

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008969.D
 Acq On : 04 Mar 2019 18:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 11:49:58 PM

Quant Time: Mar 05 06:39:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	363684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127591	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.88	113	112384	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.32	98	452157	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.62	95	176862	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	134520	50.175	ug/l	100
3) Chloromethane	2.21	50	164851	50.513	ug/l	98
4) Vinyl Chloride	2.35	62	166473	48.178	ug/l	100
5) Bromomethane	2.75	94	133943	52.190	ug/l	95
6) Chloroethane	2.91	64	120025	48.917	ug/l	97
7) Trichlorofluoromethane	3.25	101	230049	52.641	ug/l	96
8) Diethyl Ether	3.68	74	70705	51.104	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139799	52.679	ug/l	100
10) Methyl Iodide	4.27	142	145915	43.970	ug/l	98
11) Tert butyl alcohol	5.17	59	58967	263.823	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120553	51.437	ug/l	99
13) Acrolein	3.89	56	69134	289.825	ug/l	100
14) Allyl chloride	4.67	41	207742	51.358	ug/l	97
15) Acrylonitrile	5.37	53	180968	304.777	ug/l	99
16) Acetone	4.12	43	180552	310.262	ug/l	97
17) Carbon Disulfide	4.37	76	394445	50.725	ug/l	100
18) Methyl Acetate	4.67	43	87235	63.201	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	346905	54.685	ug/l	97
20) Methylene Chloride	4.92	84	158082	55.730	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	141822	52.312	ug/l	93
22) Diisopropyl ether	6.31	45	440364	54.574	ug/l	97
23) Vinyl Acetate	6.26	43	1392804	279.369	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250173	53.503	ug/l	100
25) 2-Butanone	7.17	43	241252	296.531	ug/l	99
26) 2,2-Dichloropropane	7.17	77	219116	51.616	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	154710	53.348	ug/l	97
28) Bromochloromethane	7.51	49	101515	51.881	ug/l	100
29) Tetrahydrofuran	7.52	42	158090	304.915	ug/l	99
30) Chloroform	7.67	83	262579	54.739	ug/l	99
31) Cyclohexane	7.95	56	229861	48.565	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	235054	53.883	ug/l	99
36) 1,1-Dichloropropene	8.08	75	198894	55.331	ug/l	99
37) Ethyl Acetate	7.25	43	106088	63.465	ug/l	99
38) Carbon Tetrachloride	8.07	117	210801	55.607	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	248038	55.320	ug/l	98
40) Benzene	8.32	78	564271	57.494	ug/l	99
41) Methacrylonitrile	7.49	41	60607	61.682	ug/l	94
42) 1,2-Dichloroethane	8.40	62	182808	58.799	ug/l	100
43) Isopropyl Acetate	8.42	43	203881	61.112	ug/l	98
44) Trichloroethene	9.09	130	153339	55.461	ug/l	95
45) 1,2-Dichloropropane	9.37	63	138964	57.298	ug/l	96
46) Dibromomethane	9.46	93	81045	60.076	ug/l	96
47) Bromodichloromethane	9.65	83	190056	57.904	ug/l	98
48) Methyl methacrylate	9.43	41	97306	60.899	ug/l	98
49) 1,4-Dioxane	9.45	88	26965	1248.167	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	570240	336.670	ug/l	100
52) Toluene	10.39	92	391369	58.757	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	196649	58.781	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	219622	57.559	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108562	59.339	ug/l	96
56) Ethyl methacrylate	10.65	69	154244	64.892	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193314	59.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	348787	291.759	ug/l	99
59) 2-Hexanone	10.97	43	415902	344.948	ug/l	99
60) Dibromochloromethane	11.13	129	133889	59.999	ug/l	99
61) 1,2-Dibromoethane	11.24	107	108495	59.911	ug/l	100
64) Tetrachloroethene	10.86	164	145608	55.932	ug/l	99
65) Chlorobenzene	11.66	112	434711	56.846	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	143680	55.567	ug/l	98
67) Ethyl Benzene	11.73	91	784236	57.367	ug/l	98
68) m/p-Xylenes	11.84	106	621059	113.703	ug/l	100
69) o-Xylene	12.17	106	289492	56.466	ug/l	98
70) Styrene	12.18	104	479163	58.093	ug/l	99
71) Bromoform	12.35	173	84014	60.446	ug/l #	99
73) Isopropylbenzene	12.47	105	795707	56.480	ug/l	99
74) N-amyl acetate	12.27	43	226519	63.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	140403	60.993	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	99372m	58.567	ug/l	
77) Bromobenzene	12.75	156	190426	57.199	ug/l	98
78) n-propylbenzene	12.80	91	987922	57.327	ug/l	100
79) 2-Chlorotoluene	12.90	91	551560	56.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	690745	56.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42207	60.475	ug/l	95
82) 4-Chlorotoluene	12.99	91	583954	56.636	ug/l	99
83) tert-Butylbenzene	13.21	119	585741	55.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	705696	55.683	ug/l	100
85) sec-Butylbenzene	13.38	105	865253	56.844	ug/l	99
86) p-Isopropyltoluene	13.50	119	784796	56.241	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	383900	55.579	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380375	55.874	ug/l	100
89) n-Butylbenzene	13.83	91	738975	56.527	ug/l	99
90) Hexachloroethane	14.10	117	134101	58.704	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	348691	56.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28166	67.640	ug/l	93

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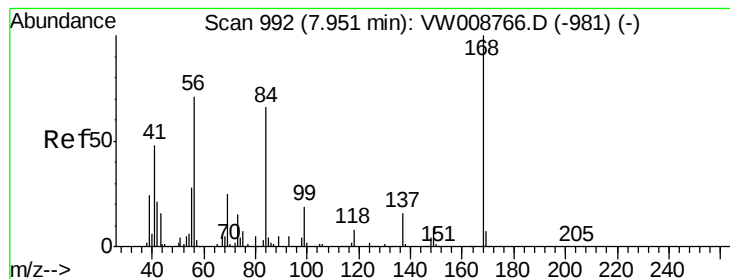
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	246300	55.542	ug/l	99
94) Hexachlorobutadiene	15.24	225	153856	58.903	ug/l	99
95) Naphthalene	15.37	128	442853	58.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	216533	56.475	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 267679

Ion Ratio Lower Upper

168 100

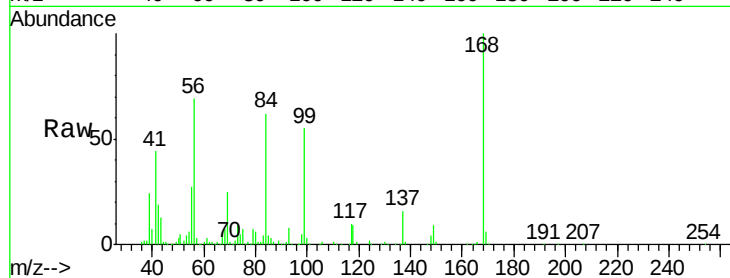
99 55.3 42.2 63.2

Manual Integrations

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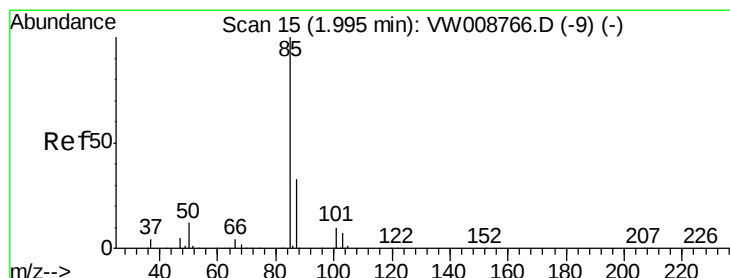
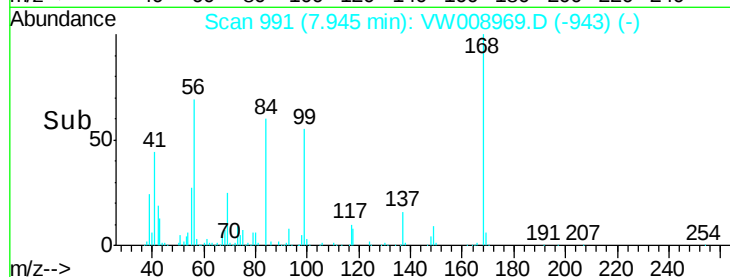
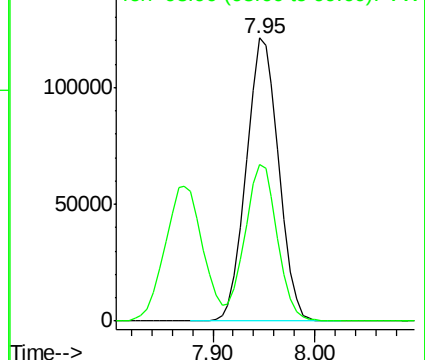
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.175 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008969.D

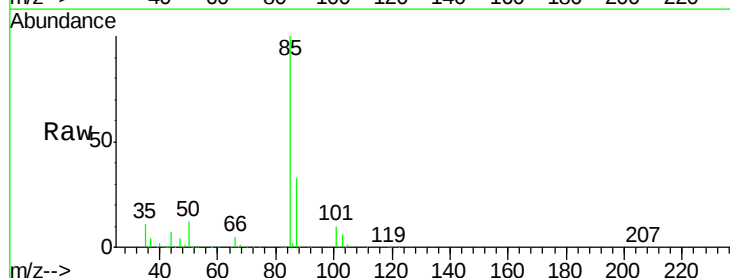
Acq: 04 Mar 2019 18:22

Tgt Ion: 85 Resp: 134520

Ion Ratio Lower Upper

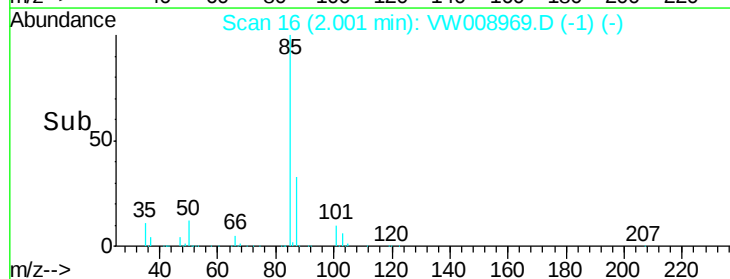
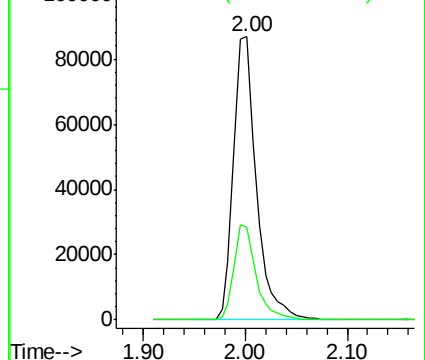
85 100

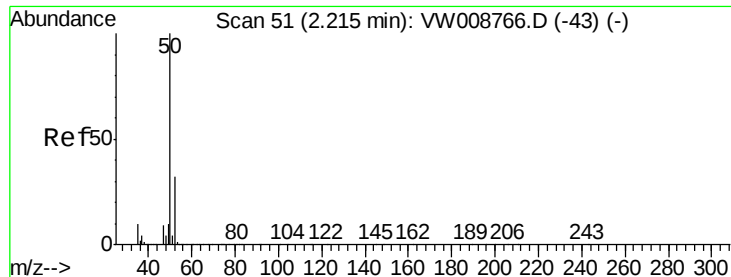
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.513 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 164851

Ion Ratio Lower Upper

50 100

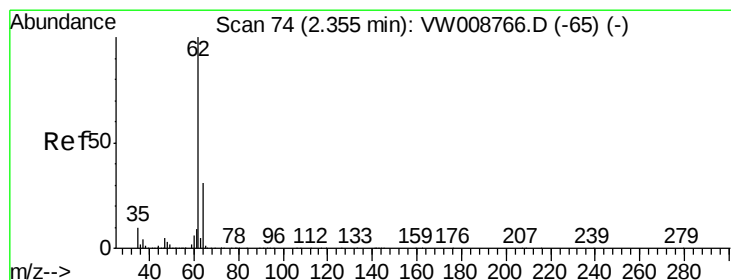
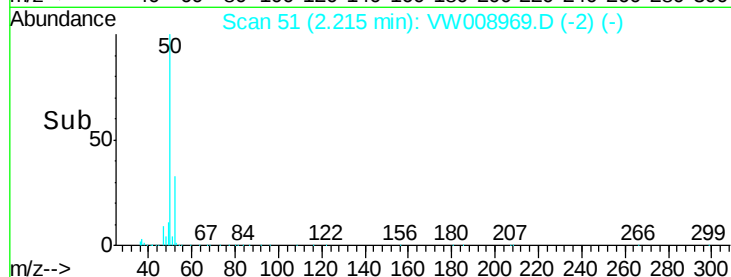
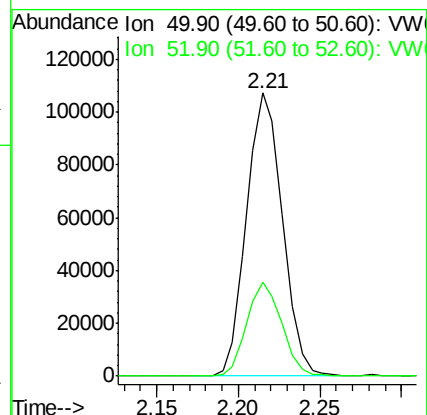
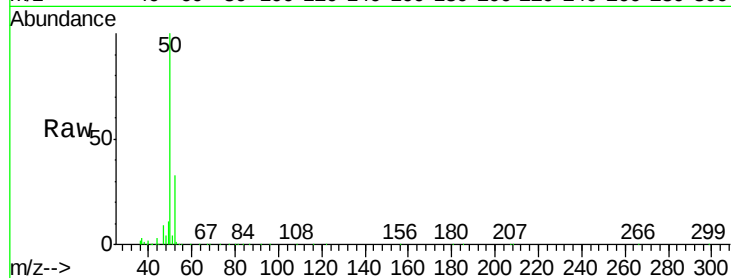
52 33.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 48.178 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008969.D

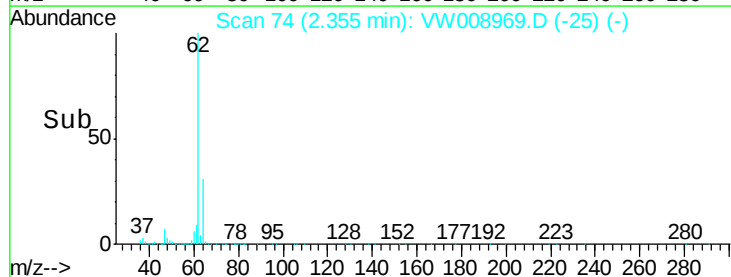
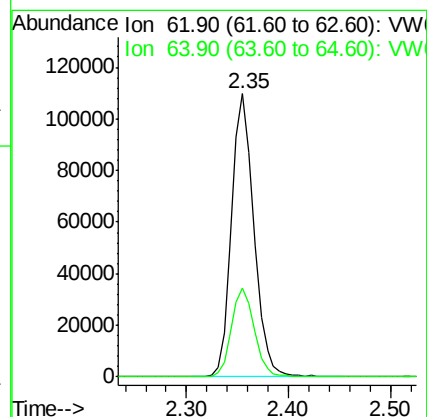
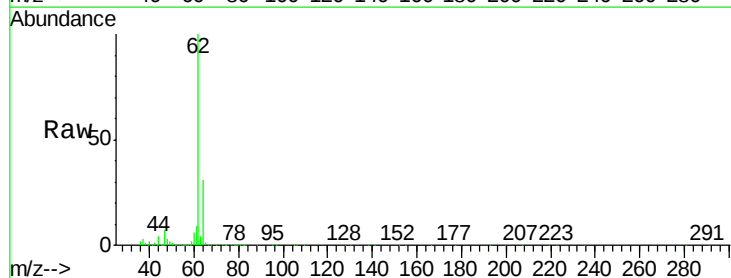
Acq: 04 Mar 2019 18:22

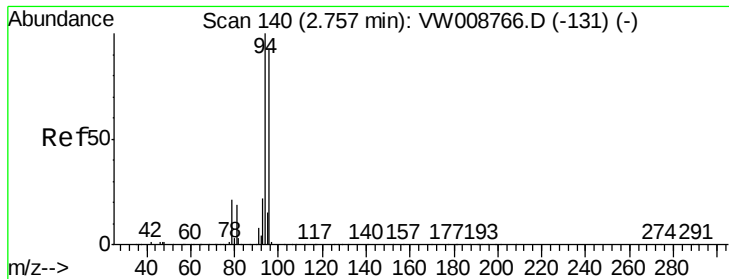
Tgt Ion: 62 Resp: 166473

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 52.190 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 133943

Ion Ratio Lower Upper

94 100

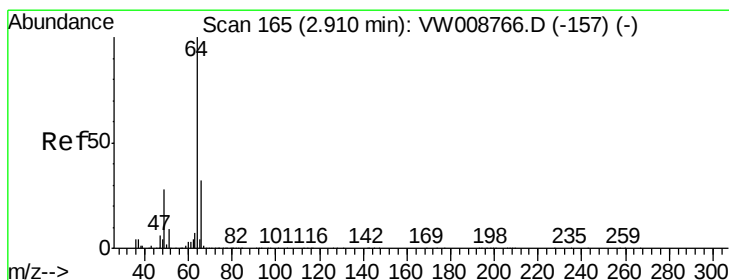
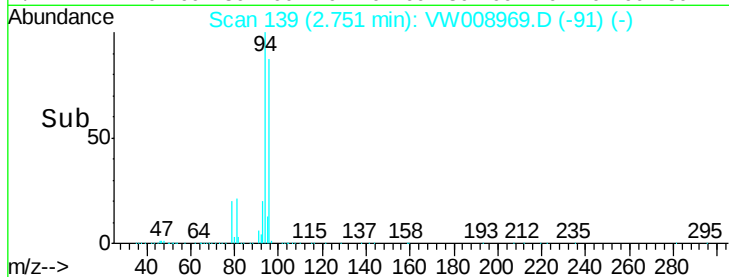
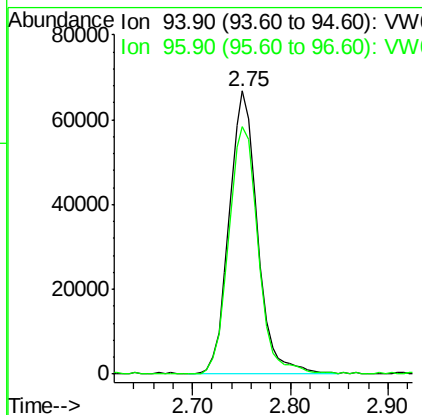
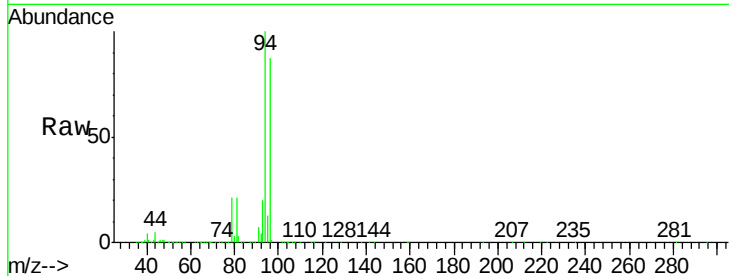
96 87.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 48.917 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008969.D

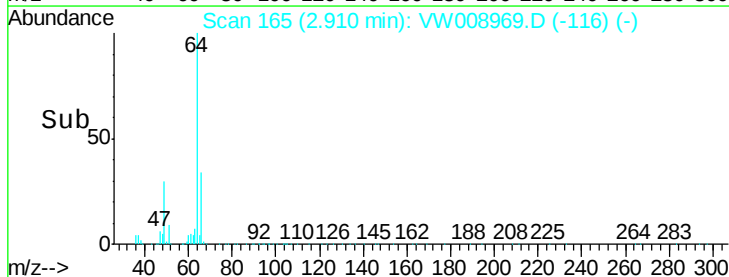
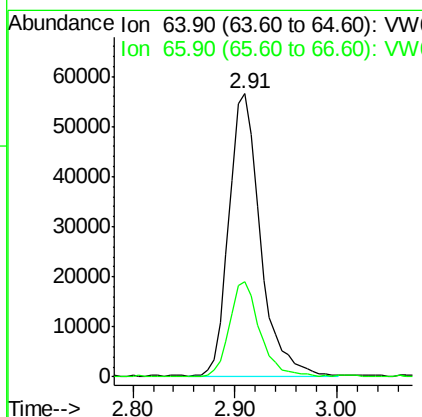
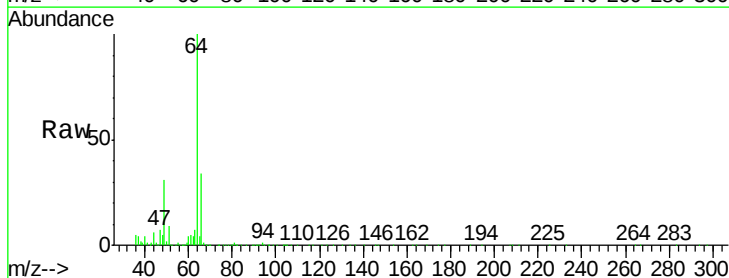
Acq: 04 Mar 2019 18:22

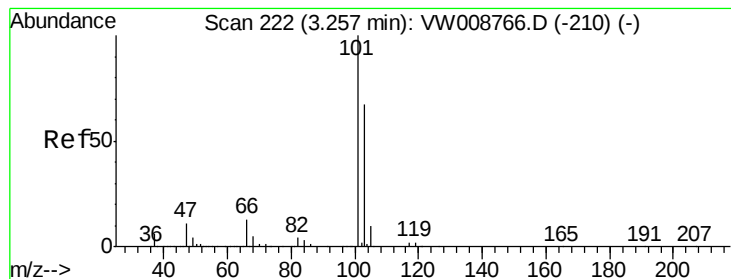
Tgt Ion: 64 Resp: 120025

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3





#7

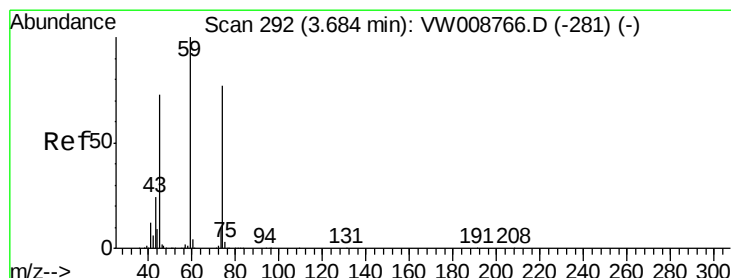
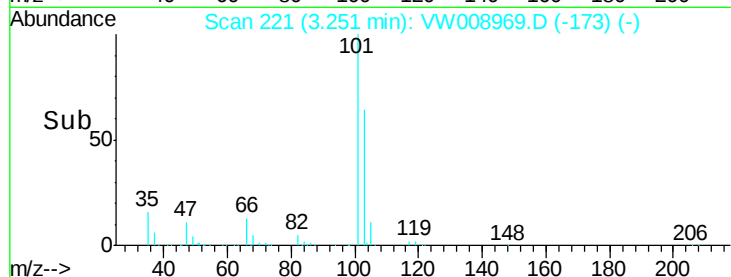
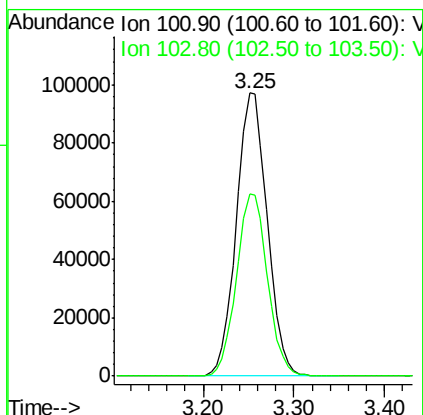
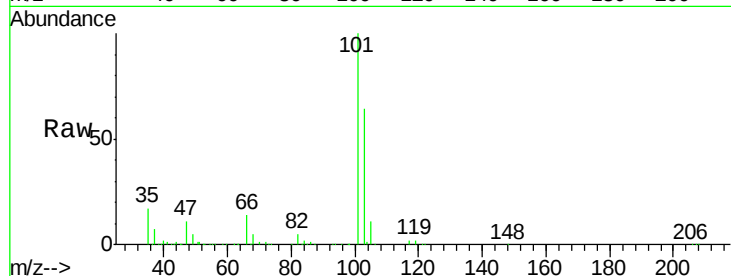
Trichlorofluoromethane
 Concen: 52.641 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.9	80.9

Manual Integrations
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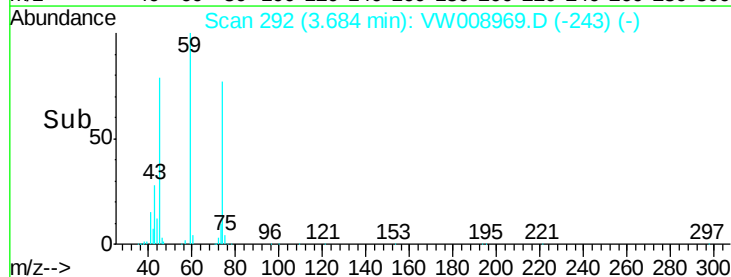
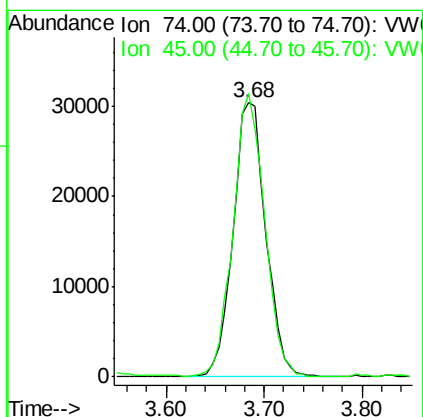
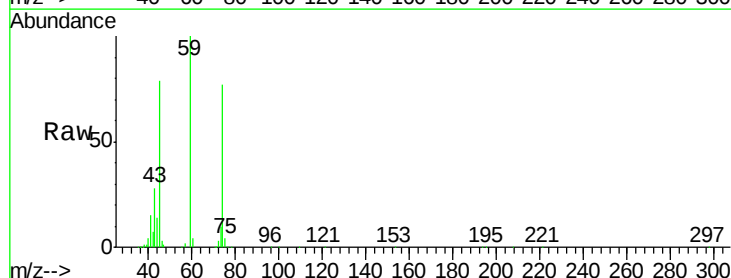
MMDadoda
 3/5/2019 11:49:58 PM



#8

Diethyl Ether
 Concen: 51.104 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.679 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

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MSVOA_W

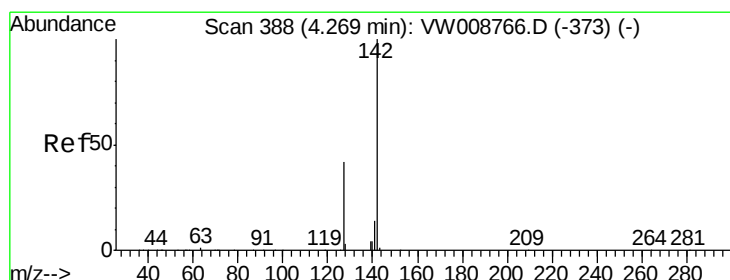
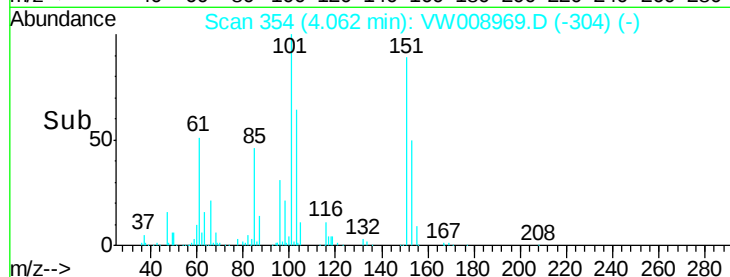
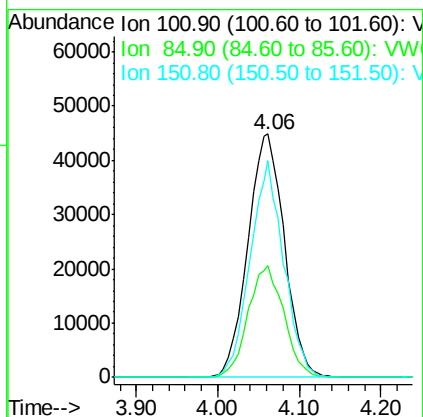
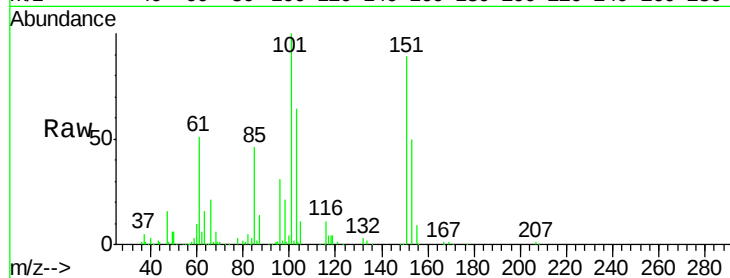
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	139799
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	81.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 43.970 ug/l

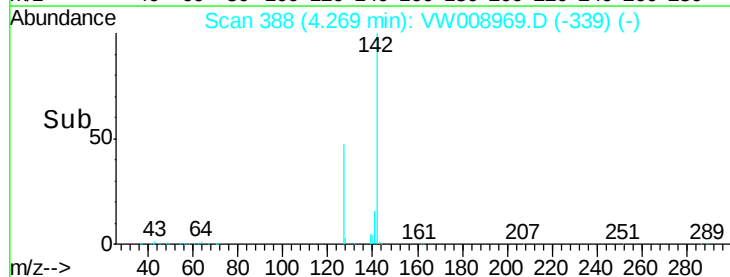
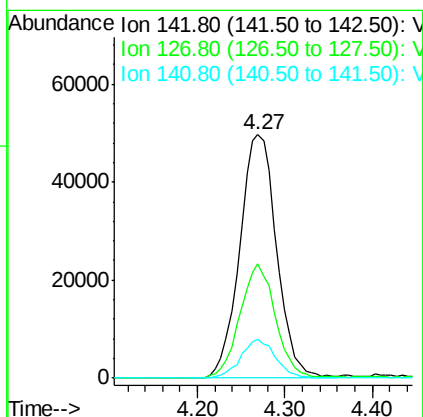
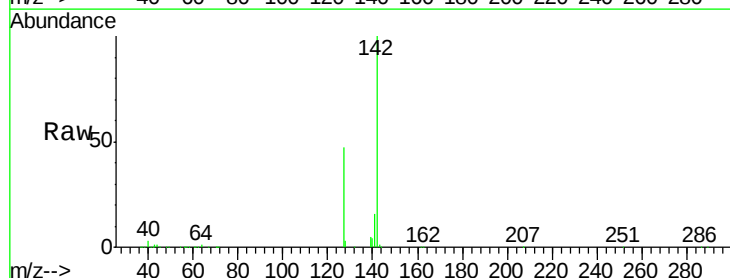
RT: 4.27 min Scan# 388

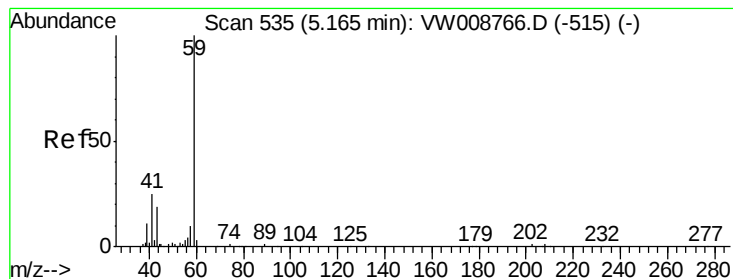
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	142	Resp:	145915
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.3	52.9
141	15.2	11.7	17.5





#11

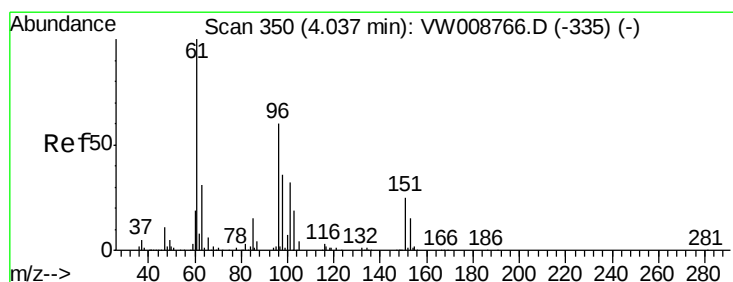
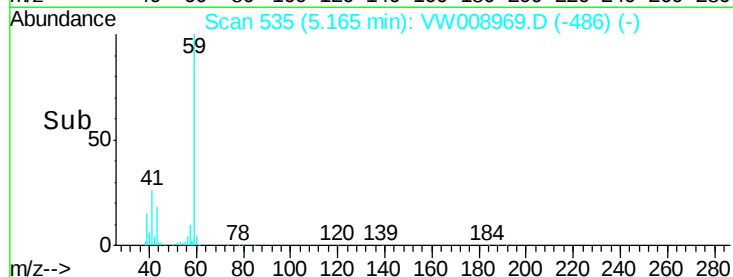
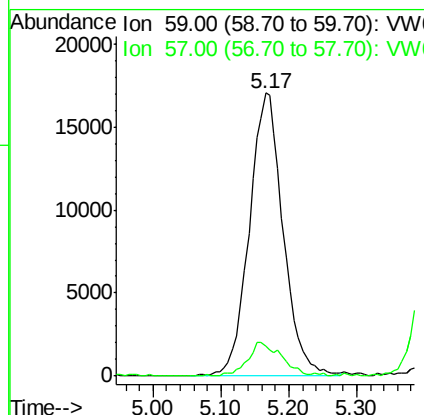
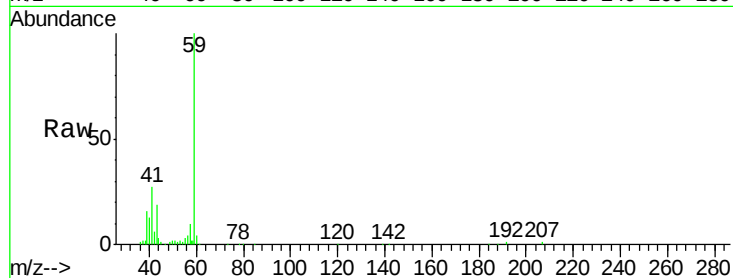
Tert butyl alcohol
Concen: 263.823 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.3	13.9

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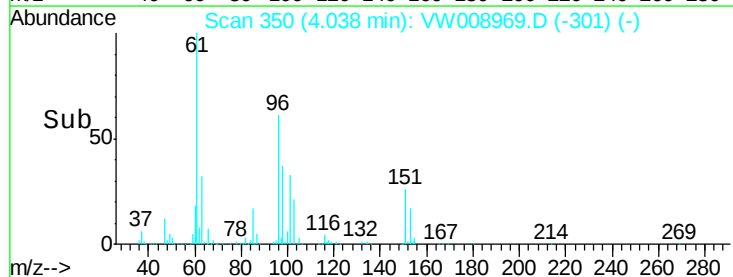
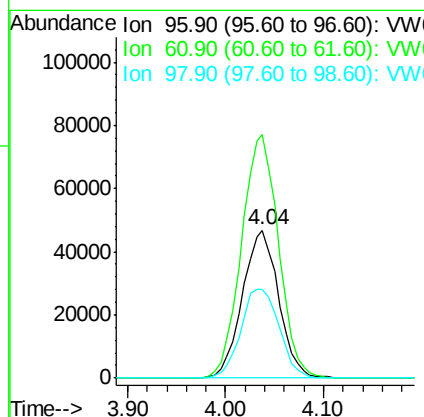
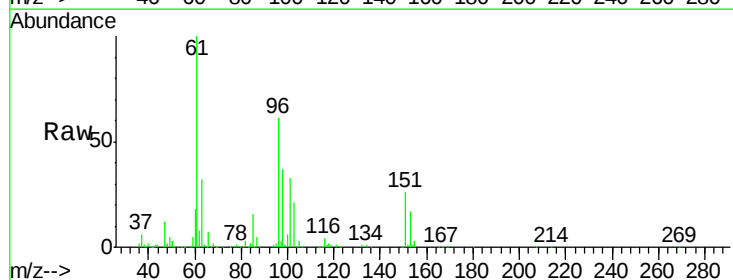
MMDadoda
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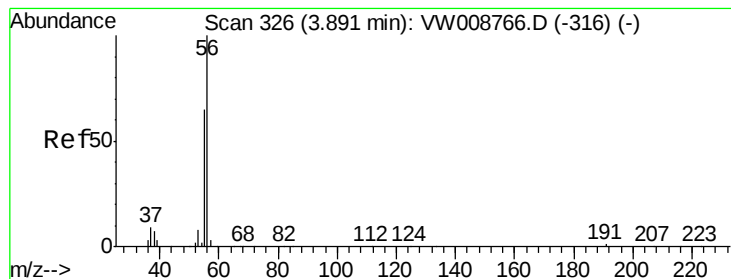


#12

1,1-Dichloroethene
Concen: 51.437 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	132.5	198.7
98	60.2	48.2	72.4





#13

Acrolein

Concen: 289.825 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69134

Ion Ratio Lower Upper

56 100

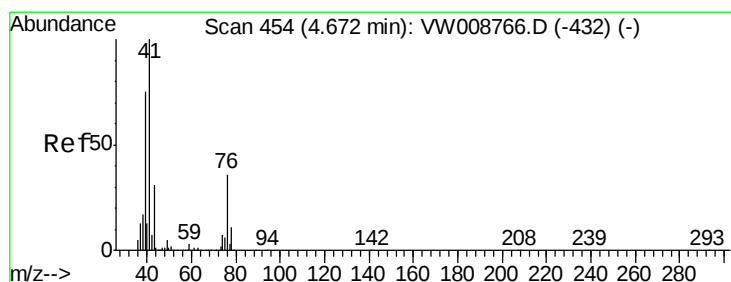
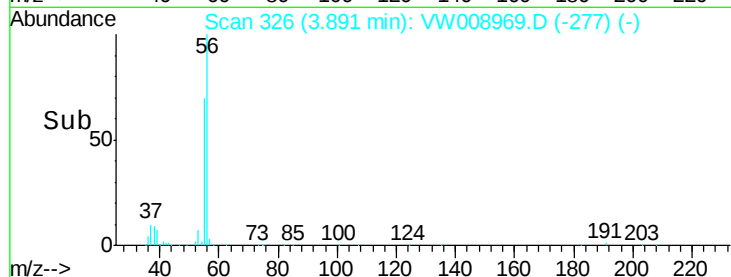
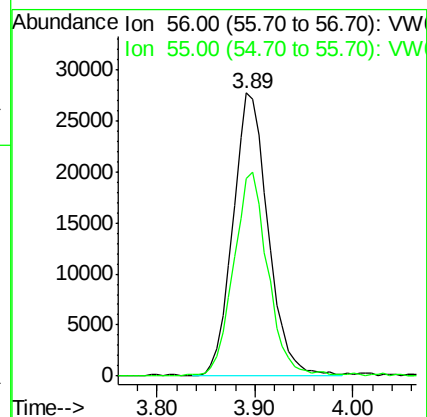
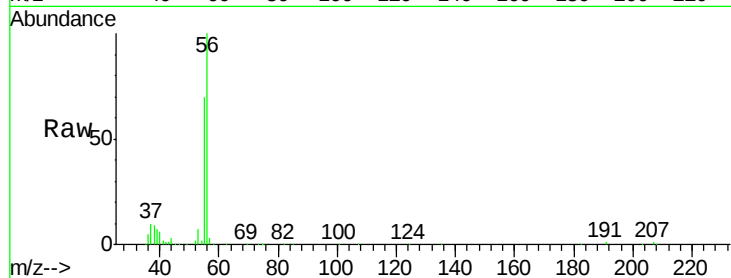
55 70.9 56.9 85.3

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#14

Allyl chloride

Concen: 51.358 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

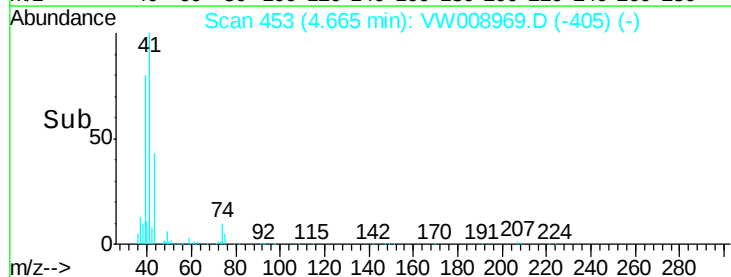
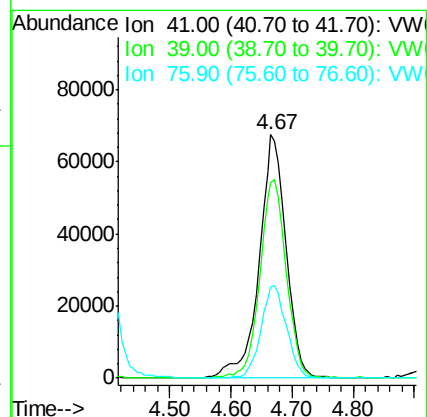
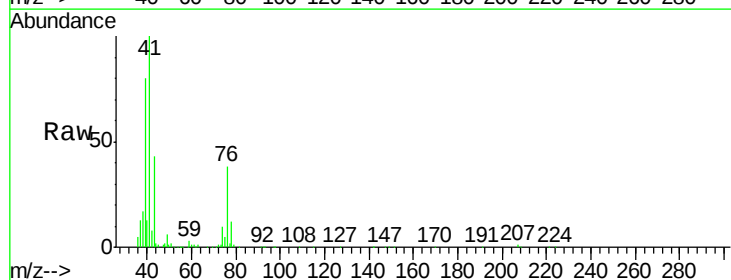
Tgt Ion: 41 Resp: 207742

Ion Ratio Lower Upper

41 100

39 79.2 60.6 91.0

76 36.1 28.6 42.8





#15

Acrylonitrile

Concen: 304.777 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

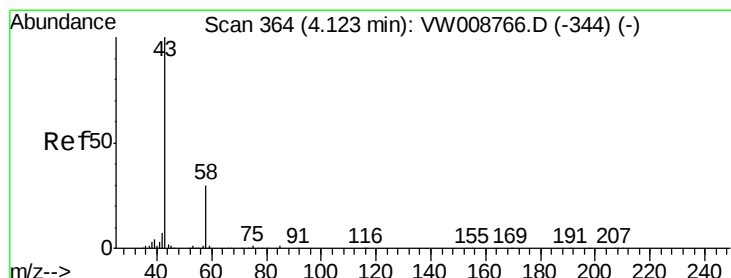
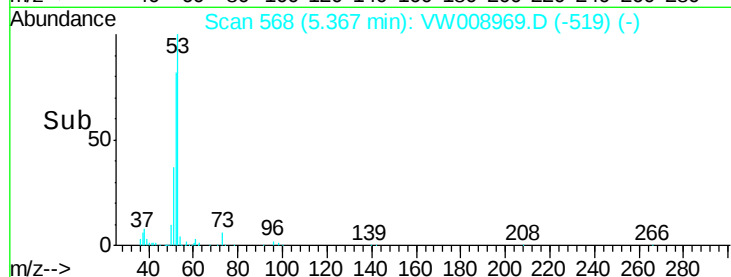
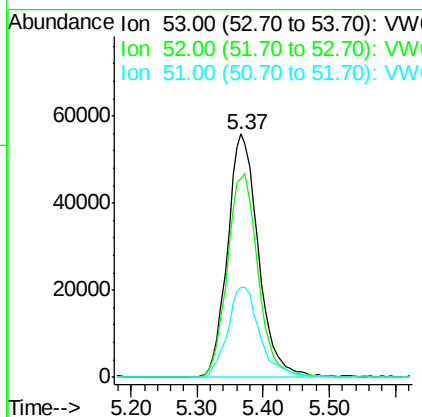
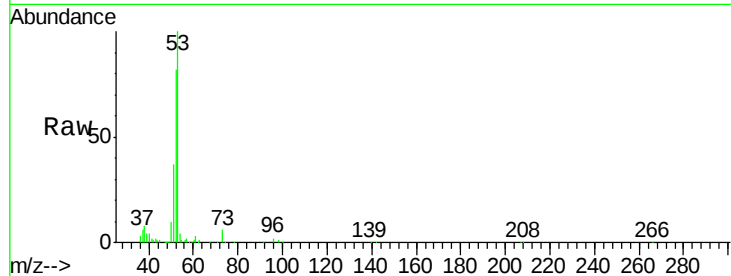
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	180968
Ion Ratio		Lower	Upper
53	100		
52	82.7	67.2	100.8
51	38.8	31.1	46.7

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#16

Acetone

Concen: 310.262 ug/l

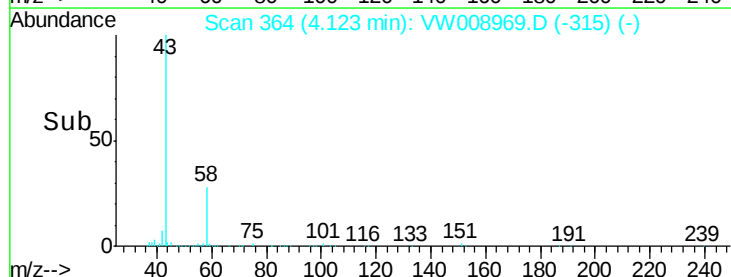
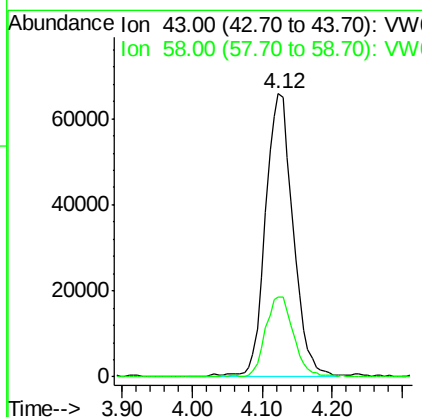
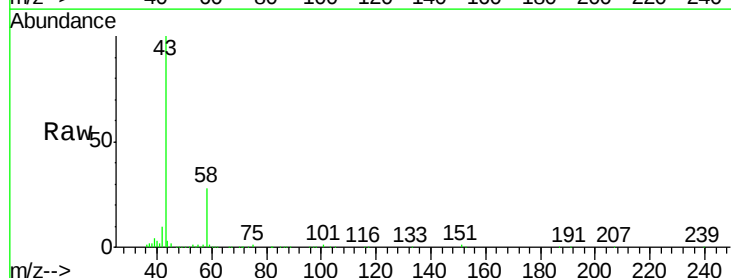
RT: 4.12 min Scan# 364

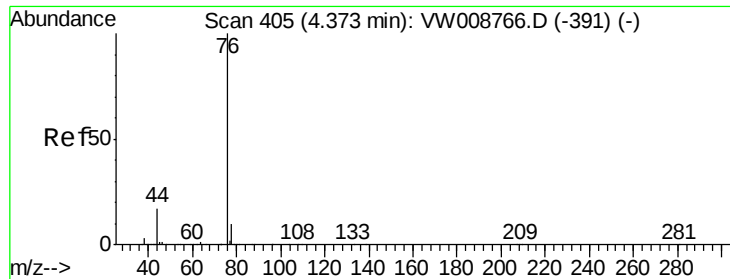
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	43	Resp:	180552
Ion Ratio		Lower	Upper
43	100		
58	28.2	23.8	35.6





#17

Carbon Disulfide

Concen: 50.725 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 394445

Ion Ratio Lower Upper

76 100

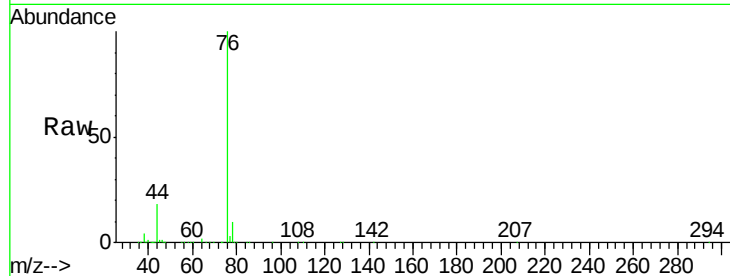
78 10.0 7.8 11.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

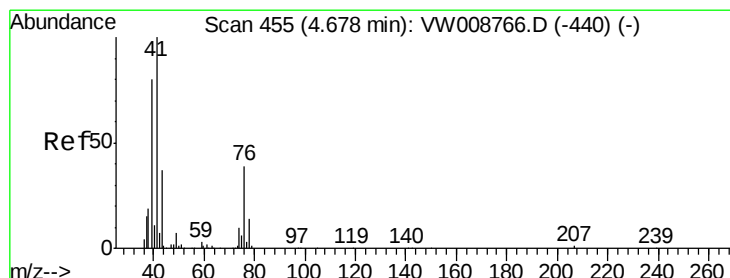
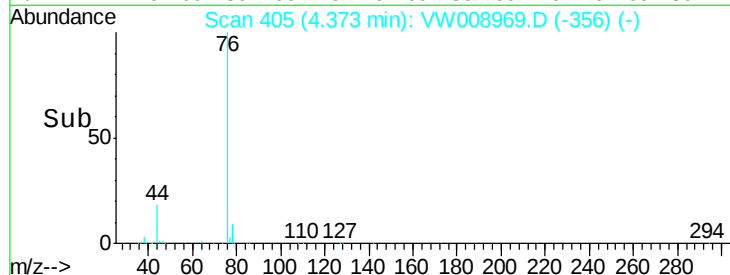
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 63.201 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008969.D

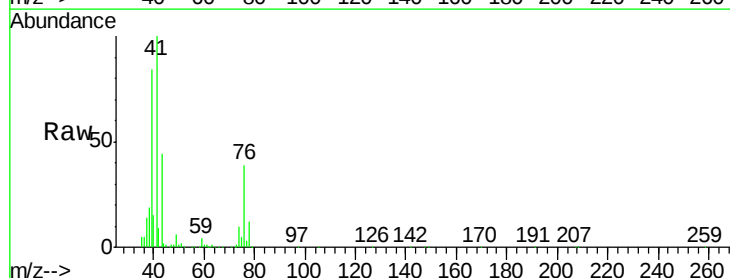
Acq: 04 Mar 2019 18:22

Tgt Ion: 43 Resp: 87235

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

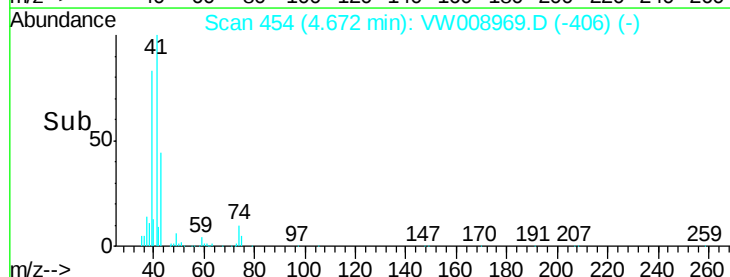
20000

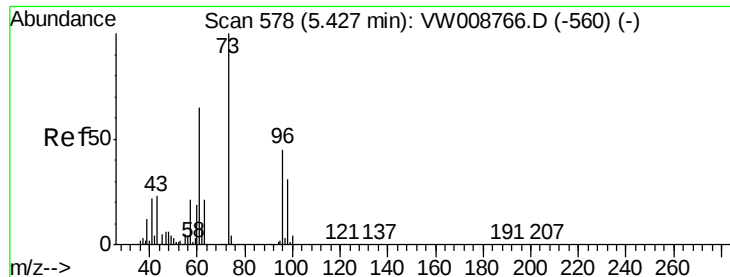
10000

0

4.50 4.60 4.70 4.80

Time-->





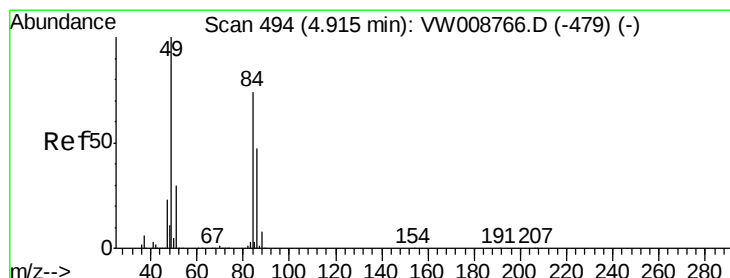
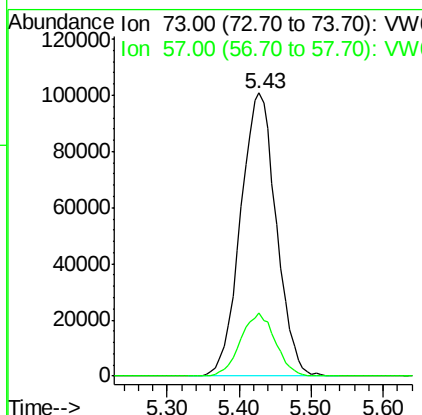
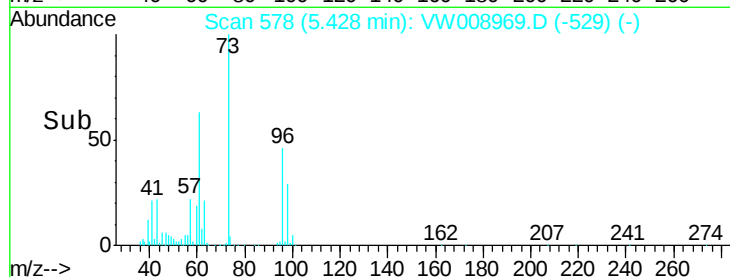
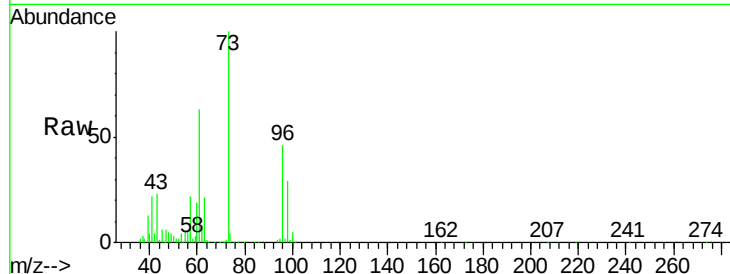
#19
Methyl tert-butyl Ether
Concen: 54.685 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 346905
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2

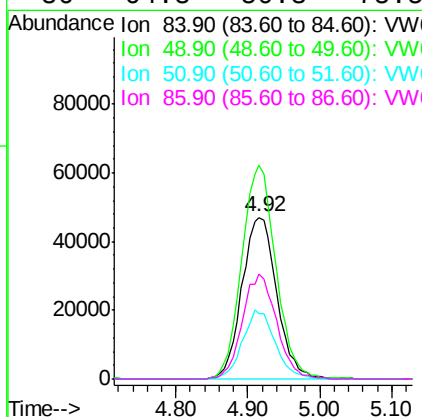
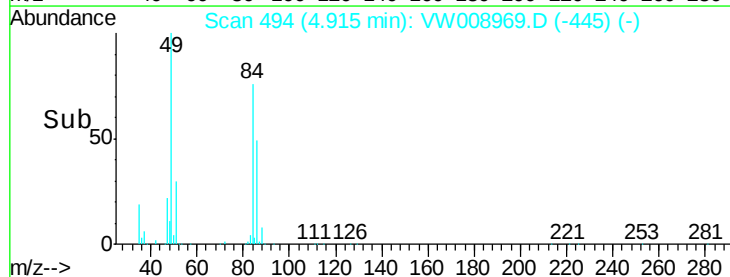
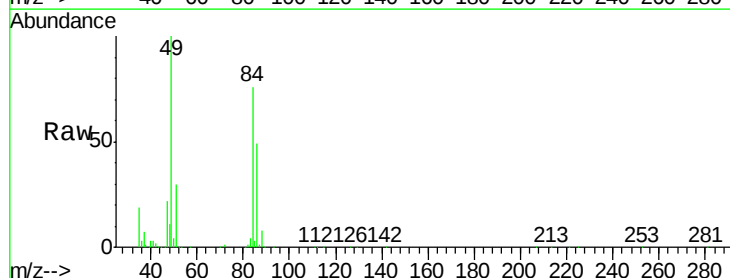
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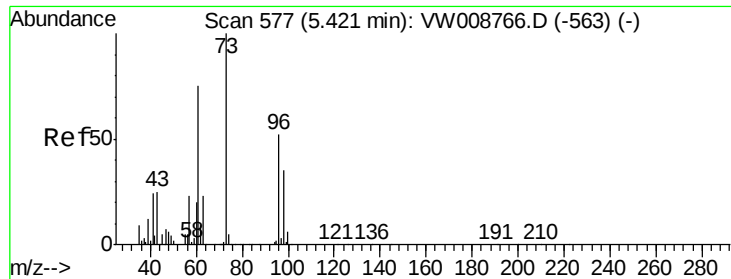
MMDadoda
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#20
Methylene Chloride
Concen: 55.730 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 84 Resp: 158082
Ion Ratio Lower Upper
84 100
49 132.0 108.2 162.2
51 40.1 32.7 49.1
86 64.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 52.312 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

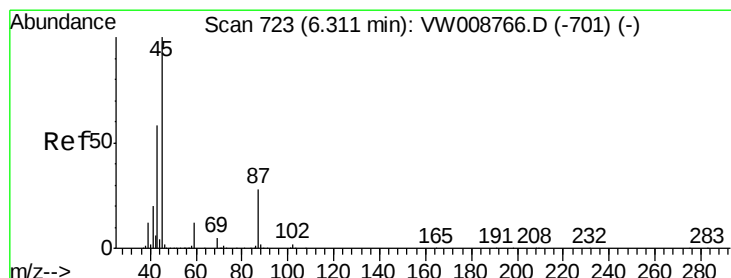
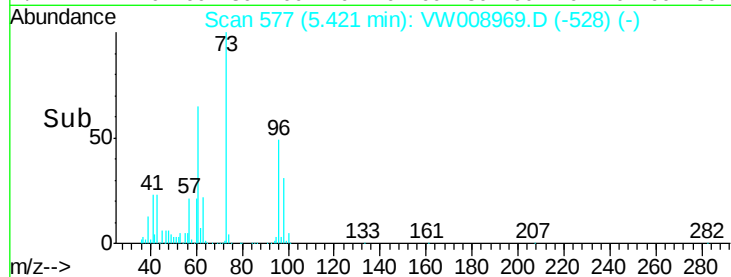
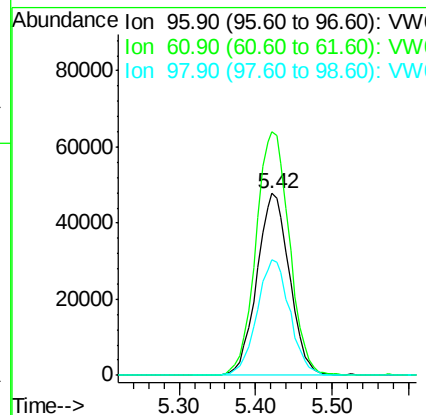
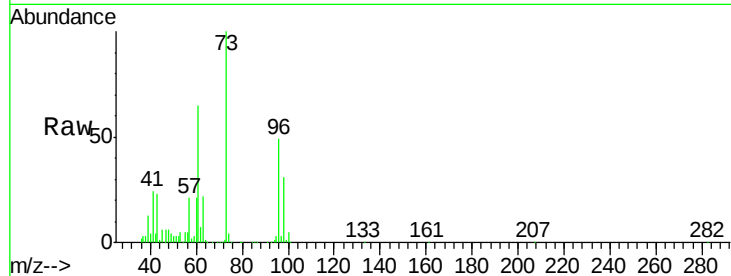
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	141822
Ion	Ratio	Lower	Upper
96	100		
61	133.9	114.6	171.8
98	63.8	54.0	81.0

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#22

Diisopropyl ether

Concen: 54.574 ug/l

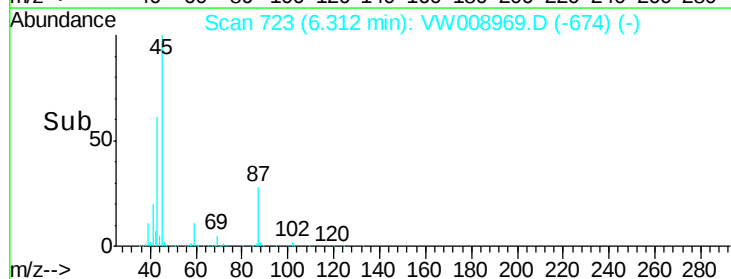
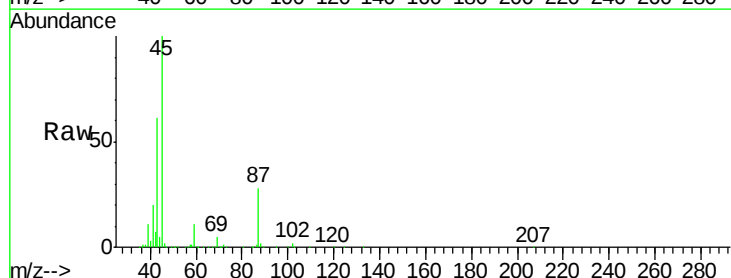
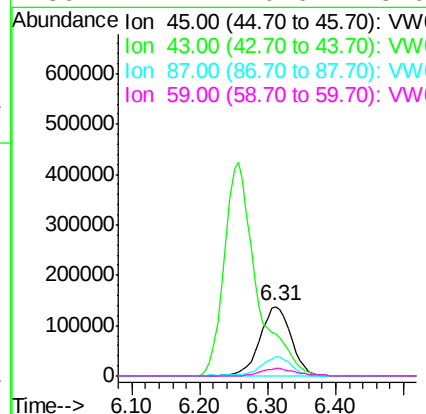
RT: 6.31 min Scan# 723

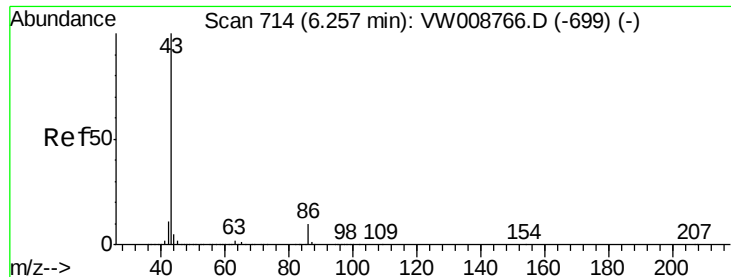
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	45	Resp:	440364
Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.1	69.1
87	28.1	22.2	33.4
59	11.1	10.0	15.0





#23

Vinyl Acetate

Concen: 279.369 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1392804

Ion Ratio Lower Upper

43 100

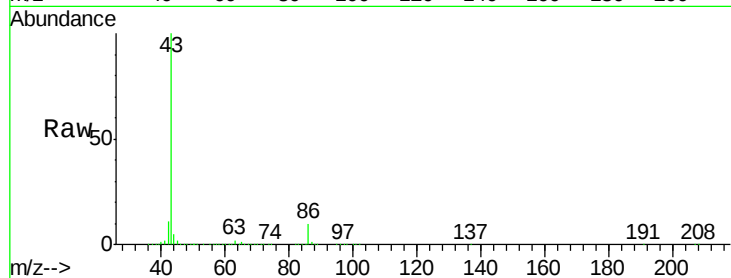
86 9.8 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

500000

400000

300000

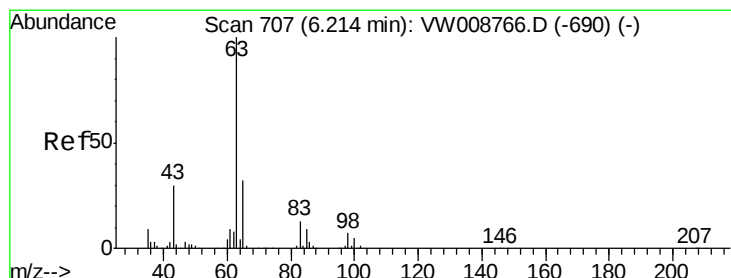
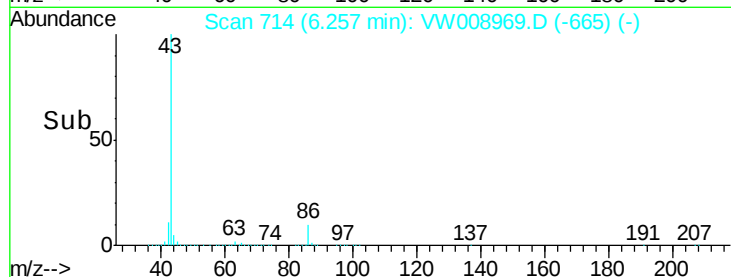
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 53.503 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

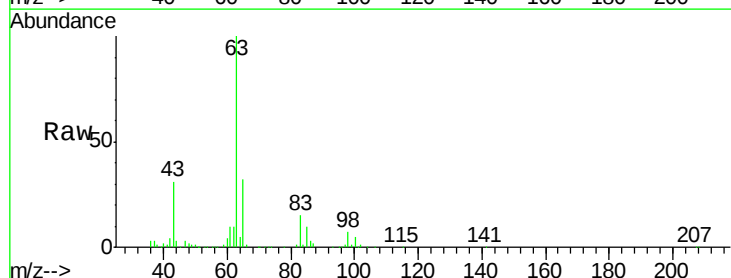
Tgt Ion: 63 Resp: 250173

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

60000

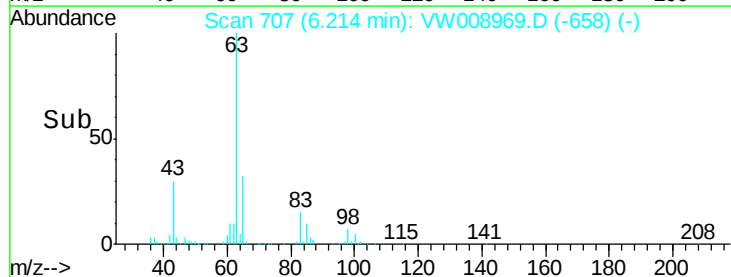
40000

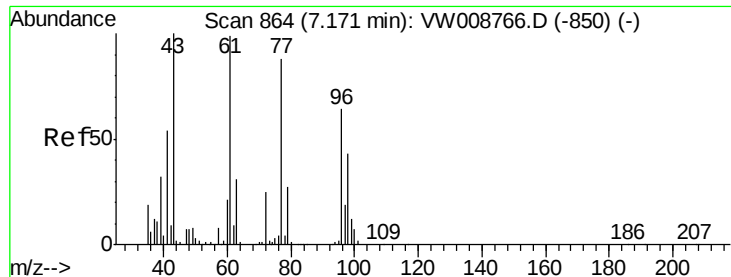
20000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 296.531 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 241252

Ion Ratio Lower Upper

43 100

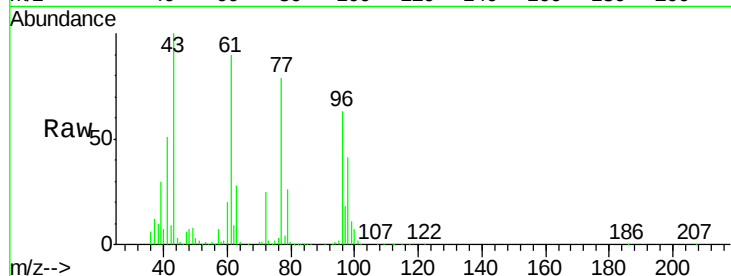
72 24.9 19.7 29.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

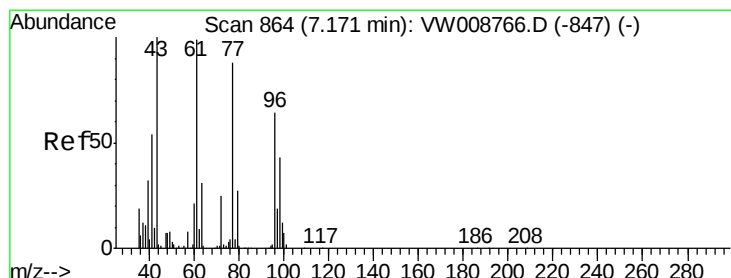
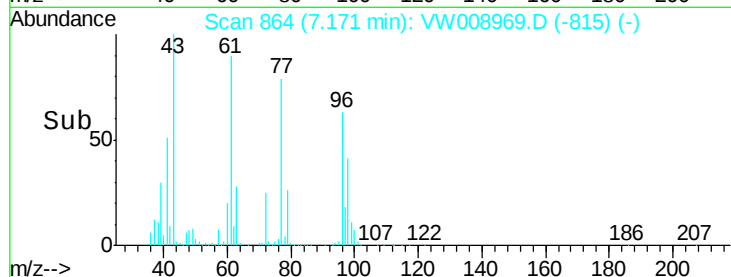
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 51.616 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008969.D

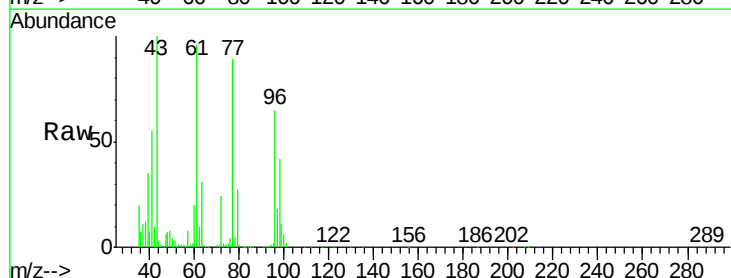
Acq: 04 Mar 2019 18:22

Tgt Ion: 77 Resp: 219116

Ion Ratio Lower Upper

77 100

97 22.6 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

80000

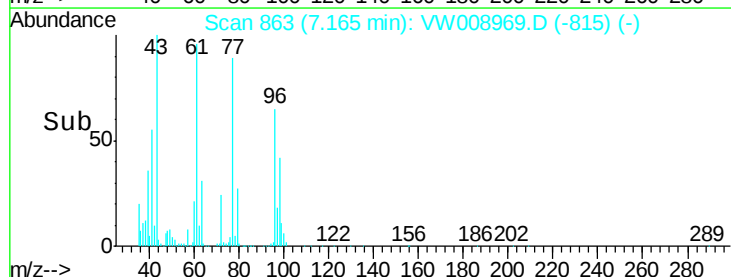
60000

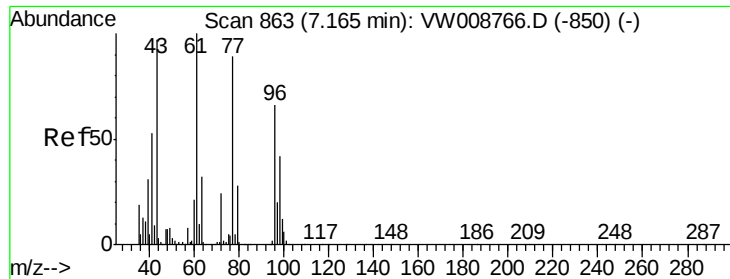
40000

20000

0

Time--> 7.00 7.10 7.20 7.30





#27

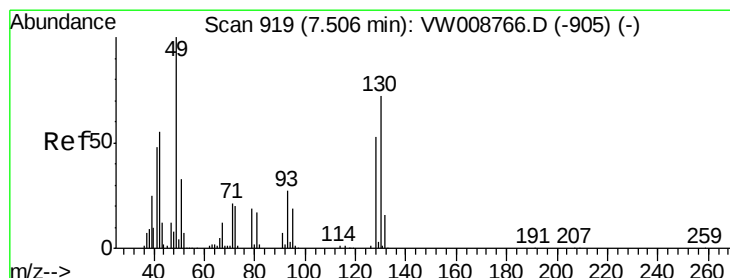
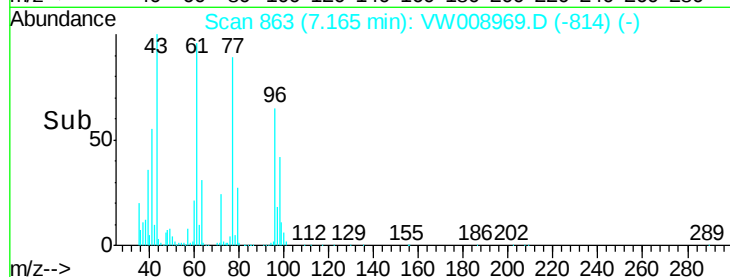
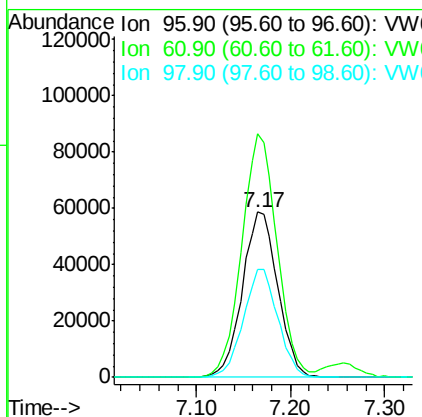
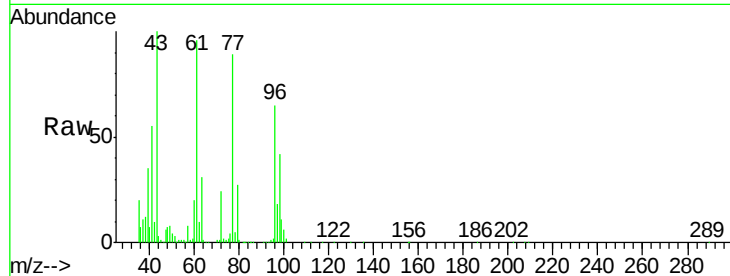
cis-1,2-Dichloroethene
 Concen: 53.348 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154710		
61	146.7		0.0	302.6
98	63.9		0.0	130.0

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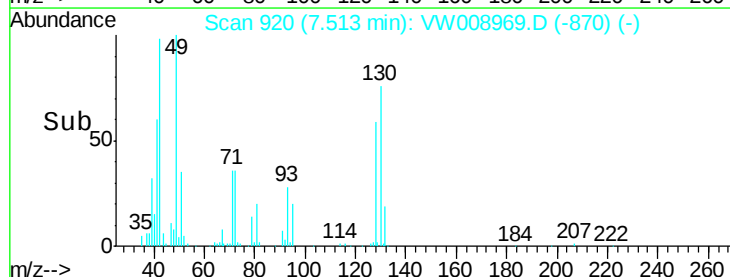
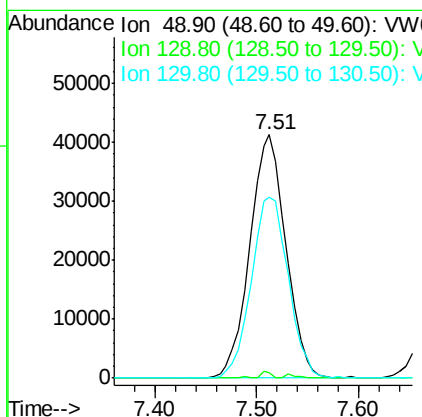
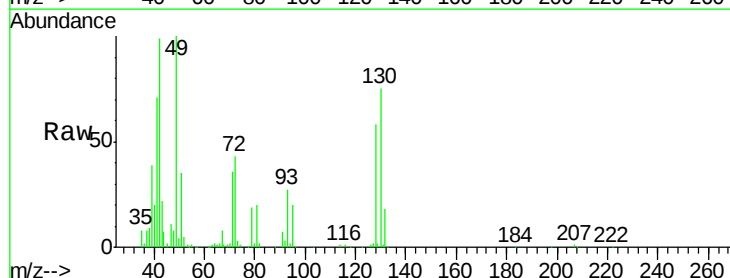
MMDadoda
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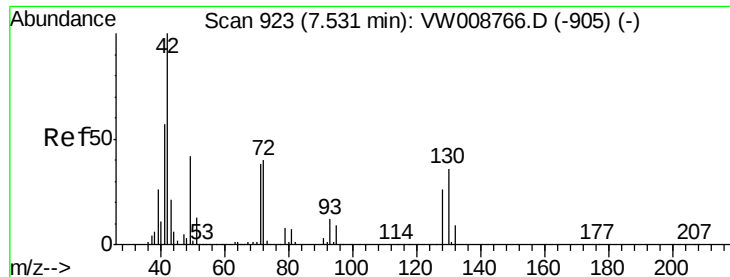


#28

Bromochloromethane
 Concen: 51.881 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101515		
129	1.0		0.0	2.6
130	76.5		61.3	91.9





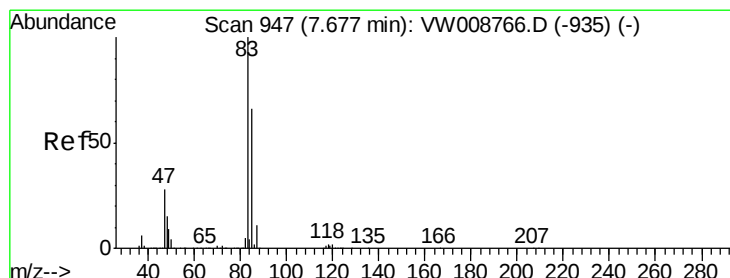
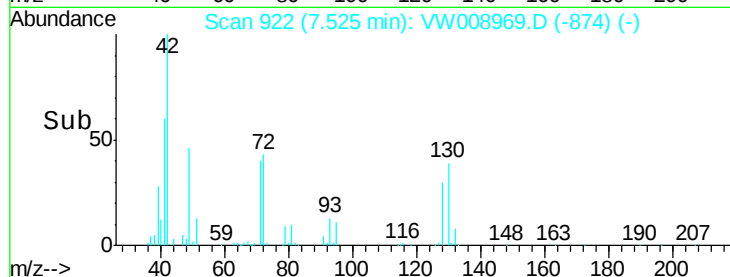
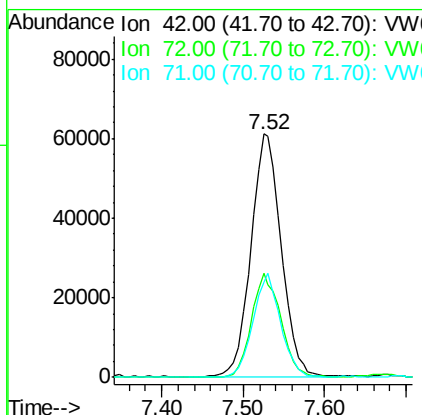
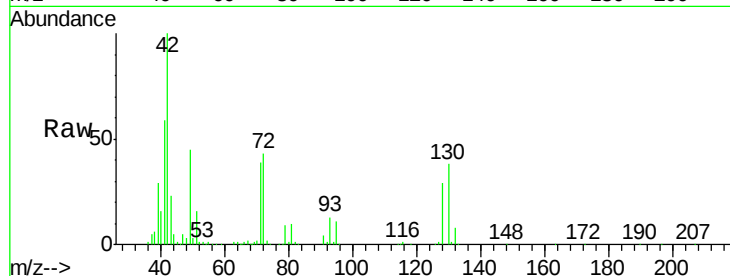
#29
Tetrahydrofuran
Concen: 304.915 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.7	49.1
71	39.4	31.3	46.9

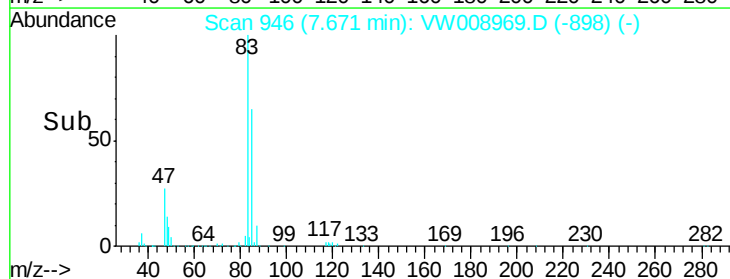
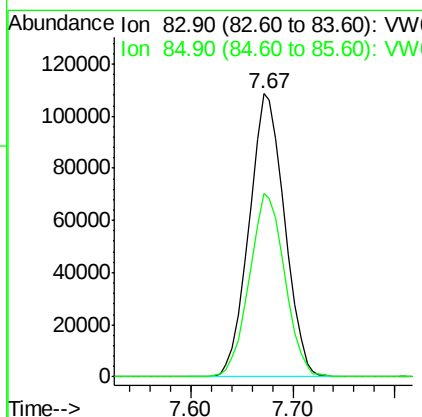
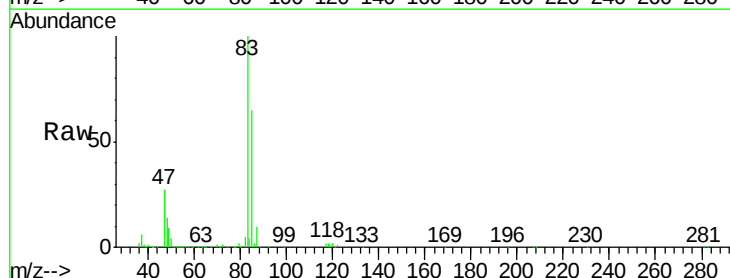
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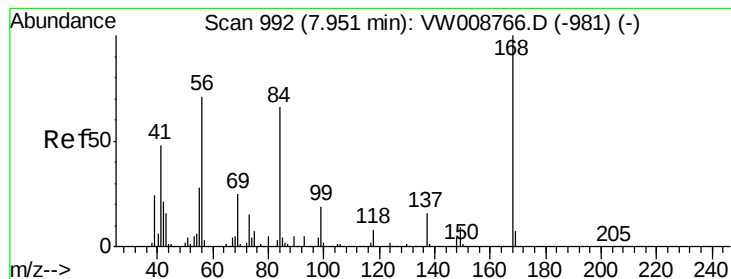
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#30
Chloroform
Concen: 54.739 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	79.0





#31

Cyclohexane

Concen: 48.565 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

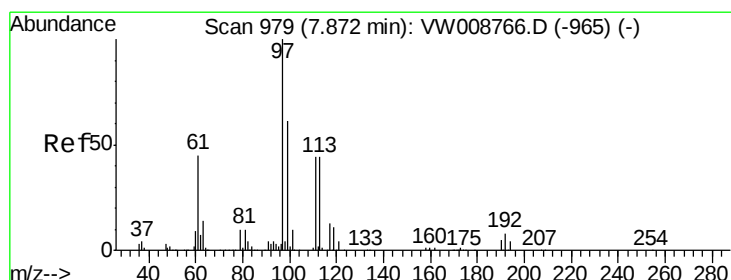
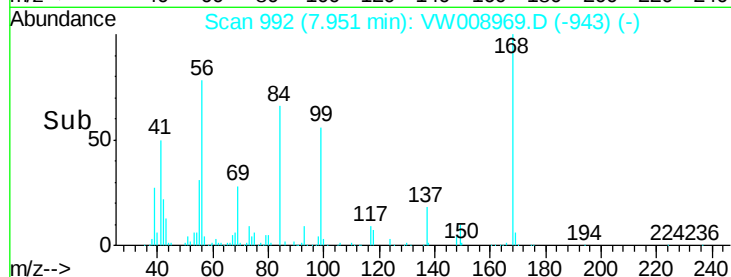
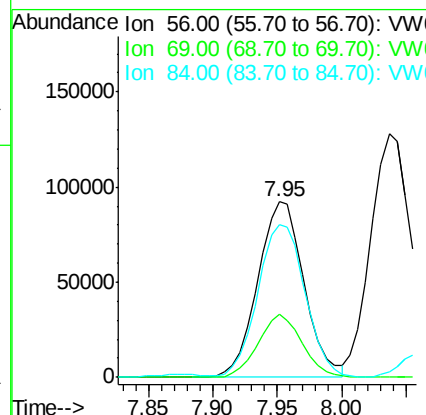
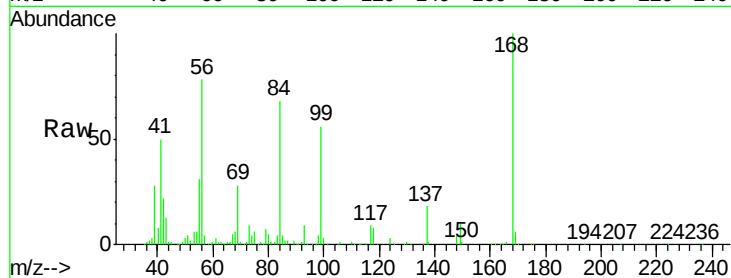
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	229861
Ion Ratio	Lower	Upper	
56	100		
69	35.5	28.2	42.4
84	86.1	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.883 ug/l

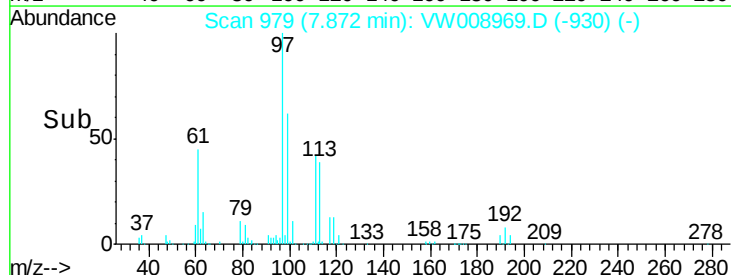
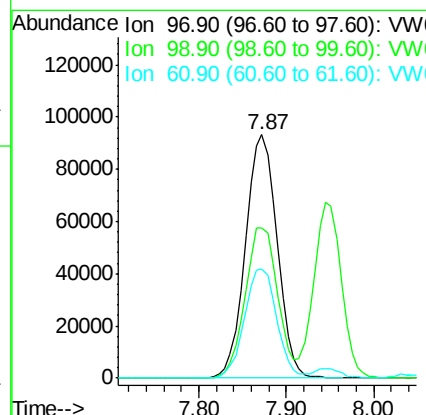
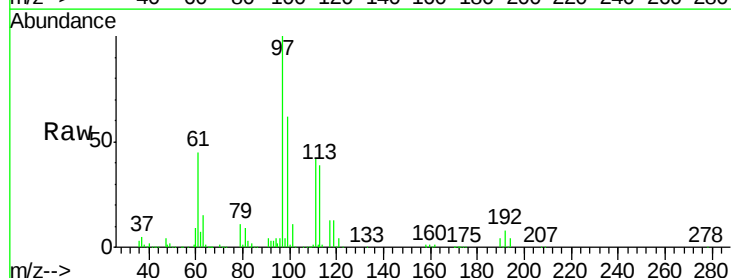
RT: 7.87 min Scan# 979

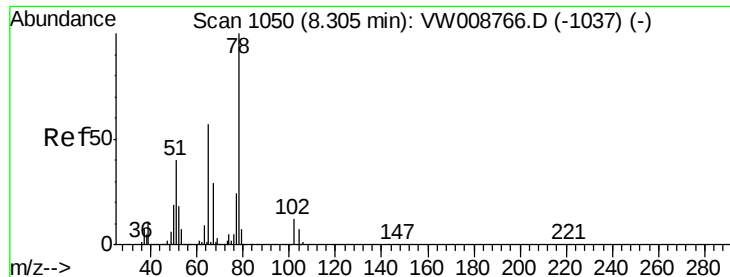
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	97	Resp:	235054
Ion Ratio	Lower	Upper	
97	100		
99	63.3	50.8	76.2
61	45.9	36.0	54.0





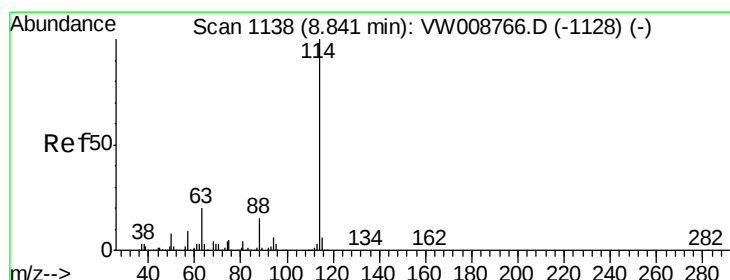
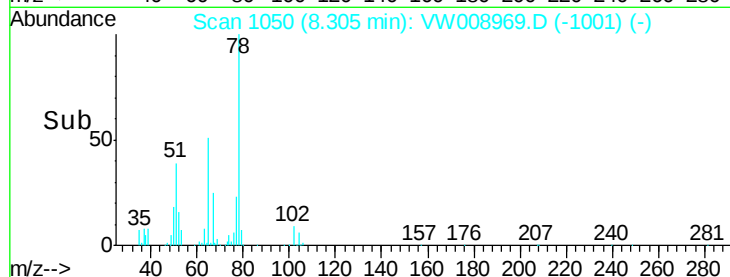
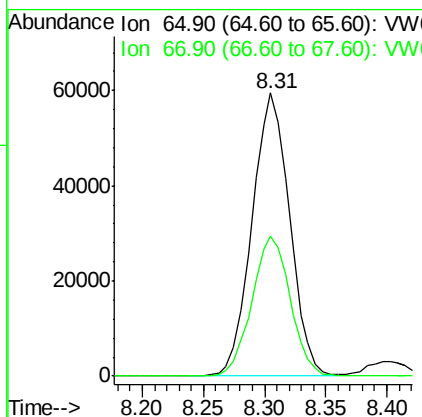
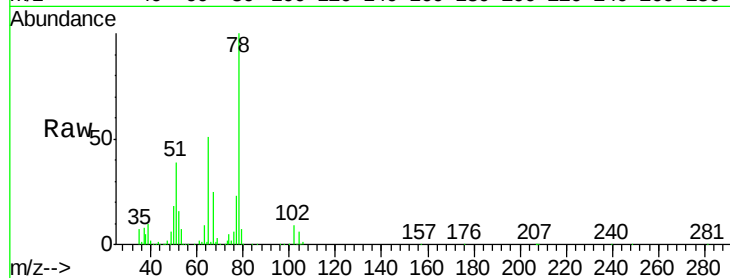
#33
 1,2-Dichloroethane-d4
 Concen: 50.821 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127591		
67	50.3	0.0	101.4	

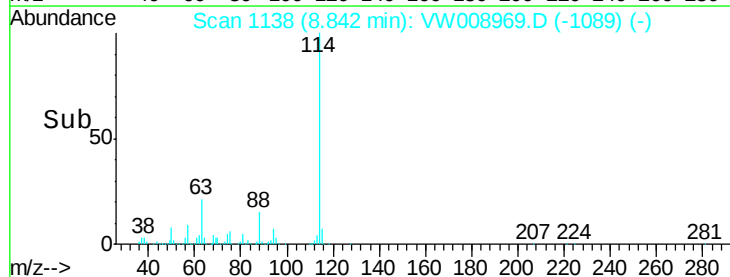
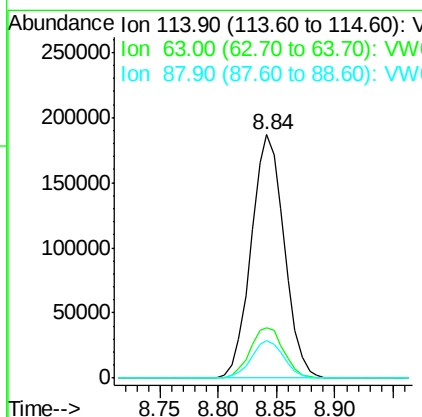
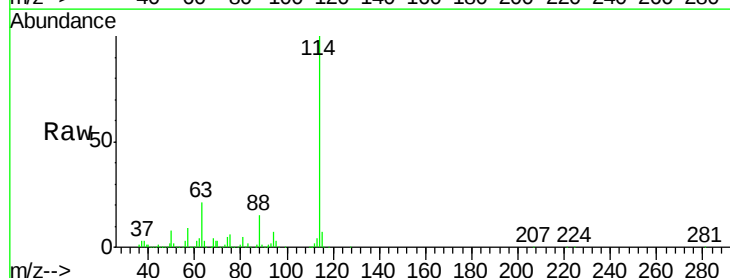
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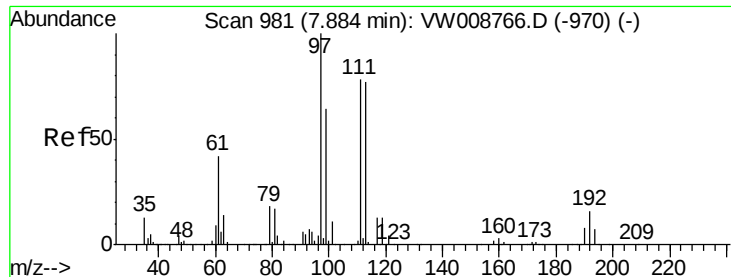
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	369273		
63	20.8	0.0	40.8	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.688 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

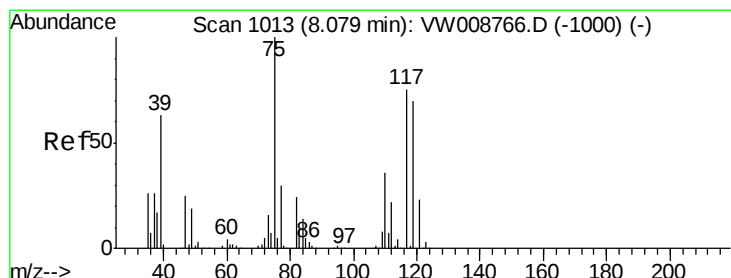
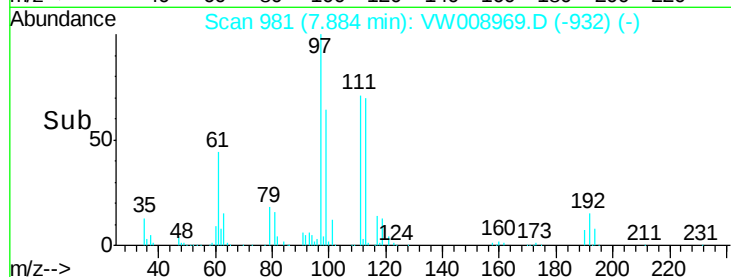
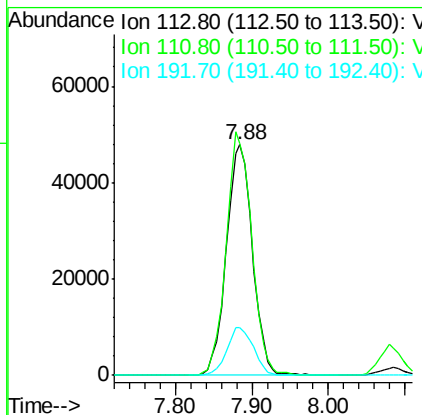
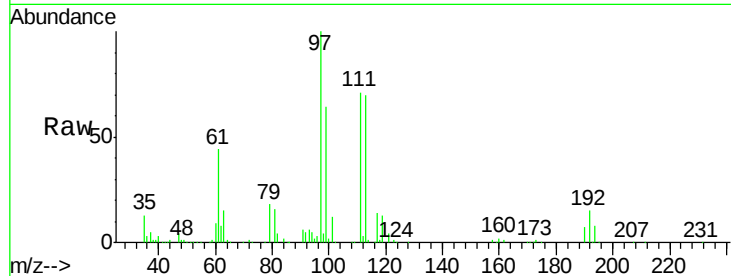
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	112384
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.9	122.9
192	21.2	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.331 ug/l

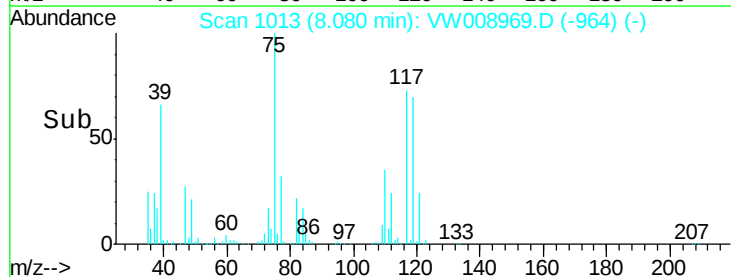
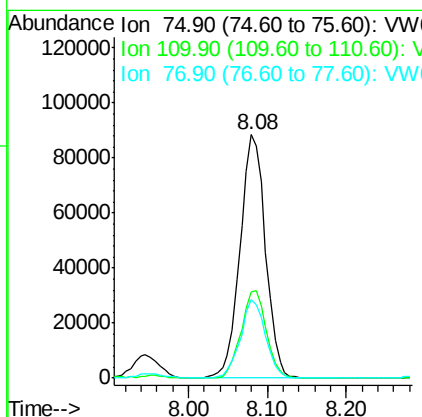
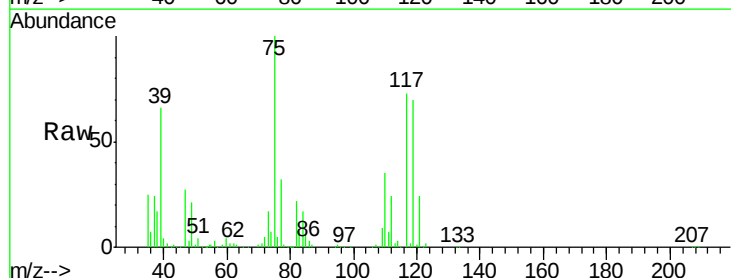
RT: 8.08 min Scan# 1013

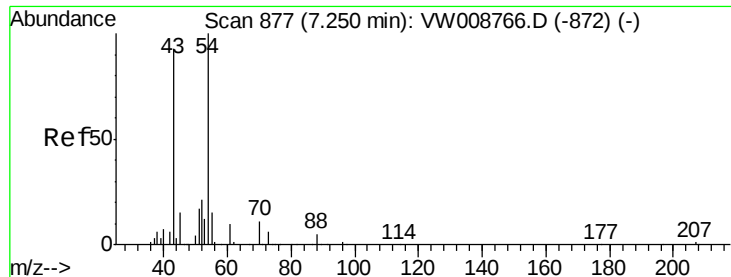
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	75	Resp:	198894
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.5	52.6
77	31.6	24.5	36.7





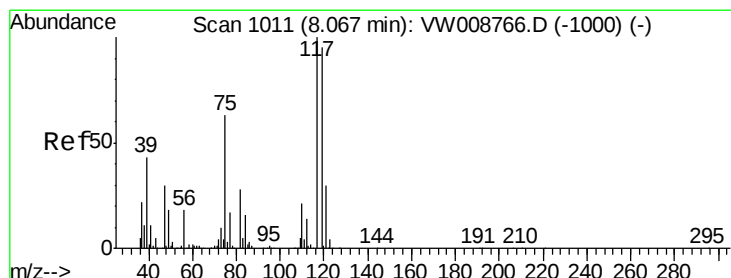
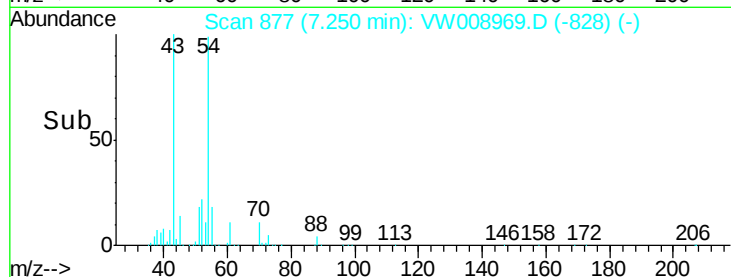
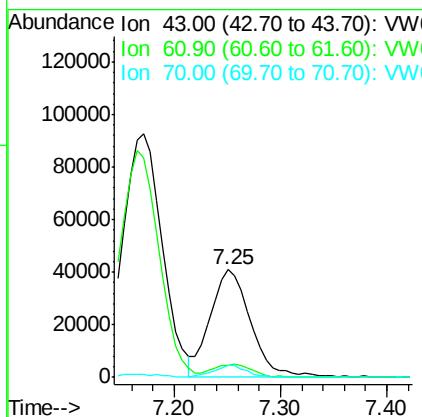
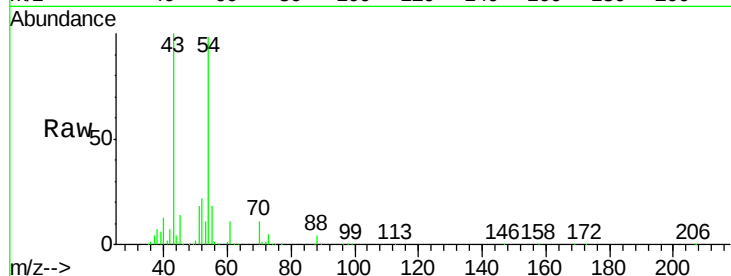
#37
Ethyl Acetate
Concen: 63.465 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.6	8.4	12.6

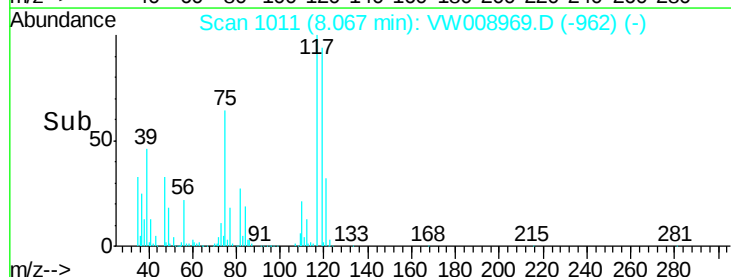
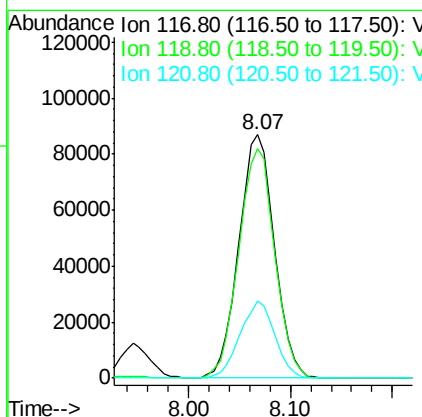
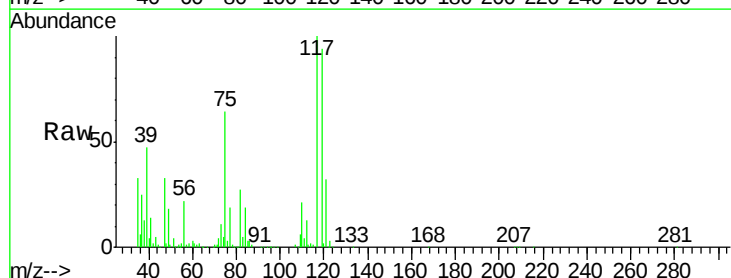
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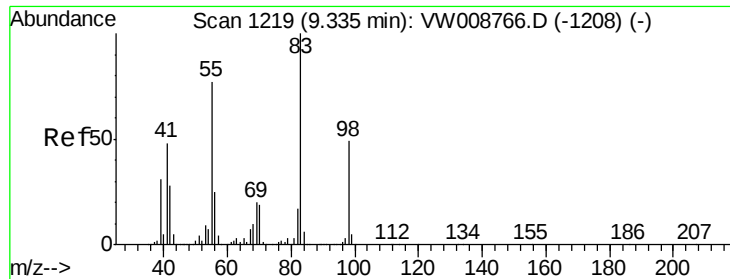
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#38
Carbon Tetrachloride
Concen: 55.607 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.1	114.1
121	31.7	24.0	36.0





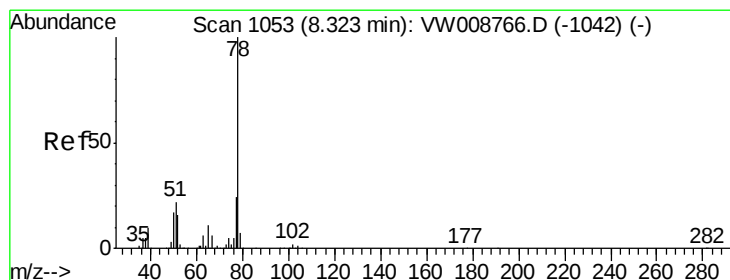
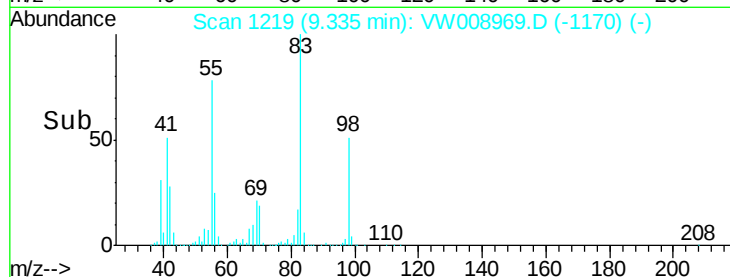
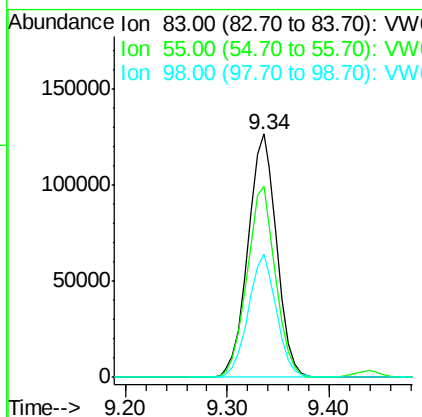
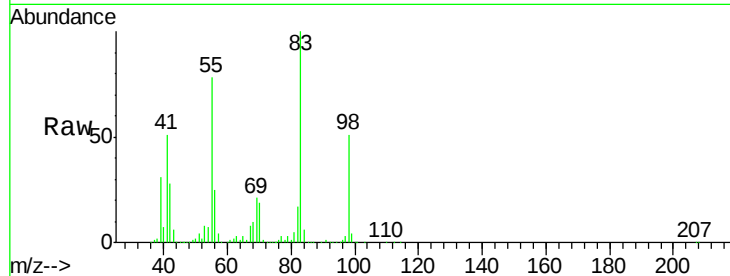
#39
Methvlcvclohexane
Concen: 55.320 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.2	91.8
98	50.6	39.4	59.2

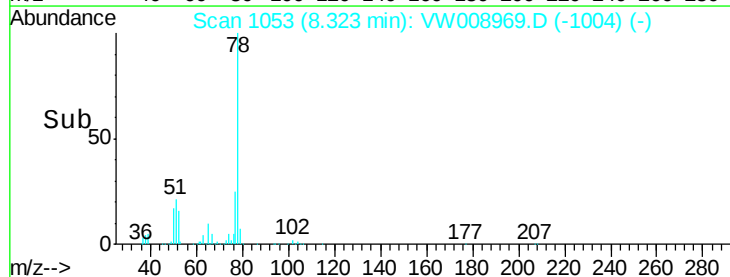
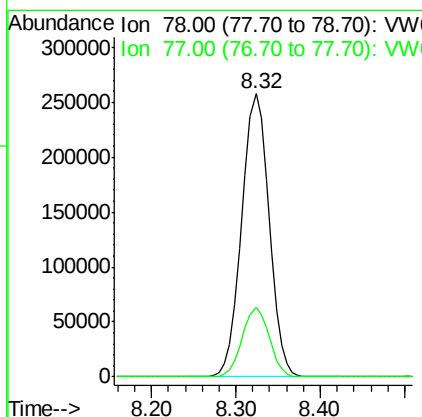
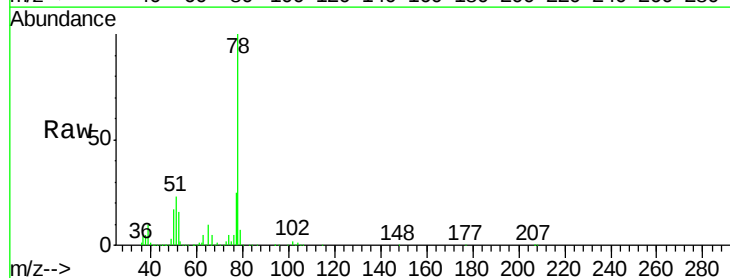
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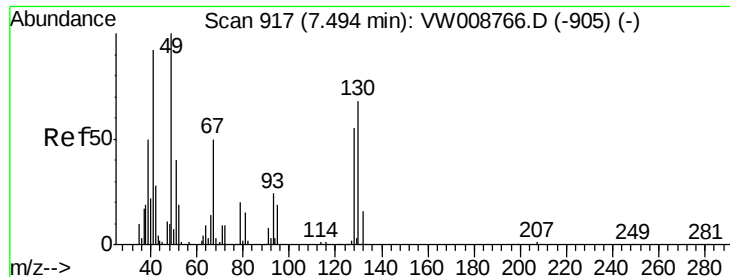
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#40
Benzene
Concen: 57.494 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





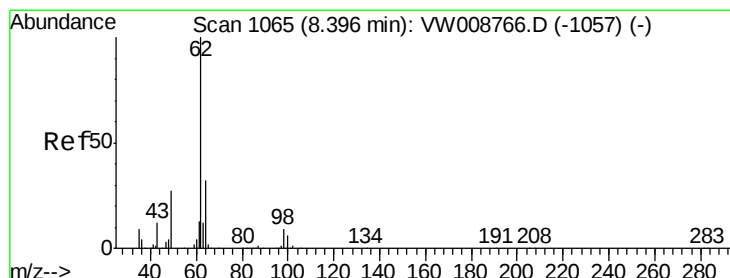
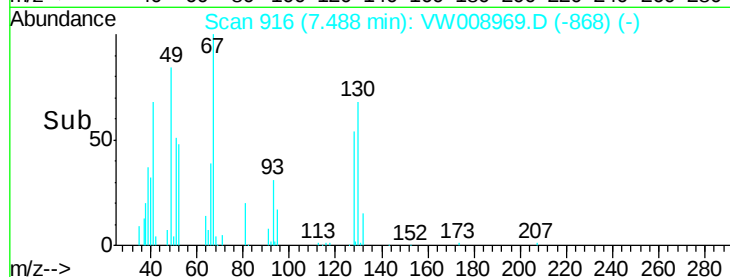
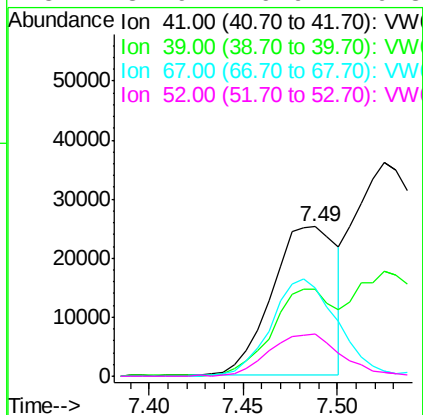
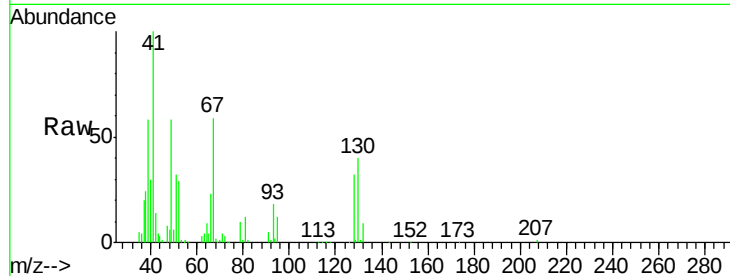
#41
Methacrylonitrile
Concen: 61.682 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:	41	Resp:	60607
Ion	Ratio	Lower	Upper
41	100		
39	55.4	52.5	78.7
67	67.4	55.0	82.6
52	31.9	26.9	40.3

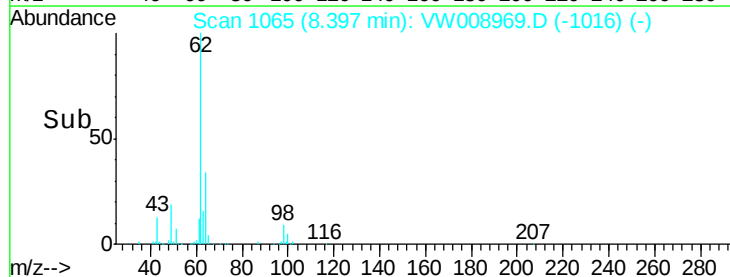
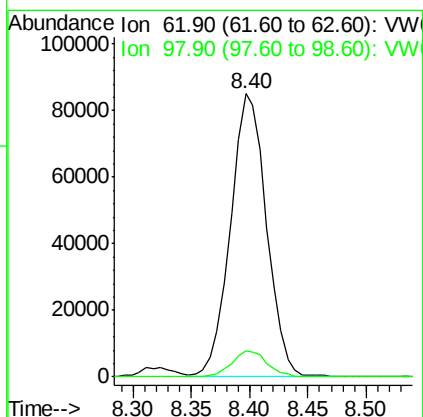
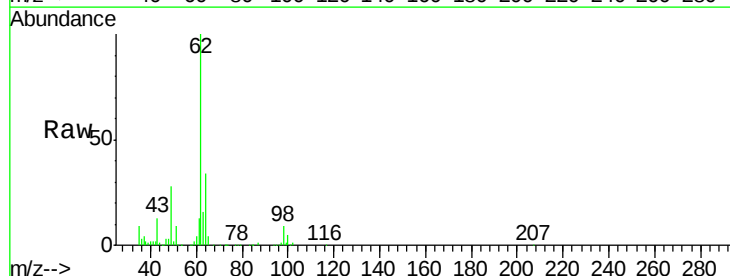
Manual Integrations
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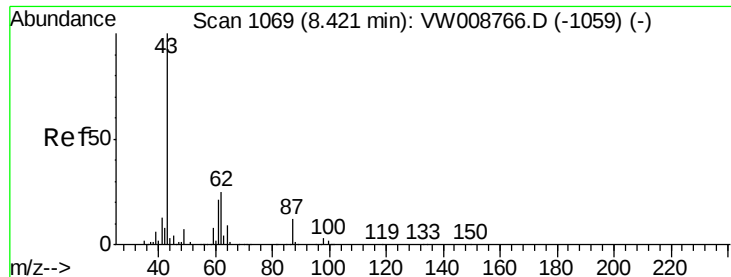
MMDadoda
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#42
1,2-Dichloroethane
Concen: 58.799 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:	62	Resp:	182808
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





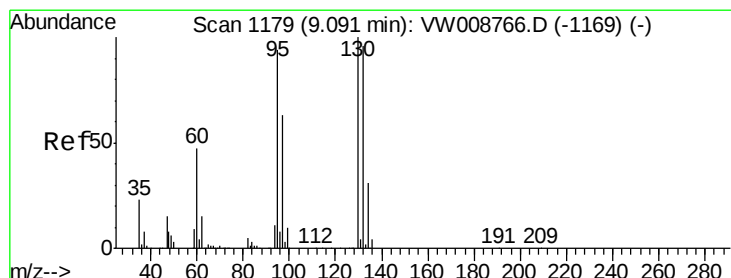
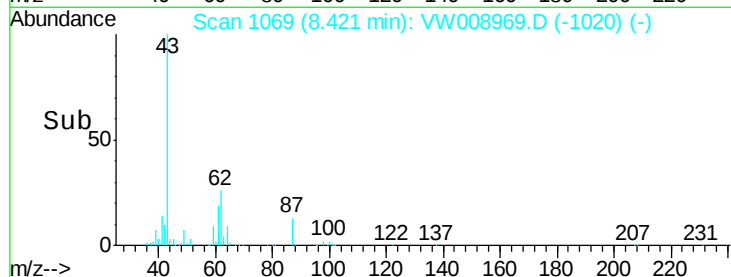
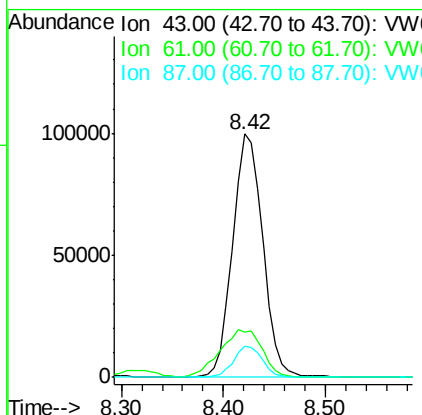
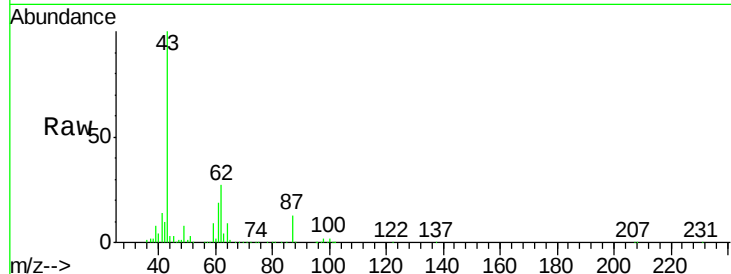
#43
Isopropyl Acetate
Concen: 61.112 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	23.2	34.8
87	12.4	9.9	14.9

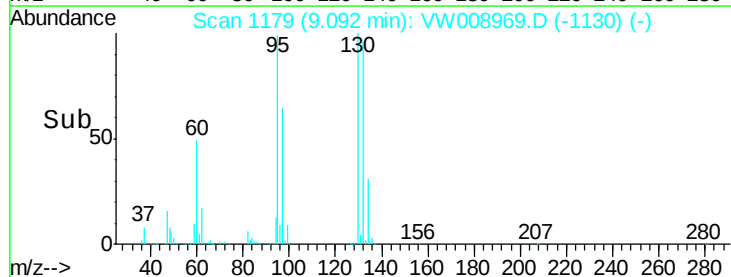
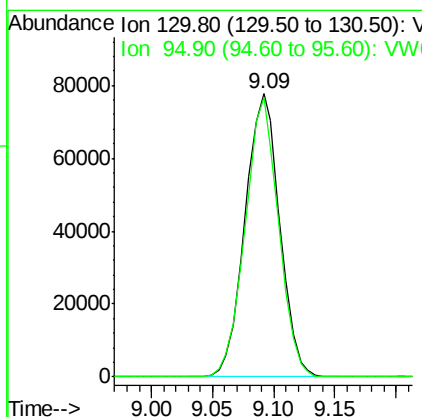
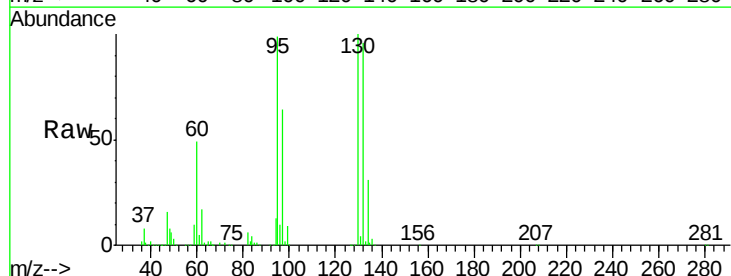
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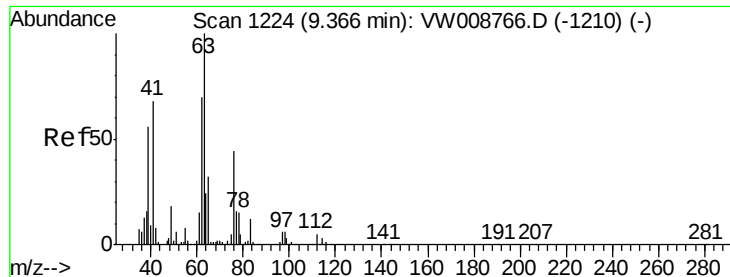
MMDadoda
3/5/2019 11:49:58 PM



#44
Trichloroethene
Concen: 55.461 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	188.6





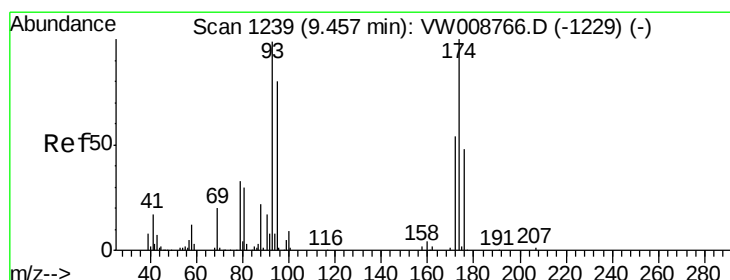
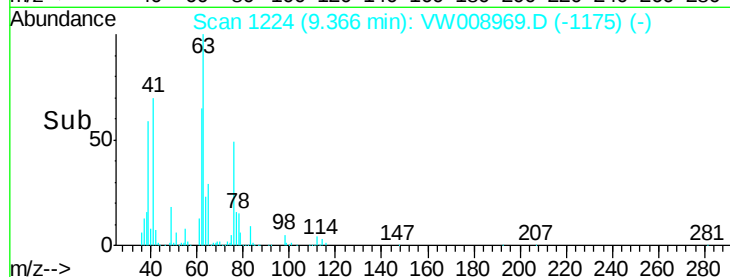
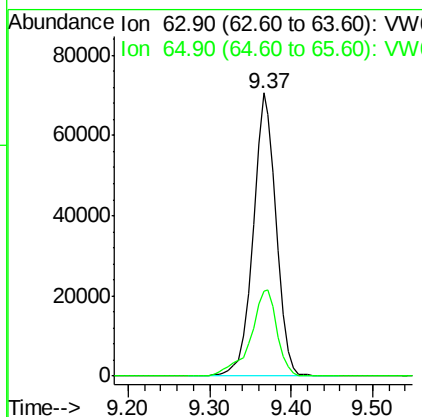
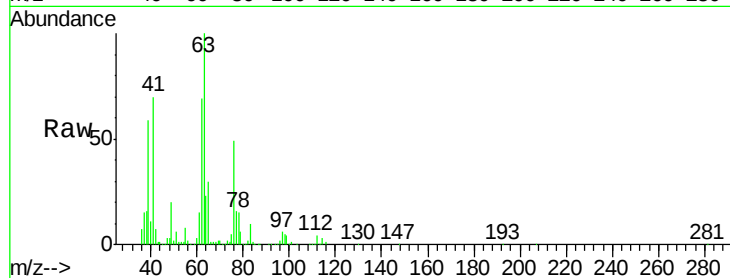
#45
 1,2-Dichloropropane
 Concen: 57.298 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.5	38.3

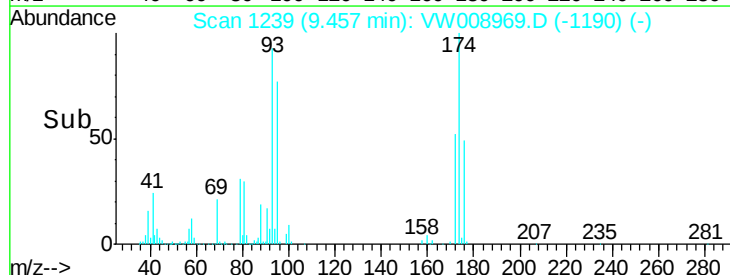
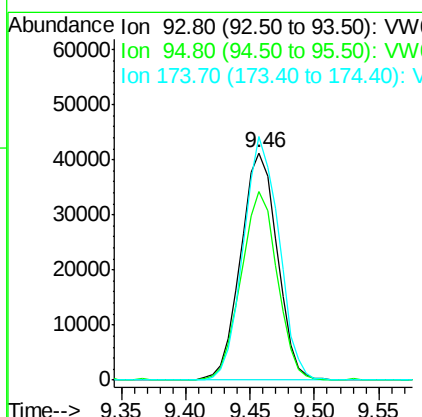
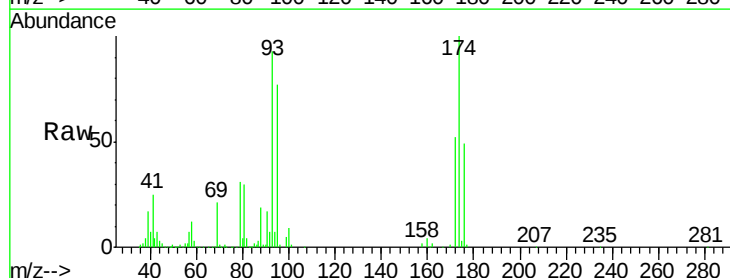
Manual Integrations
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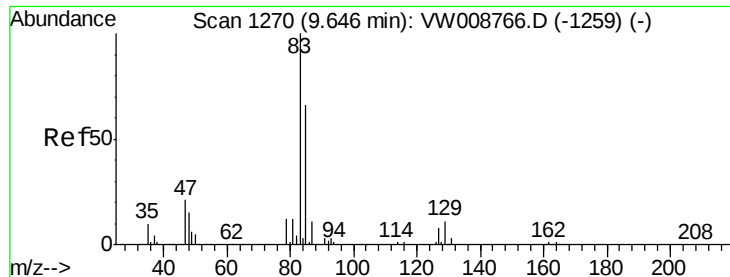
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#46
 Dibromomethane
 Concen: 60.076 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.7	101.5
174	104.2	86.7	130.1





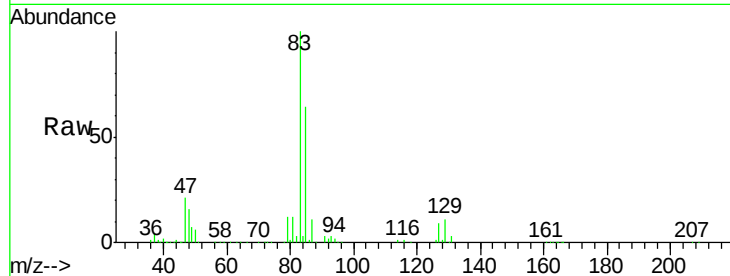
#47
Bromodichloromethane
Concen: 57.904 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

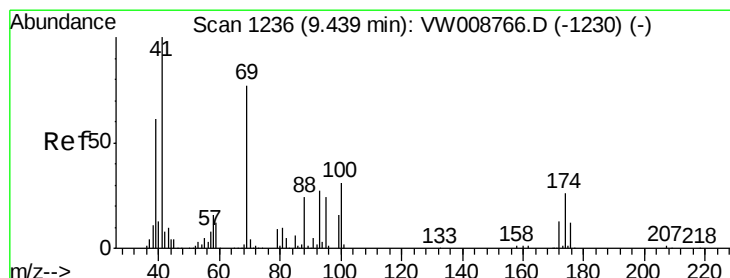
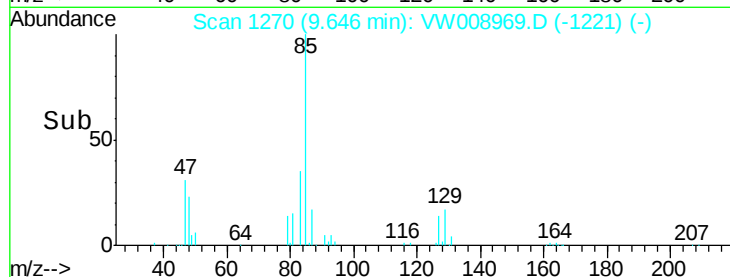
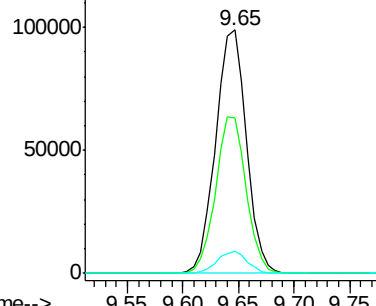
Tot Ion	Ratio	Resp	Lower	Upper
83	100	190056		
85	63.8	52.5	78.7	
127	8.9	6.7	10.1	

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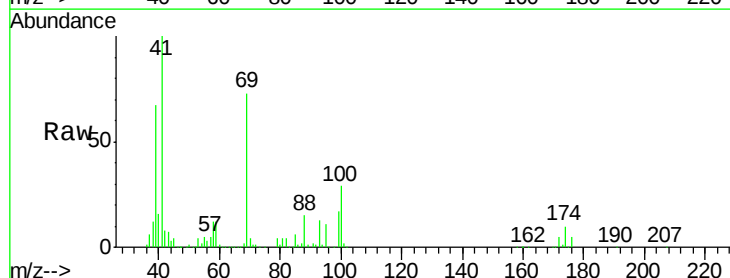


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

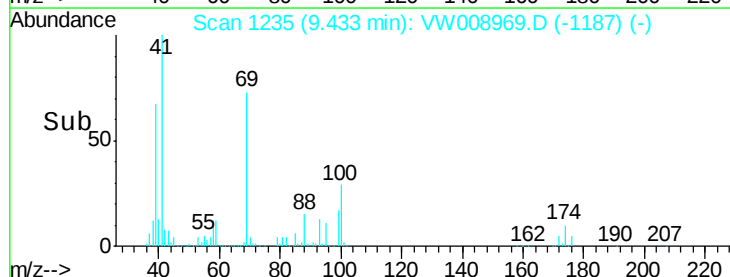
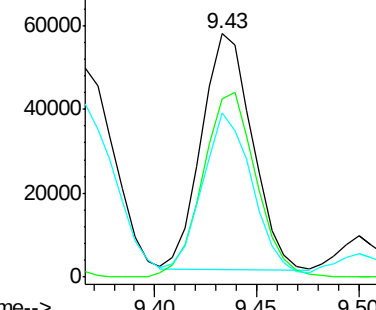


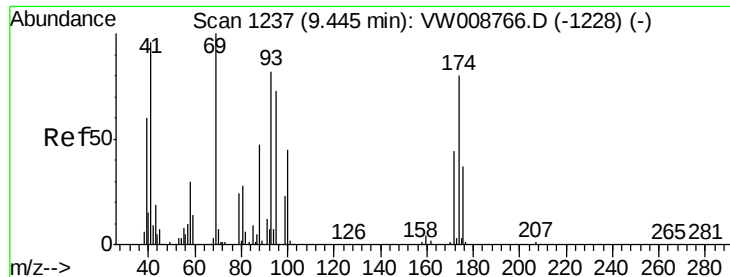
#48
Methyl methacrylate
Concen: 60.899 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	97306		
69	82.1	63.6	95.4	
39	65.8	52.1	78.1	



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





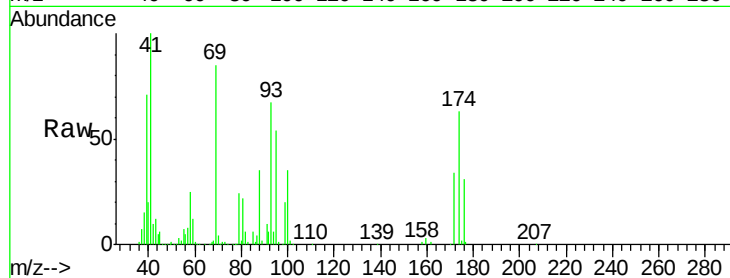
#49
1,4-Dioxane
Concen: 1248.167 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.0	43.4
58	66.1	52.0	78.0

Manual Integrations
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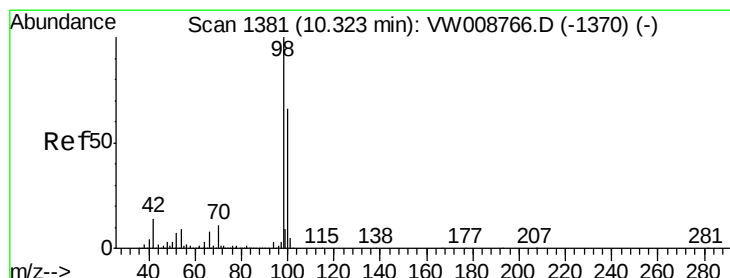
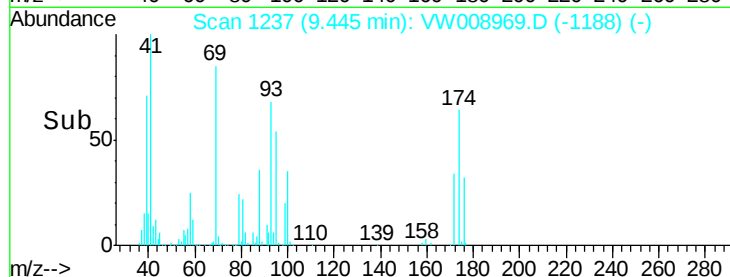
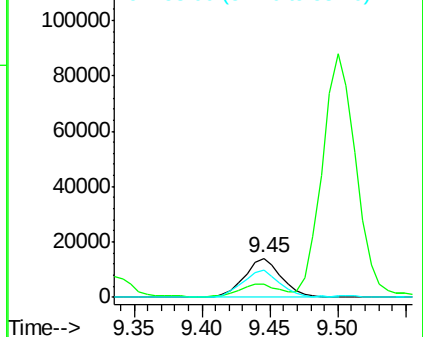


Abundance

Ion 88.00 (87.70 to 88.70): VW

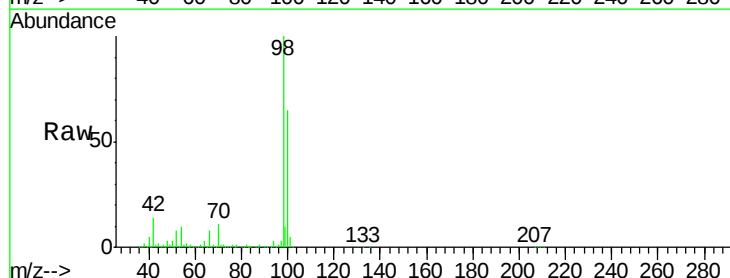
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 52.829 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

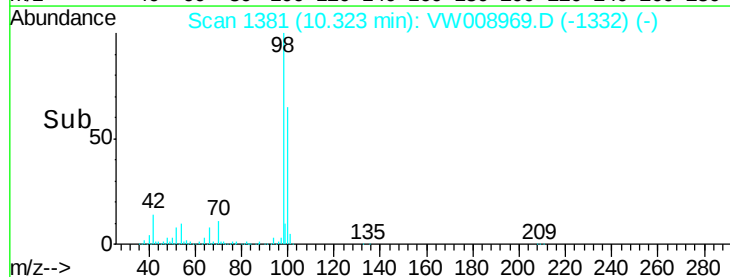
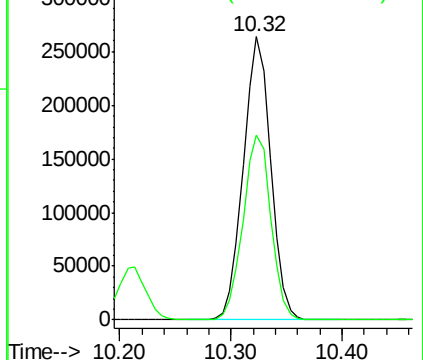
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.4	78.6

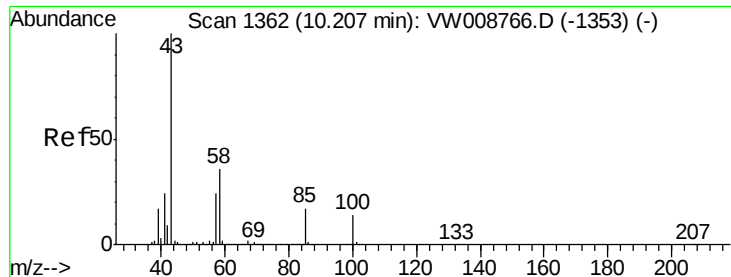


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 336.670 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 570240

Ion Ratio Lower Upper

43 100

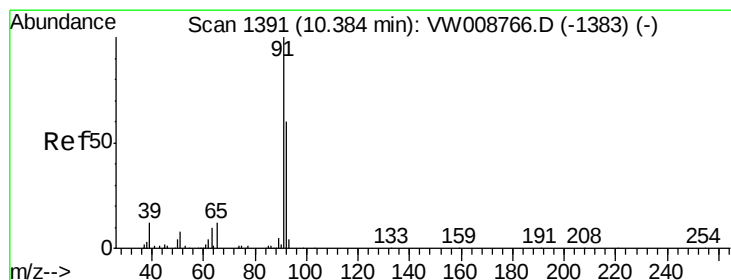
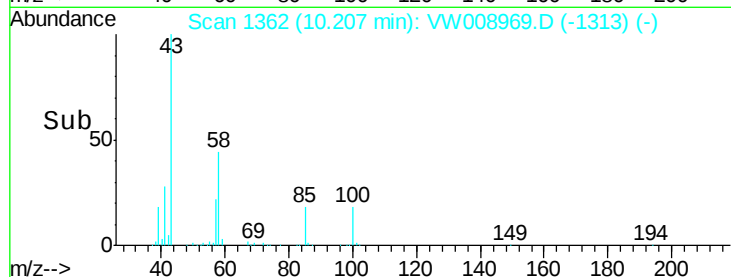
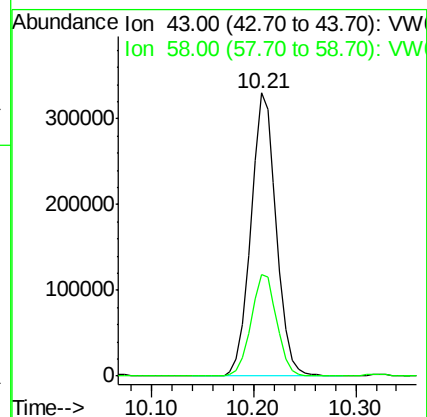
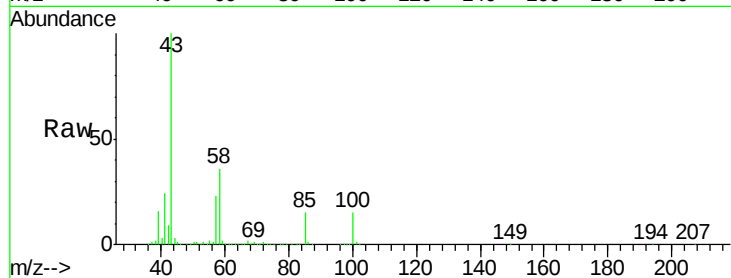
58 36.6 29.1 43.7

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#52

Toluene

Concen: 58.757 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008969.D

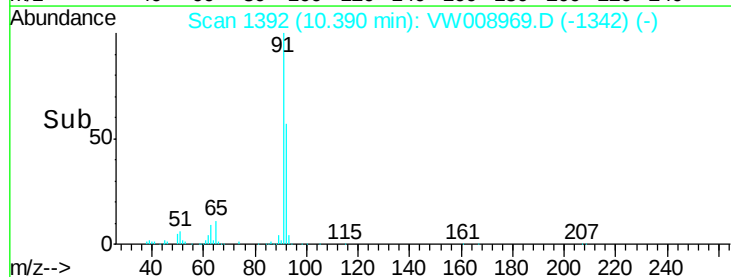
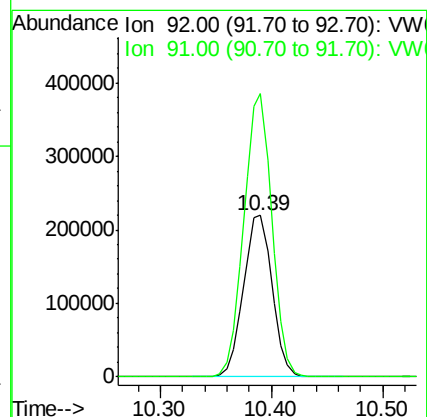
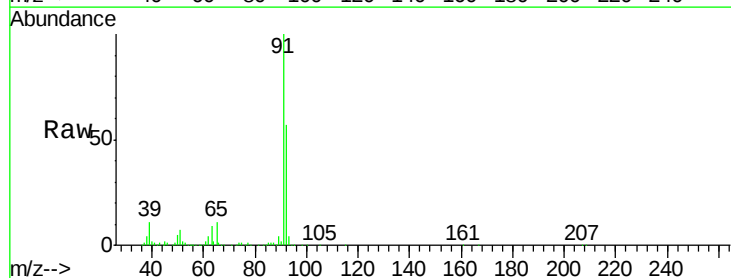
Acq: 04 Mar 2019 18:22

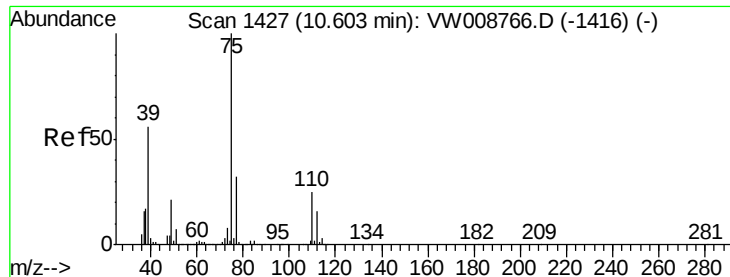
Tgt Ion: 92 Resp: 391369

Ion Ratio Lower Upper

92 100

91 171.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 58.781 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 196649

Ion Ratio Lower Upper

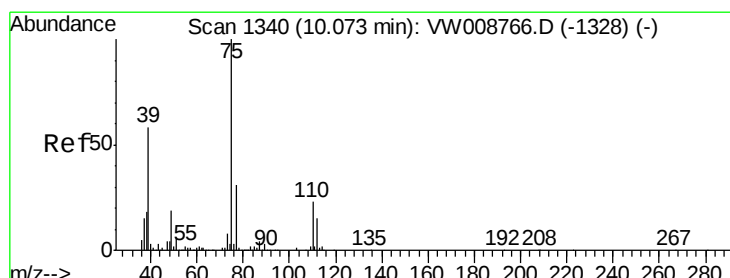
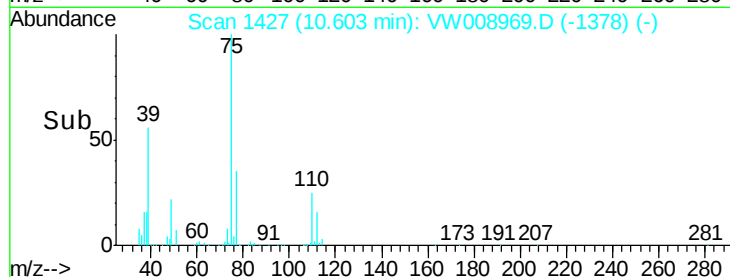
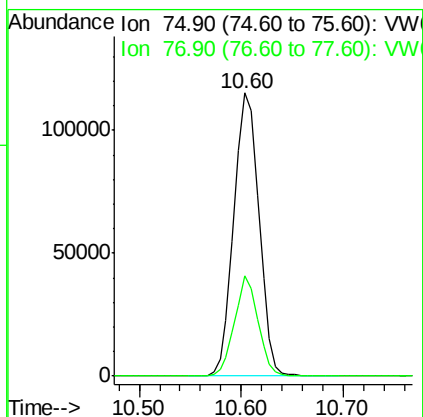
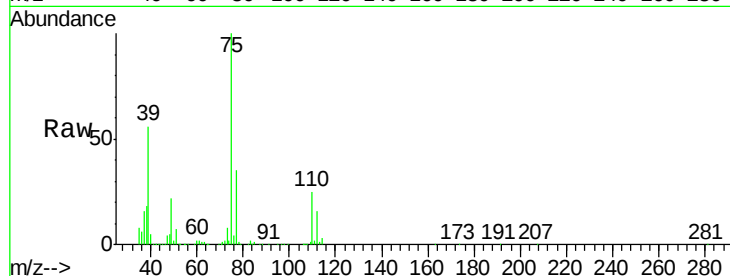
75 100

77 35.3 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 57.559 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

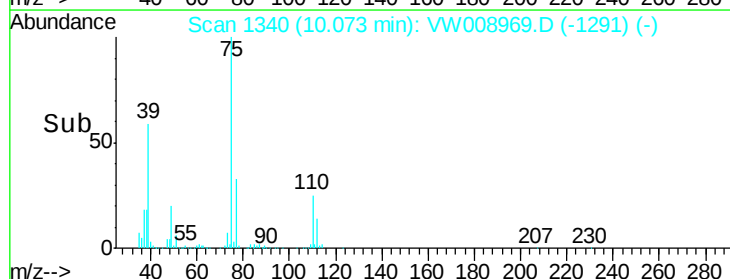
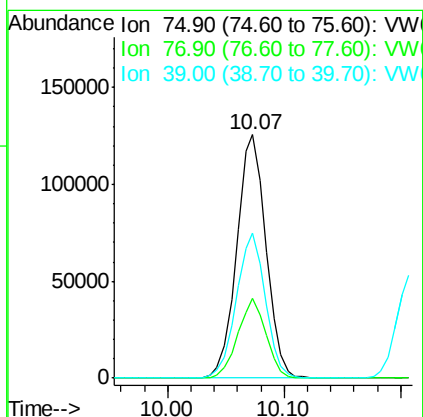
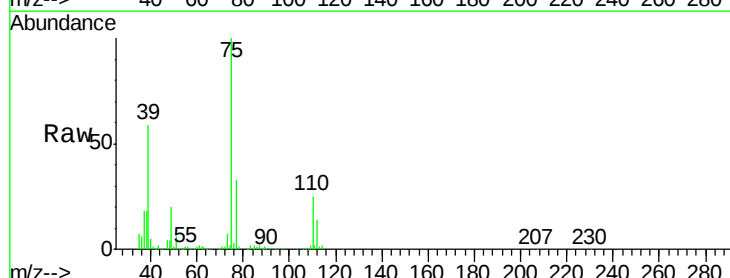
Tgt Ion: 75 Resp: 219622

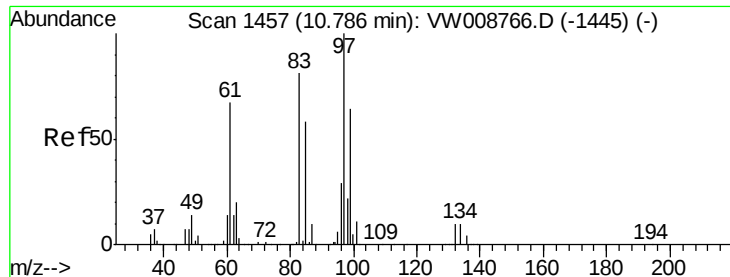
Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

39 59.3 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 59.339 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

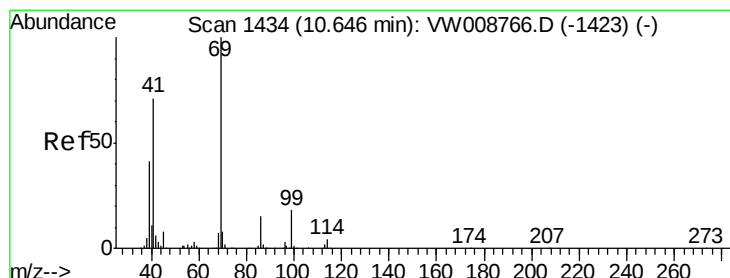
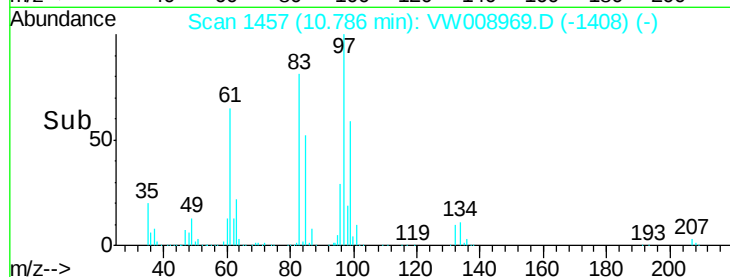
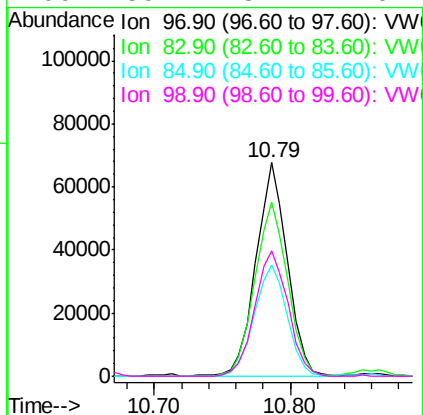
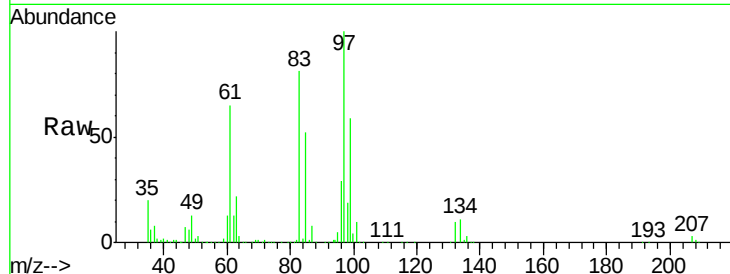
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108562		
83	81.6	65.0	97.6		
85	52.2	46.0	69.0		
99	59.1	51.1	76.7		

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#56

Ethyl methacrylate

Concen: 64.892 ug/l

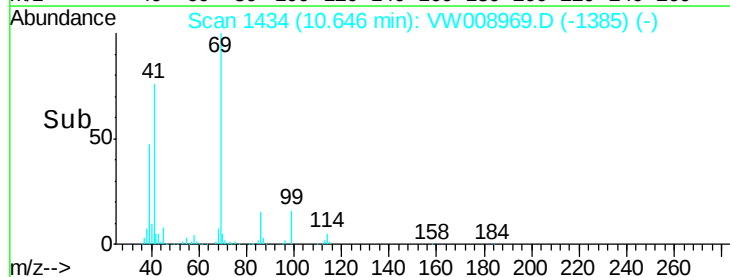
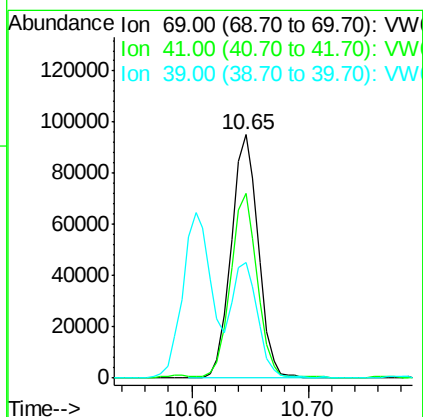
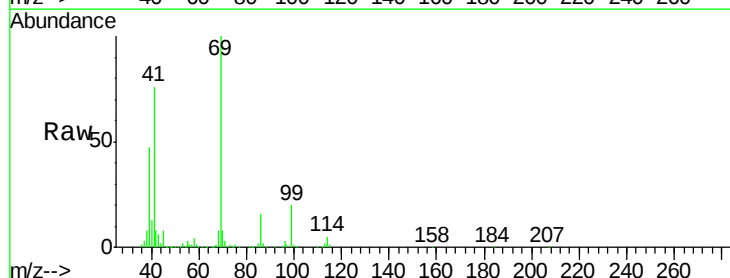
RT: 10.65 min Scan# 1434

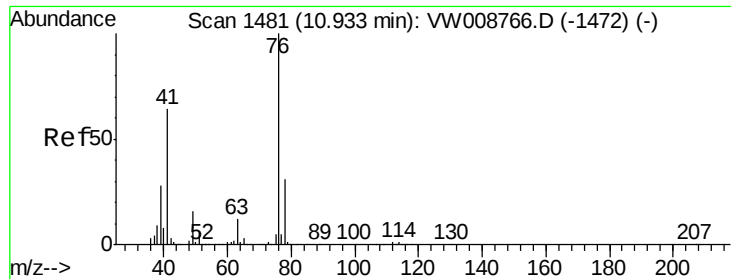
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154244		
41	74.0	57.4	86.0		
39	43.9	34.8	52.2		





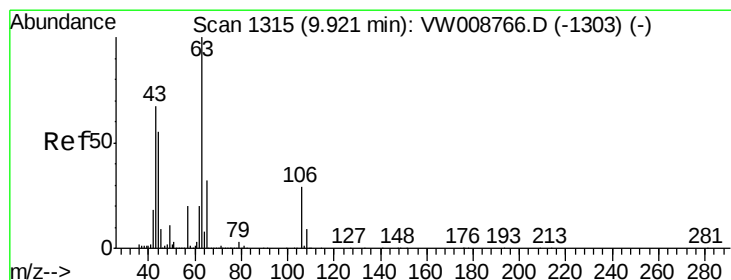
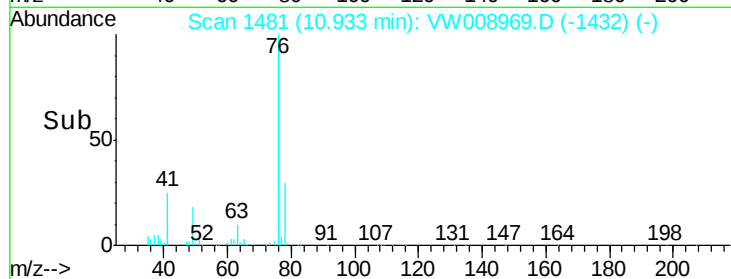
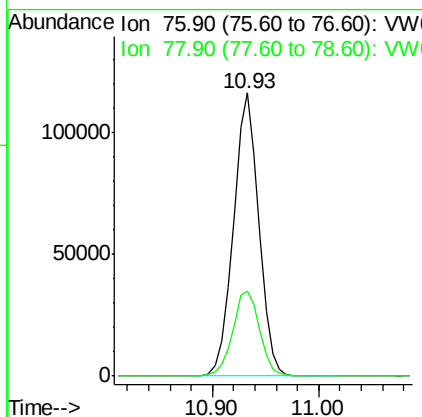
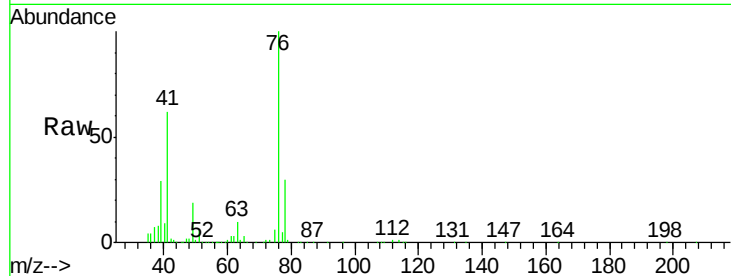
#57
 1,3-Dichloropropane
 Concen: 59.846 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

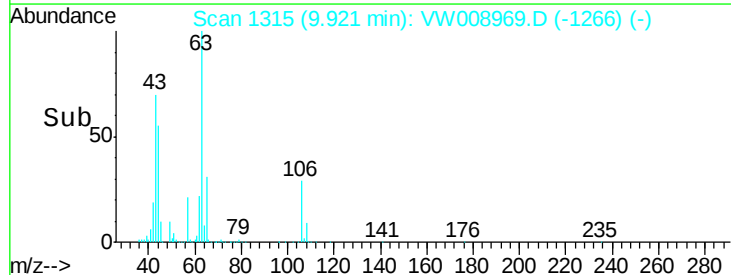
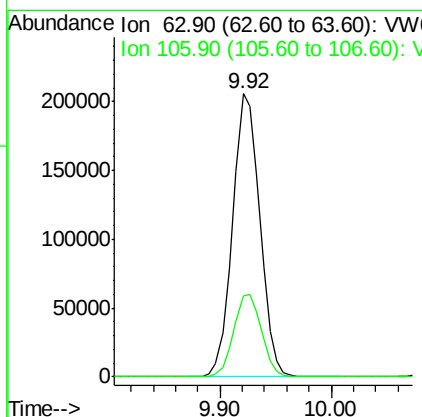
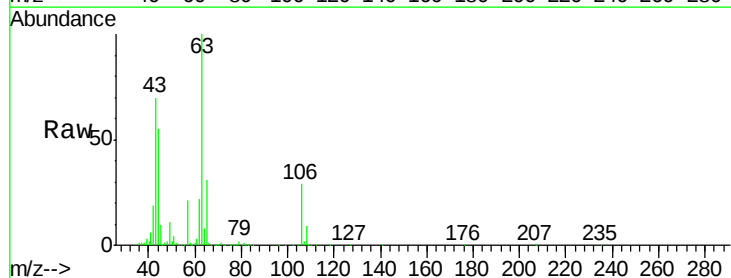
Manual Integrations
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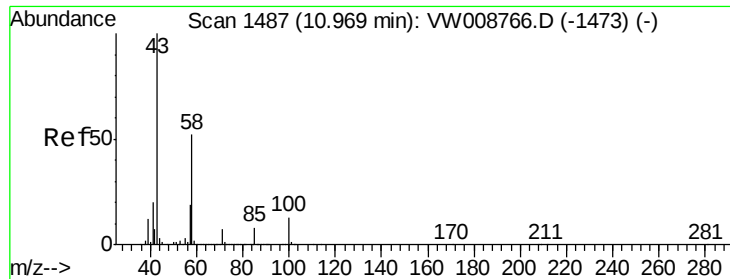
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 291.759 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.0	36.0





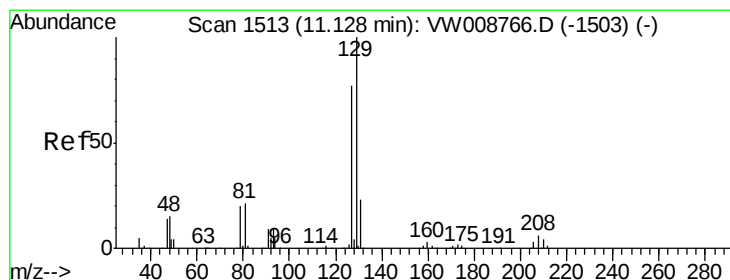
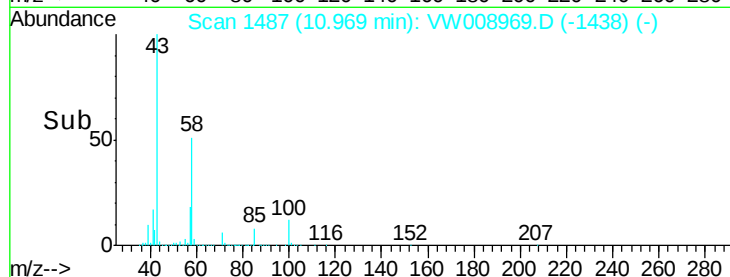
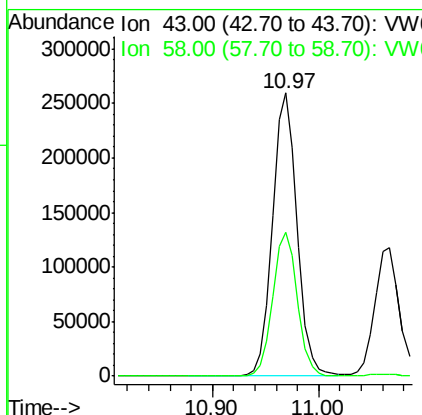
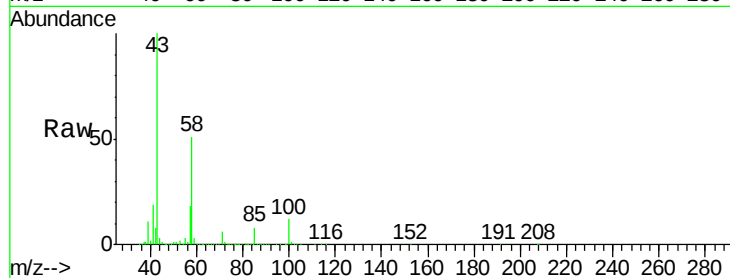
#59
2-Hexanone
Concen: 344.948 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 415902
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.8

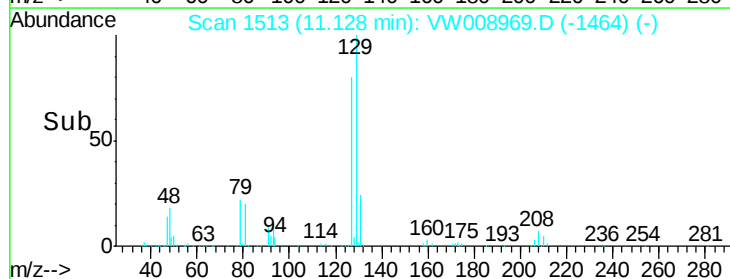
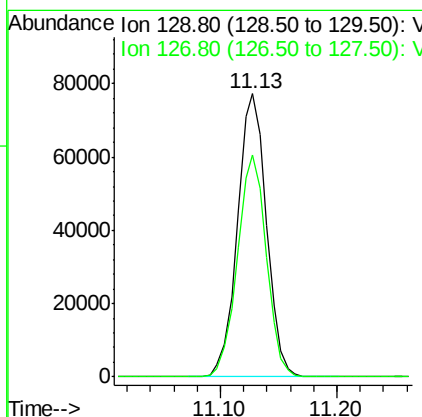
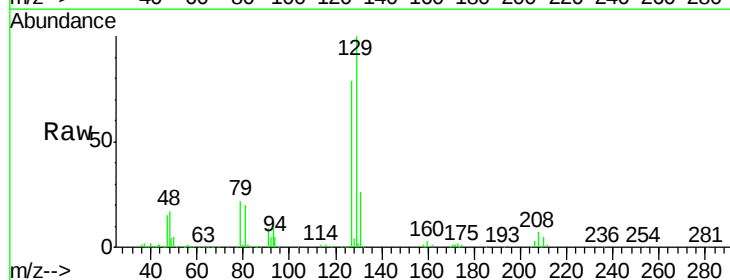
Manual Integrations
APPROVED

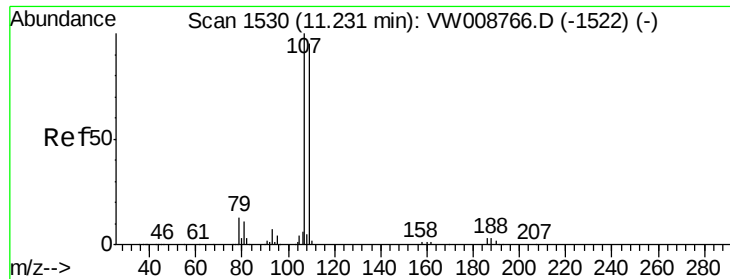
MMDadoda
3/5/2019 11:49:58 PM



#60
Dibromochloromethane
Concen: 59.999 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 129 Resp: 133889
Ion Ratio Lower Upper
129 100
127 78.4 39.0 116.9





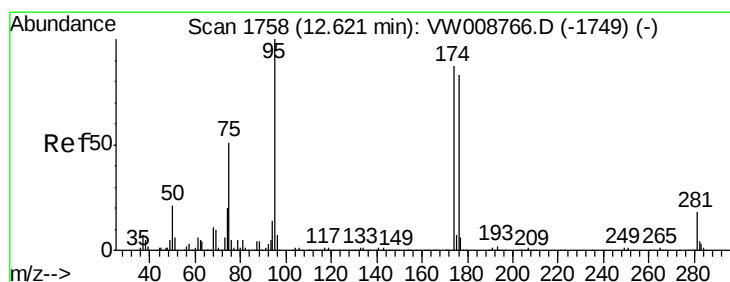
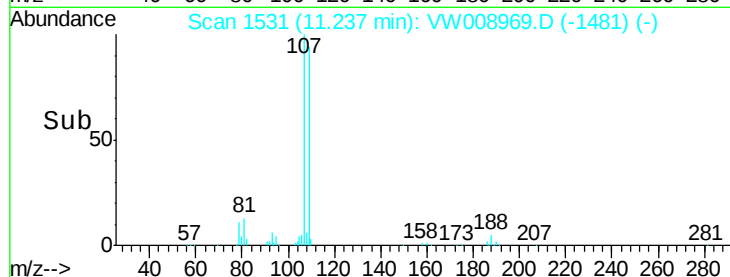
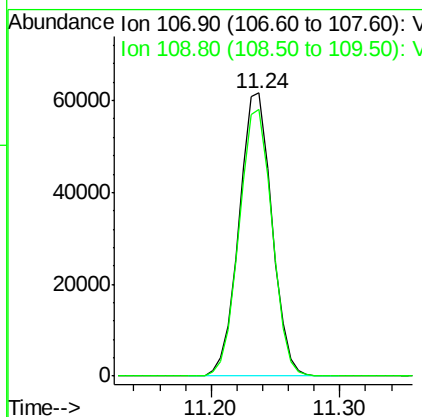
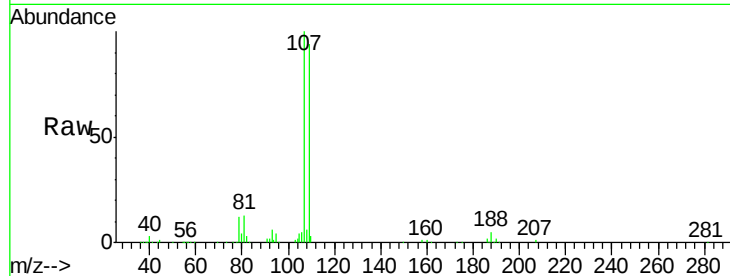
#61
 1,2-Dibromoethane
 Concen: 59.911 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	108495		
109	94.7	75.6	113.4	

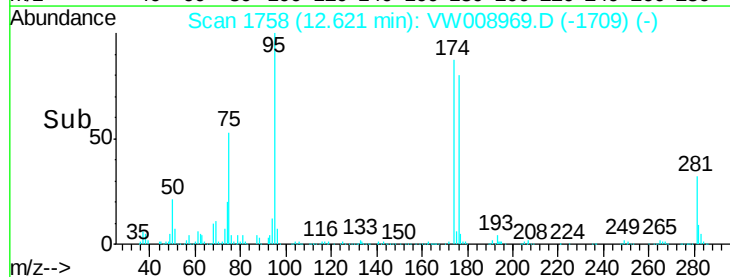
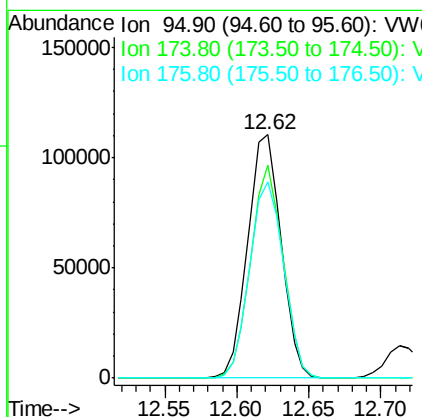
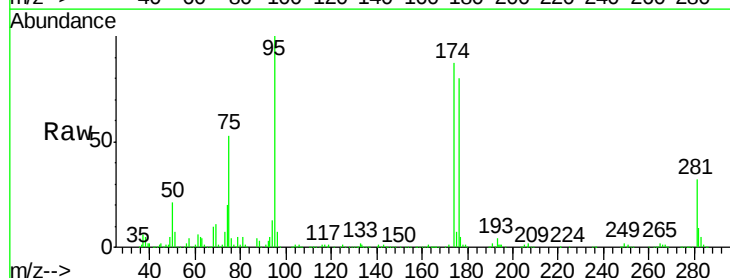
Manual Integrations
 APPROVED

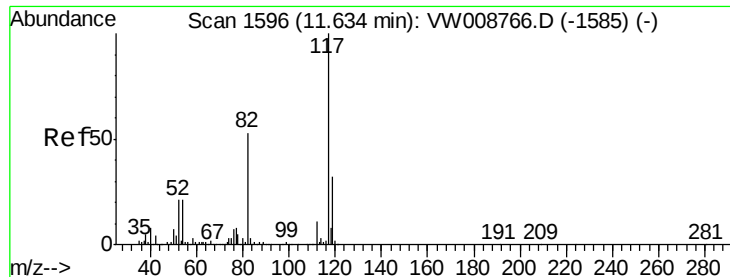
MMDadoda
 3/5/2019 11:49:58 PM



#62
 4-Bromofluorobenzene
 Concen: 52.776 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	176862		
174	84.7	0.0	169.2	
176	82.2	0.0	163.6	





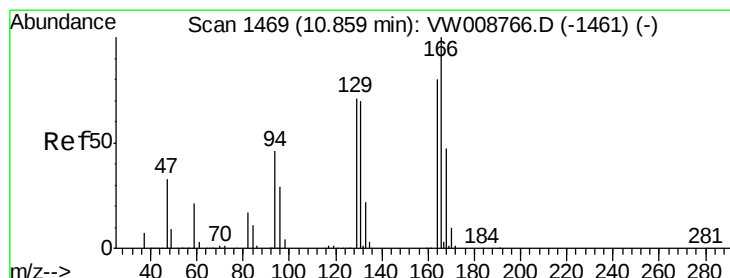
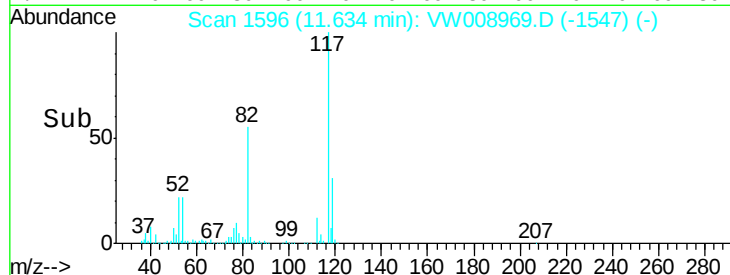
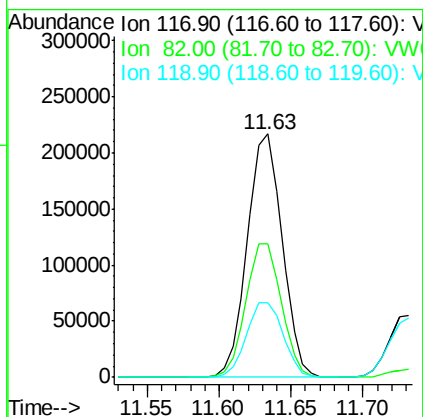
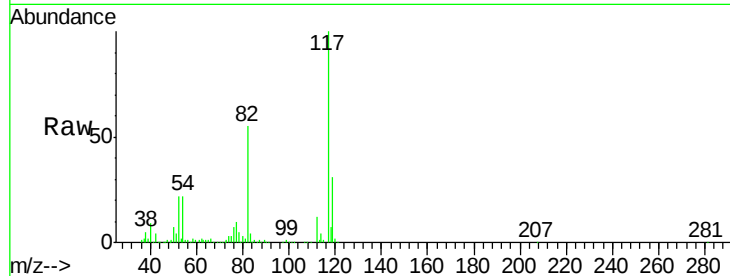
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.2	63.4
119	30.7	25.9	38.9

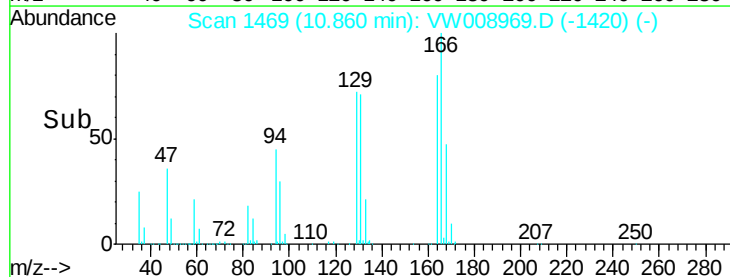
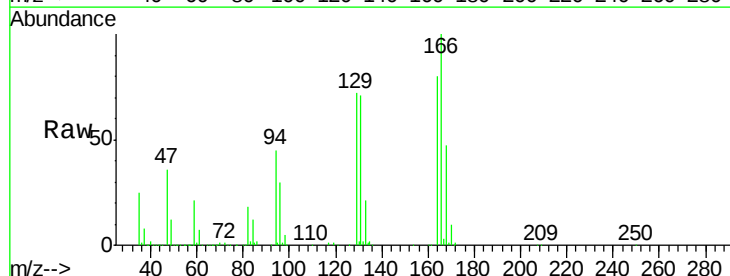
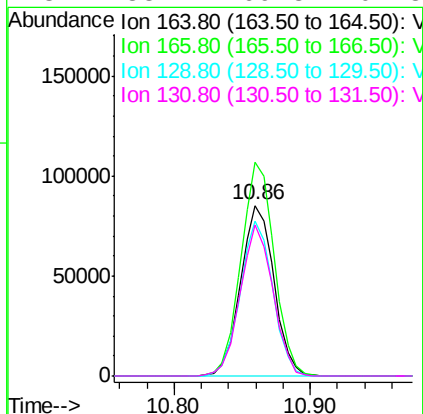
Manual Integrations
APPROVED

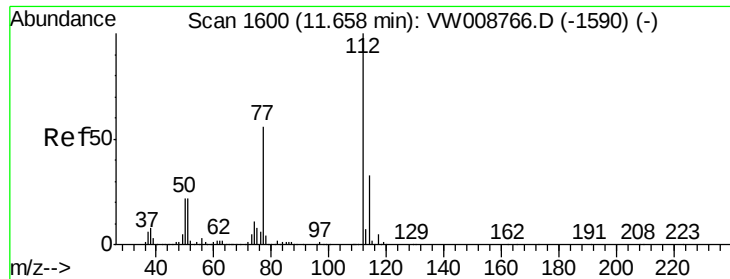
MMDadoda
3/5/2019 11:49:58 PM



#64
Tetrachloroethene
Concen: 55.932 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	99.5	149.3
129	90.7	71.1	106.7
131	88.4	69.8	104.8





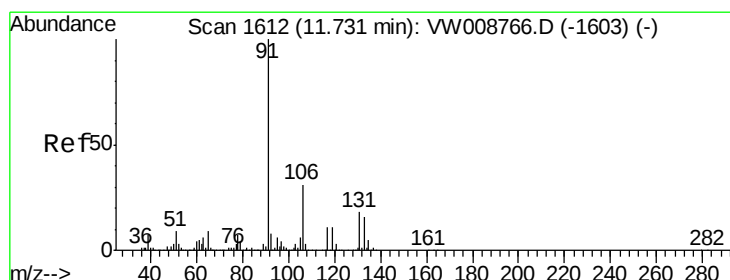
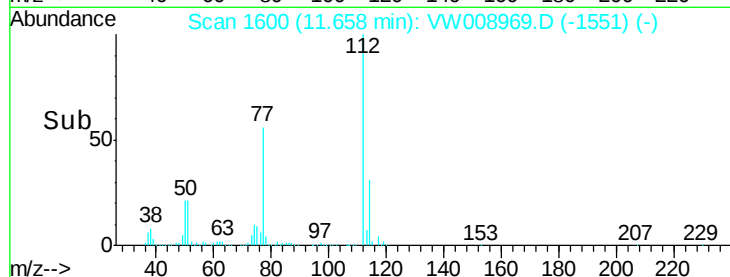
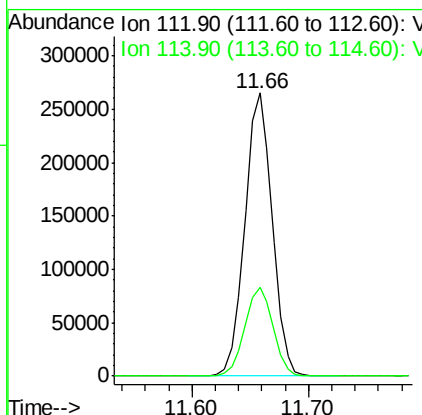
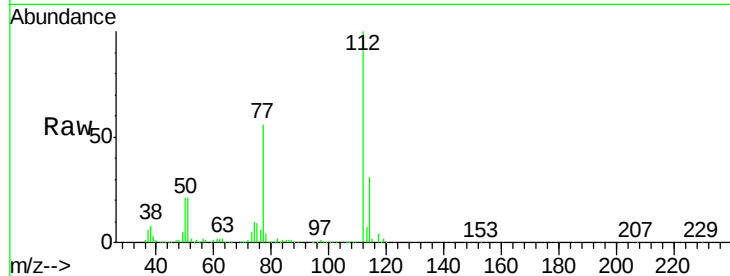
#65
Chlorobenzene
Concen: 56.846 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 434711
Ion Ratio Lower Upper
112 100
114 31.3 26.6 40.0

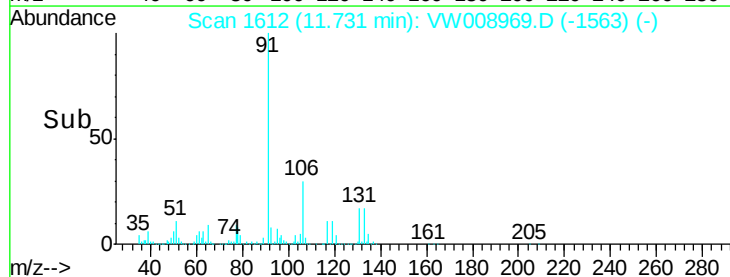
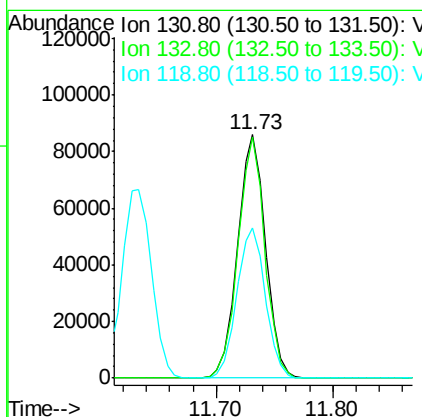
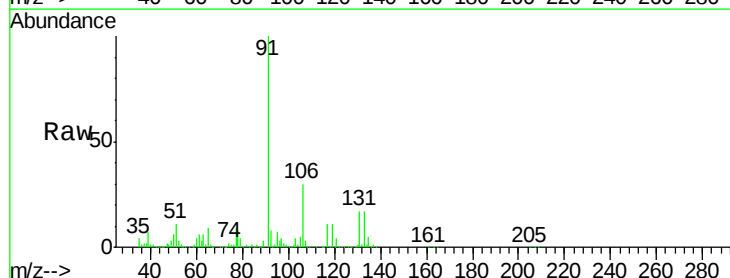
Manual Integrations
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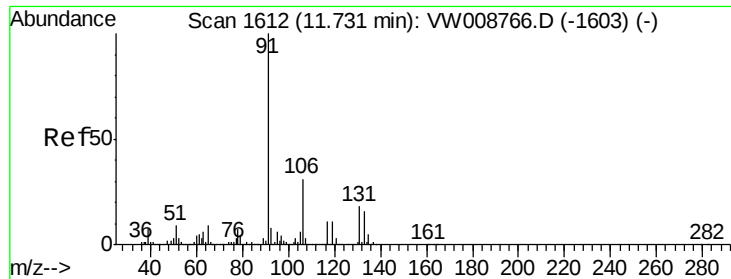
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.567 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:131 Resp: 143680
Ion Ratio Lower Upper
131 100
133 95.1 46.7 140.0
119 62.9 30.8 92.4





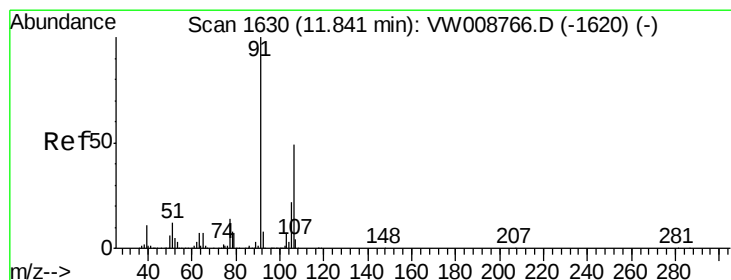
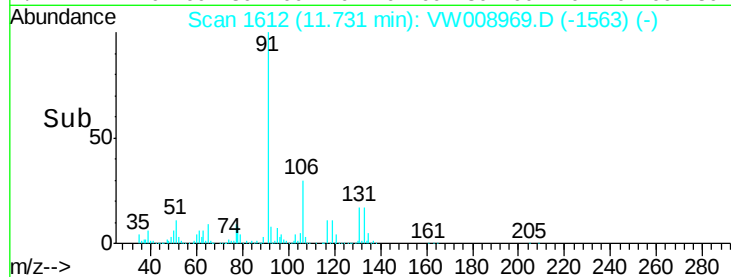
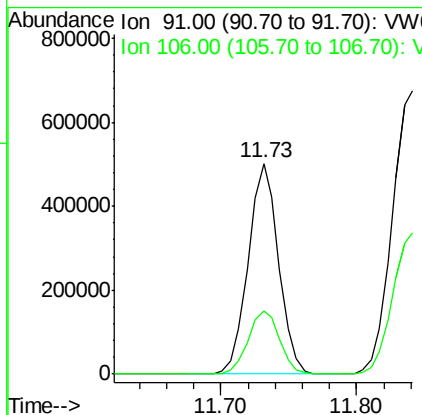
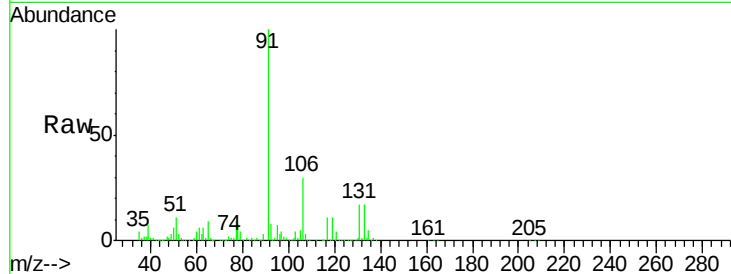
#67
Ethyl Benzene
Concen: 57.367 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6

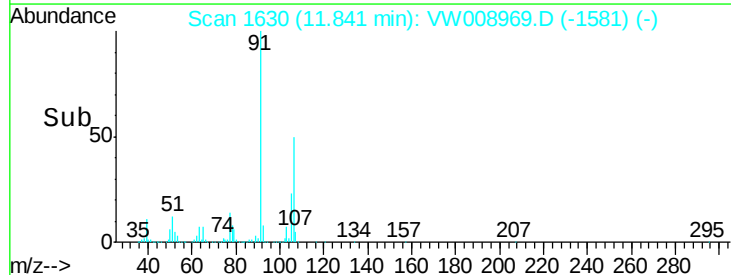
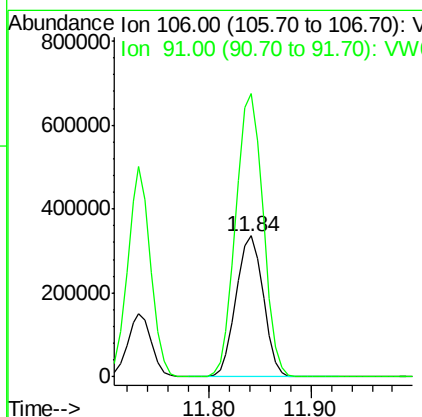
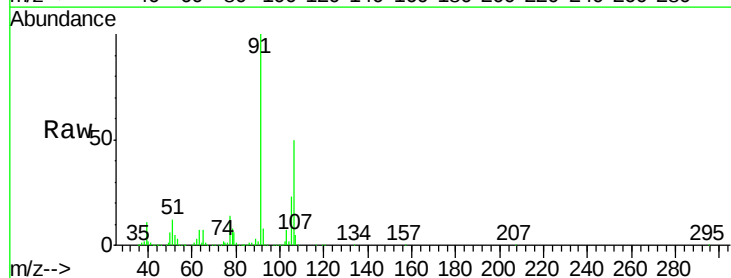
Manual Integrations
APPROVED

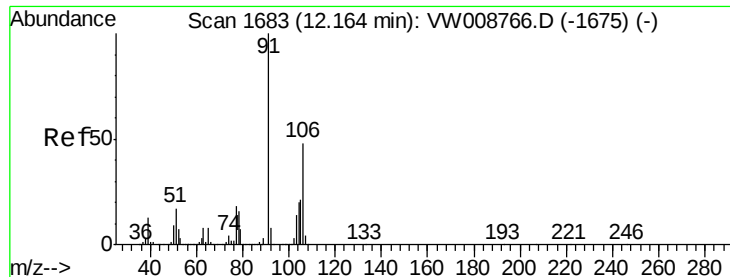
MMDadoda
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#68
m/p-Xylenes
Concen: 113.703 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	161.5	242.3





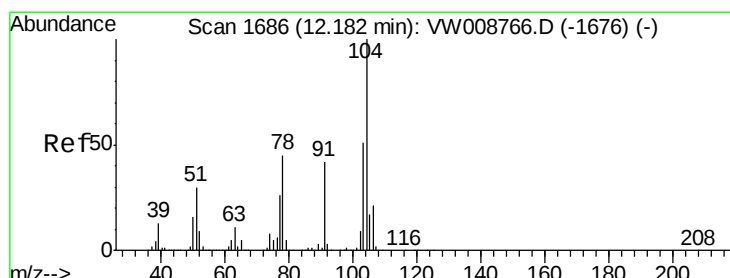
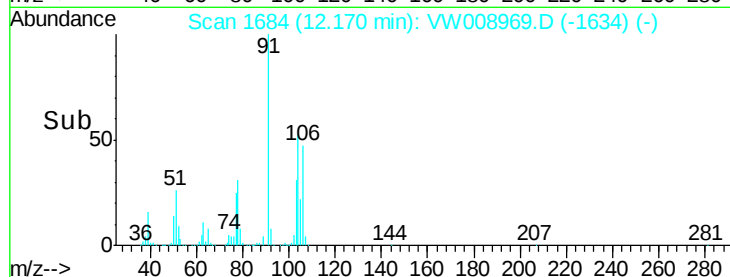
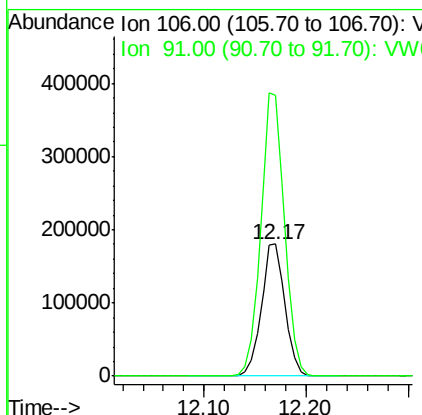
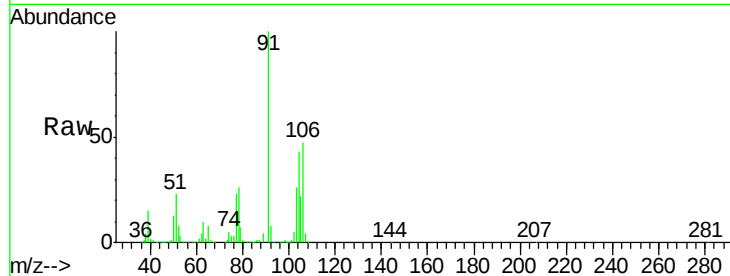
#69
o-Xylene
Concen: 56.466 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.9	106.2	318.6	

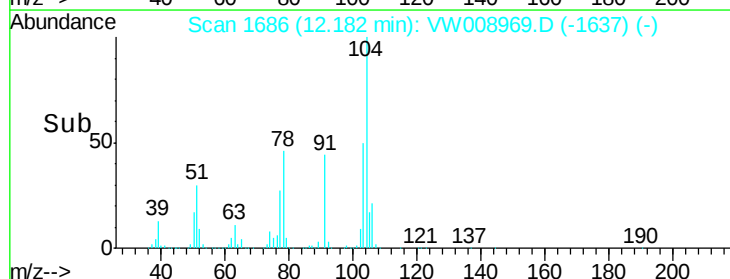
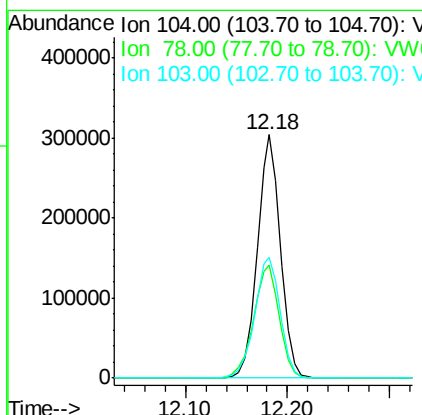
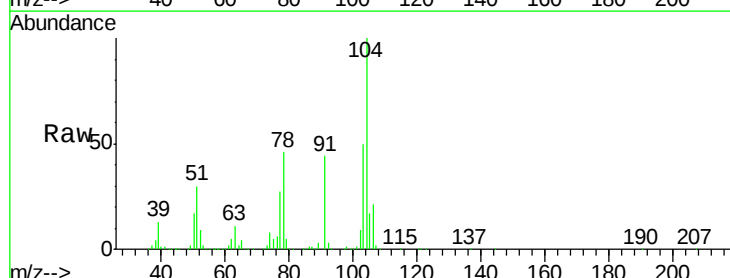
Manual Integrations
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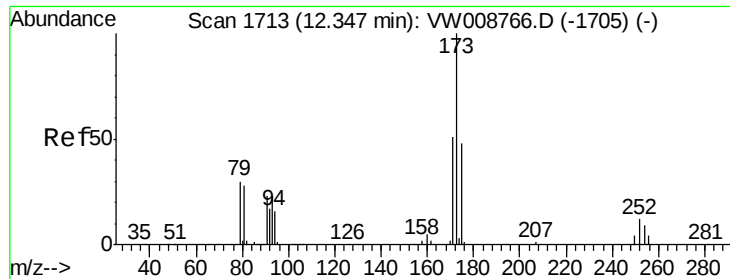
MMDadoda
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#70
Styrene
Concen: 58.093 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.7	40.8	61.2	
103	55.1	44.2	66.2	





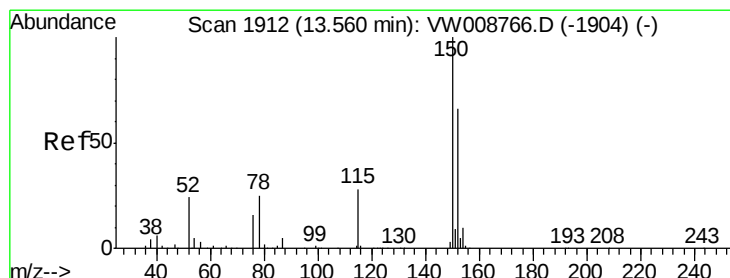
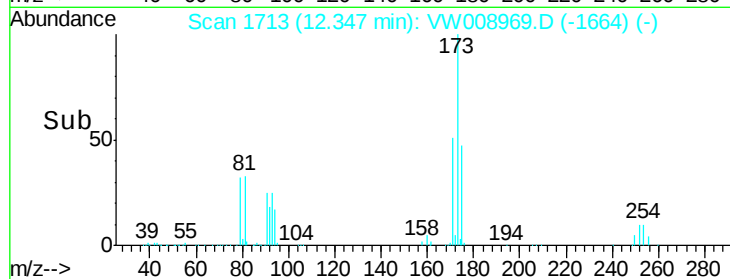
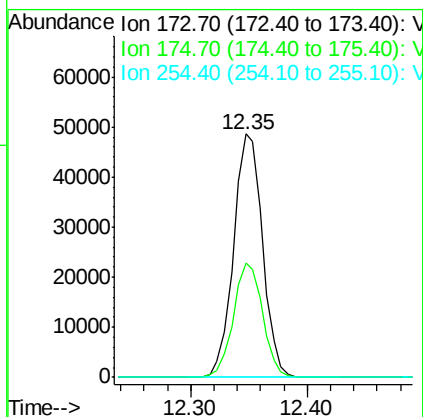
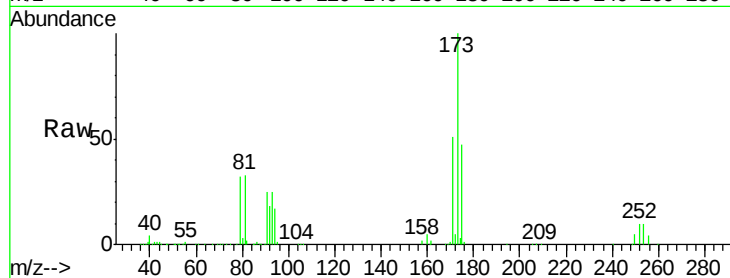
#71
Bromoform
Concen: 60.446 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.2	72.6
254	0.0	0.2	0.4

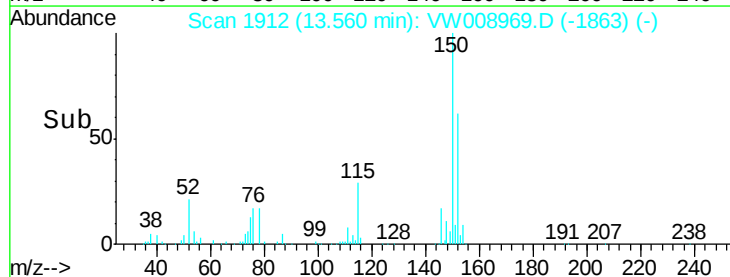
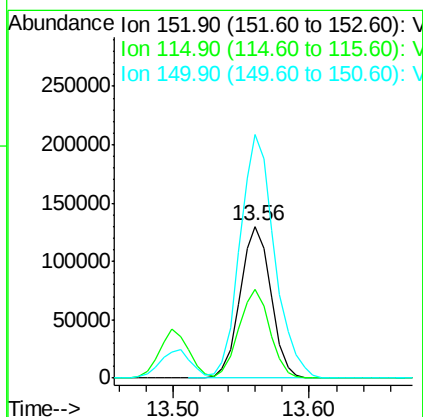
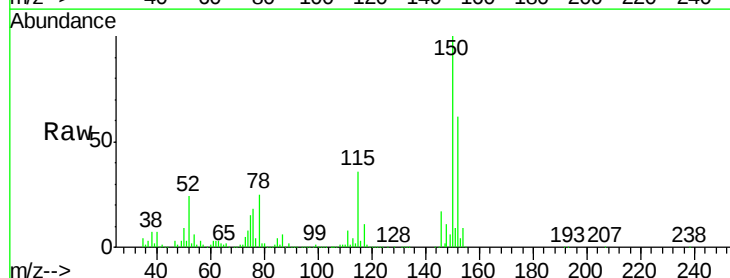
Manual Integrations
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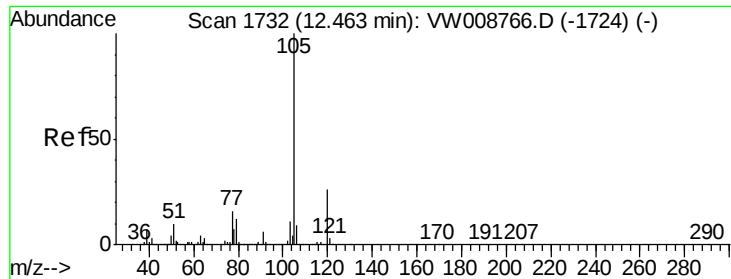
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.6	85.8
150	178.9	0.0	348.0





#73

Isopropylbenzene

Concen: 56.480 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 795707

Ion Ratio Lower Upper

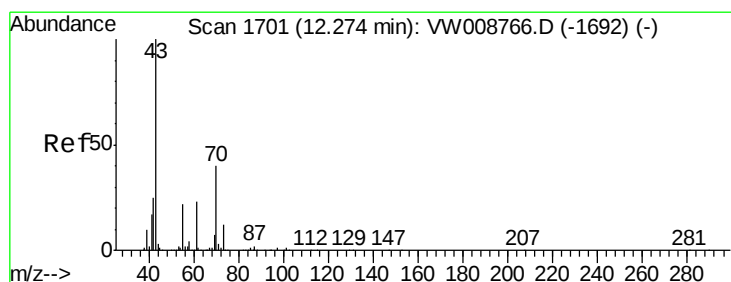
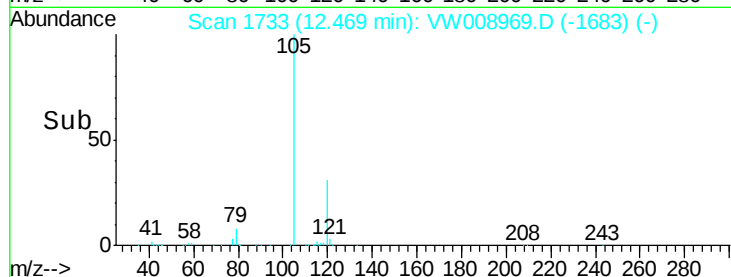
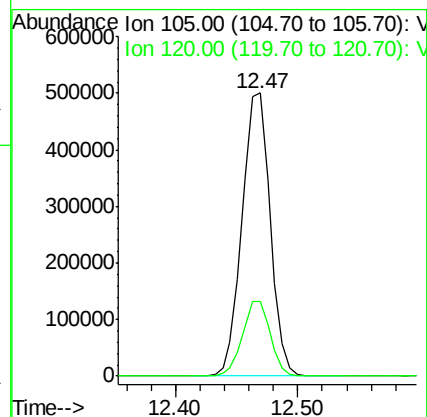
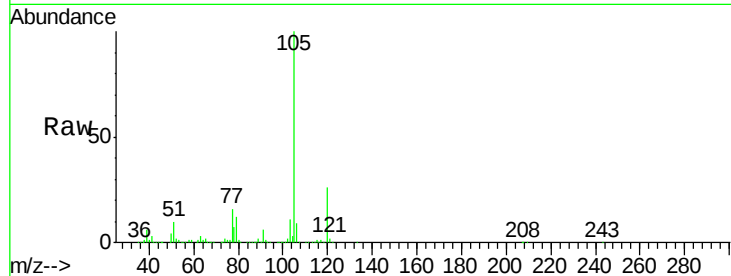
105 100

120 26.3 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 63.831 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion: 43 Resp: 226519

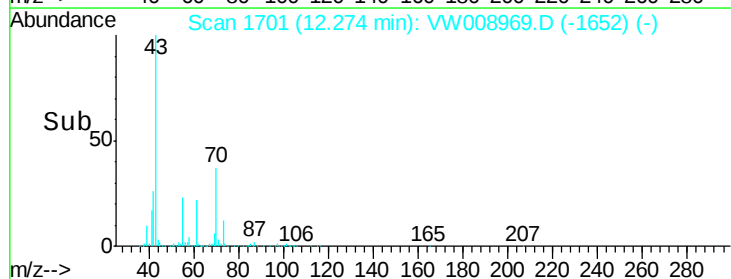
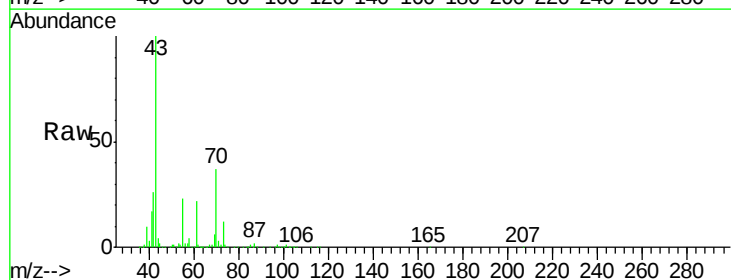
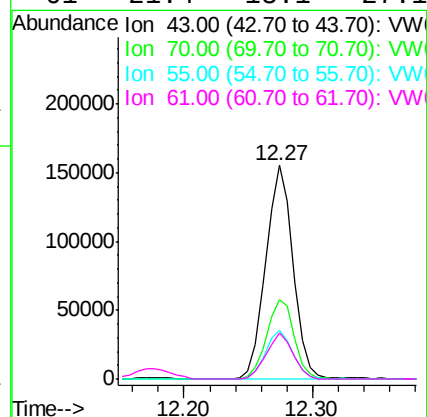
Ion Ratio Lower Upper

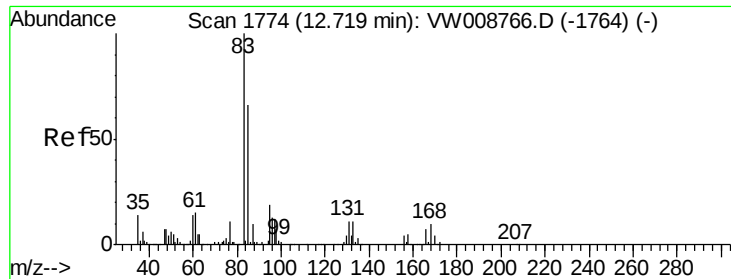
43 100

70 37.9 31.0 46.6

55 23.2 18.7 28.1

61 21.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 60.993 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

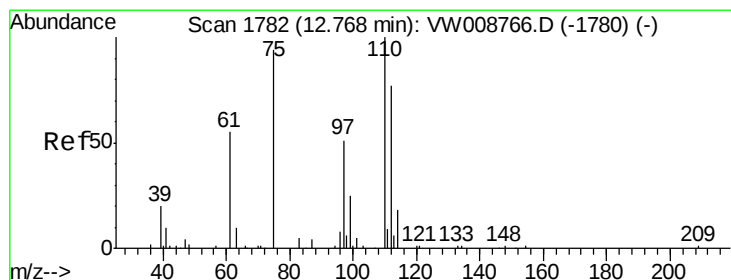
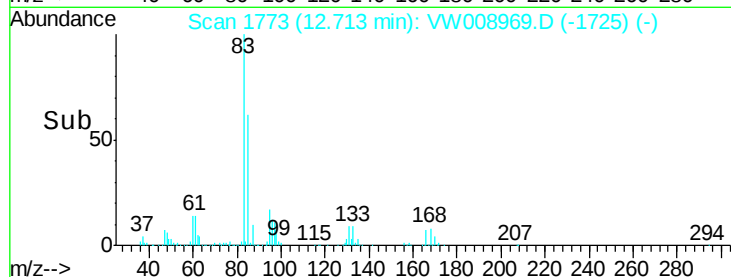
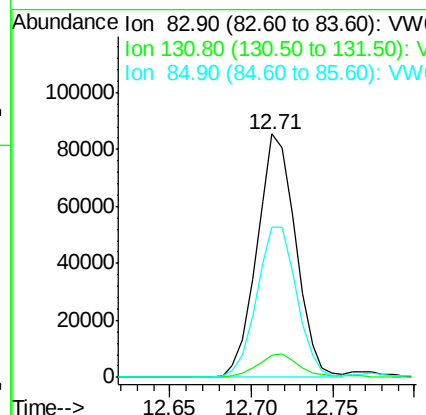
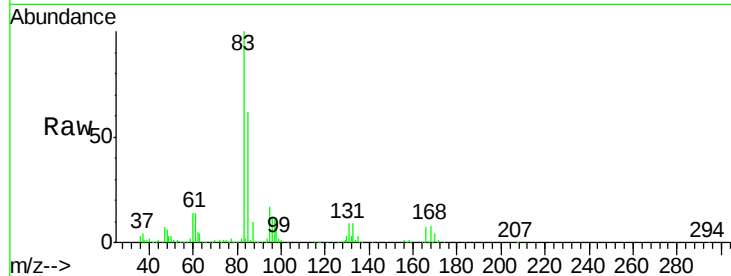
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	140403
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.7
85	63.7	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.567 ug/l m

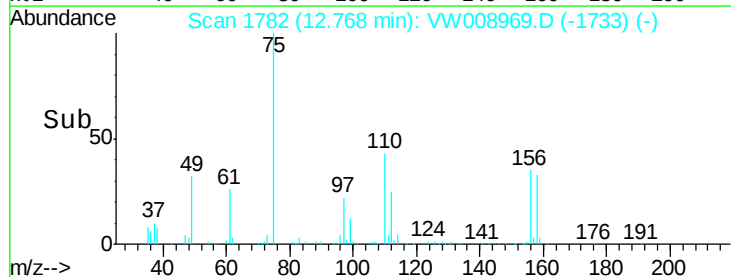
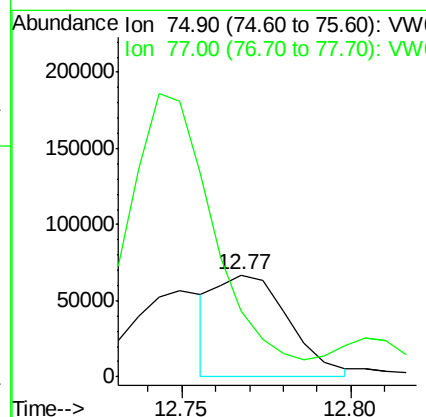
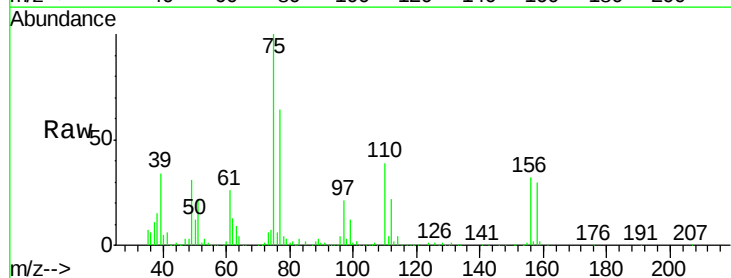
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	75	Resp:	99372
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





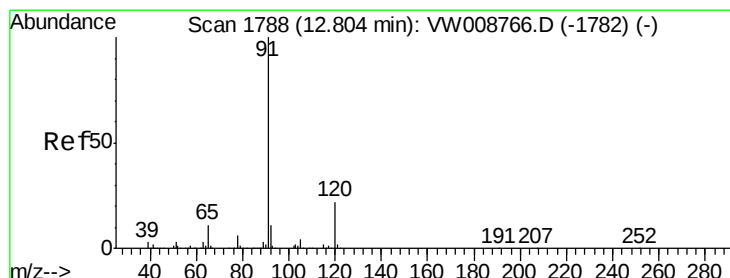
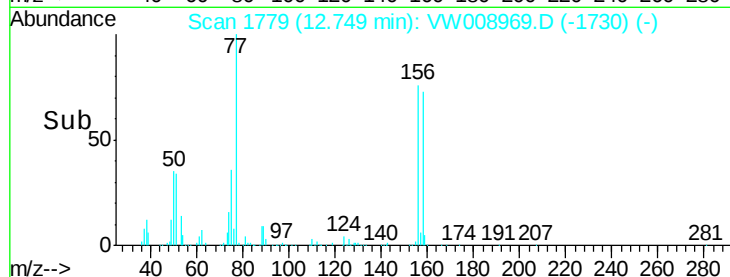
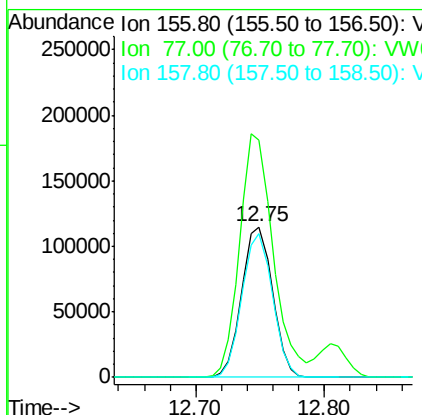
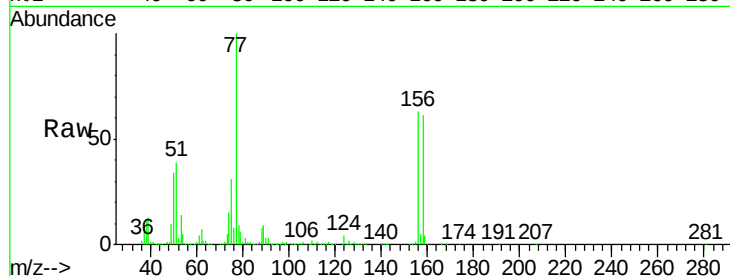
#77
Bromobenzene
Concen: 57.199 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.4	89.1	267.4
158	94.6	49.2	147.6

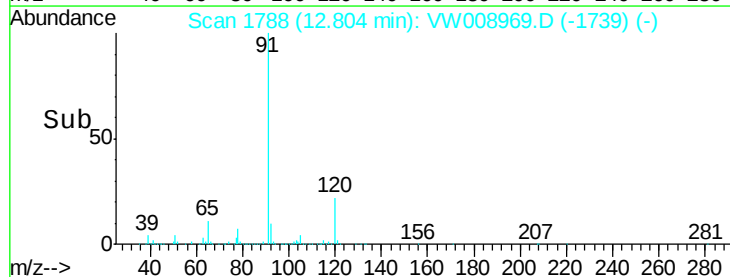
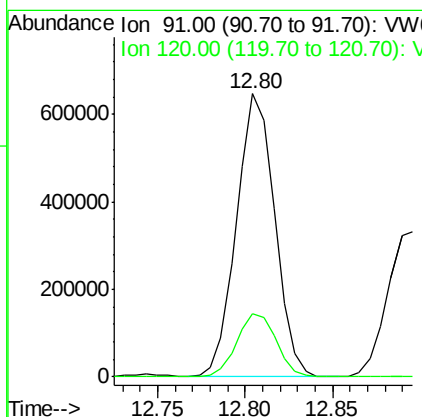
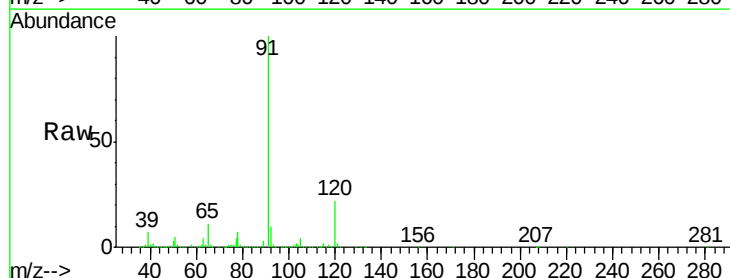
Manual Integrations
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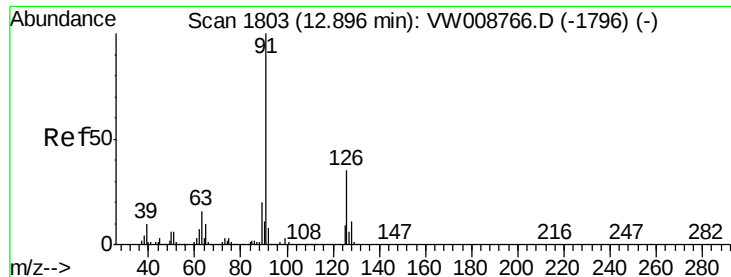
MMDadoda
3/5/2019 11:49:58 PM



#78
n-propylbenzene
Concen: 57.327 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 56.372 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 551560

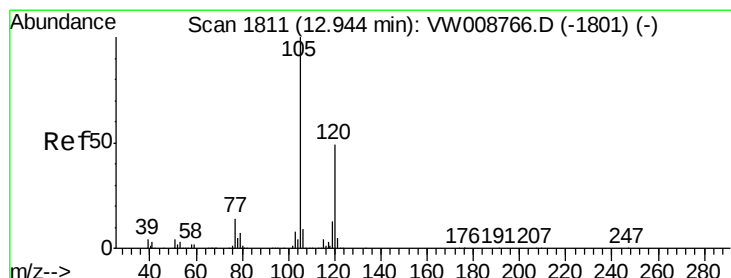
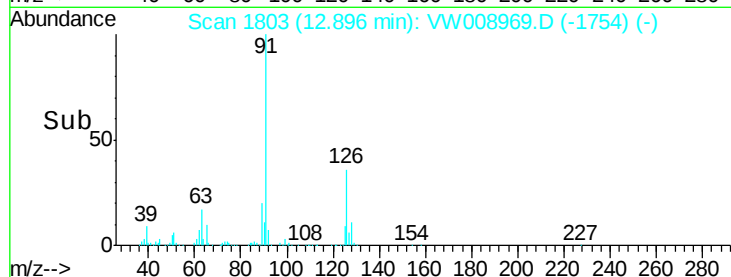
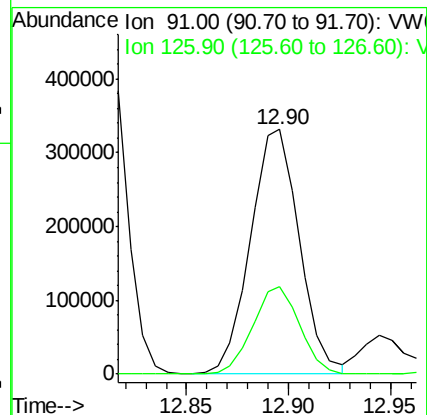
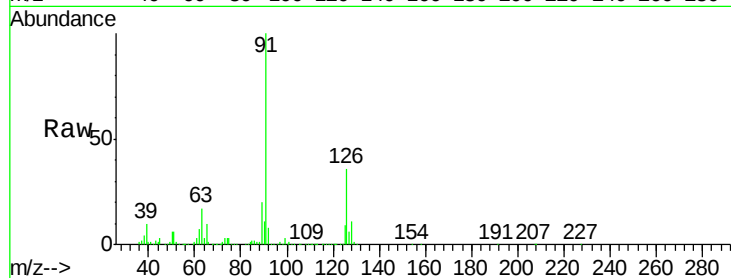
Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 56.420 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008969.D

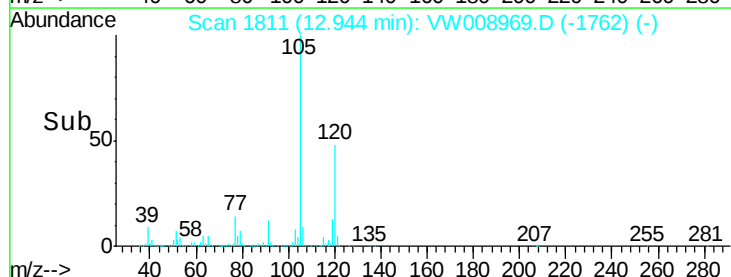
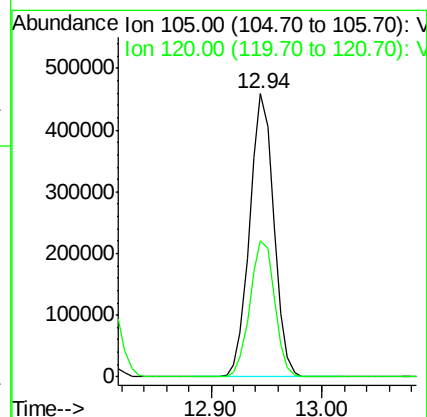
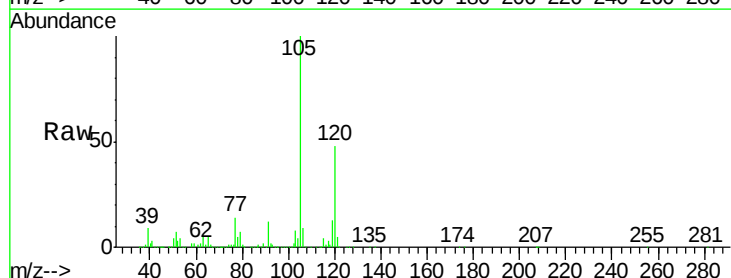
Acq: 04 Mar 2019 18:22

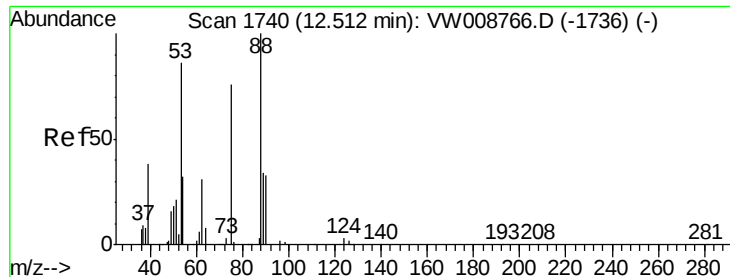
Tgt Ion: 105 Resp: 690745

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.475 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

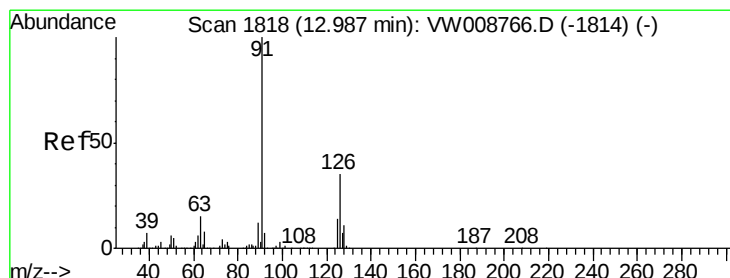
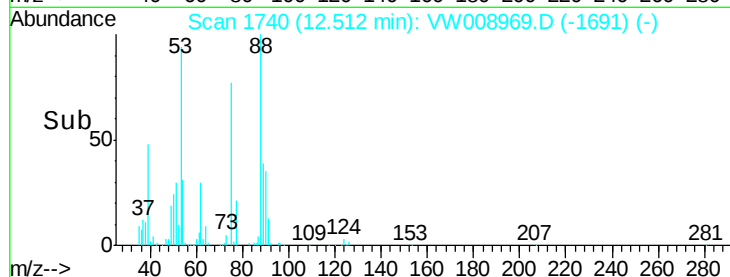
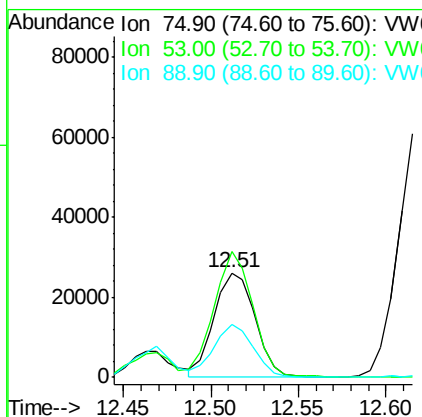
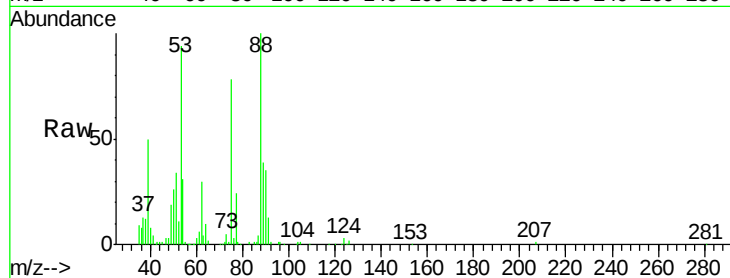
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	42207
Ion	Ratio	Lower	Upper
75	100		
53	117.3	88.2	132.2
89	49.3	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 56.636 ug/l

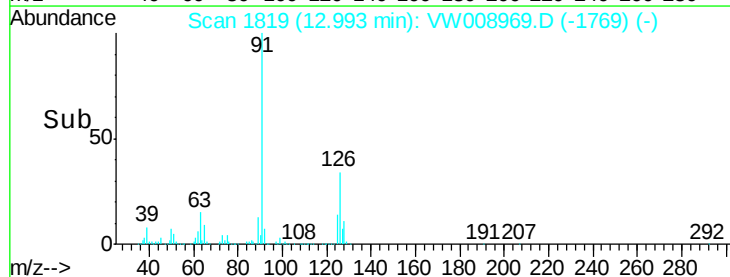
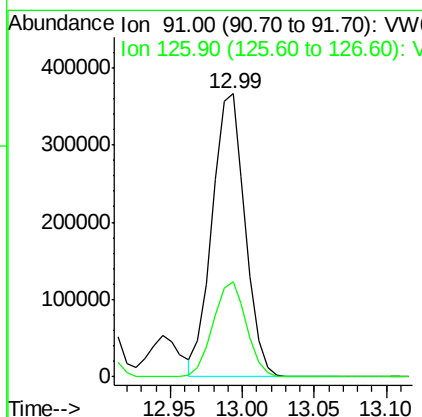
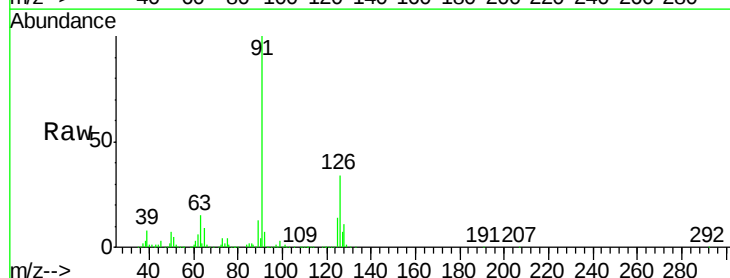
RT: 12.99 min Scan# 1819

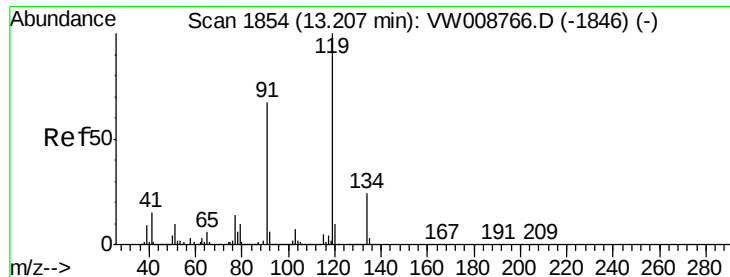
Delta R.T. 0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	91	Resp:	583954
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6





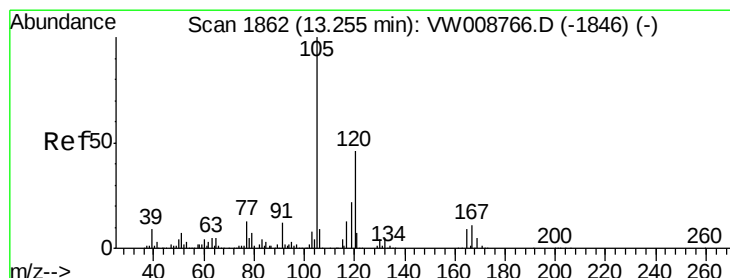
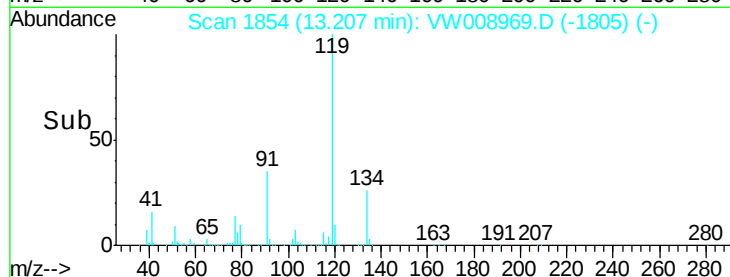
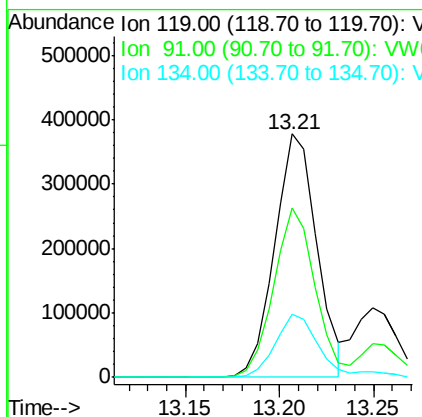
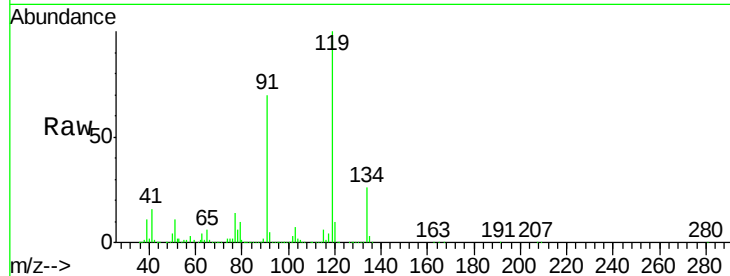
#83
 tert-Butylbenzene
 Concen: 55.332 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.6	100.8
134	27.7	13.7	41.1

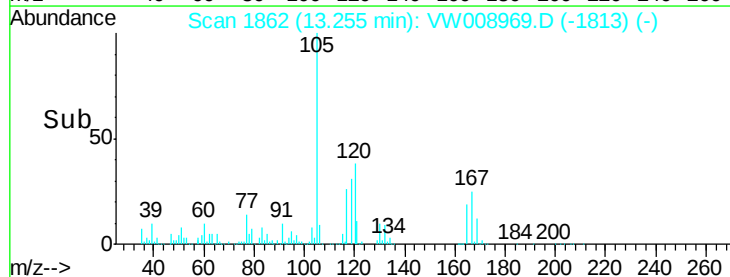
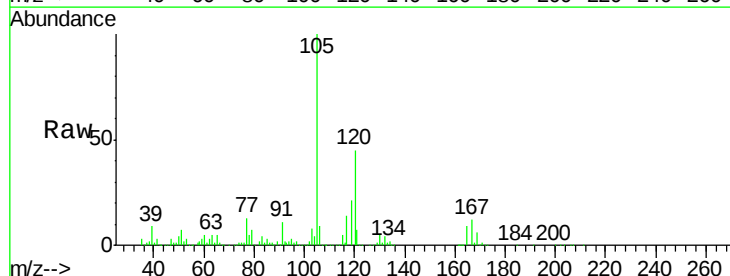
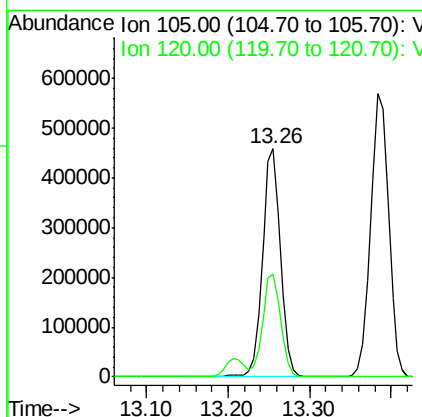
Manual Integrations
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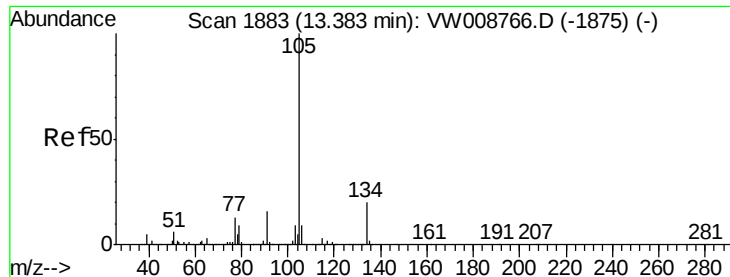
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.683 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 56.844 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 865253

Ion Ratio Lower Upper

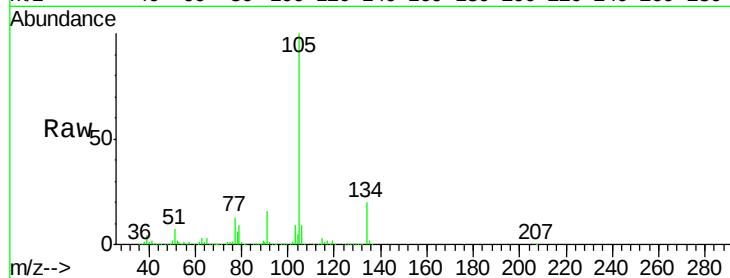
105 100

134 20.4 10.4 31.1

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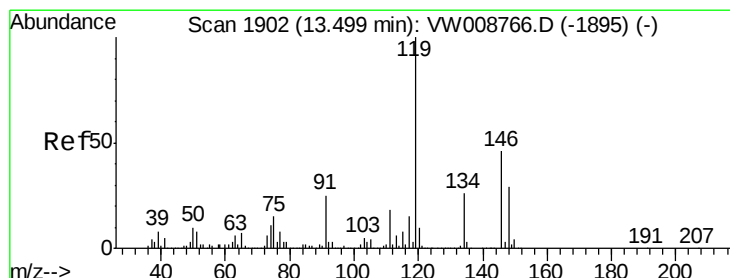
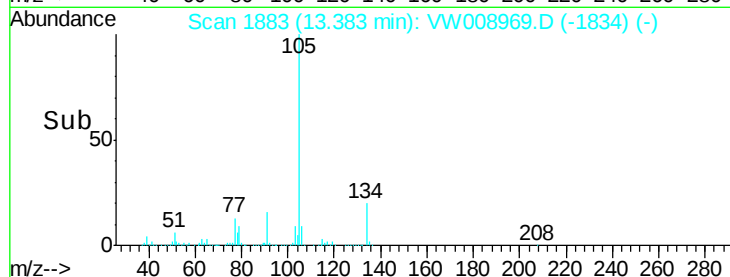
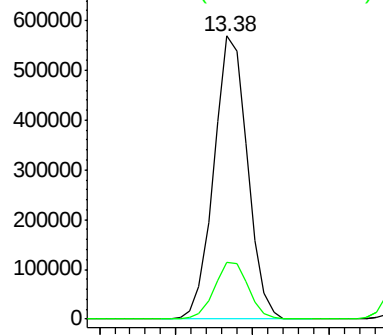
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.241 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

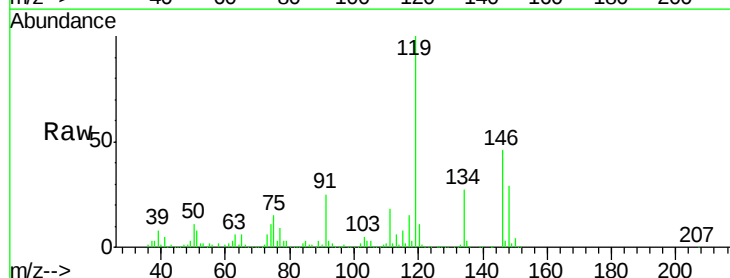
Tgt Ion:119 Resp: 784796

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

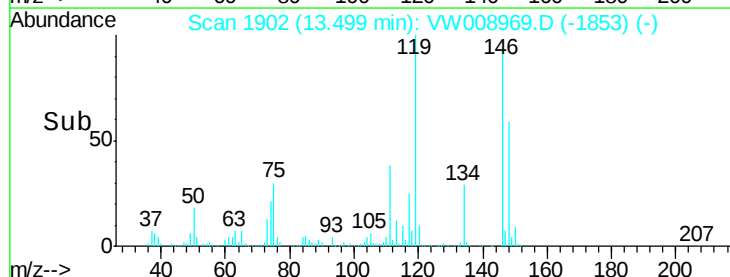
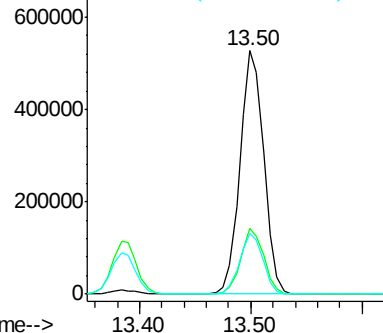
91 24.4 12.1 36.3

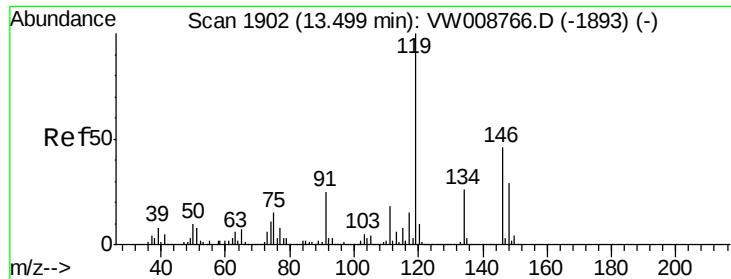


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





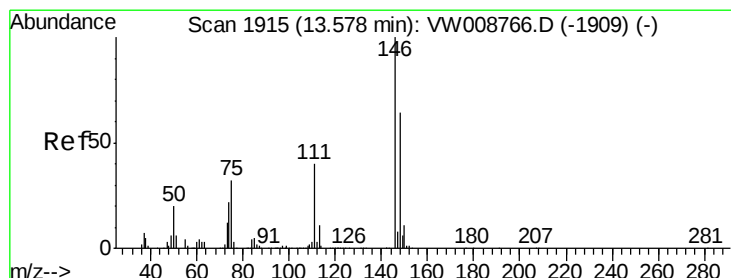
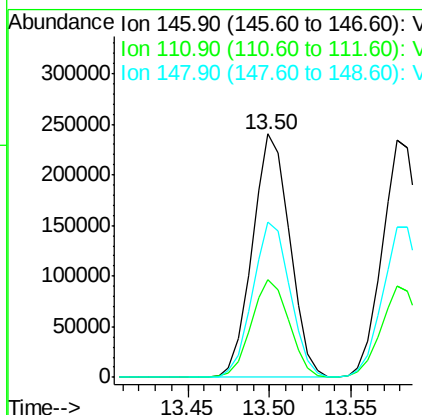
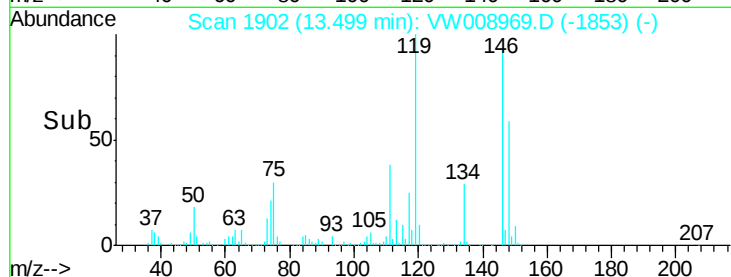
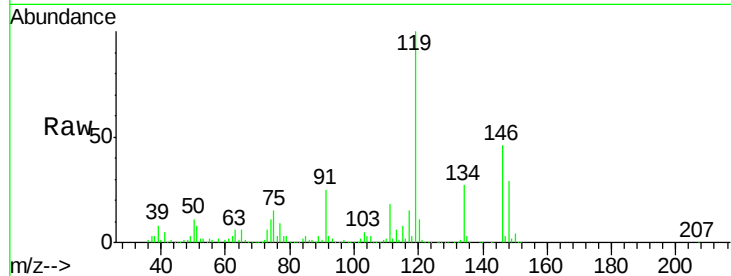
#87
 1,3-Dichlorobenzene
 Concen: 55.579 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.9	31.6	94.8

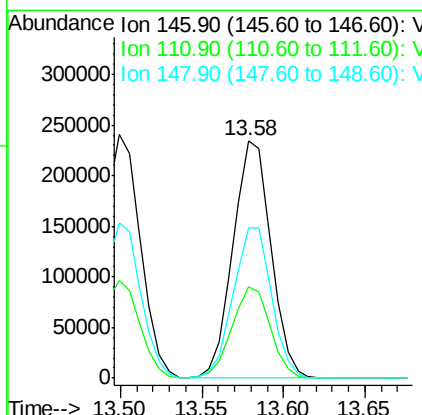
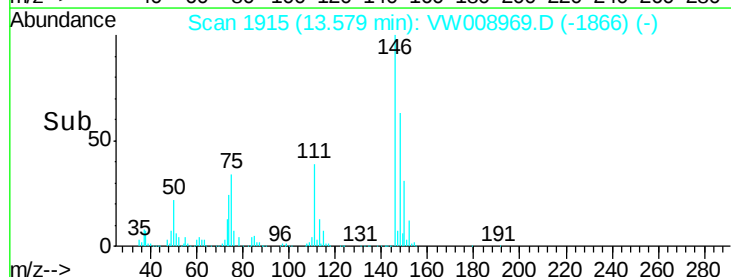
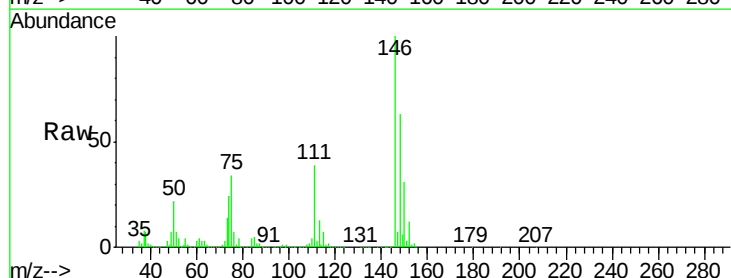
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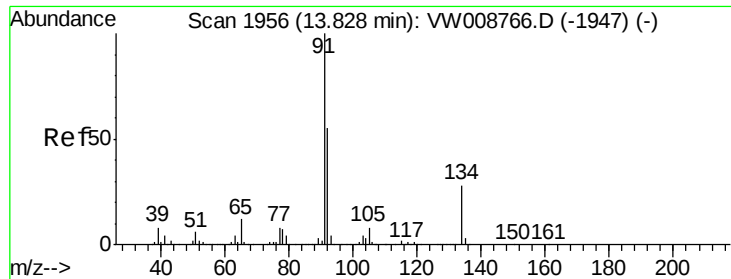
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#88
 1,4-Dichlorobenzene
 Concen: 55.874 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.0	31.9	95.9





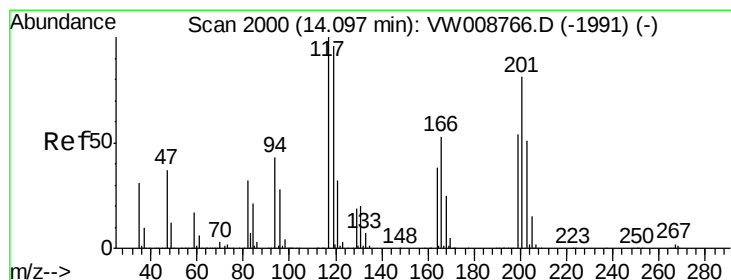
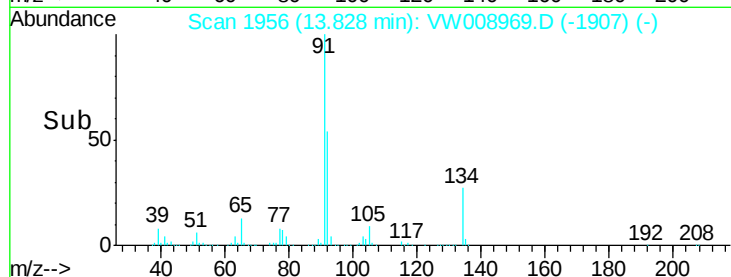
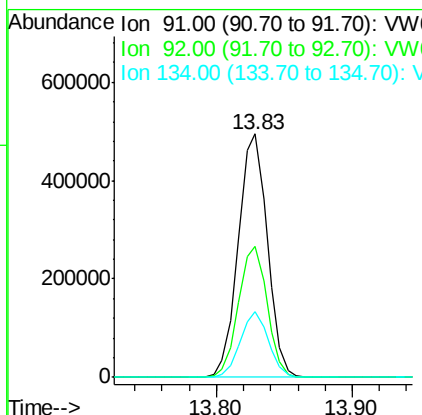
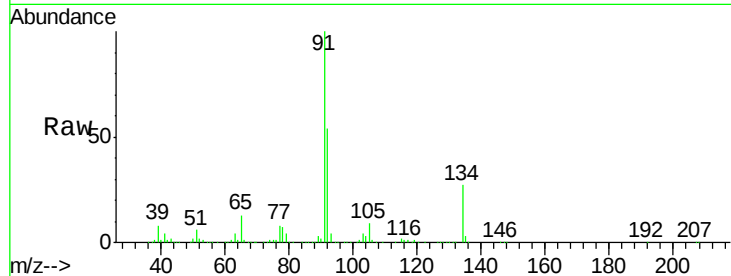
#89
n-Butylbenzene
Concen: 56.527 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.8	80.4	
134	26.2	13.5	40.4	

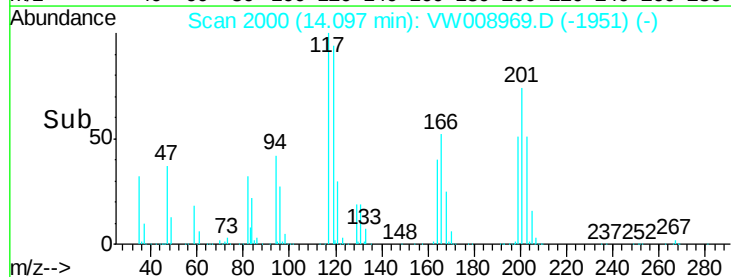
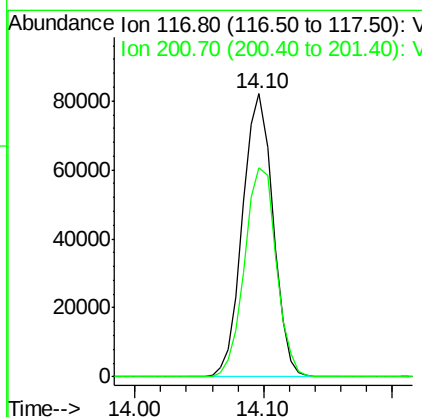
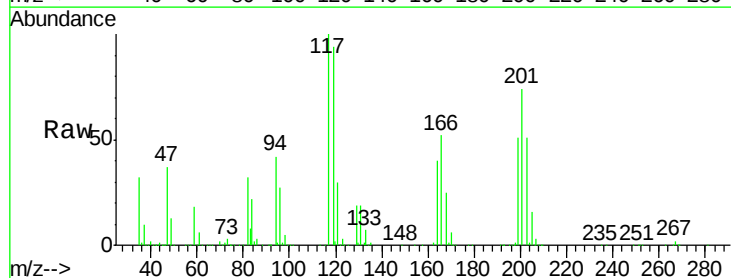
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#90
Hexachloroethane
Concen: 58.704 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.8	40.3	120.8	





#91

1,2-Dichlorobenzene

Concen: 56.656 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

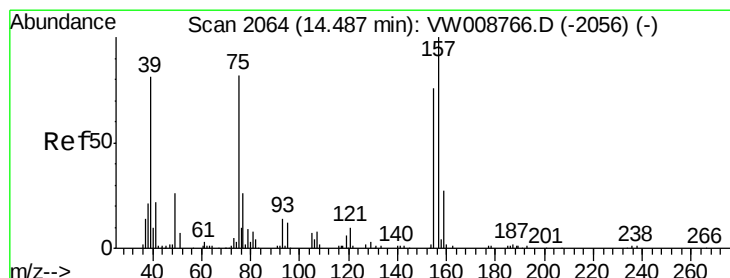
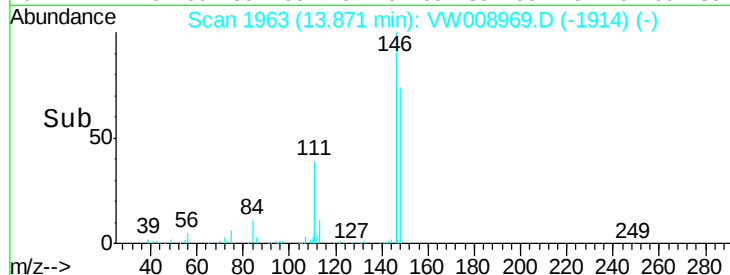
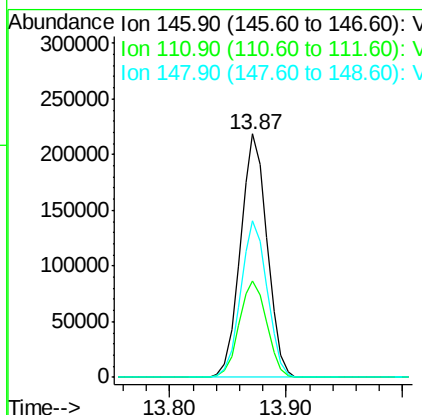
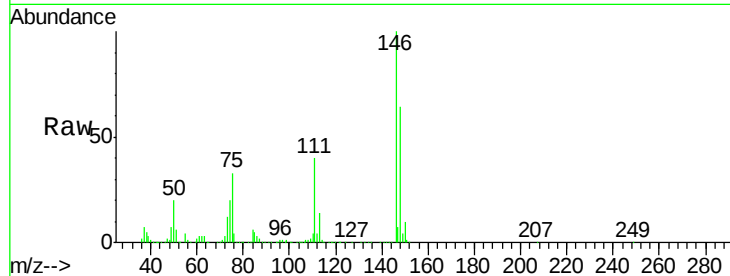
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	348691
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.8
148	63.8	32.5	97.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 67.640 ug/l

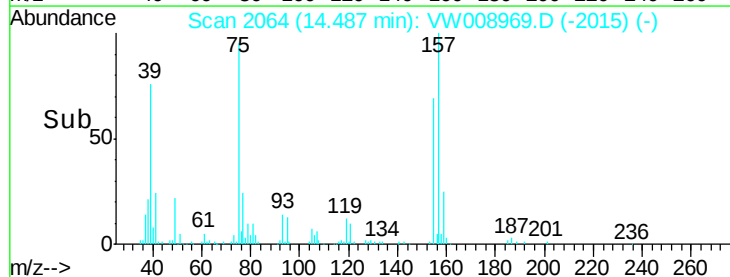
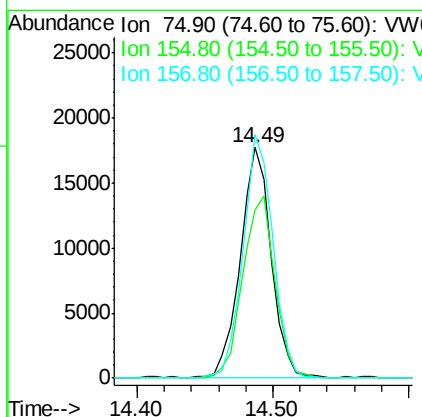
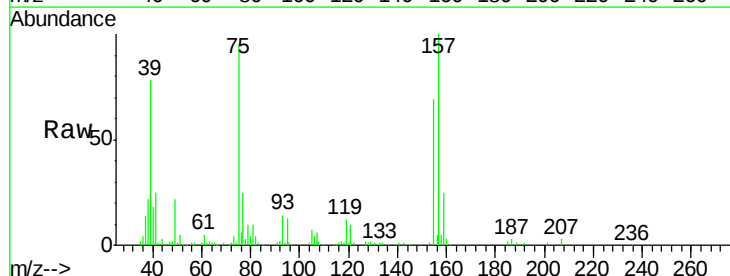
RT: 14.49 min Scan# 2064

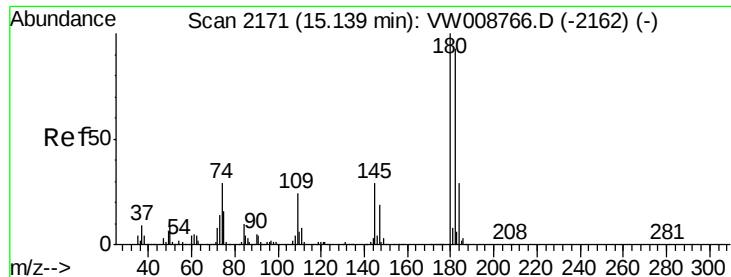
Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion:	75	Resp:	28166
Ion Ratio	Lower	Upper	
75	100		
155	81.9	41.8	125.4
157	102.5	56.6	169.9





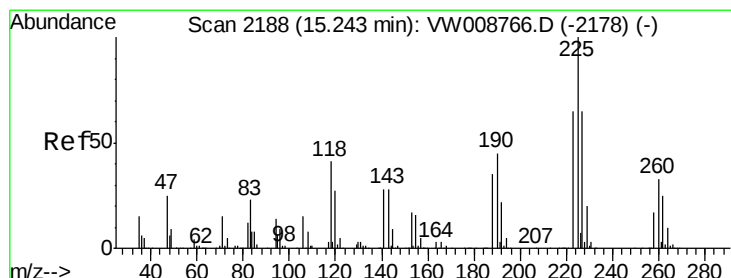
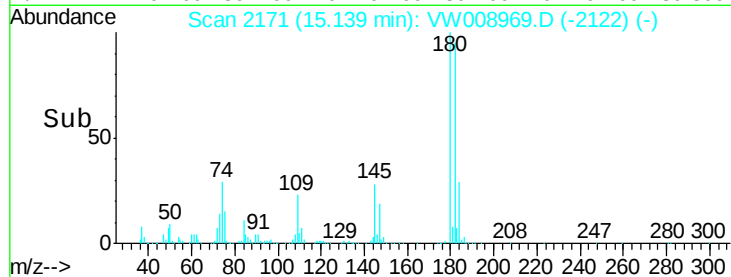
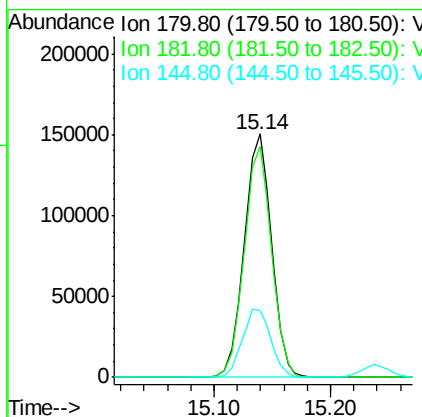
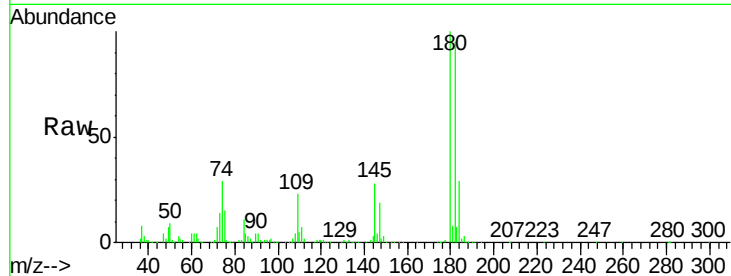
#93
 1,2,4-Trichlorobenzene
 Concen: 55.542 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	246300		
182	94.9	47.2	141.6	
145	29.5	14.4	43.0	

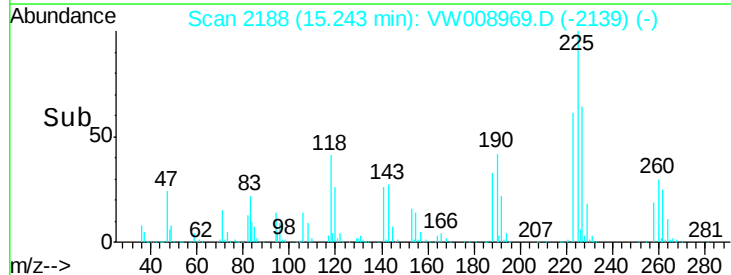
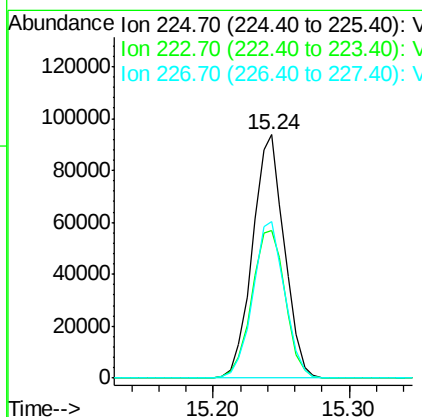
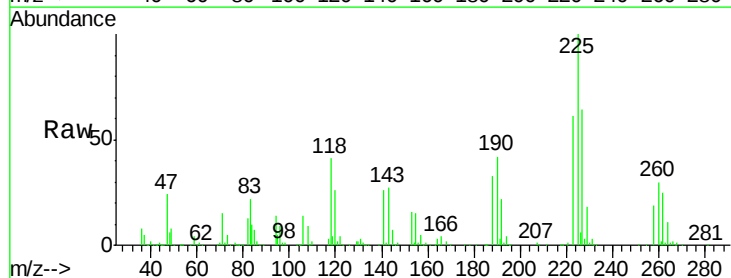
Manual Integrations
 APPROVED

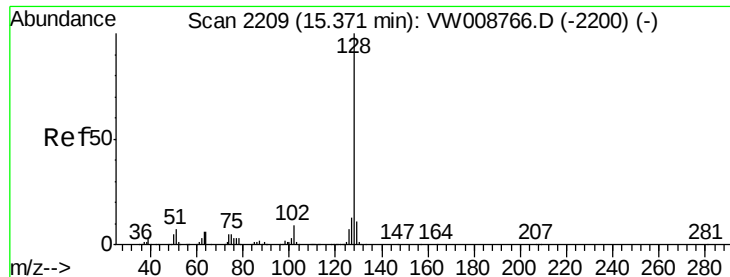
MMDadoda
 3/5/2019 11:49:58 PM



#94
 Hexachlorobutadiene
 Concen: 58.903 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153856		
223	63.6	31.5	94.5	
227	64.2	31.6	94.8	





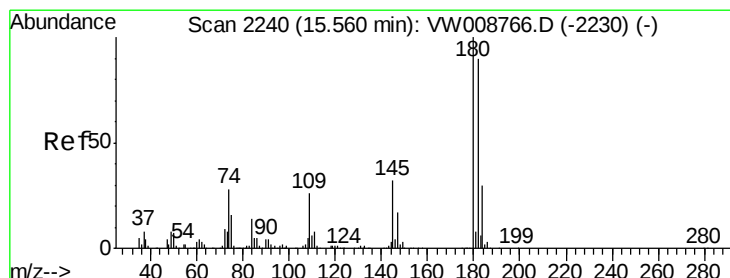
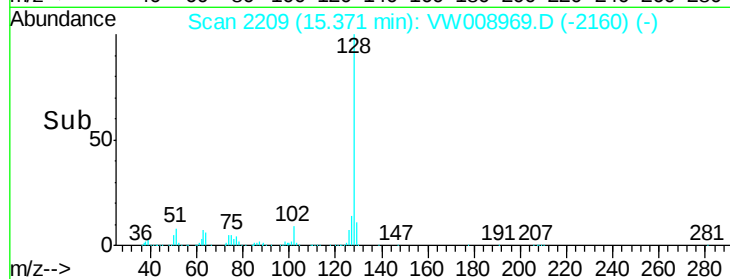
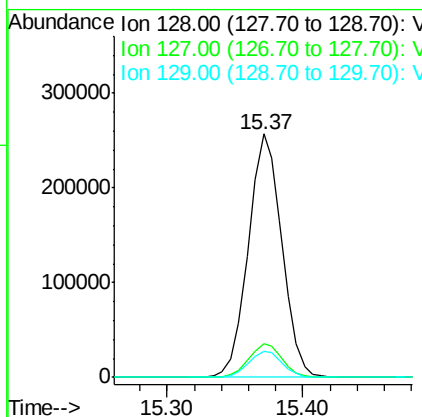
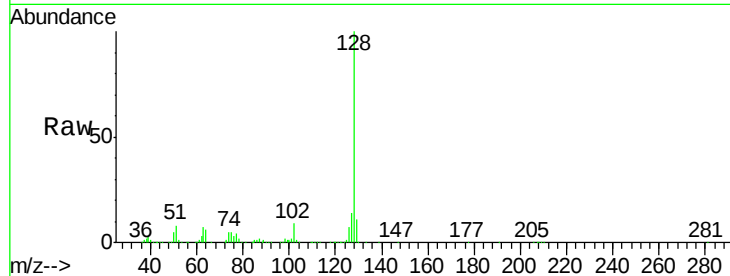
#95
Naphthalene
Concen: 58.655 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 11:49:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.475 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.8
145	31.9	15.9	47.6

