

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012744.D
 Acq On : 08 Sep 2019 03:40
 Operator : SY/VA
 Sample : VW0907SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:15 PM

Quant Time: Sep 08 05:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	159273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148359	58.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.44%	
35) Dibromofluoromethane	7.88	113	110829	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.32	98	438362	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	155758	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24134	19.520	ug/l	96
3) Chloromethane	2.21	50	29439	19.592	ug/l	97
4) Vinyl Chloride	2.36	62	33780	18.335	ug/l	99
5) Bromomethane	2.77	94	20635	20.626	ug/l	93
6) Chloroethane	2.92	64	19774	17.986	ug/l	99
7) Trichlorofluoromethane	3.25	101	18282	14.380	ug/l	96
8) Diethyl Ether	3.68	74	19169	17.939	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32027	16.052	ug/l	97
10) Methyl Iodide	4.27	142	44927	17.888	ug/l	97
11) Tert butyl alcohol	5.20	59	15079	77.341	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	30079	15.971	ug/l	95
13) Acrolein	3.89	56	10908	52.722	ug/l	95
14) Allyl chloride	4.66	41	63959	16.416	ug/l	97
15) Acrylonitrile	5.37	53	52334	83.853	ug/l	99
16) Acetone	4.14	43	43503	62.621	ug/l	98
17) Carbon Disulfide	4.37	76	68379	17.104	ug/l	99
18) Methyl Acetate	4.67	43	32302	19.819	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	69547	18.619	ug/l	95
20) Methylene Chloride	4.91	84	40739	18.745	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35860	18.660	ug/l	90
22) Diisopropyl ether	6.31	45	162822	21.071	ug/l	95
23) Vinyl Acetate	6.25	43	468698	95.708	ug/l	98
24) 1,1-Dichloroethane	6.21	63	86884	20.882	ug/l	98
25) 2-Butanone	7.17	43	82108	93.633	ug/l	95
26) 2,2-Dichloropropane	7.16	77	45411	17.280	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	48518	21.774	ug/l	97
28) Bromochloromethane	7.51	49	40251	21.068	ug/l	97
29) Tetrahydrofuran	7.53	42	54155	96.534	ug/l	99
30) Chloroform	7.67	83	90033	21.834	ug/l	98
31) Cyclohexane	7.95	56	70260	18.757	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	68846	20.597	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61814	19.210	ug/l	98
37) Ethyl Acetate	7.26	43	38592	18.814	ug/l	99
38) Carbon Tetrachloride	8.07	117	59294	18.693	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62072	17.175	ug/l	99
40) Benzene	8.32	78	183119	20.511	ug/l	100
41) Methacrylonitrile	7.48	41	23408	19.337	ug/l	93
42) 1,2-Dichloroethane	8.40	62	65366	20.804	ug/l	99
43) Isopropyl Acetate	8.42	43	72947	18.771	ug/l	97
44) Trichloroethene	9.09	130	44260	19.232	ug/l	93
45) 1,2-Dichloropropane	9.37	63	49524	20.000	ug/l	99
46) Dibromomethane	9.46	93	24081	20.537	ug/l	100
47) Bromodichloromethane	9.64	83	65474	20.296	ug/l	99
48) Methyl methacrylate	9.43	41	33682	18.136	ug/l	99
49) 1,4-Dioxane	9.47	88	8062	348.081	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	188249	92.314	ug/l	100
52) Toluene	10.38	92	110892	19.901	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	60811	18.332	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	70913	18.845	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34498	19.652	ug/l	95
56) Ethyl methacrylate	10.65	69	49430	19.236	ug/l	98
57) 1,3-Dichloropropane	10.93	76	64062	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	132566	97.177	ug/l	99
59) 2-Hexanone	10.97	43	126106	84.645	ug/l	98
60) Dibromochloromethane	11.13	129	39832	19.293	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32738	20.342	ug/l	99
64) Tetrachloroethene	10.86	164	41093	21.023	ug/l	100
65) Chlorobenzene	11.65	112	119932	19.698	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44303	19.539	ug/l	99
67) Ethyl Benzene	11.73	91	213603	18.699	ug/l	99
68) m/p-Xylenes	11.84	106	160721	38.978	ug/l	99
69) o-Xylene	12.16	106	75562	19.424	ug/l	99
70) Styrene	12.18	104	133976	19.490	ug/l	99
71) Bromoform	12.35	173	23509	18.662	ug/l #	97
73) Isopropylbenzene	12.46	105	205834	18.018	ug/l	100
74) N-amyl acetate	12.27	43	62830	17.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41687	18.171	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27922m	17.144	ug/l	
77) Bromobenzene	12.74	156	50788	19.624	ug/l	95
78) n-propylbenzene	12.80	91	249473	18.260	ug/l	100
79) 2-Chlorotoluene	12.89	91	150354	19.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	185546	19.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11777	15.294	ug/l	93
82) 4-Chlorotoluene	12.99	91	157748	19.014	ug/l	99
83) tert-Butylbenzene	13.21	119	158294	18.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	183882	18.958	ug/l	97
85) sec-Butylbenzene	13.38	105	214049	18.123	ug/l	100
86) p-Isopropyltoluene	13.50	119	198105	18.363	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98782	19.418	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	97187	19.200	ug/l	99
89) n-Butylbenzene	13.82	91	181875	17.366	ug/l	99
90) Hexachloroethane	14.09	117	35191	18.686	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	85111	18.589	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7159	17.052	ug/l	97

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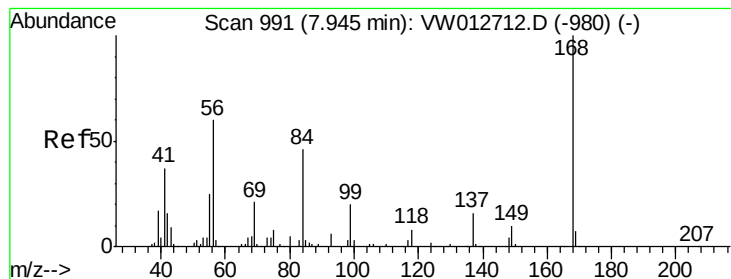
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59032	18.518	ug/l	97
94) Hexachlorobutadiene	15.24	225	39465	17.886	ug/l	98
95) Naphthalene	15.36	128	108965	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	48320	17.172	ug/l	100

(#) = 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. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:168 Resp: 228064

Ion Ratio Lower Upper

168 100

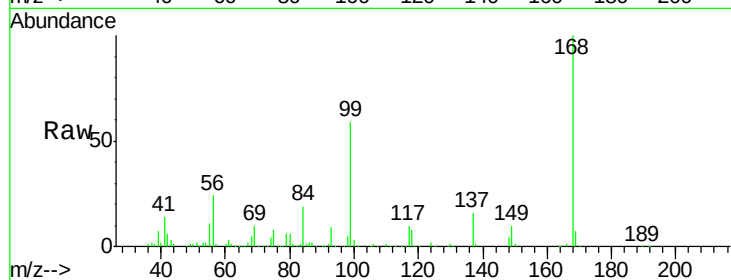
99 59.3 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

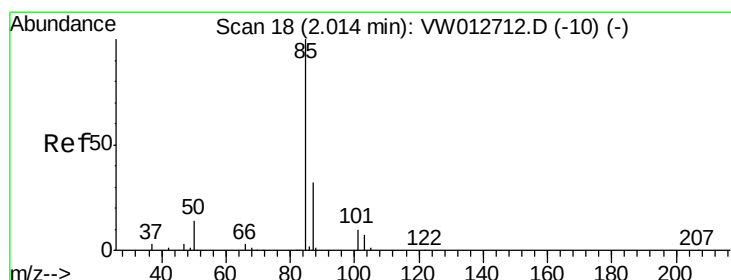
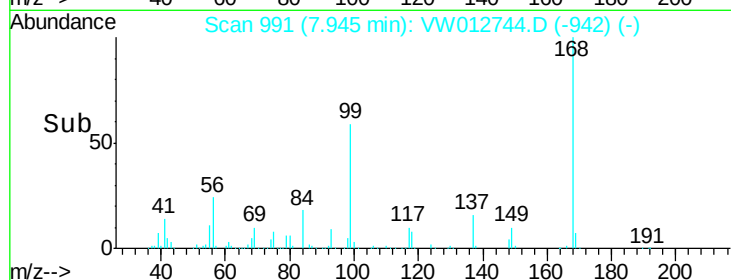
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.520 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012744.D

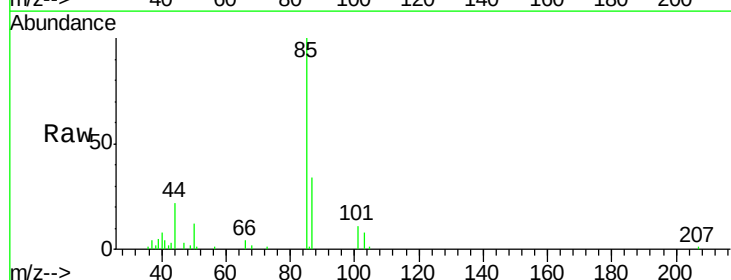
Acq: 08 Sep 2019 03:40

Tgt Ion: 85 Resp: 24134

Ion Ratio Lower Upper

85 100

87 33.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

4000

2000

0

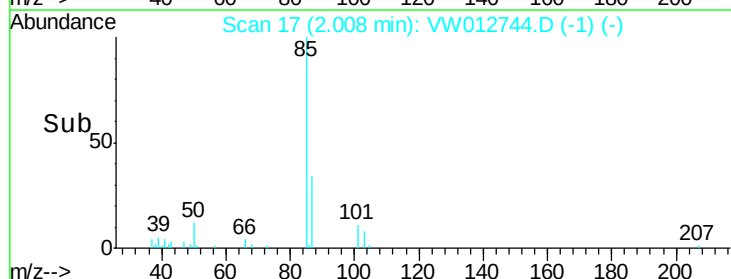
1.90

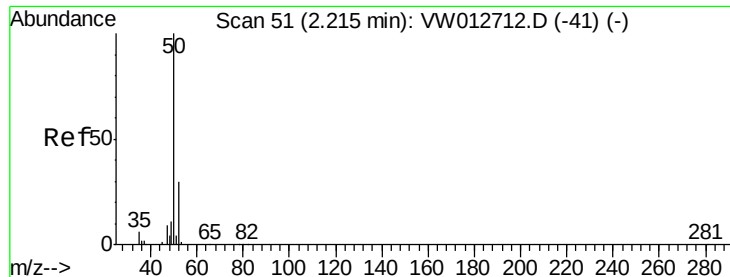
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 19.592 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 50 Resp: 29439

Ion Ratio Lower Upper

50 100

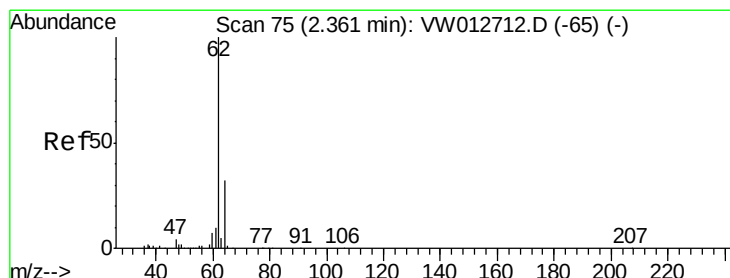
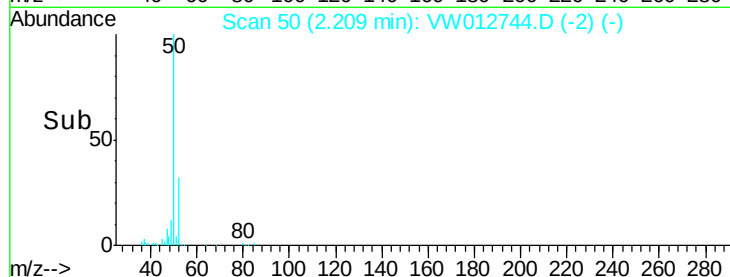
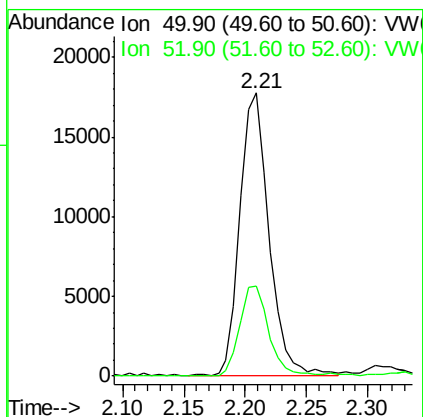
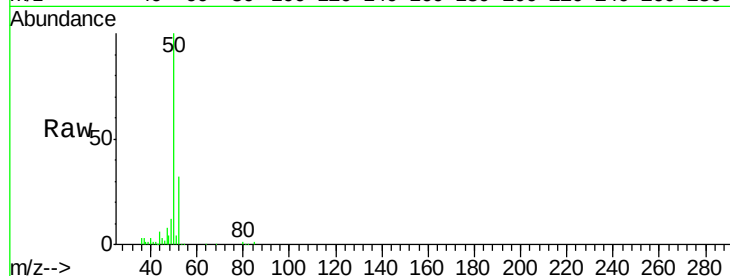
52 31.9 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.335 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012744.D

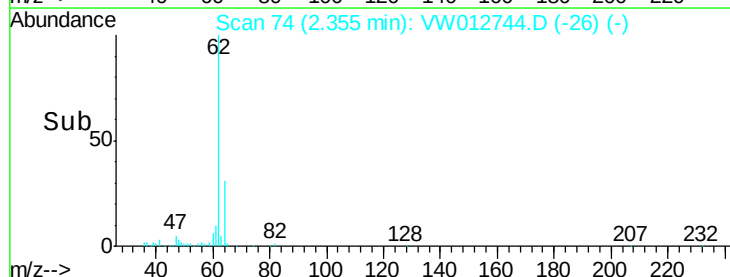
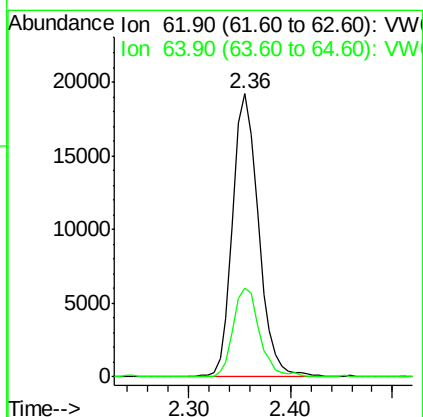
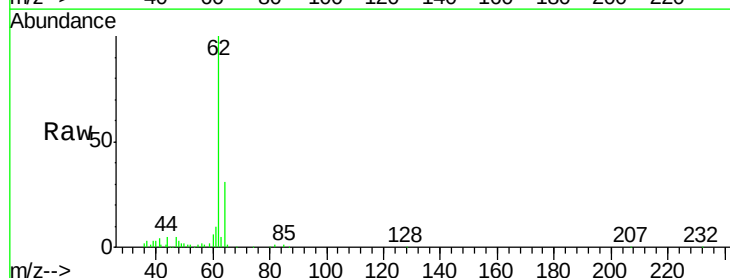
Acq: 08 Sep 2019 03:40

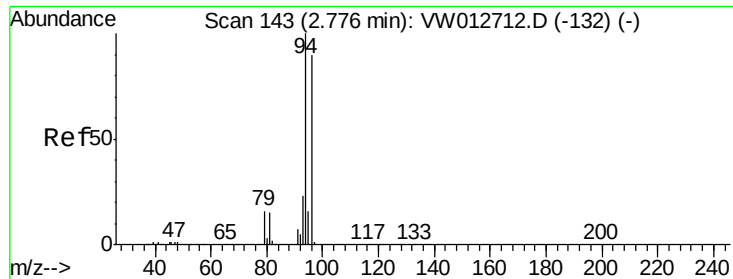
Tgt Ion: 62 Resp: 33780

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 20.626 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 94 Resp: 20635

Ion Ratio Lower Upper

94 100

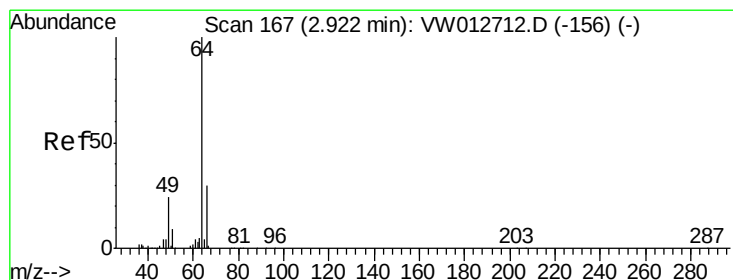
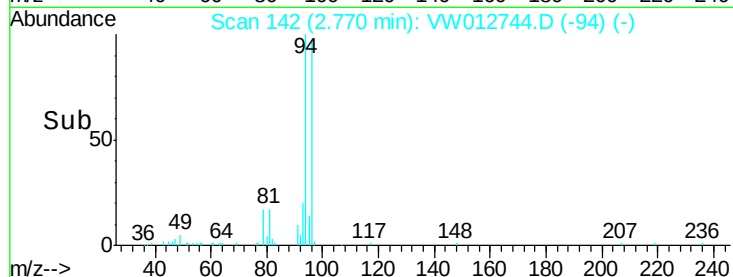
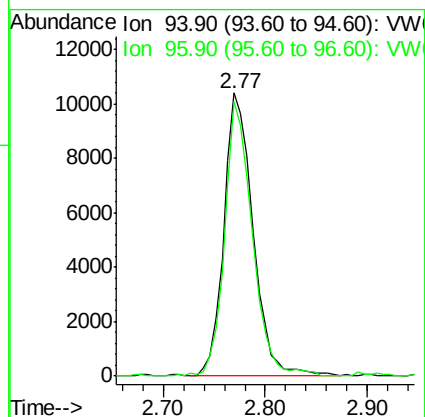
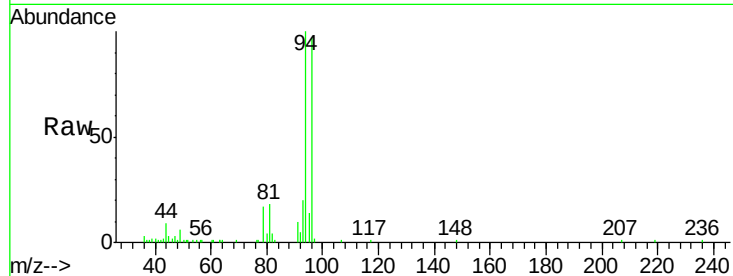
96 96.9 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 17.986 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012744.D

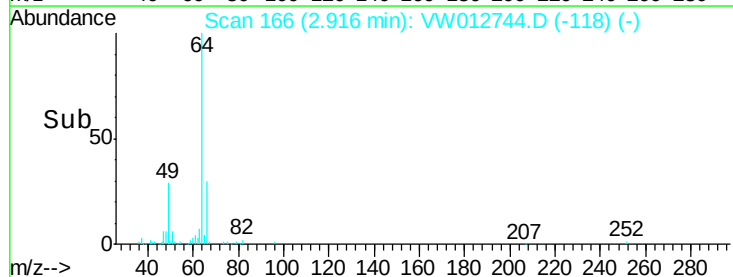
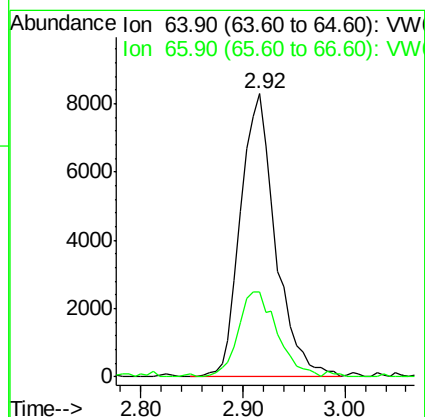
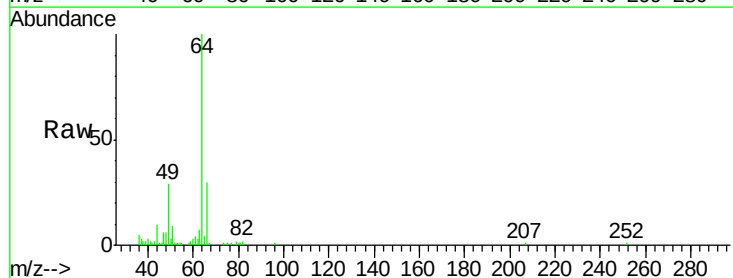
Acq: 08 Sep 2019 03:40

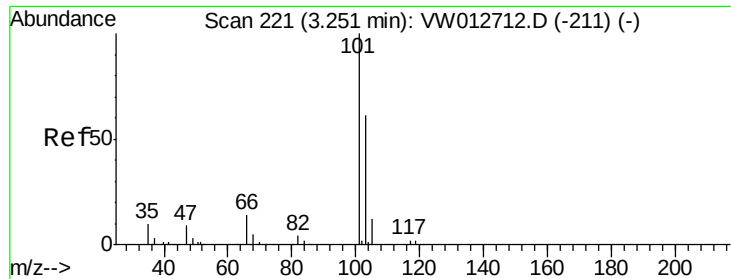
Tgt Ion: 64 Resp: 19774

Ion Ratio Lower Upper

64 100

66 29.2 23.8 35.6





#7

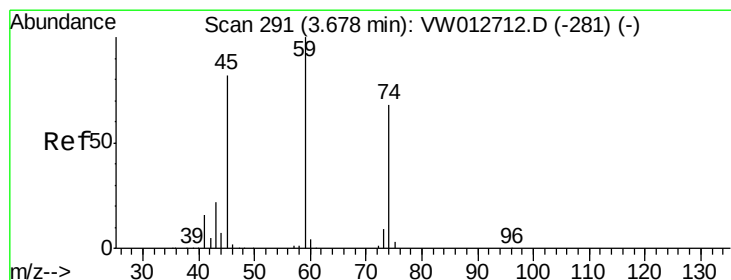
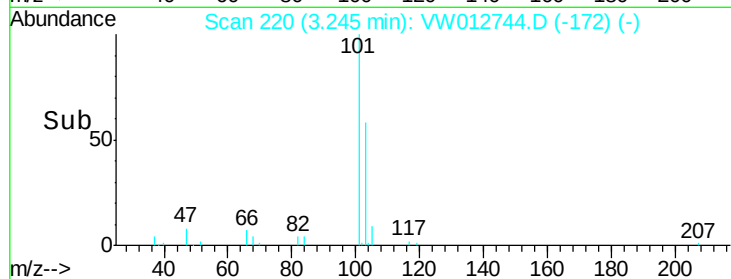
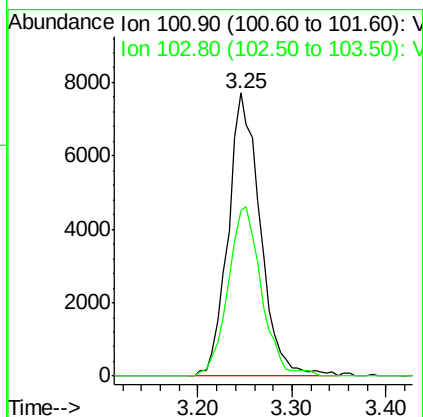
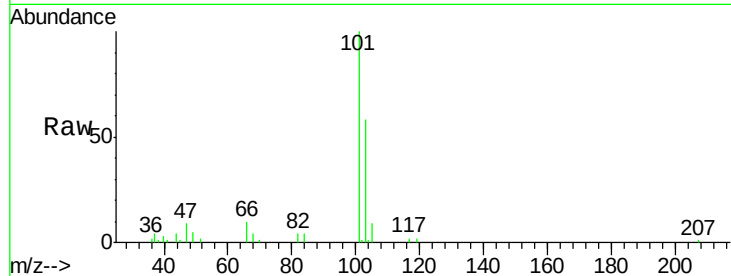
Trichlorofluoromethane
 Concen: 14.380 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
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 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.3	49.0	73.4

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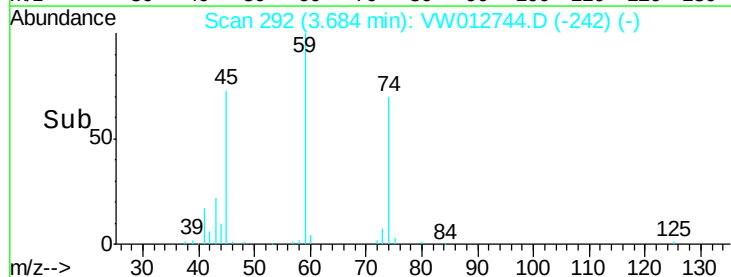
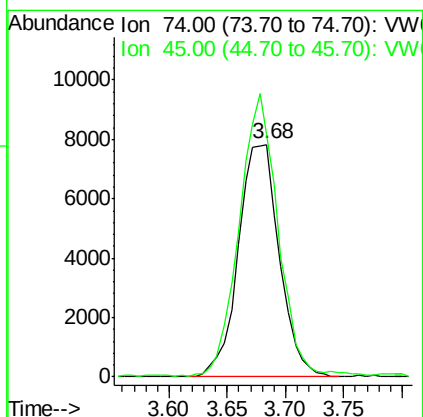
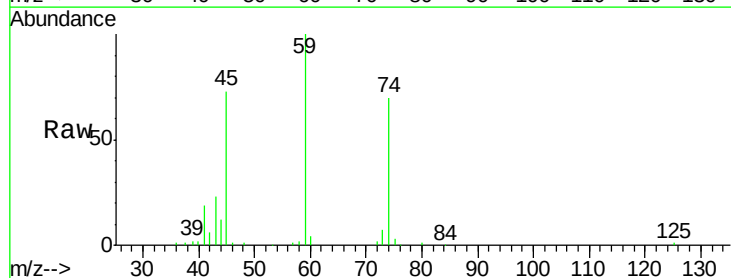
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 9/10/2019 1:03:15 PM

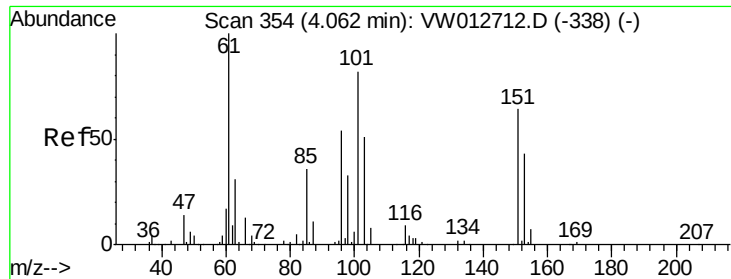


#8

Diethyl Ether
 Concen: 17.939 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.8	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.052 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

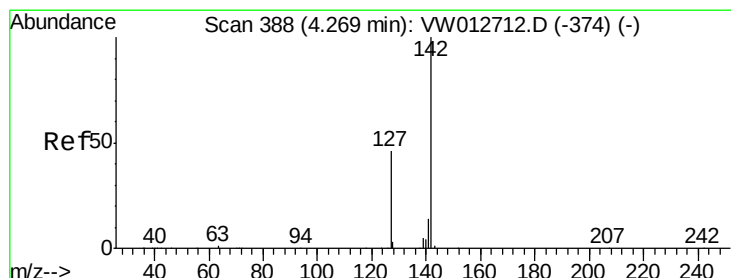
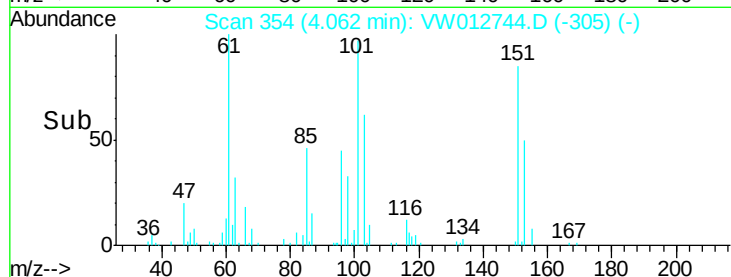
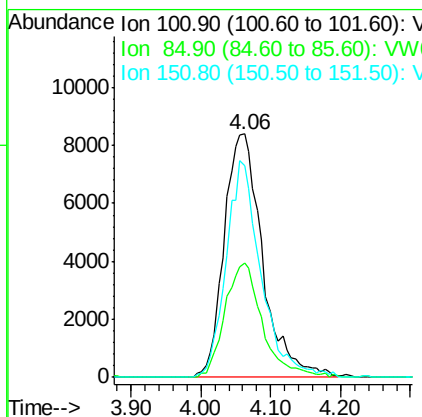
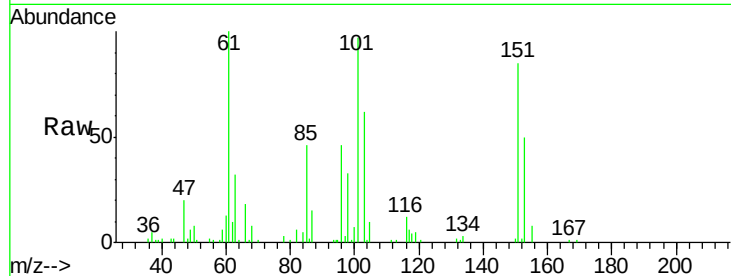
ClientSampleId :

VW0907SBS02

Tot Ion:	101	Resp:	32027
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.2	54.2
151	80.8	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.888 ug/l

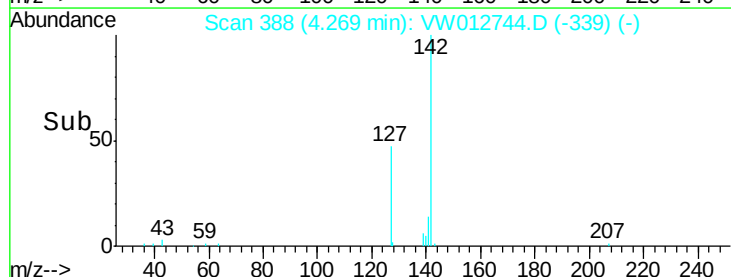
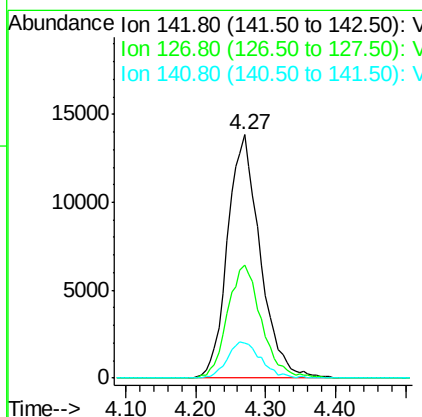
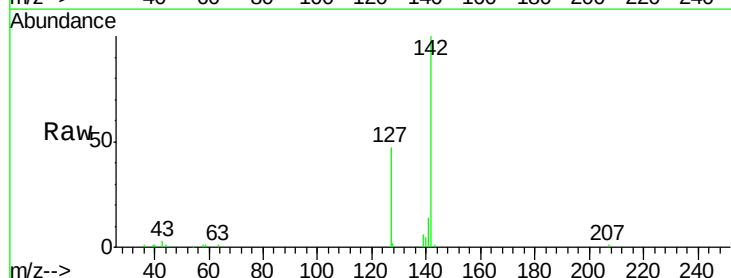
RT: 4.27 min Scan# 388

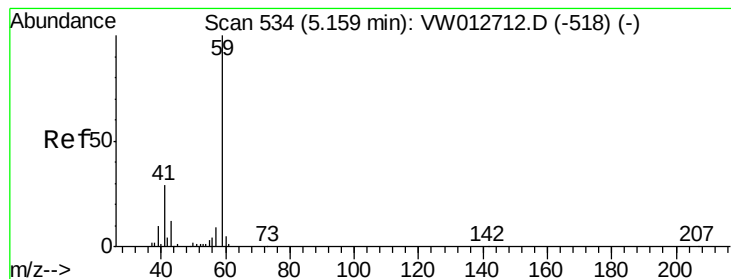
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	142	Resp:	44927
Ion Ratio	Lower	Upper	
142	100		
127	48.0	36.0	54.0
141	15.2	12.2	18.4





#11

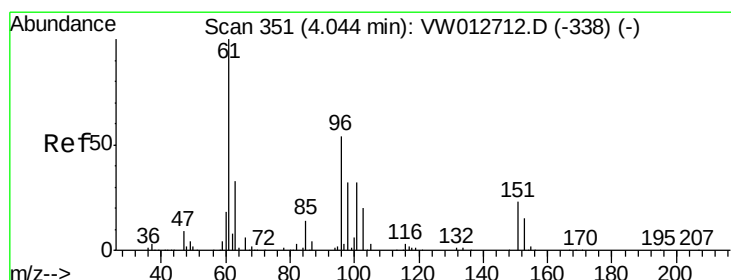
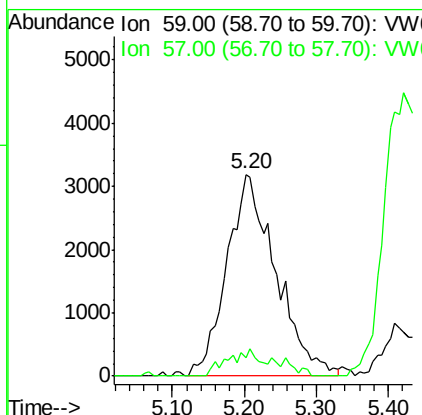
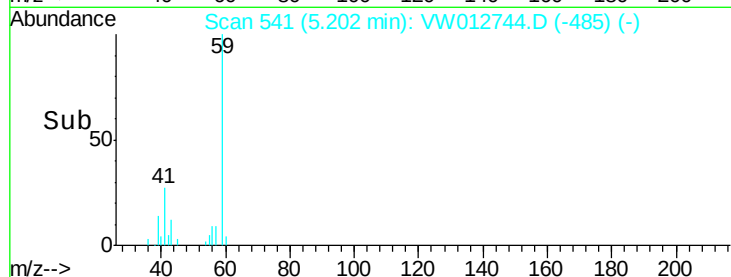
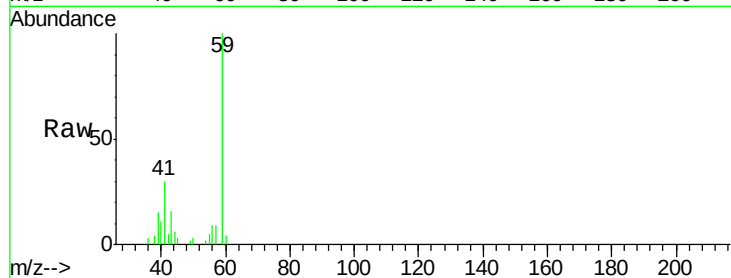
Tert butyl alcohol
 Concen: 77.341 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	59	57	Ratio	100	3.7	Resp:	15079	Lower	8.2	Upper	12.4#

Manual Integrations
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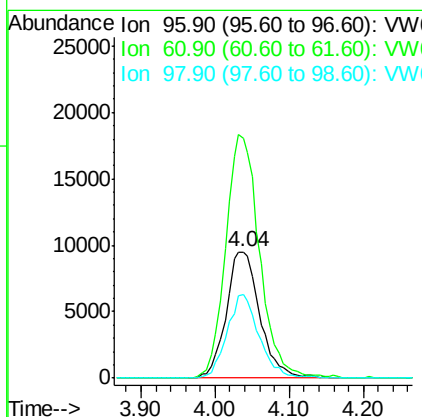
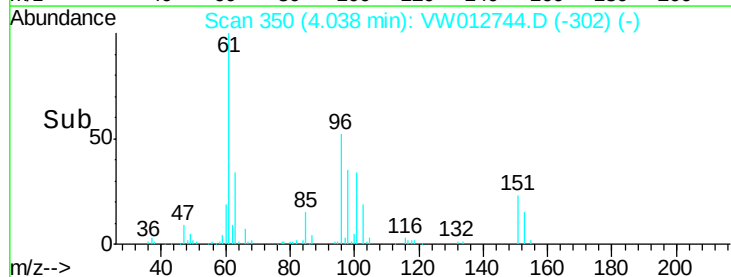
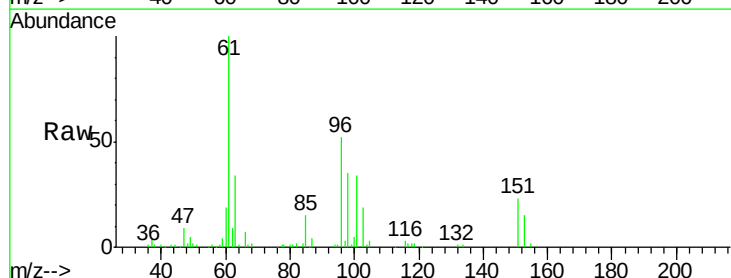
MMDadoda
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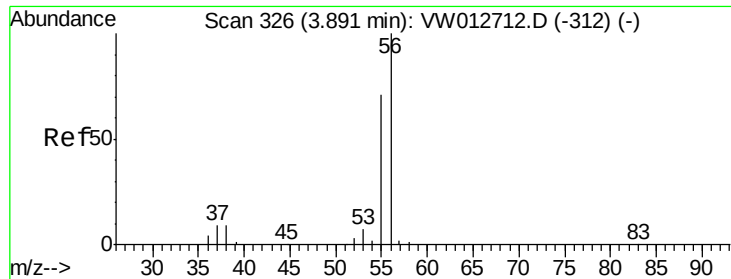


#12

1,1-Dichloroethene
 Concen: 15.971 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	96	61	98	Ratio	100	190.6	65.9	Resp:	30079	Lower	147.8	47.9	Upper	221.6	71.9





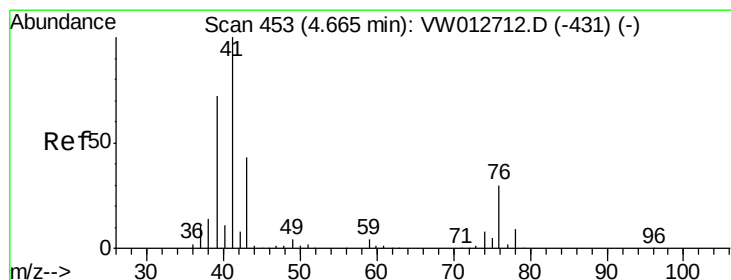
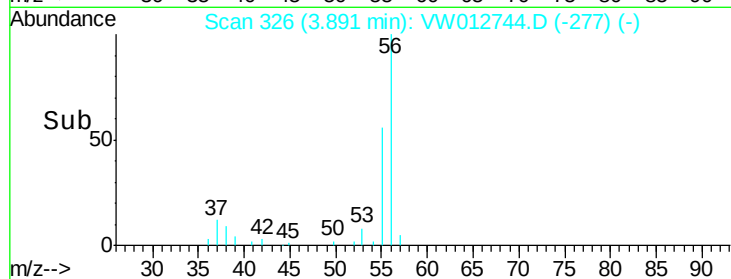
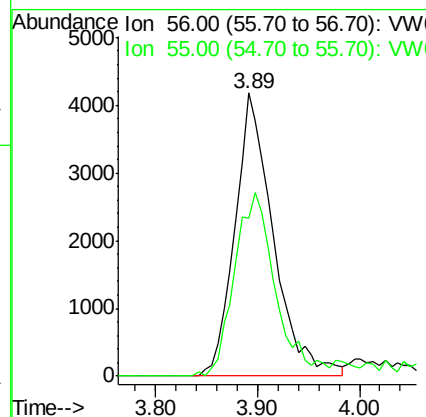
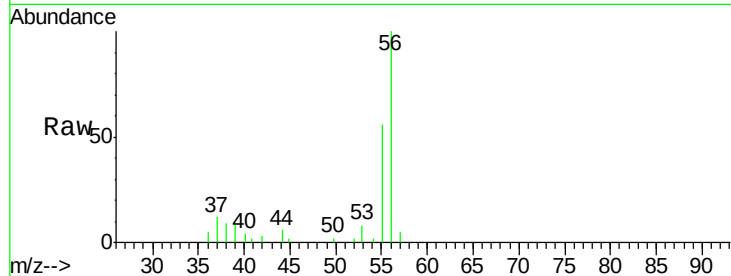
#13
Acrolein
Concen: 52.722 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	67.2	56.9	85.3	

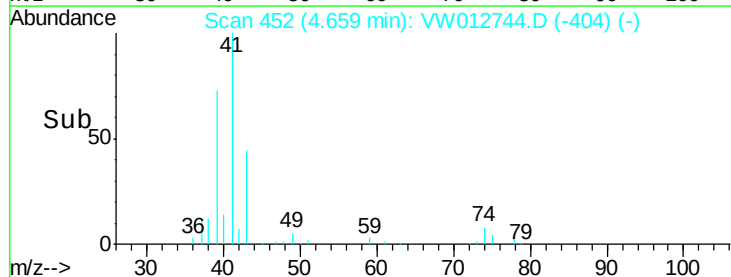
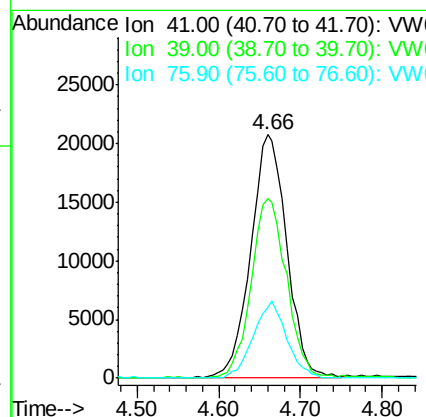
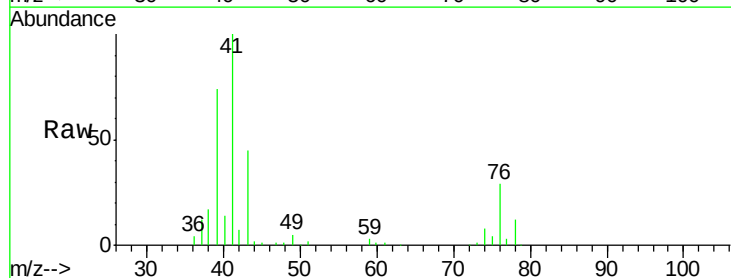
Manual Integrations
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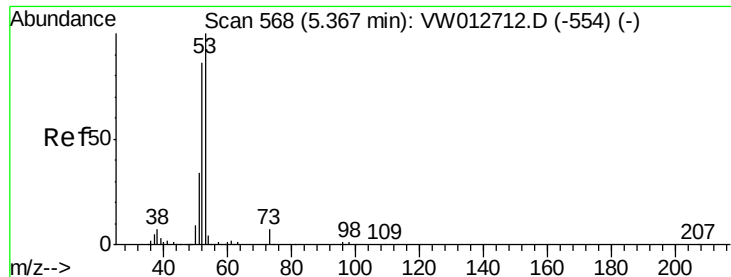
MMDadoda
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#14
Allyl chloride
Concen: 16.416 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	72.4	55.0	82.6	
76	29.1	23.0	34.4	





#15

Acrylonitrile

Concen: 83.853 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

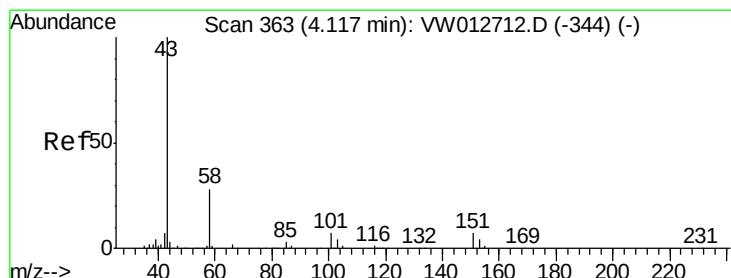
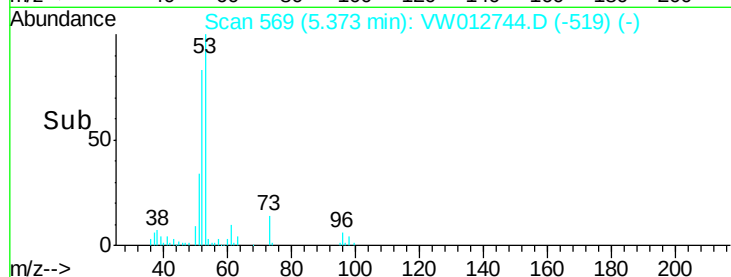
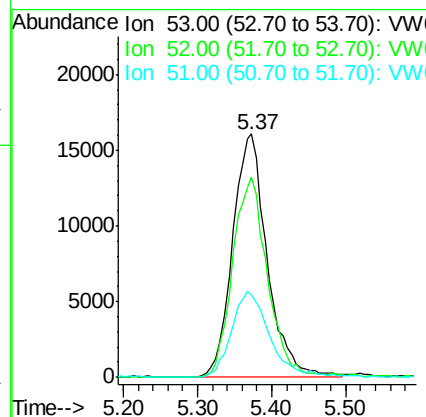
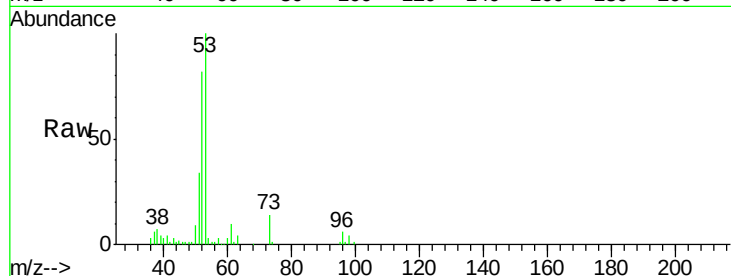
ClientSampleId :

VW0907SBS02

Tot Ion:	53	Resp:	52334
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.0	100.4
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 62.621 ug/l

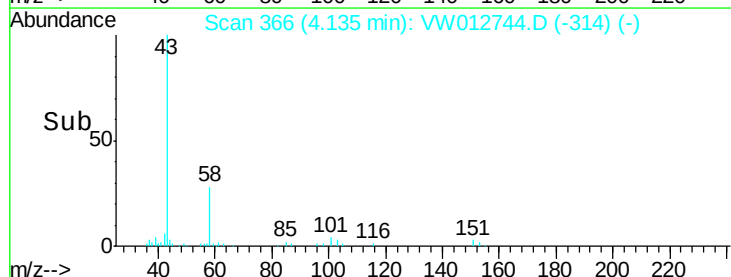
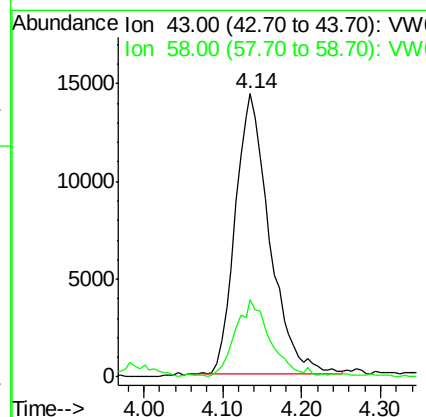
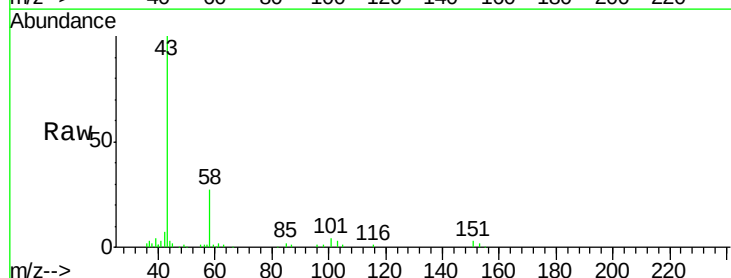
RT: 4.14 min Scan# 366

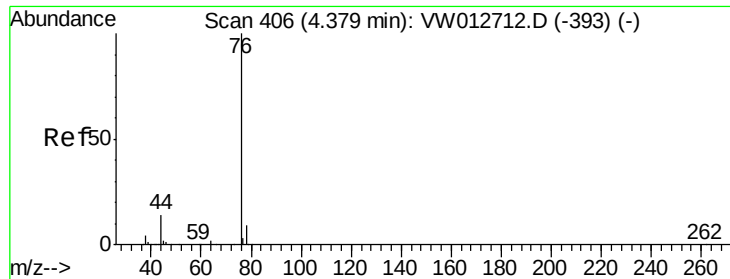
Delta R.T. 0.02 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	43	Resp:	43503
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.6	33.8





#17

Carbon Disulfide

Concen: 17.104 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 76 Resp: 68379

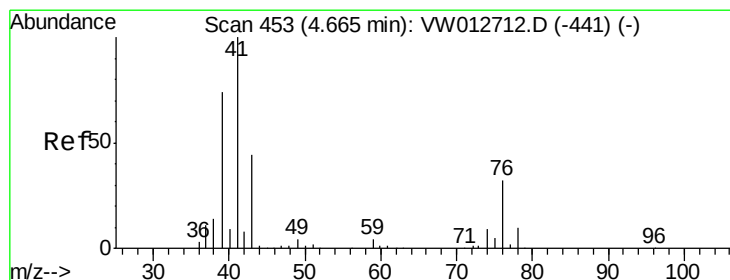
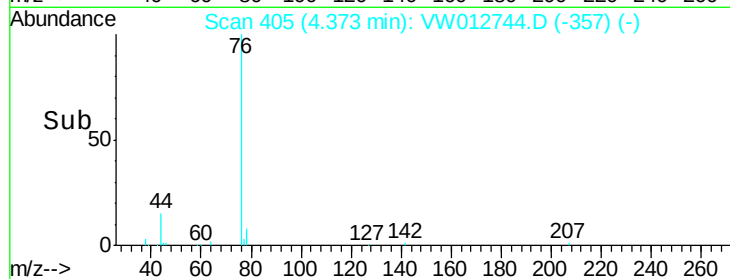
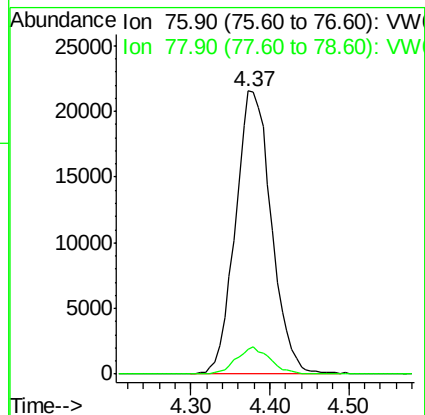
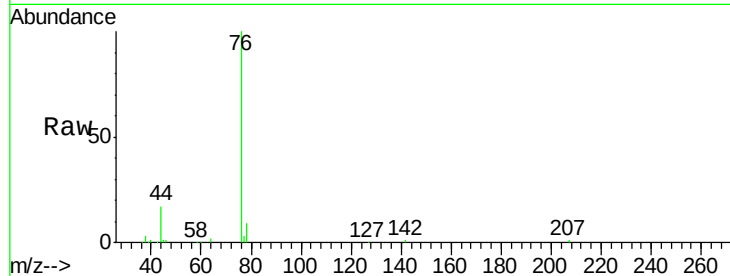
Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

Manual Integrations
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#18

Methyl Acetate

Concen: 19.819 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012744.D

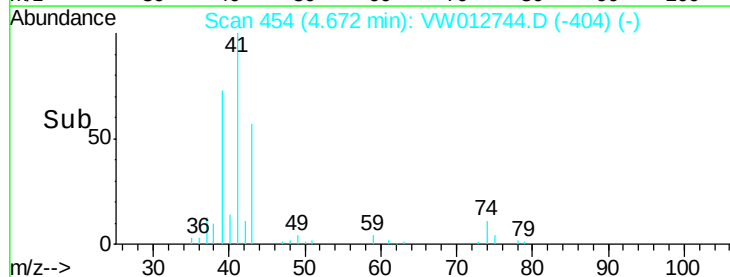
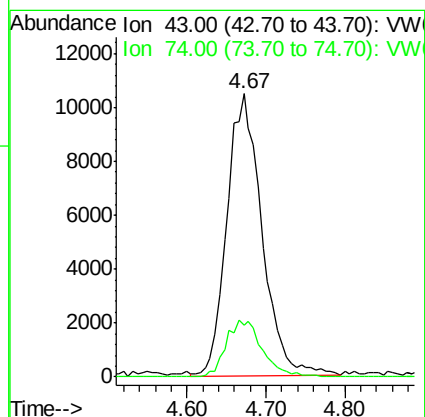
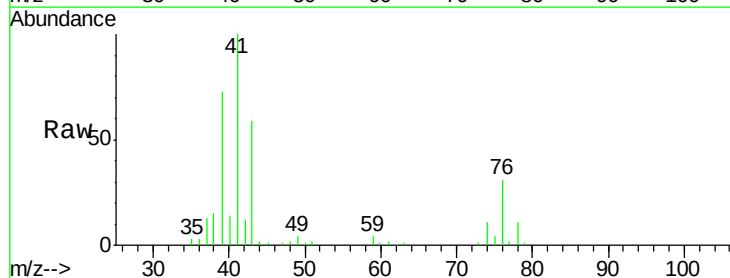
Acq: 08 Sep 2019 03:40

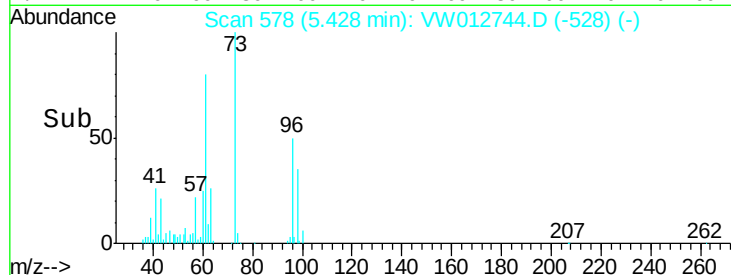
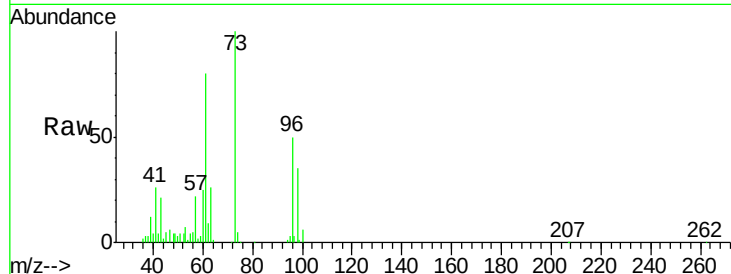
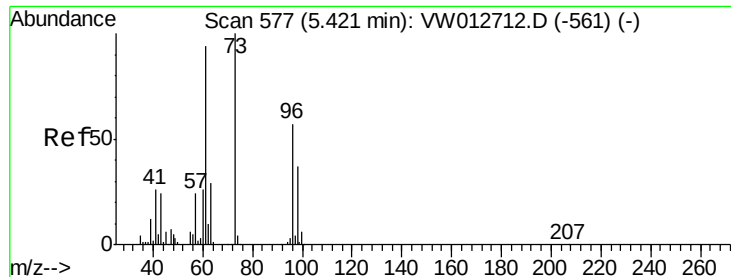
Tgt Ion: 43 Resp: 32302

Ion Ratio Lower Upper

43 100

74 20.8 15.8 23.6





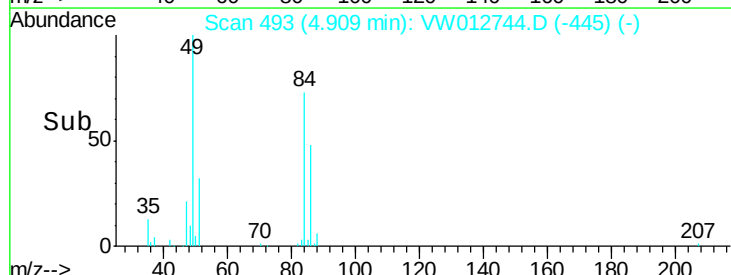
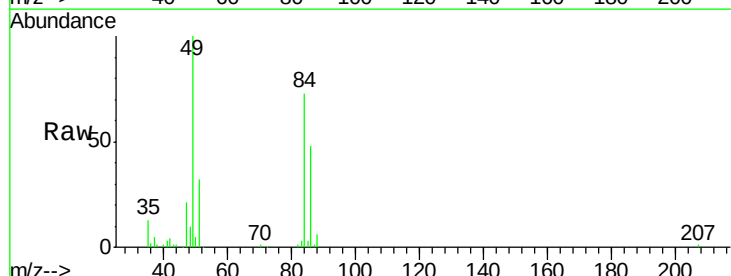
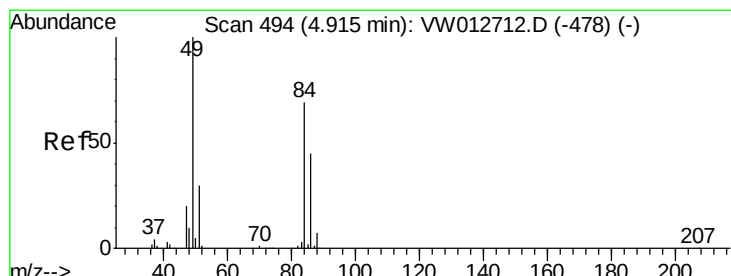
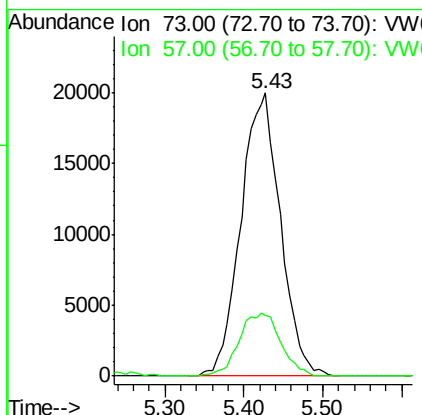
#19
Methyl tert-butyl Ether
Concen: 18.619 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tot Ion	73	Resp	69547
Ion Ratio	100	Lower	Upper
73	100		
57	21.5	19.2	28.8

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

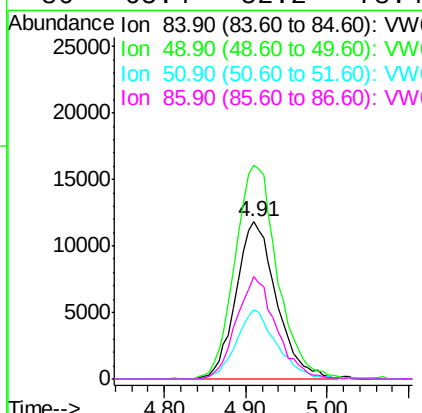
Manual Integrations
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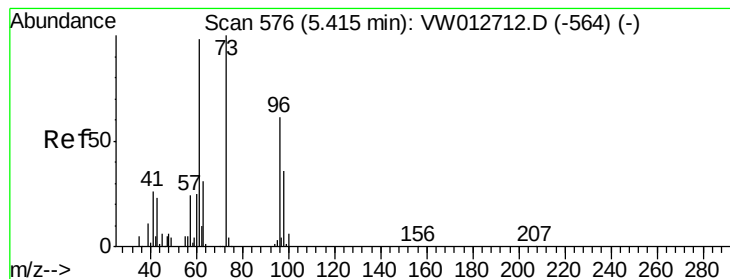
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#20
Methylene Chloride
Concen: 18.745 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	84	Resp	40739
Ion Ratio	100	Lower	Upper
84	100		
49	136.1	115.4	173.0
51	44.0	34.9	52.3
86	65.4	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 18.660 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

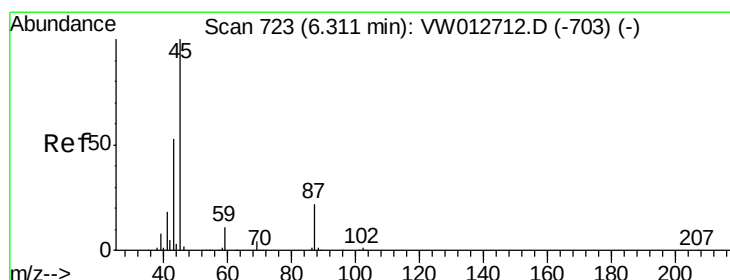
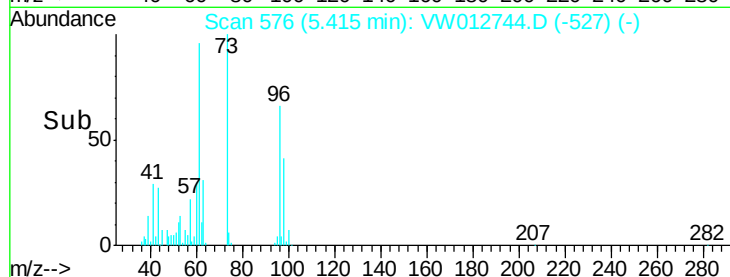
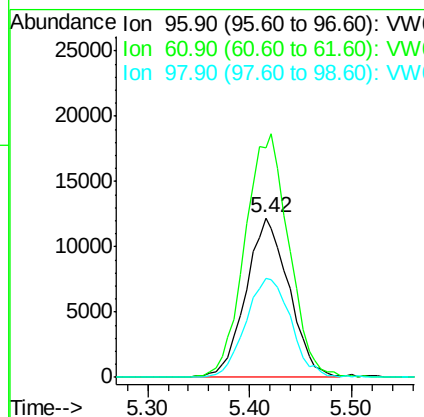
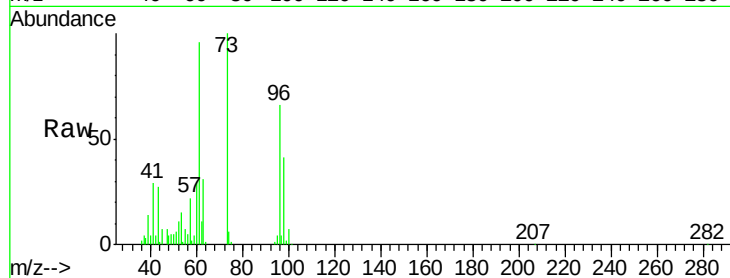
ClientSampleId :

VW0907SBS02

Tot Ion:	96	Resp:	35860
Ion	Ratio	Lower	Upper
96	100		
61	144.3	129.2	193.8
98	61.8	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.071 ug/l

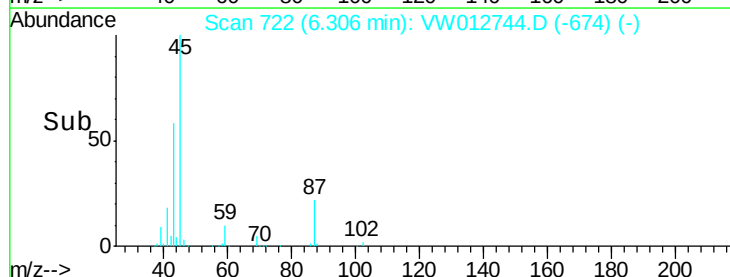
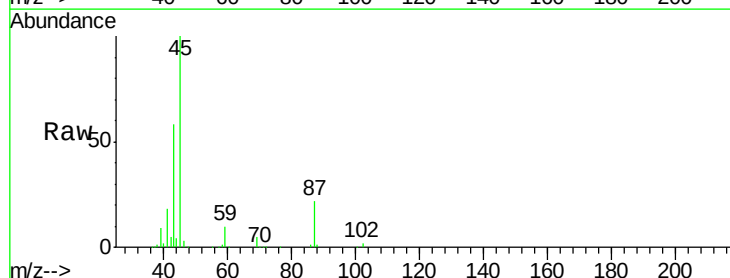
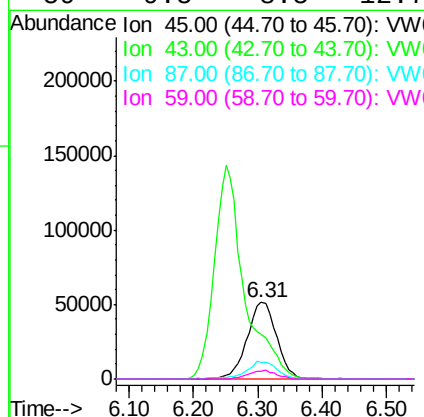
RT: 6.31 min Scan# 722

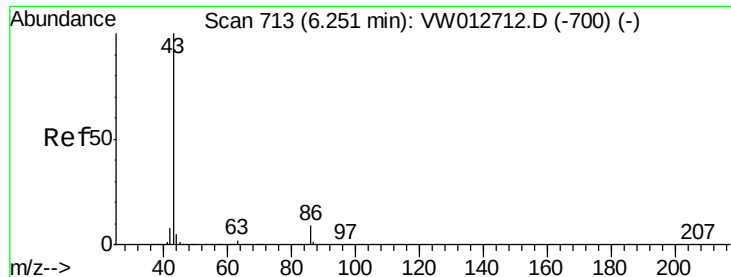
Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	45	Resp:	162822
Ion	Ratio	Lower	Upper
45	100		
43	57.2	42.3	63.5
87	21.8	18.2	27.2
59	9.5	8.5	12.7





#23

Vinyl Acetate

Concen: 95.708 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tot Ion: 43 Resp: 468698

Ion Ratio Lower Upper

43 100

86 8.2 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

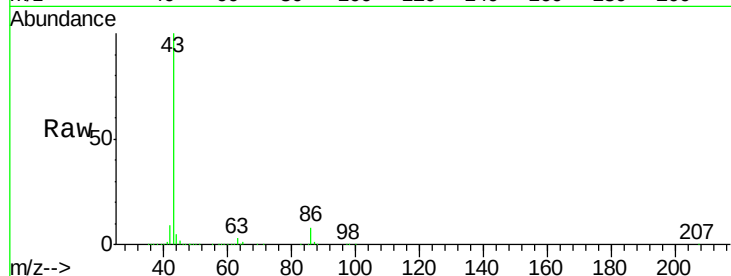
VW0907SBS02

Manual Integrations

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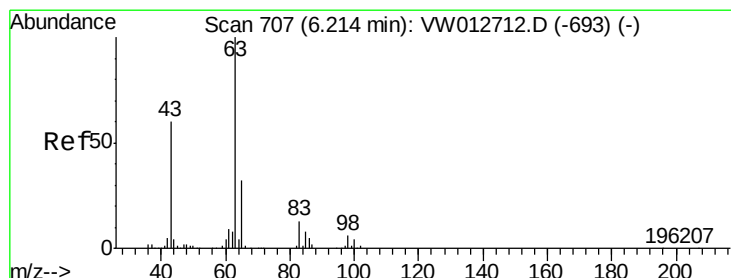
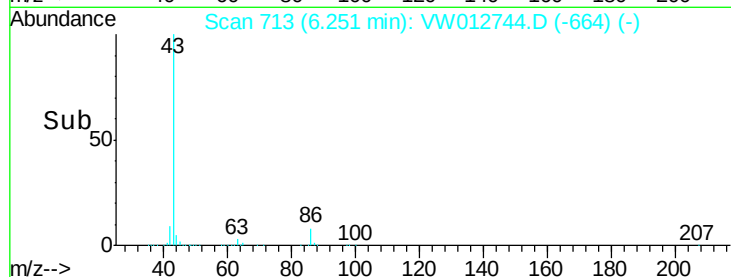
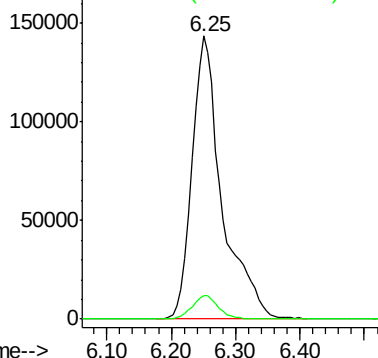
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.882 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

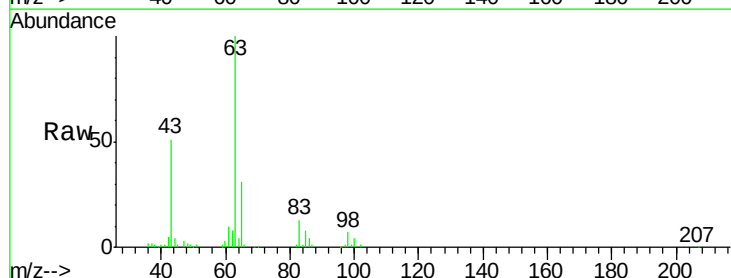
Tgt Ion: 63 Resp: 86884

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

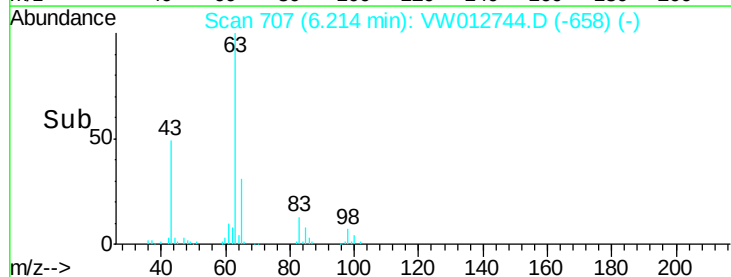
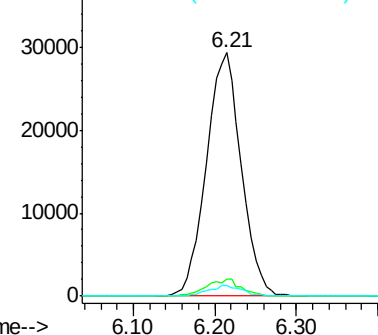
100 4.2 1.8 5.5

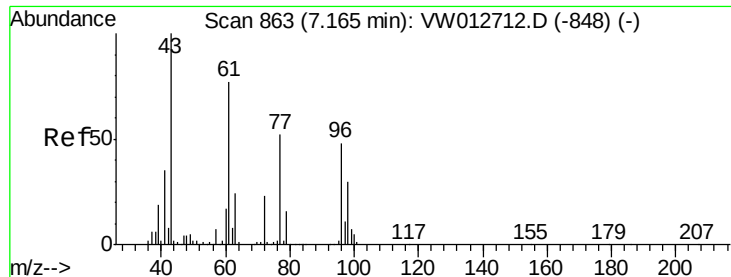


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 93.633 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 43 Resp: 82108

Ion Ratio Lower Upper

43 100

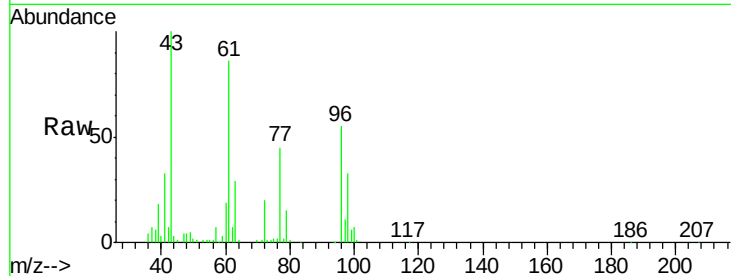
72 20.1 18.0 27.0

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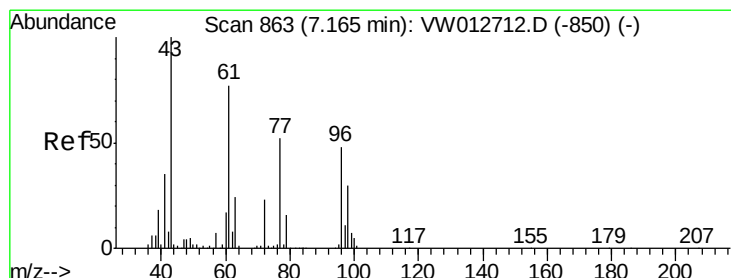
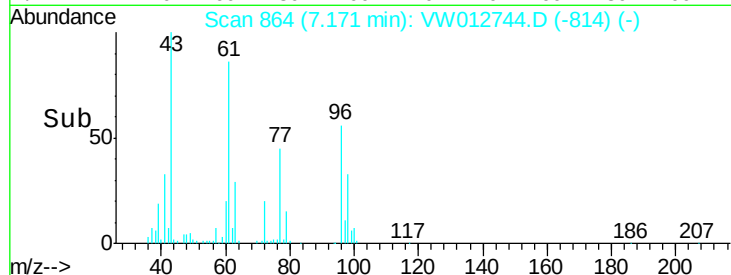
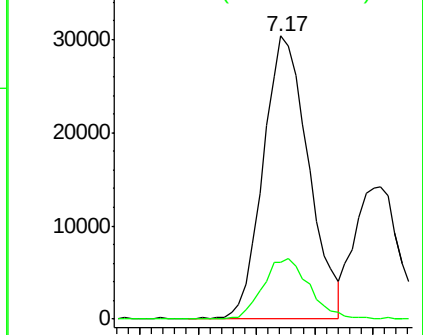
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 17.280 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012744.D

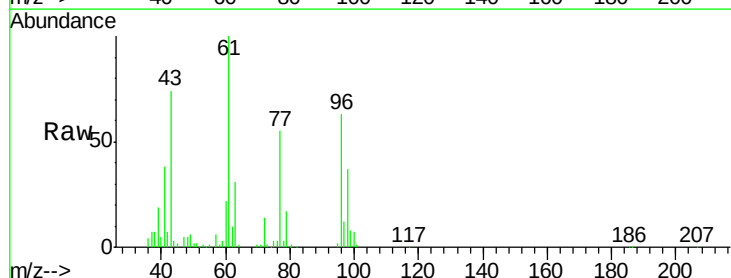
Acq: 08 Sep 2019 03:40

Tgt Ion: 77 Resp: 45411

Ion Ratio Lower Upper

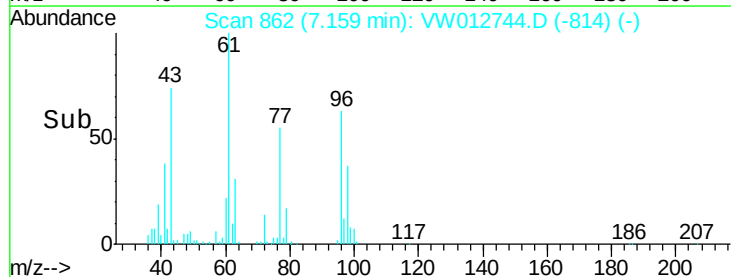
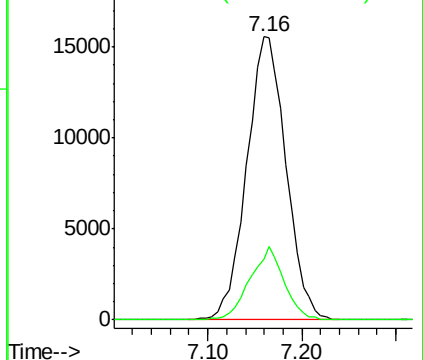
77 100

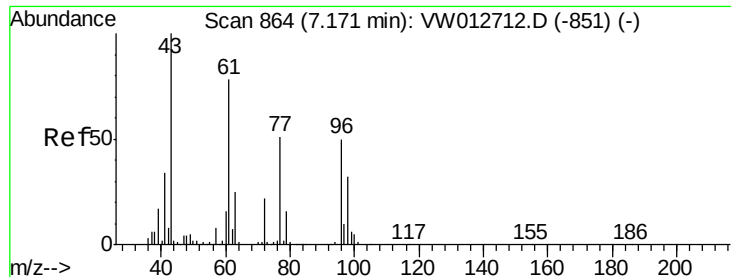
97 22.4 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

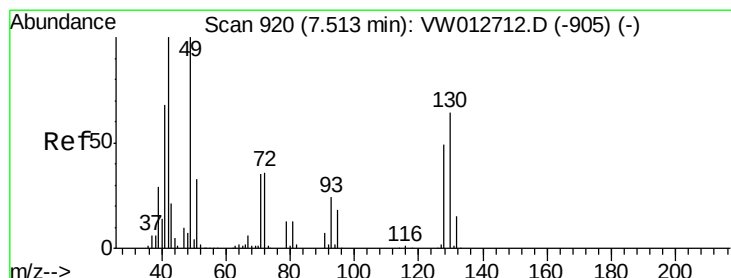
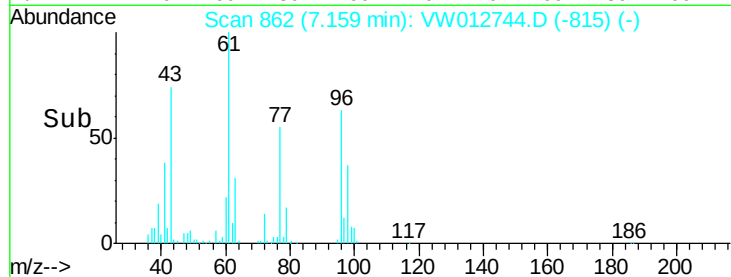
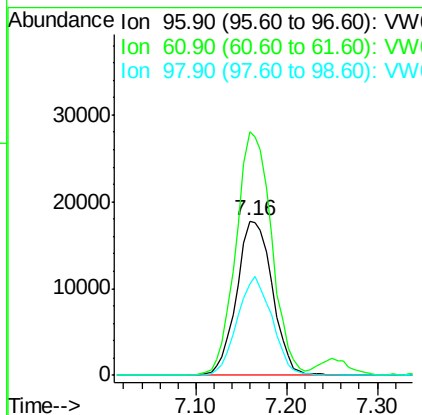
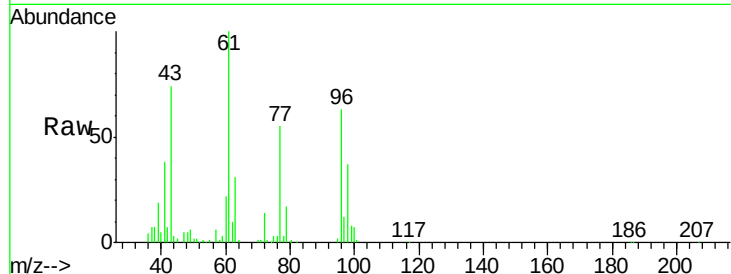
cis-1,2-Dichloroethene
 Concen: 21.774 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	325.8
98	62.5	0.0	127.0

Manual Integrations
 APPROVED

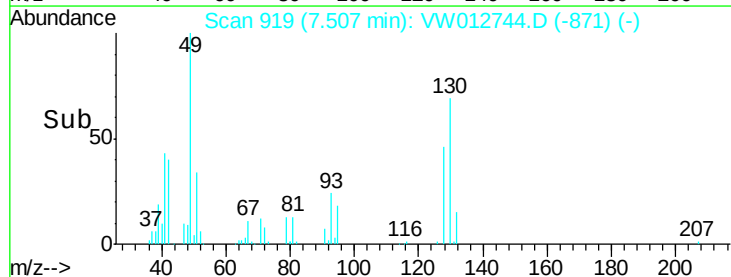
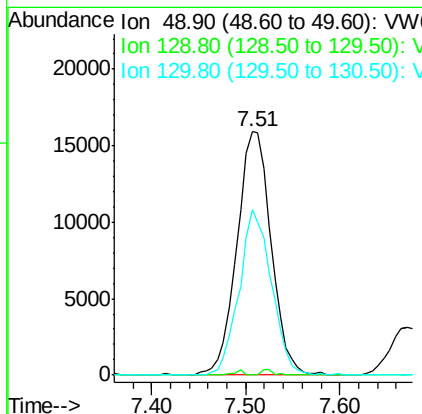
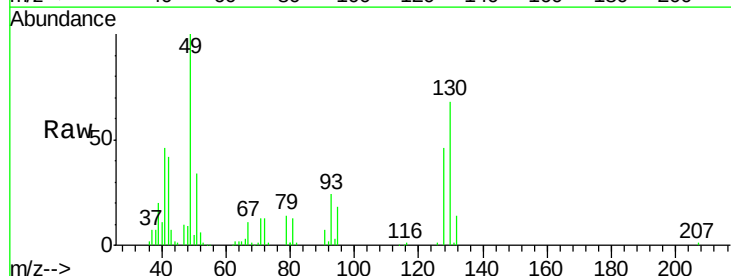
MMDadoda
 9/10/2019 1:03:15 PM

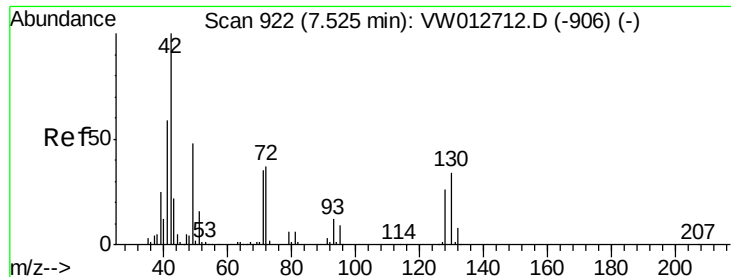


#28

Bromochloromethane
 Concen: 21.068 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.8
130	64.4	49.8	74.8





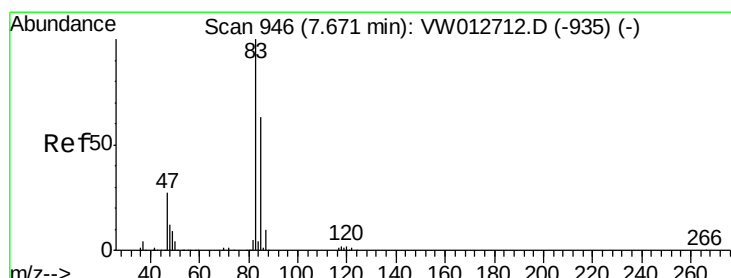
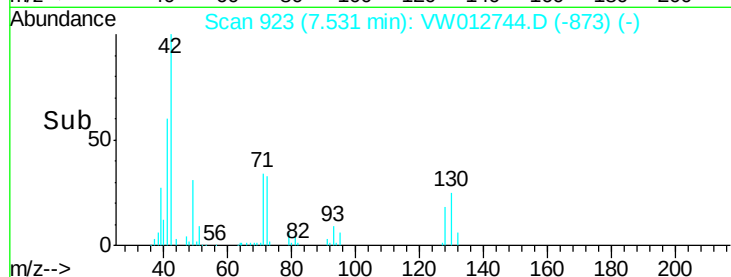
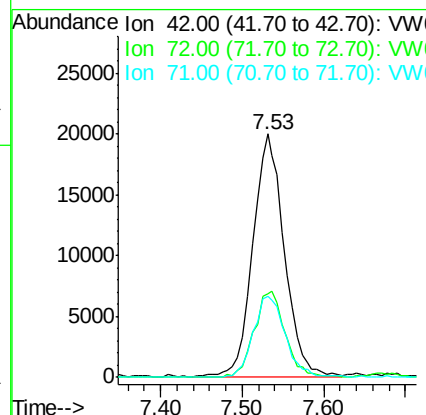
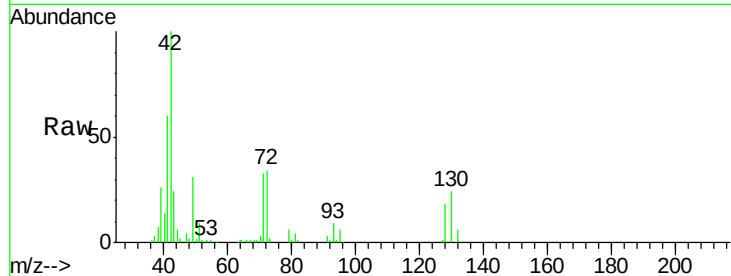
#29
Tetrahydrofuran
Concen: 96.534 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	28.4	42.6
71	33.5	27.1	40.7

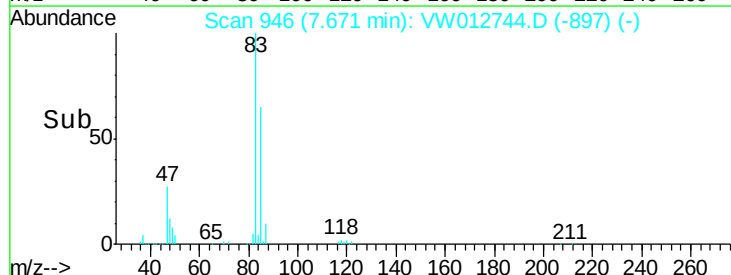
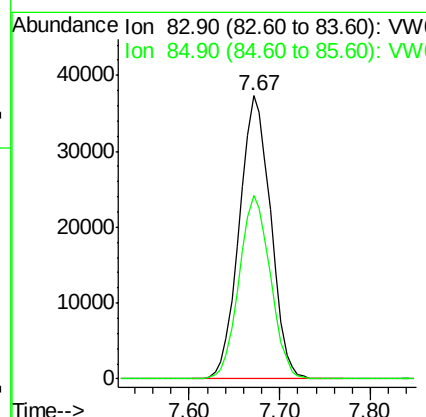
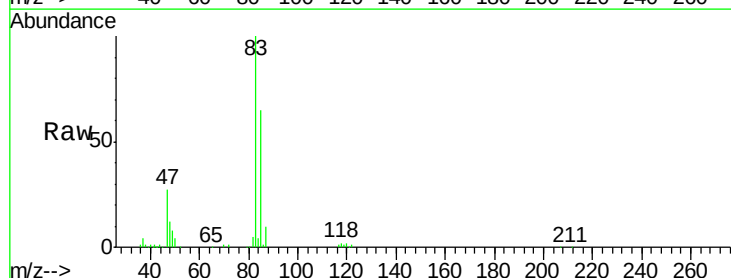
Manual Integrations
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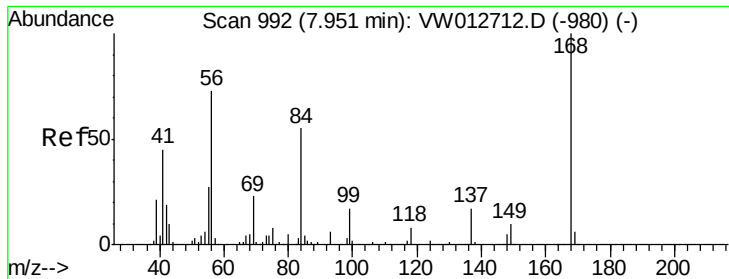
MMDadoda
9/10/2019 1:03:15 PM



#30
Chloroform
Concen: 21.834 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	76.0





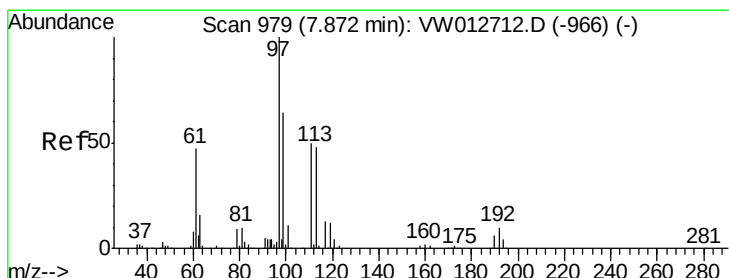
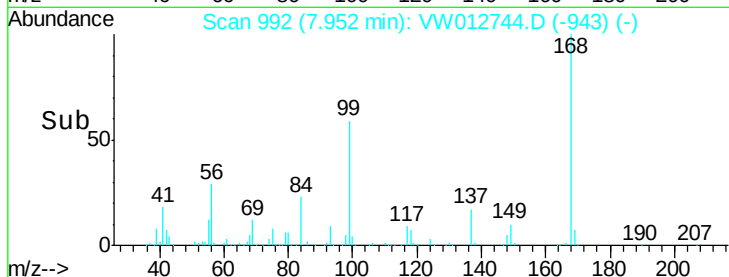
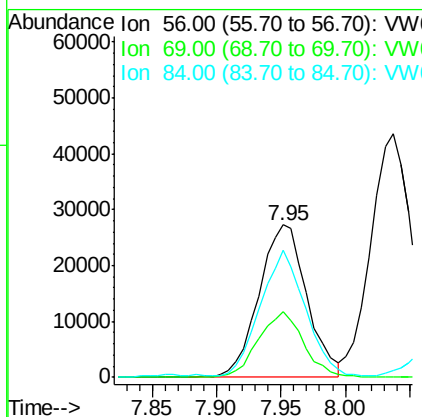
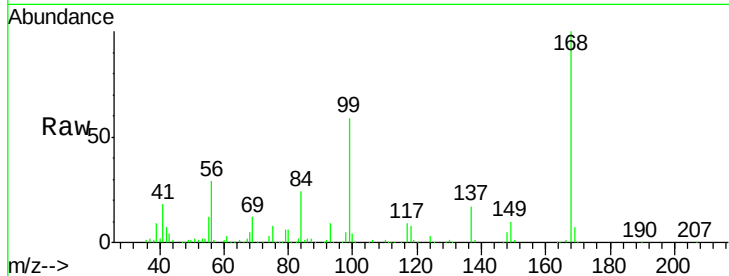
#31
Cyclohexane
Concen: 18.757 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.7	25.7	38.5#
84	82.0	60.4	90.6

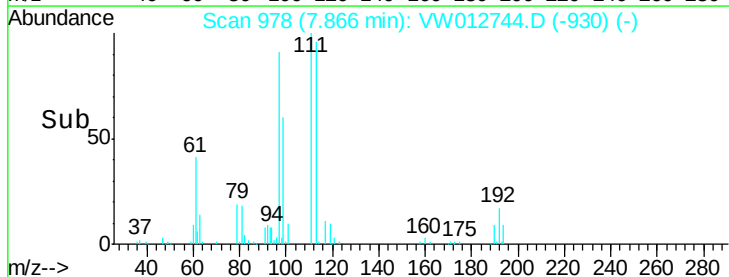
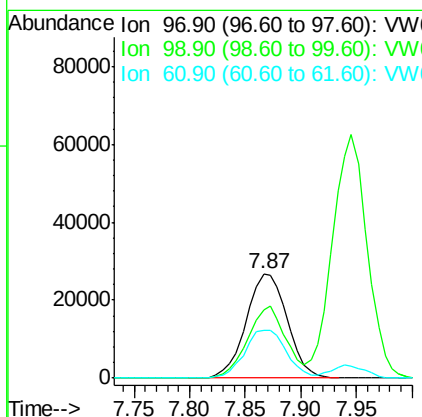
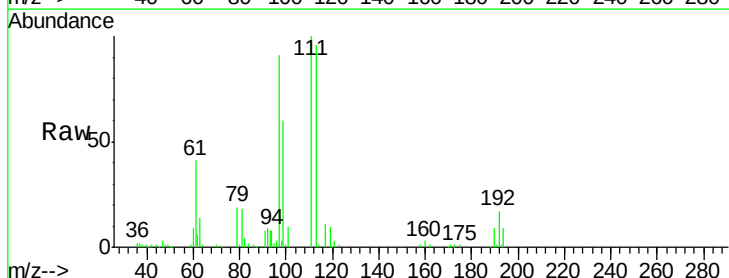
Manual Integrations
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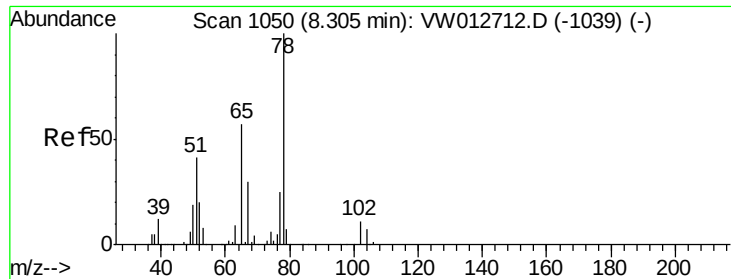
MMDadoda
9/10/2019 1:03:15 PM



#32
1,1,1-Trichloroethane
Concen: 20.597 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	46.6	37.9	56.9





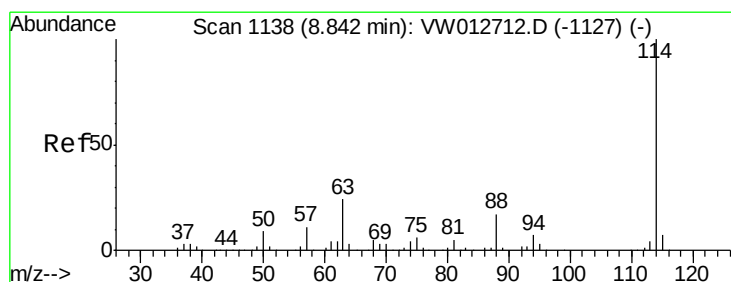
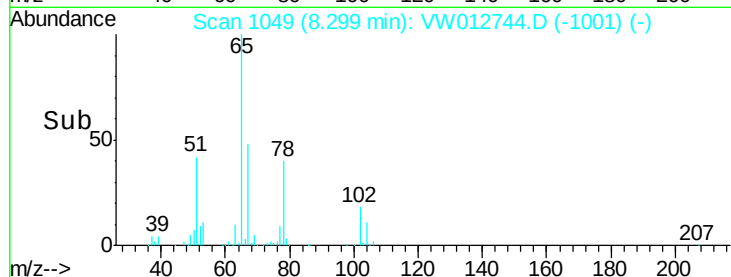
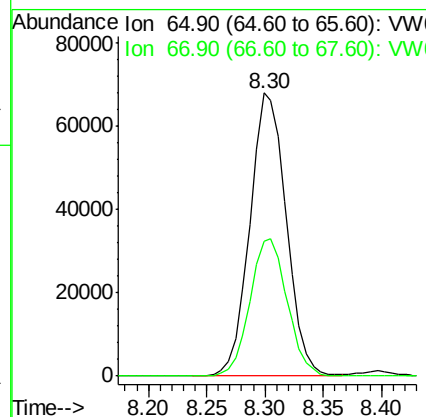
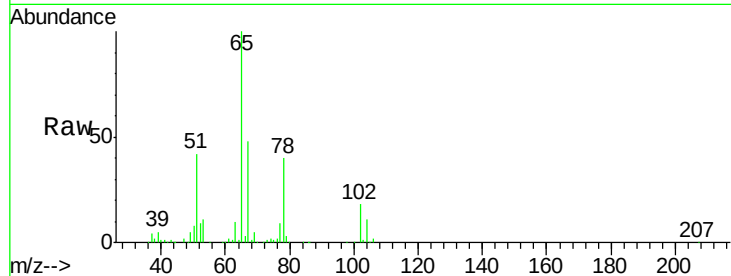
#33
 1,2-Dichloroethane-d4
 Concen: 58.220 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148359		
67	49.7	0.0	101.8	

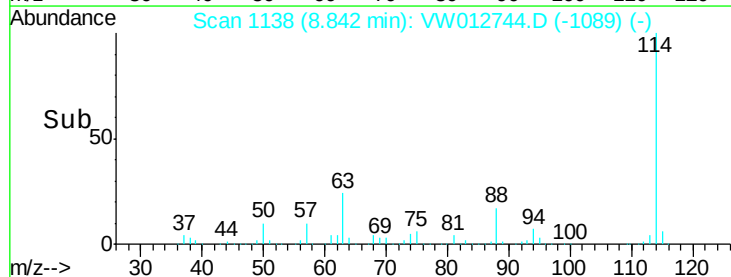
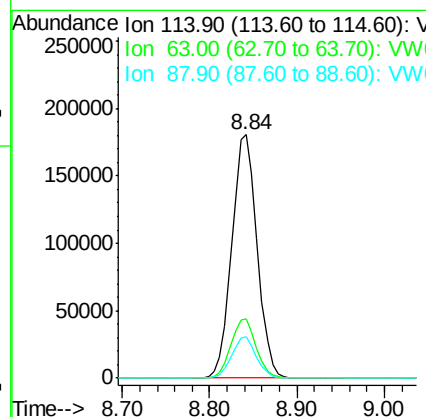
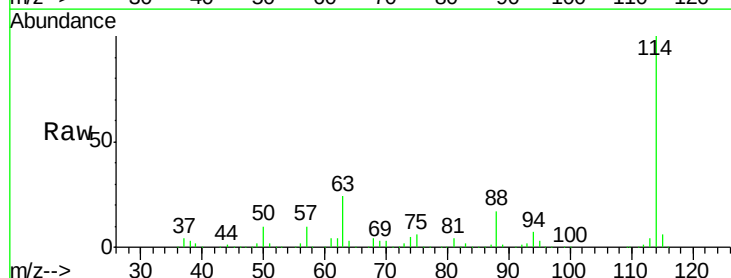
Manual Integrations
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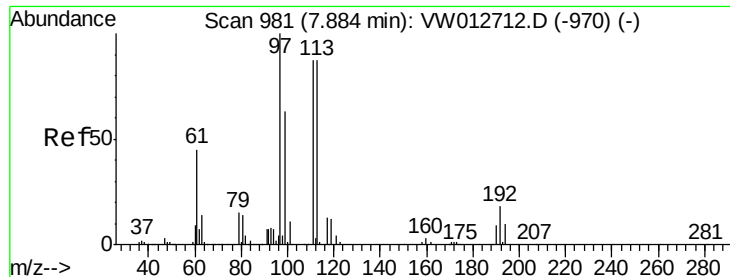
MMDadoda
 9/10/2019 1:03:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362149		
63	24.1	0.0	47.2	
88	17.2	0.0	34.0	





#35

Dibromofluoromethane

Concen: 51.475 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

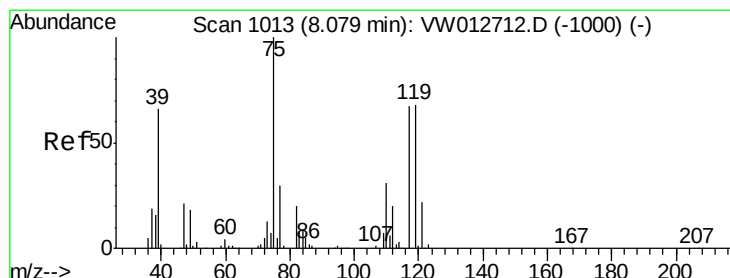
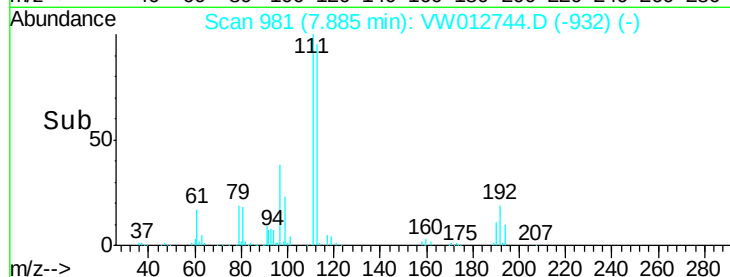
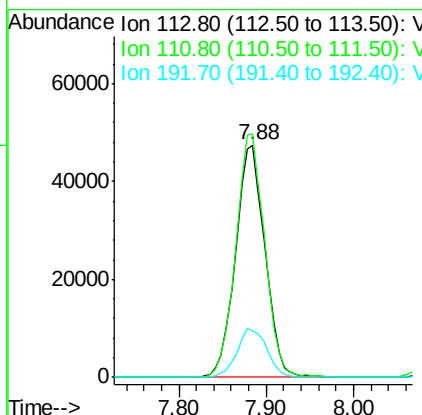
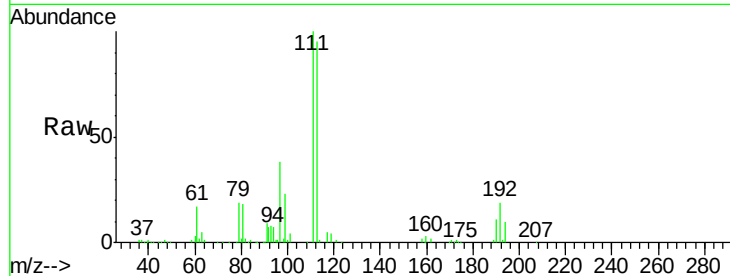
ClientSampleId :

VW0907SBS02

Tot Ion:	113	Resp:	110829
Ion Ratio	Lower	Upper	
113	100		
111	103.5	80.2	120.4
192	21.6	17.3	25.9

Manual Integrations
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9/10/2019 1:03:15 PM



#36

1,1-Dichloropropene

Concen: 19.210 ug/l

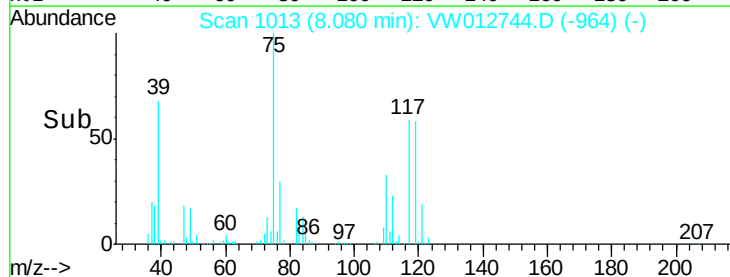
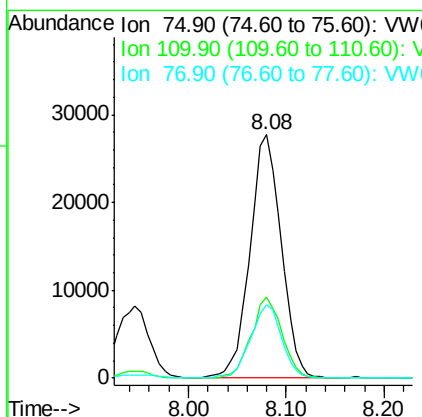
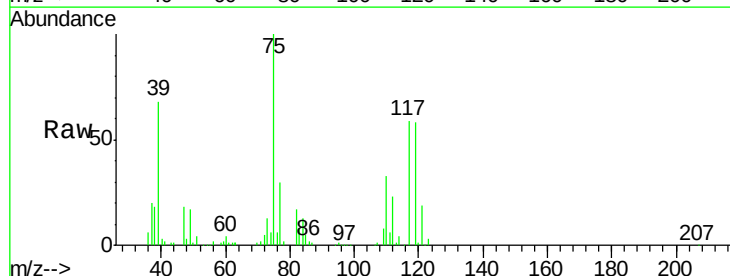
RT: 8.08 min Scan# 1013

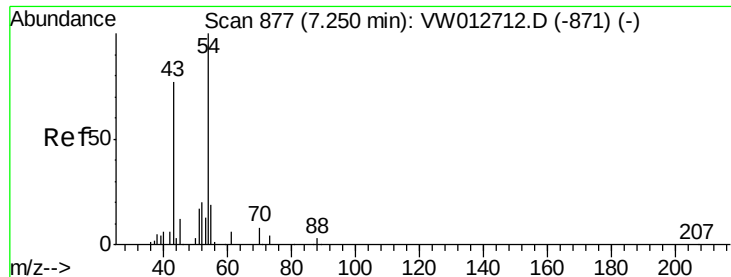
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	75	Resp:	61814
Ion Ratio	Lower	Upper	
75	100		
110	32.6	15.9	47.7
77	30.1	25.0	37.4





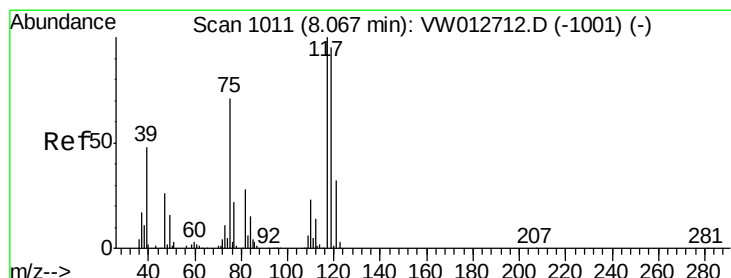
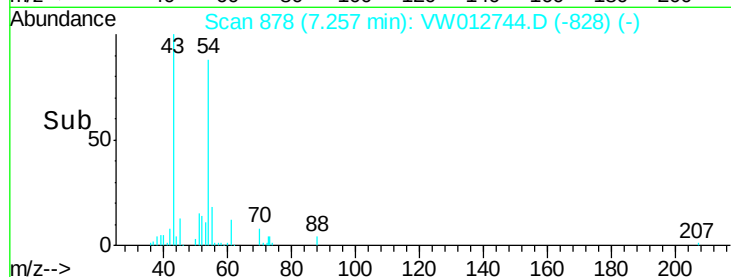
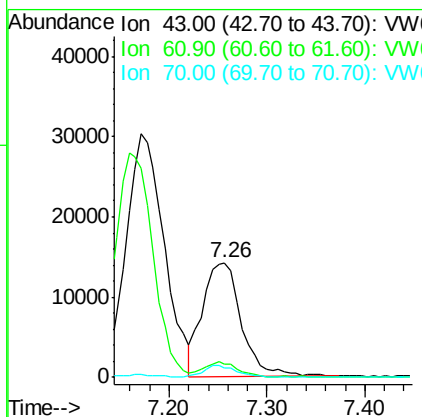
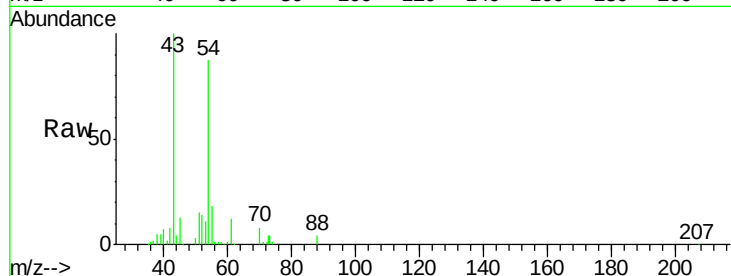
#37
Ethyl Acetate
Concen: 18.814 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.5	14.3
70	9.0	7.0	10.6

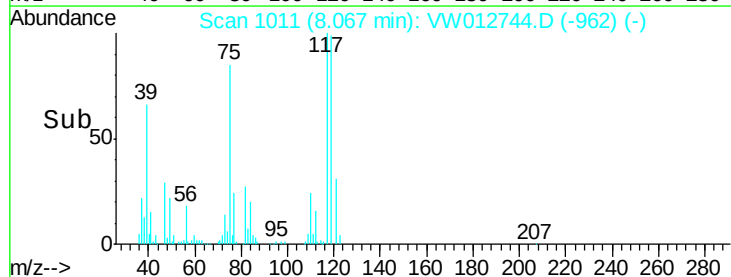
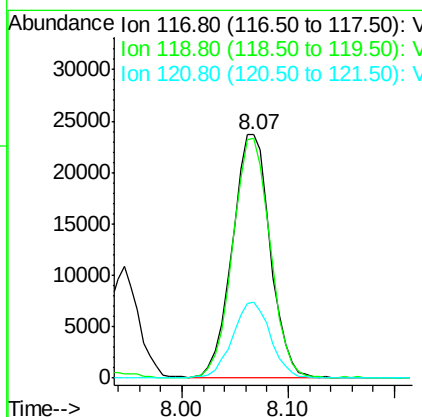
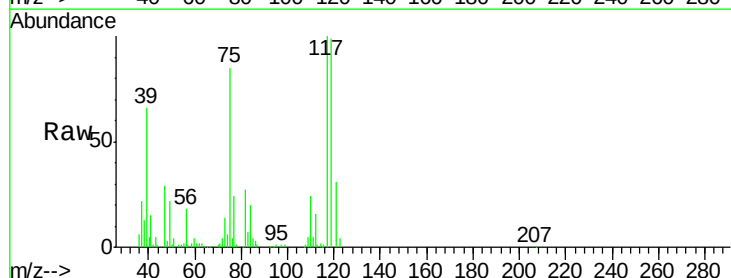
Manual Integrations
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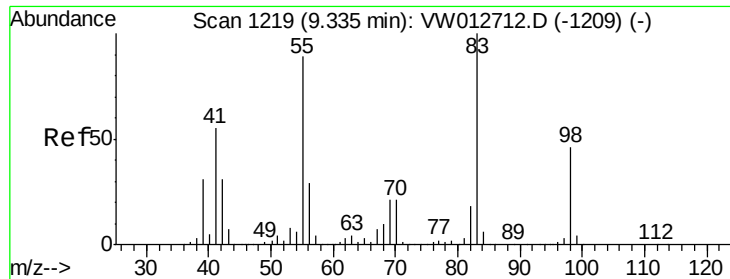
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#38
Carbon Tetrachloride
Concen: 18.693 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.2	114.2
121	31.3	25.4	38.2





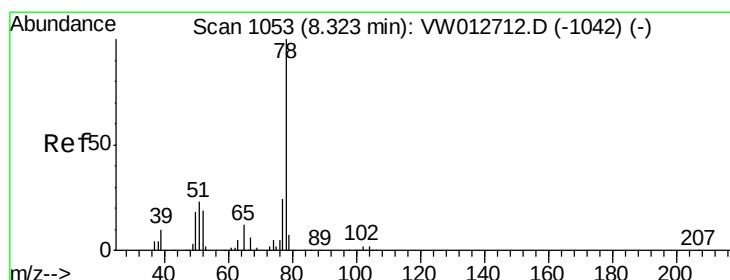
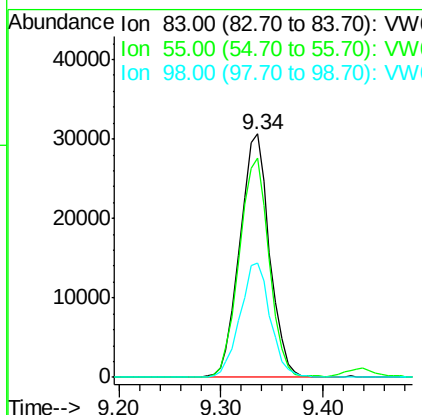
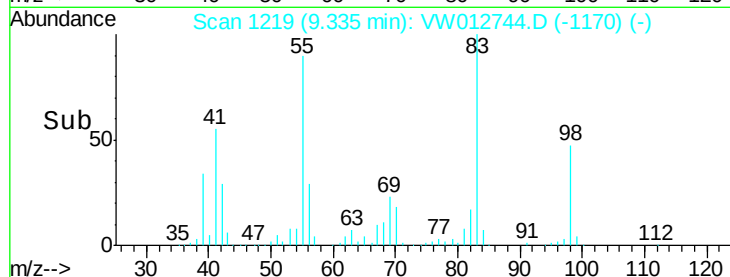
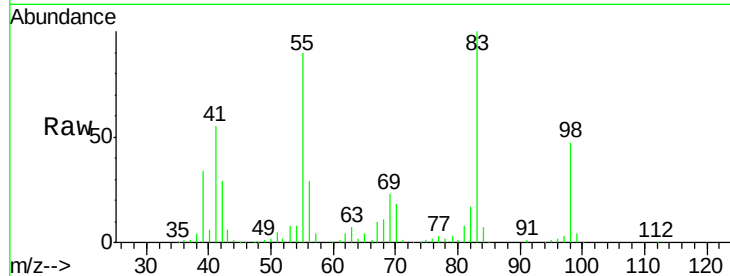
#39
Methylvlcyclohexane
Concen: 17.175 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	83.00	Resp	62072
Ion	Ratio	Lower	Upper
83	100		
55	89.8	71.0	106.4
98	46.8	36.9	55.3

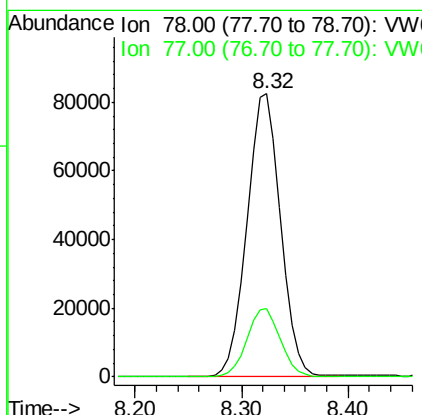
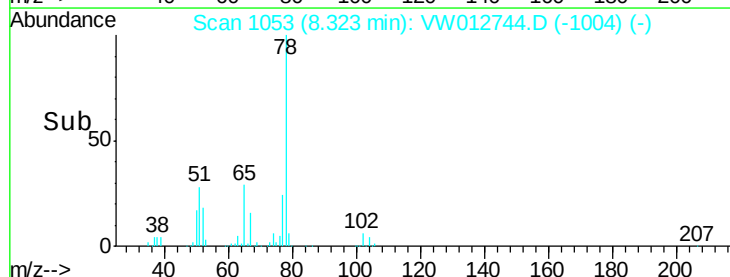
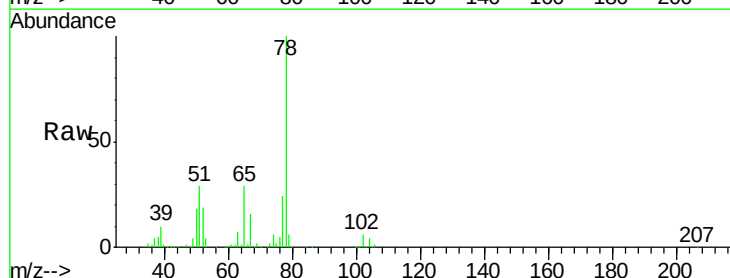
Manual Integrations
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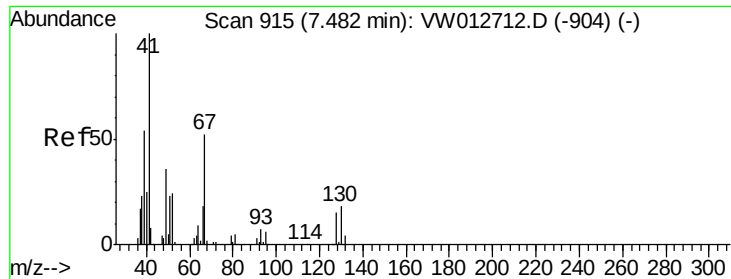
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9/10/2019 1:03:15 PM



#40
Benzene
Concen: 20.511 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	78.00	Resp	183119
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





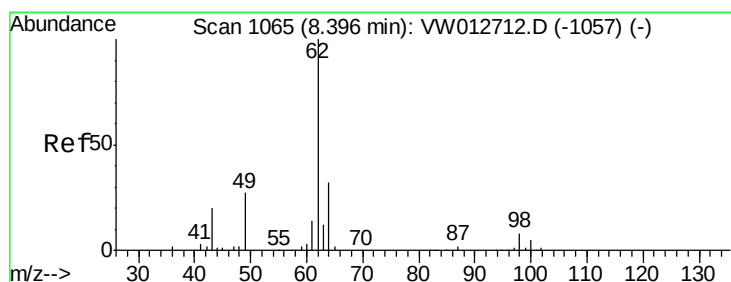
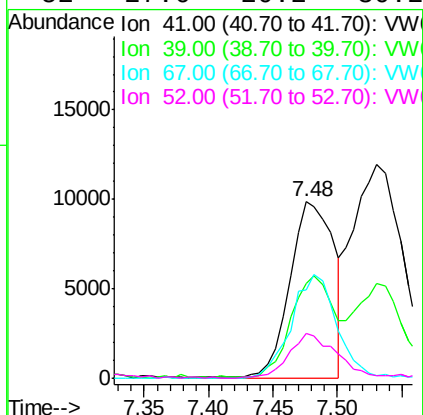
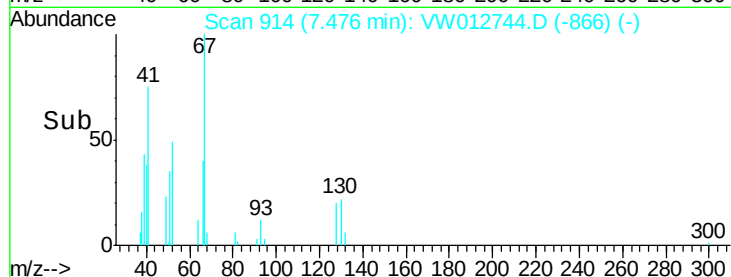
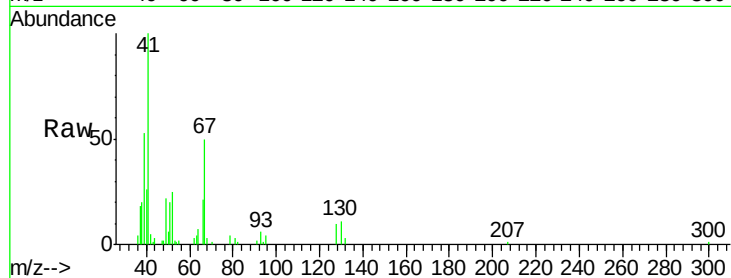
#41
Methacrylonitrile
Concen: 19.337 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	41	Resp	23408
Ion	Ratio	Lower	Upper
41	100		
39	53.9	47.5	71.3
67	61.5	45.1	67.7
52	27.6	20.2	30.2

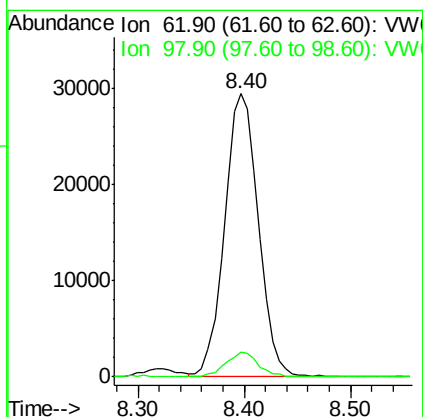
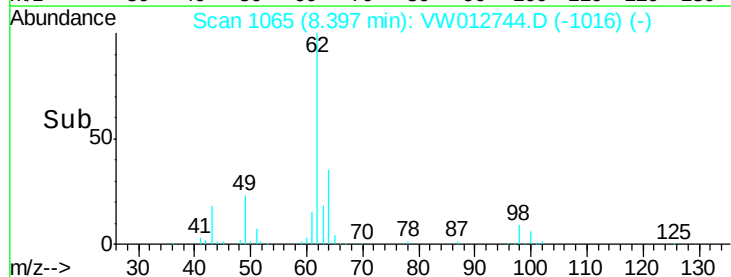
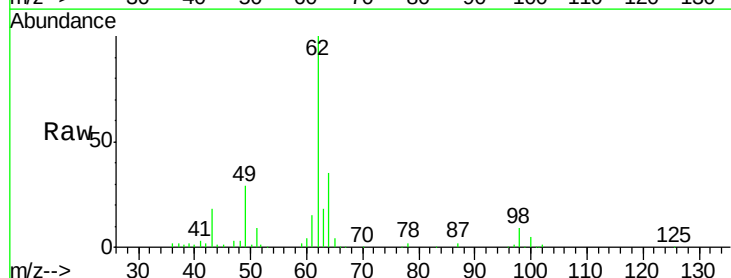
Manual Integrations
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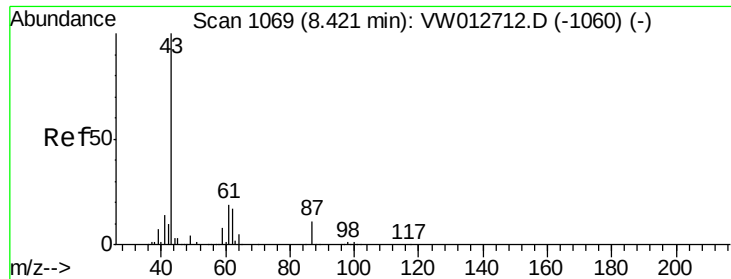
MMDadoda
9/10/2019 1:03:15 PM



#42
1,2-Dichloroethane
Concen: 20.804 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	62	Resp	65366
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.771 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

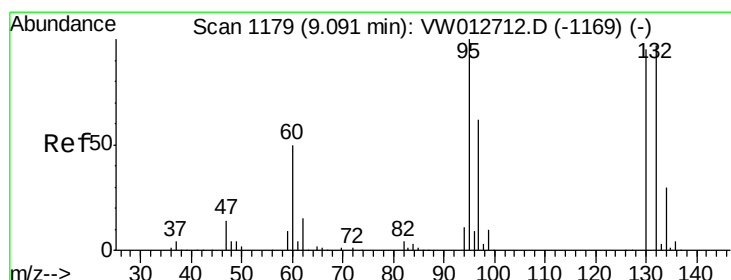
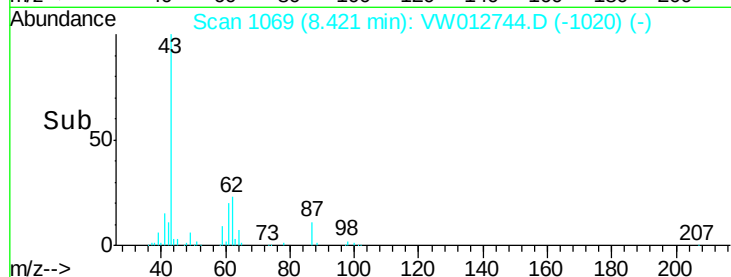
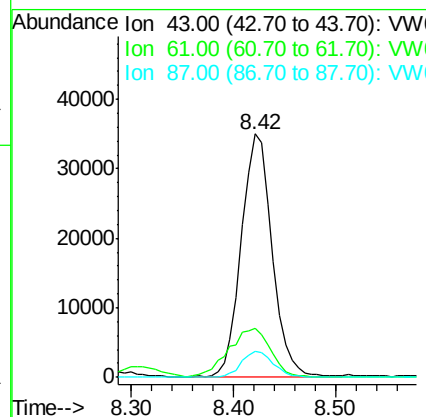
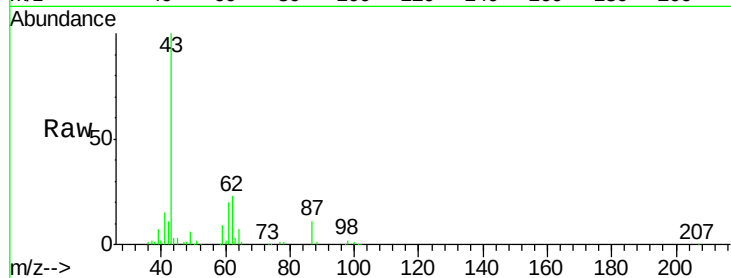
ClientSampleId :

VW0907SBS02

Tot Ion:	43	Resp:	72947
Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.6	30.8
87	11.1	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.232 ug/l

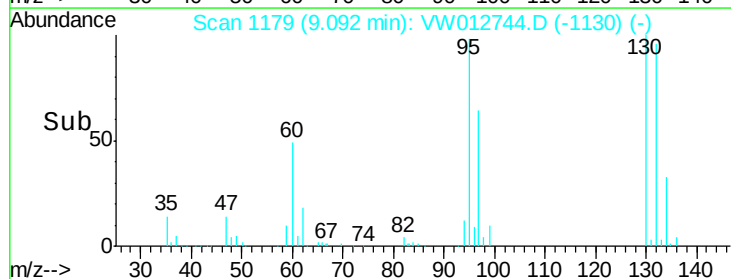
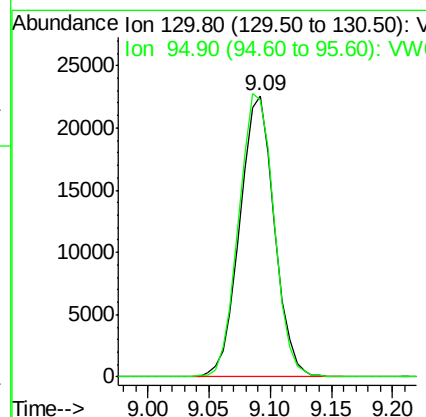
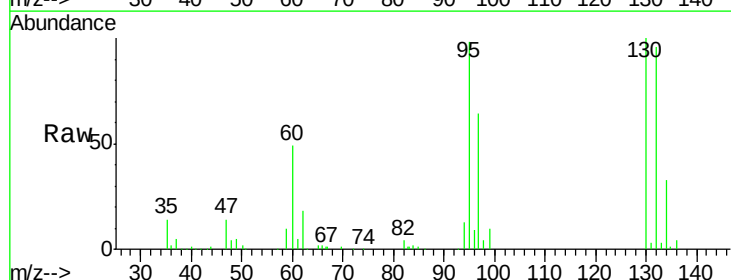
RT: 9.09 min Scan# 1179

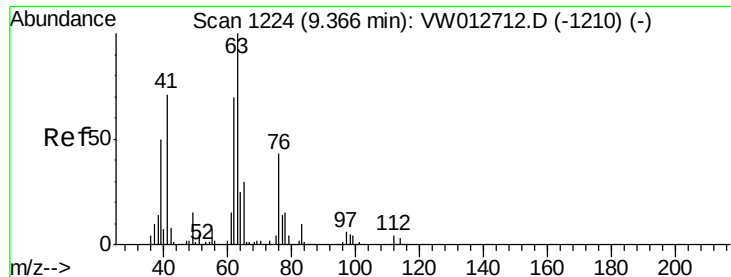
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	130	Resp:	44260
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.000 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 63 Resp: 49524

Ion Ratio Lower Upper

63 100

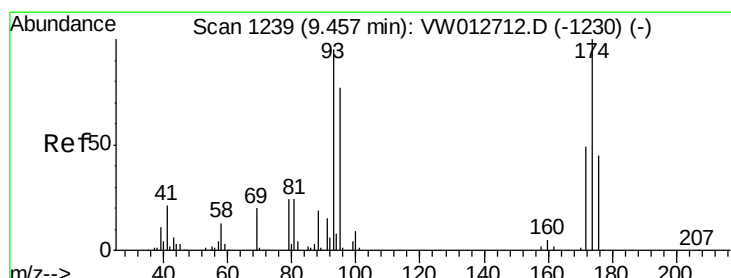
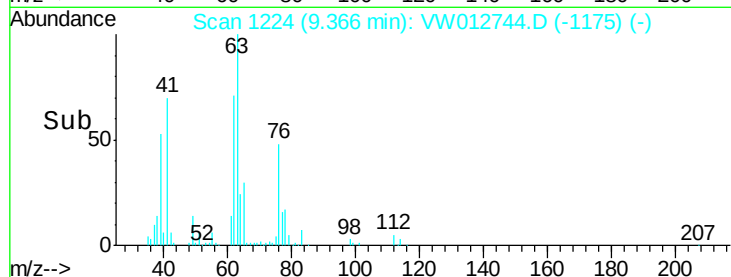
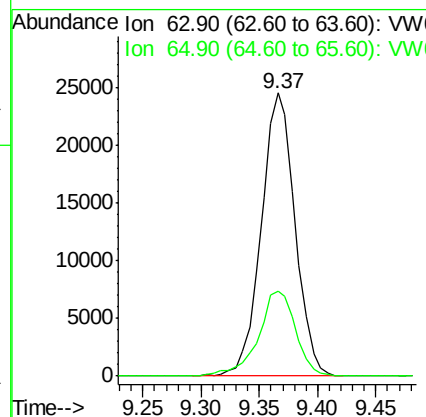
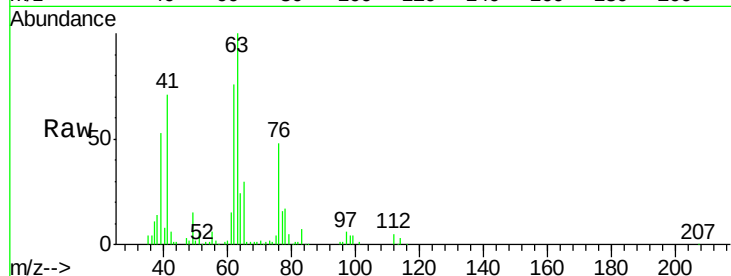
65 30.1 23.8 35.8

Manual Integrations

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#46

Dibromomethane

Concen: 20.537 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

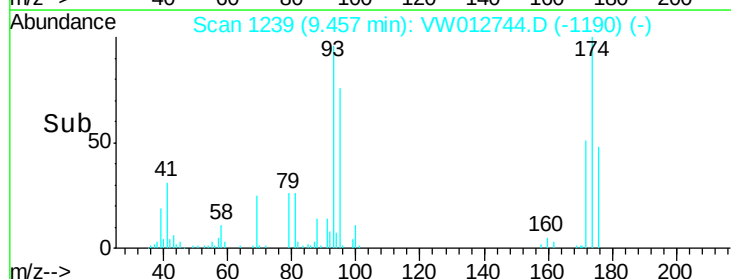
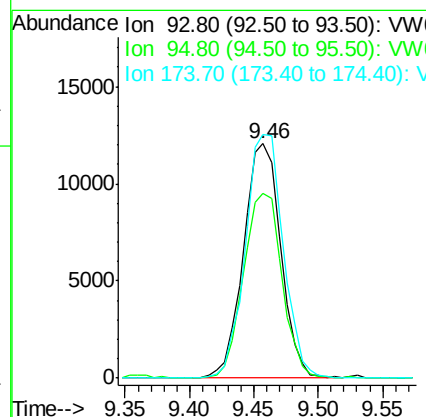
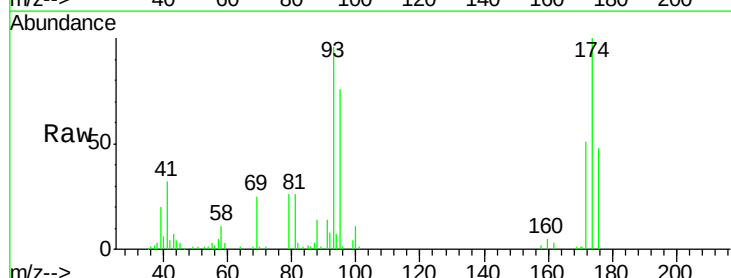
Tgt Ion: 93 Resp: 24081

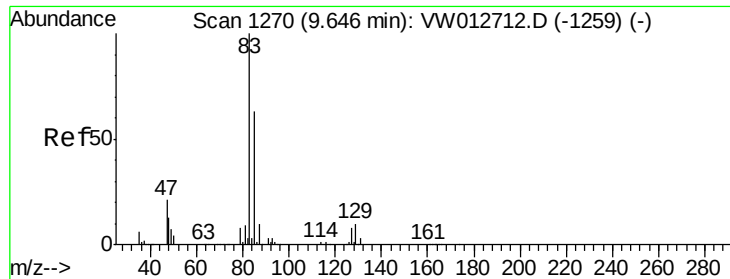
Ion Ratio Lower Upper

93 100

95 81.7 65.2 97.8

174 105.6 84.2 126.4





#47

Bromodichloromethane

Concen: 20.296 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

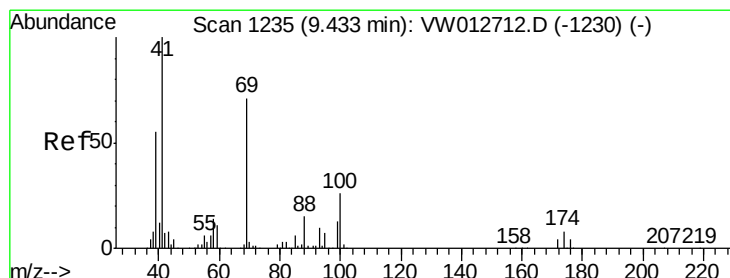
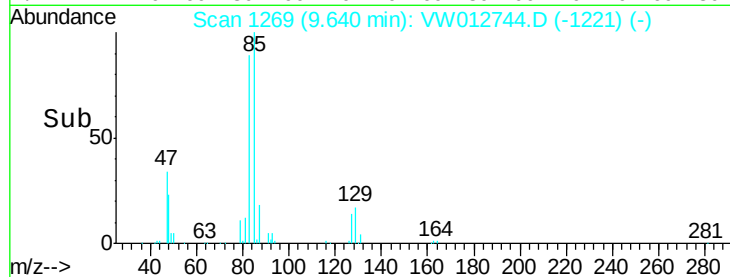
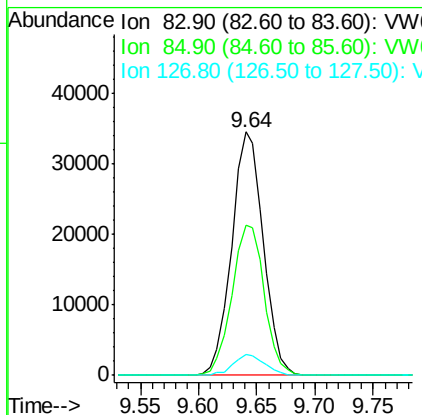
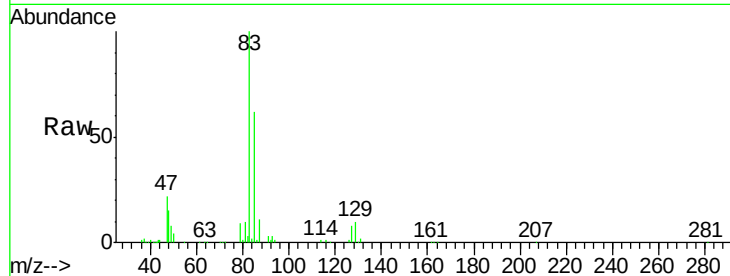
ClientSampleId :

VW0907SBS02

Tot Ion:	83	Resp:	65474
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.2
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.136 ug/l

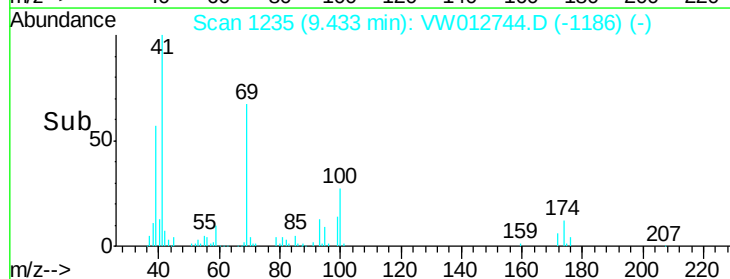
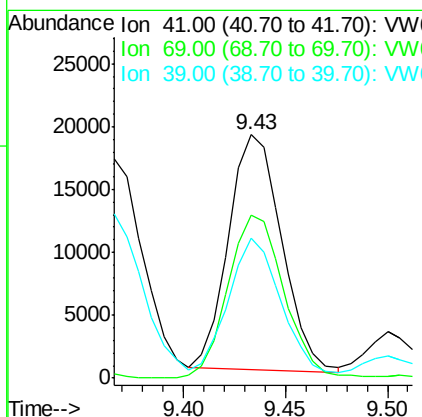
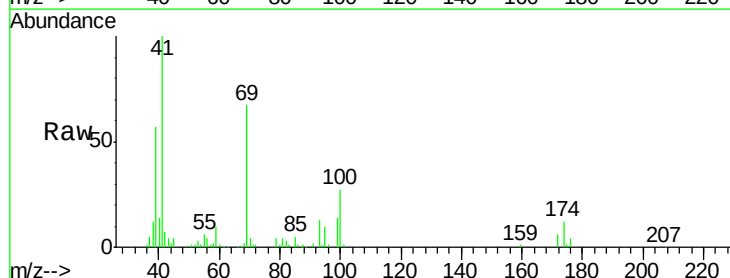
RT: 9.43 min Scan# 1235

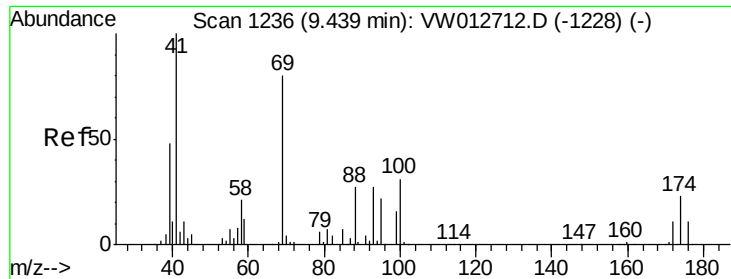
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	41	Resp:	33682
Ion	Ratio	Lower	Upper
41	100		
69	73.8	59.8	89.8
39	60.2	47.0	70.6





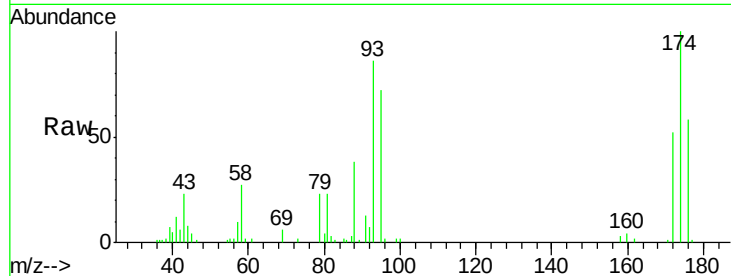
#49
1,4-Dioxane
Concen: 348.081 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	88	Resp	8062
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	85.2	64.1	96.1

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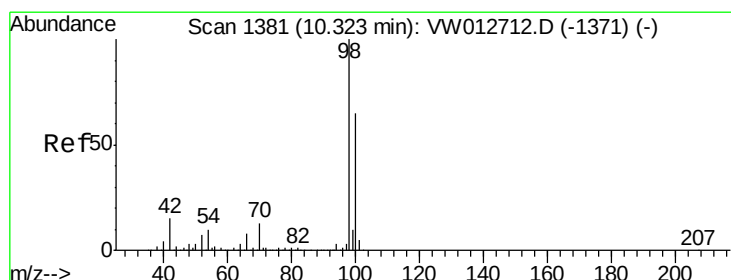
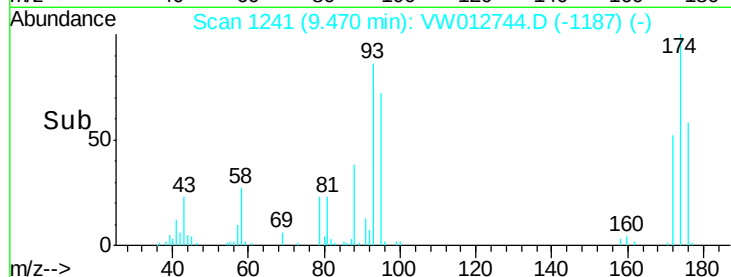
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

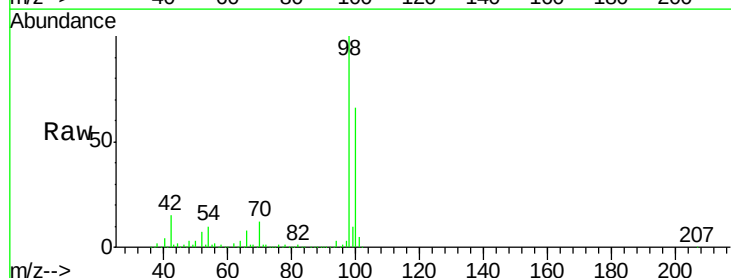
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
Toluene-d8
Concen: 51.968 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	98	Resp	438362
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

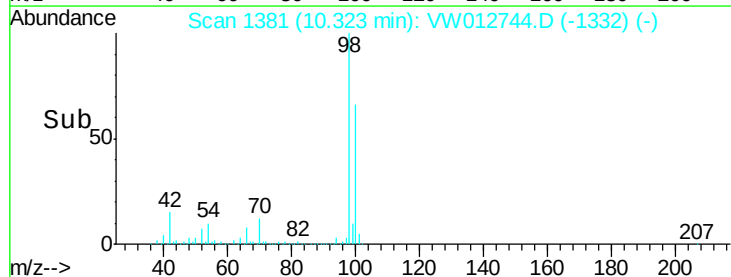


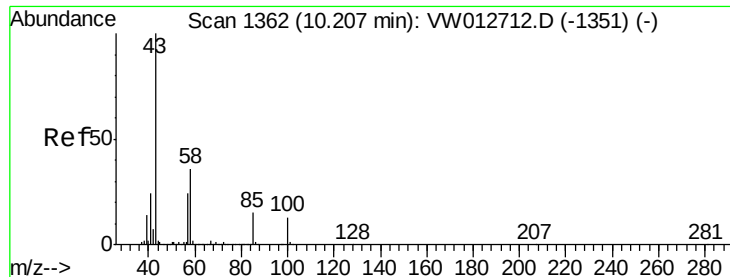
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





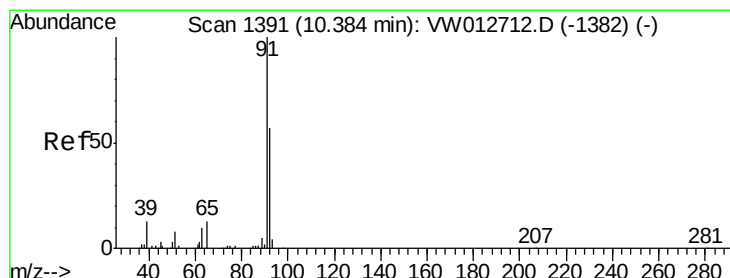
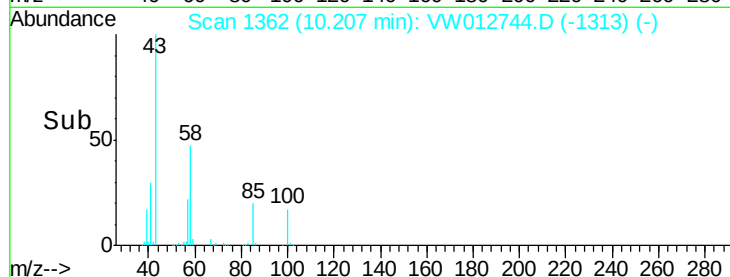
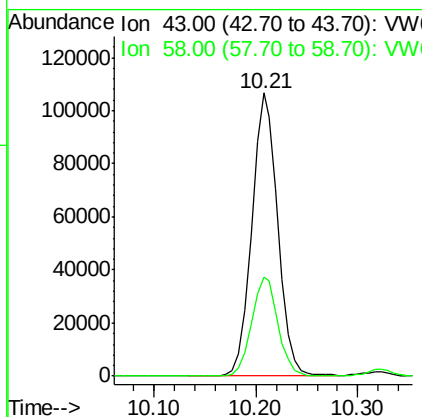
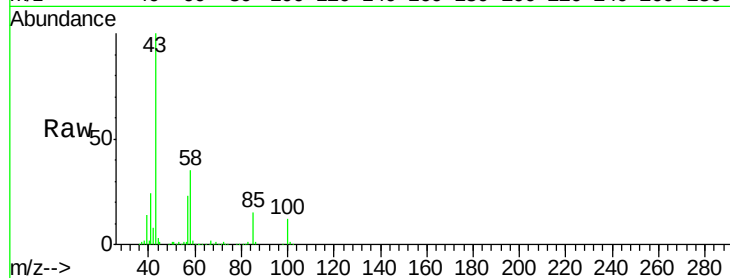
#51
4-Methyl-2-Pentanone
Concen: 92.314 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion	43	Resp	188249
Ion Ratio	100	Lower	Upper
43	100		
58	35.7	28.4	42.6

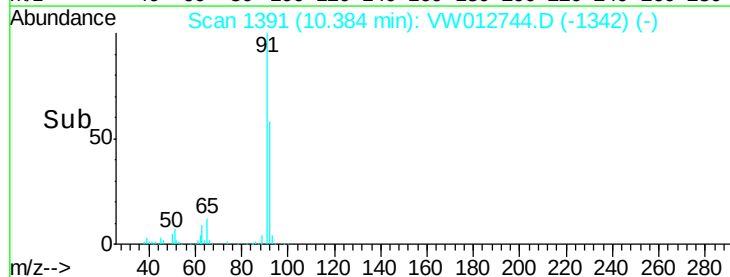
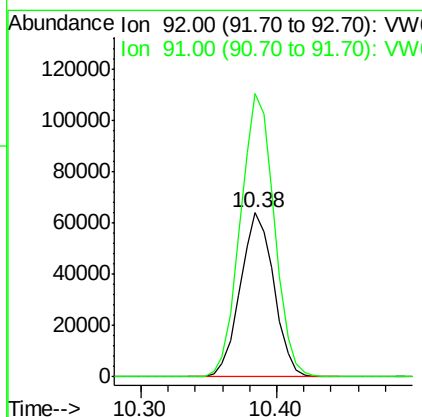
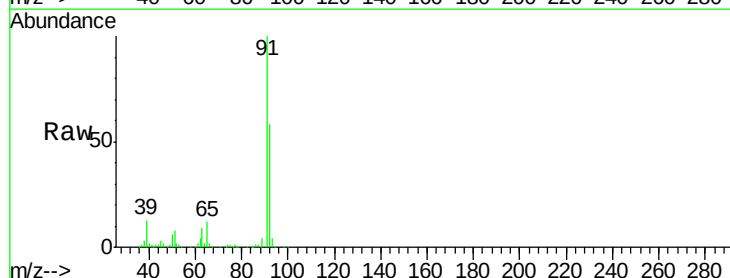
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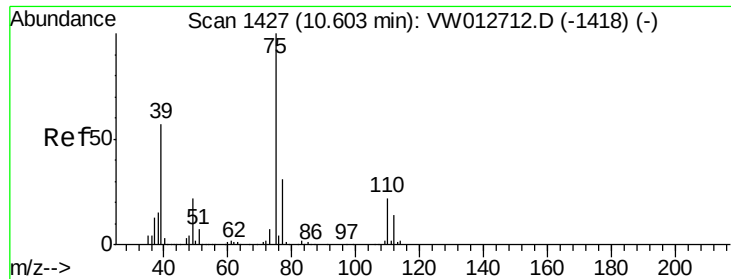
MMDadoda
9/10/2019 1:03:15 PM



#52
Toluene
Concen: 19.901 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	92	Resp	110892
Ion Ratio	100	Lower	Upper
92	100		
91	173.4	137.0	205.4





#53

t-1,3-Dichloropropene

Concen: 18.332 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 75 Resp: 60811

Ion Ratio Lower Upper

75 100

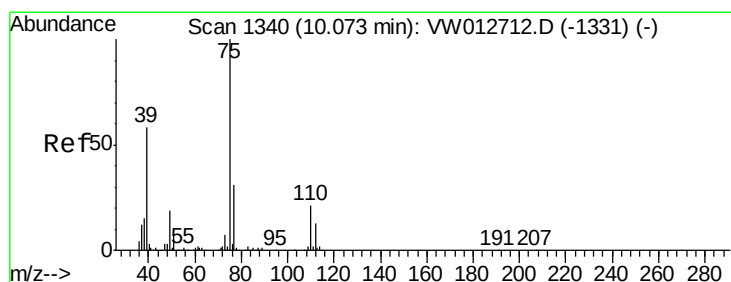
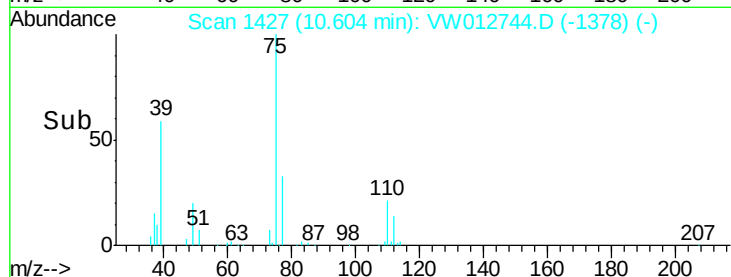
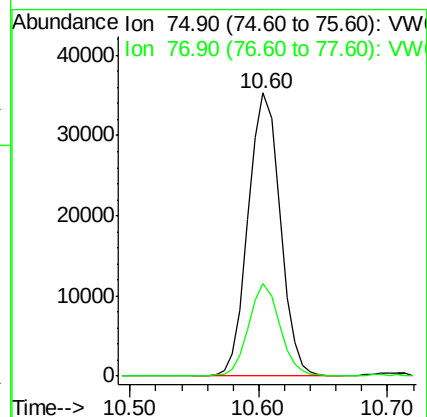
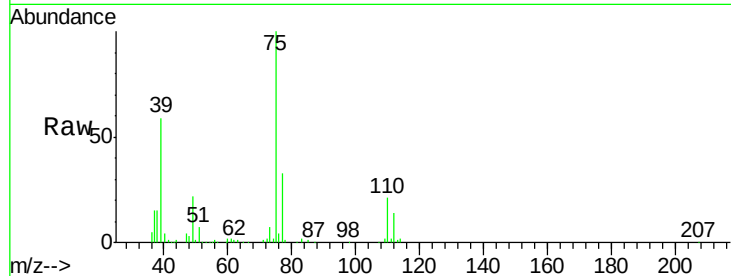
77 32.7 24.7 37.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.845 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

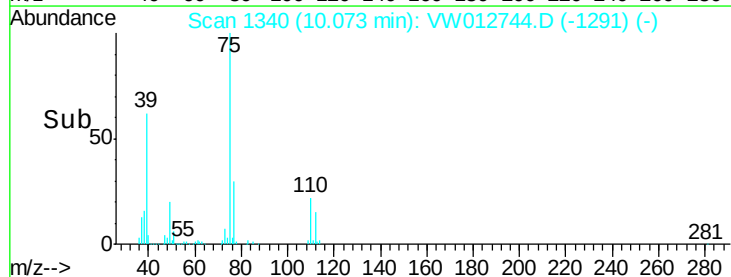
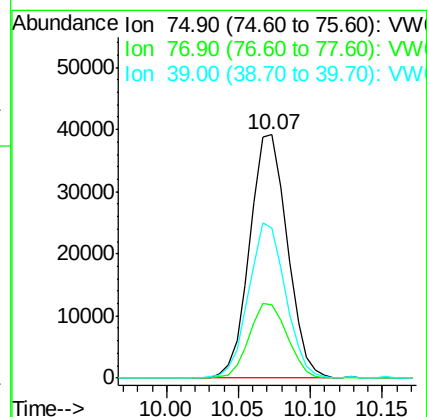
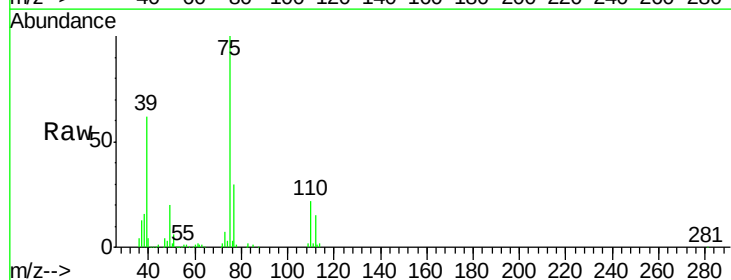
Tgt Ion: 75 Resp: 70913

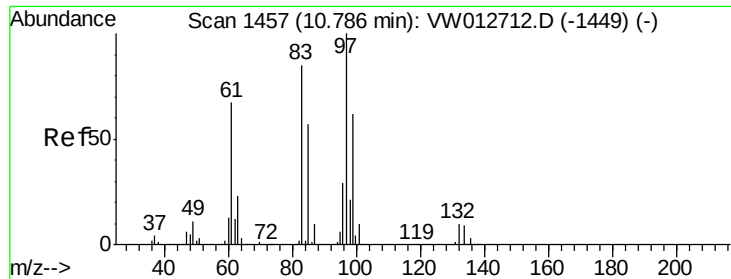
Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

39 61.6 46.3 69.5





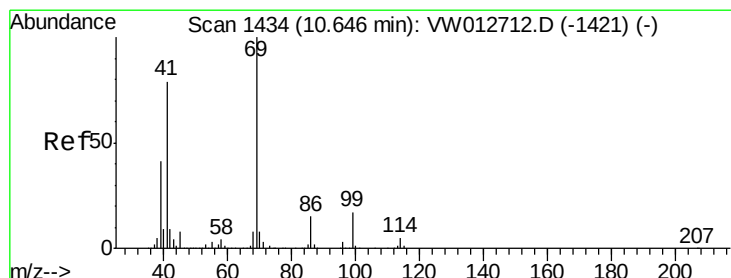
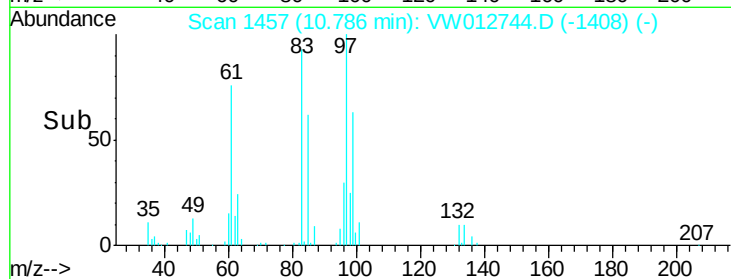
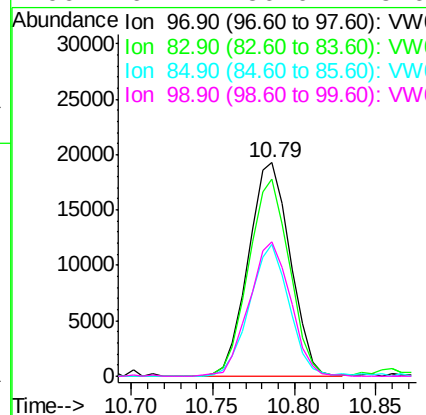
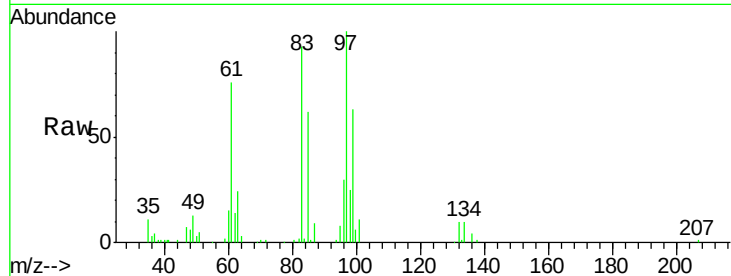
#55
 1,1,2-Trichloroethane
 Concen: 19.652 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	34498		
83	92.5	68.1	102.1	
85	61.8	45.3	67.9	
99	62.7	50.0	75.0	

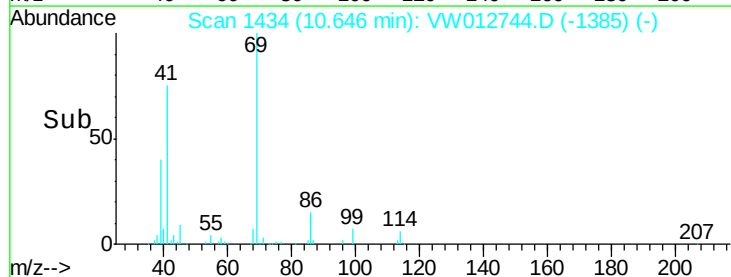
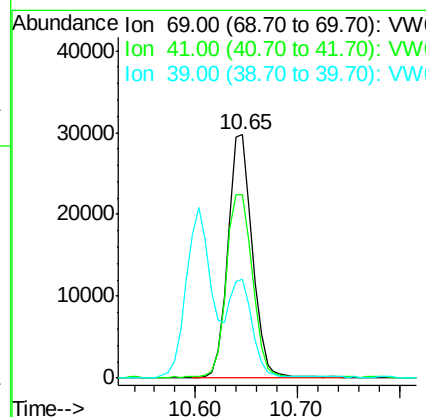
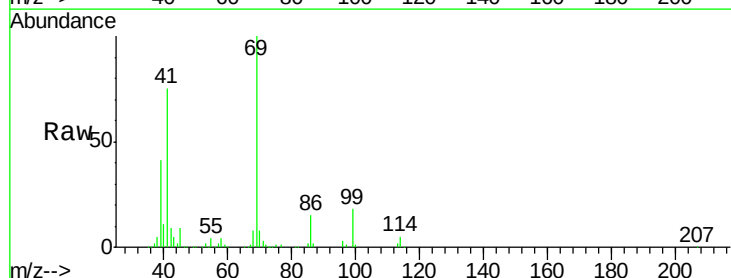
Manual Integrations
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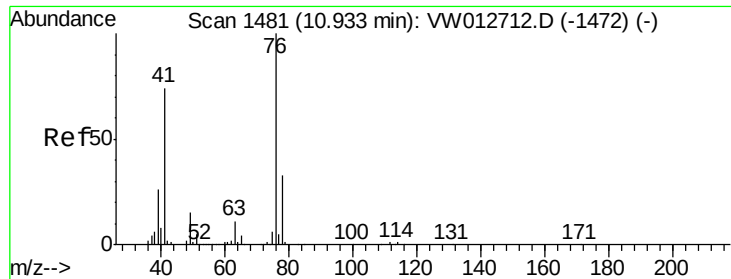
MMDadoda
 9/10/2019 1:03:15 PM



#56
 Ethyl methacrylate
 Concen: 19.236 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	49430		
41	81.1	64.4	96.6	
39	36.9	31.1	46.7	





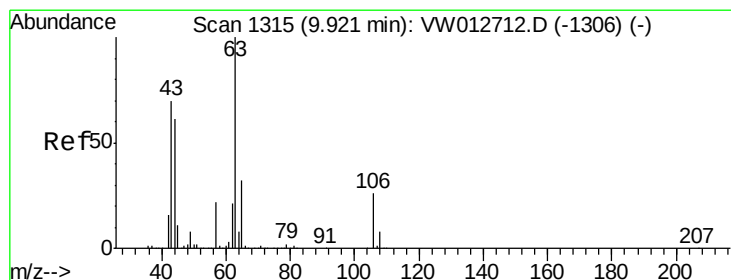
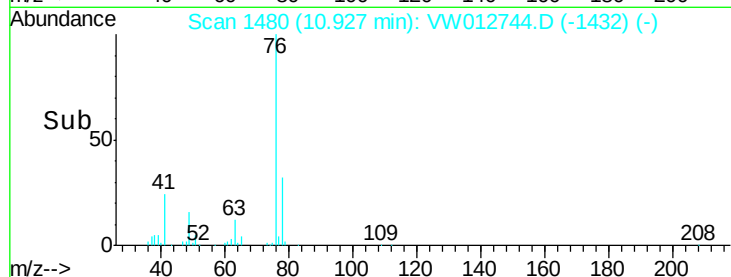
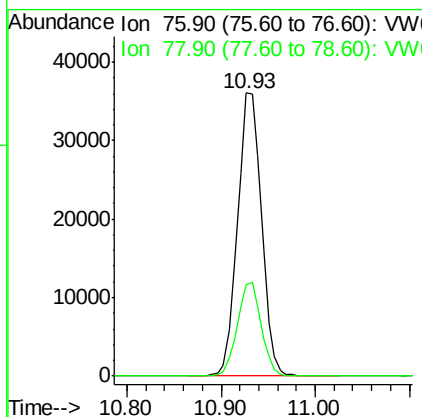
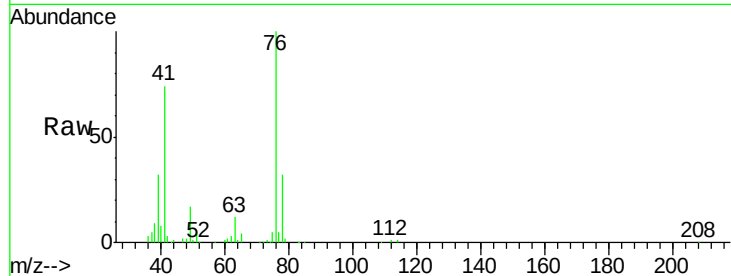
#57
 1,3-Dichloropropane
 Concen: 19.726 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion: 76 Resp: 64062
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9

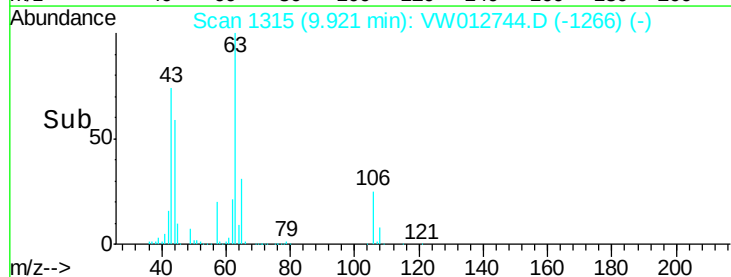
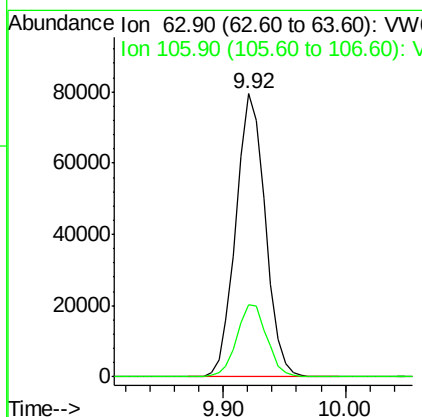
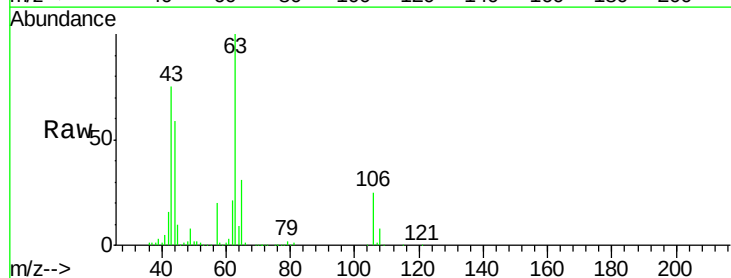
Manual Integrations
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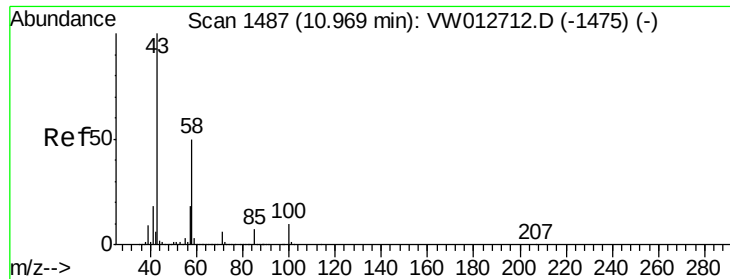
MMDadoda
 9/10/2019 1:03:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.177 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion: 63 Resp: 132566
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.5 30.7





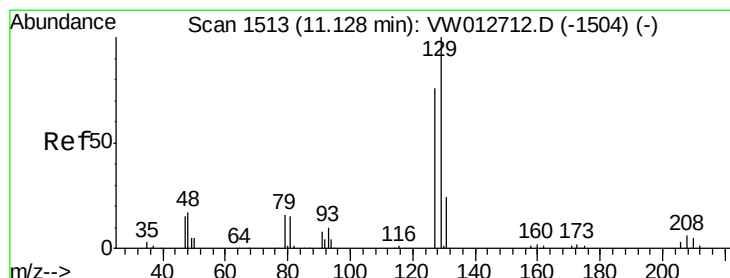
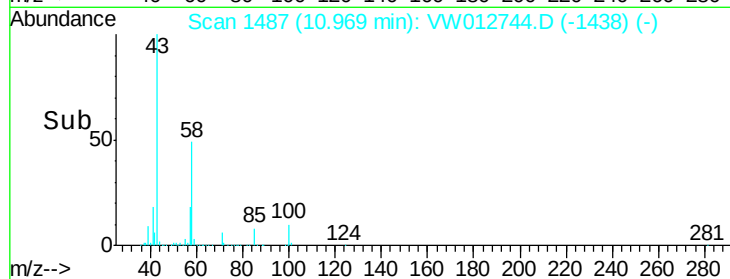
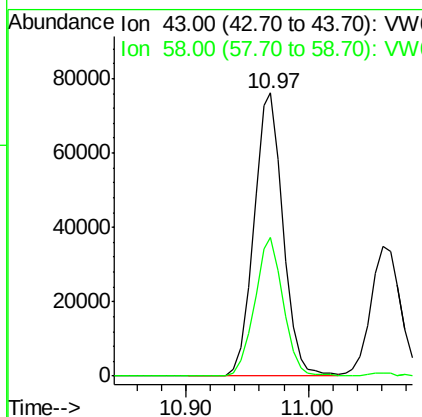
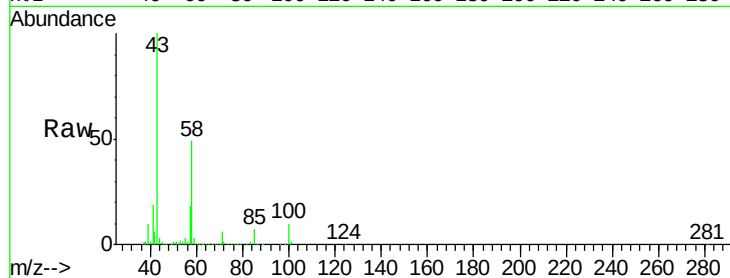
#59
2-Hexanone
Concen: 84.645 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion: 43 Resp: 126106
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1

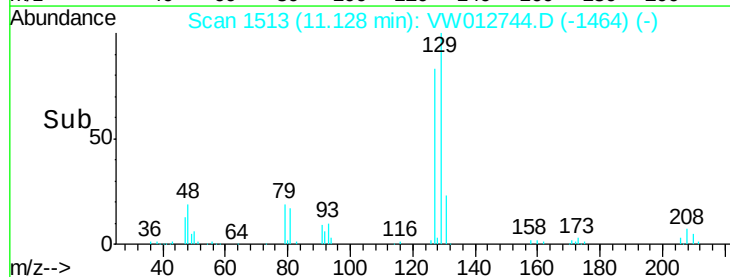
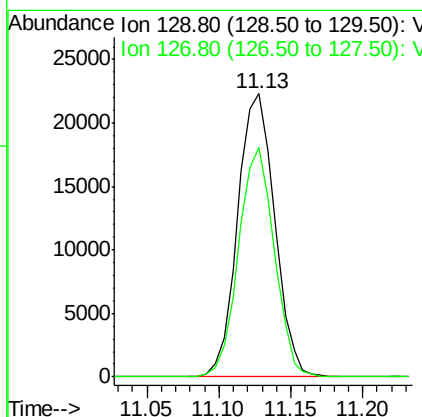
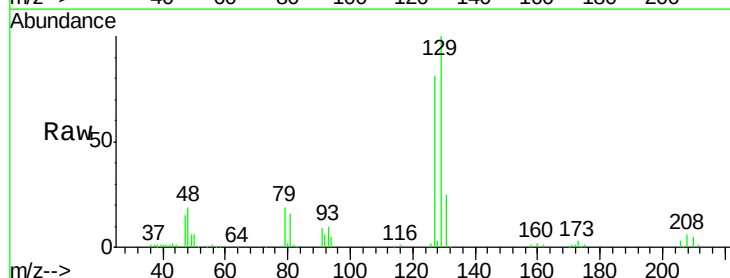
Manual Integrations
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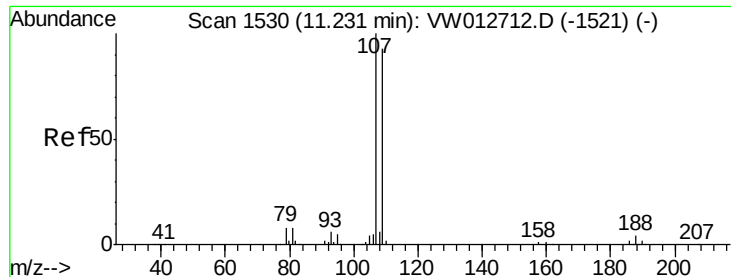
MMDadoda
9/10/2019 1:03:15 PM



#60
Dibromochloromethane
Concen: 19.293 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion: 129 Resp: 39832
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





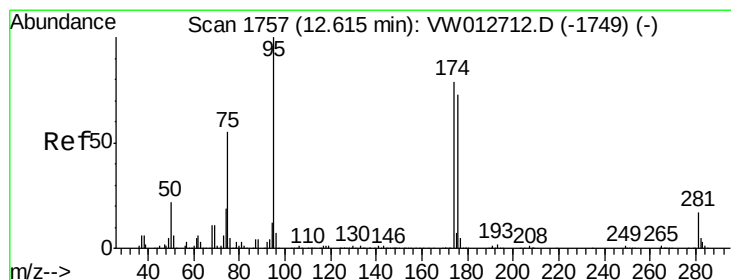
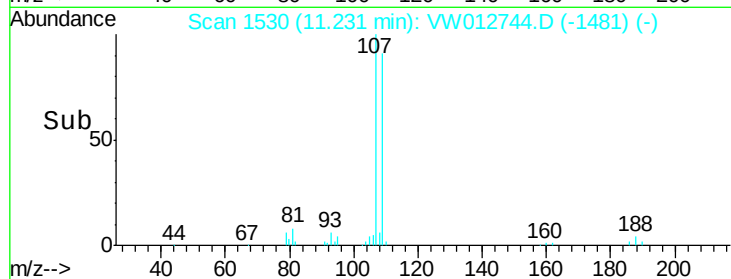
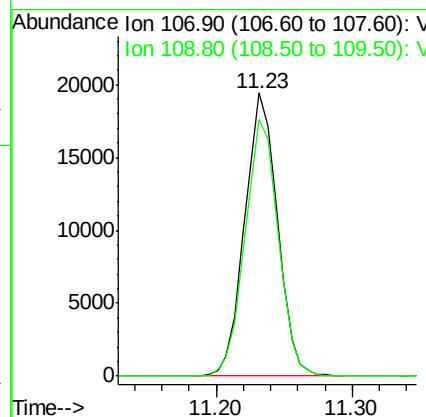
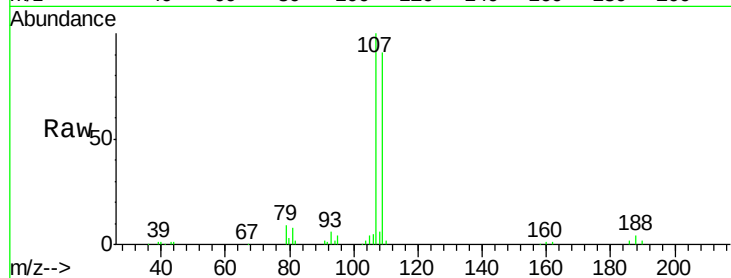
#61
 1,2-Dibromoethane
 Concen: 20.342 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.0	112.6

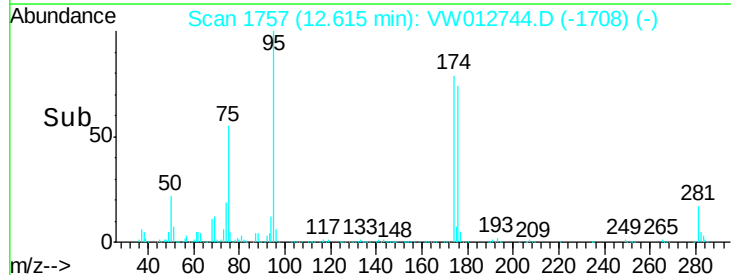
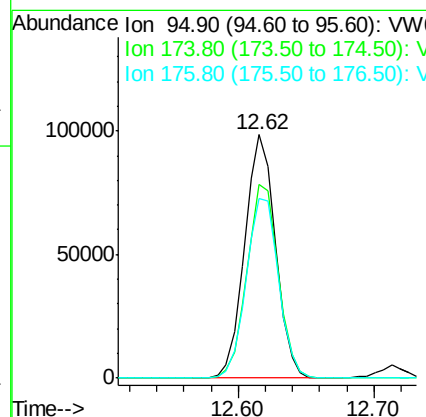
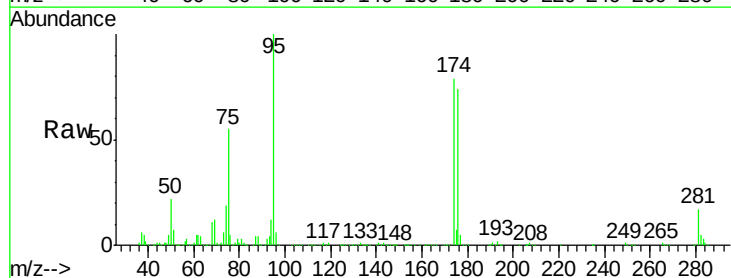
Manual Integrations
 APPROVED

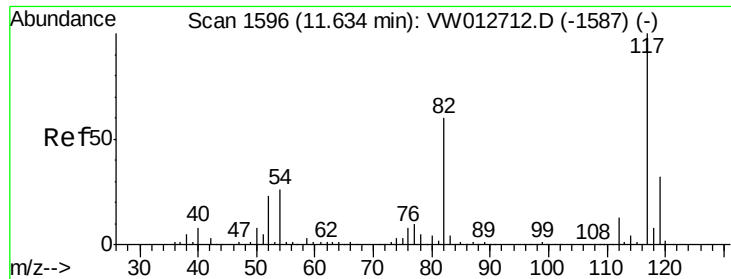
MMDadoda
 9/10/2019 1:03:15 PM



#62
 4-Bromofluorobenzene
 Concen: 50.864 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	161.0
176	77.6	0.0	156.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

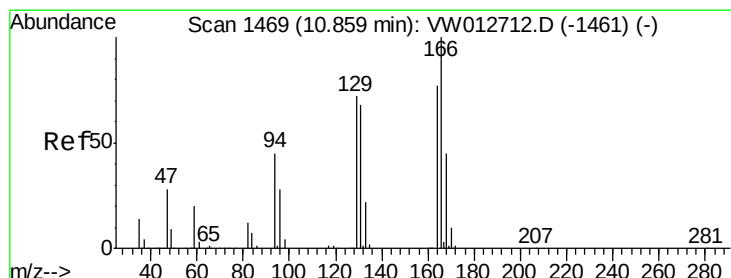
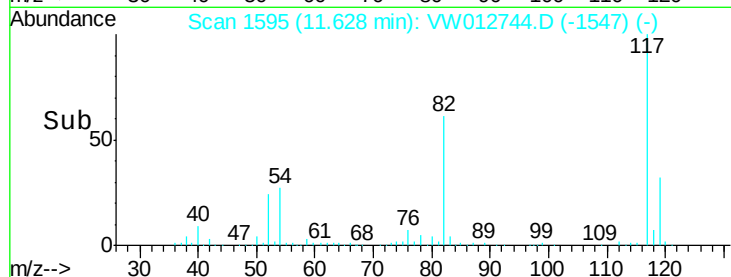
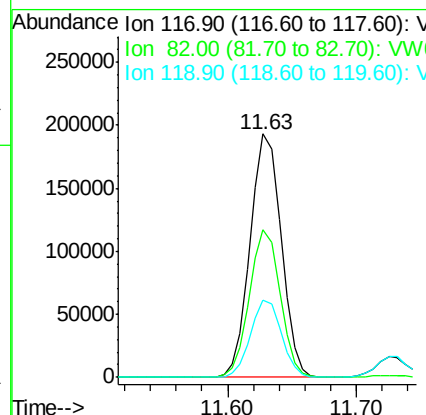
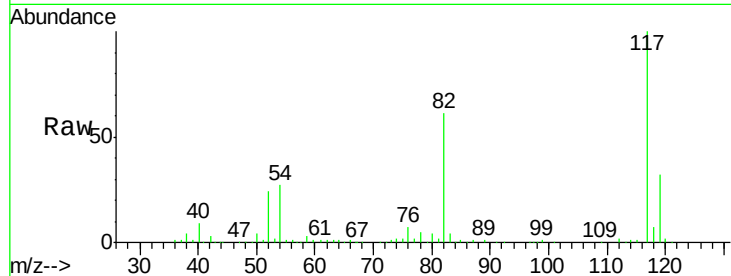
ClientSampleId :

VW0907SBS02

Tot Ion:	117	Resp:	322135
Ion Ratio	Lower	Upper	
117	100		
82	60.9	48.2	72.4
119	31.5	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.023 ug/l

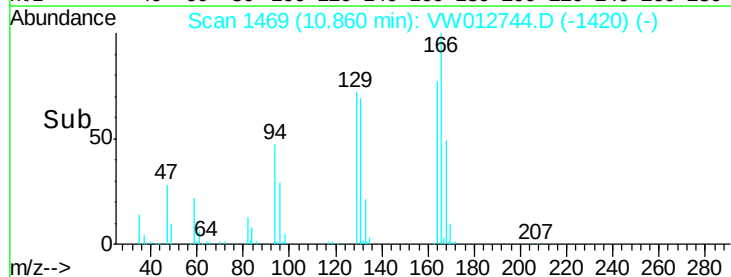
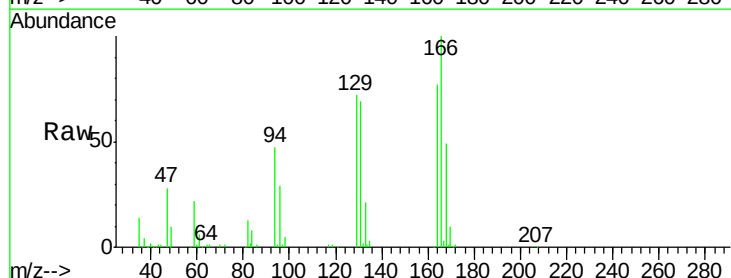
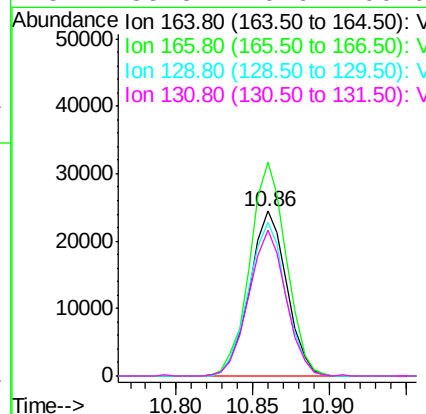
RT: 10.86 min Scan# 1469

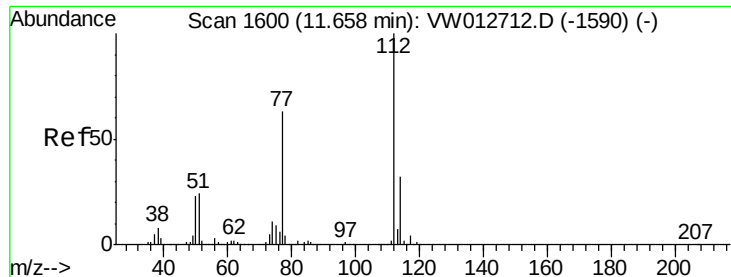
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	164	Resp:	41093
Ion Ratio	Lower	Upper	
164	100		
166	129.5	103.6	155.4
129	93.3	74.6	112.0
131	88.8	70.6	106.0





#65

Chlorobenzene

Concen: 19.698 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:112 Resp: 119932

Ion Ratio Lower Upper

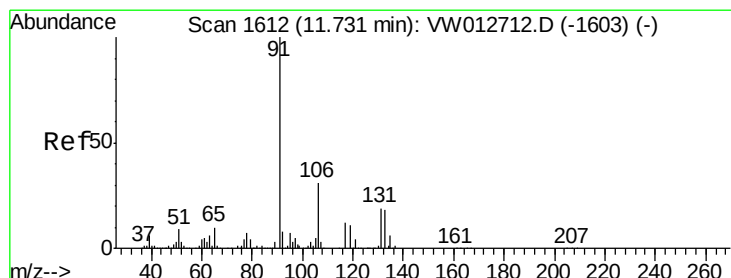
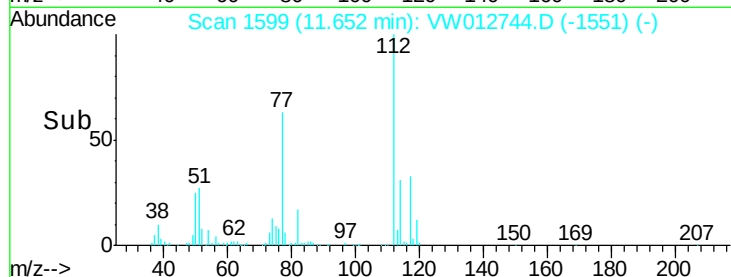
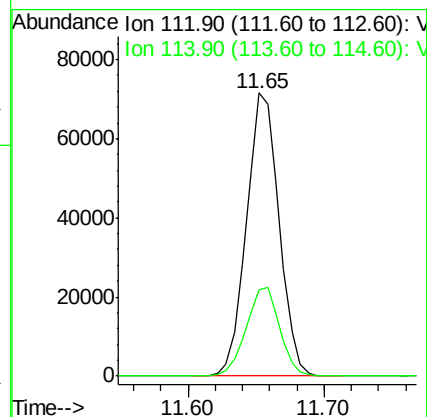
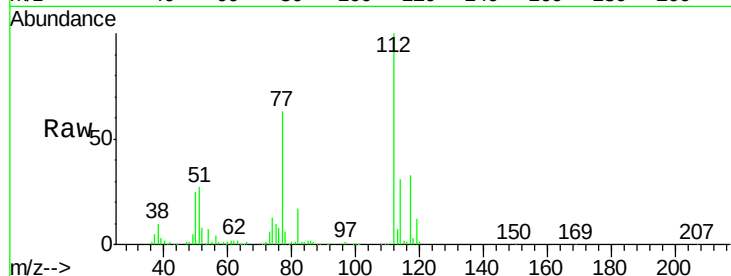
112 100

114 30.7 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

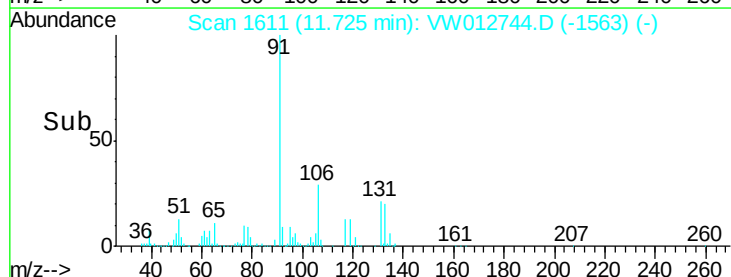
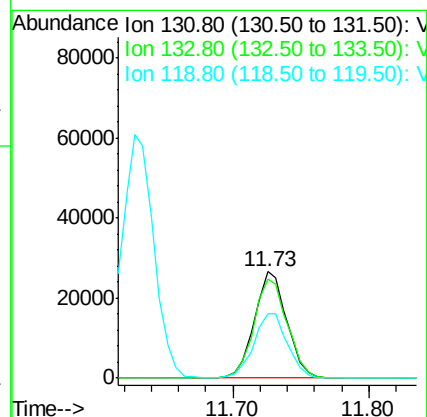
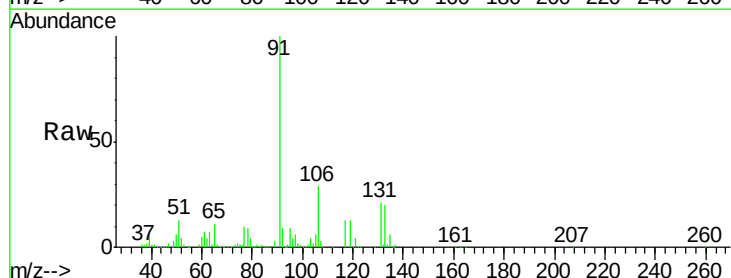
Tgt Ion:131 Resp: 44303

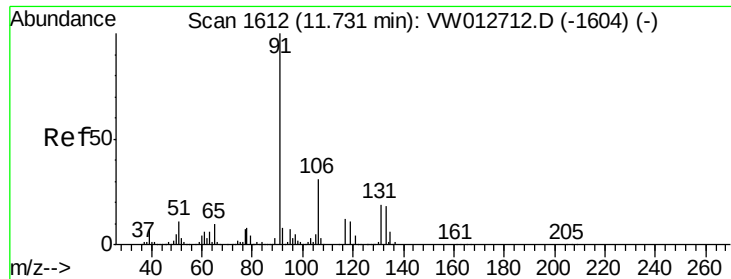
Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.8

119 63.3 30.6 92.0





#67

Ethyl Benzene

Concen: 18.699 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 91 Resp: 213603

Ion Ratio Lower Upper

91 100

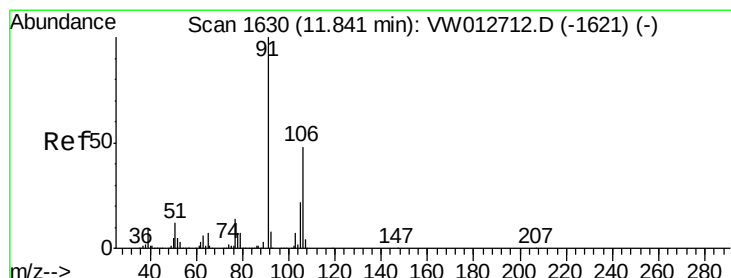
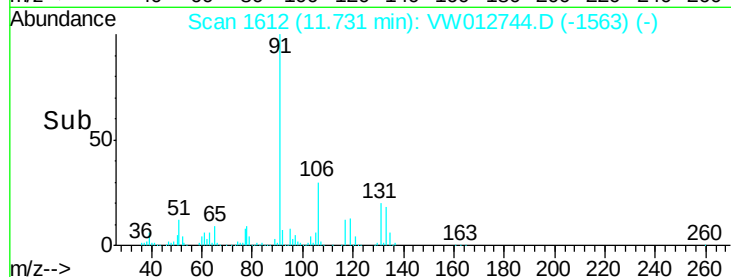
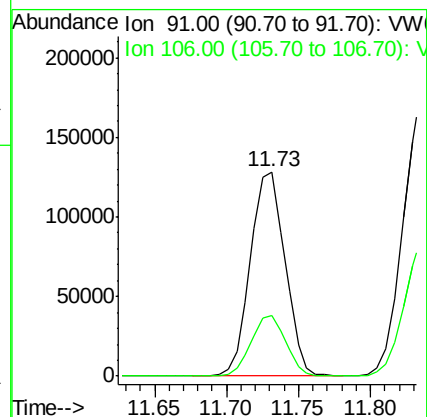
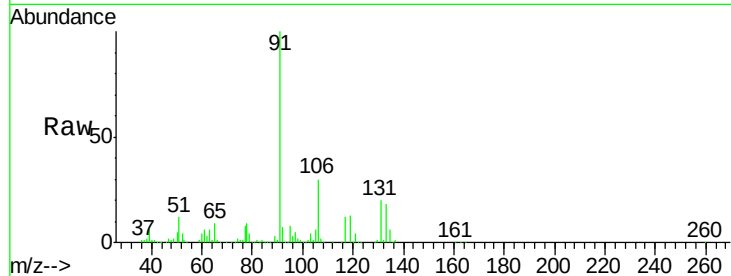
106 29.9 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.978 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012744.D

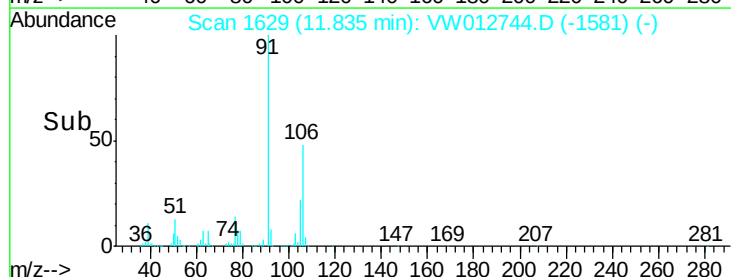
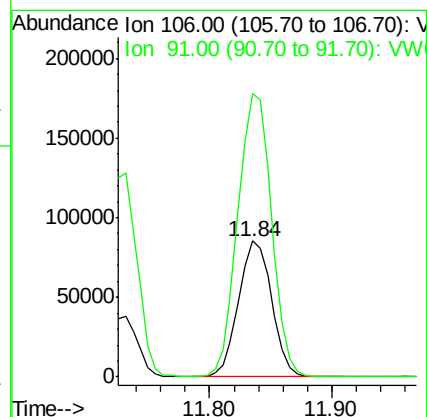
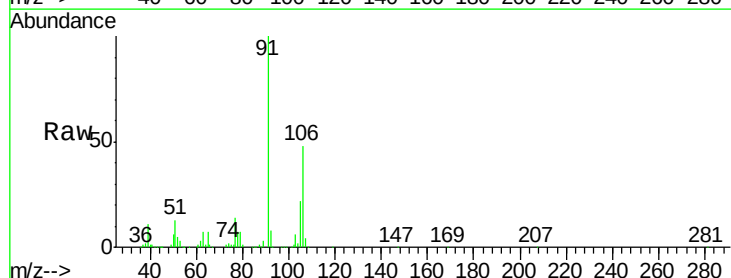
Acq: 08 Sep 2019 03:40

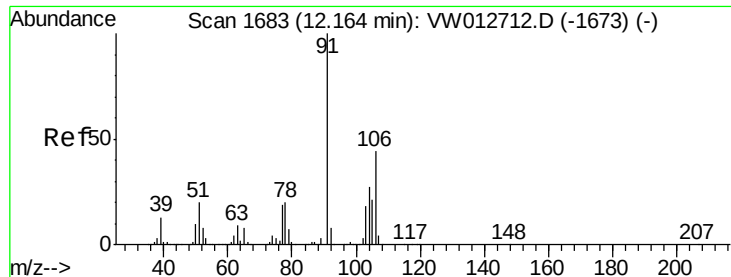
Tgt Ion: 106 Resp: 160721

Ion Ratio Lower Upper

106 100

91 211.6 168.2 252.4





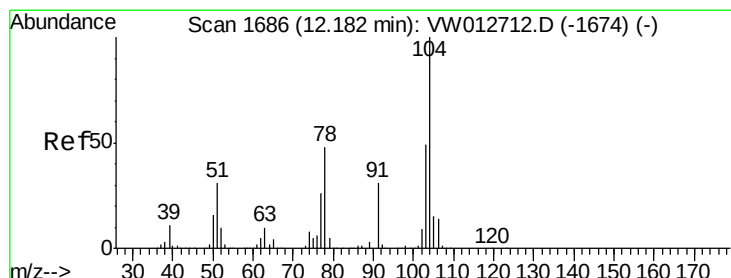
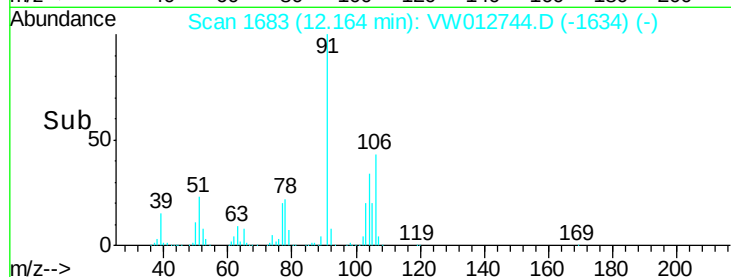
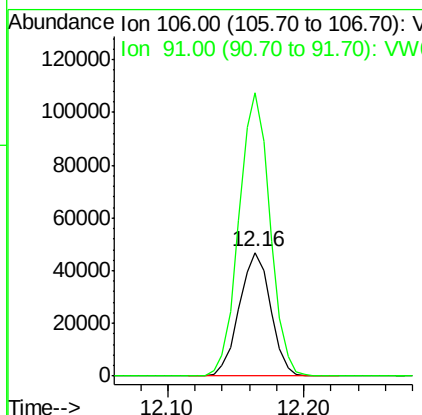
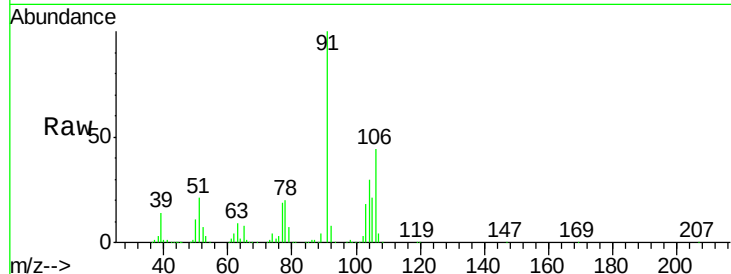
#69
o-Xylene
Concen: 19.424 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

Tot Ion:106 Resp: 75562
Ion Ratio Lower Upper
106 100
91 226.8 112.3 336.8

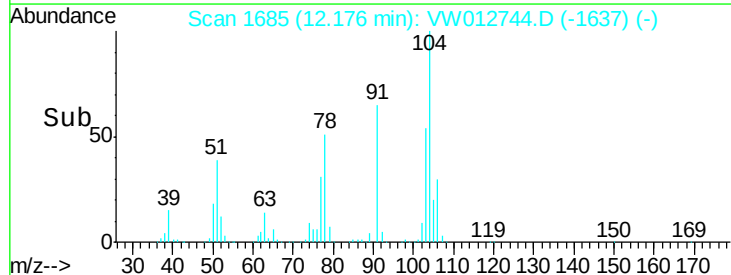
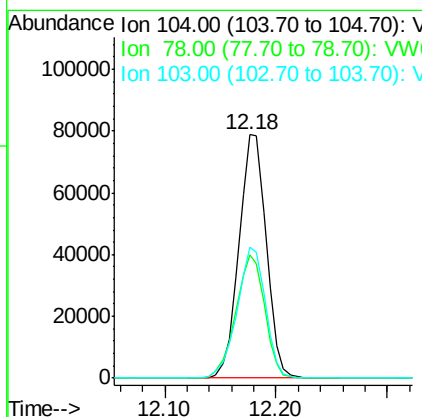
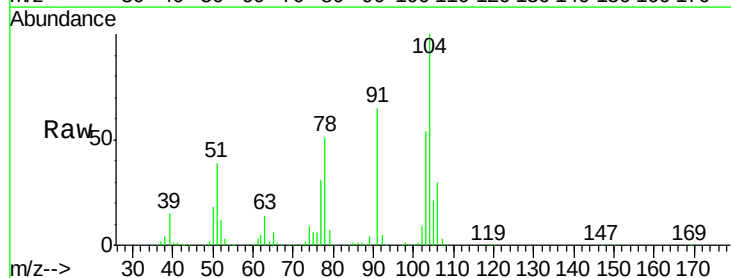
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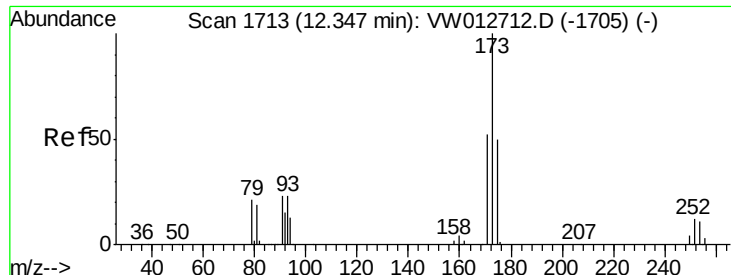
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#70
Styrene
Concen: 19.490 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion:104 Resp: 133976
Ion Ratio Lower Upper
104 100
78 53.4 43.3 64.9
103 55.8 44.0 66.0





#71

Bromoform

Concen: 18.662 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:173 Resp: 23509

Ion Ratio Lower Upper

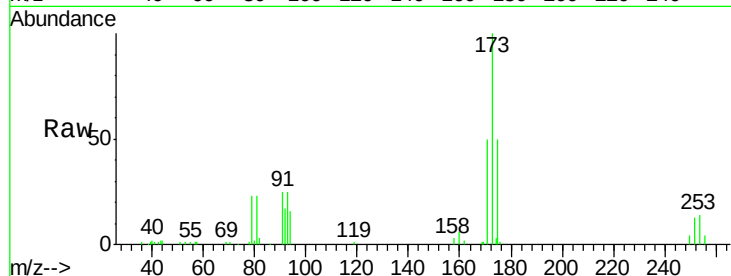
173 100

175 47.6 24.8 74.3

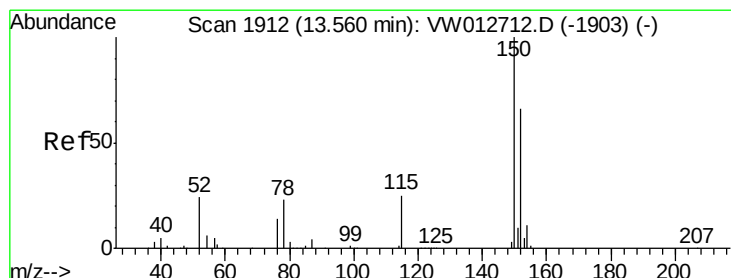
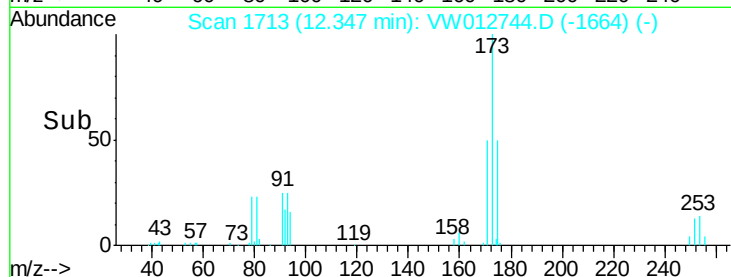
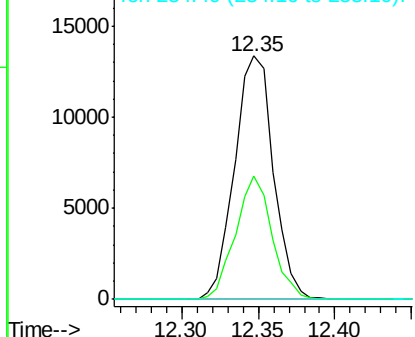
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

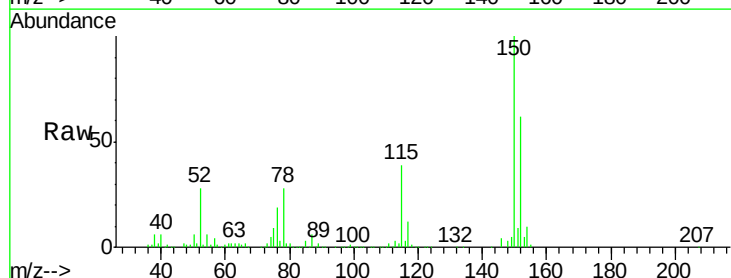
Tgt Ion:152 Resp: 159273

Ion Ratio Lower Upper

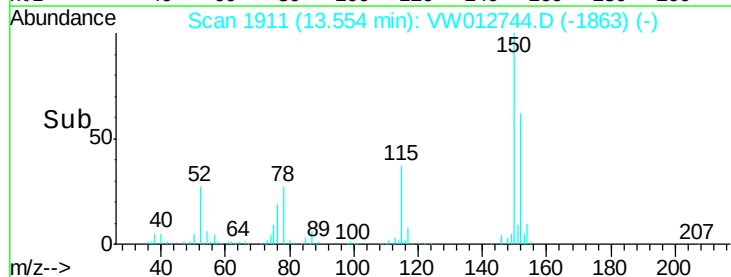
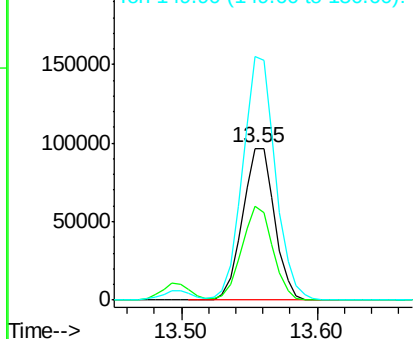
152 100

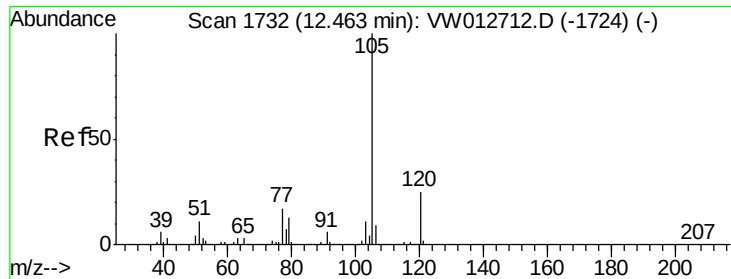
115 59.8 30.0 90.1

150 163.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.018 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:105 Resp: 205834

Ion Ratio Lower Upper

105 100

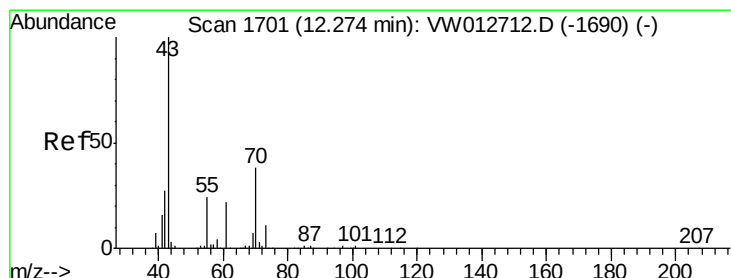
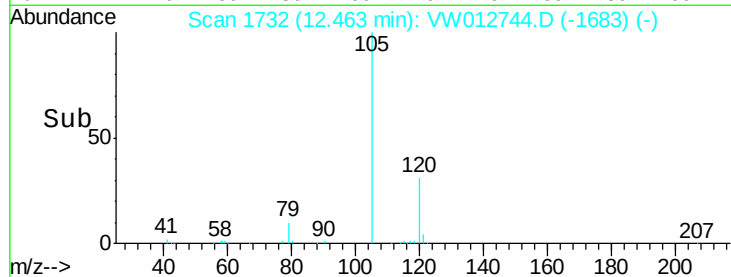
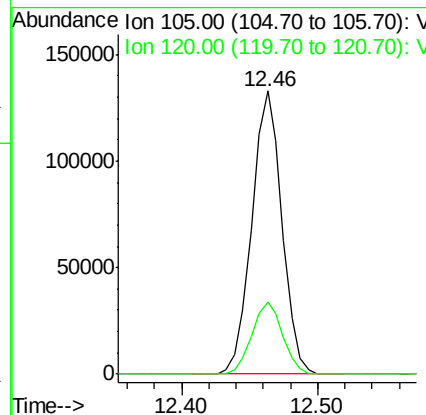
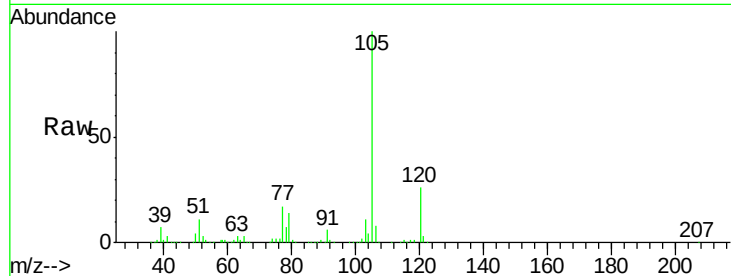
120 26.1 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.328 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion: 43 Resp: 62830

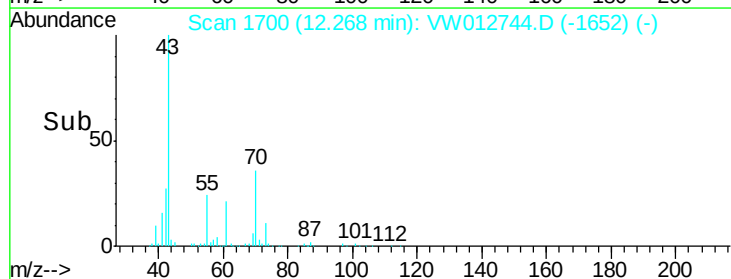
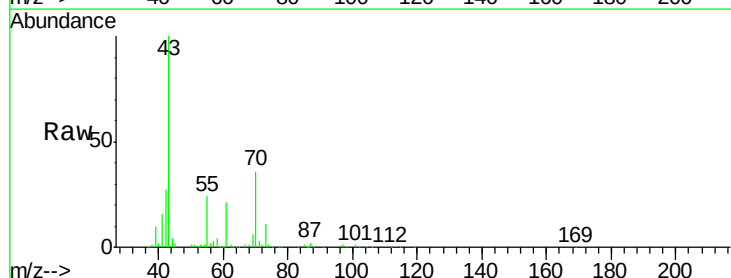
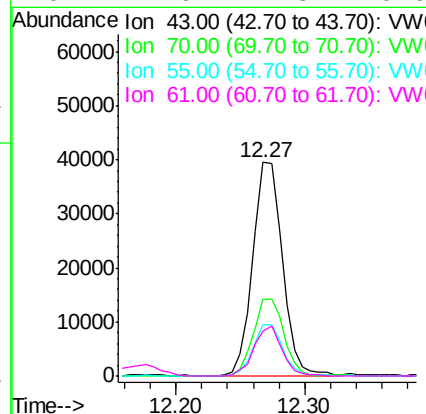
Ion Ratio Lower Upper

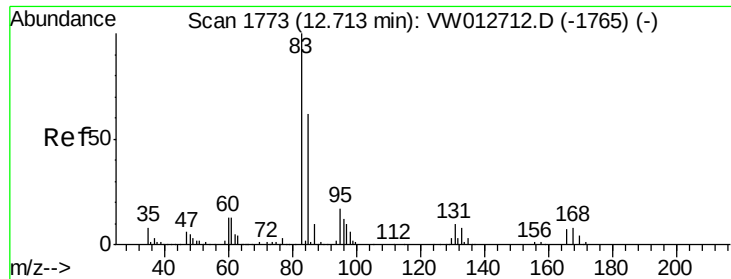
43 100

70 36.7 29.4 44.0

55 23.8 18.6 27.8

61 21.9 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.171 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

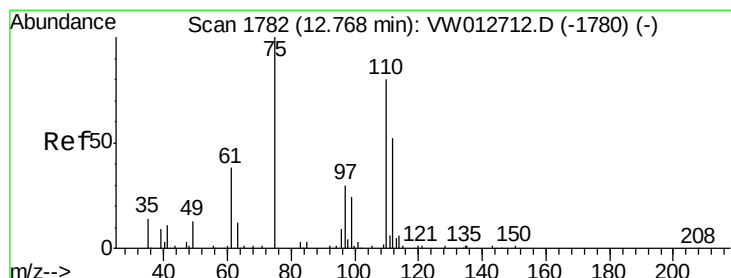
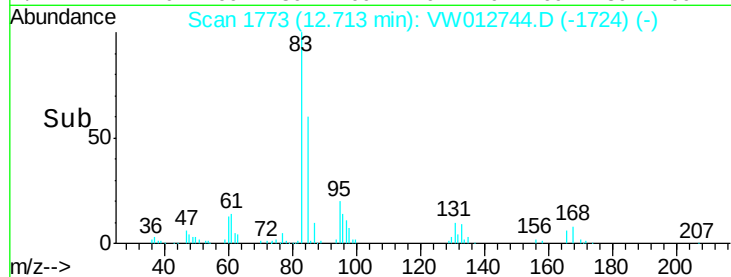
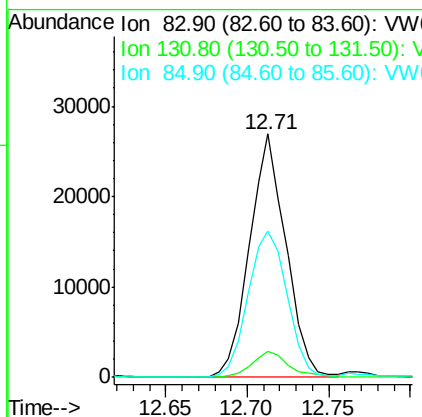
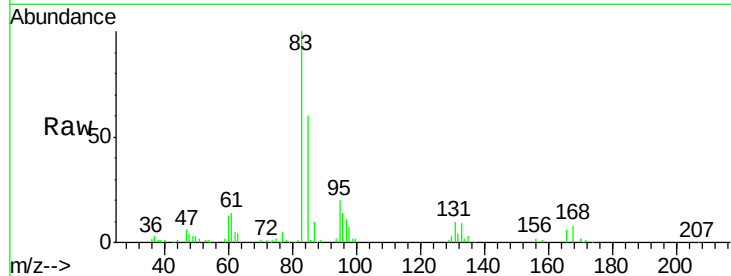
ClientSampleId :

VW0907SBS02

Tot Ion:	83	Resp:	41687
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.1	15.4
85	64.6	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.144 ug/l m

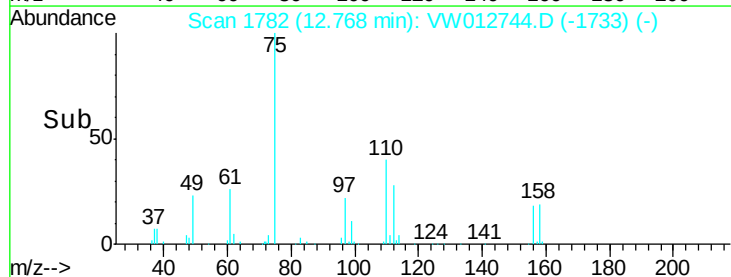
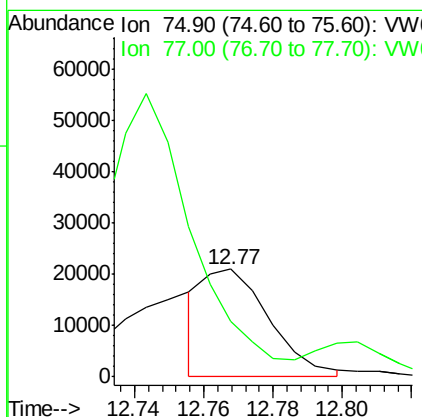
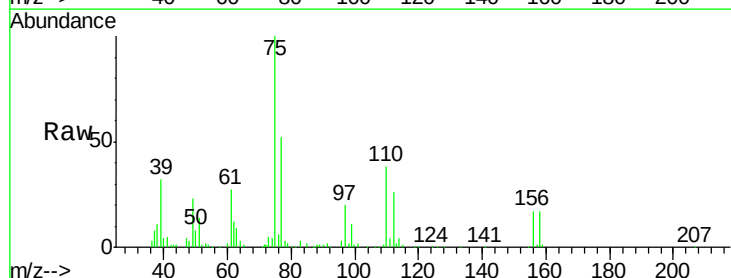
RT: 12.77 min Scan# 1782

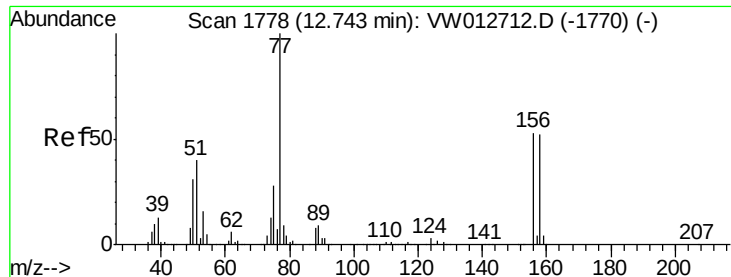
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	75	Resp:	27922
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.624 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:156 Resp: 50788

Ion Ratio Lower Upper

156 100

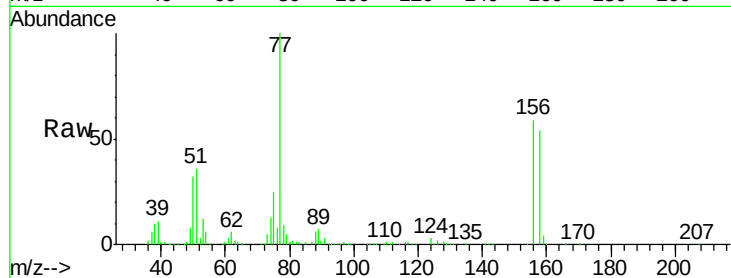
77 194.6 102.3 306.9

158 96.7 48.9 146.8

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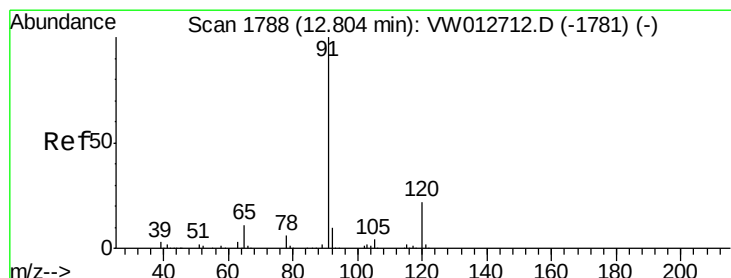
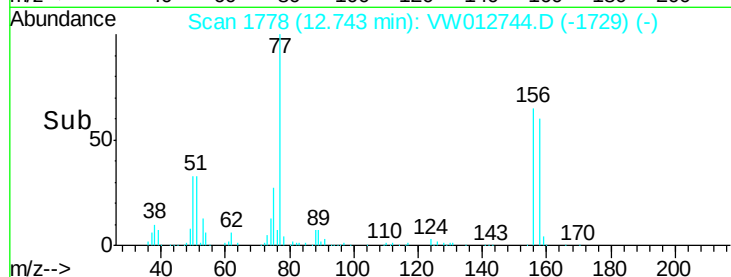
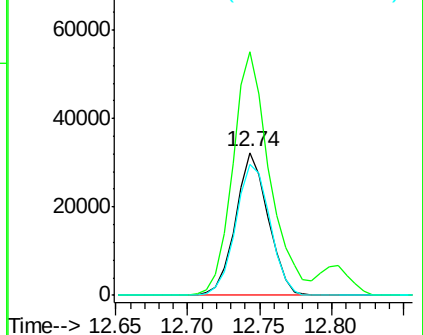
9/10/2019 1:03:15 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.260 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012744.D

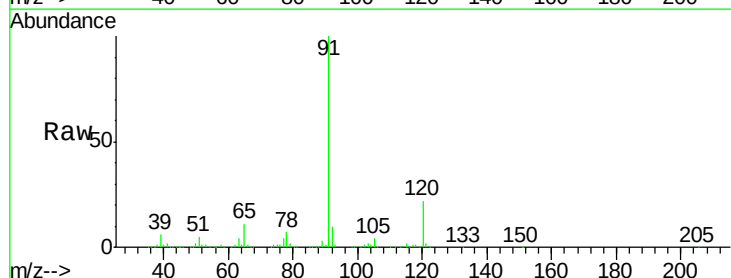
Acq: 08 Sep 2019 03:40

Tgt Ion: 91 Resp: 249473

Ion Ratio Lower Upper

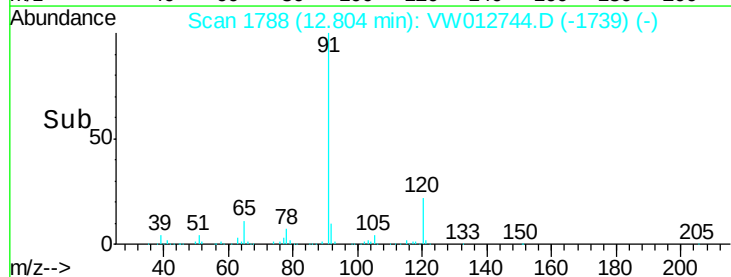
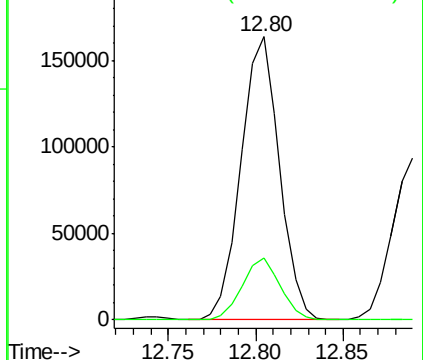
91 100

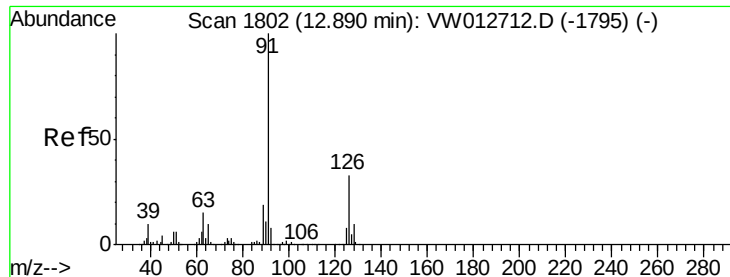
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.170 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion: 91 Resp: 150354

Ion Ratio Lower Upper

91 100

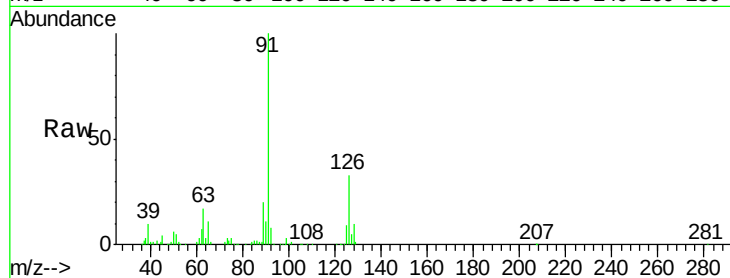
126 32.5 16.1 48.3

Manual Integrations

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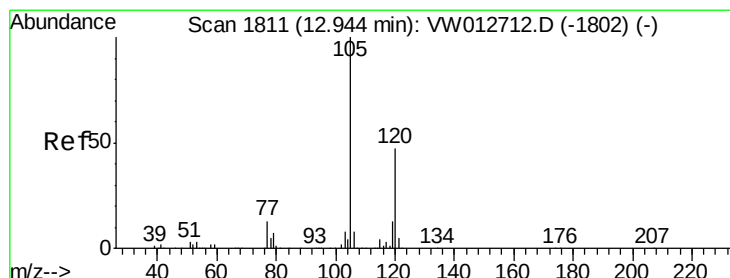
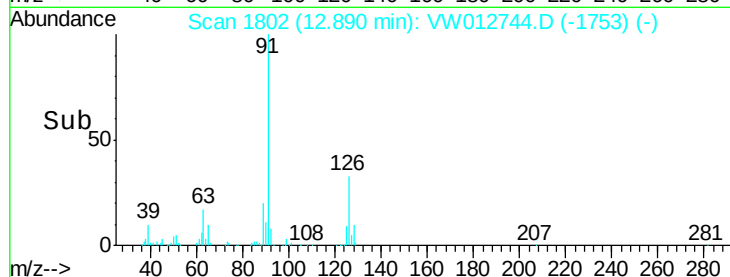
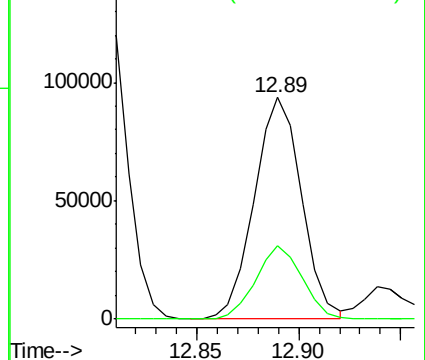
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.276 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012744.D

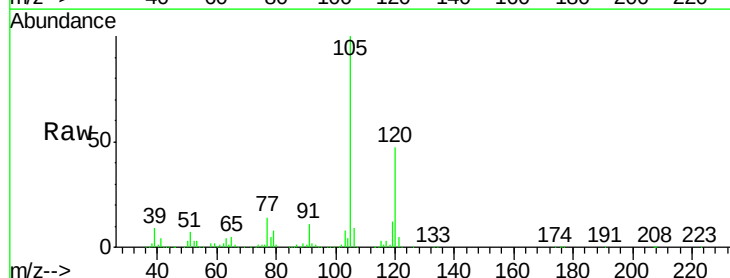
Acq: 08 Sep 2019 03:40

Tgt Ion: 105 Resp: 185546

Ion Ratio Lower Upper

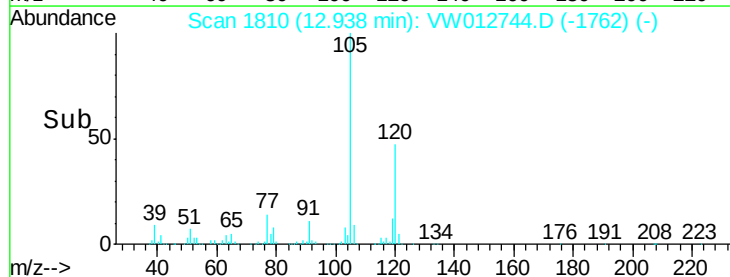
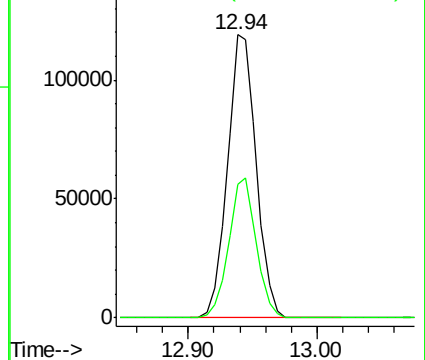
105 100

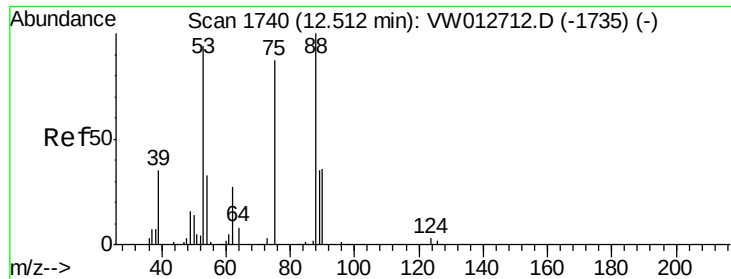
120 47.5 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.294 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

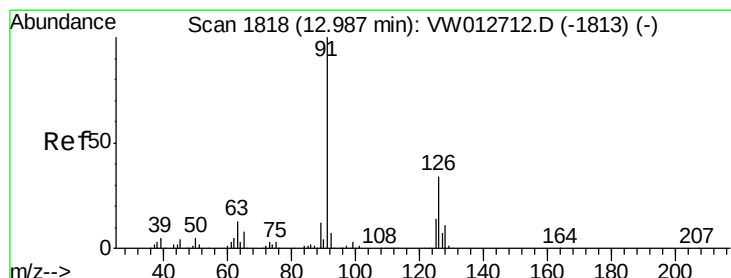
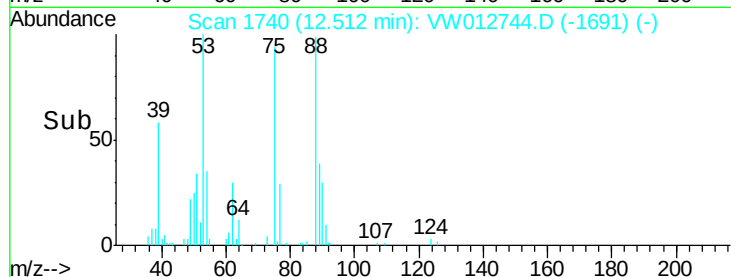
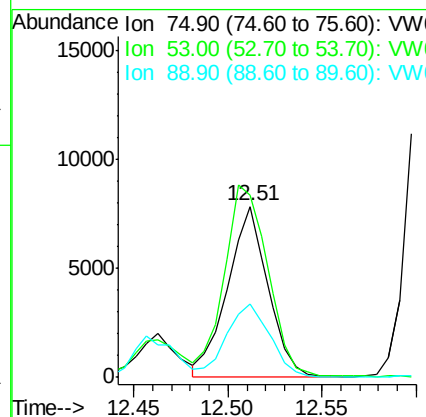
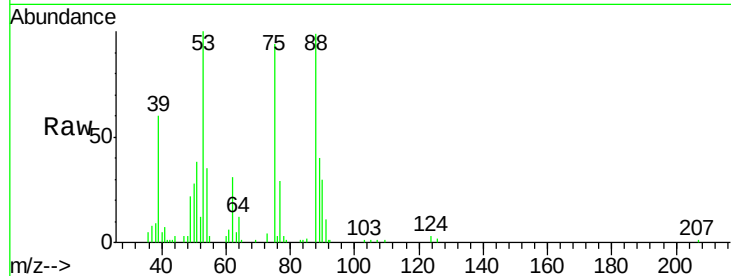
ClientSampleId :

VW0907SBS02

Tot Ion:	75	Resp:	11777
Ion	Ratio	Lower	Upper
75	100		
53	119.2	87.6	131.4
89	46.1	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.014 ug/l

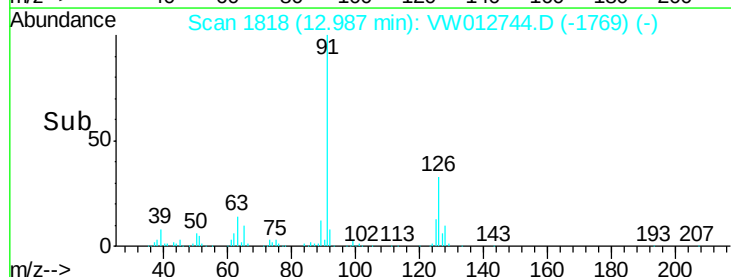
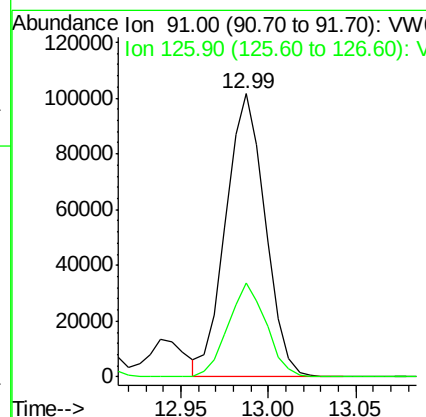
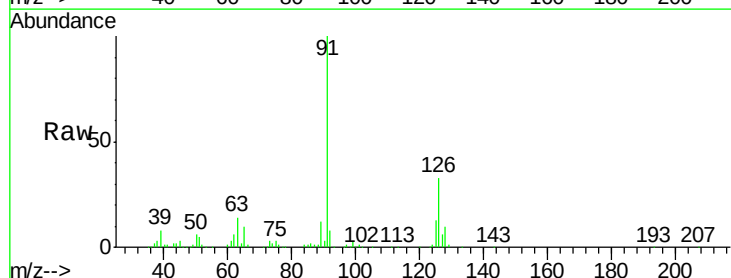
RT: 12.99 min Scan# 1818

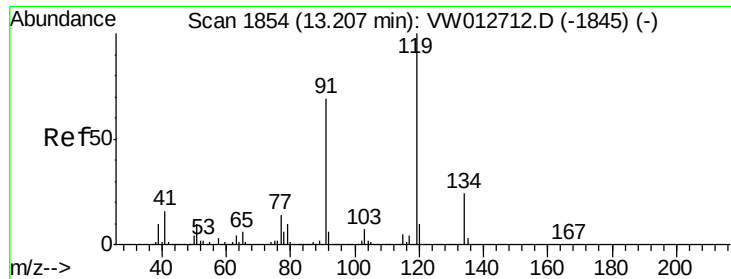
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	91	Resp:	157748
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.6





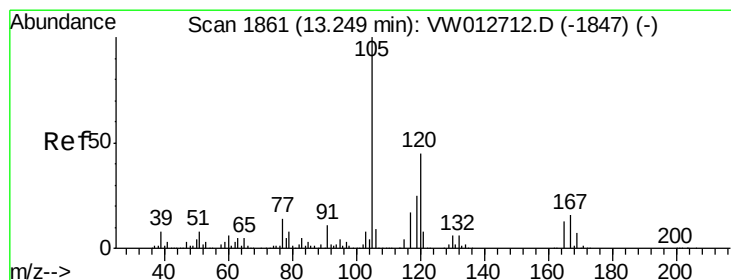
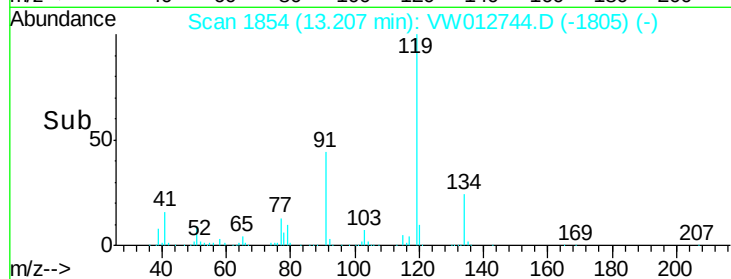
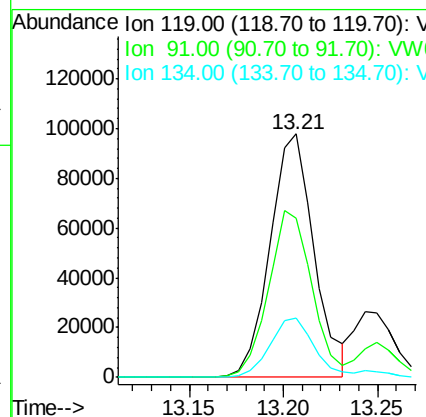
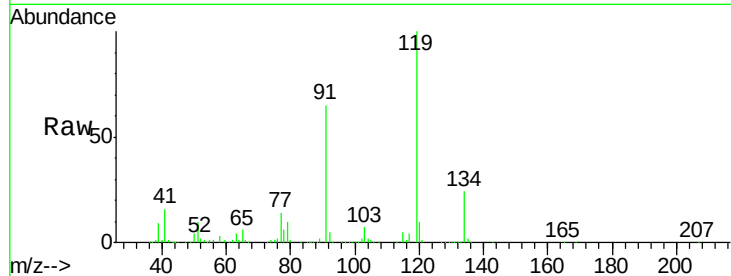
#83
 tert-Butylbenzene
 Concen: 18.598 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158294		
91	67.5	34.2	102.5	
134	24.5	12.3	36.9	

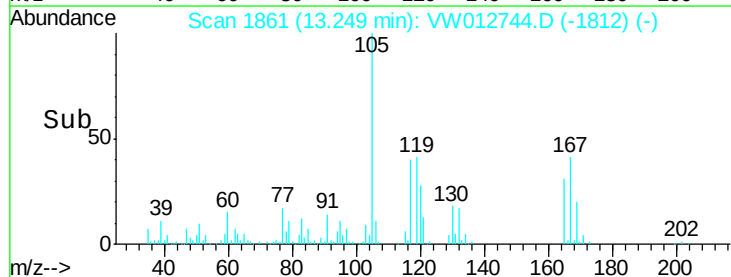
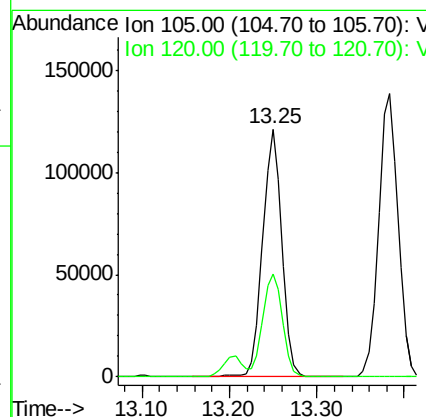
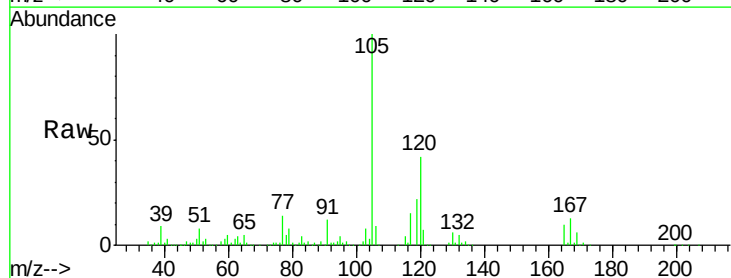
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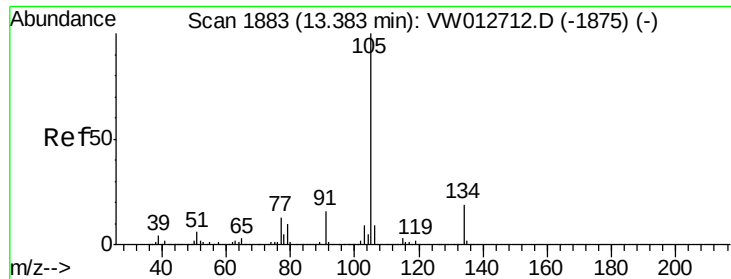
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.958 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183882		
120	42.3	22.1	66.3	





#85

sec-Butylbenzene

Concen: 18.123 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS02

Tot Ion:105 Resp: 214049

Ion Ratio Lower Upper

105 100

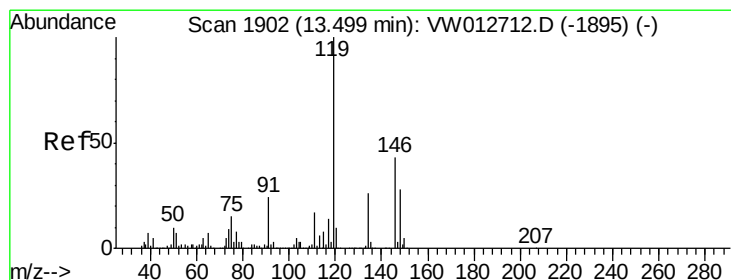
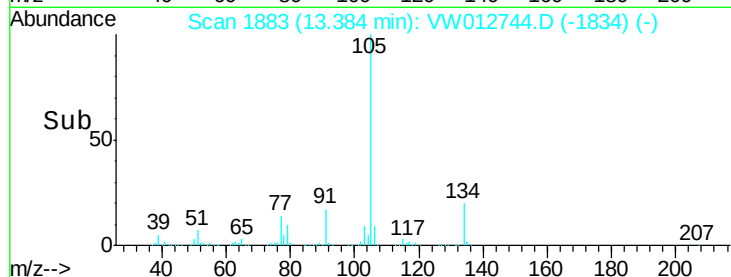
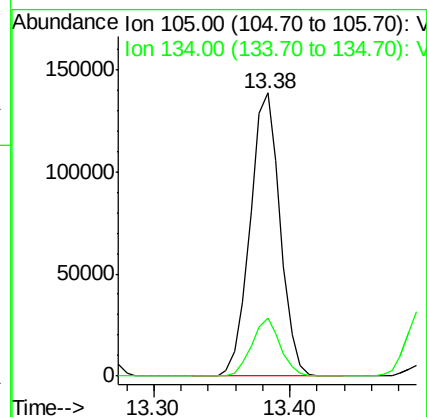
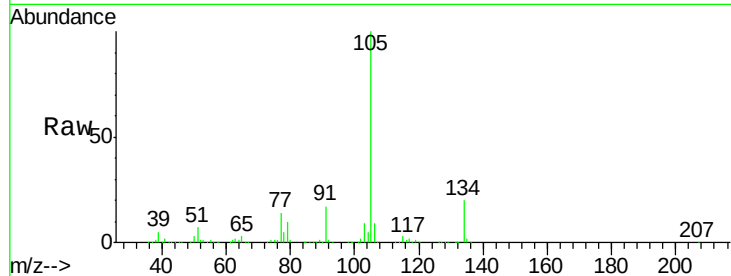
134 19.4 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.363 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

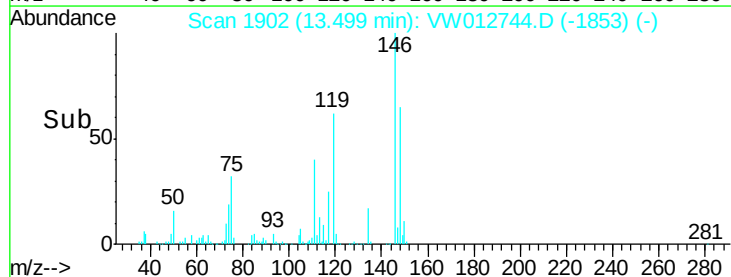
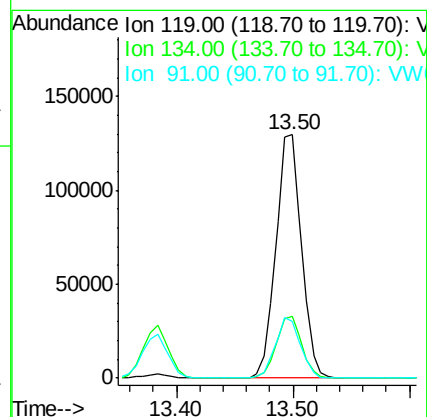
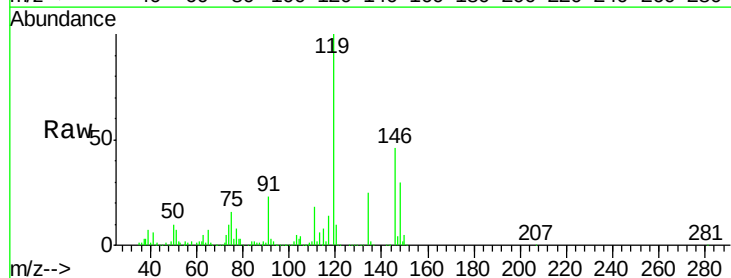
Tgt Ion:119 Resp: 198105

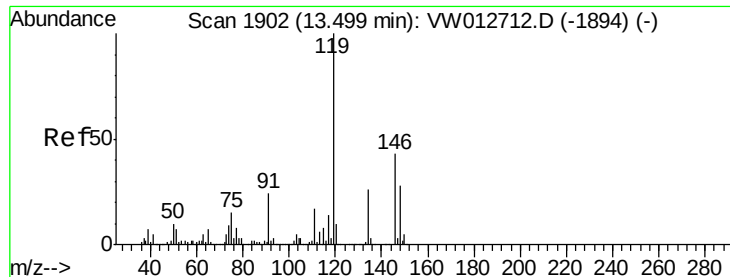
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.5 12.2 36.6





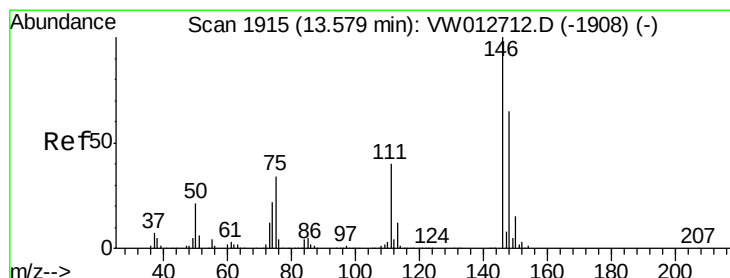
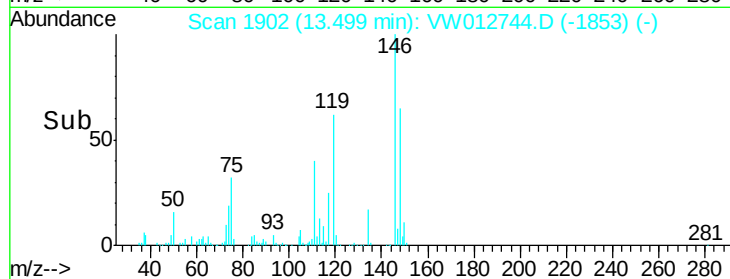
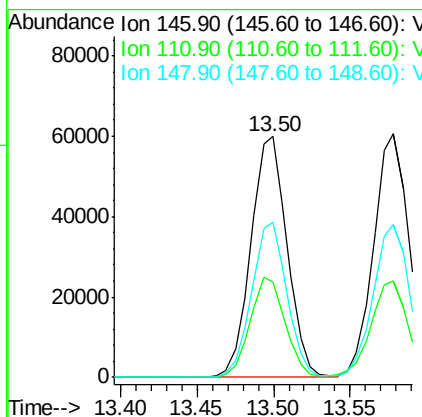
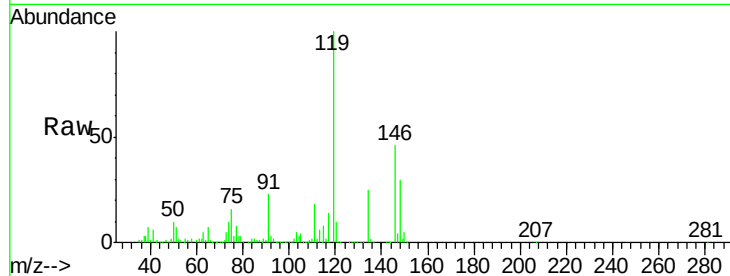
#87
 1,3-Dichlorobenzene
 Concen: 19.418 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	62.9	31.8	95.4

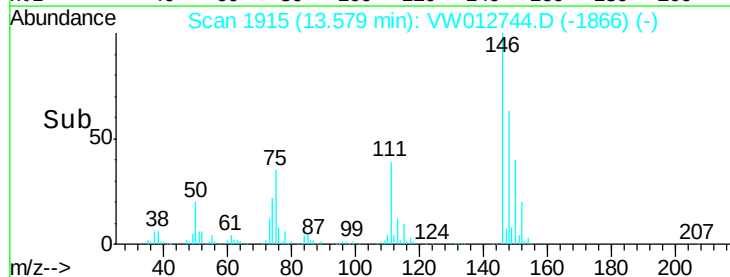
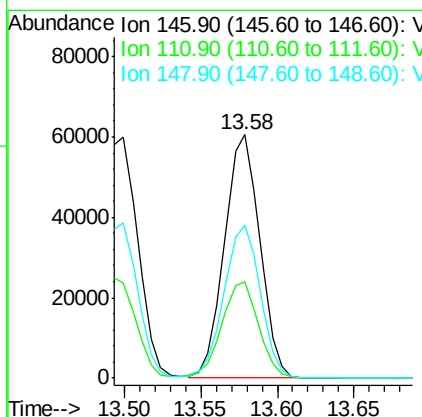
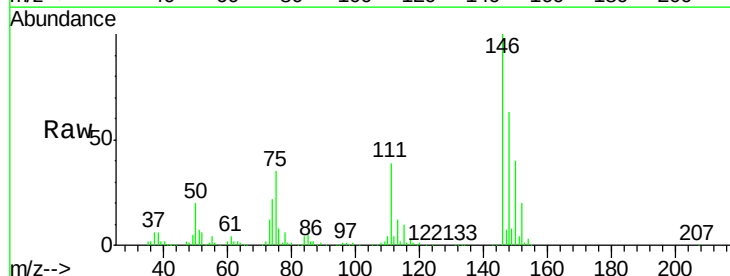
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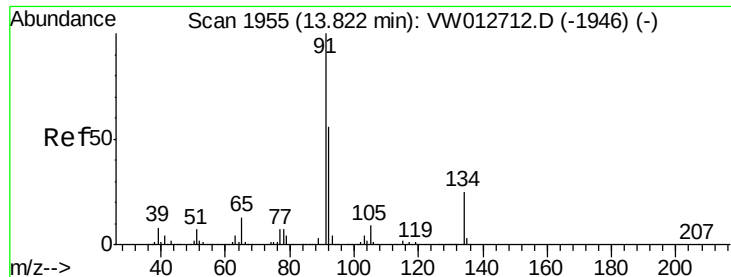
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#88
 1,4-Dichlorobenzene
 Concen: 19.200 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 17.366 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

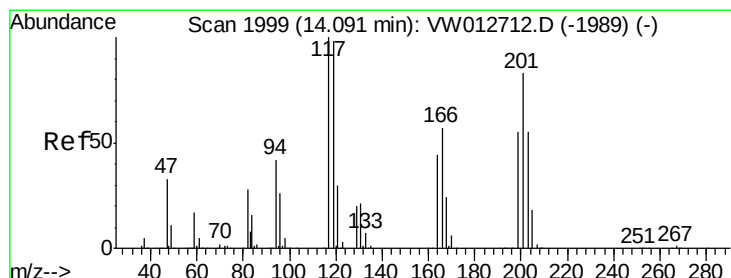
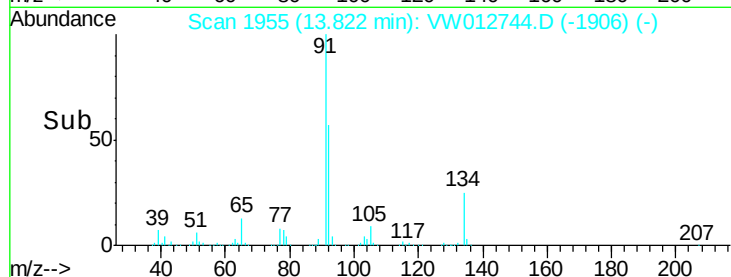
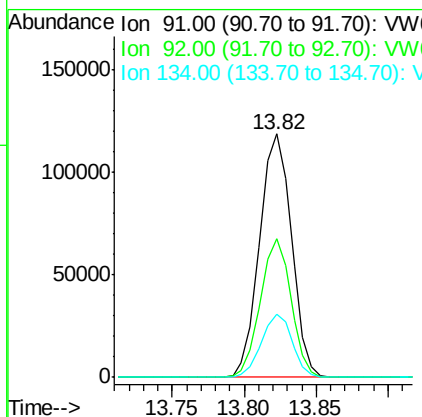
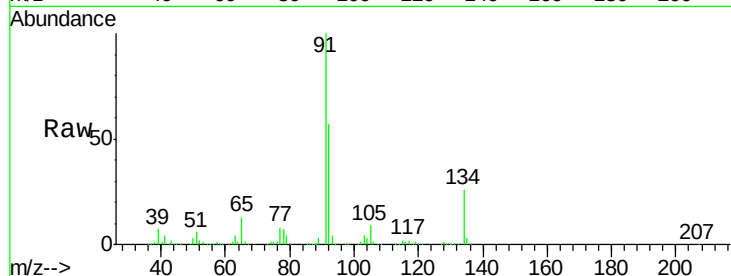
ClientSampleId :

VW0907SBS02

Tot Ion:	91	Resp:	181875
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	25.2	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 18.686 ug/l

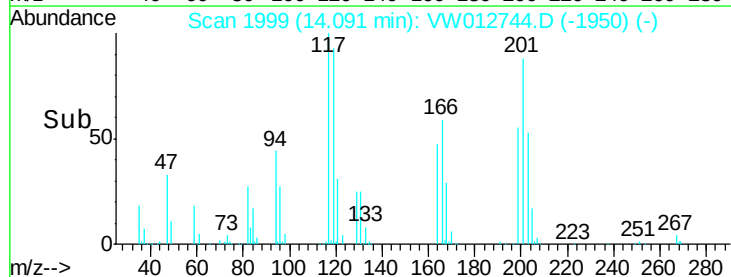
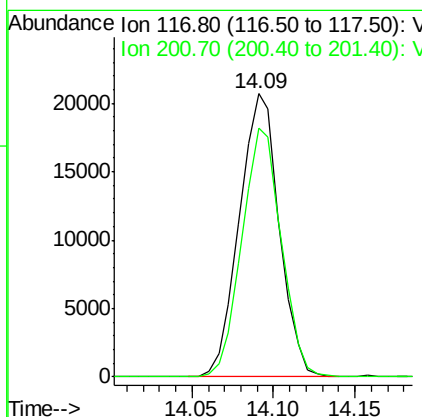
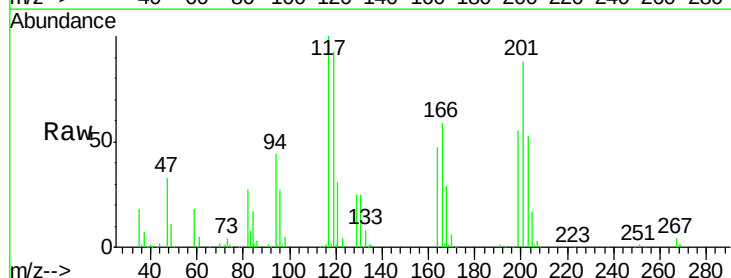
RT: 14.09 min Scan# 1999

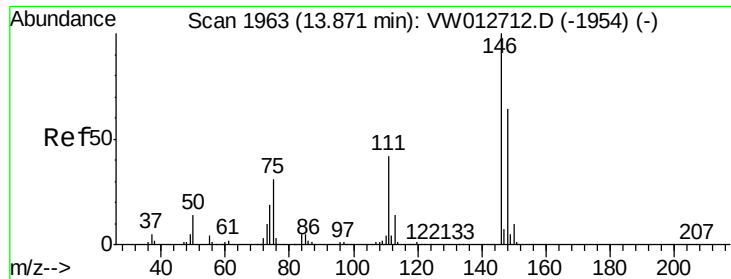
Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	117	Resp:	35191
Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.8	128.4





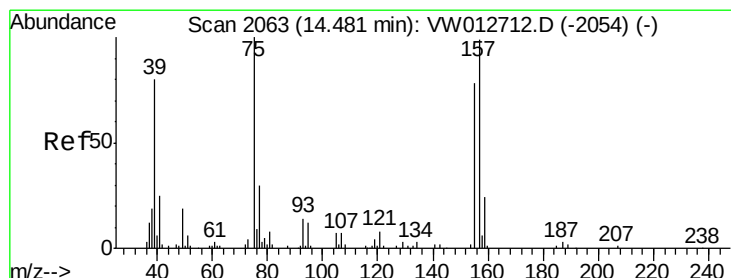
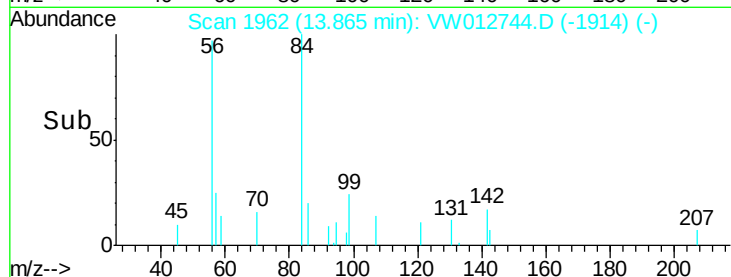
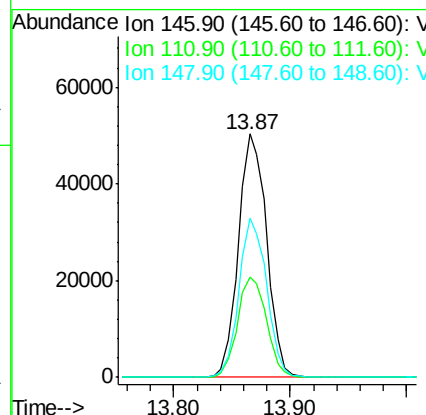
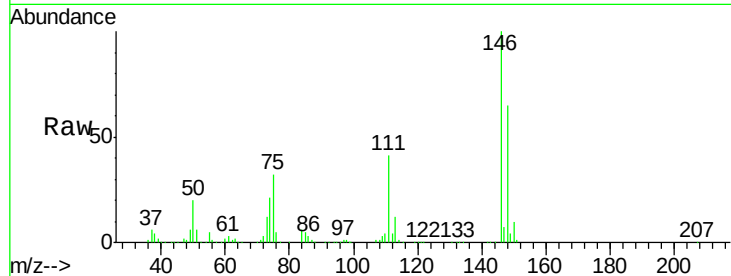
#91
 1,2-Dichlorobenzene
 Concen: 18.589 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	64.3	32.1	96.5

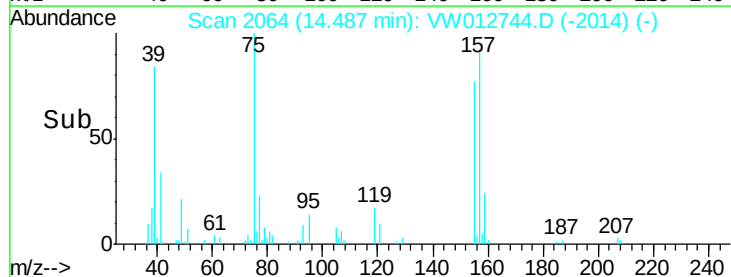
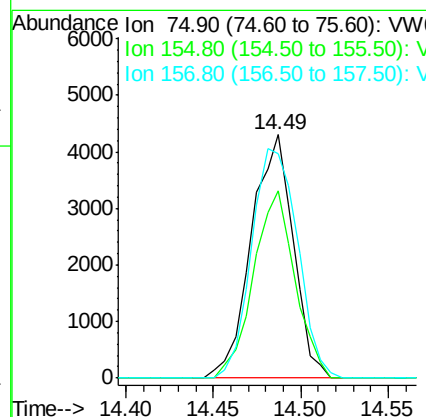
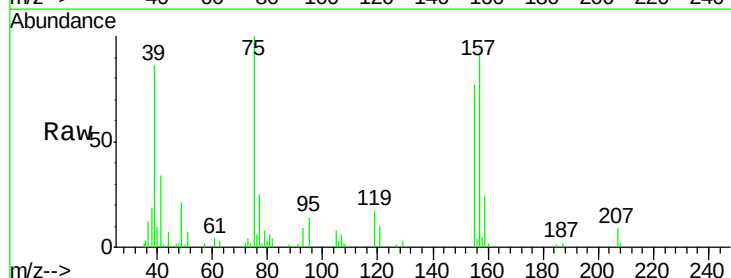
Manual Integrations
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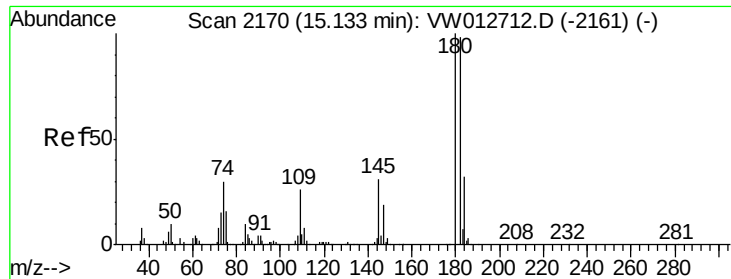
MMDadoda
 9/10/2019 1:03:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.052 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012744.D
 Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	40.6	122.0
157	103.8	52.5	157.5





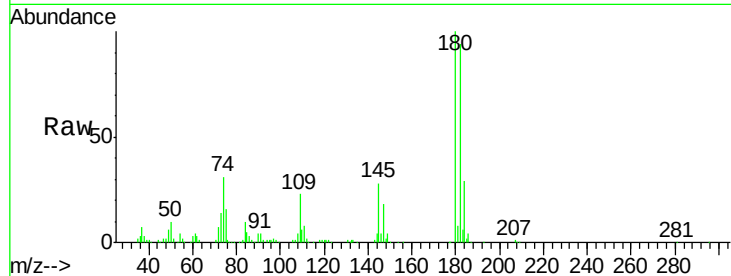
#93
1,2,4-Trichlorobenzene
Concen: 18.518 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS02

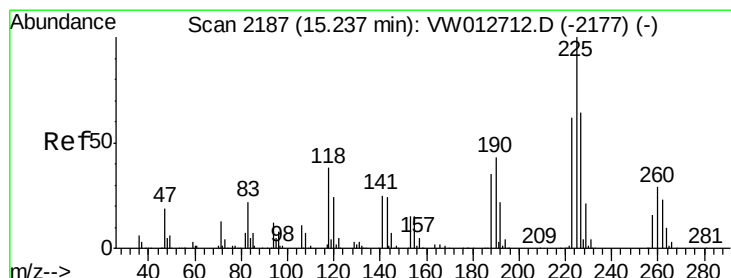
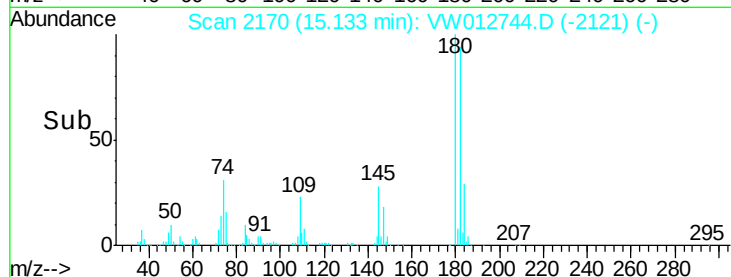
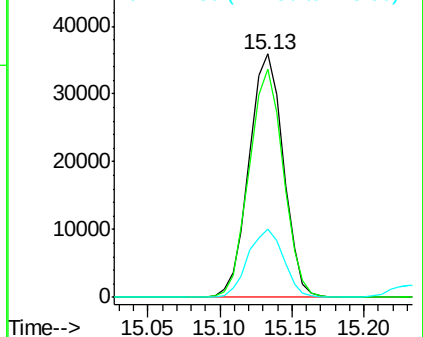
Tot Ion	Ratio	Resp	Lower	Upper
180	100	59032		
182	93.8	48.7	146.1	
145	29.2	15.0	45.1	

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:03:15 PM

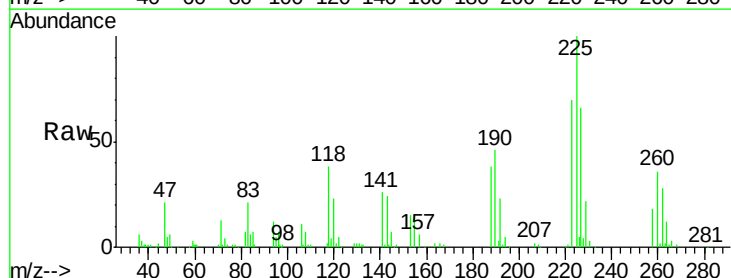


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

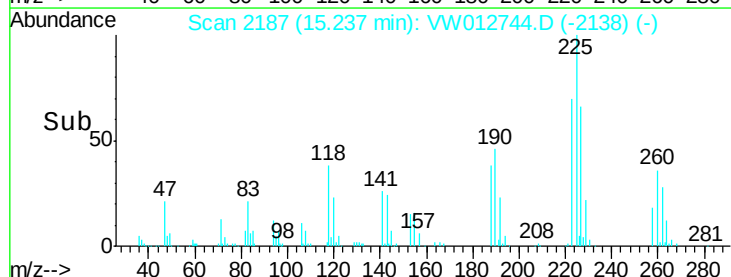
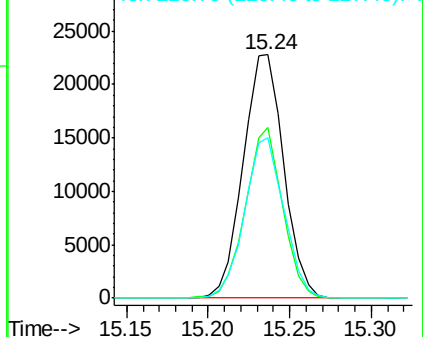


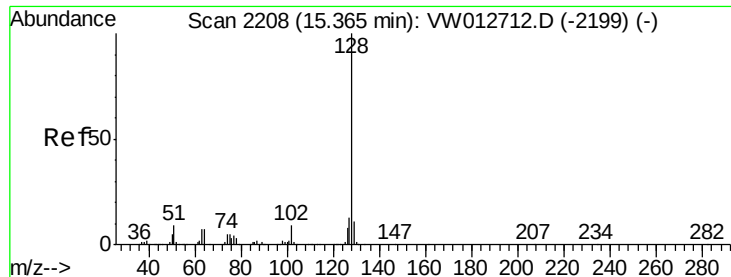
#94
Hexachlorobutadiene
Concen: 17.886 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW012744.D
Acq: 08 Sep 2019 03:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39465		
223	63.9	31.1	93.3	
227	63.8	31.4	94.2	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.298 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Instrument :

MSVOA_W

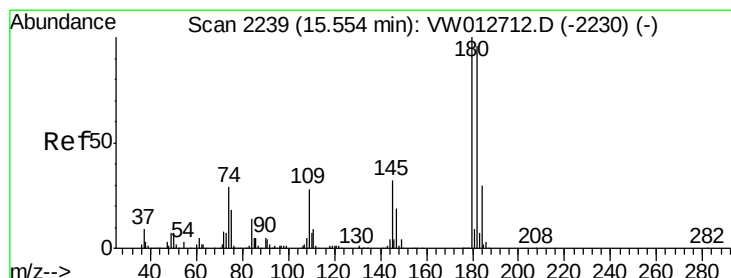
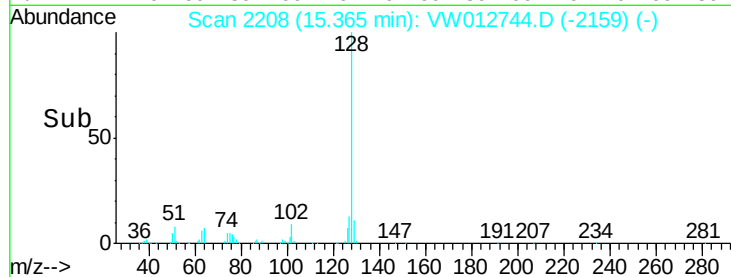
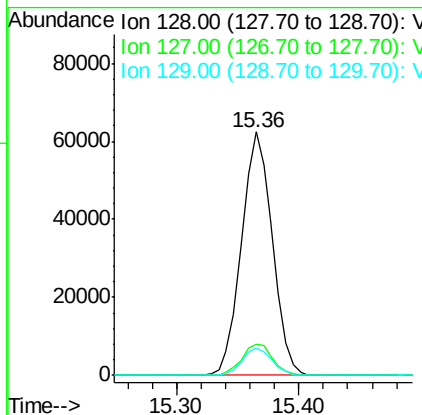
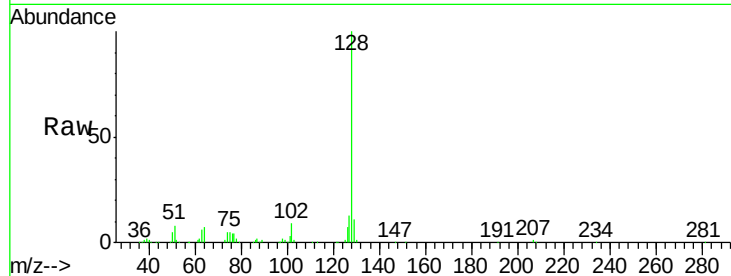
ClientSampleId :

VW0907SBS02

Tot Ion:	128	Resp:	108965
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:03:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.172 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW012744.D

Acq: 08 Sep 2019 03:40

Tgt Ion:	180	Resp:	48320
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	31.0	15.4	46.2

