

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012316.D
 Acq On : 29 Aug 2019 20:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:44:24 AM

Quant Time: Aug 30 08:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143037	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.88	113	117596	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.32	98	461208	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	164814	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59957	44.312	ug/l	99
3) Chloromethane	2.21	50	103731	49.483	ug/l	100
4) Vinyl Chloride	2.36	62	122178	47.619	ug/l	100
5) Bromomethane	2.75	94	61485	47.317	ug/l	98
6) Chloroethane	2.90	64	72112	49.822	ug/l	96
7) Trichlorofluoromethane	3.25	101	66144	51.340	ug/l	100
8) Diethyl Ether	3.68	74	69764	57.049	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104588	47.759	ug/l	98
10) Methyl Iodide	4.26	142	160970	54.326	ug/l	99
11) Tert butyl alcohol	5.18	59	44093	280.482	ug/l	100
12) 1,1-Dichloroethene	4.03	96	109885	49.853	ug/l	96
13) Acrolein	3.89	56	30865	208.576	ug/l	99
14) Allyl chloride	4.66	41	258360	54.828	ug/l	99
15) Acrylonitrile	5.36	53	173711	286.587	ug/l	100
16) Acetone	4.12	43	152308	228.092	ug/l	100
17) Carbon Disulfide	4.38	76	316063	47.447	ug/l	99
18) Methyl Acetate	4.67	43	97613	59.020	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	211387	59.304	ug/l	99
20) Methylene Chloride	4.91	84	151981	60.206	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	126155	53.373	ug/l	98
22) Diisopropyl ether	6.31	45	503171	57.608	ug/l	97
23) Vinyl Acetate	6.25	43	1535336	285.626	ug/l	100
24) 1,1-Dichloroethane	6.21	63	260691	54.816	ug/l	100
25) 2-Butanone	7.16	43	240896	265.482	ug/l	99
26) 2,2-Dichloropropane	7.16	77	132513	49.228	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	141714	56.117	ug/l	99
28) Bromochloromethane	7.51	49	113729	54.867	ug/l	97
29) Tetrahydrofuran	7.52	42	158638	291.402	ug/l	99
30) Chloroform	7.67	83	238580	54.833	ug/l	100
31) Cyclohexane	7.95	56	215481	45.796	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	178544	51.872	ug/l	100
36) 1,1-Dichloropropene	8.08	75	186449	49.018	ug/l	99
37) Ethyl Acetate	7.25	43	110863	53.188	ug/l	100
38) Carbon Tetrachloride	8.07	117	159843	48.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	203571	47.640	ug/l	99
40) Benzene	8.32	78	540278	52.019	ug/l	100
41) Methacrylonitrile	7.48	41	60966	49.766	ug/l	90
42) 1,2-Dichloroethane	8.40	62	171637	52.728	ug/l	99
43) Isopropyl Acetate	8.42	43	212165	54.953	ug/l	99
44) Trichloroethene	9.09	130	131138	51.939	ug/l	95
45) 1,2-Dichloropropane	9.37	63	148548	53.143	ug/l	99
46) Dibromomethane	9.46	93	66576	53.531	ug/l	99
47) Bromodichloromethane	9.64	83	175577	53.045	ug/l	99
48) Methyl methacrylate	9.43	41	103328	56.230	ug/l	98
49) 1,4-Dioxane	9.45	88	19158	1006.233	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	536100	272.997	ug/l	100
52) Toluene	10.38	92	326619	52.348	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	182956	54.264	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	219404	53.894	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95278	54.146	ug/l	98
56) Ethyl methacrylate	10.65	69	144840	56.556	ug/l	99
57) 1,3-Dichloropropane	10.93	76	180926	54.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375169	285.437	ug/l	100
59) 2-Hexanone	10.97	43	362667	261.008	ug/l	99
60) Dibromochloromethane	11.13	129	105215	53.683	ug/l	98
61) 1,2-Dibromoethane	11.23	107	90003	54.902	ug/l	100
64) Tetrachloroethene	10.86	164	107889	51.798	ug/l	99
65) Chlorobenzene	11.66	112	328265	51.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	116393	52.740	ug/l	98
67) Ethyl Benzene	11.73	91	633409	51.978	ug/l	100
68) m/p-Xylenes	11.83	106	455944	103.870	ug/l	99
69) o-Xylene	12.16	106	217062	53.428	ug/l	99
70) Styrene	12.18	104	376942	53.603	ug/l	99
71) Bromoform	12.35	173	58745	53.427	ug/l	100
73) Isopropylbenzene	12.46	105	594970	52.034	ug/l	99
74) N-amyl acetate	12.27	43	190109	55.031	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	110665	52.793	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	74639m	50.223	ug/l	
77) Bromobenzene	12.74	156	133746	54.068	ug/l	97
78) n-propylbenzene	12.80	91	713810	51.137	ug/l	99
79) 2-Chlorotoluene	12.89	91	415332	52.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	500940	52.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36282	53.527	ug/l	96
82) 4-Chlorotoluene	12.99	91	433221	52.207	ug/l	100
83) tert-Butylbenzene	13.21	119	425822	52.614	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	500273	52.125	ug/l	100
85) sec-Butylbenzene	13.38	105	583883	50.356	ug/l	100
86) p-Isopropyltoluene	13.50	119	533921	51.561	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	249122	51.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	250466	52.135	ug/l	99
89) n-Butylbenzene	13.82	91	521778	50.670	ug/l	99
90) Hexachloroethane	14.09	117	92136	50.714	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	223569	52.672	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18404	52.079	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159112	54.245	ug/l	99
94) Hexachlorobutadiene	15.24	225	99850	51.554	ug/l	98
95) Naphthalene	15.36	128	307501	53.129	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141181	55.167	ug/l	99

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

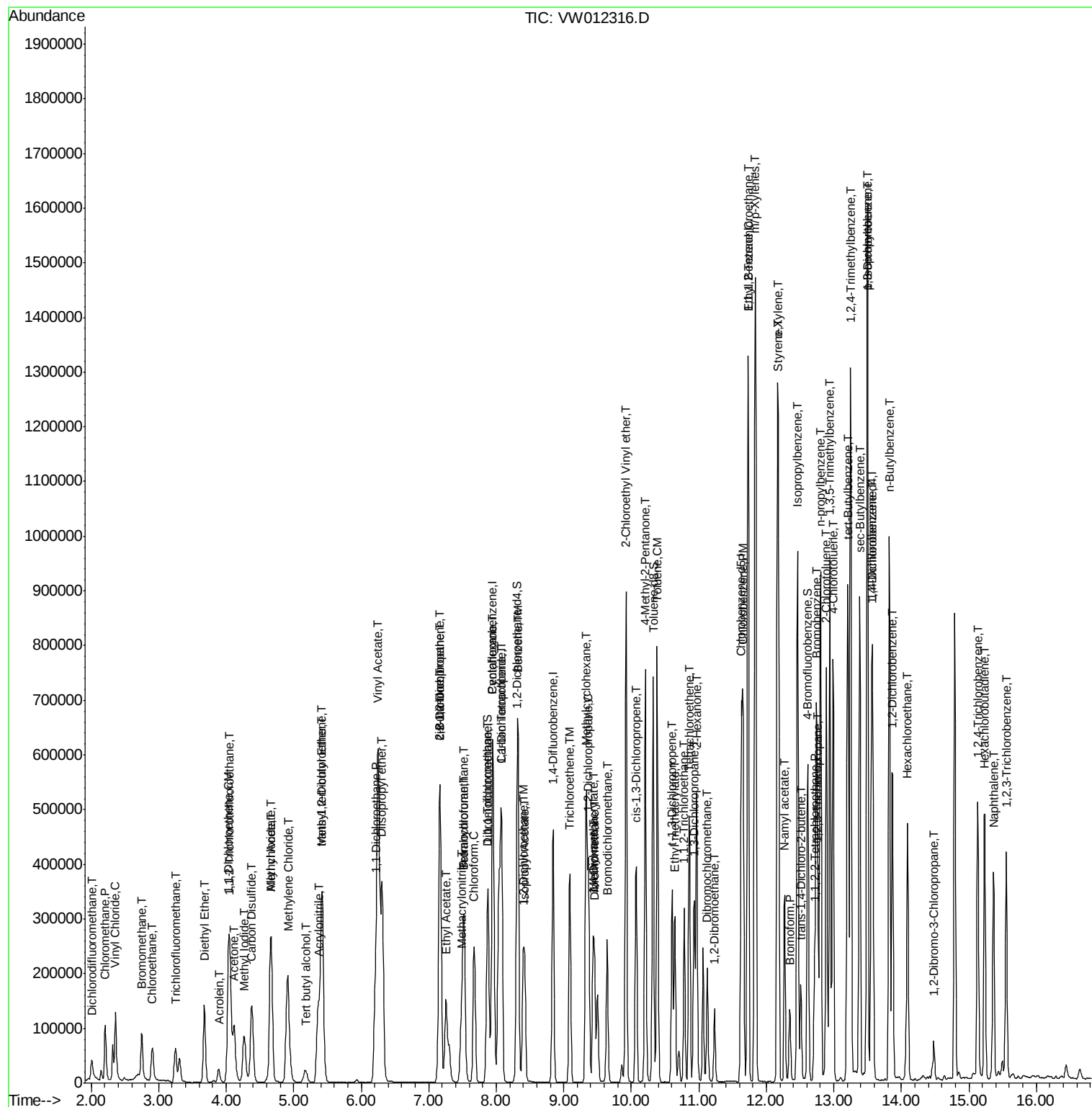
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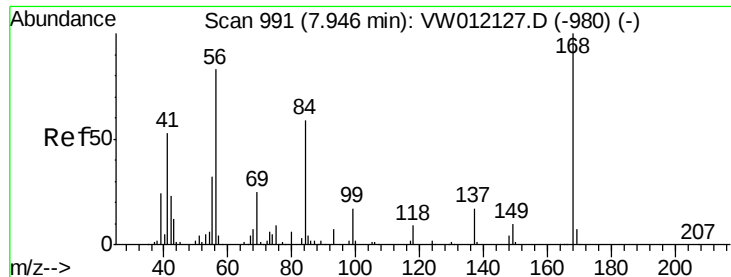
Instrument :
MSVOA_W
Client Sampled :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 219747

Ion Ratio Lower Upper

168 100

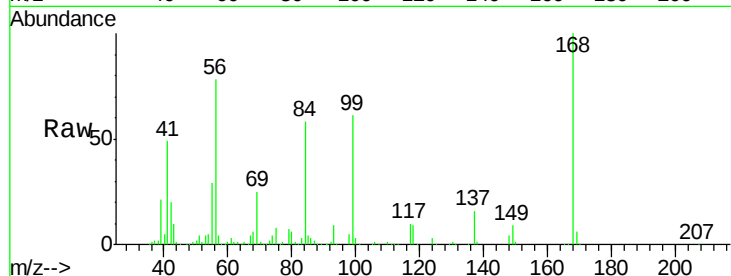
99 60.9 49.2 73.8

Manual Integrations

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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

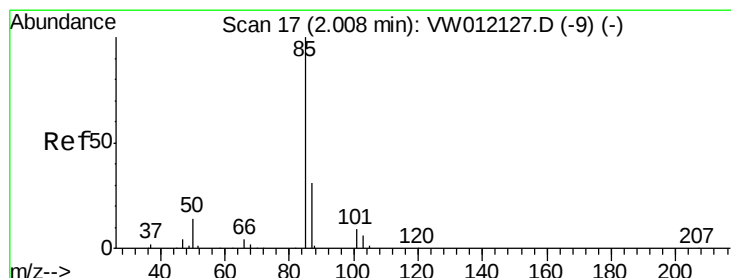
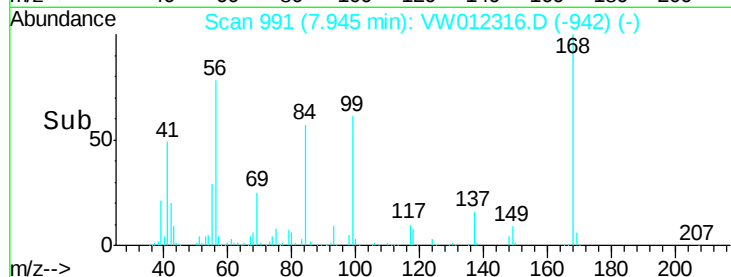
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.312 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012316.D

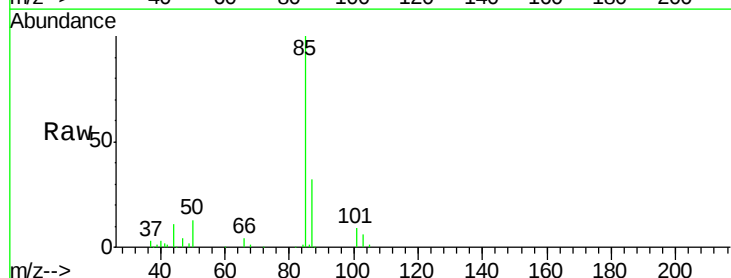
Acq: 29 Aug 2019 20:46

Tgt Ion: 85 Resp: 59957

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

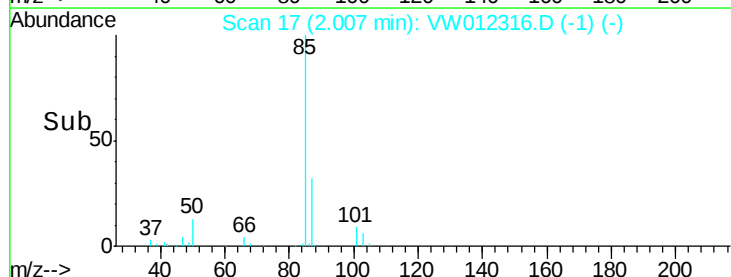
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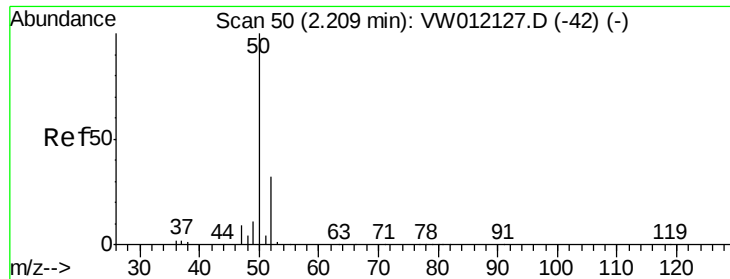
10000

5000

0

Time-->





#3

Chloromethane

Concen: 49.483 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103731

Ion Ratio Lower Upper

50 100

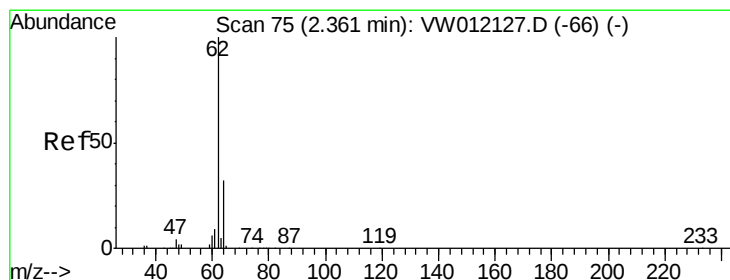
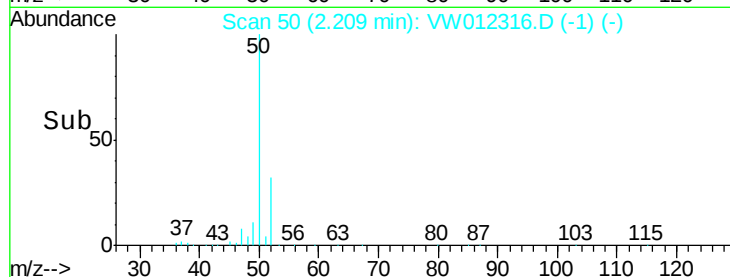
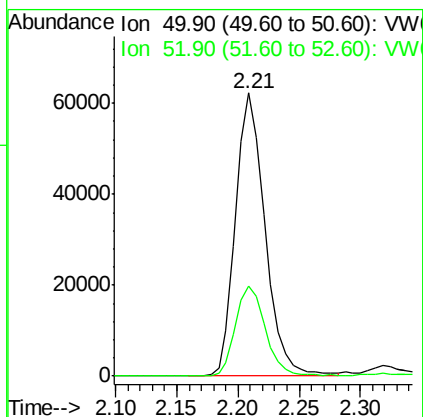
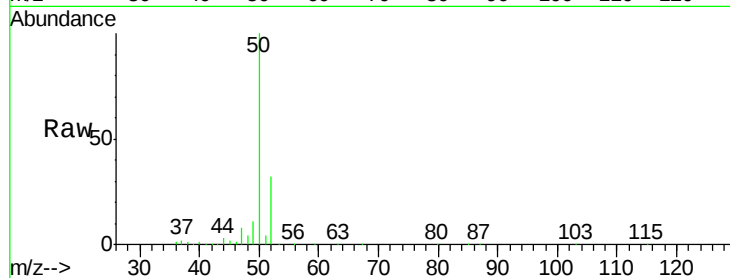
52 31.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.619 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012316.D

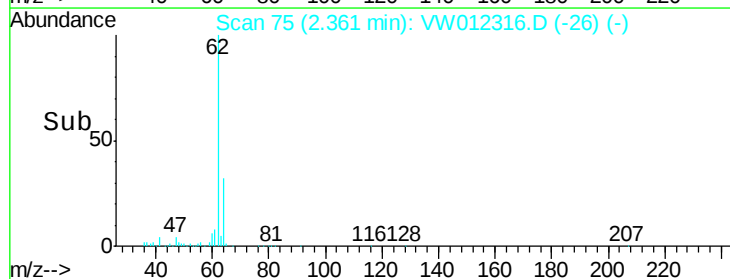
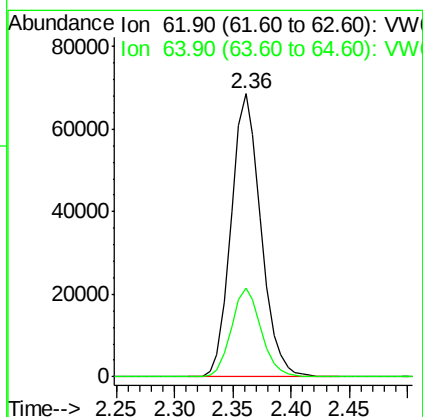
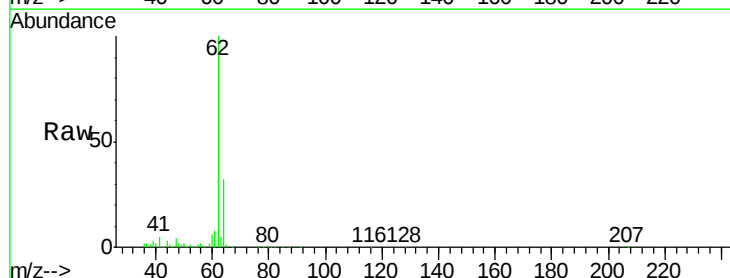
Acq: 29 Aug 2019 20:46

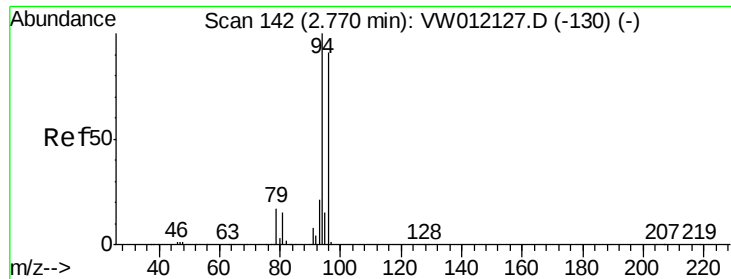
Tgt Ion: 62 Resp: 122178

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 47.317 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61485

Ion Ratio Lower Upper

94 100

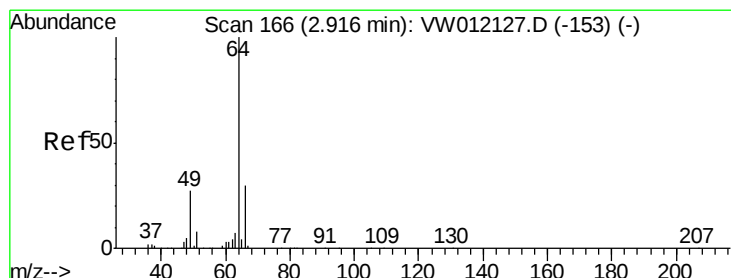
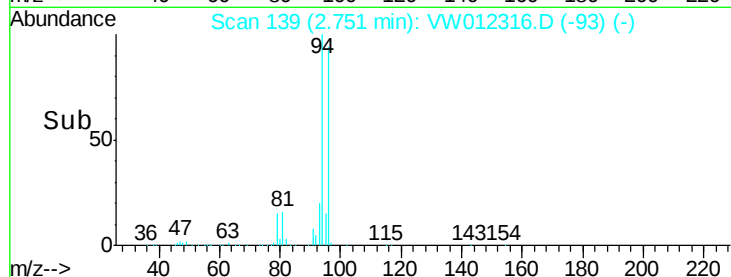
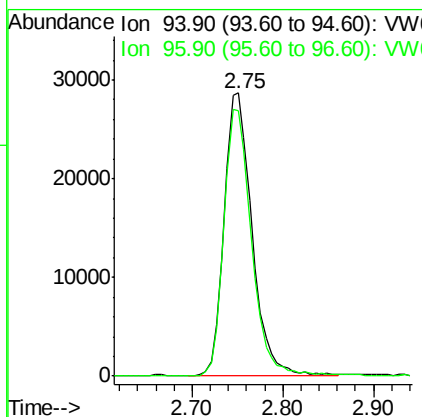
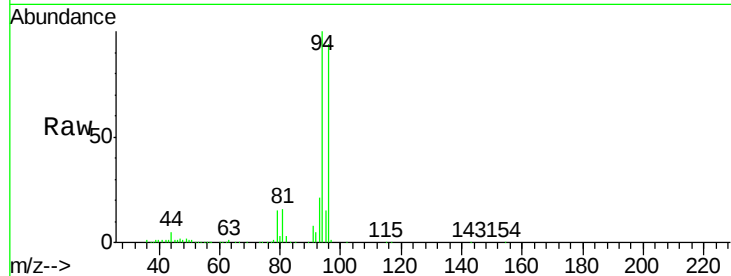
96 93.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 49.822 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012316.D

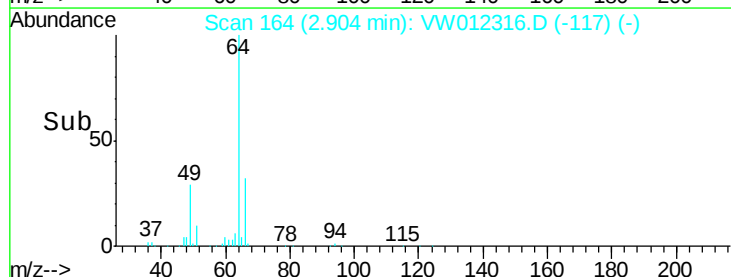
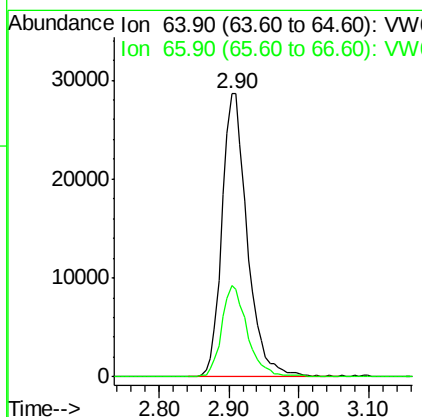
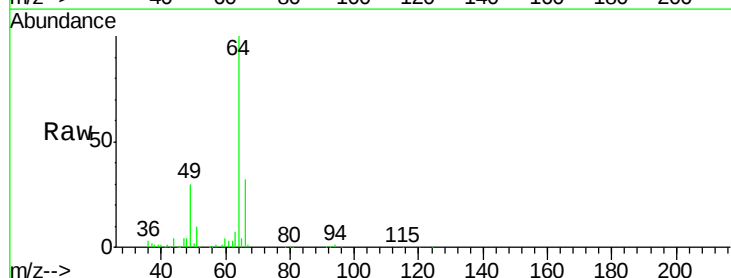
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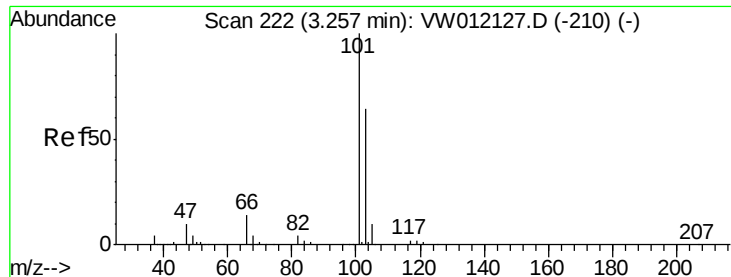
Tgt Ion: 64 Resp: 72112

Ion Ratio Lower Upper

64 100

66 32.1 23.8 35.8





#7

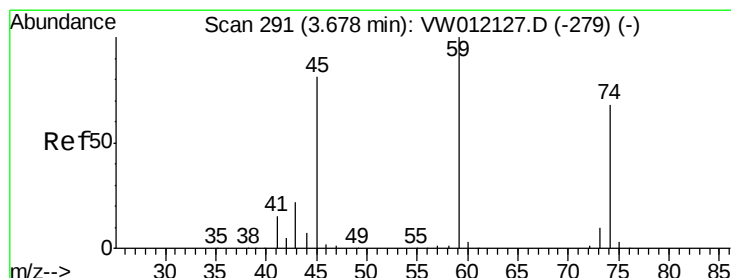
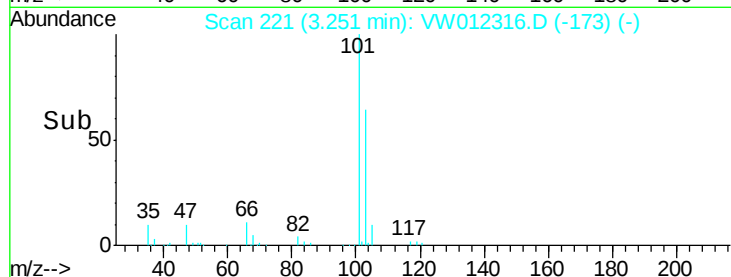
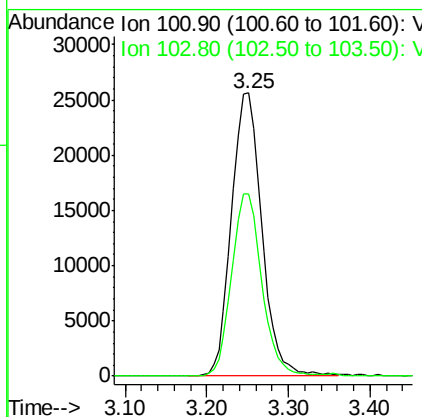
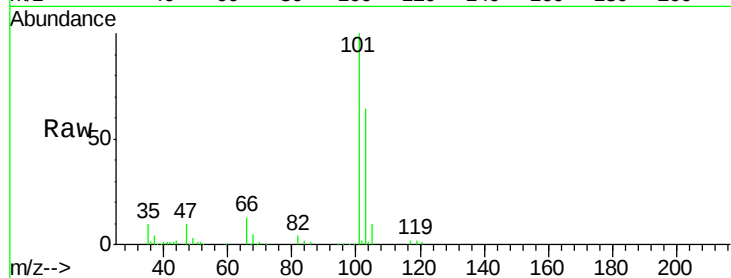
Trichlorofluoromethane
 Concen: 51.340 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

Manual Integrations
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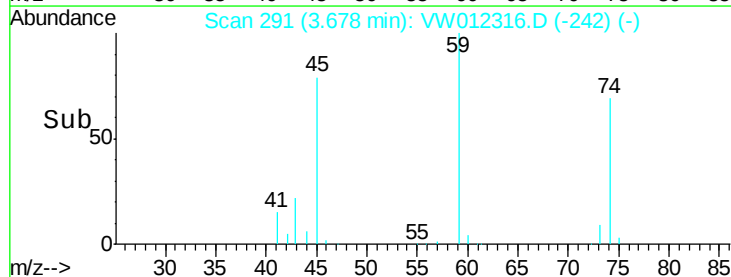
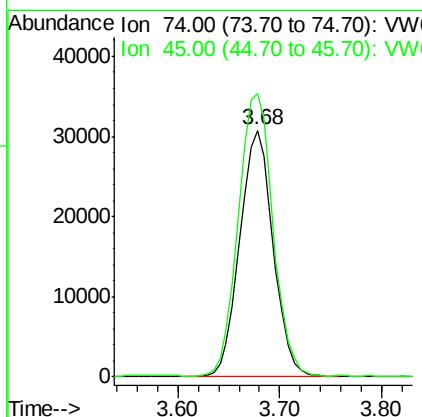
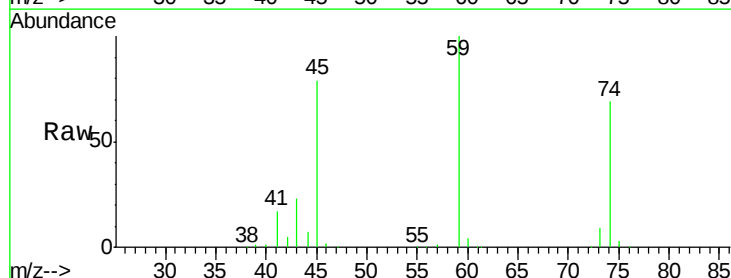
MMDadoda
 8/30/2019 11:44:24 AM

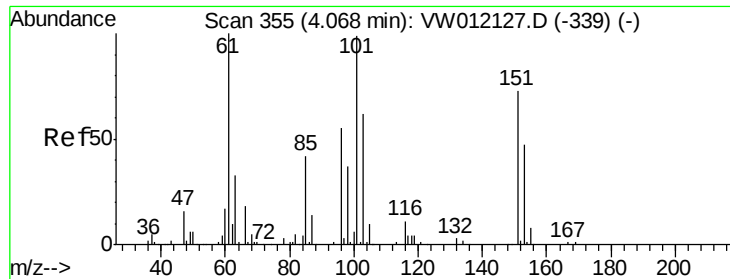


#8

Diethyl Ether
 Concen: 57.049 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012316.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.759 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012316.D

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MSVOA_W

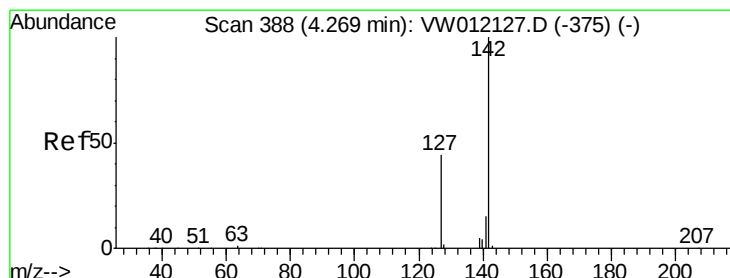
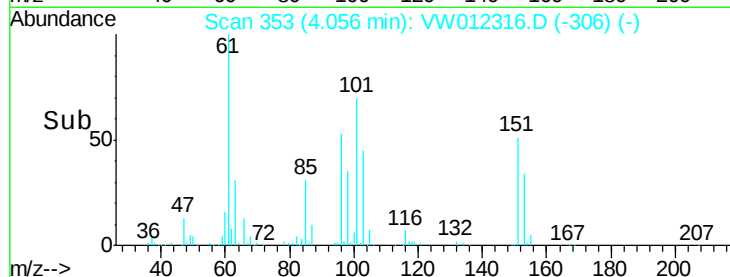
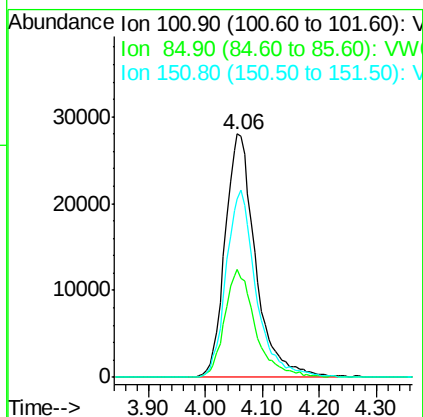
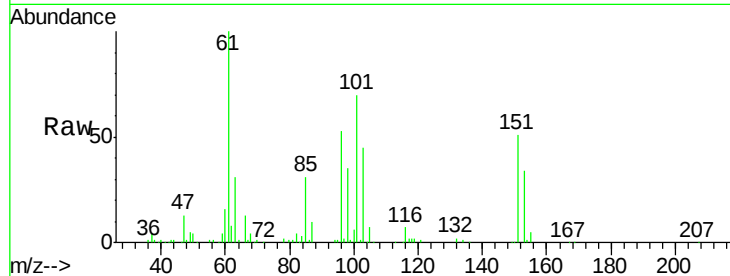
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104588
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.8	53.6
151	75.6	58.6	87.8

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#10

Methyl Iodide

Concen: 54.326 ug/l

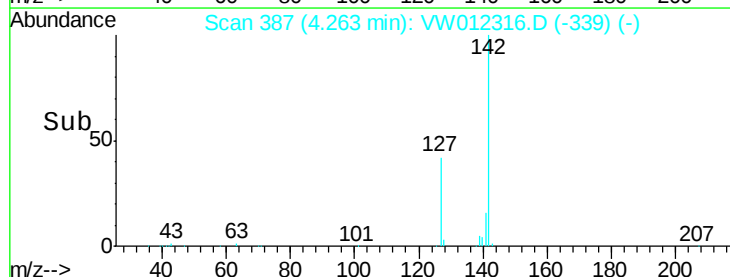
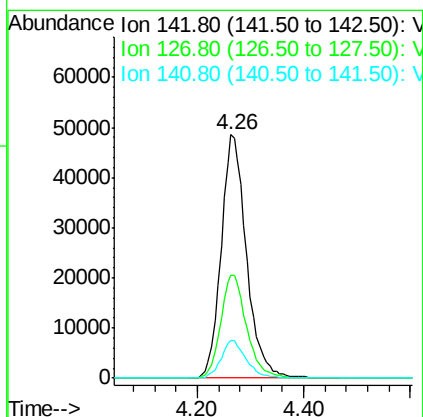
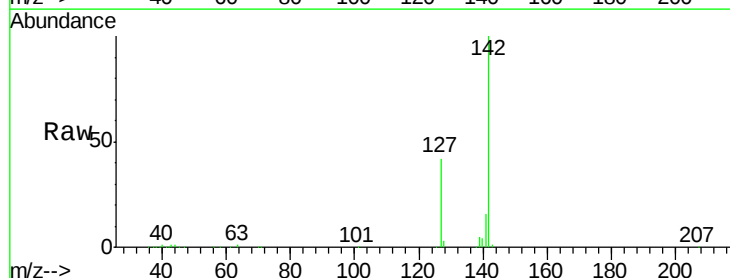
RT: 4.26 min Scan# 387

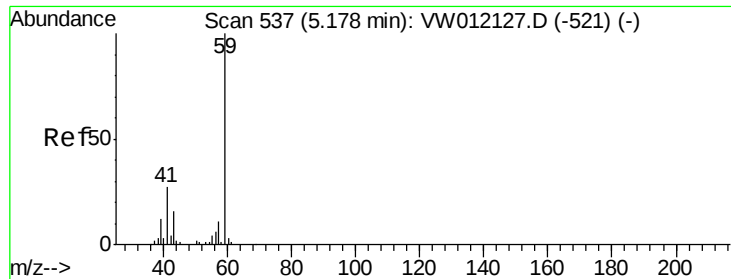
Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	142	Resp:	160970
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.5	53.3
141	15.2	11.8	17.8





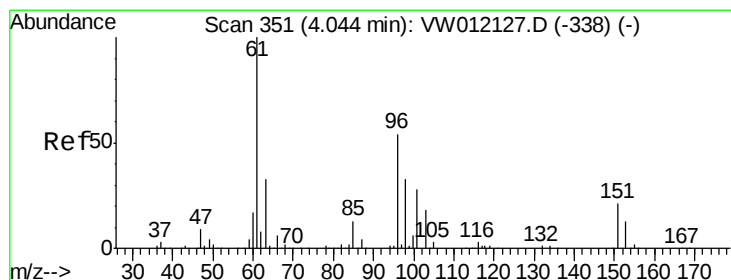
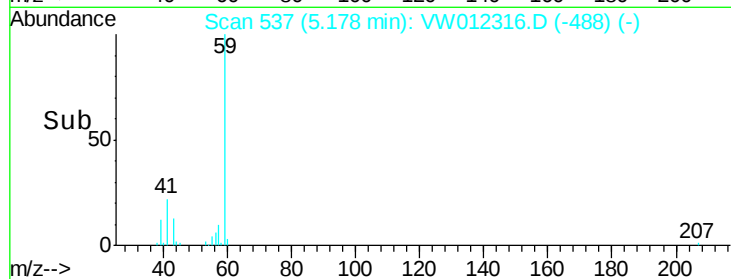
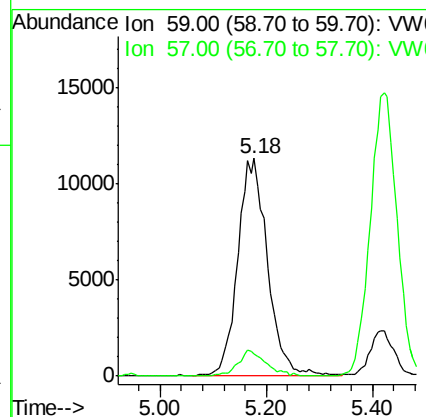
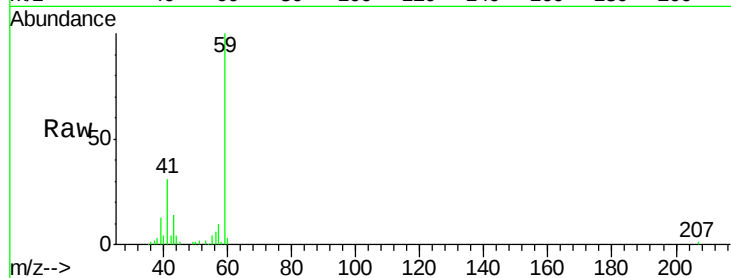
#11
Tert butyl alcohol
Concen: 280.482 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 44093
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

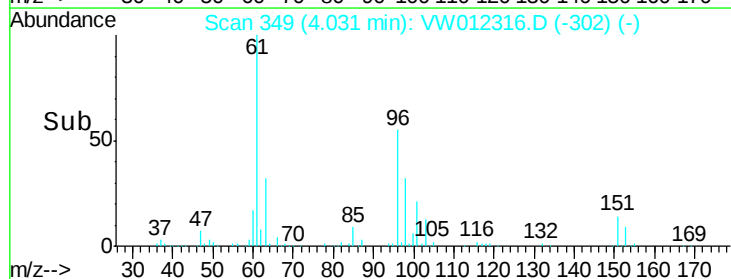
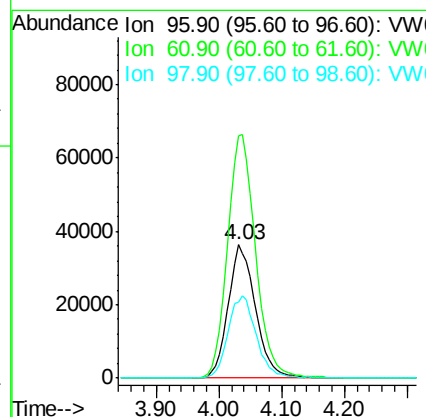
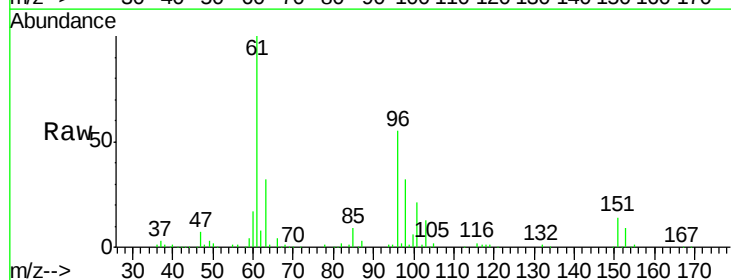
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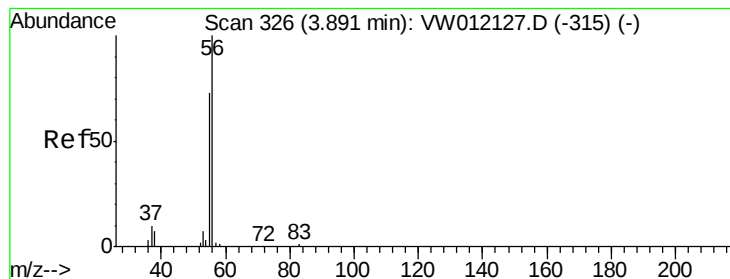
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.853 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 96 Resp: 109885
Ion Ratio Lower Upper
96 100
61 181.9 149.1 223.7
98 57.4 49.4 74.2





#13

Acrolein

Concen: 208.576 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 30865

Ion Ratio Lower Upper

56 100

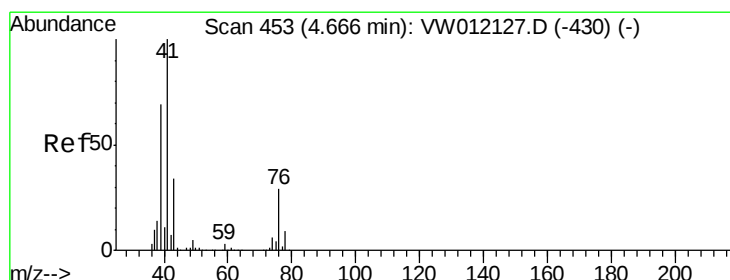
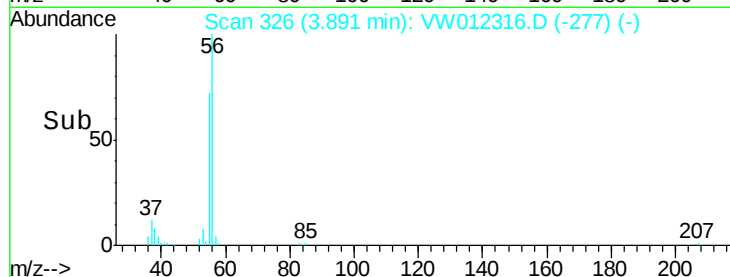
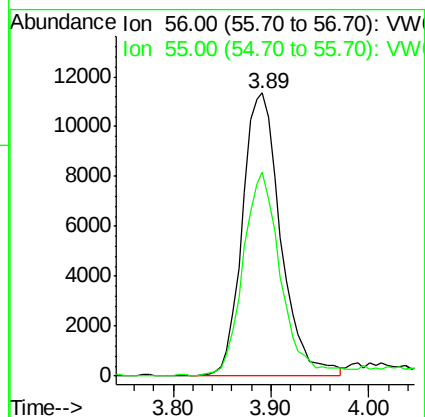
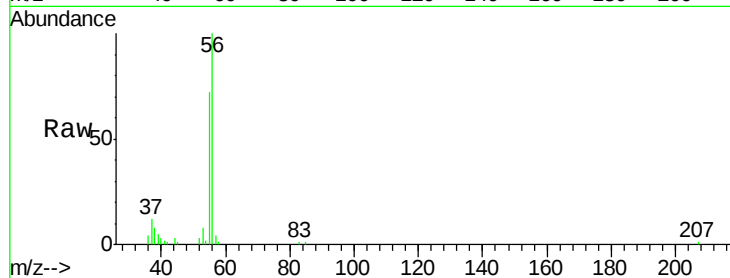
55 70.9 55.8 83.8

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#14

Allyl chloride

Concen: 54.828 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

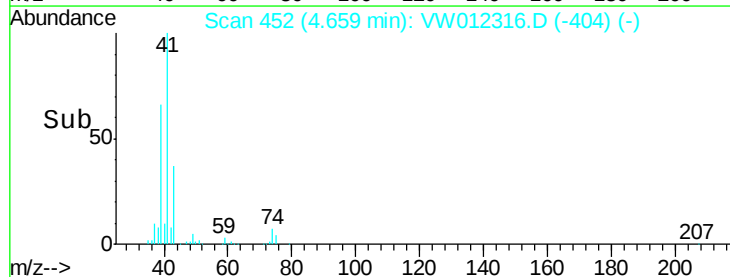
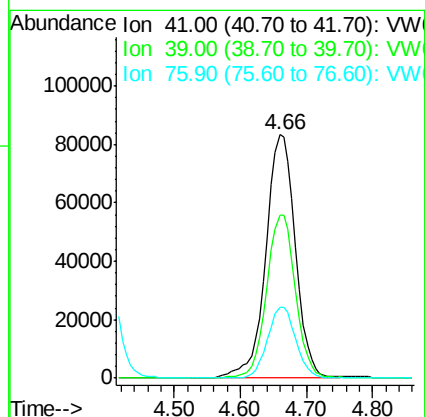
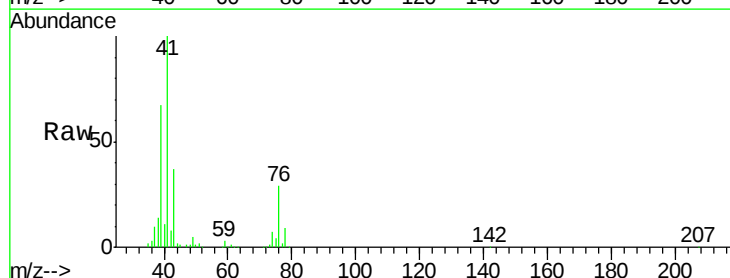
Tgt Ion: 41 Resp: 258360

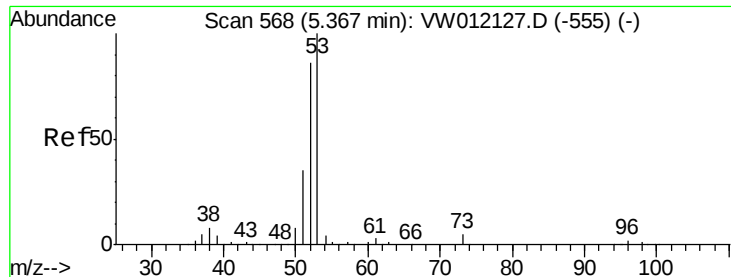
Ion Ratio Lower Upper

41 100

39 65.3 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 286.587 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

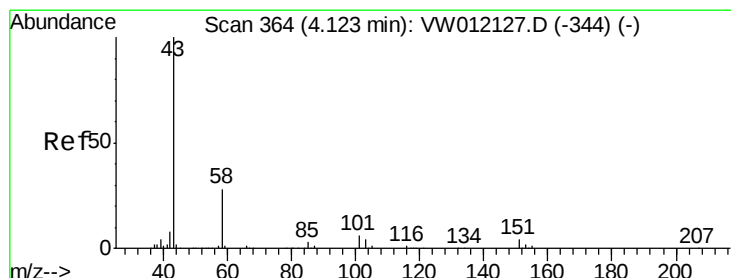
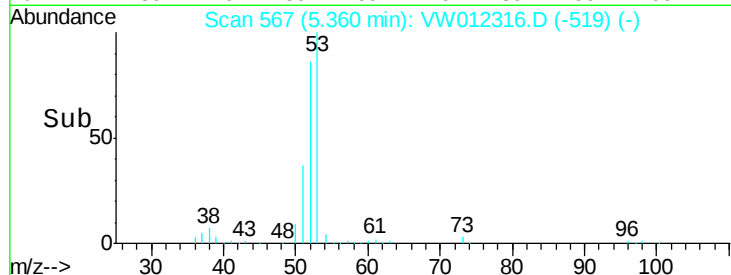
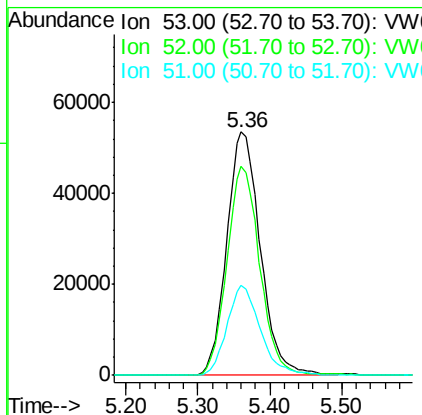
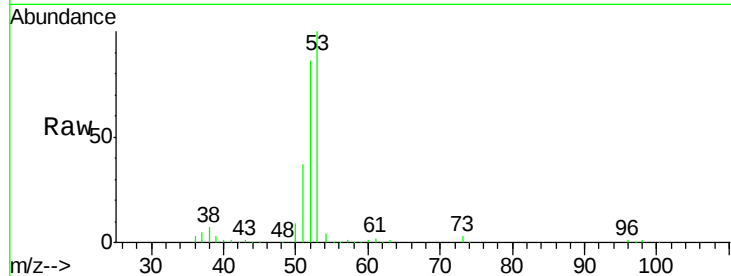
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	173711
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	36.8	30.1	45.1

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#16

Acetone

Concen: 228.092 ug/l

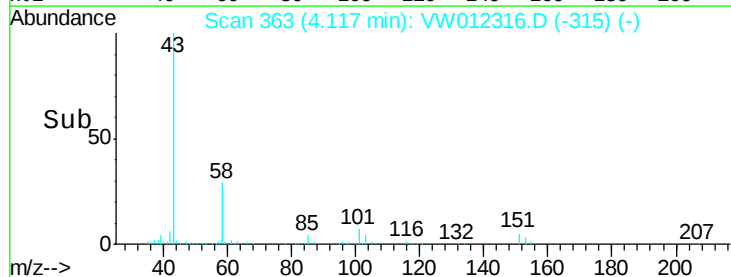
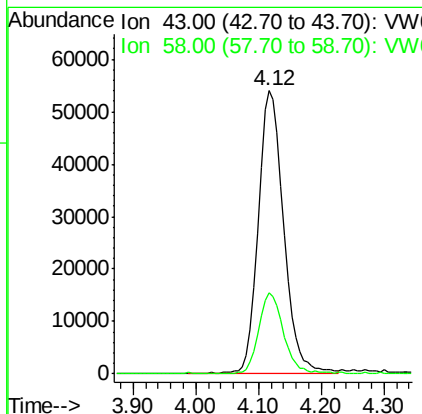
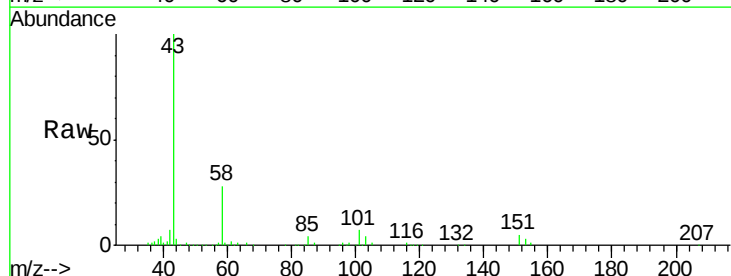
RT: 4.12 min Scan# 363

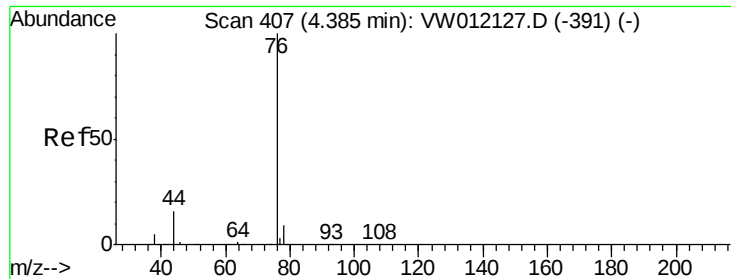
Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	43	Resp:	152308
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6





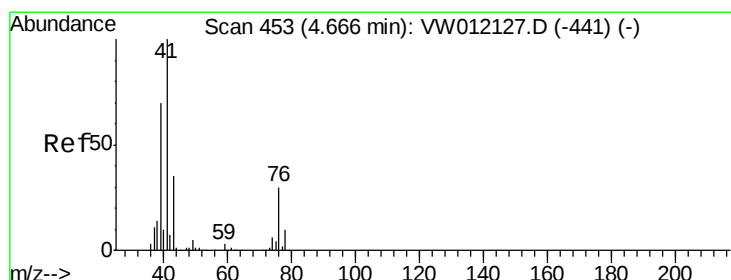
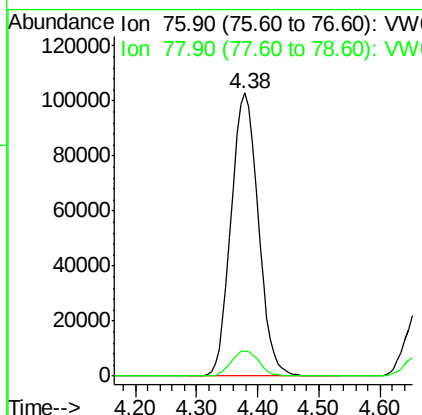
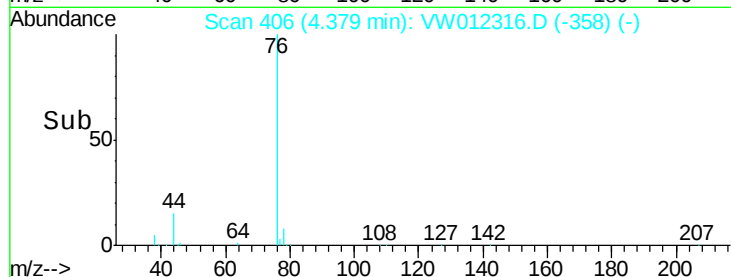
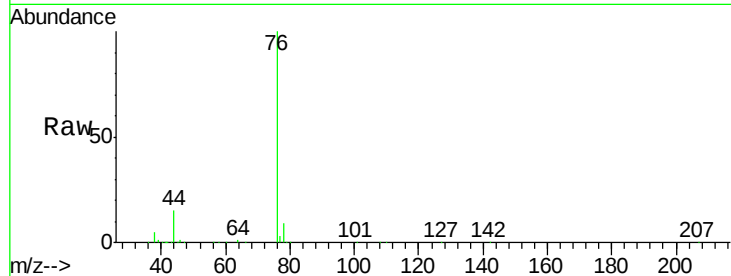
#17
Carbon Disulfide
Concen: 47.447 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

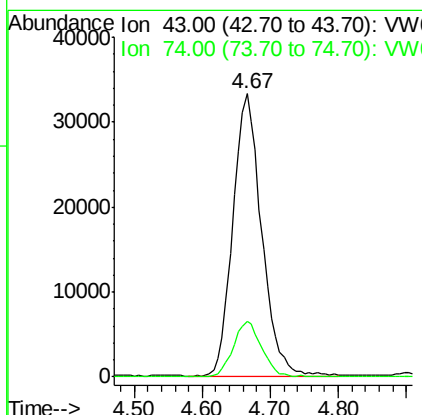
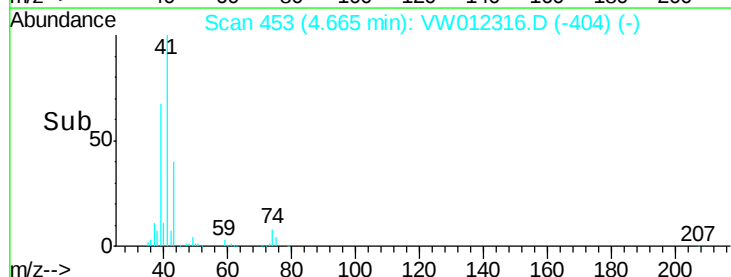
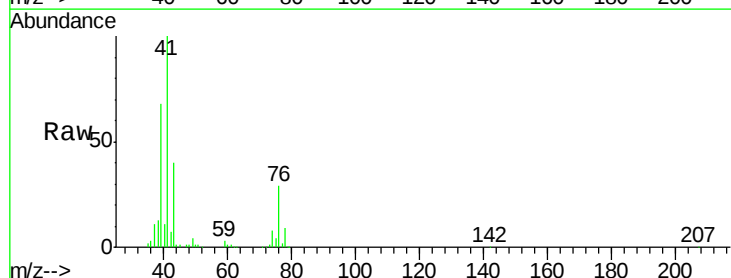
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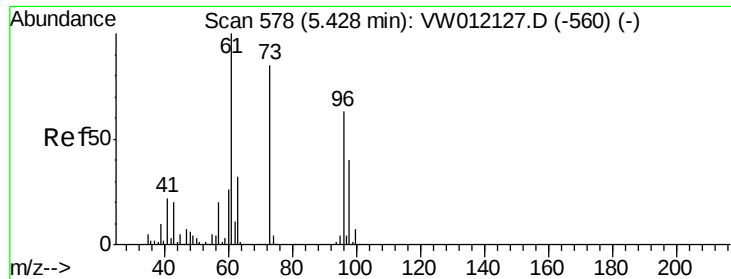
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#18
Methyl Acetate
Concen: 59.020 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.7	23.5





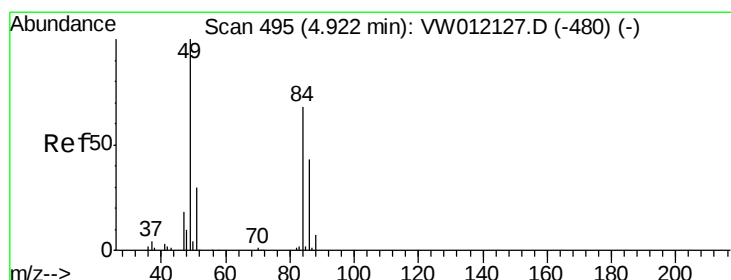
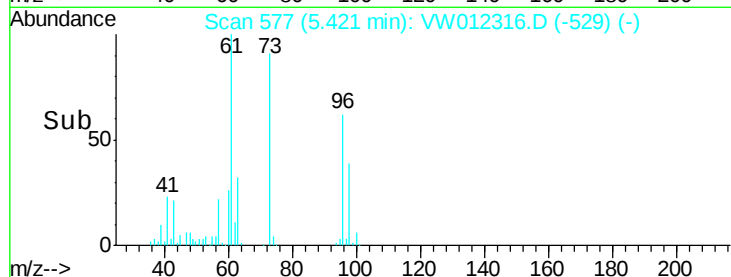
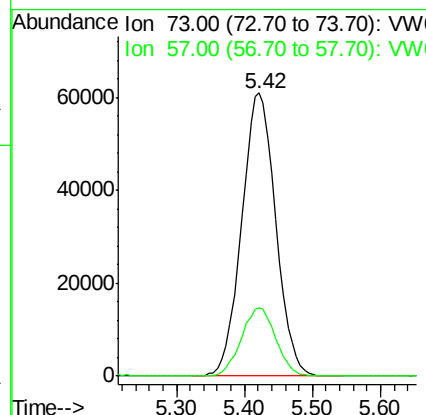
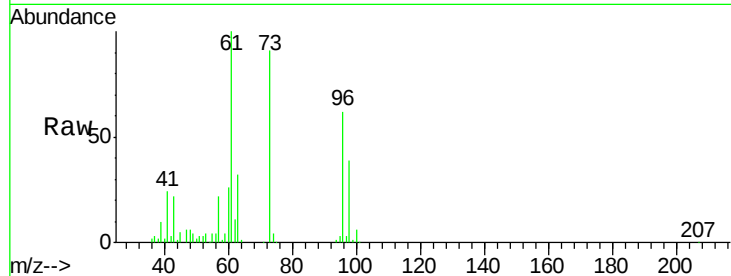
#19
Methvl tert-butvl Ether
Concen: 59.304 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 211387
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3

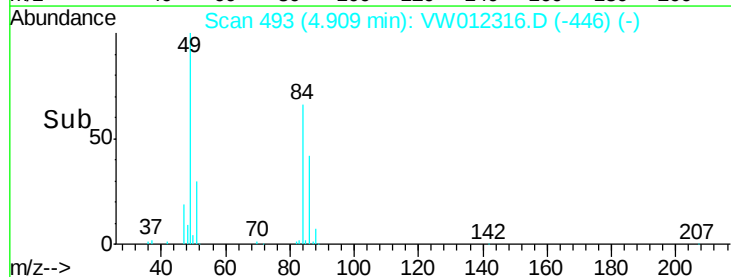
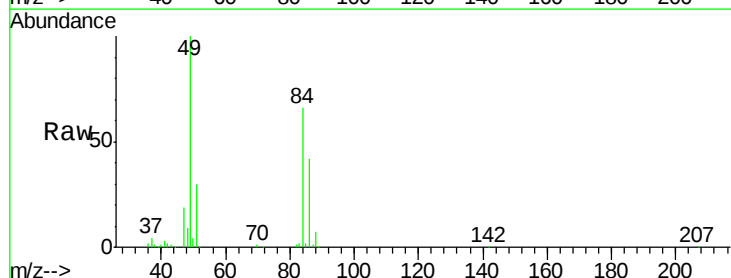
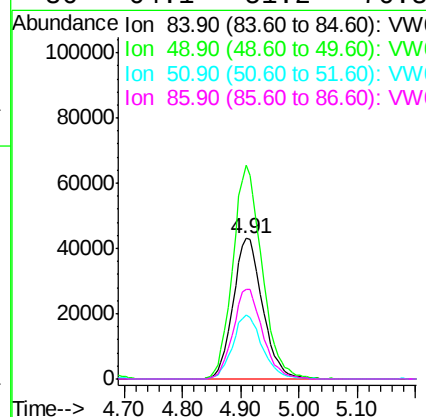
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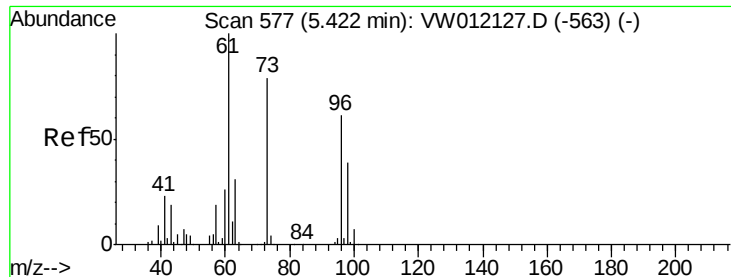
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#20
Methylene Chloride
Concen: 60.206 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 84 Resp: 151981
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.8
51 45.9 35.6 53.4
86 64.1 51.2 76.8





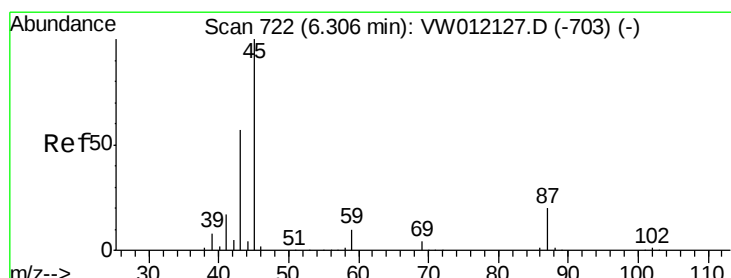
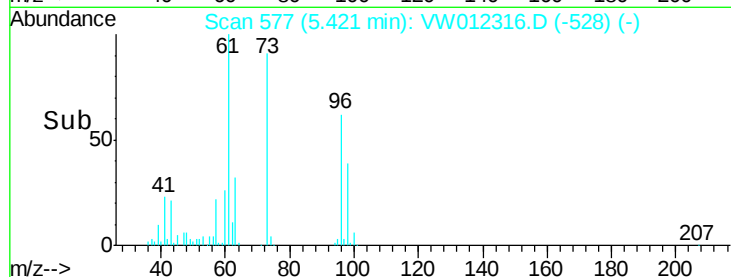
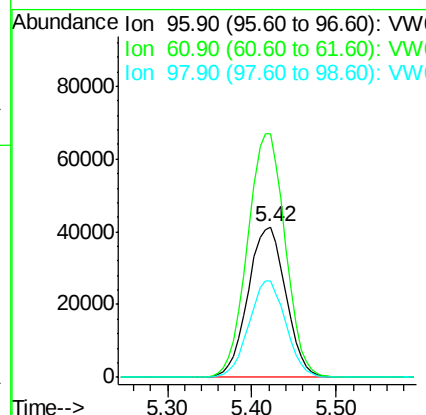
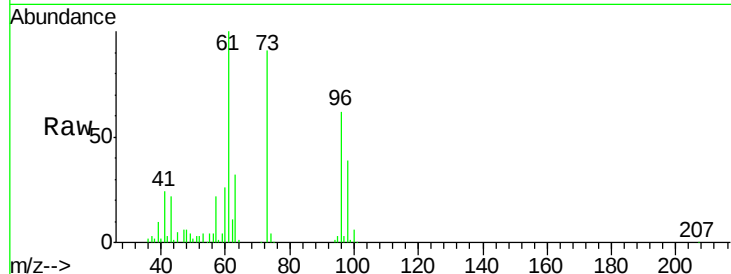
#21
trans-1,2-Dichloroethene
Concen: 53.373 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	131.4	197.0
98	63.8	51.4	77.0

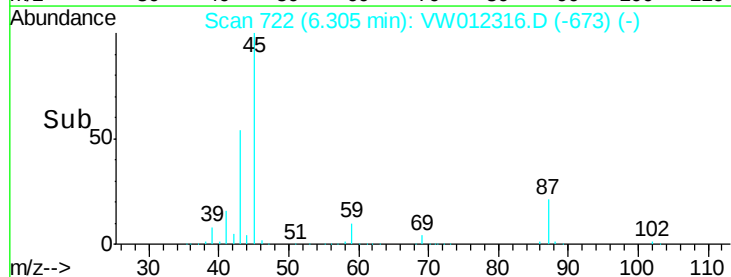
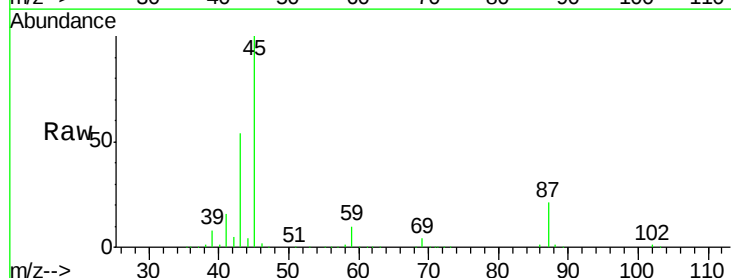
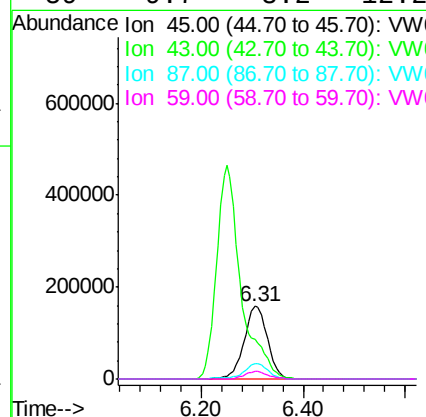
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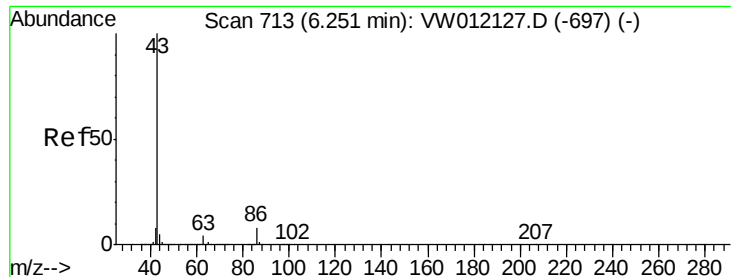
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#22
Diisopropyl ether
Concen: 57.608 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	45.5	68.3
87	21.1	16.1	24.1
59	9.7	8.2	12.2





#23

Vinyl Acetate

Concen: 285.626 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tot Ion: 43 Resp: 1535336

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

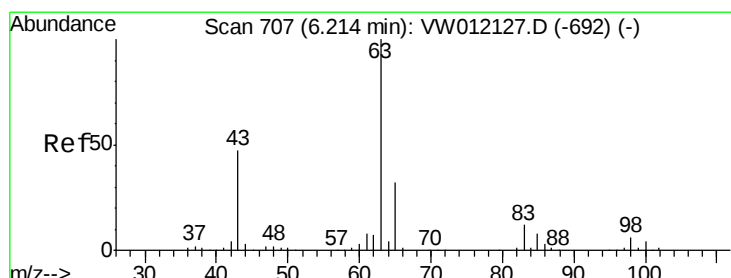
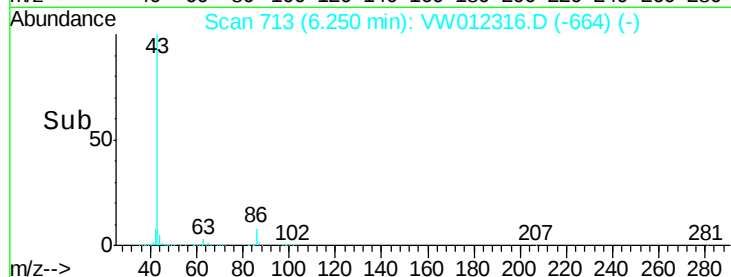
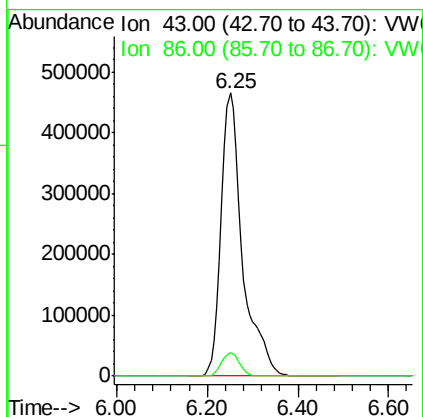
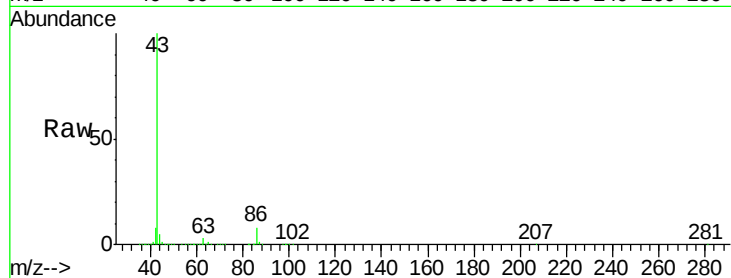
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 54.816 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

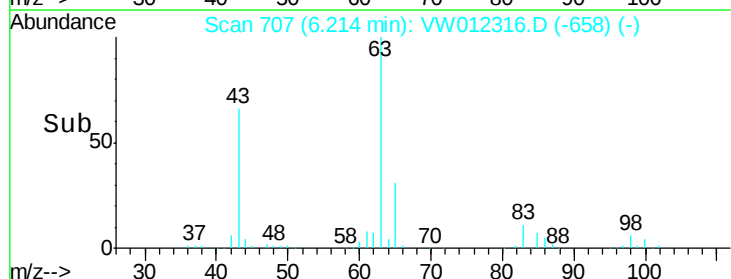
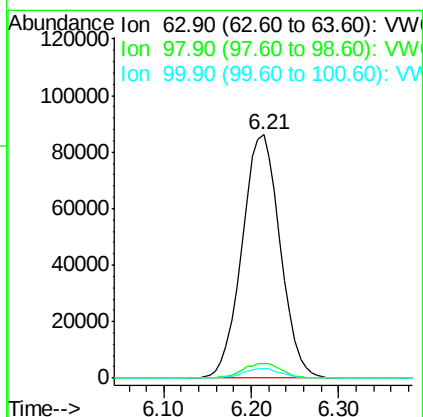
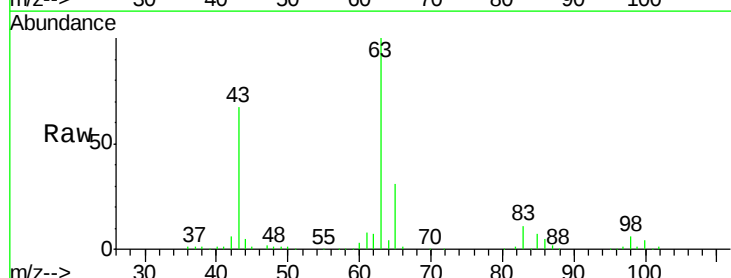
Tgt Ion: 63 Resp: 260691

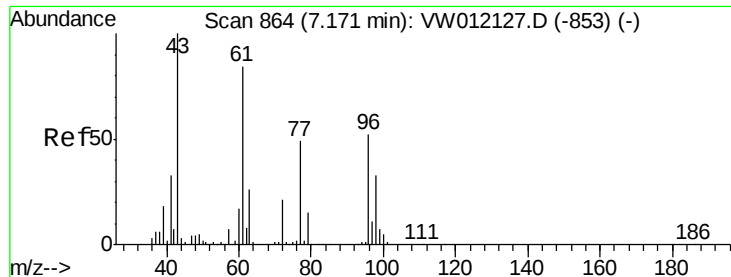
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 265.482 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 240896

Ion Ratio Lower Upper

43 100

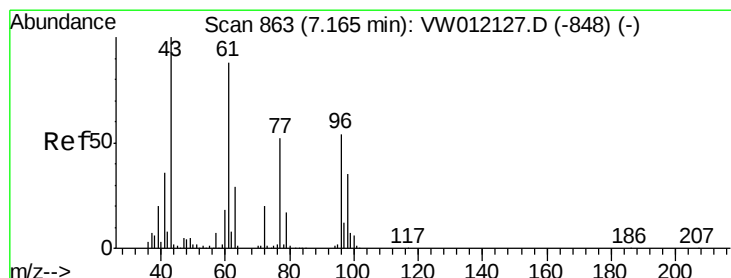
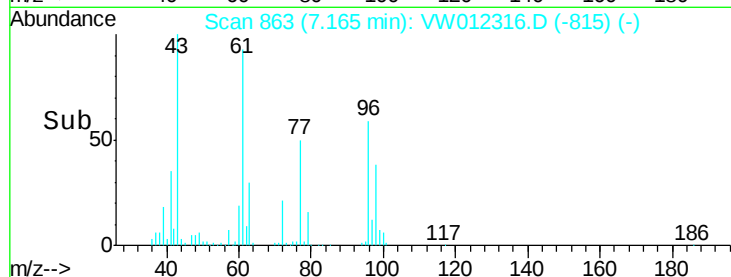
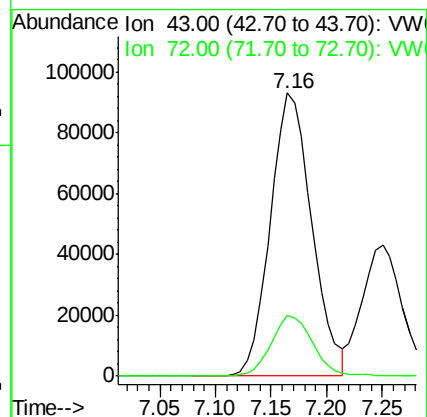
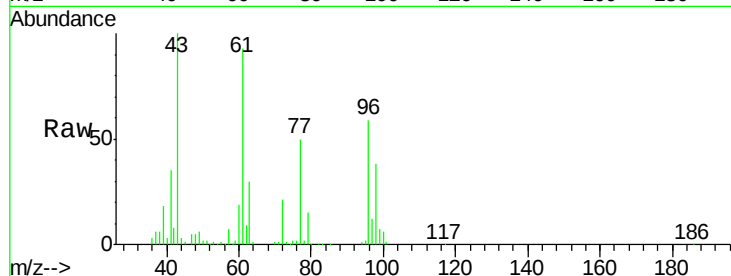
72 21.3 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 49.228 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012316.D

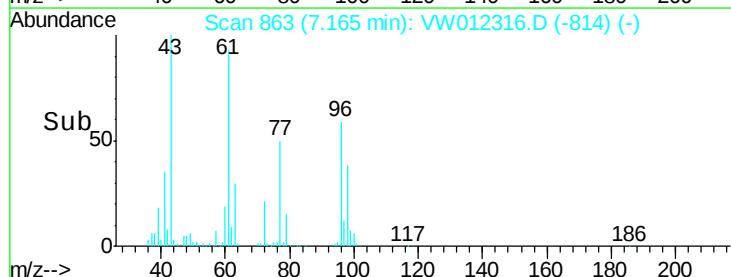
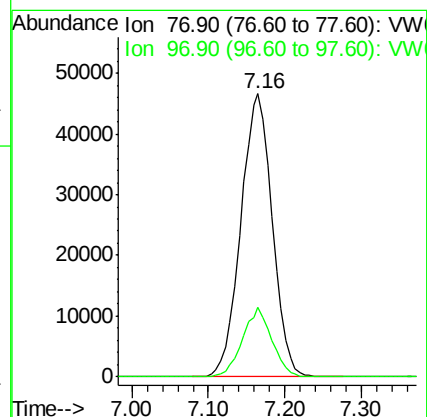
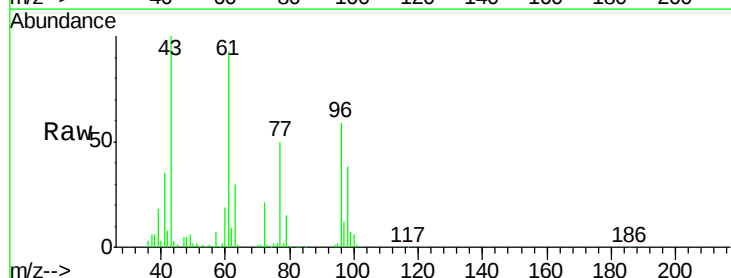
Acq: 29 Aug 2019 20:46

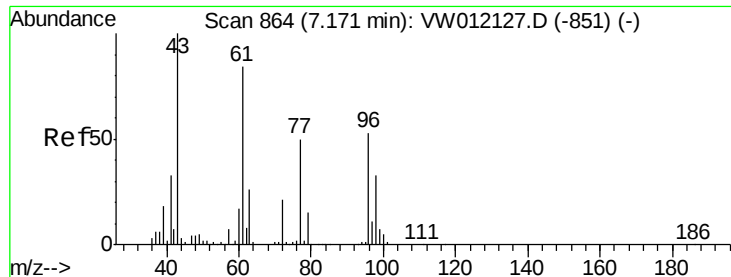
Tgt Ion: 77 Resp: 132513

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

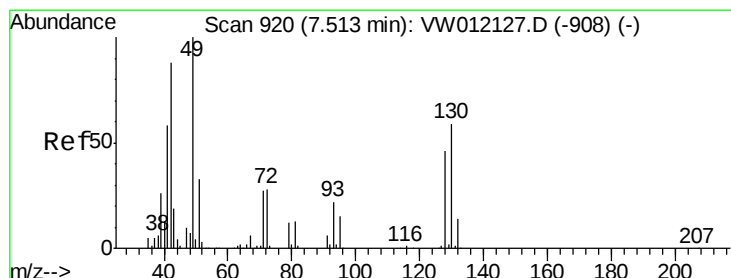
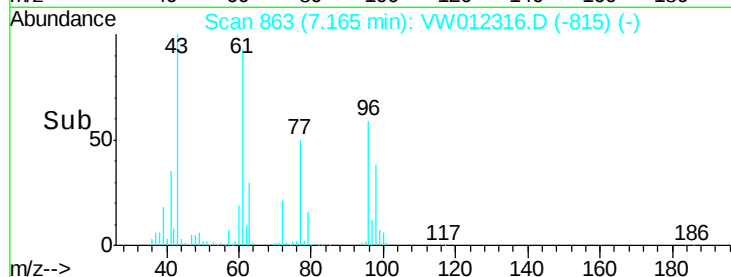
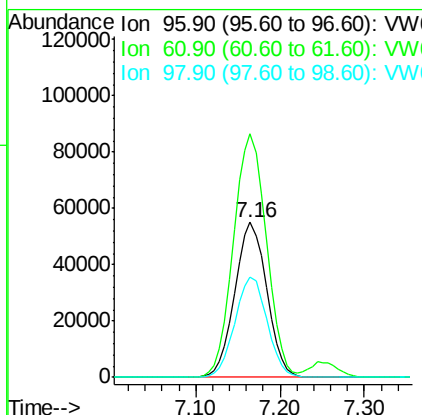
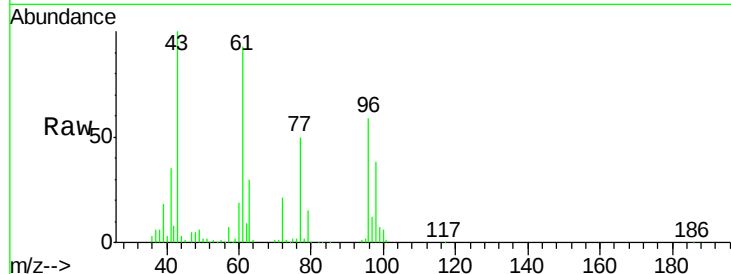
cis-1,2-Dichloroethene
Concen: 56.117 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141714		
61	161.2	0.0	326.6	
98	64.7	0.0	127.4	

Manual Integrations
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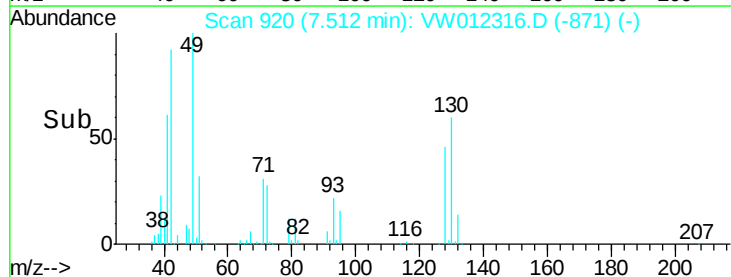
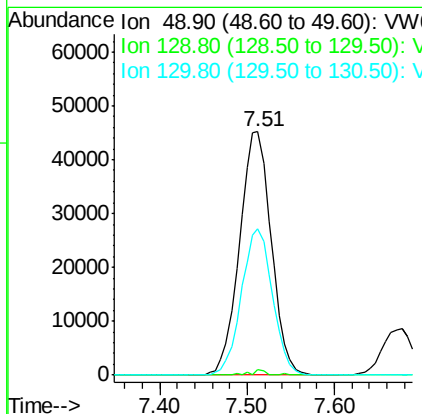
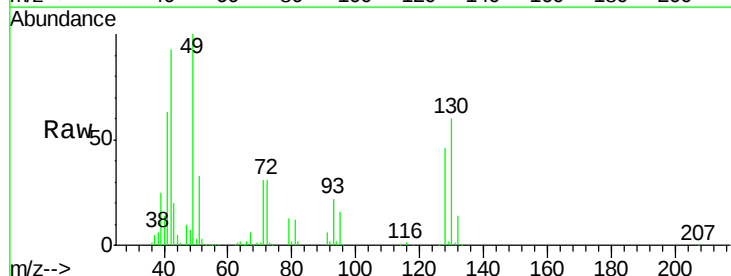
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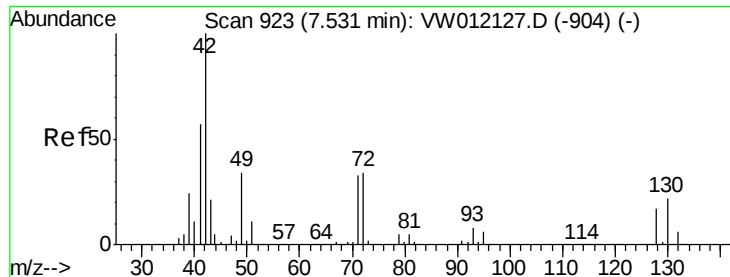


#28

Bromochloromethane
Concen: 54.867 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113729		
129	1.0	0.0	1.4	
130	58.8	45.5	68.3	





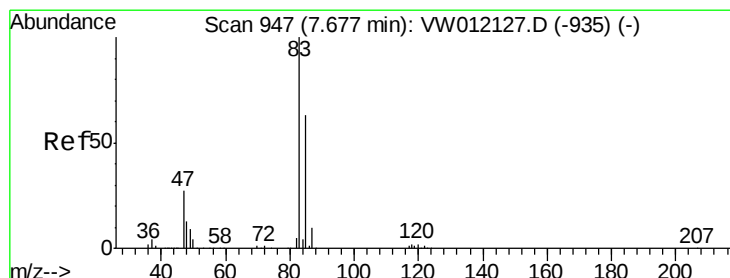
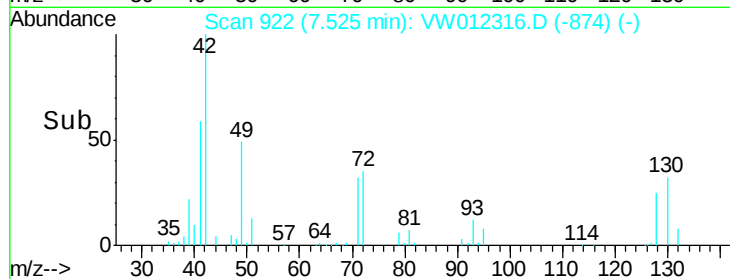
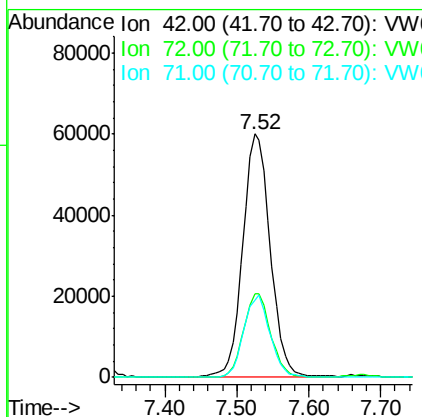
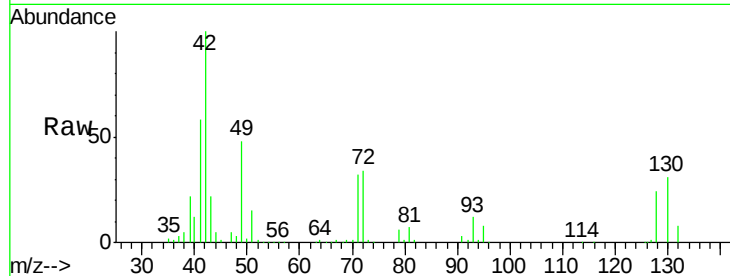
#29
Tetrahydrofuran
Concen: 291.402 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	33.9	27.3	40.9	
71	32.4	25.5	38.3	

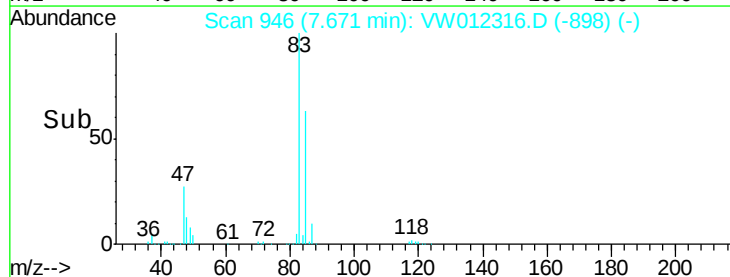
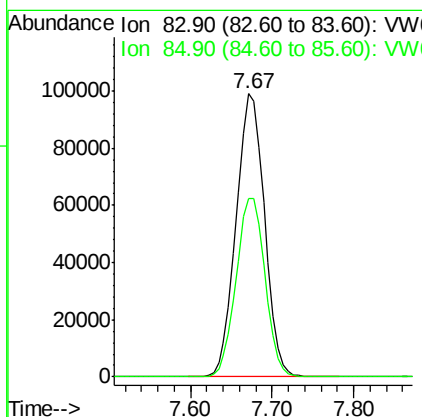
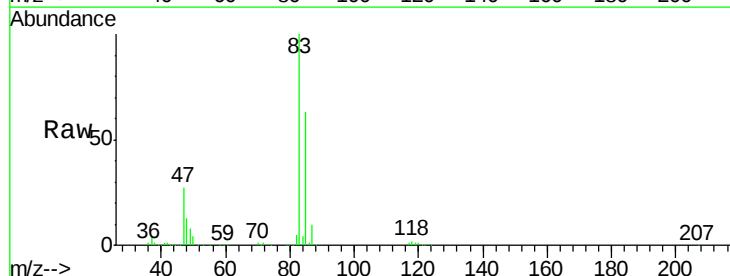
Manual Integrations
APPROVED

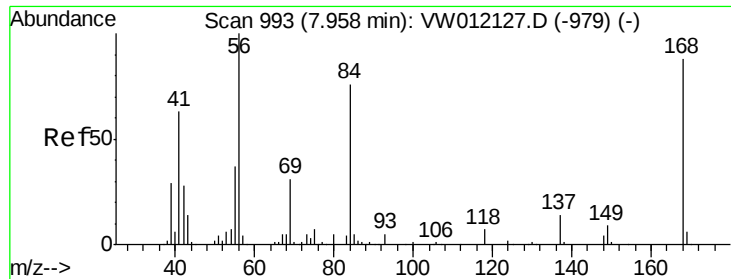
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#30
Chloroform
Concen: 54.833 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	50.6	76.0	





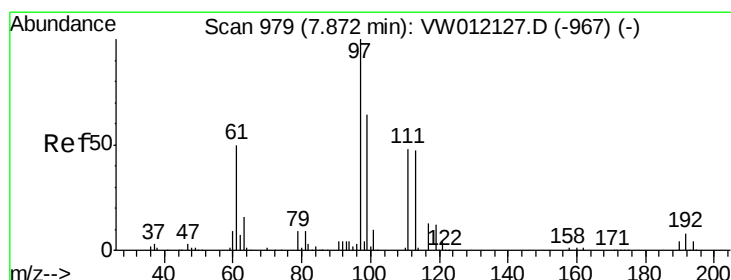
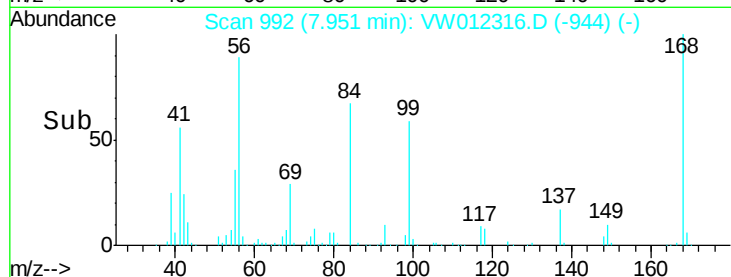
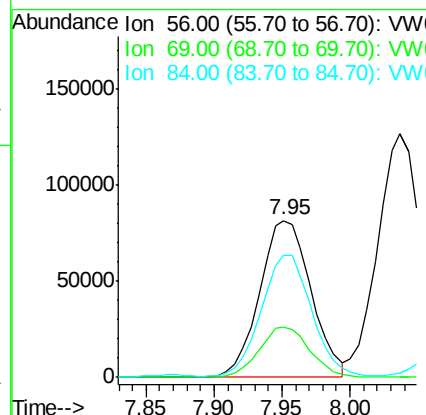
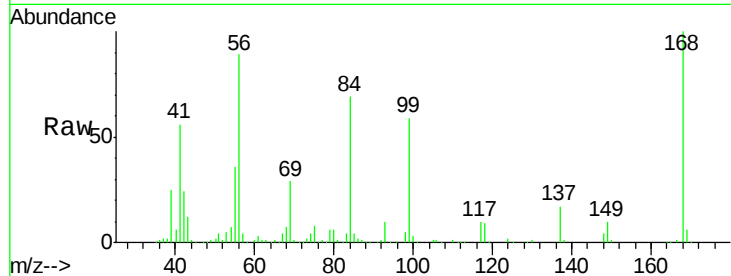
#31
Cyclohexane
Concen: 45.796 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.9	37.3
84	77.0	60.6	90.8

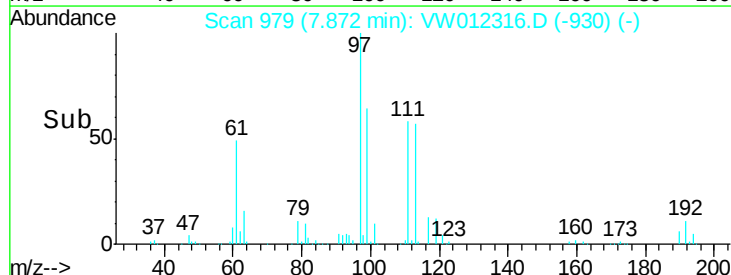
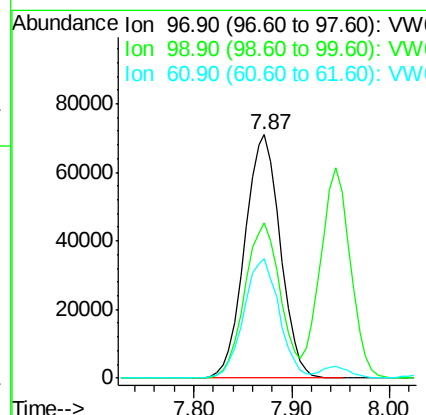
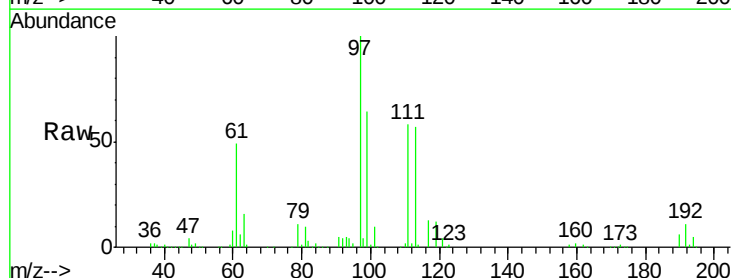
Manual Integrations
APPROVED

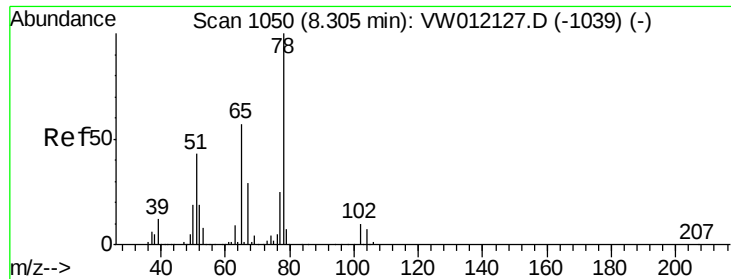
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#32
1,1,1-Trichloroethane
Concen: 51.872 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	49.0	39.5	59.3





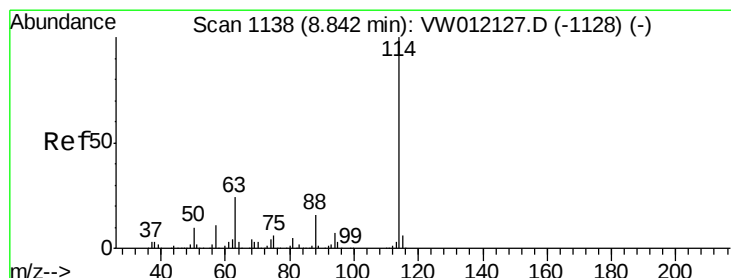
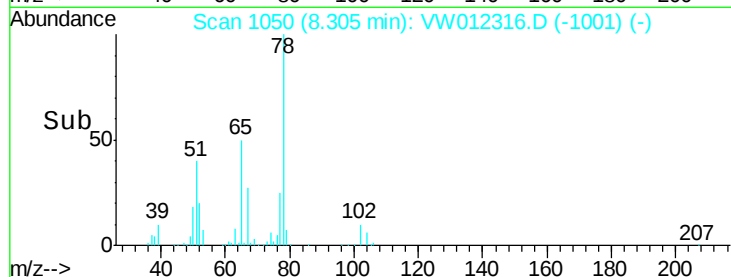
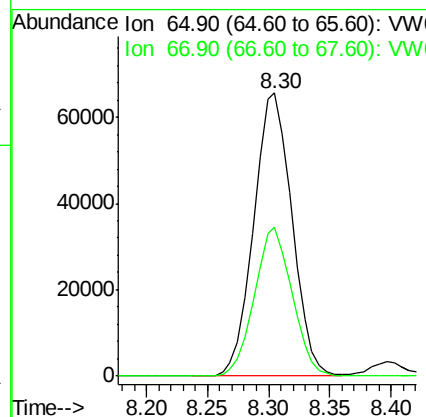
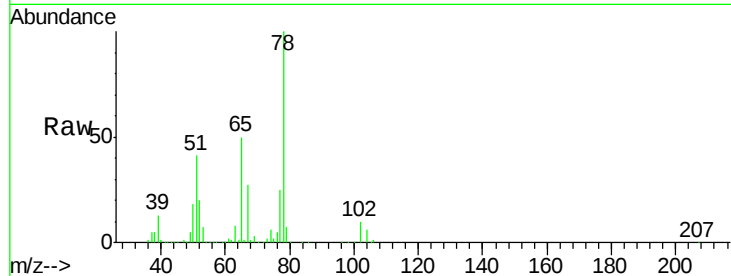
#33
 1,2-Dichloroethane-d4
 Concen: 54.756 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143037		
67	51.8	0.0	102.6	

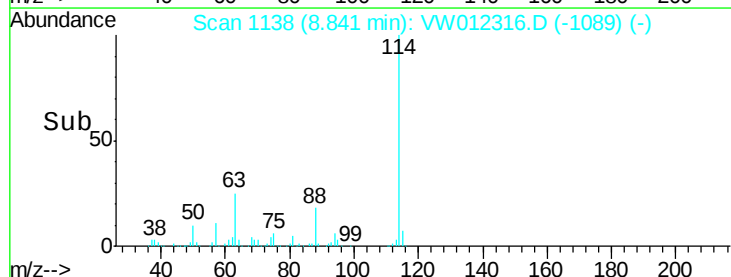
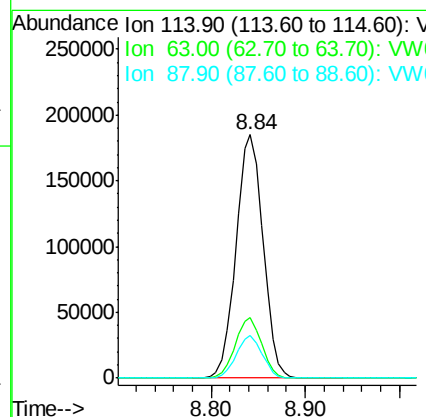
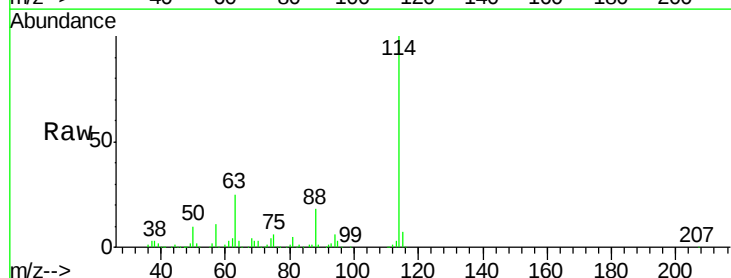
Manual Integrations
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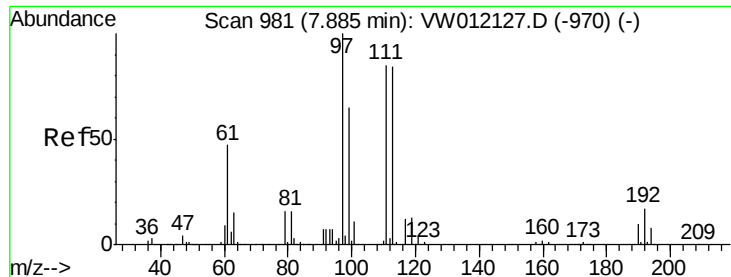
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	368078		
63	25.1	0.0	48.6	
88	17.6	0.0	32.2	





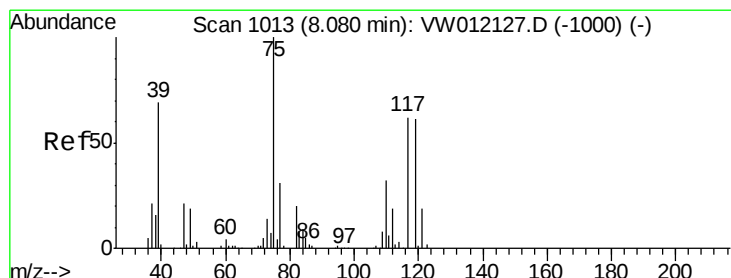
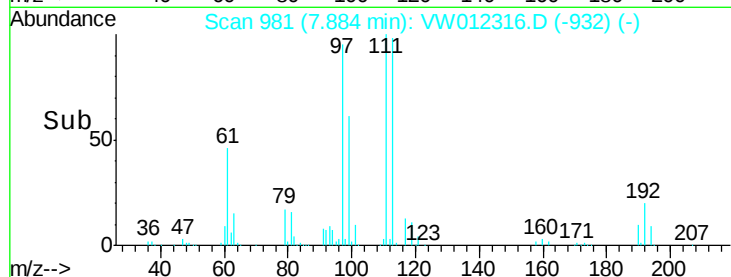
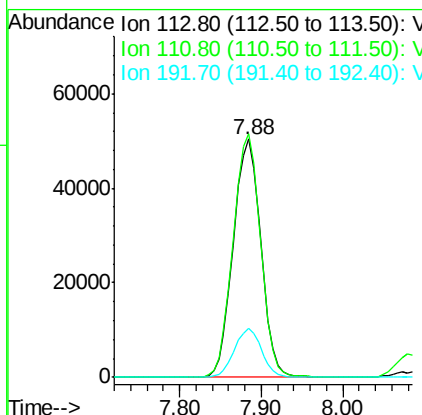
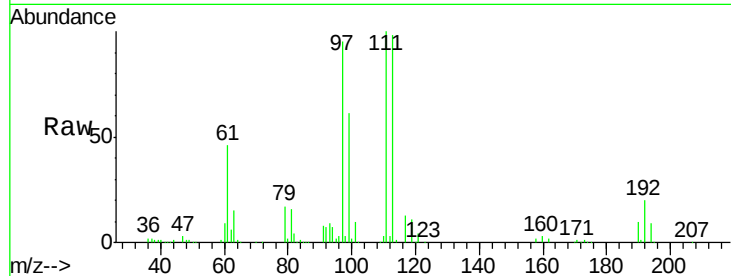
#35
Dibromofluoromethane
Concen: 53.524 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117596		
111	102.0	82.7	124.1	
192	20.3	16.2	24.2	

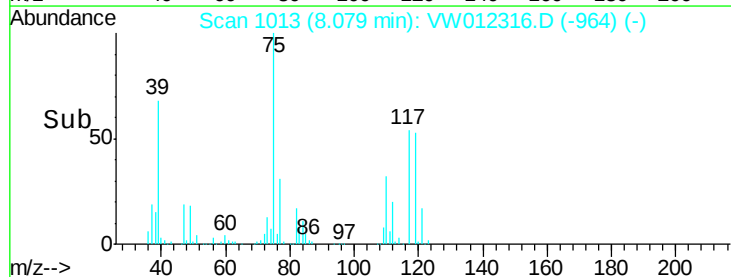
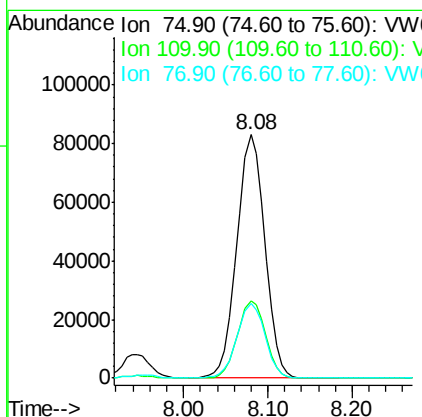
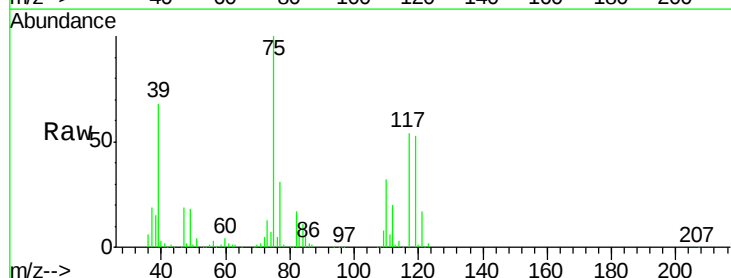
Manual Integrations
APPROVED

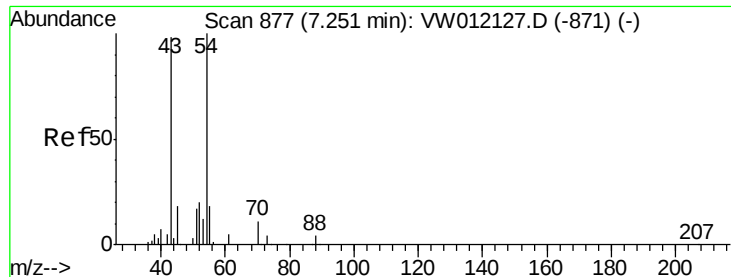
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#36
1,1-Dichloropropene
Concen: 49.018 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186449		
110	31.7	15.6	46.8	
77	31.0	24.6	36.8	





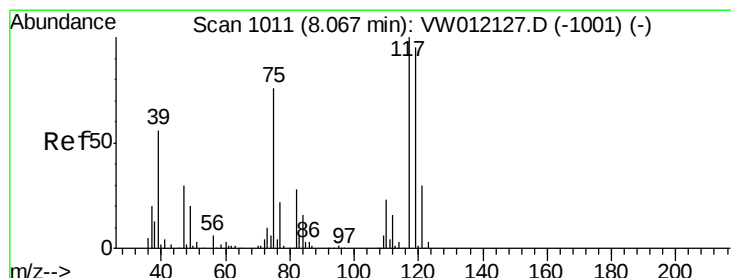
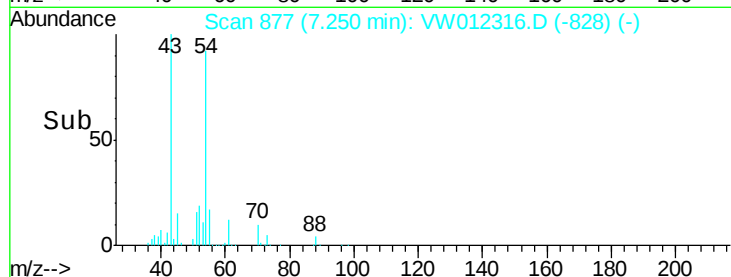
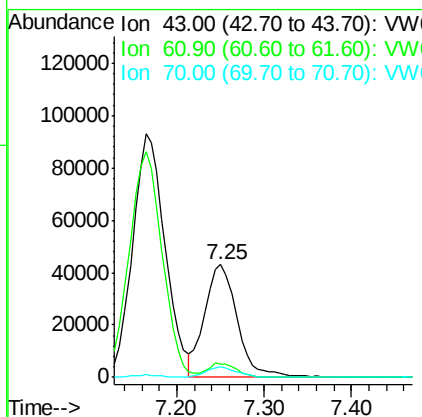
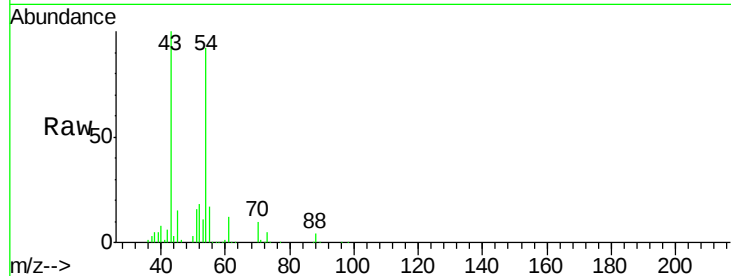
#37
Ethyl Acetate
Concen: 53.188 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.2	13.8
70	8.8	6.9	10.3

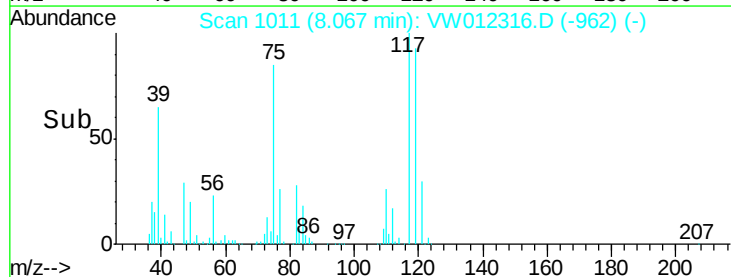
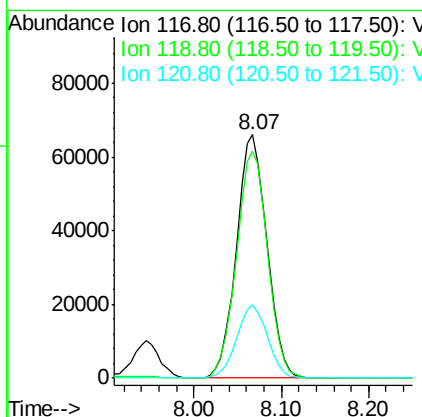
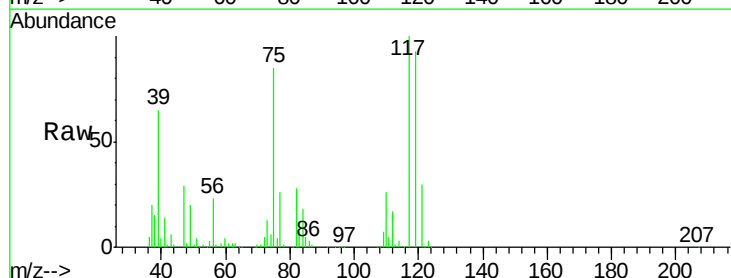
Manual Integrations
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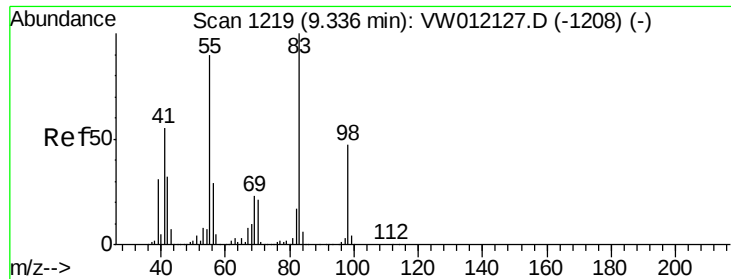
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#38
Carbon Tetrachloride
Concen: 48.553 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.2
121	30.1	23.8	35.8





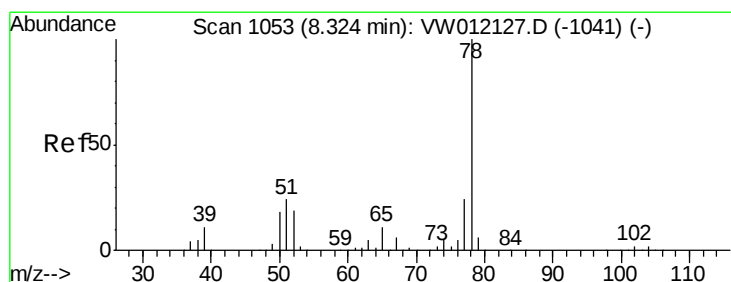
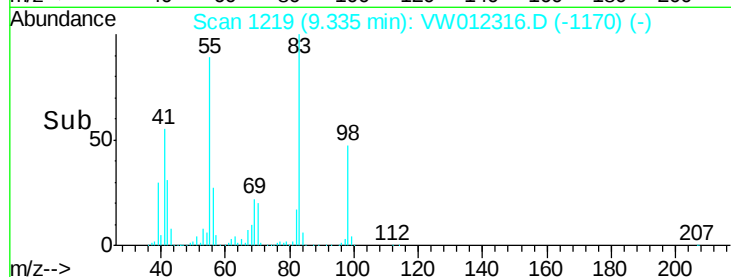
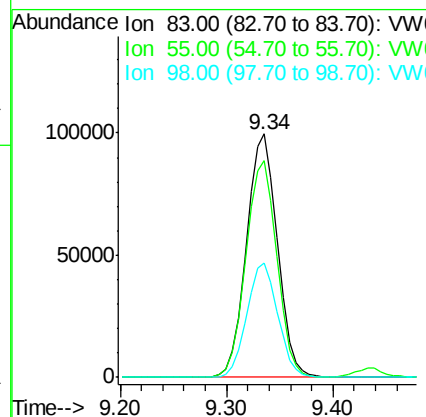
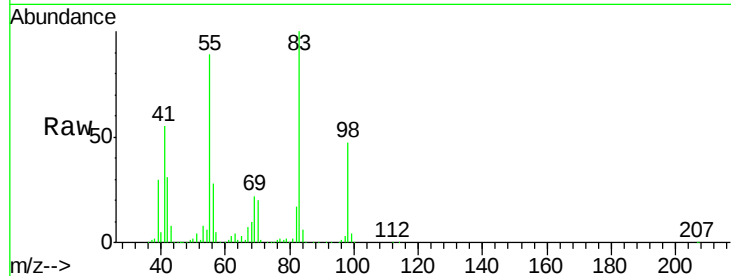
#39
Methvlcvclohexane
Concen: 47.640 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.8	107.8
98	46.9	37.8	56.8

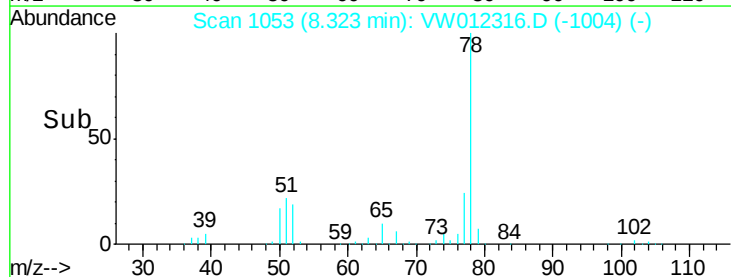
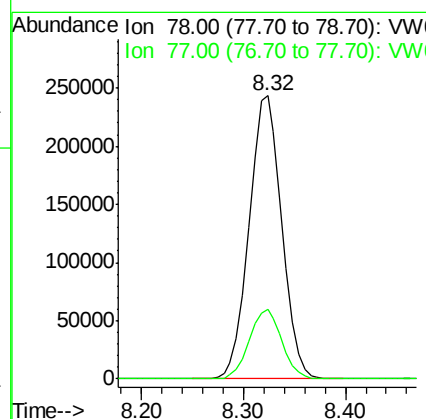
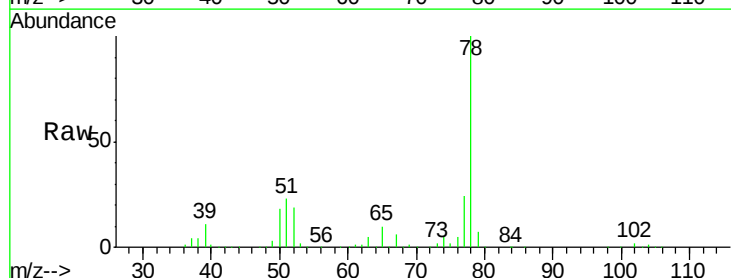
Manual Integrations
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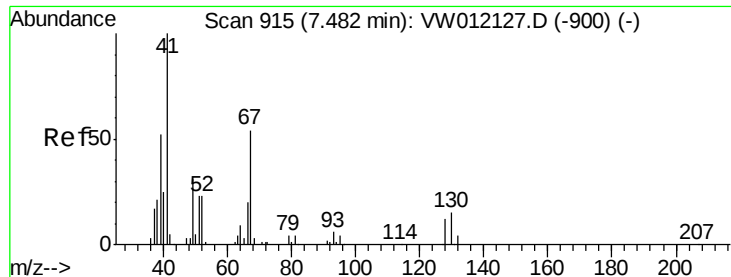
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8/30/2019 11:44:24 AM



#40
Benzene
Concen: 52.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





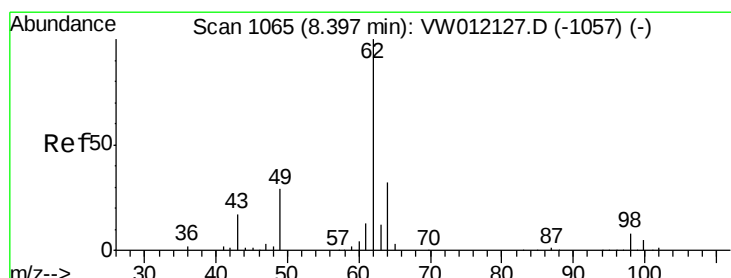
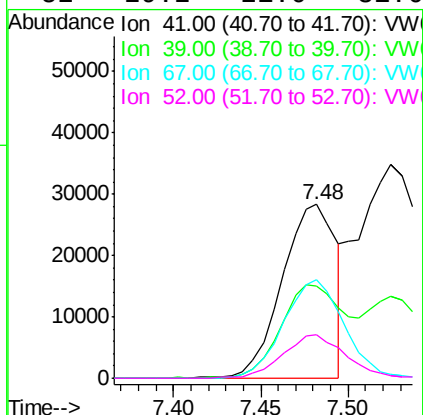
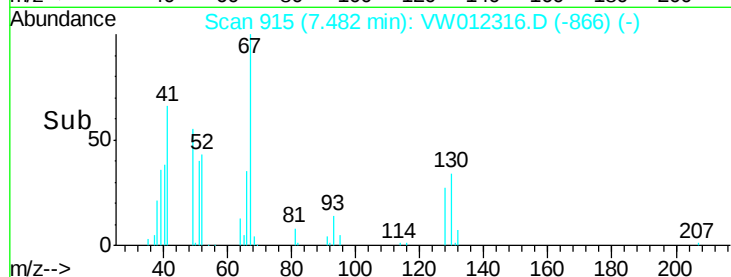
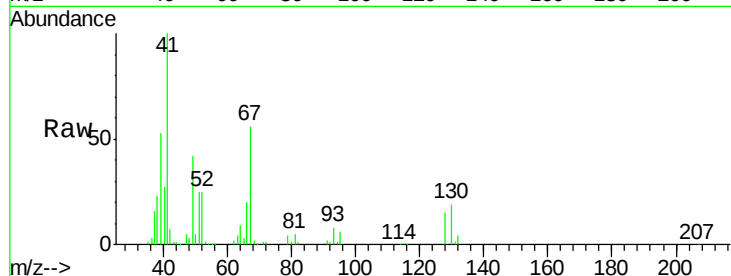
#41
Methacrylonitrile
Concen: 49.766 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60966		
39	66.6	45.8	68.8		
67	64.0	46.2	69.4		
52	29.2	21.0	31.6		

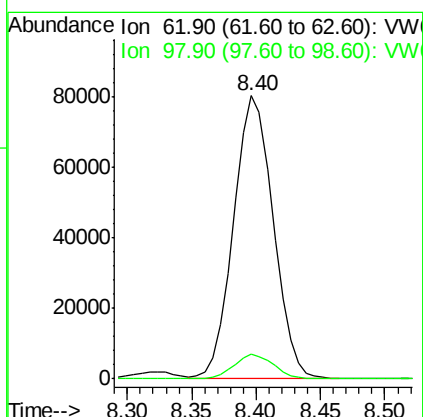
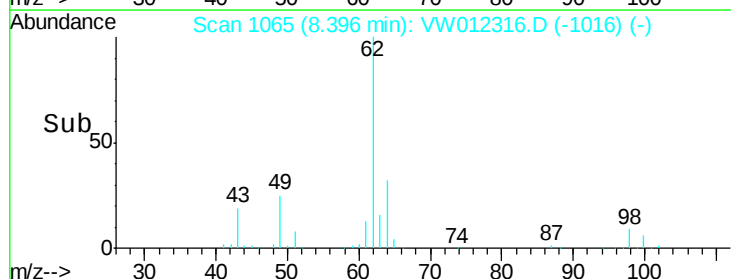
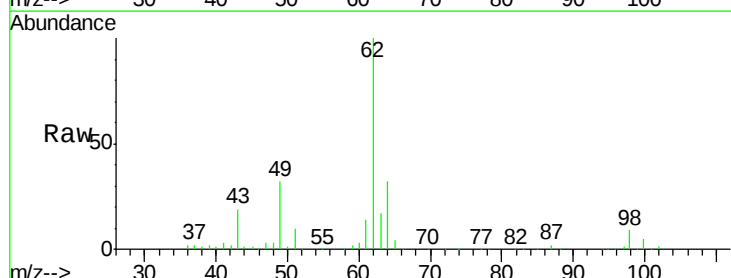
Manual Integrations
APPROVED

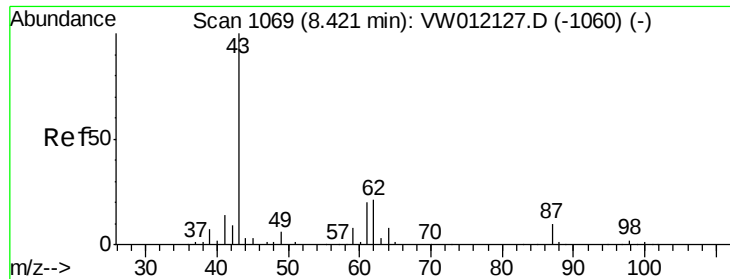
MMDadoda
8/30/2019 11:44:24 AM



#42
1,2-Dichloroethane
Concen: 52.728 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		171637		
98	8.7	0.0	16.6		





#43

Isopropyl Acetate

Concen: 54.953 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

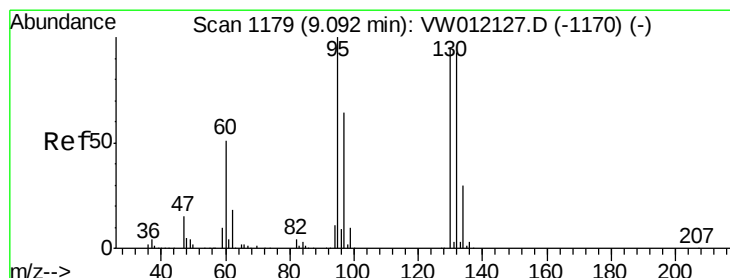
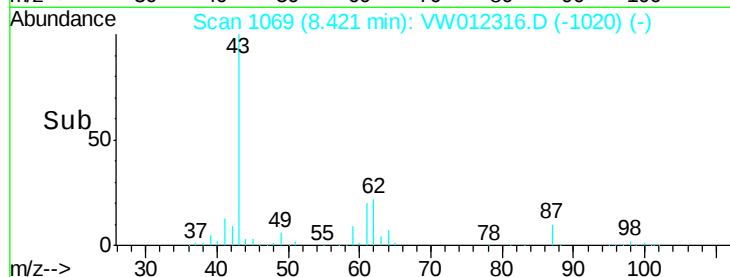
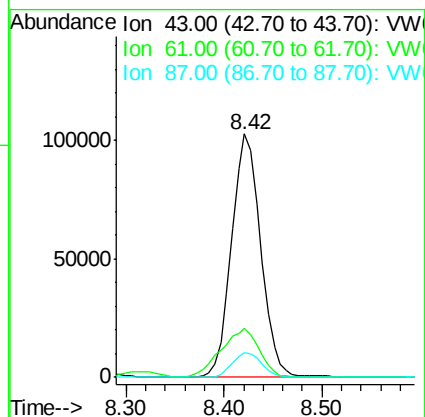
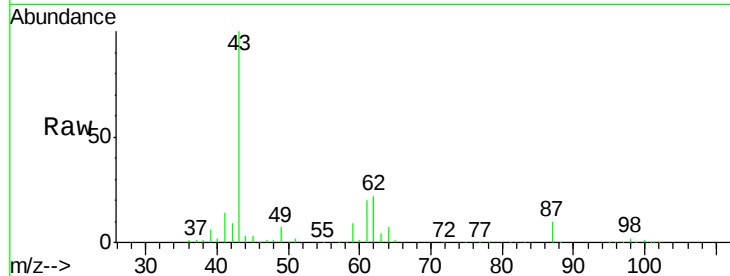
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	212165
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.3	8.2	12.2

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#44

Trichloroethene

Concen: 51.939 ug/l

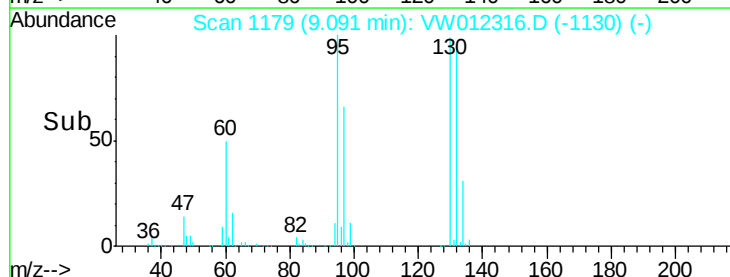
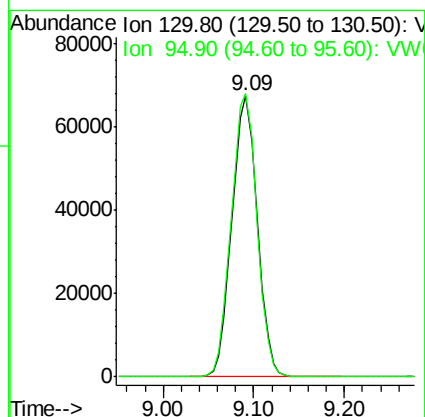
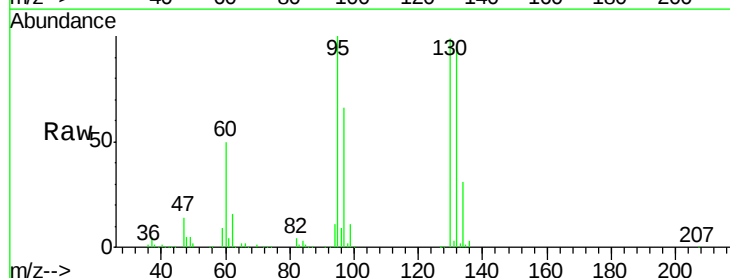
RT: 9.09 min Scan# 1179

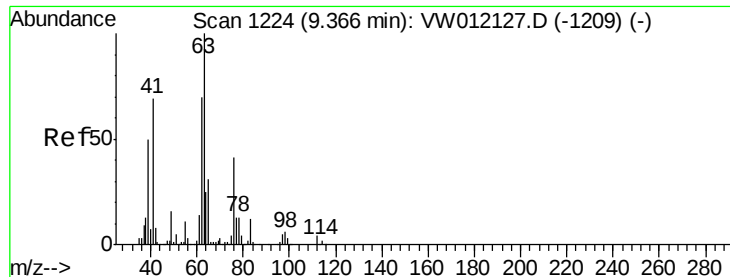
Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	130	Resp:	131138
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	210.6





#45

1,2-Dichloropropane

Concen: 53.143 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 148548

Ion Ratio Lower Upper

63 100

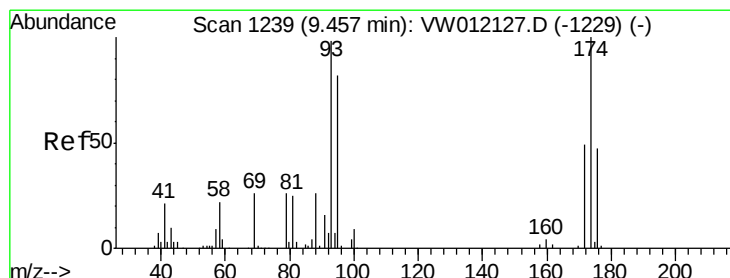
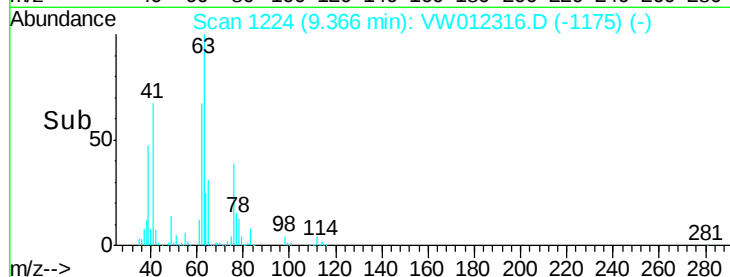
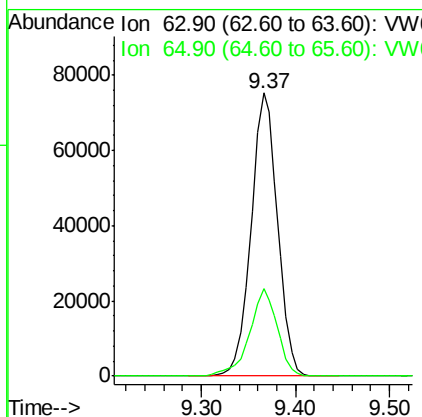
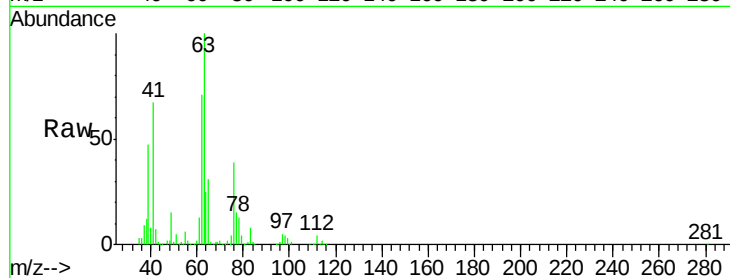
65 30.8 25.0 37.4

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#46

Dibromomethane

Concen: 53.531 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

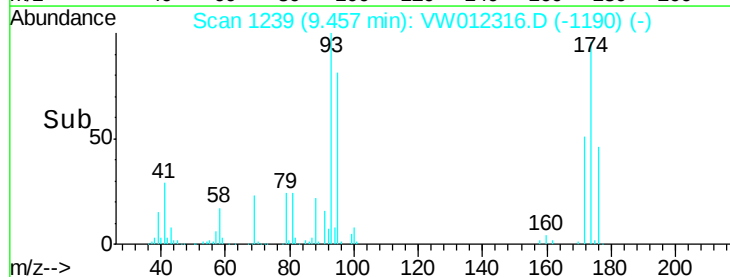
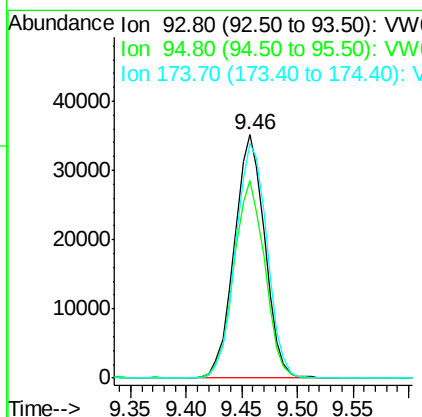
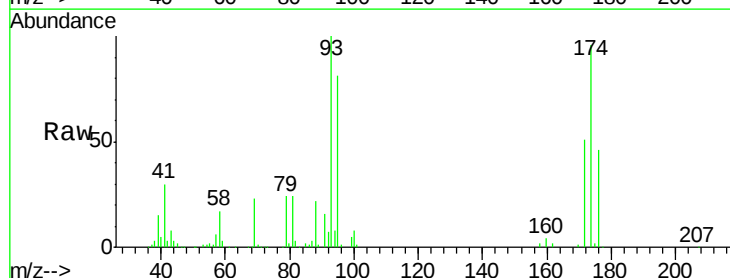
Tgt Ion: 93 Resp: 66576

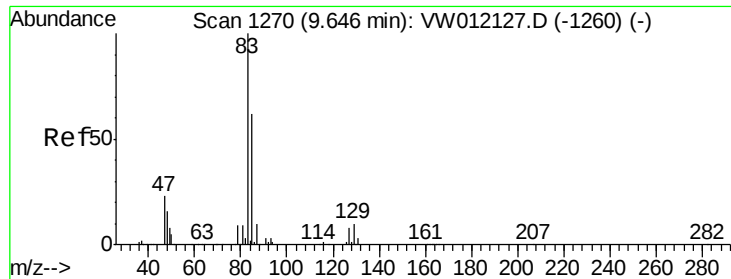
Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 99.6 79.0 118.6





#47

Bromodichloromethane

Concen: 53.045 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

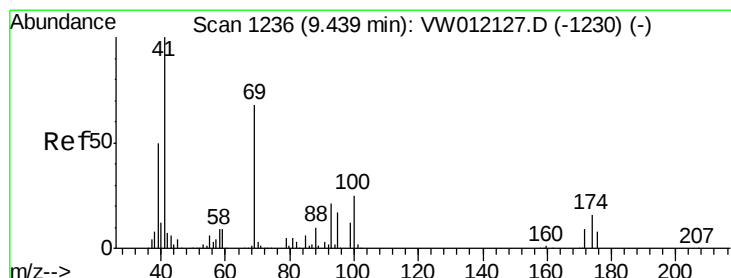
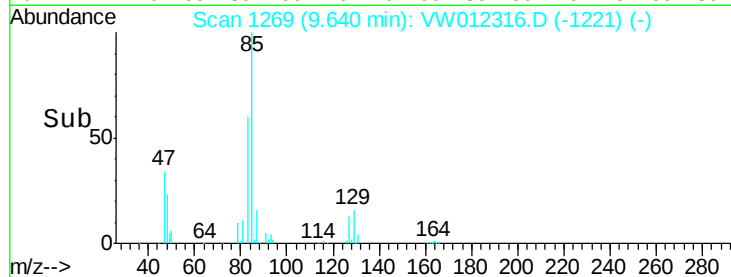
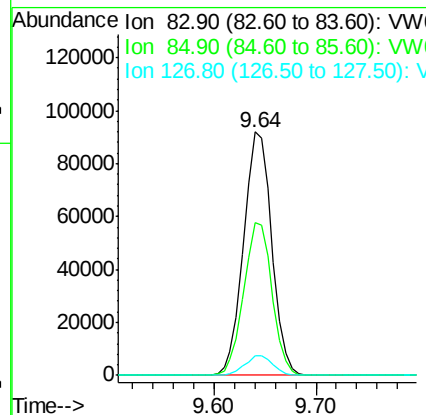
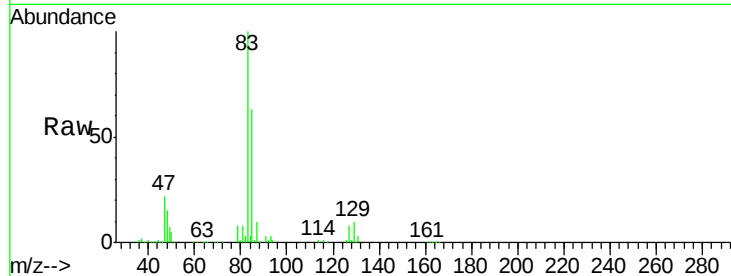
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175577
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.4	74.2
127	7.9	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.230 ug/l

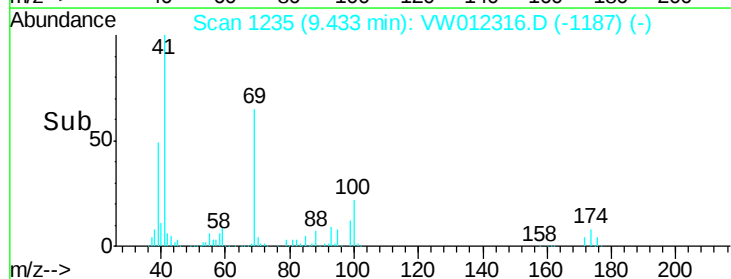
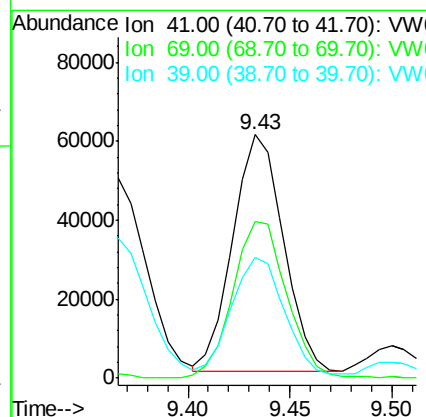
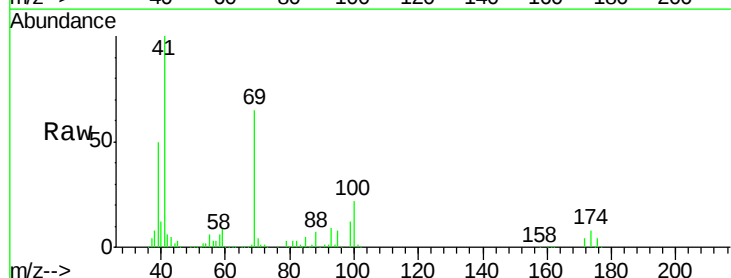
RT: 9.43 min Scan# 1235

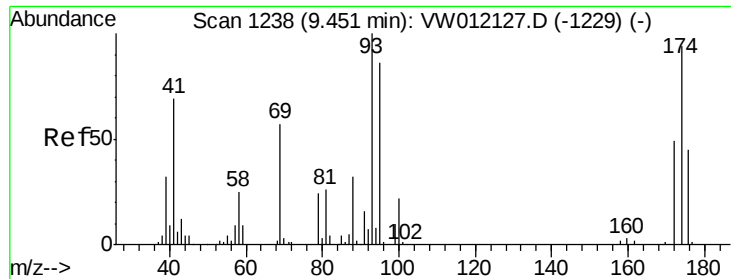
Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	41	Resp:	103328
Ion	Ratio	Lower	Upper
41	100		
69	71.3	56.7	85.1
39	54.6	42.0	63.0





#49

1,4-Dioxane

Concen: 1006.233 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19158

Ion Ratio Lower Upper

88 100

43 43.5 32.9 49.3

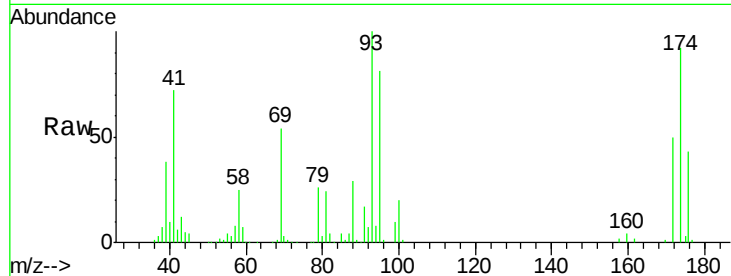
58 86.4 71.0 106.4

Manual Integrations

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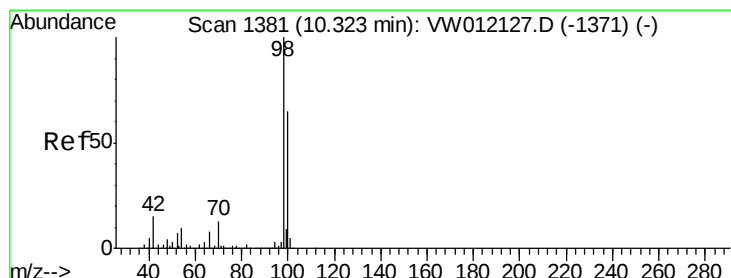
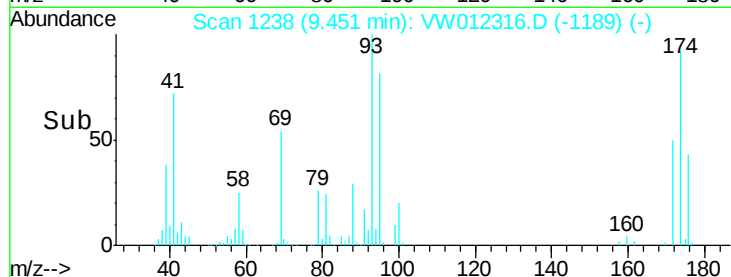
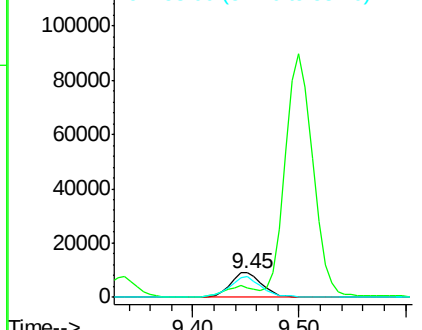


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.772 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012316.D

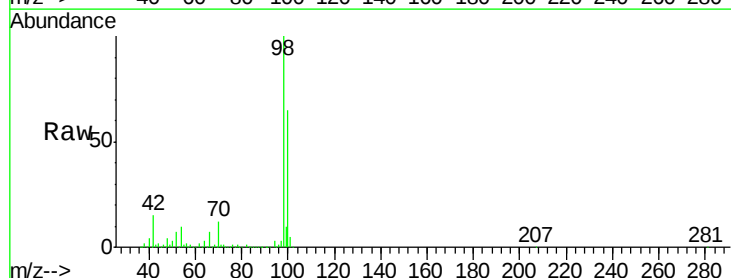
Acq: 29 Aug 2019 20:46

Tgt Ion: 98 Resp: 461208

Ion Ratio Lower Upper

98 100

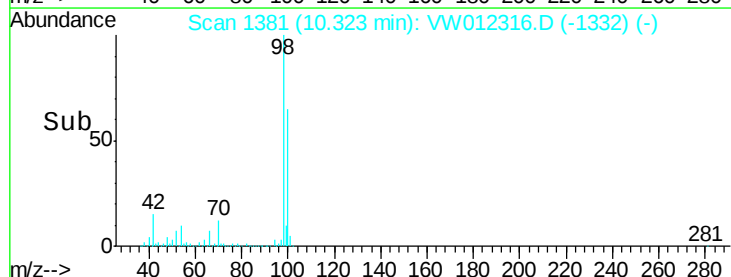
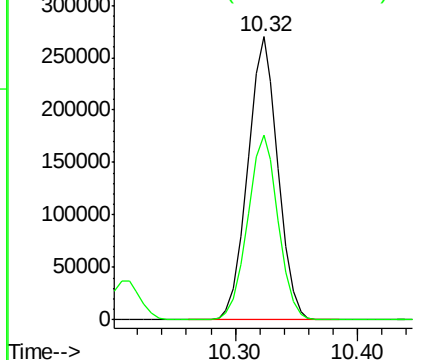
100 66.0 52.4 78.6

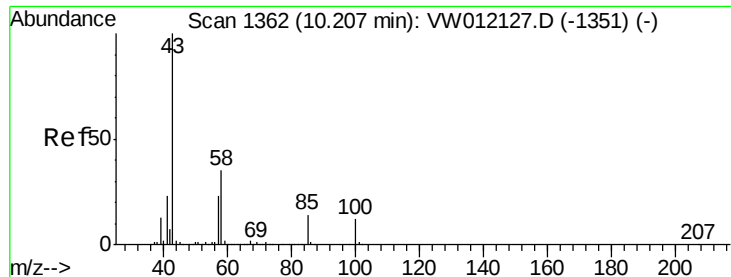


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 272.997 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 536100

Ion Ratio Lower Upper

43 100

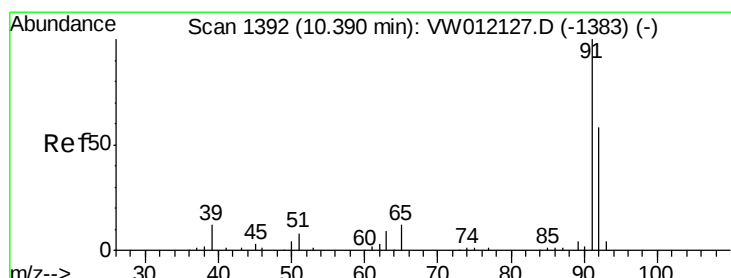
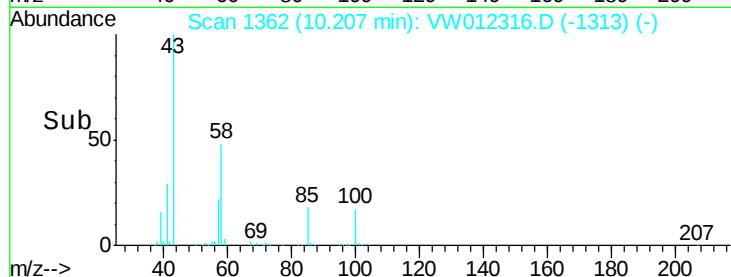
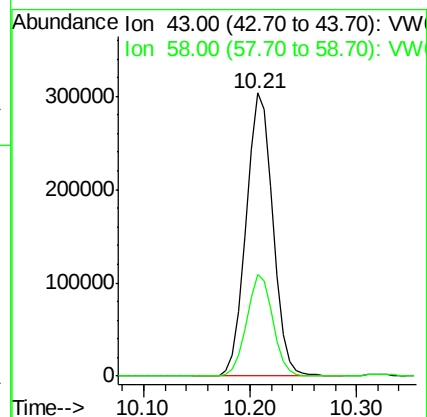
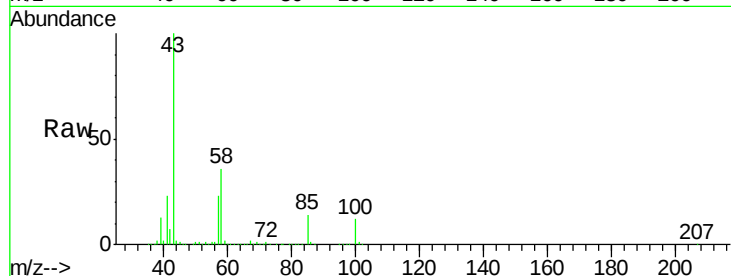
58 35.2 28.2 42.2

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#52

Toluene

Concen: 52.348 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012316.D

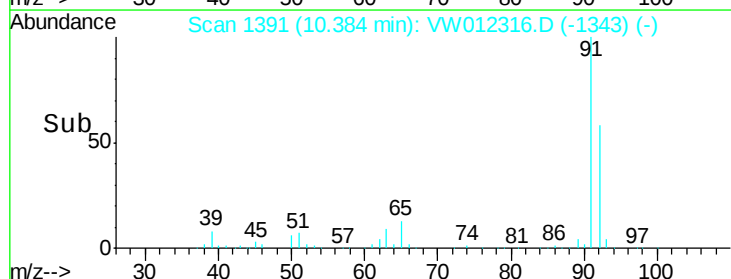
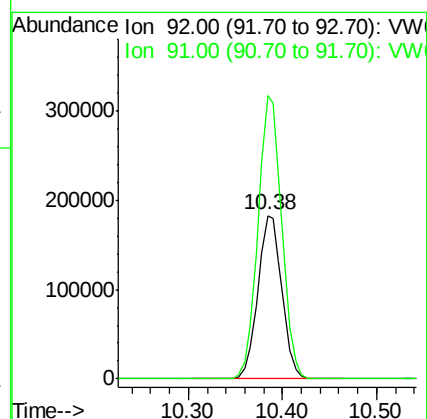
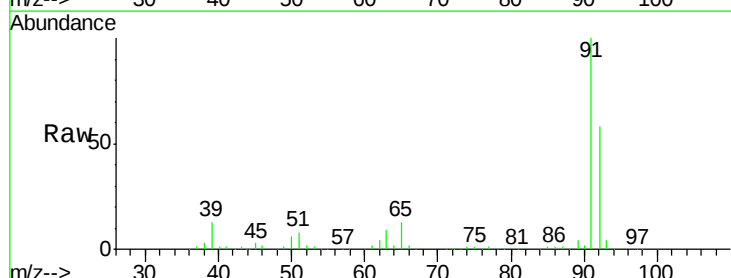
Acq: 29 Aug 2019 20:46

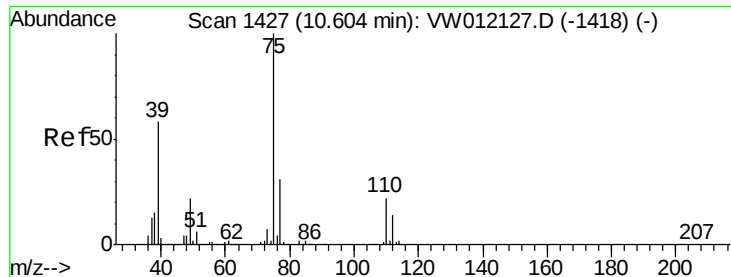
Tgt Ion: 92 Resp: 326619

Ion Ratio Lower Upper

92 100

91 172.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 54.264 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 182956

Ion Ratio Lower Upper

75 100

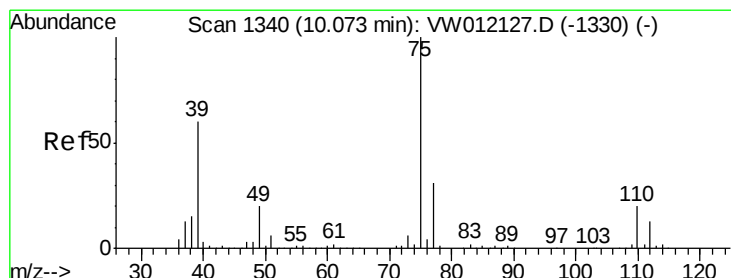
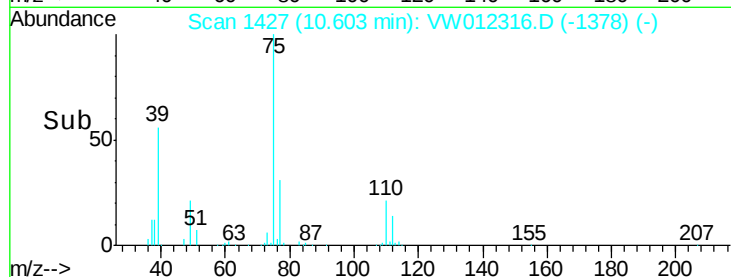
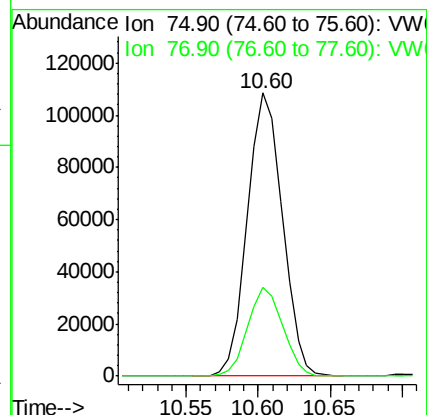
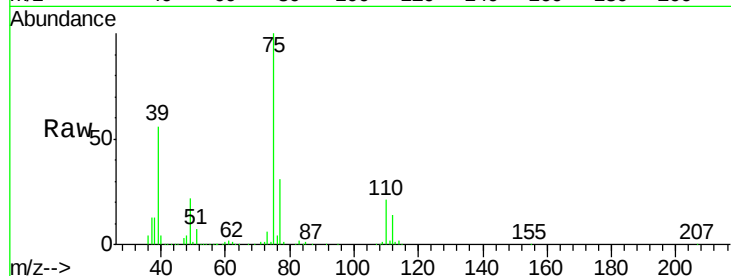
77 31.4 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 53.894 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

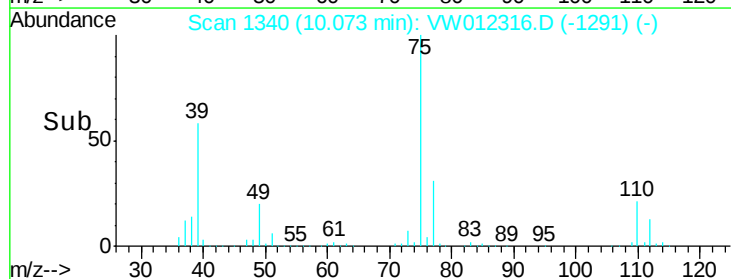
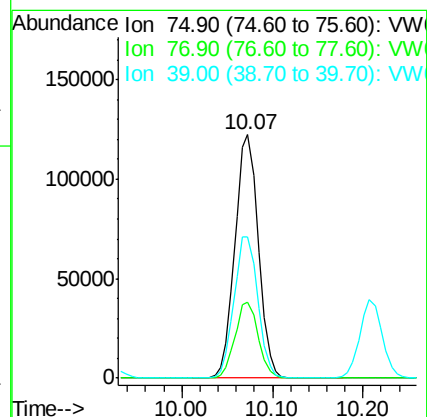
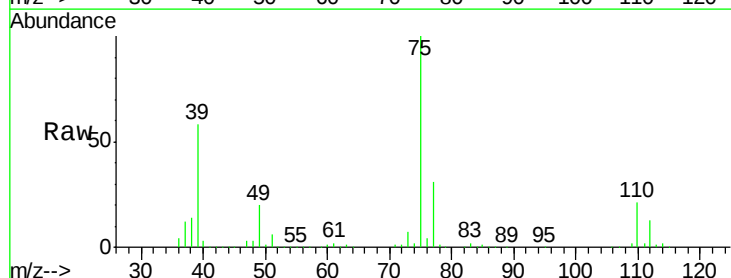
Tgt Ion: 75 Resp: 219404

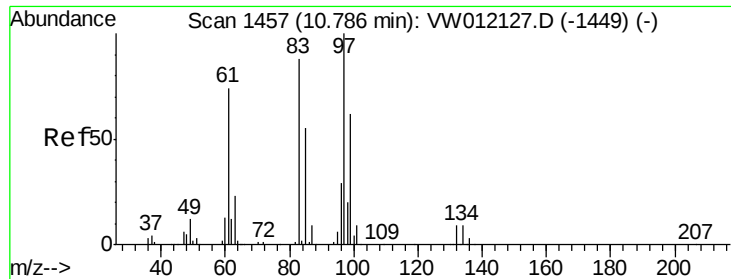
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 57.9 48.3 72.5





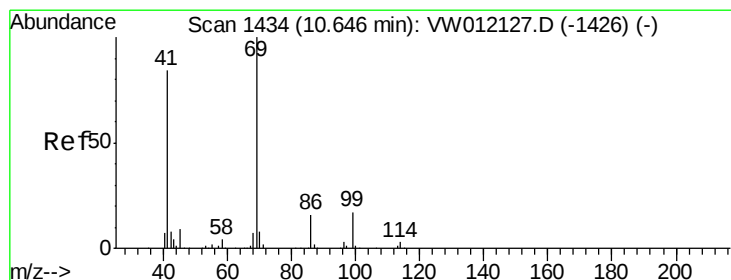
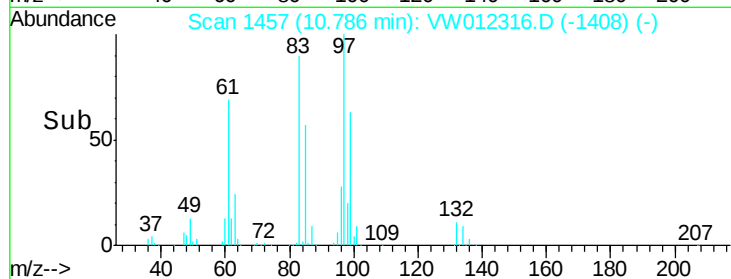
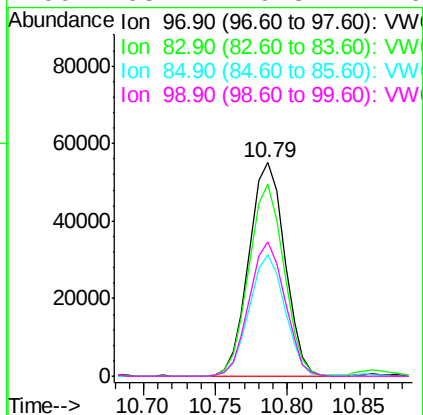
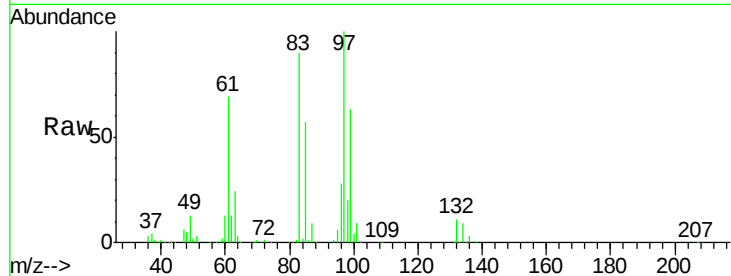
#55
 1,1,2-Trichloroethane
 Concen: 54.146 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95278
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.8	106.2
85	57.2	43.8	65.8
99	63.2	49.8	74.6

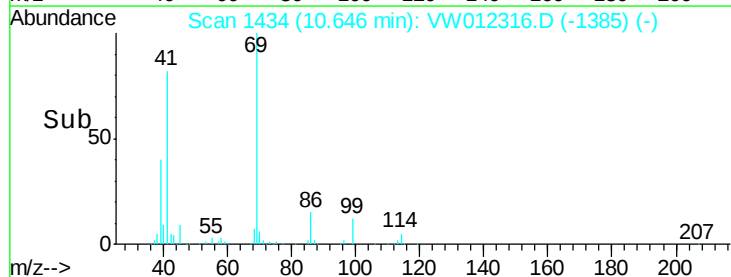
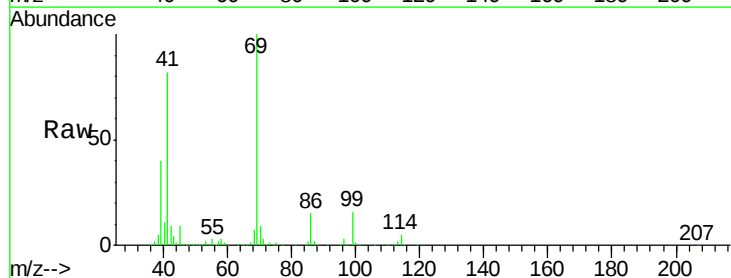
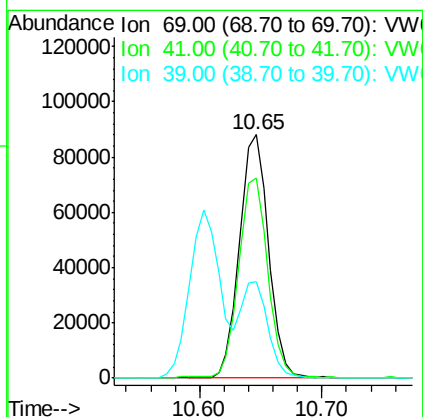
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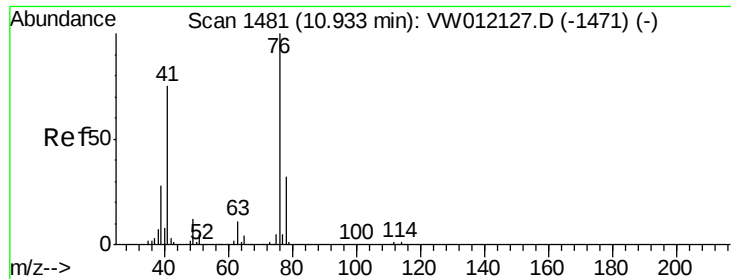
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#56
 Ethyl methacrylate
 Concen: 56.556 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion:	69	Resp:	144840
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.5	99.7
39	36.4	31.0	46.4





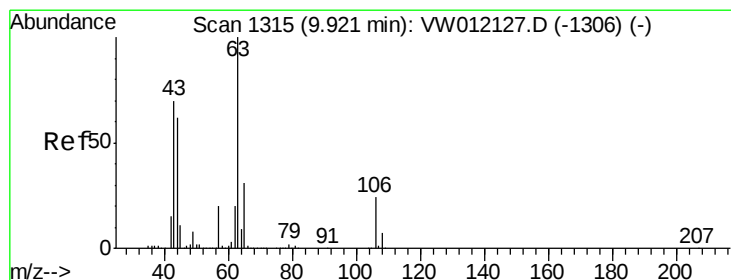
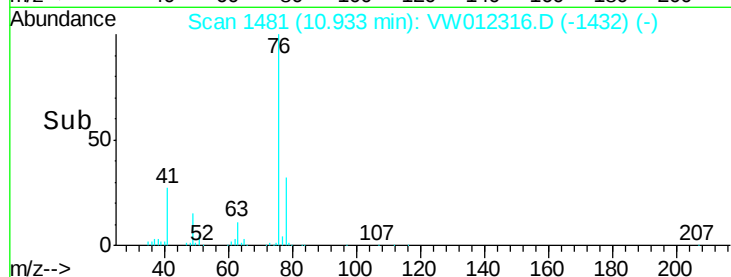
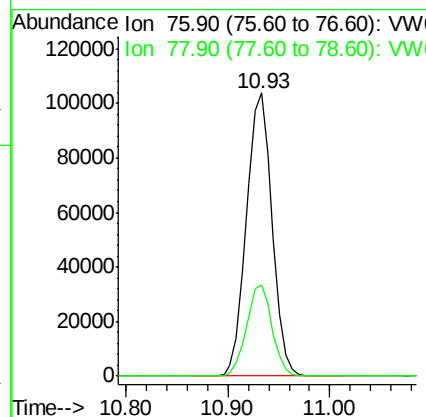
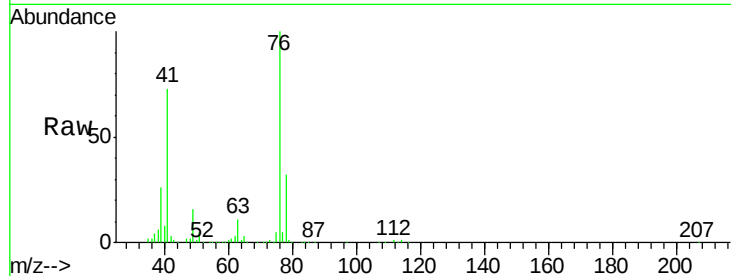
#57
 1,3-Dichloropropane
 Concen: 54.409 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 180926
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

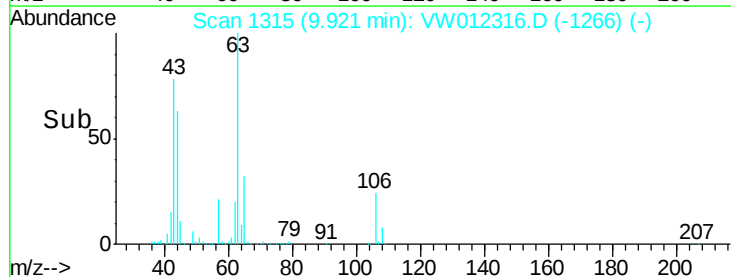
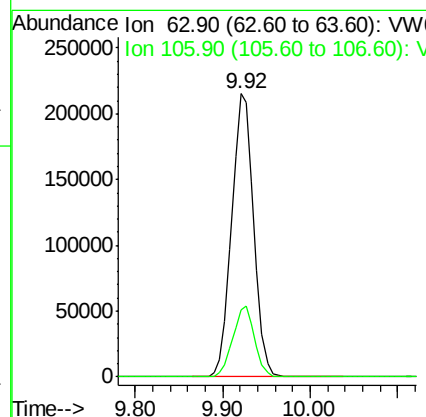
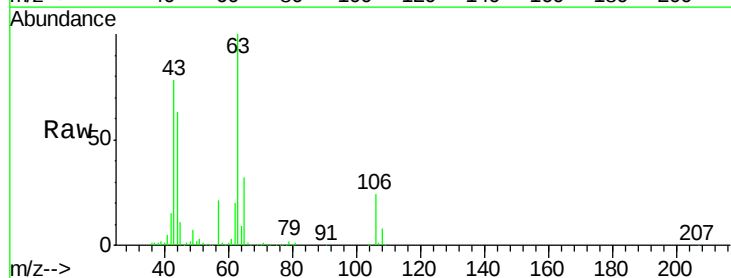
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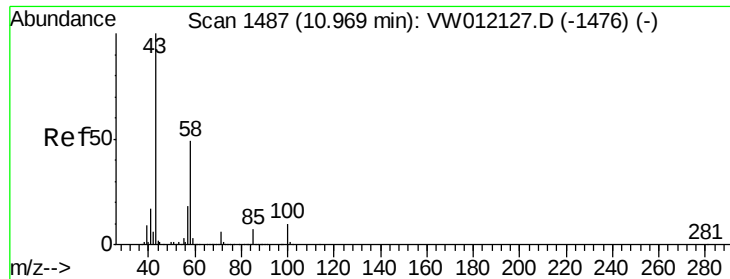
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 8/30/2019 11:44:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.437 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 63 Resp: 375169
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8





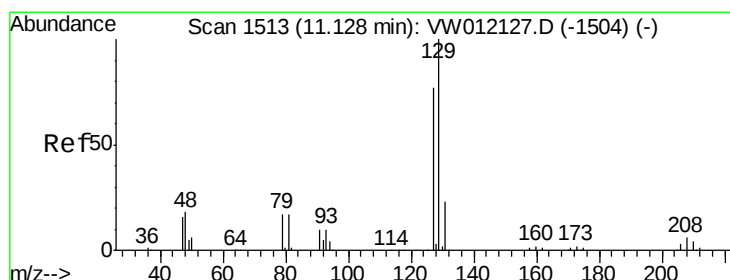
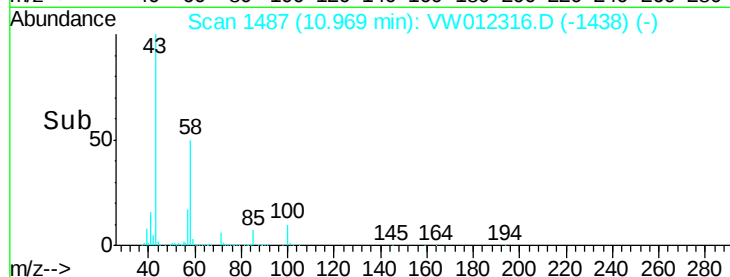
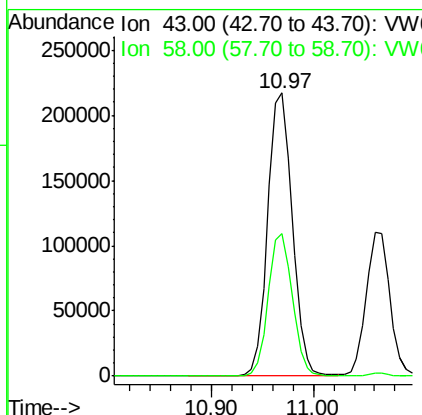
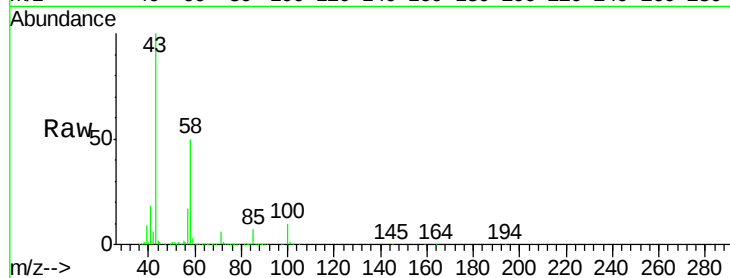
#59
2-Hexanone
Concen: 261.008 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.3	72.9

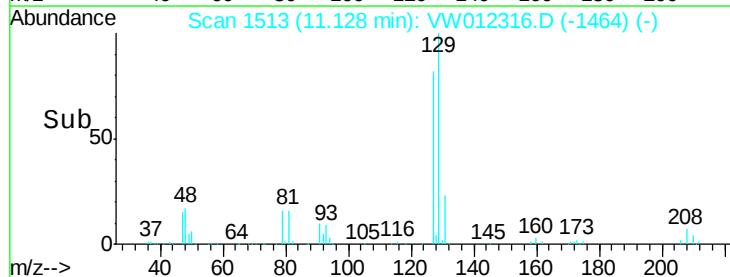
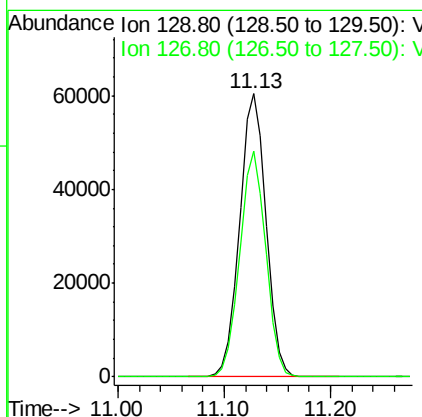
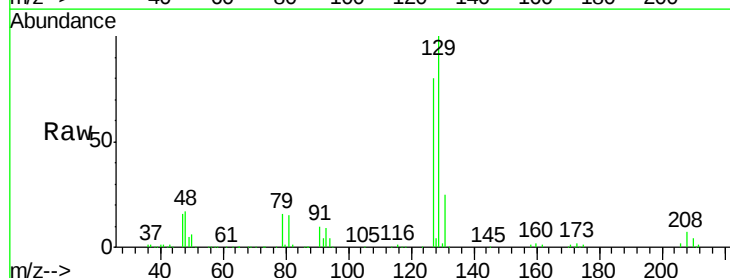
Manual Integrations
APPROVED

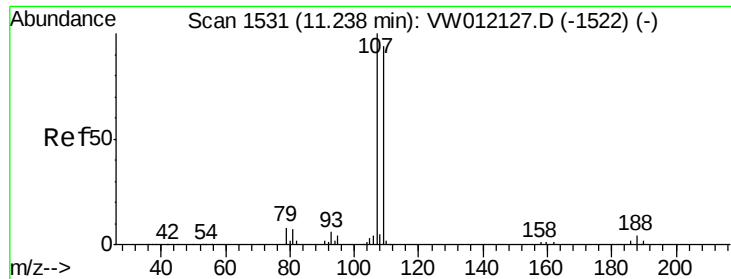
MMDadoda
8/30/2019 11:44:24 AM



#60
Dibromochloromethane
Concen: 53.683 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.8





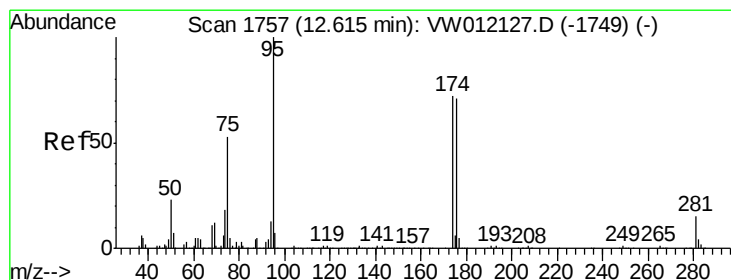
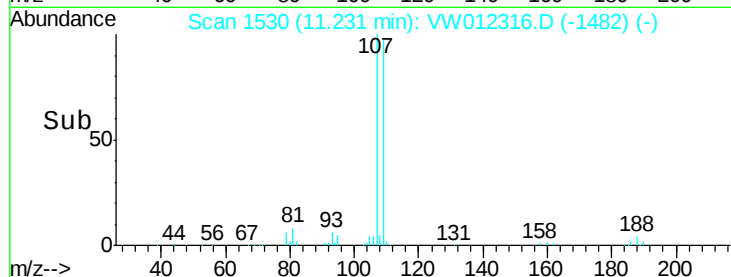
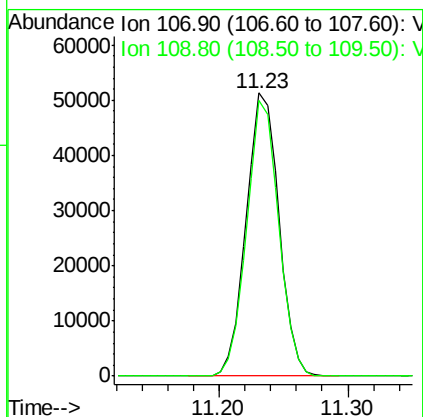
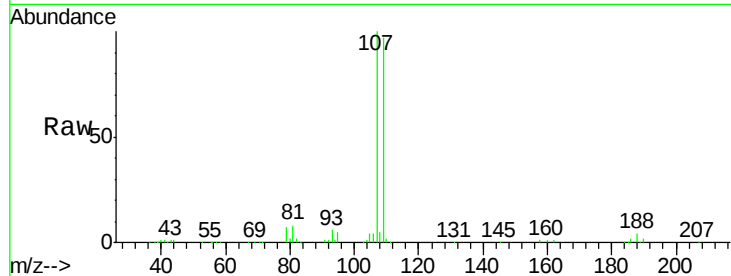
#61
 1,2-Dibromoethane
 Concen: 54.902 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 90003
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2

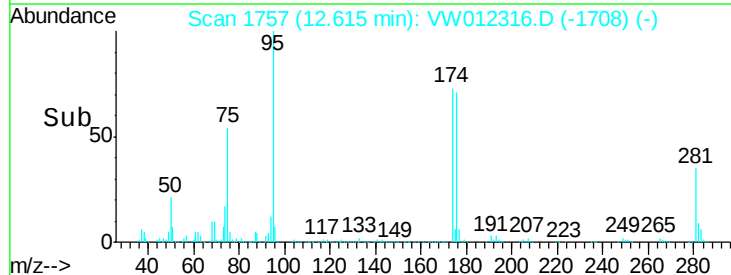
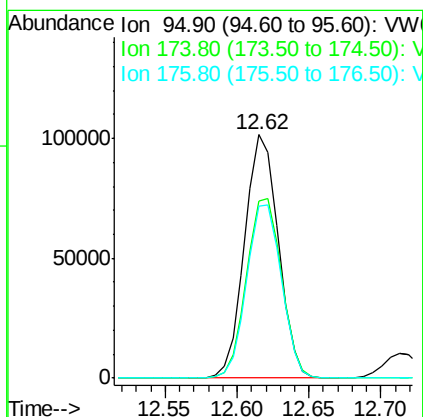
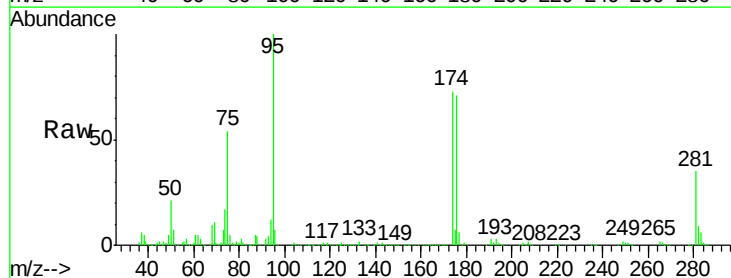
Manual Integrations
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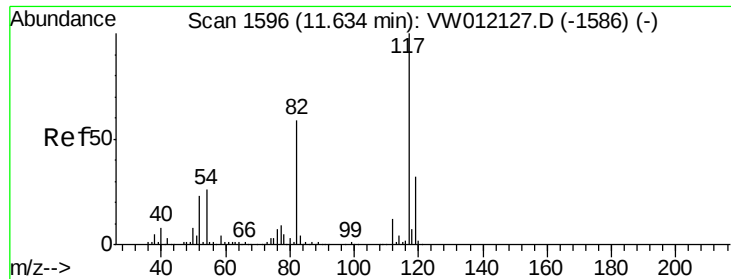
MMDadoda
 8/30/2019 11:44:24 AM



#62
 4-Bromofluorobenzene
 Concen: 52.485 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 95 Resp: 164814
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.8
 176 73.4 0.0 148.6





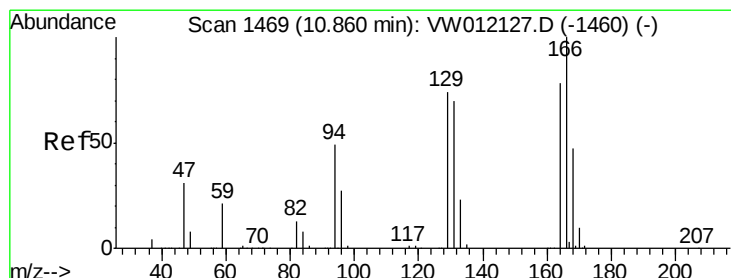
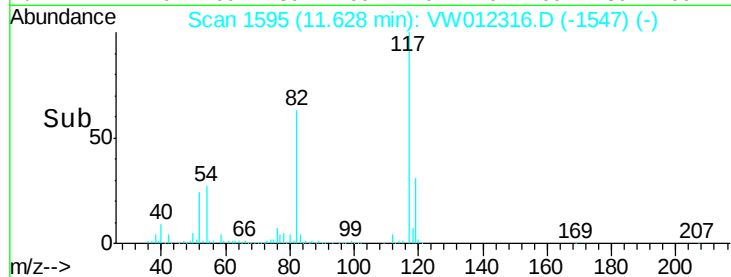
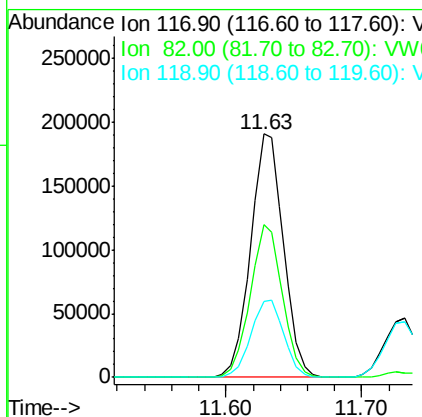
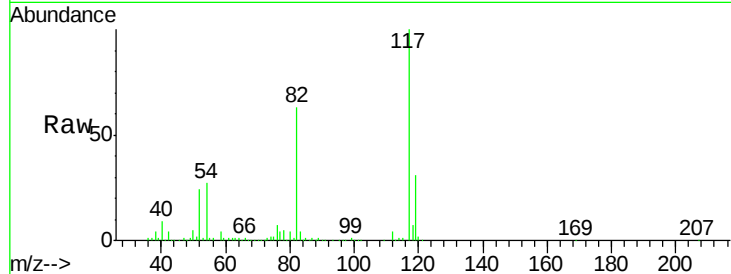
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	321269		
82	62.5		47.4	71.2
119	31.3		25.4	38.2

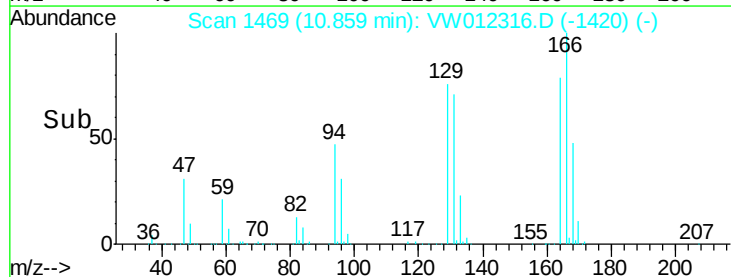
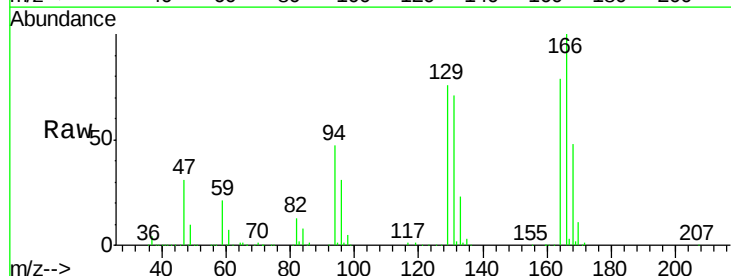
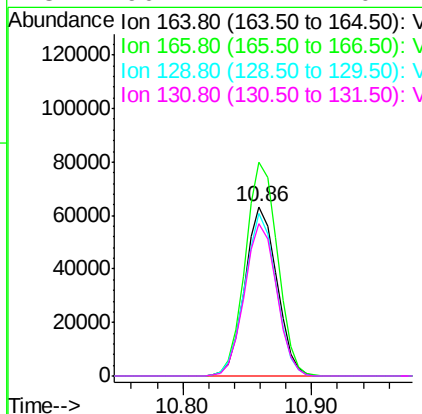
Manual Integrations
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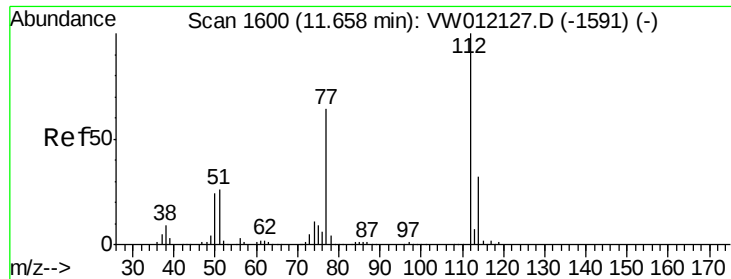
MMDadoda
8/30/2019 11:44:24 AM



#64
Tetrachloroethene
Concen: 51.798 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107889		
166	126.2		102.4	153.6
129	96.1		75.8	113.6
131	90.2		71.4	107.2





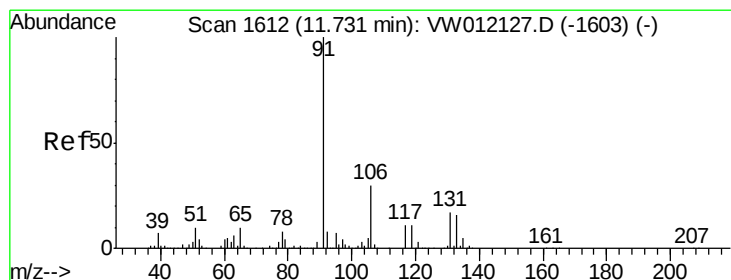
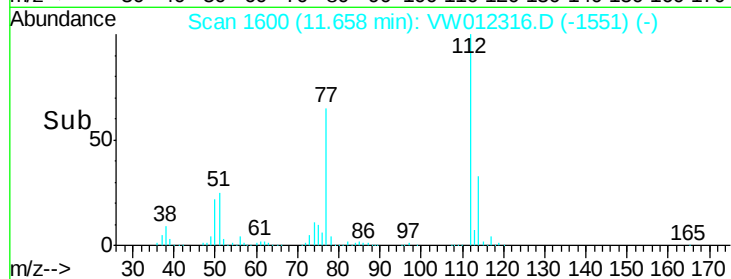
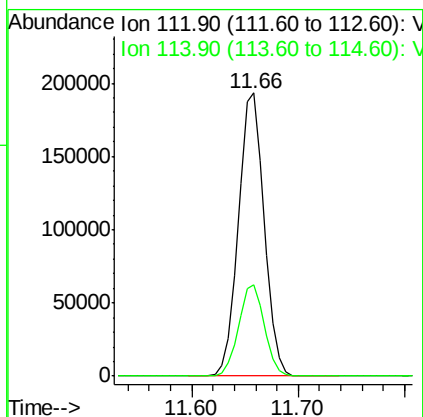
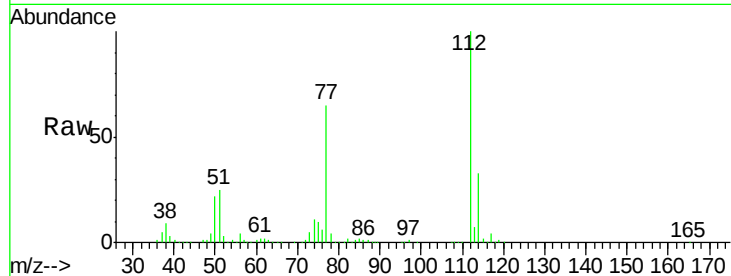
#65
Chlorobenzene
Concen: 51.891 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 328265
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

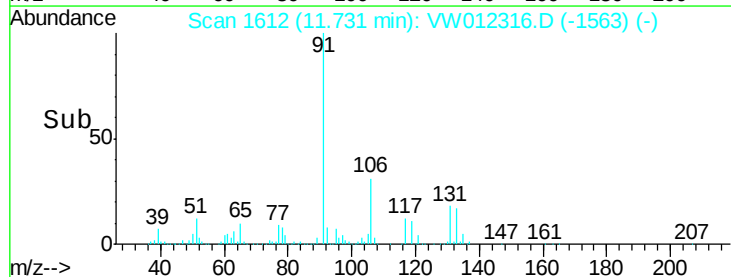
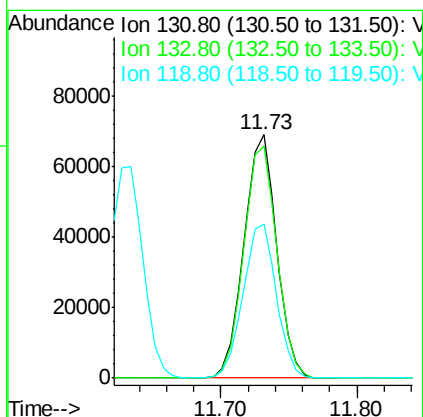
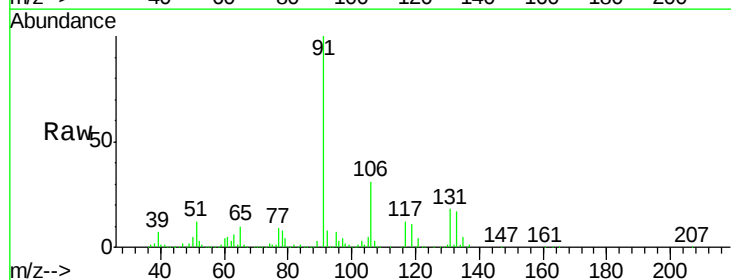
Manual Integrations
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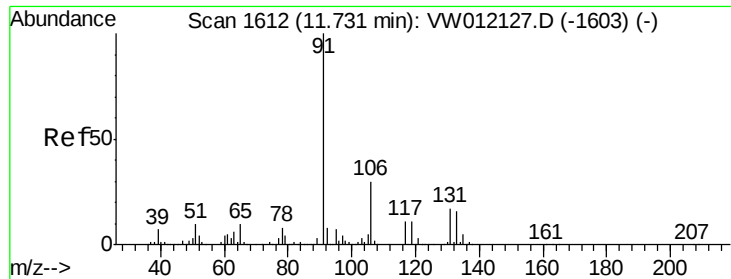
MMDadoda
8/30/2019 11:44:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.740 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:131 Resp: 116393
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.3
119 64.5 31.8 95.3





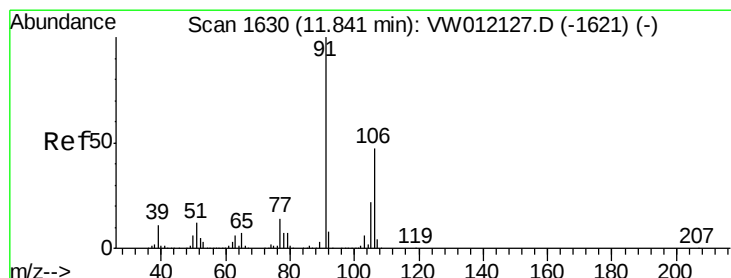
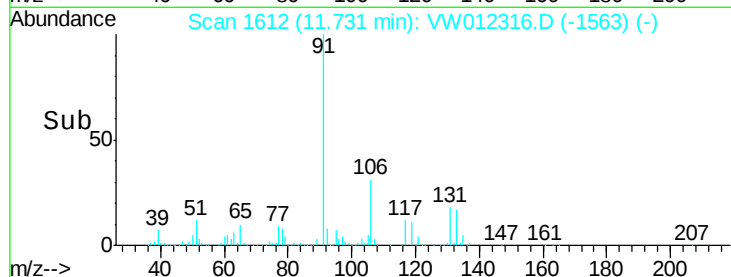
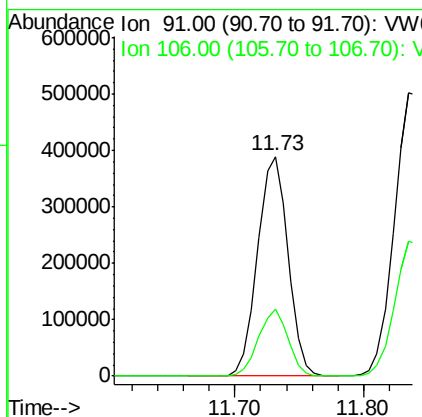
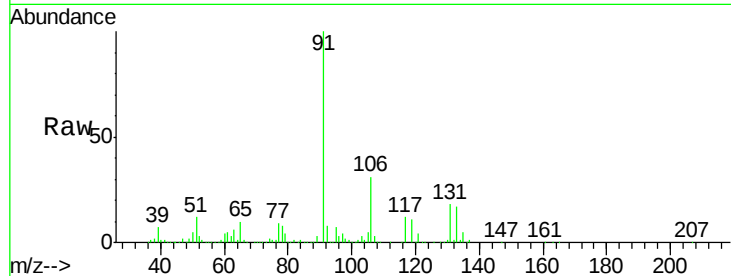
#67
Ethyl Benzene
Concen: 51.978 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 633409
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

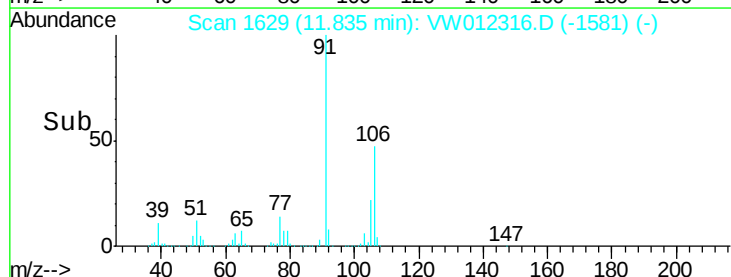
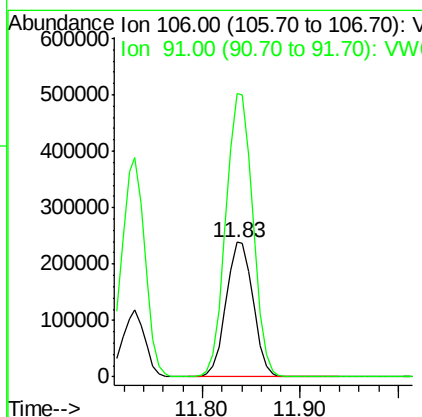
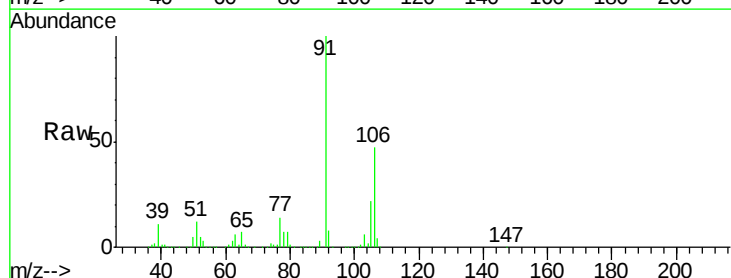
Manual Integrations
APPROVED

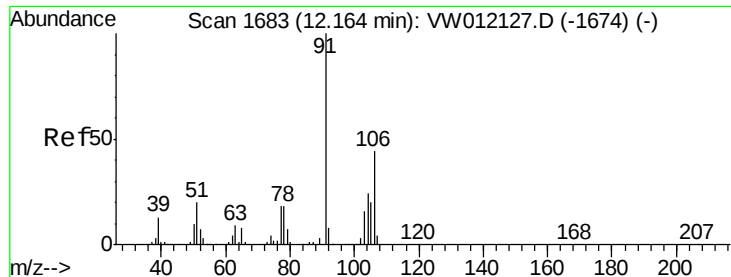
MMDadoda
8/30/2019 11:44:24 AM



#68
m/p-Xylenes
Concen: 103.870 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 106 Resp: 455944
Ion Ratio Lower Upper
106 100
91 210.4 169.5 254.3





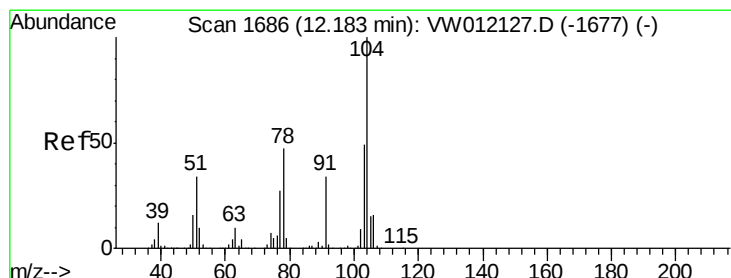
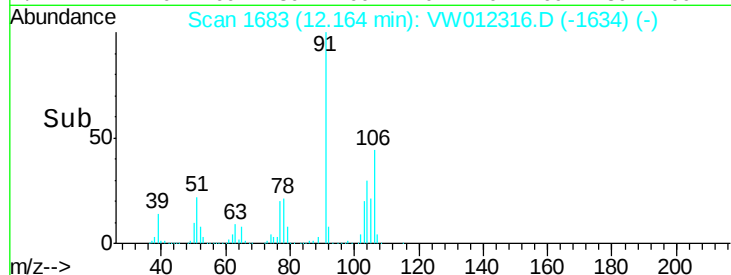
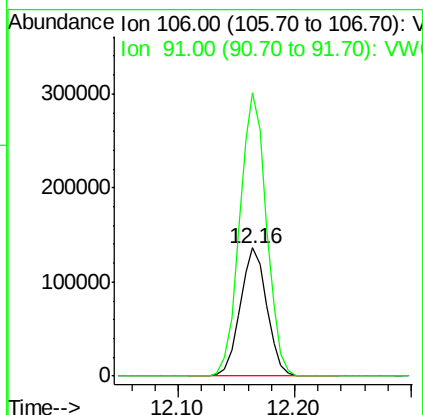
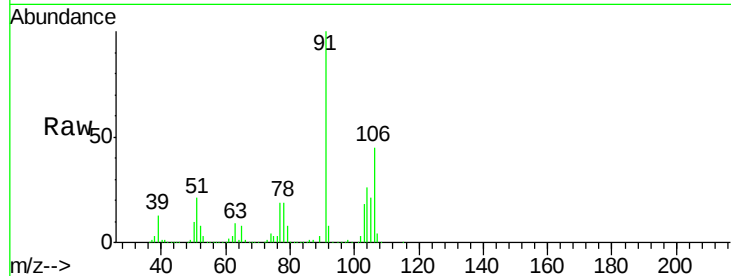
#69
o-Xylene
Concen: 53.428 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 217062
Ion Ratio Lower Upper
106 100
91 221.4 111.6 334.6

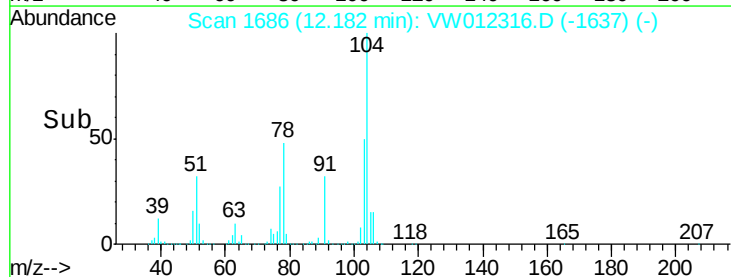
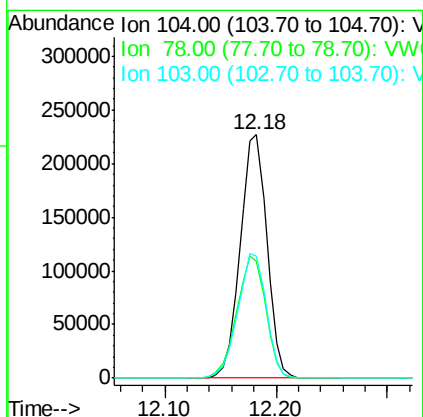
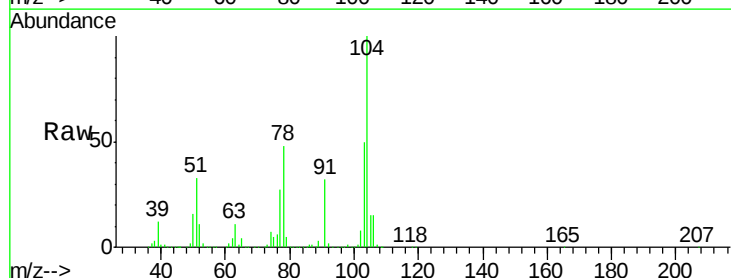
Manual Integrations
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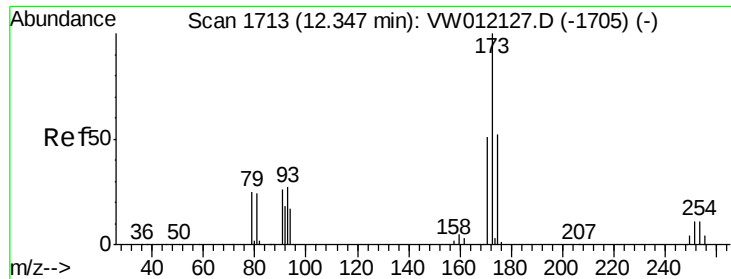
MMDadoda
8/30/2019 11:44:24 AM



#70
Styrene
Concen: 53.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:104 Resp: 376942
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 54.8 43.5 65.3





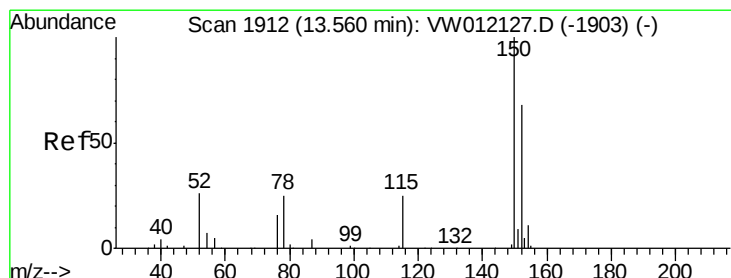
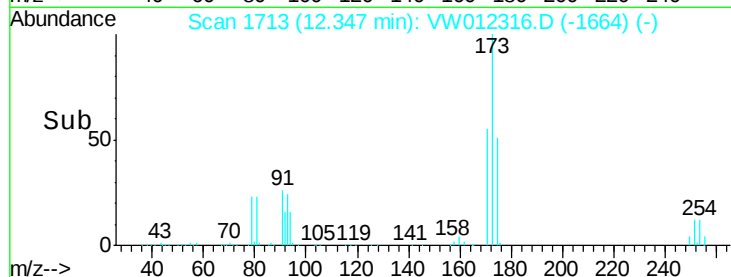
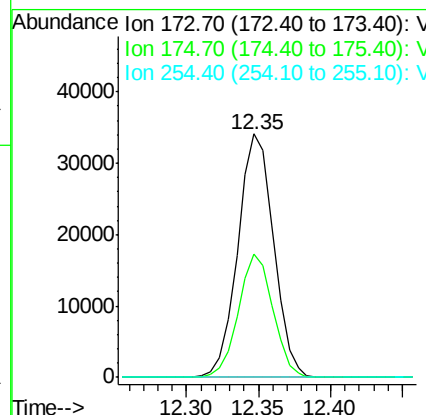
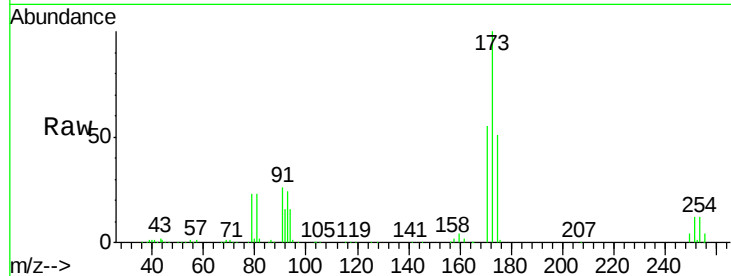
#71
Bromoform
Concen: 53.427 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.2	0.2	0.2

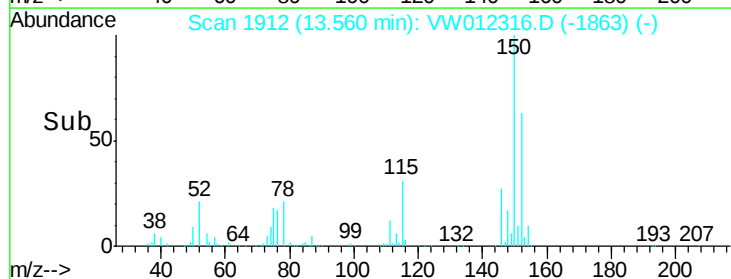
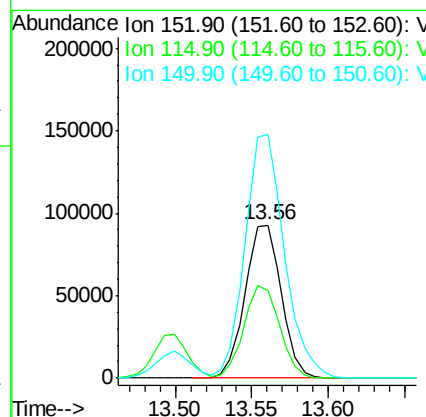
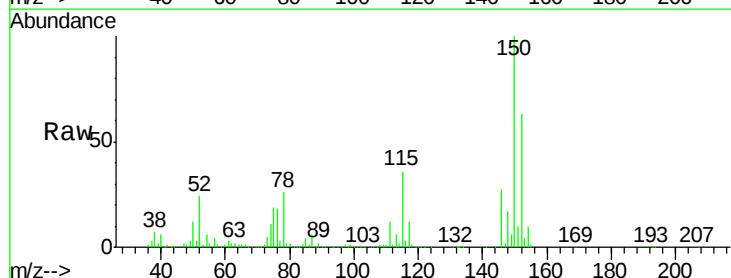
Manual Integrations
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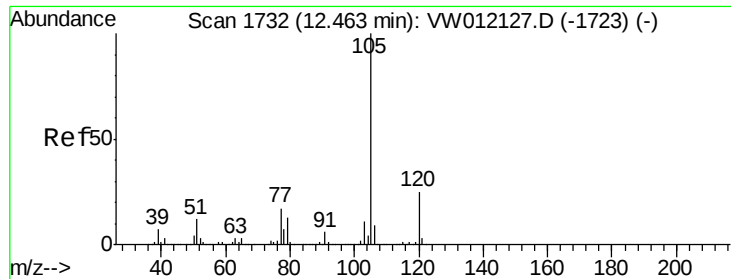
MMDadoda
8/30/2019 11:44:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.3
150	173.2	0.0	345.8





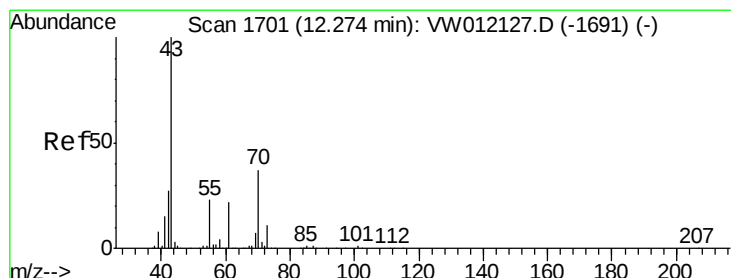
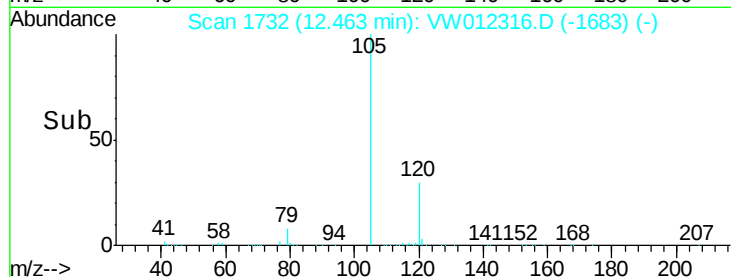
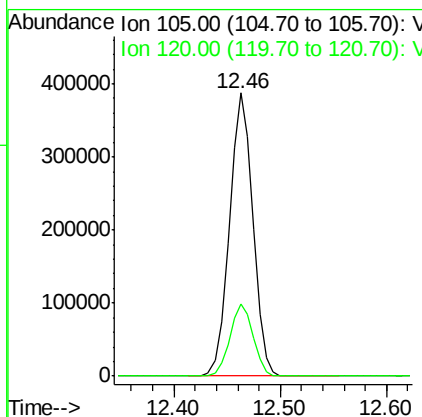
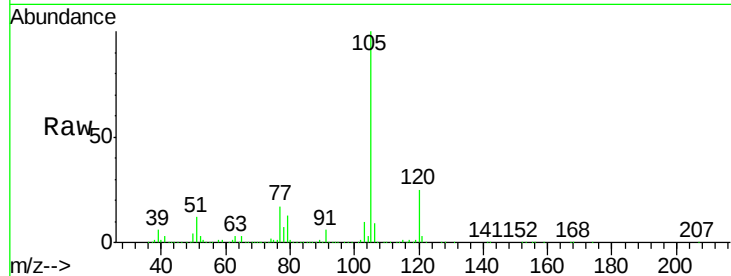
#73
Isopropylbenzene
Concen: 52.034 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

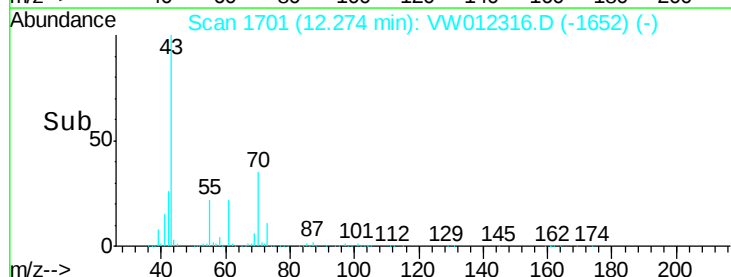
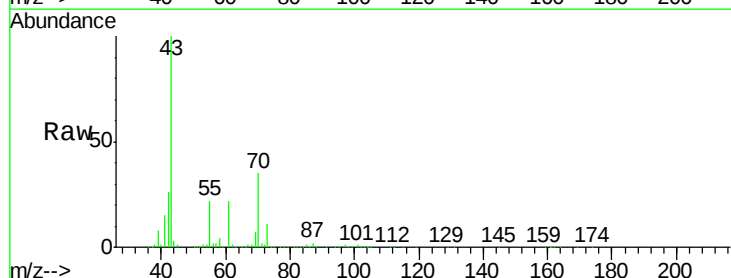
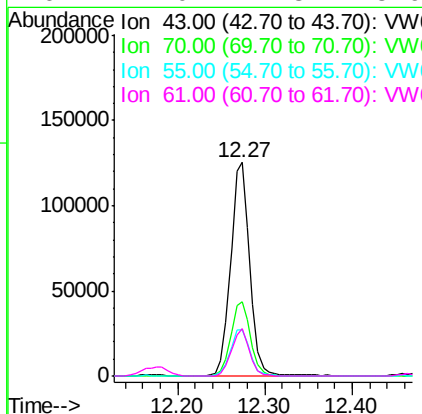
Manual Integrations
APPROVED

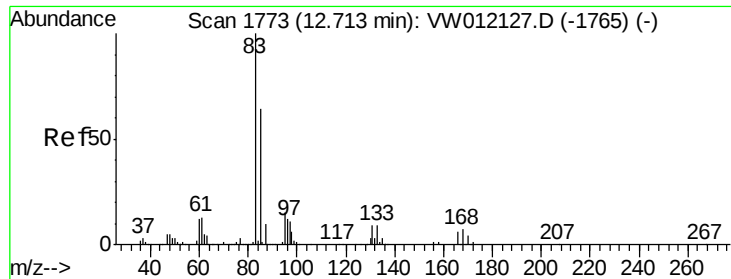
MMDadoda
8/30/2019 11:44:24 AM



#74
N-ethyl acetate
Concen: 55.031 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	28.6	43.0
55	22.2	17.8	26.6
61	21.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.793 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

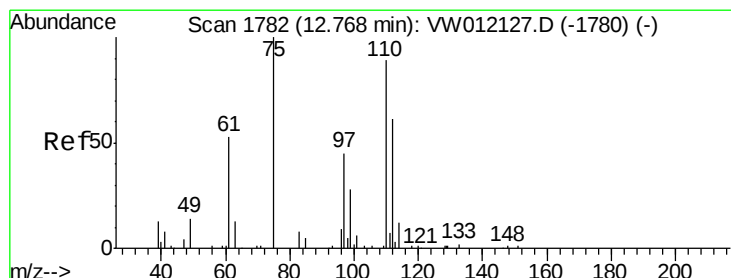
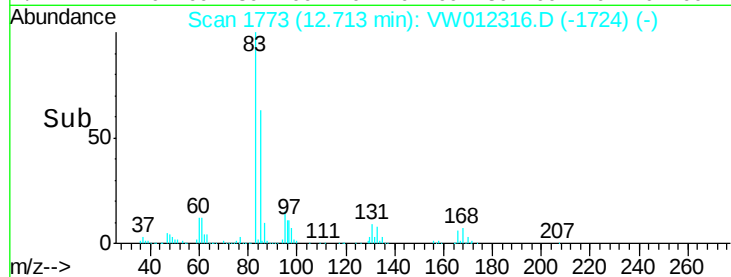
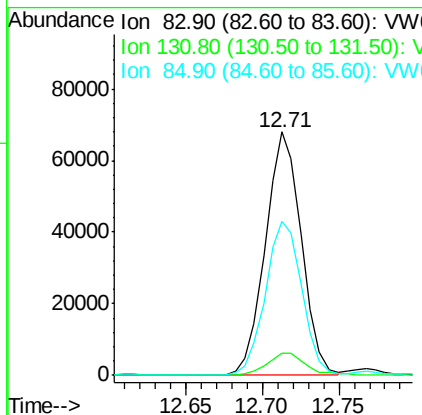
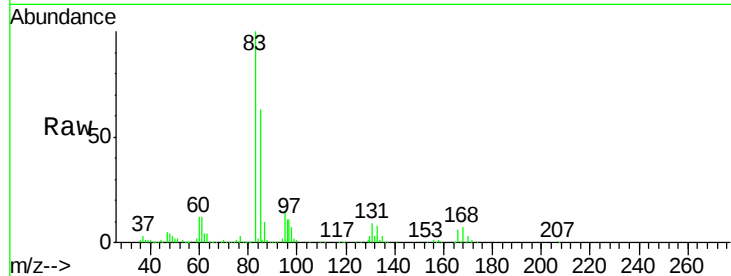
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	110665
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.223 ug/l m

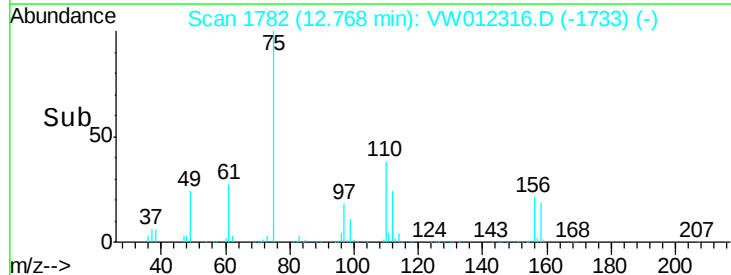
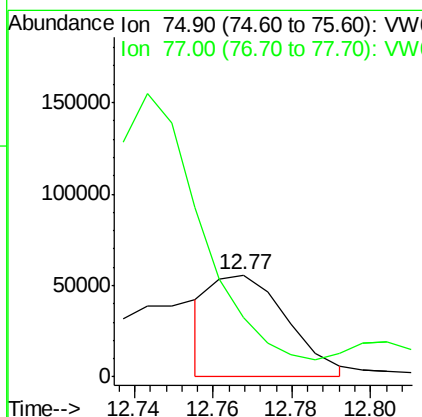
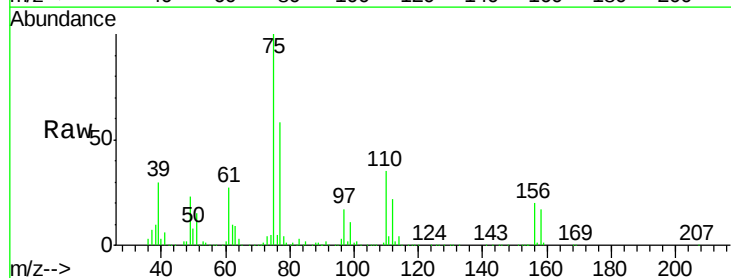
RT: 12.77 min Scan# 1782

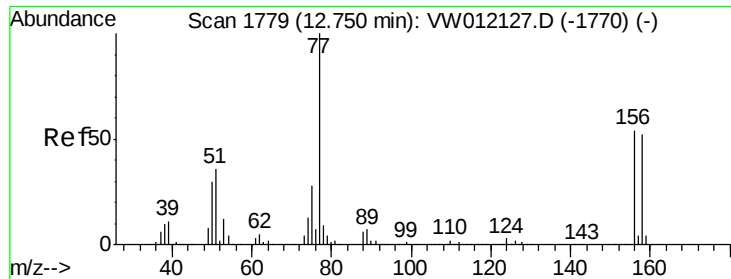
Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	75	Resp:	74639
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.068 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 133746

Ion Ratio Lower Upper

156 100

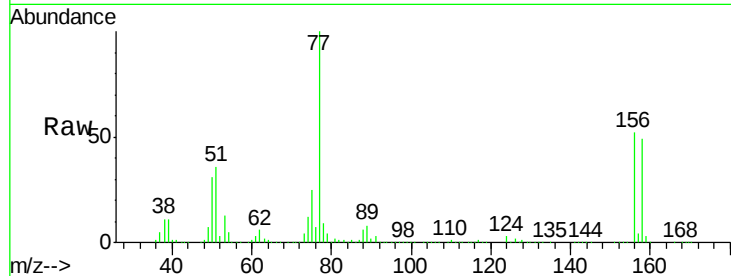
77 208.9 107.3 321.8

158 96.6 49.0 147.0

Manual Integrations
APPROVED

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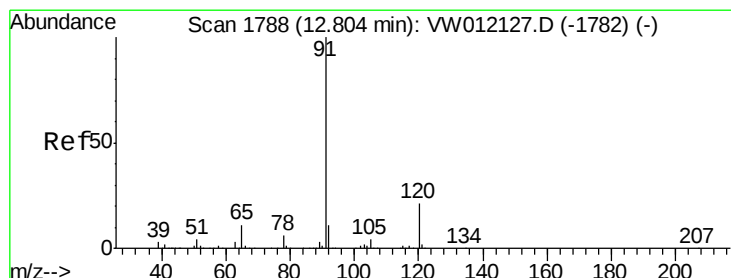
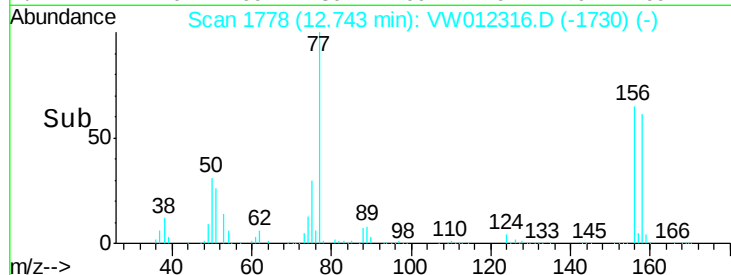
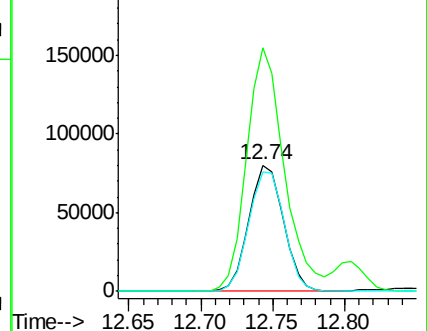
8/30/2019 11:44:24 AM



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: 51.137 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012316.D

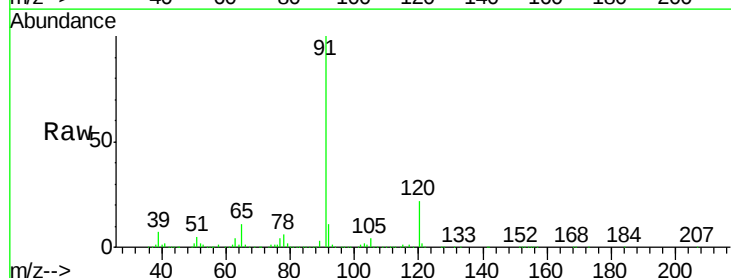
Acq: 29 Aug 2019 20:46

Tgt Ion: 91 Resp: 713810

Ion Ratio Lower Upper

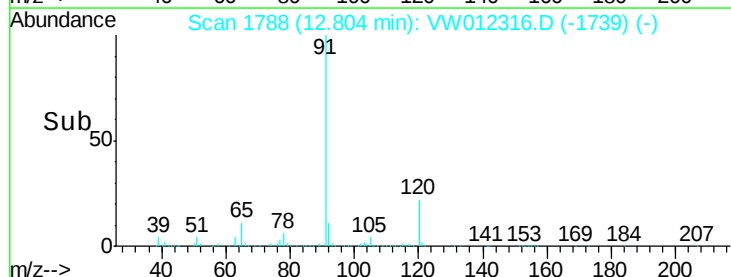
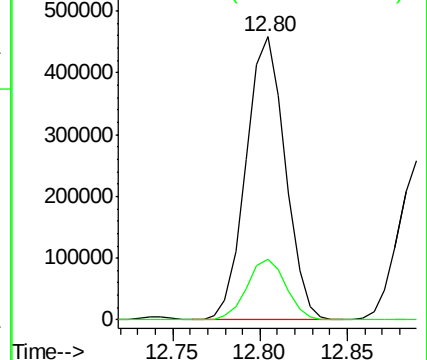
91 100

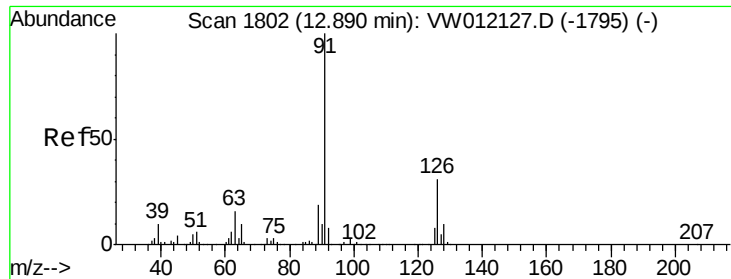
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





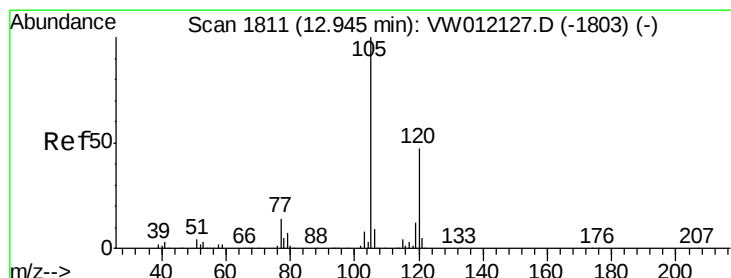
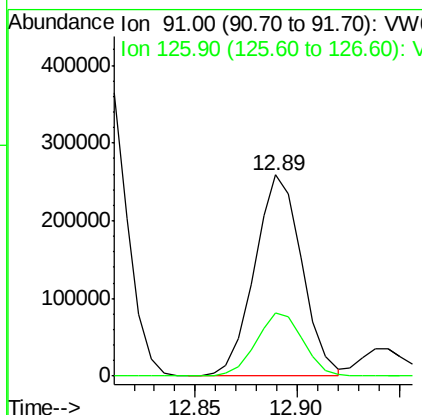
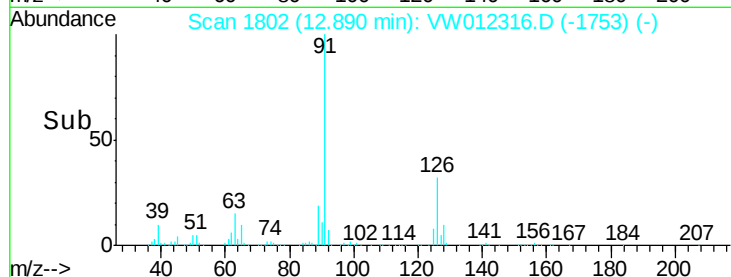
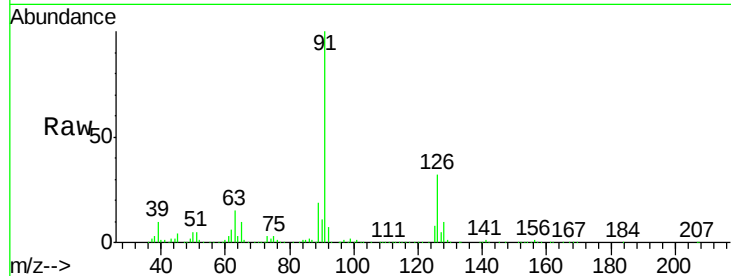
#79
 2-Chlorotoluene
 Concen: 52.408 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 415332
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.0

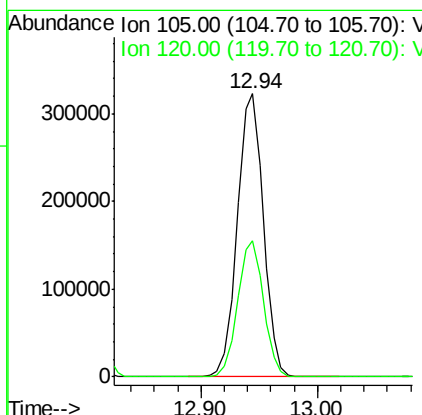
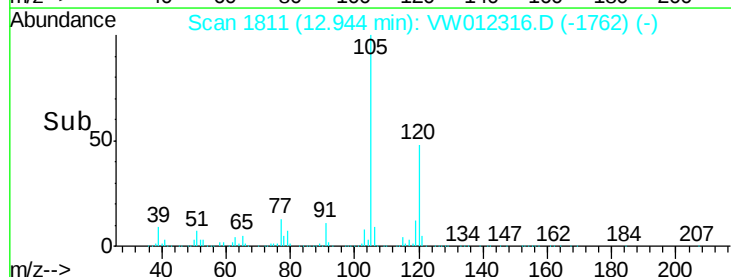
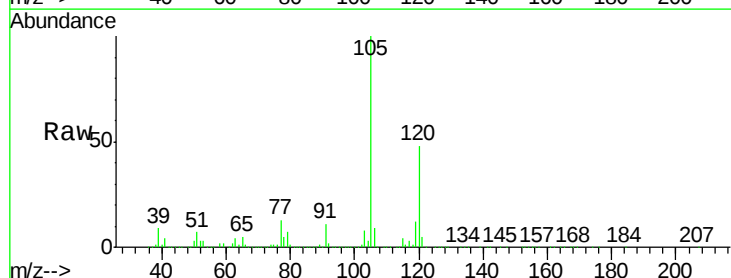
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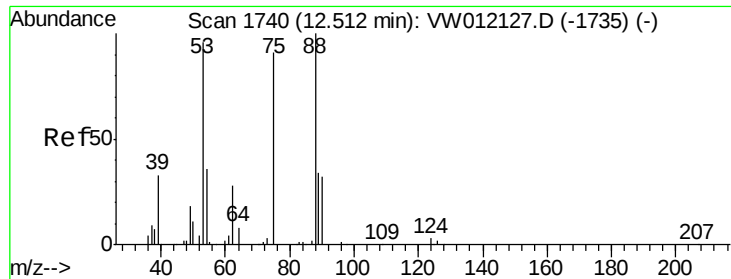
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.430 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 105 Resp: 500940
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.0 72.0





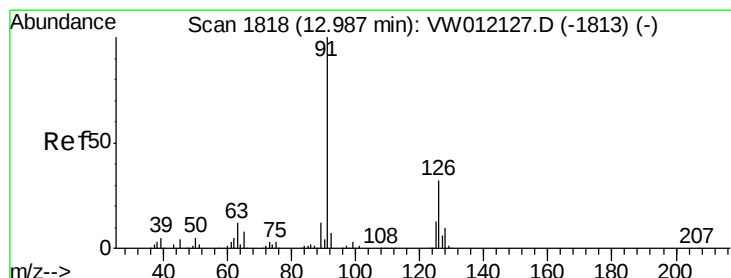
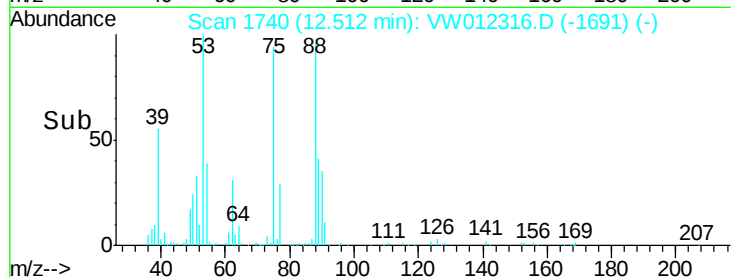
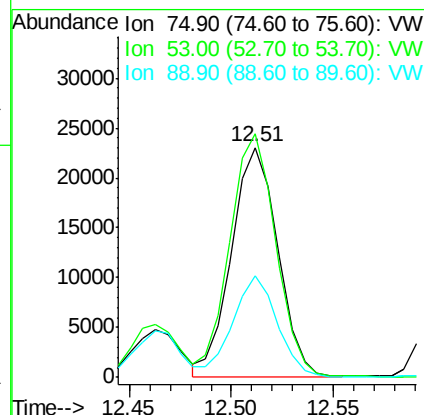
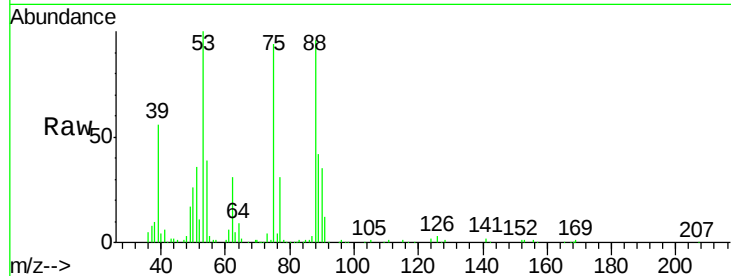
#81
trans-1,4-Dichloro-2-butene
Concen: 53.527 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	89.4	134.0
89	42.1	34.5	51.7

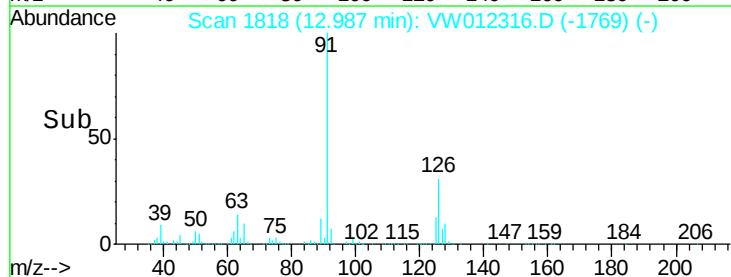
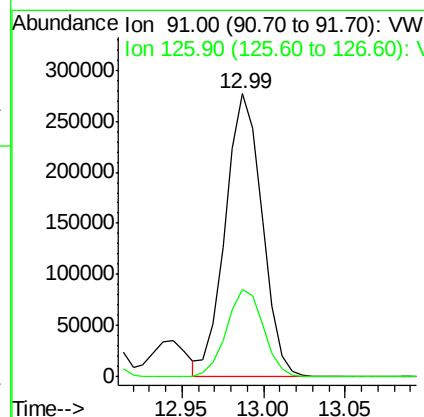
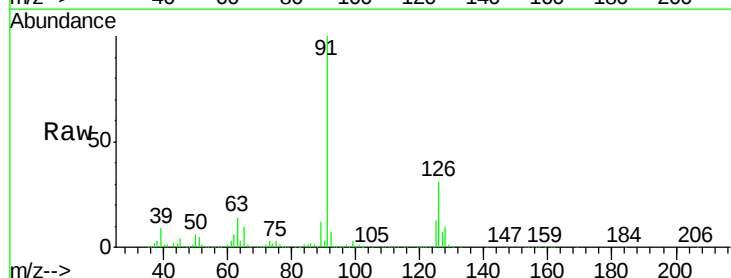
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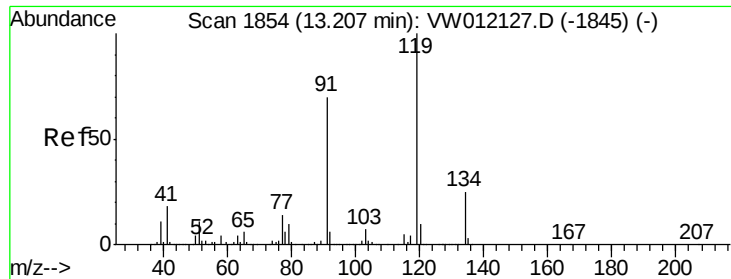
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#82
4-Chlorotoluene
Concen: 52.207 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





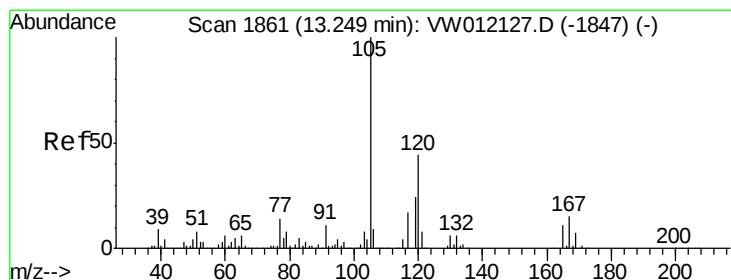
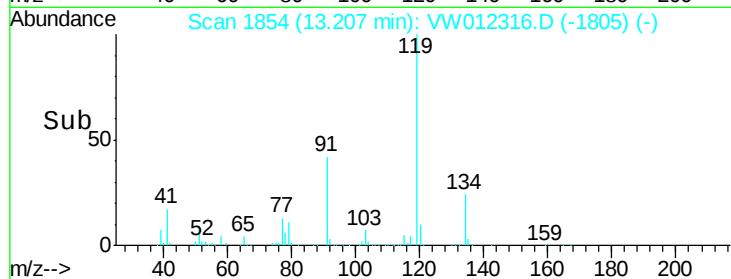
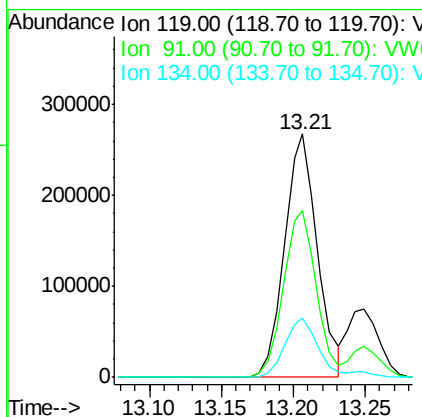
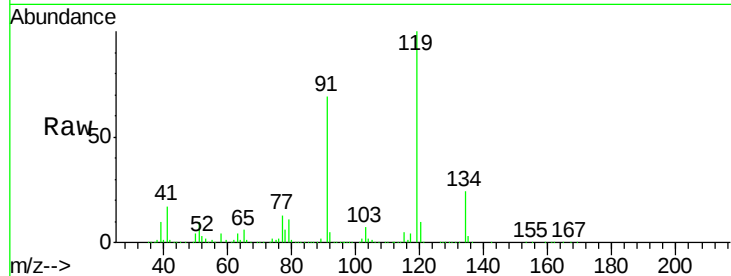
#83
 tert-Butylbenzene
 Concen: 52.614 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.8	104.3
134	26.2	13.3	39.8

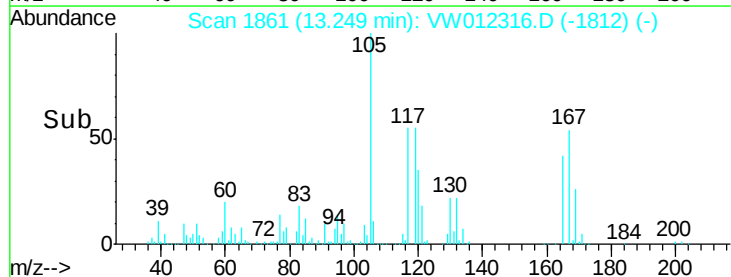
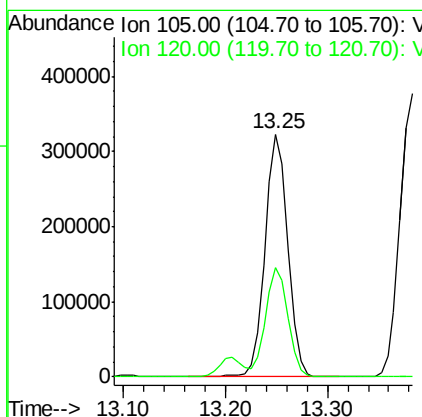
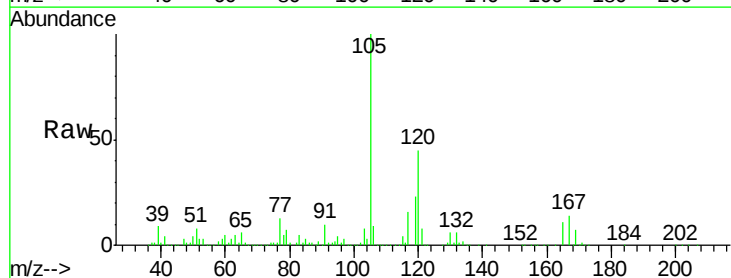
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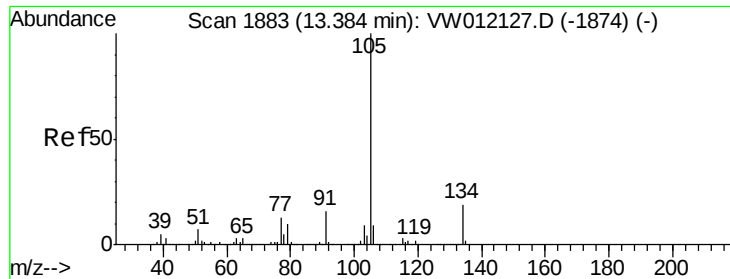
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.125 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.356 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 583883

Ion Ratio Lower Upper

105 100

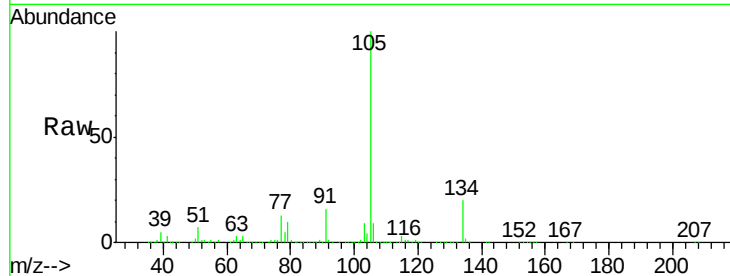
134 19.7 9.8 29.4

Manual Integrations

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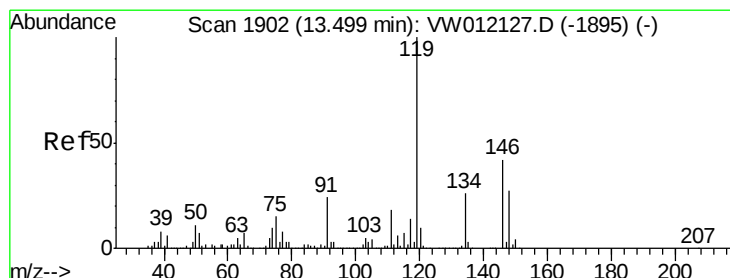
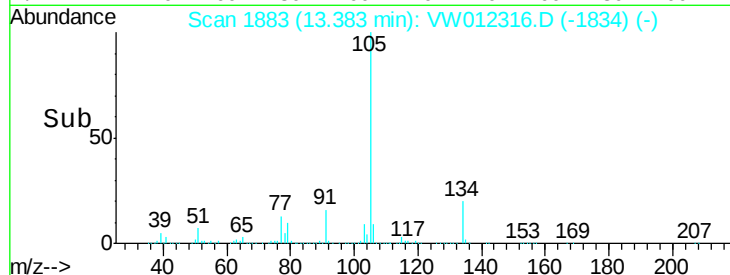
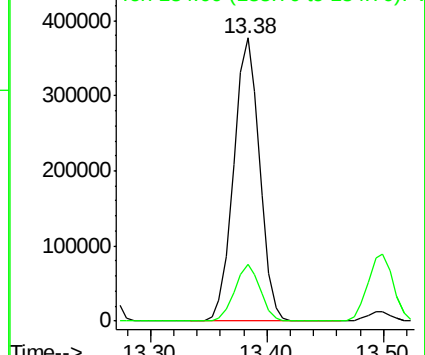
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.561 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

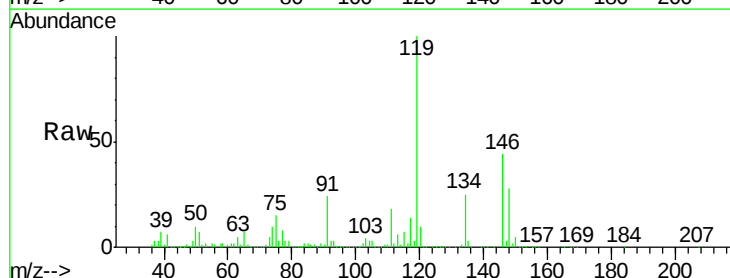
Tgt Ion:119 Resp: 533921

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

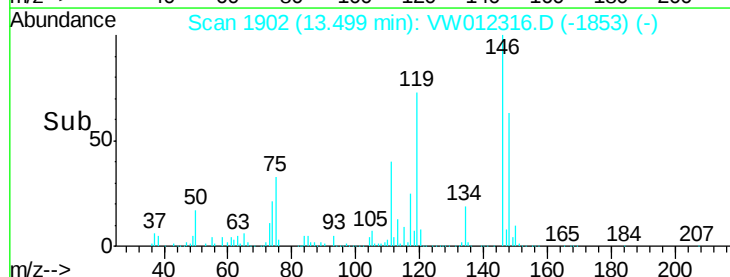
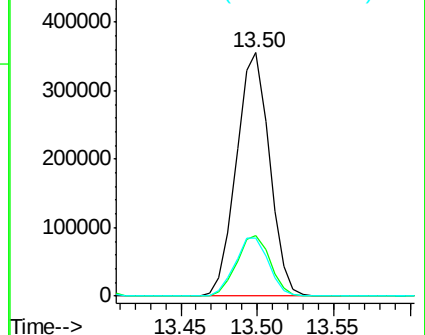
91 24.4 12.3 36.9

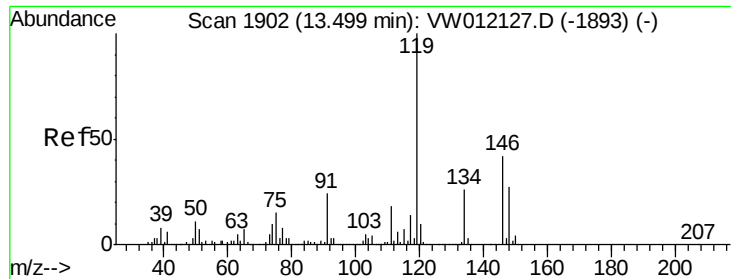


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





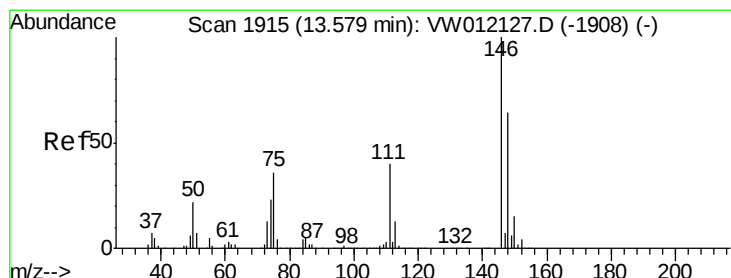
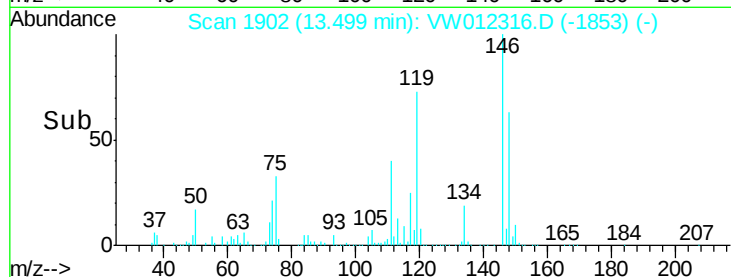
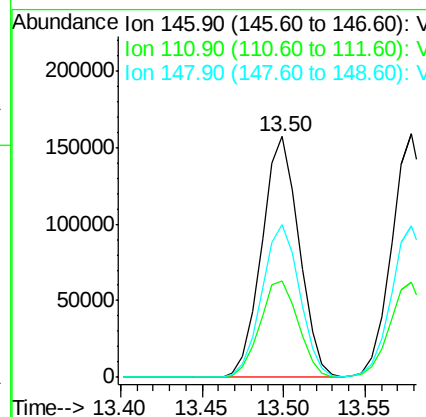
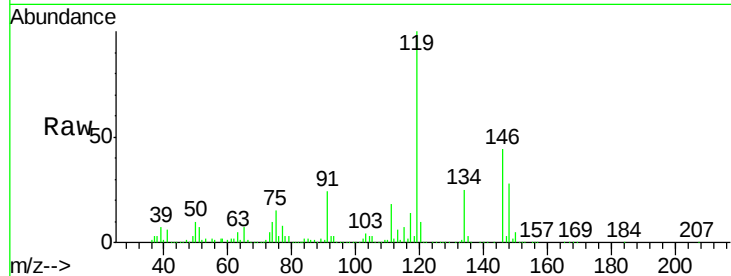
#87
 1,3-Dichlorobenzene
 Concen: 51.489 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249122		
111	41.3	20.9	62.7	
148	64.3	32.2	96.6	

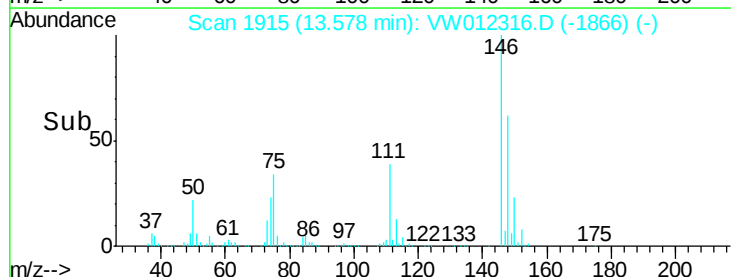
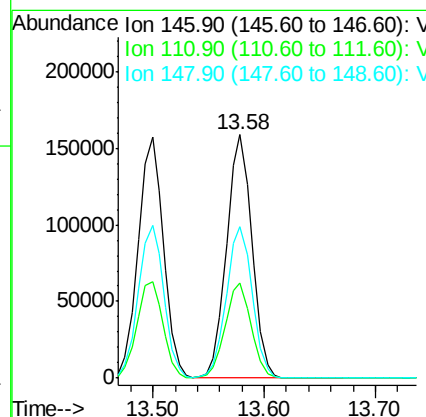
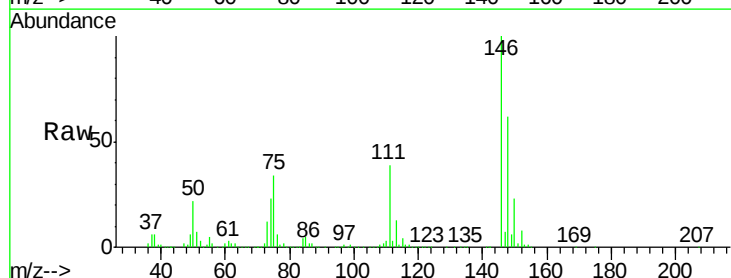
Manual Integrations
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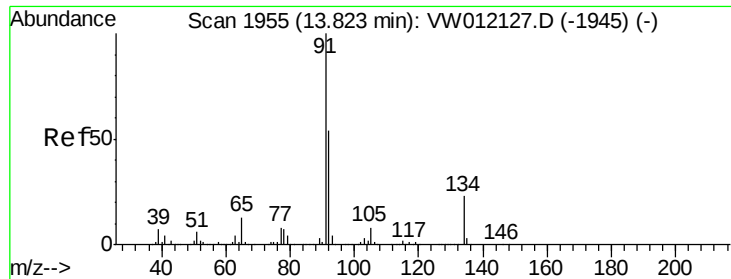
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#88
 1,4-Dichlorobenzene
 Concen: 52.135 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	250466		
111	39.6	20.0	60.0	
148	63.1	32.1	96.3	





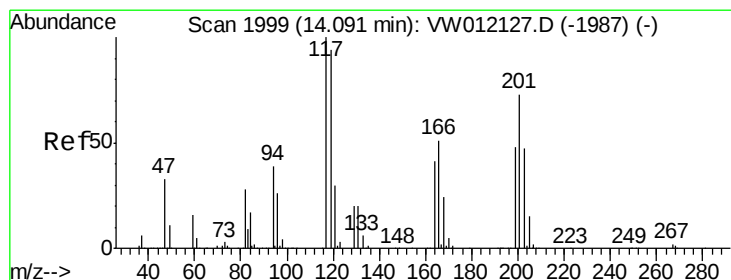
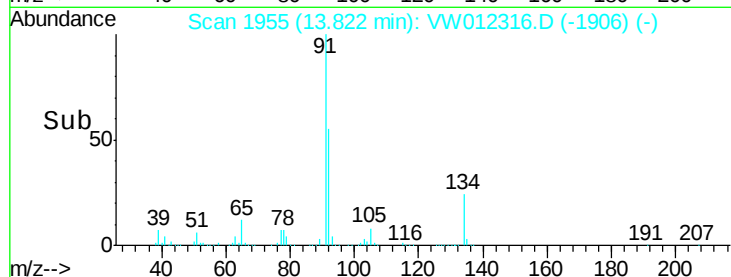
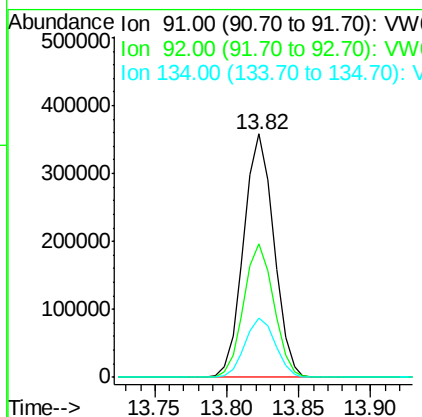
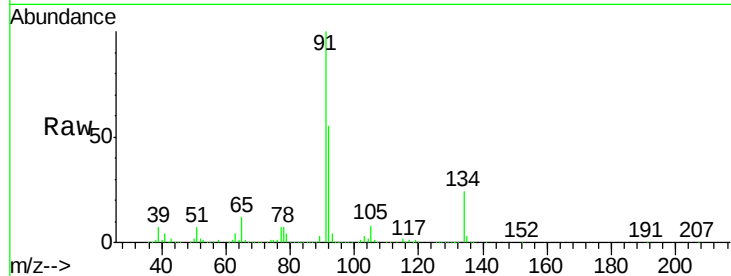
#89
n-Butylbenzene
Concen: 50.670 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.2
134	24.6	12.2	36.4

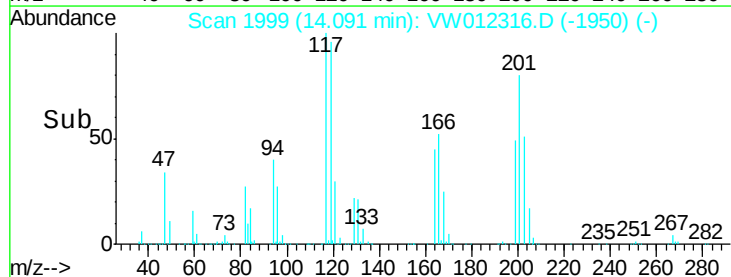
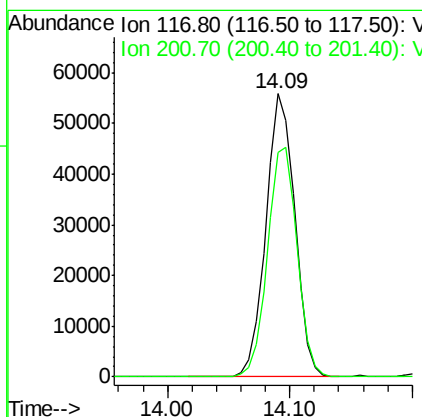
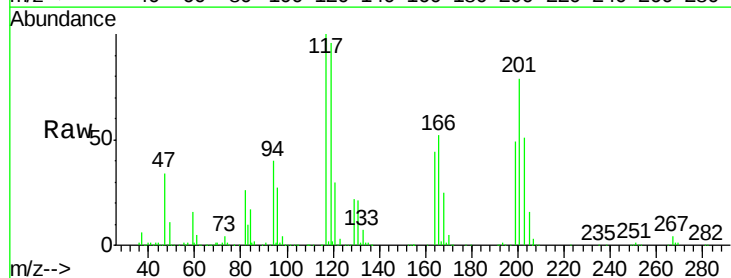
Manual Integrations
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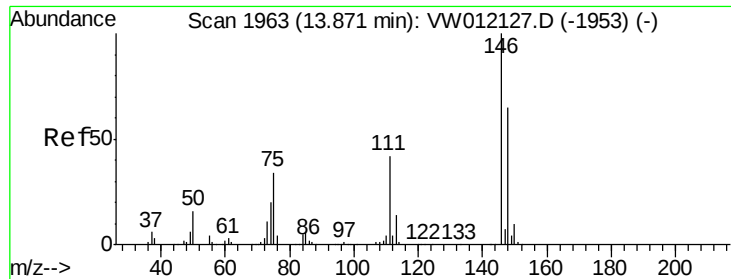
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#90
Hexachloroethane
Concen: 50.714 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	38.6	115.7





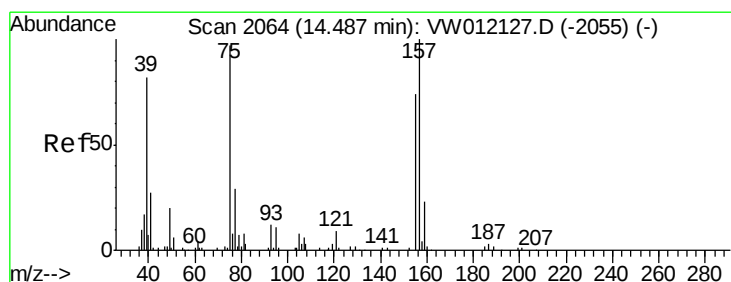
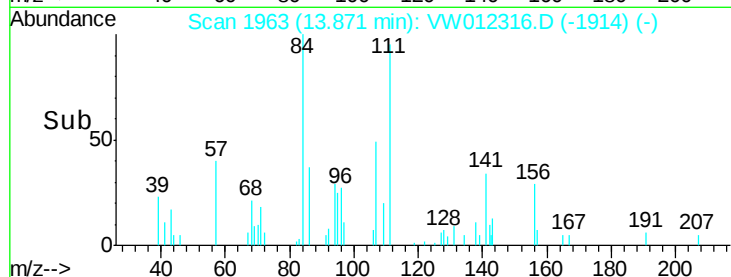
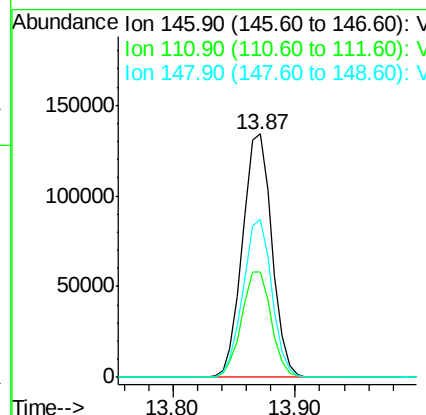
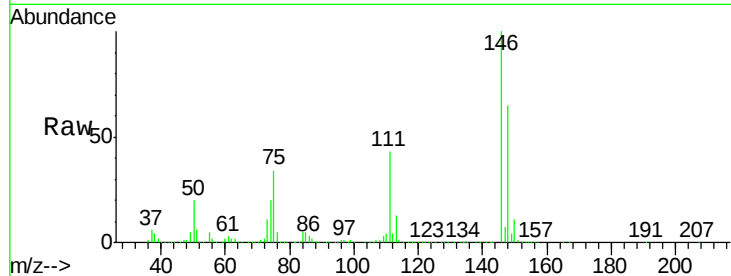
#91
 1,2-Dichlorobenzene
 Concen: 52.672 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.2	63.6
148	63.8	32.5	97.4

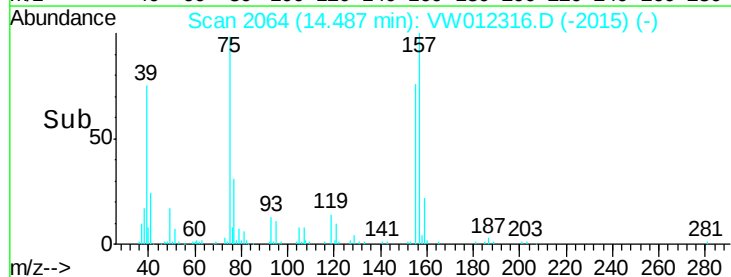
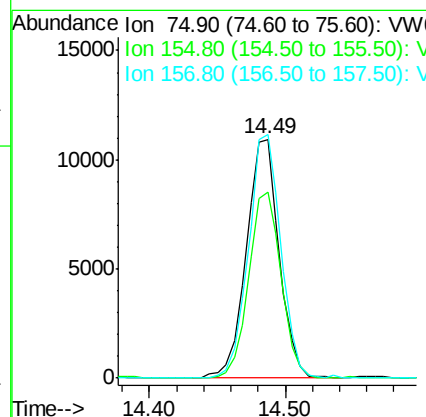
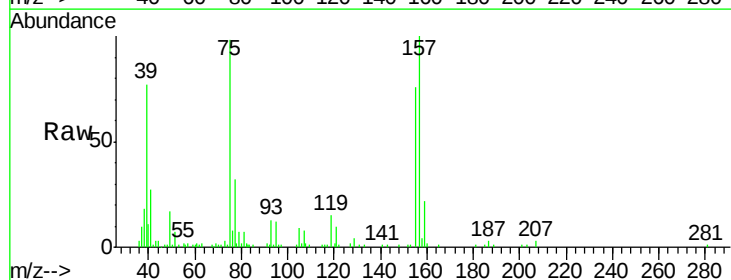
Manual Integrations
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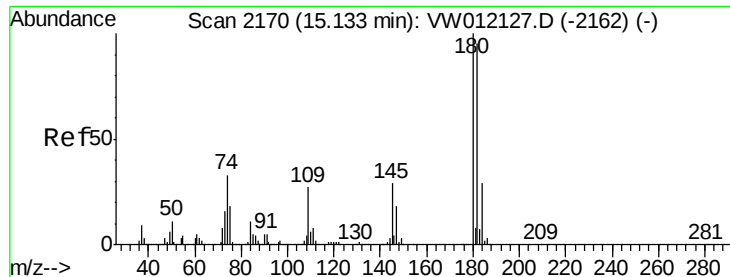
MMDadoda
 8/30/2019 11:44:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.079 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	37.5	112.3
157	100.8	50.5	151.5





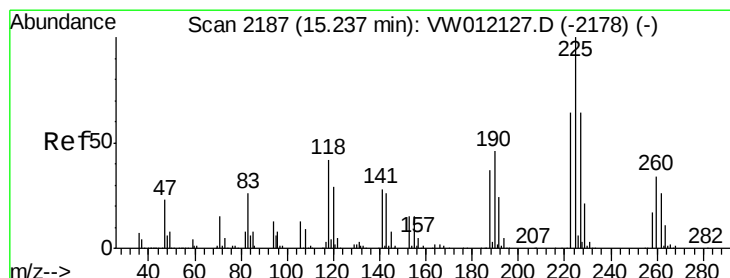
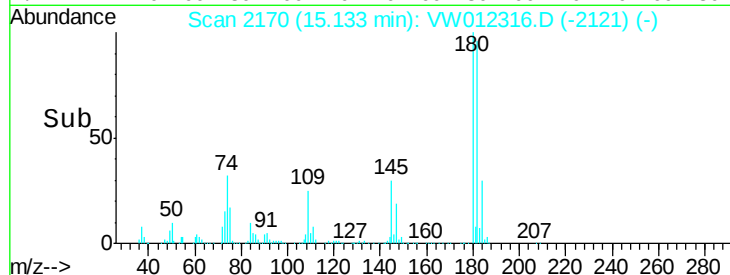
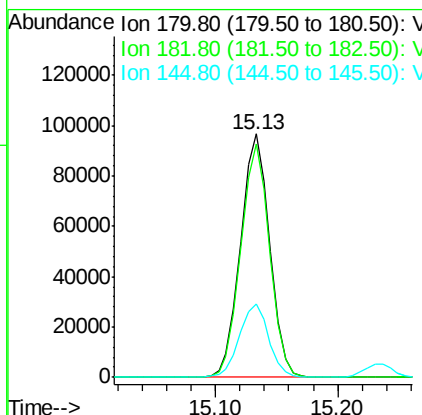
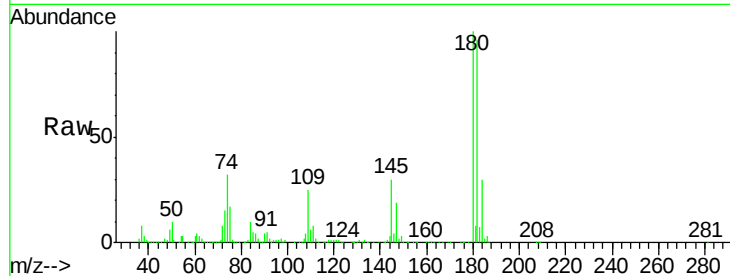
#93
 1,2,4-Trichlorobenzene
 Concen: 54.245 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159112		
182	95.1	47.8	143.4	
145	30.3	15.0	45.1	

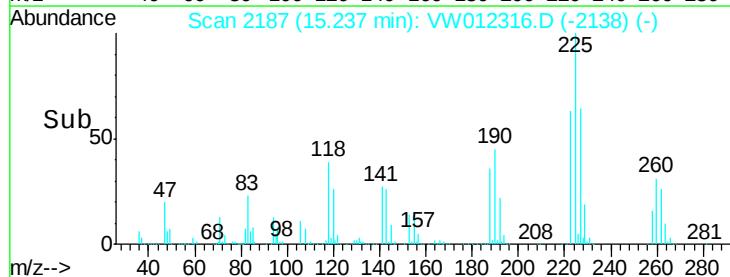
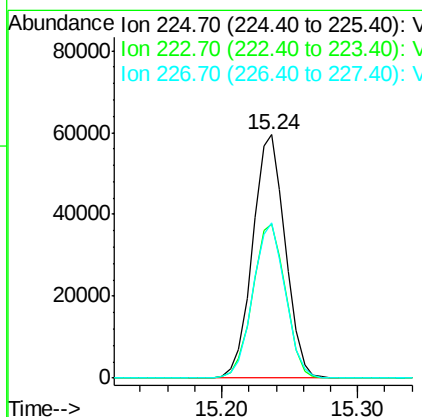
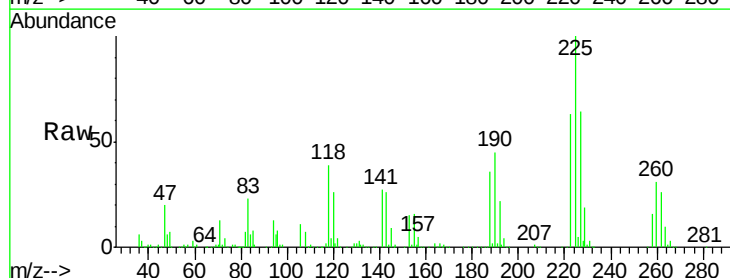
Manual Integrations
 APPROVED

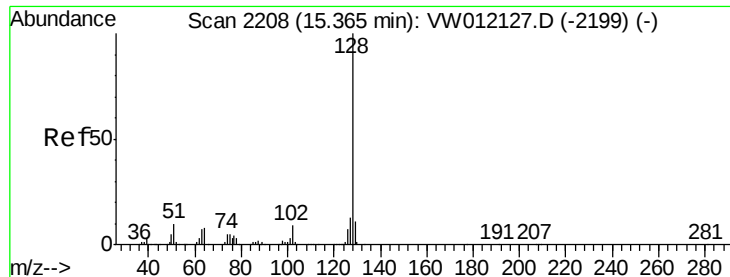
MMDadoda
 8/30/2019 11:44:24 AM



#94
 Hexachlorobutadiene
 Concen: 51.554 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99850		
223	63.7	32.3	96.8	
227	63.1	32.9	98.6	





#95

Naphthalene

Concen: 53.129 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

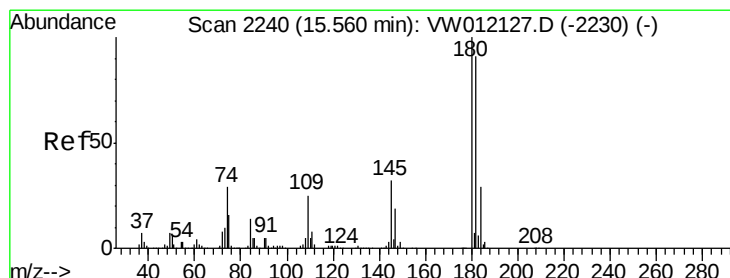
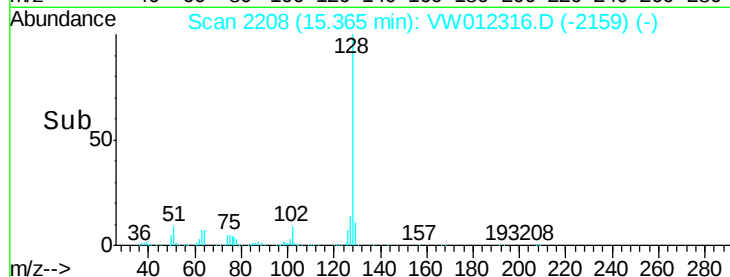
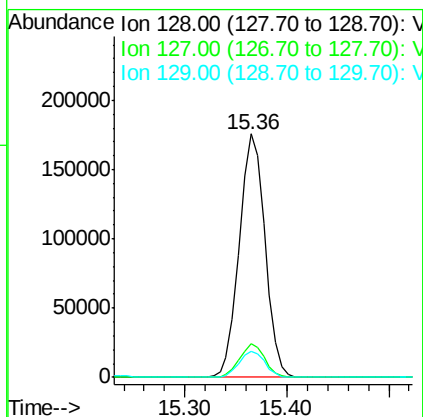
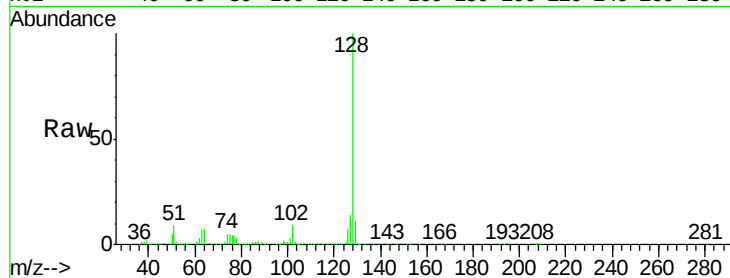
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	307501
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 55.167 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion:	180	Resp:	141181
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.1	141.3
145	32.6	16.2	48.5

