

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012512.D
 Acq On : 02 Sep 2019 21:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:55:48 AM

Quant Time: Sep 03 07:53:53 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	188125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	127001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113442	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	93329	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.32	98	368548	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	131736	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52763	45.550	ug/l	98
3) Chloromethane	2.21	50	82729	46.098	ug/l	99
4) Vinyl Chloride	2.36	62	95212	43.346	ug/l	99
5) Bromomethane	2.78	94	50309	45.224	ug/l	100
6) Chloroethane	2.92	64	56092	45.268	ug/l	100
7) Trichlorofluoromethane	3.26	101	50941	46.186	ug/l	99
8) Diethyl Ether	3.68	74	53482	51.085	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	88634	47.277	ug/l	97
10) Methyl Iodide	4.27	142	129007	50.857	ug/l	98
11) Tert butyl alcohol	5.20	59	39217	291.398	ug/l	99
12) 1,1-Dichloroethene	4.04	96	90331	47.871	ug/l	98
13) Acrolein	3.90	56	7241	57.158	ug/l	98
14) Allyl chloride	4.66	41	194990	48.336	ug/l	98
15) Acrylonitrile	5.37	53	135882	261.859	ug/l	99
16) Acetone	4.13	43	121879	213.203	ug/l	99
17) Carbon Disulfide	4.39	76	254466	44.621	ug/l	100
18) Methyl Acetate	4.67	43	84453	59.646	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	170892	56.002	ug/l	98
20) Methylene Chloride	4.92	84	102474	47.418	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	97694	48.280	ug/l	96
22) Diisopropyl ether	6.31	45	378828	50.662	ug/l	97
23) Vinyl Acetate	6.25	43	1145062	248.829	ug/l	99
24) 1,1-Dichloroethane	6.21	63	200747	49.307	ug/l	99
25) 2-Butanone	7.17	43	187604	241.504	ug/l	96
26) 2,2-Dichloropropane	7.16	77	107223	46.528	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	108891	50.367	ug/l	99
28) Bromochloromethane	7.51	49	86000	48.464	ug/l #	93
29) Tetrahydrofuran	7.53	42	124390	266.899	ug/l	98
30) Chloroform	7.67	83	186311	50.018	ug/l	98
31) Cyclohexane	7.95	56	175104	43.470	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	150856	51.195	ug/l	98
36) 1,1-Dichloropropene	8.08	75	150486	48.480	ug/l	100
37) Ethyl Acetate	7.25	43	87416	51.391	ug/l	99
38) Carbon Tetrachloride	8.07	117	131557	48.967	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	163400	46.857	ug/l	97
40) Benzene	8.32	78	416951	49.192	ug/l	99
41) Methacrylonitrile	7.48	41	53750	53.764	ug/l	99
42) 1,2-Dichloroethane	8.40	62	135908	51.162	ug/l	100
43) Isopropyl Acetate	8.42	43	164540	52.222	ug/l	99
44) Trichloroethene	9.09	130	103707	50.332	ug/l	98
45) 1,2-Dichloropropane	9.37	63	112740	49.423	ug/l	99
46) Dibromomethane	9.46	93	52522	51.749	ug/l	97
47) Bromodichloromethane	9.64	83	138904	51.423	ug/l	96
48) Methyl methacrylate	9.43	41	81083	54.070	ug/l	96
49) 1,4-Dioxane	9.46	88	17919	1153.270	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	424806	265.077	ug/l	100
52) Toluene	10.38	92	256344	50.344	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	143791	52.259	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	170599	51.350	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	75162	52.341	ug/l	99
56) Ethyl methacrylate	10.65	69	113830	54.465	ug/l	99
57) 1,3-Dichloropropane	10.93	76	142667	52.573	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	303925	283.347	ug/l	100
59) 2-Hexanone	10.97	43	287040	253.138	ug/l	99
60) Dibromochloromethane	11.13	129	86110	53.837	ug/l	98
61) 1,2-Dibromoethane	11.23	107	71905	53.748	ug/l	100
64) Tetrachloroethene	10.86	164	88362	52.181	ug/l	99
65) Chlorobenzene	11.66	112	258854	50.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94456	52.645	ug/l	99
67) Ethyl Benzene	11.73	91	495878	50.052	ug/l	98
68) m/p-Xylenes	11.84	106	359920	100.855	ug/l	99
69) o-Xylene	12.16	106	170462	51.609	ug/l	100
70) Styrene	12.18	104	297852	52.099	ug/l	100
71) Bromoform	12.35	173	50444	56.430	ug/l #	99
73) Isopropylbenzene	12.46	105	474231	49.833	ug/l	99
74) N-amyl acetate	12.27	43	149473	51.988	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	89554	51.331	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59440m	48.056	ug/l	
77) Bromobenzene	12.74	156	105605	51.295	ug/l	97
78) n-propylbenzene	12.80	91	567357	48.836	ug/l	99
79) 2-Chlorotoluene	12.89	91	326907	49.563	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	401674	50.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29033	51.464	ug/l	98
82) 4-Chlorotoluene	12.99	91	339442	49.150	ug/l	100
83) tert-Butylbenzene	13.21	119	349745	51.923	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	398945	49.944	ug/l	100
85) sec-Butylbenzene	13.38	105	478377	49.571	ug/l	99
86) p-Isopropyltoluene	13.50	119	432917	50.232	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	199977	49.661	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	200451	50.133	ug/l	100
89) n-Butylbenzene	13.82	91	411391	48.001	ug/l	99
90) Hexachloroethane	14.09	117	75090	49.661	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	180253	51.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15303	52.030	ug/l	97

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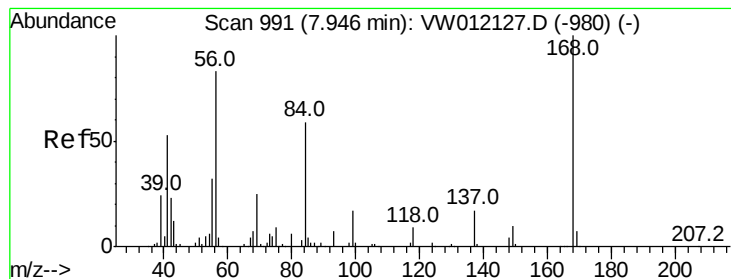
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	128217	52.521	ug/l	99
94) Hexachlorobutadiene	15.24	225	82439	51.142	ug/l	97
95) Naphthalene	15.36	128	245920	51.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	113939	53.494	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 188125

Ion Ratio Lower Upper

168 100

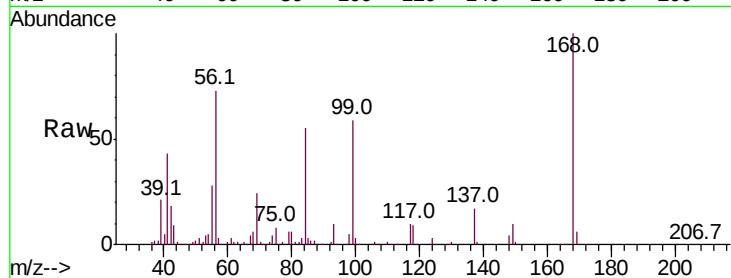
99 59.1 49.2 73.8

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

80000

60000

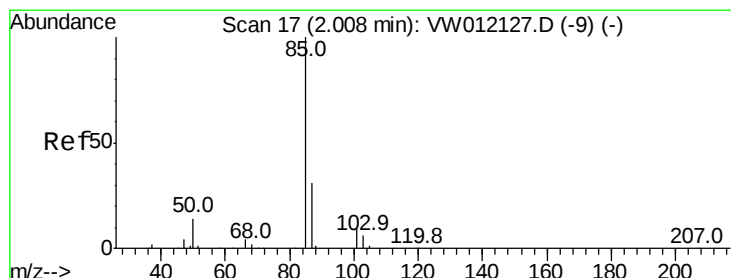
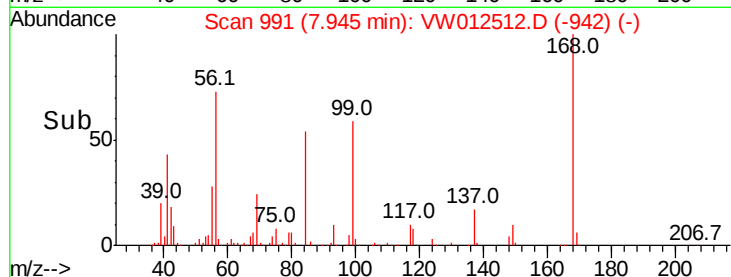
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.550 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012512.D

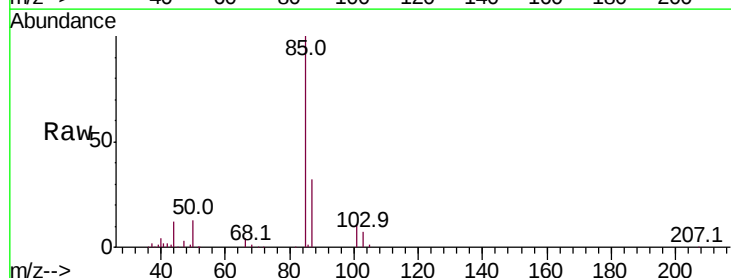
Acq: 02 Sep 2019 21:42

Tgt Ion: 85 Resp: 52763

Ion Ratio Lower Upper

85 100

87 32.1 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

20000

15000

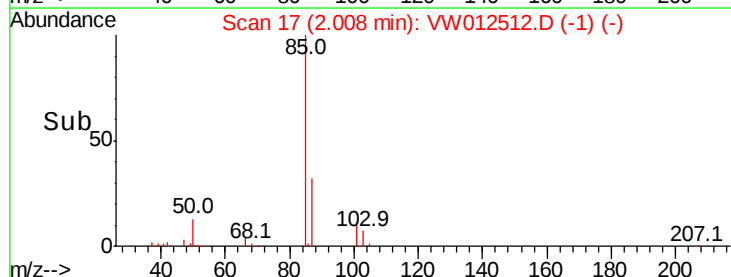
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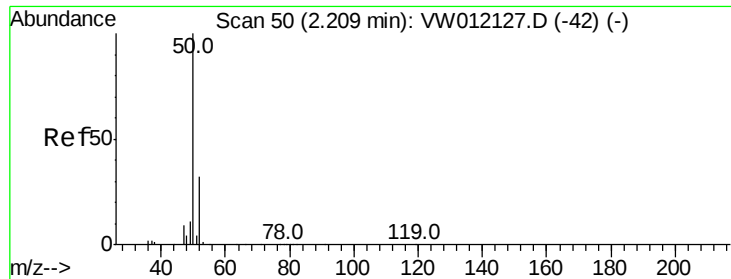
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.098 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 82729

Ion Ratio Lower Upper

50 100

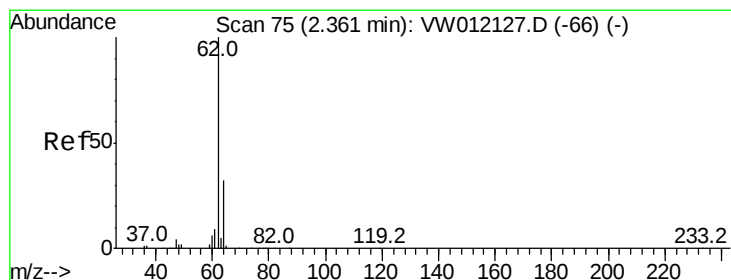
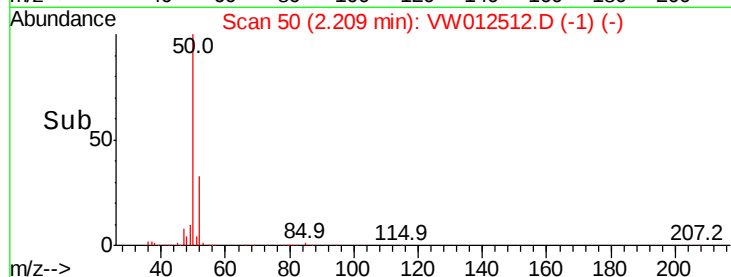
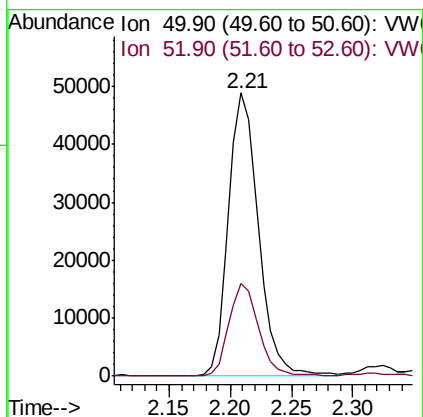
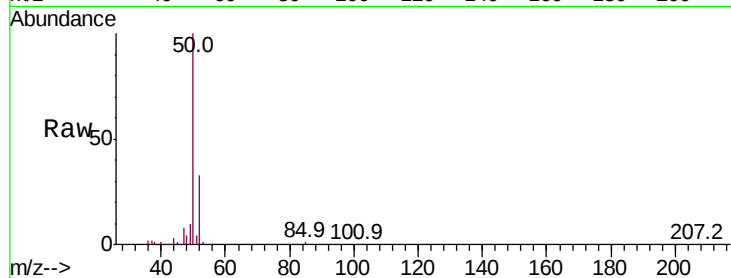
52 32.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.346 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012512.D

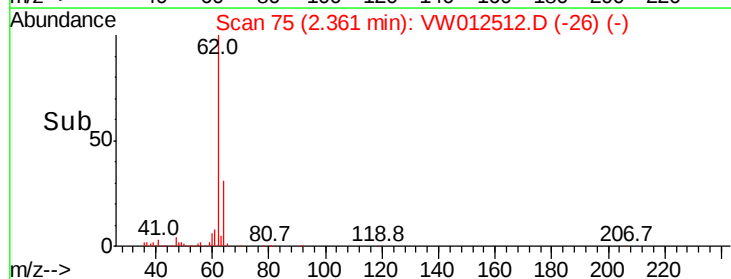
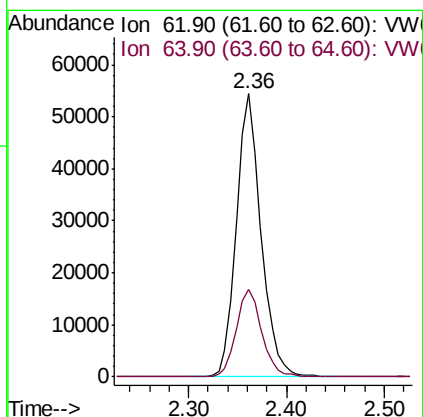
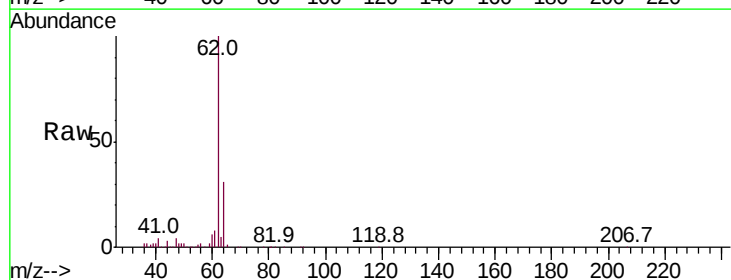
Acq: 02 Sep 2019 21:42

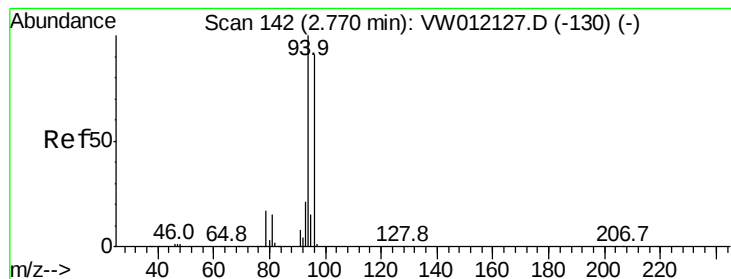
Tgt Ion: 62 Resp: 95212

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 45.224 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 50309

Ion Ratio Lower Upper

94 100

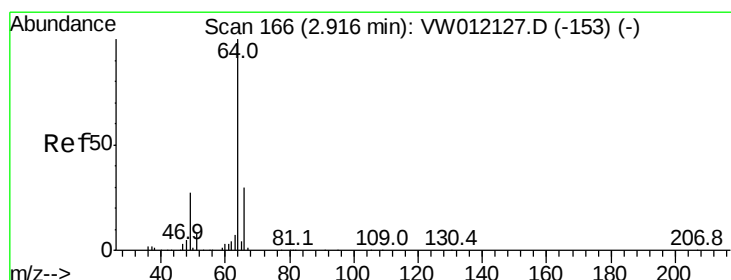
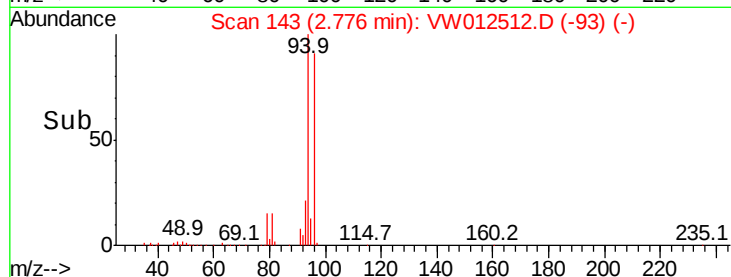
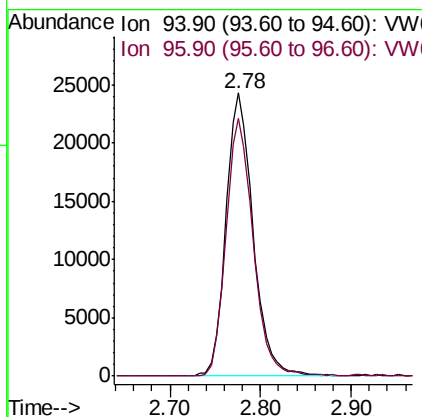
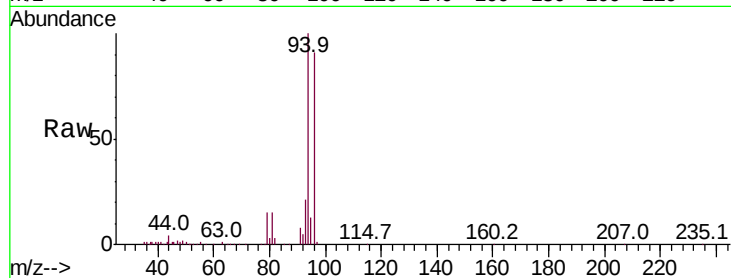
96 91.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 45.268 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012512.D

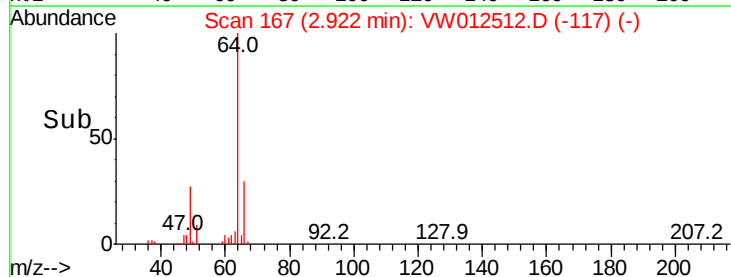
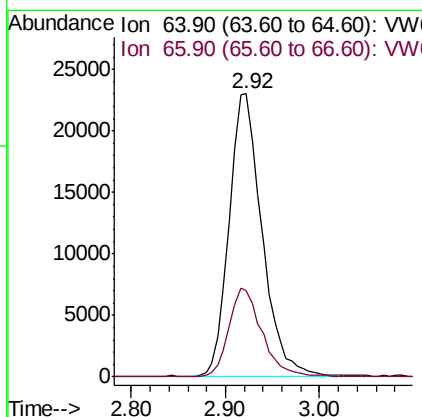
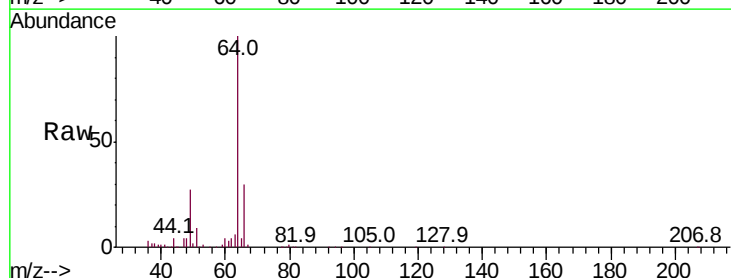
Acq: 02 Sep 2019 21:42

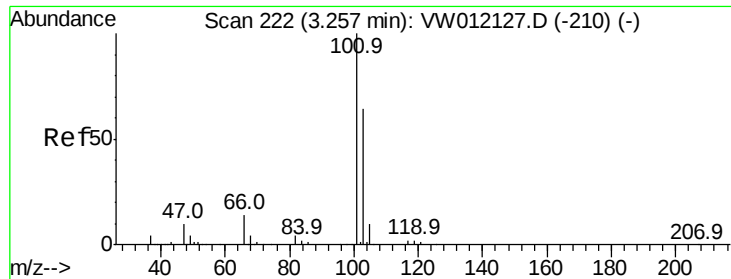
Tgt Ion: 64 Resp: 56092

Ion Ratio Lower Upper

64 100

66 30.0 23.8 35.8





#7

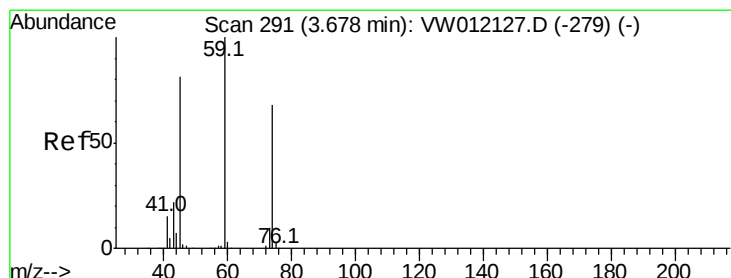
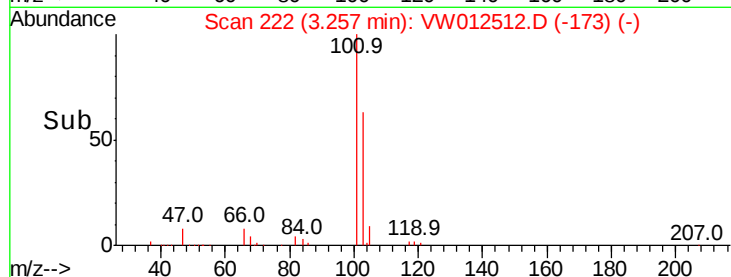
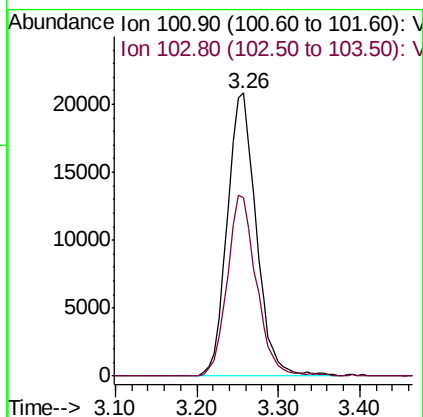
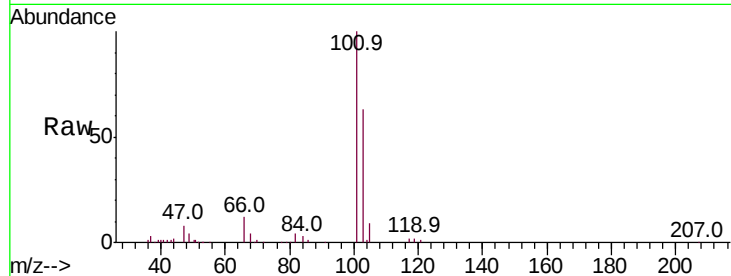
Trichlorofluoromethane
 Concen: 46.186 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.2	76.8

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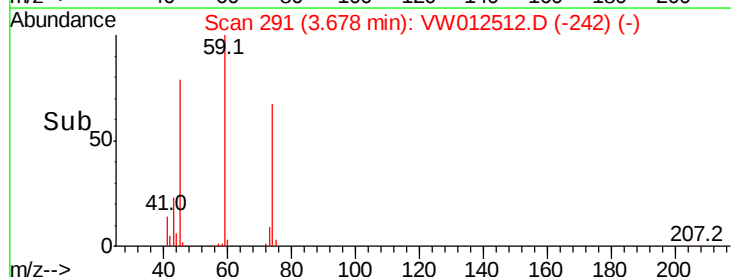
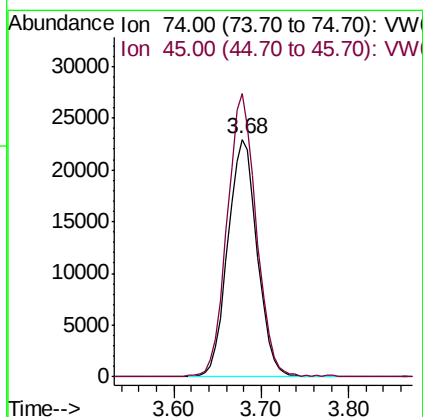
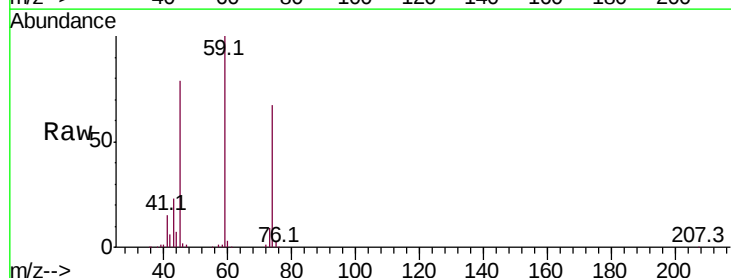
MMDadoda
 9/3/2019 10:55:48 AM

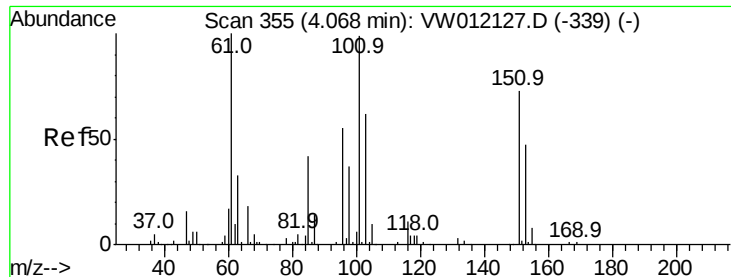


#8

Diethyl Ether
 Concen: 51.085 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.277 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 88634

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.6

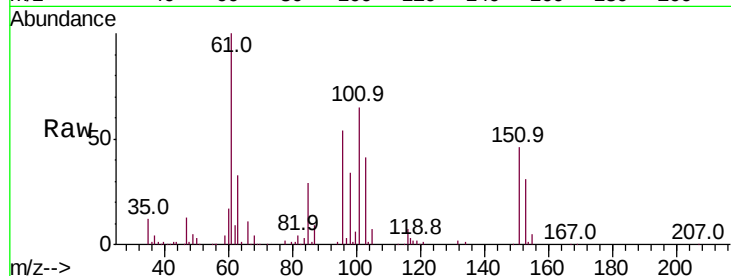
151 76.6 58.6 87.8

Manual Integrations

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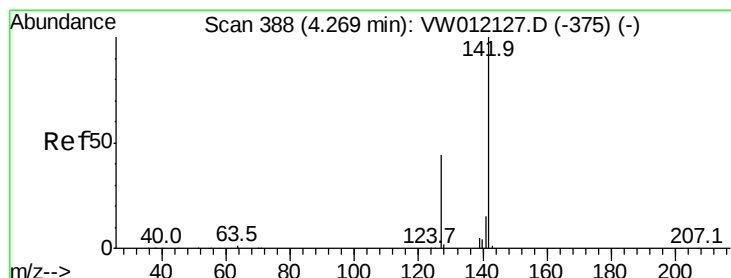
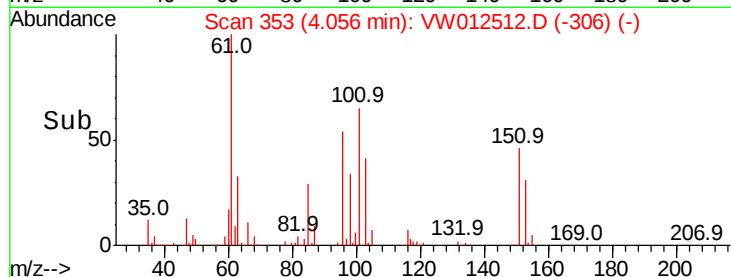
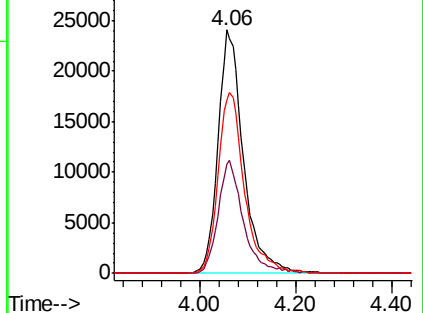
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.857 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

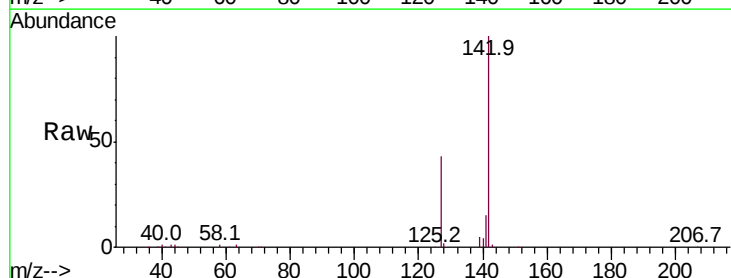
Tgt Ion:142 Resp: 129007

Ion Ratio Lower Upper

142 100

127 43.2 35.5 53.3

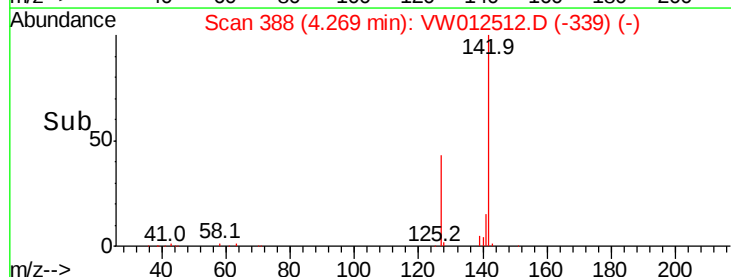
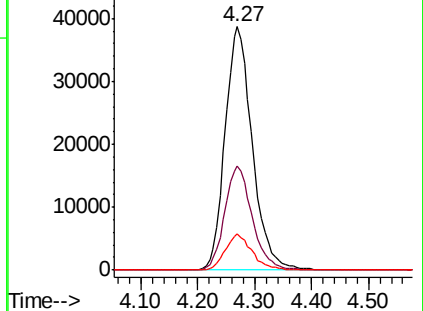
141 14.7 11.8 17.8

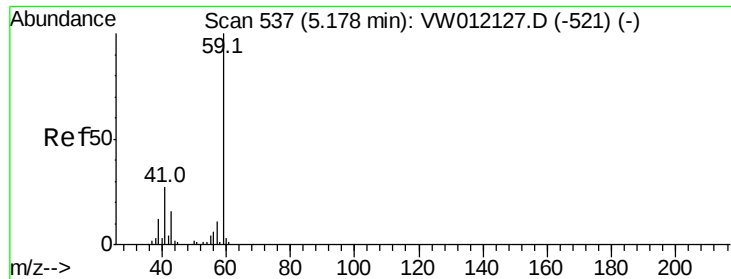


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





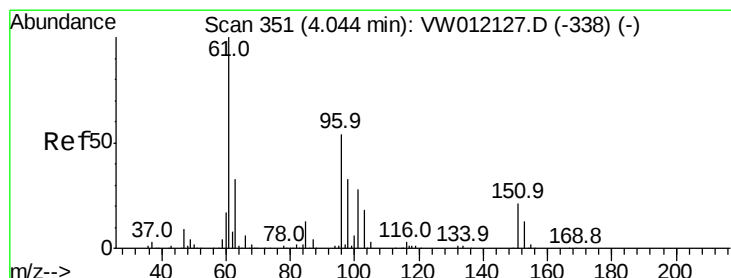
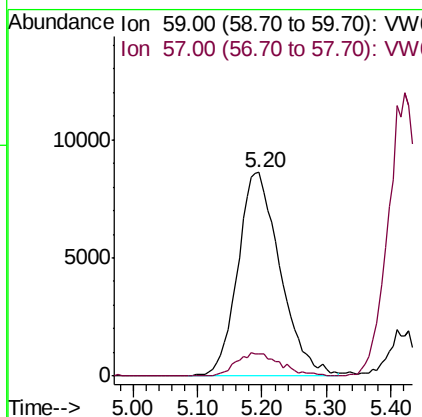
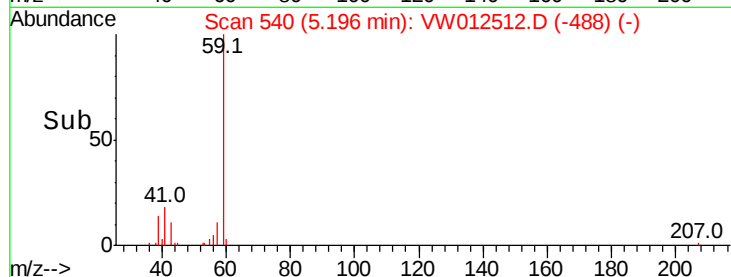
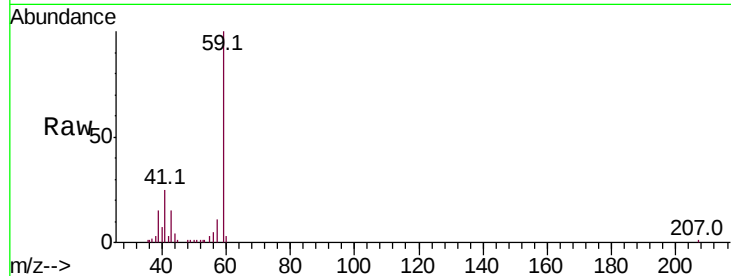
#11
Tert butyl alcohol
Concen: 291.398 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.0	13.4

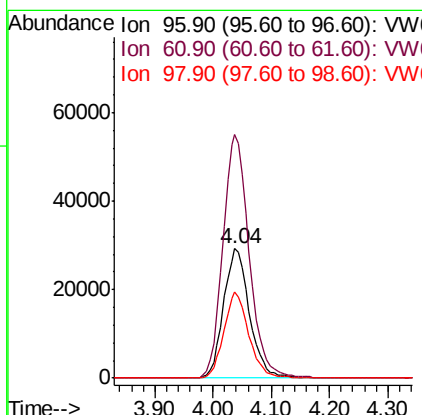
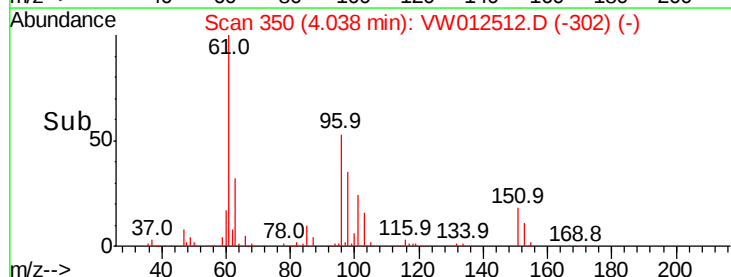
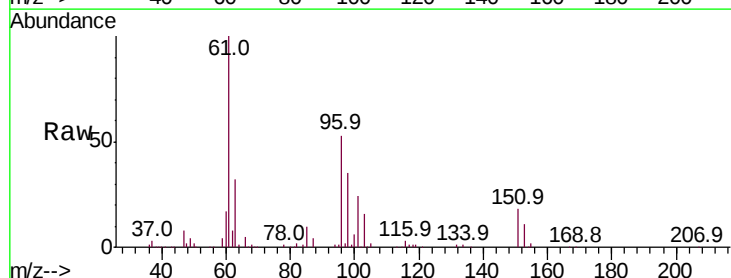
Manual Integrations
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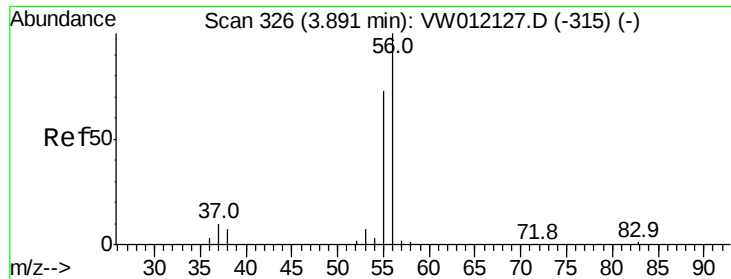
MMDadoda
9/3/2019 10:55:48 AM



#12
1,1-Dichloroethene
Concen: 47.871 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.8	149.1	223.7
98	66.2	49.4	74.2





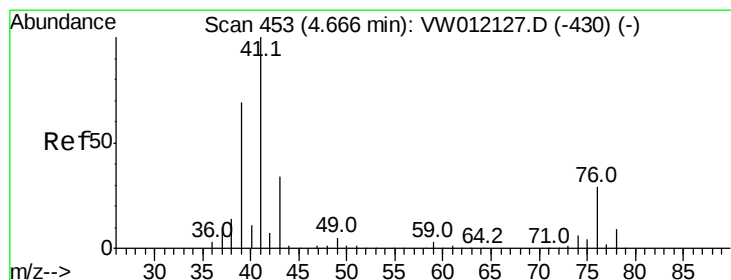
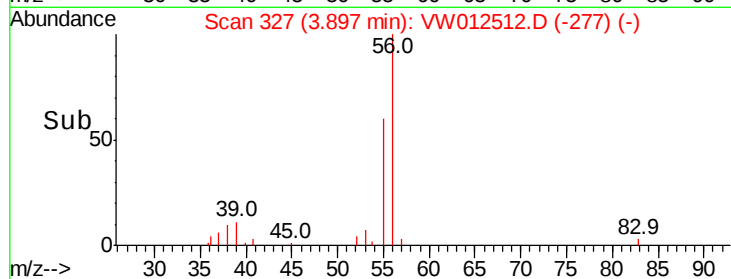
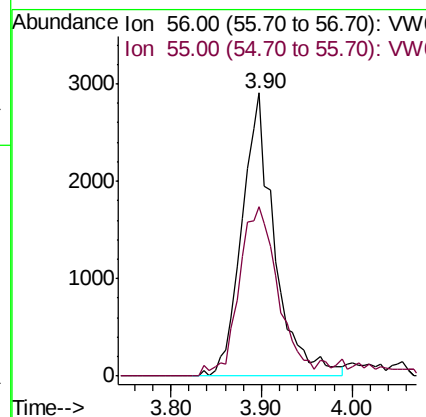
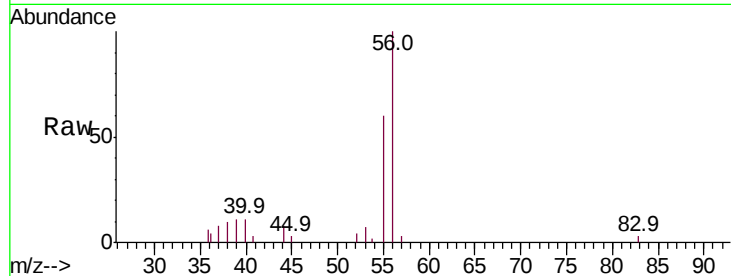
#13
Acrolein
Concen: 57.158 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.8	83.8

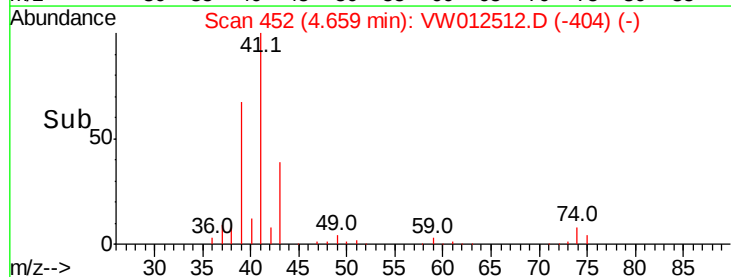
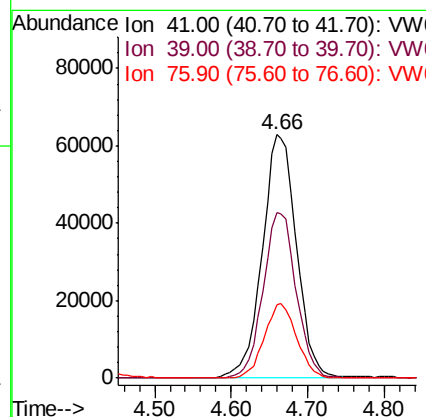
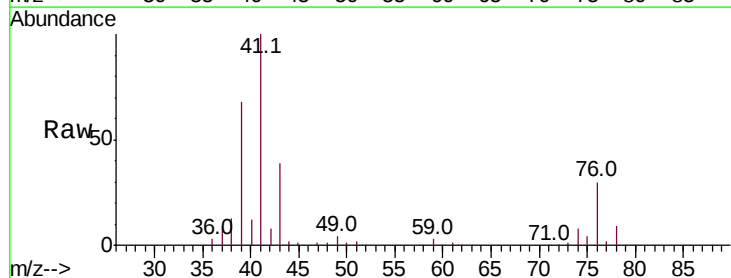
Manual Integrations
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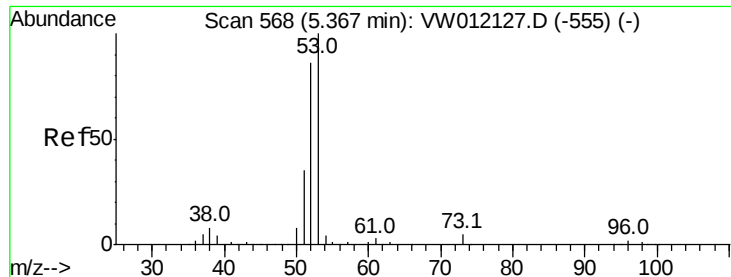
MMDadoda
9/3/2019 10:55:48 AM



#14
Allyl chloride
Concen: 48.336 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	53.4	80.2
76	29.1	22.1	33.1





#15

Acrylonitrile

Concen: 261.859 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

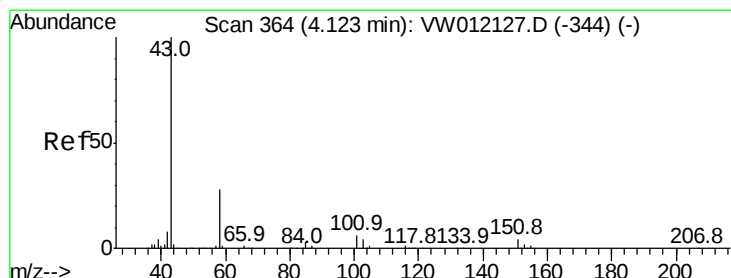
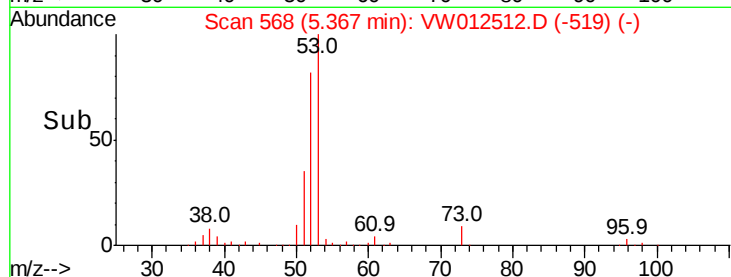
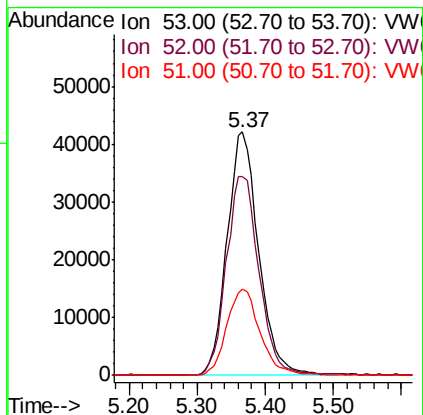
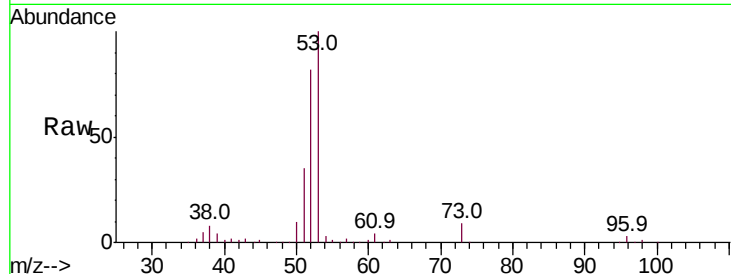
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	135882
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	37.3	30.1	45.1

Manual Integrations
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9/3/2019 10:55:48 AM



#16

Acetone

Concen: 213.203 ug/l

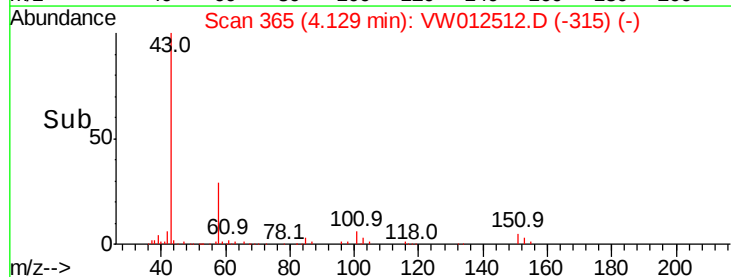
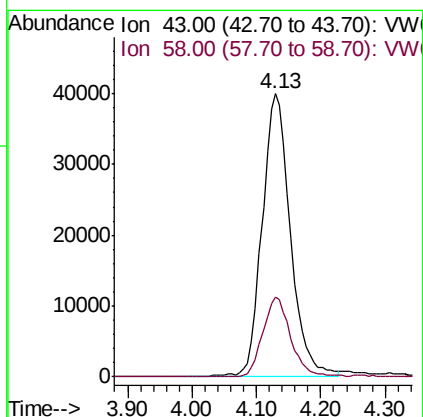
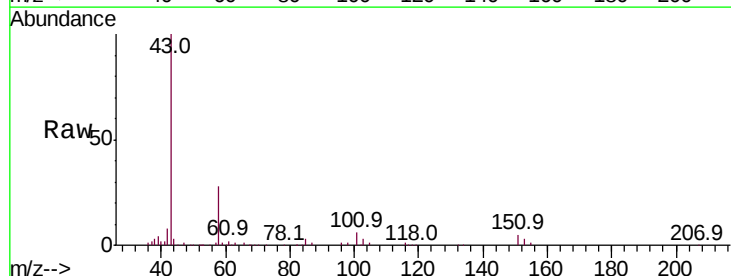
RT: 4.13 min Scan# 365

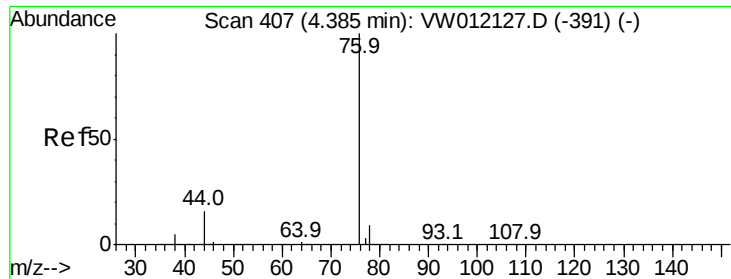
Delta R.T. 0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	43	Resp:	121879
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6





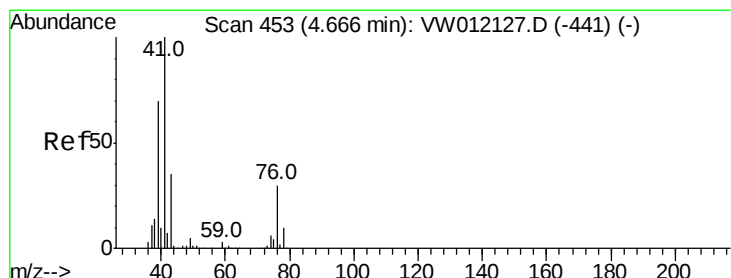
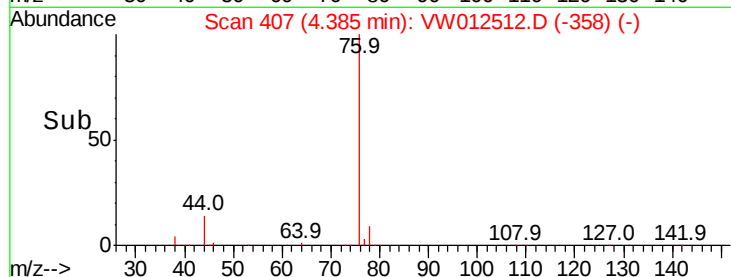
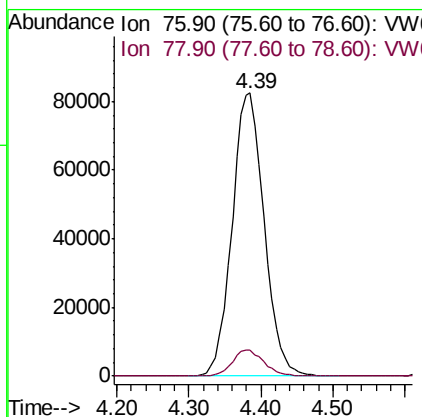
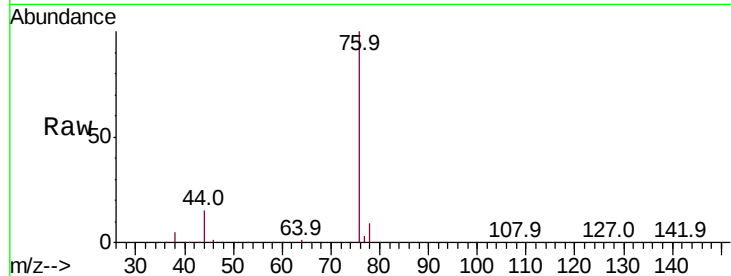
#17
Carbon Disulfide
Concen: 44.621 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

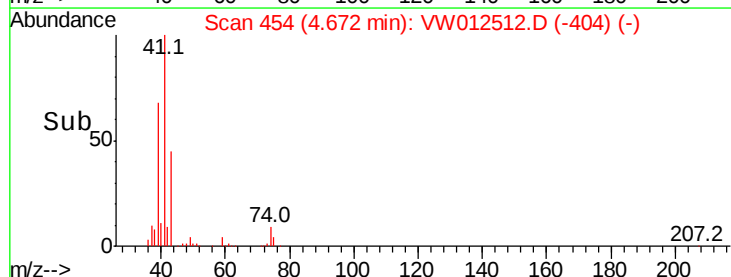
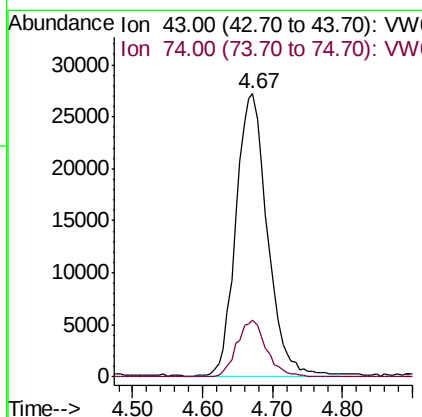
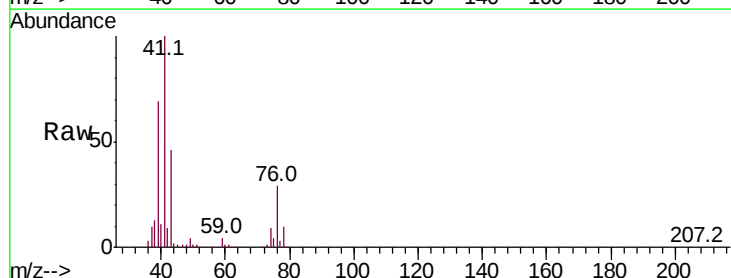
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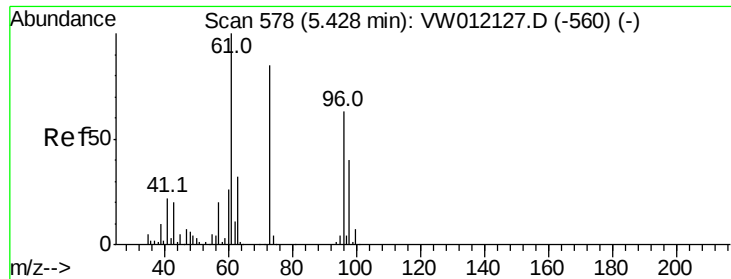
MMDadoda
9/3/2019 10:55:48 AM



#18
Methyl Acetate
Concen: 59.646 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	15.7	23.5





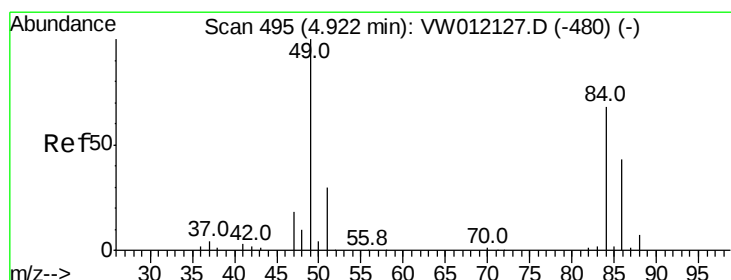
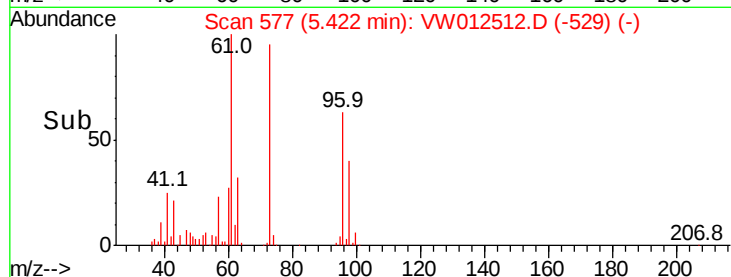
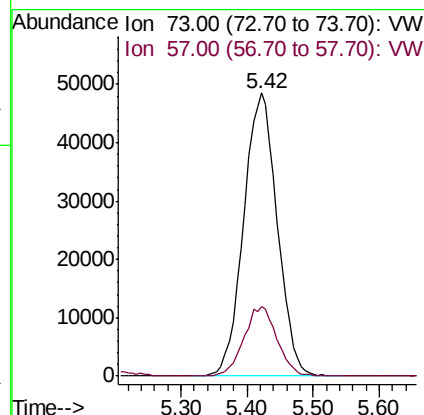
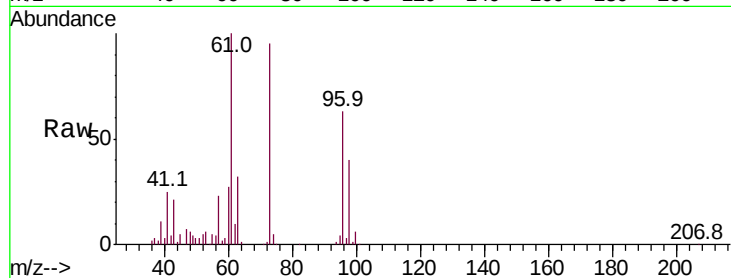
#19
Methvl tert-butvl Ether
Concen: 56.002 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 170892
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3

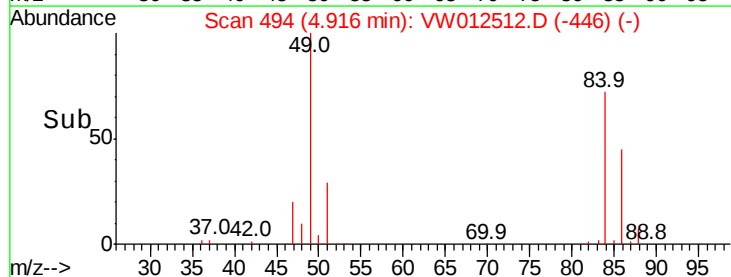
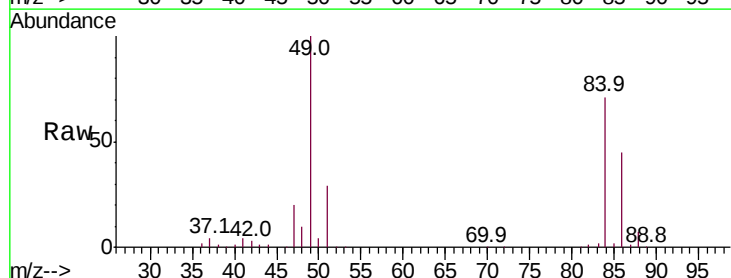
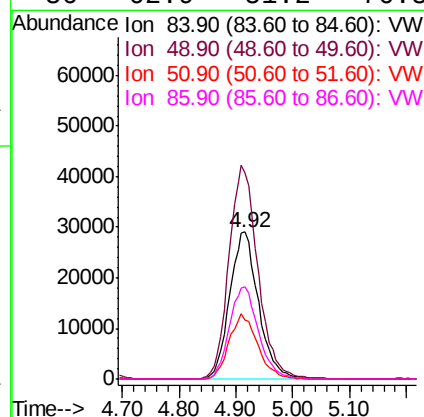
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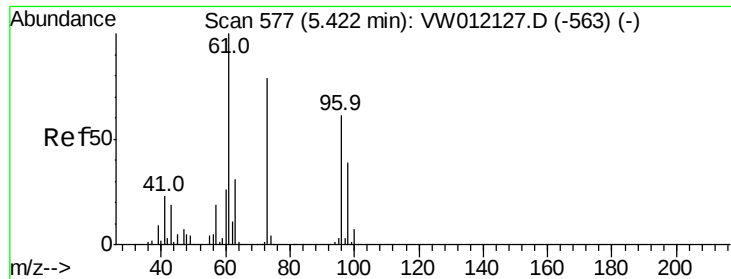
MMDadoda
9/3/2019 10:55:48 AM



#20
Methylene Chloride
Concen: 47.418 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion: 84 Resp: 102474
Ion Ratio Lower Upper
84 100
49 140.5 117.8 176.8
51 40.5 35.6 53.4
86 62.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.280 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 97694

Ion Ratio Lower Upper

96 100

61 157.7 131.4 197.0

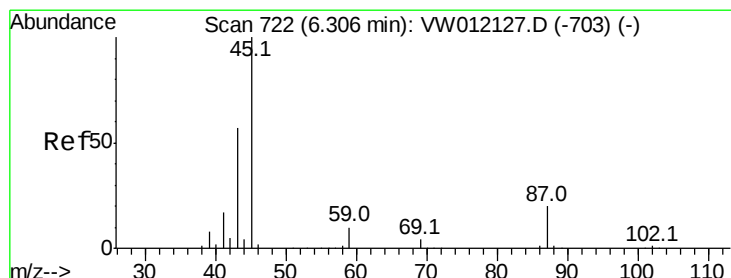
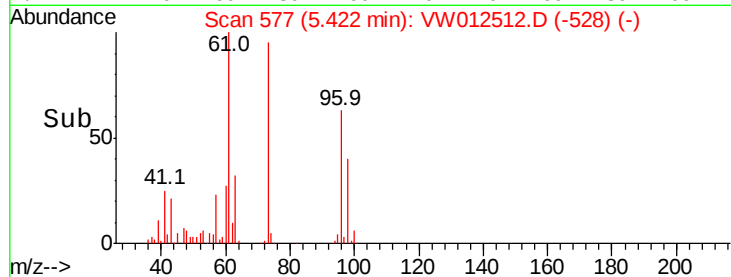
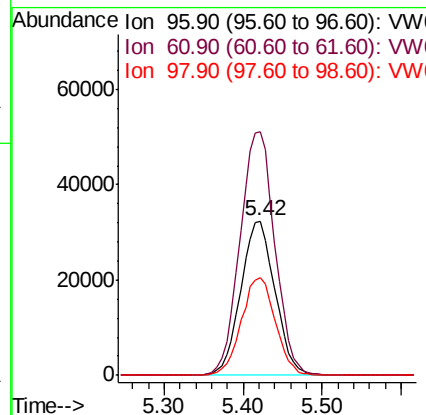
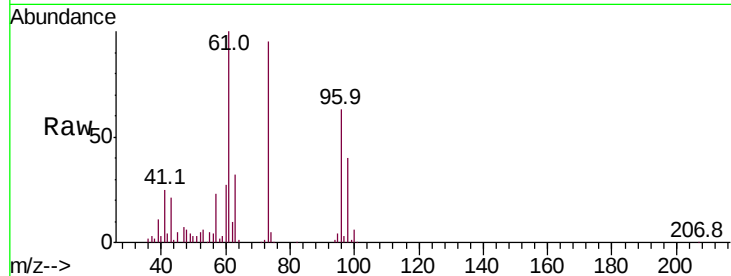
98 63.2 51.4 77.0

Manual Integrations

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9/3/2019 10:55:48 AM



#22

Diisopropyl ether

Concen: 50.662 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion: 45 Resp: 378828

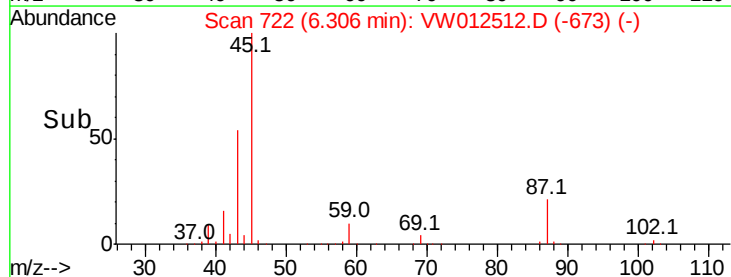
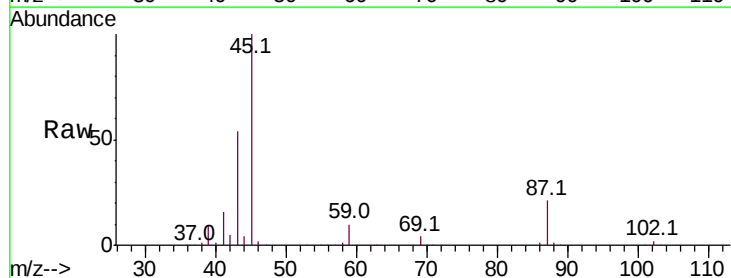
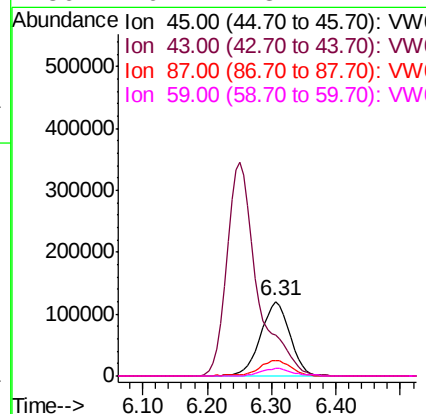
Ion Ratio Lower Upper

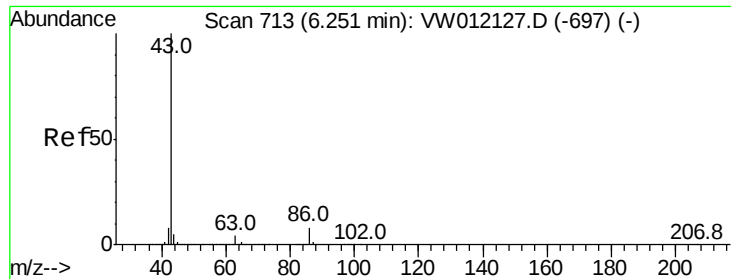
45 100

43 54.3 45.5 68.3

87 20.8 16.1 24.1

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 248.829 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tot Ion: 43 Resp: 1145062

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

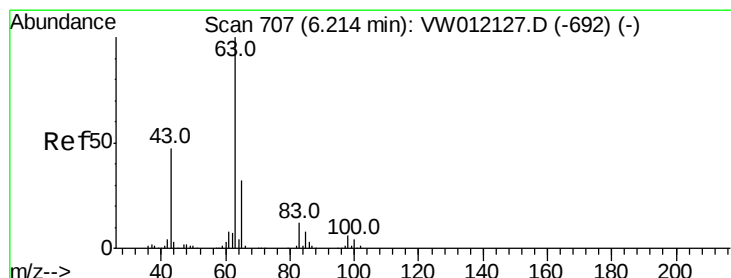
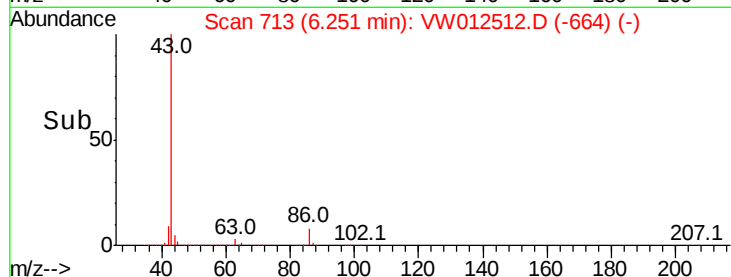
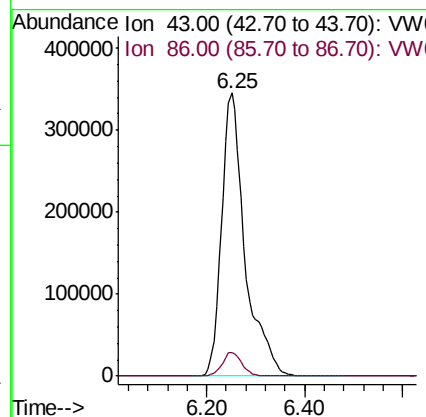
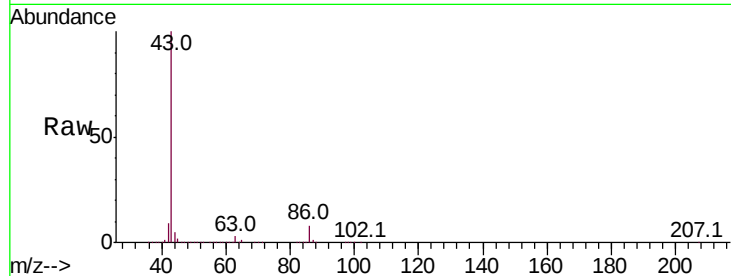
VSTDCCC050

Manual Integrations

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9/3/2019 10:55:48 AM



#24

1,1-Dichloroethane

Concen: 49.307 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

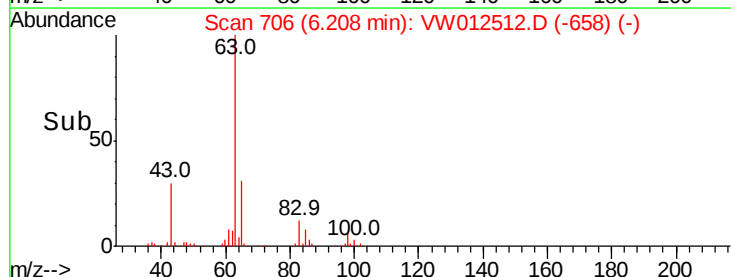
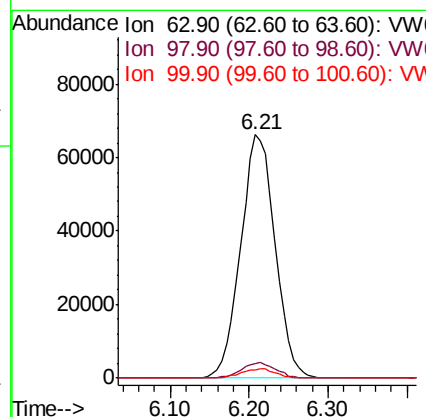
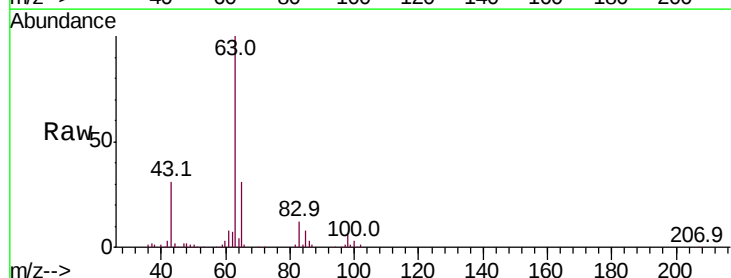
Tgt Ion: 63 Resp: 200747

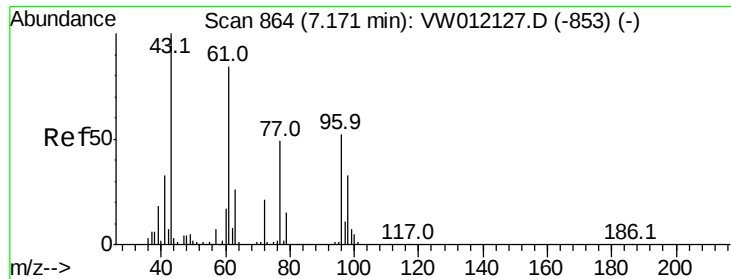
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 241.504 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 187604

Ion Ratio Lower Upper

43 100

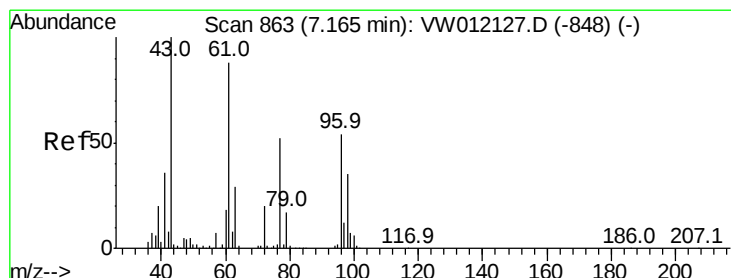
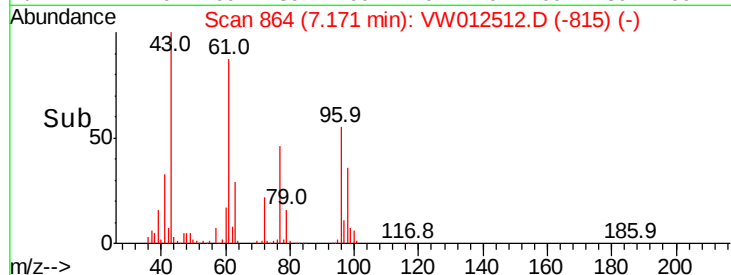
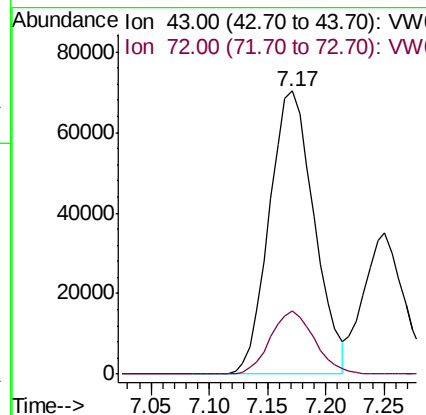
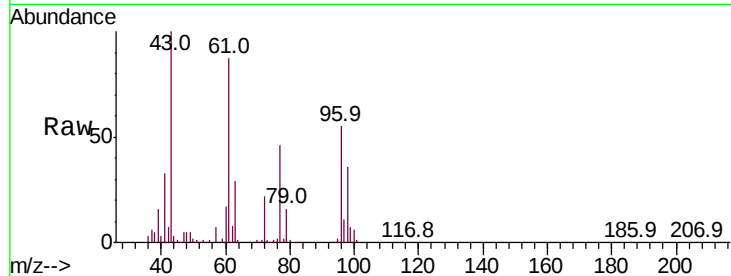
72 22.5 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 10:55:48 AM



#26

2,2-Dichloropropane

Concen: 46.528 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012512.D

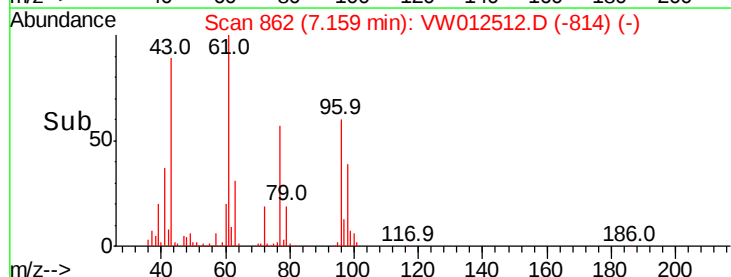
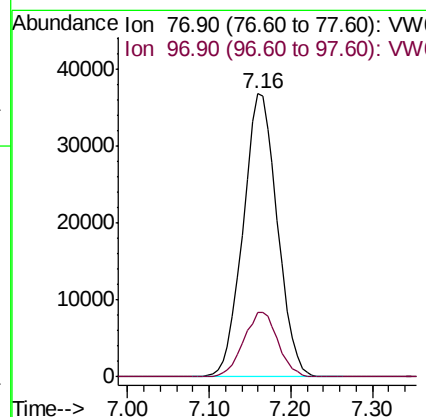
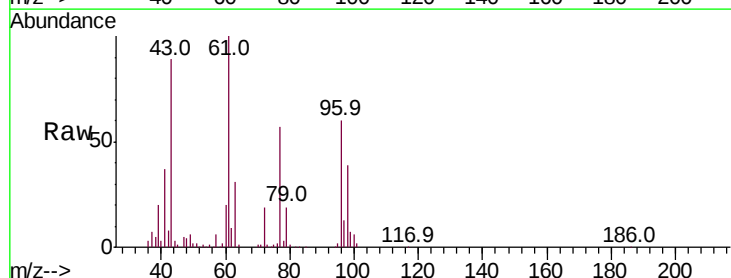
Acq: 02 Sep 2019 21:42

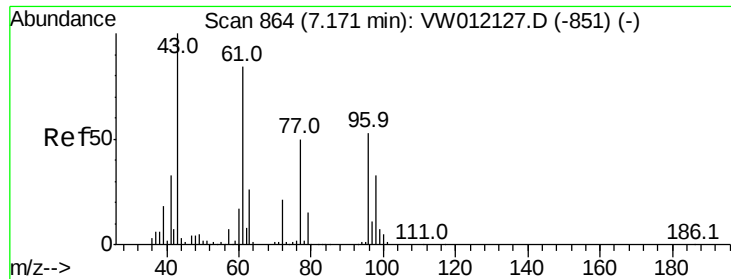
Tgt Ion: 77 Resp: 107223

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

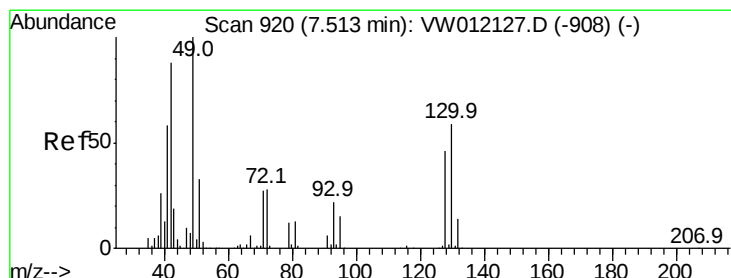
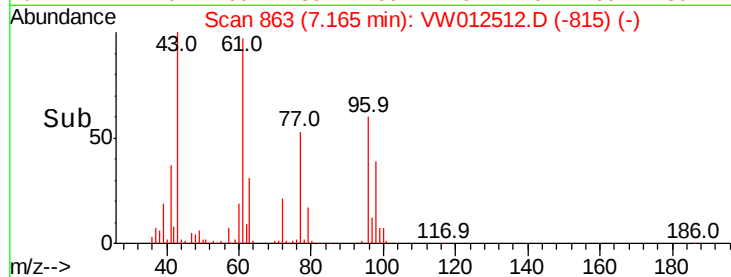
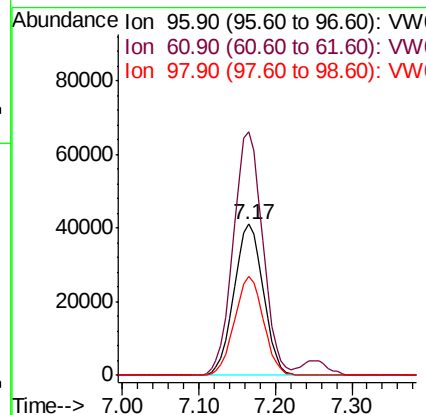
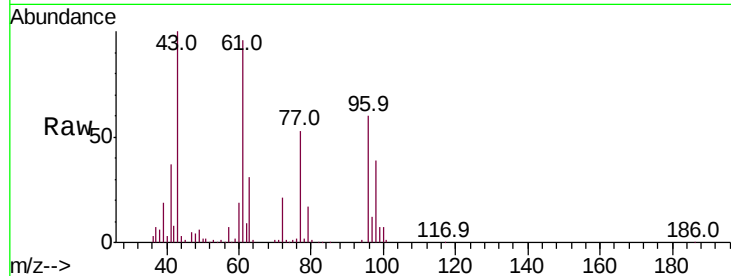
cis-1,2-Dichloroethene
Concen: 50.367 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.8	0.0	326.6	
98	64.6	0.0	127.4	

Manual Integrations
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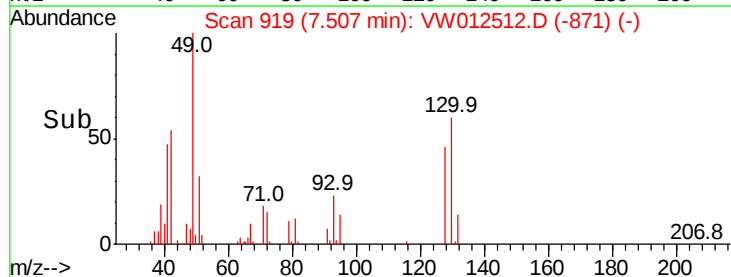
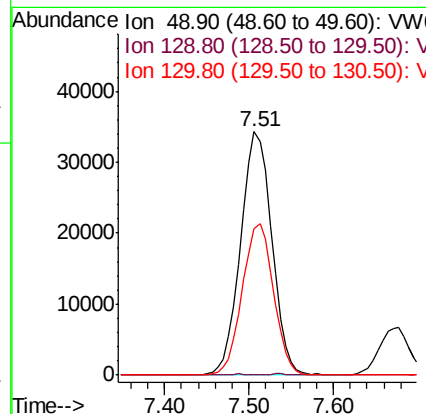
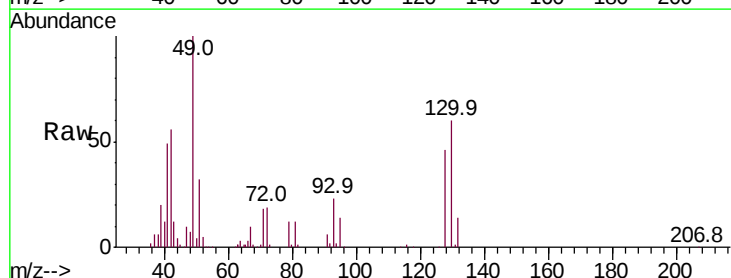
MMDadoda
9/3/2019 10:55:48 AM

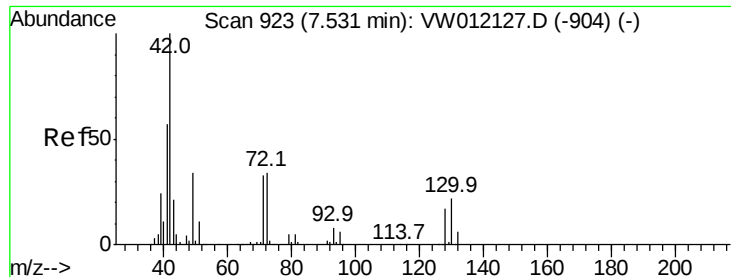


#28

Bromochloromethane
Concen: 48.464 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	1.4	
130	62.1	45.5	68.3	





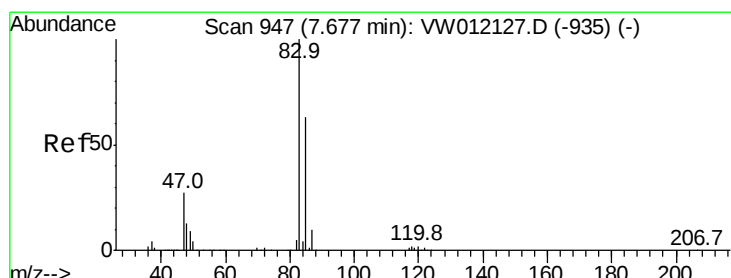
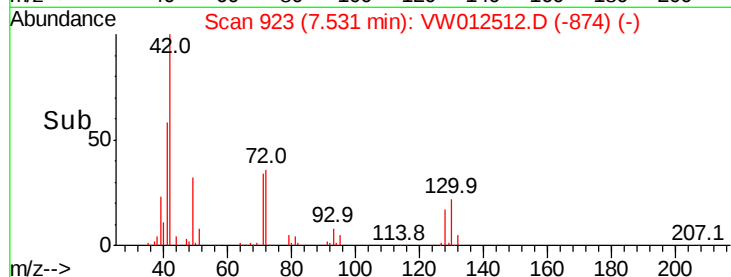
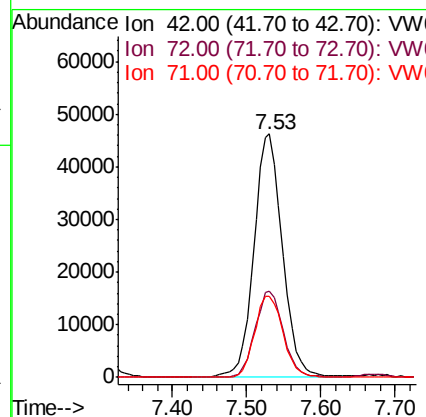
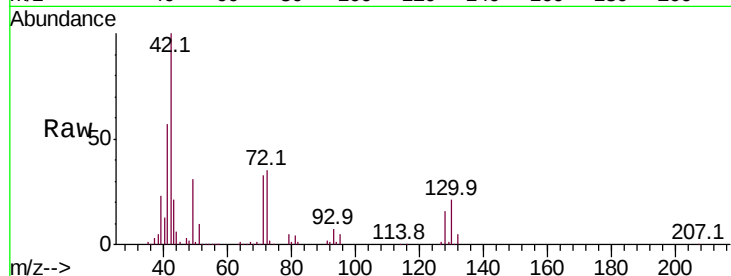
#29
Tetrahydrofuran
Concen: 266.899 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.3	40.9
71	33.4	25.5	38.3

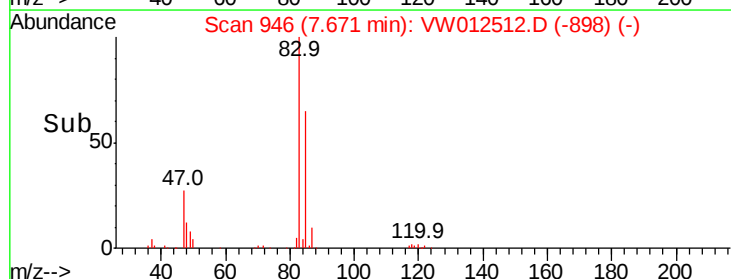
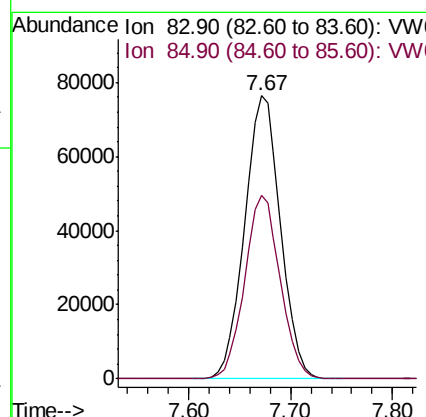
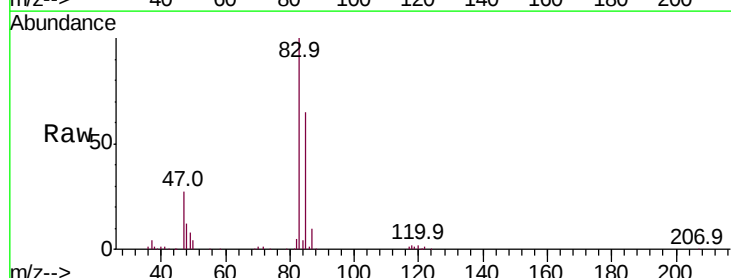
Manual Integrations
APPROVED

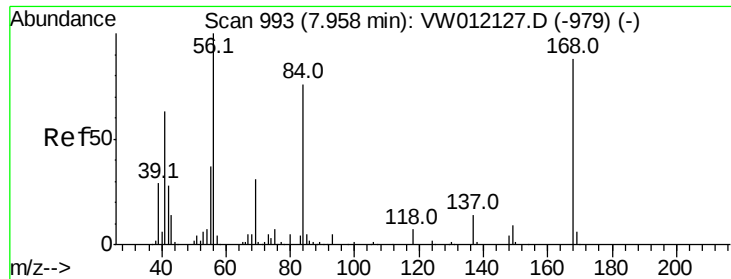
MMDadoda
9/3/2019 10:55:48 AM



#30
Chloroform
Concen: 50.018 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





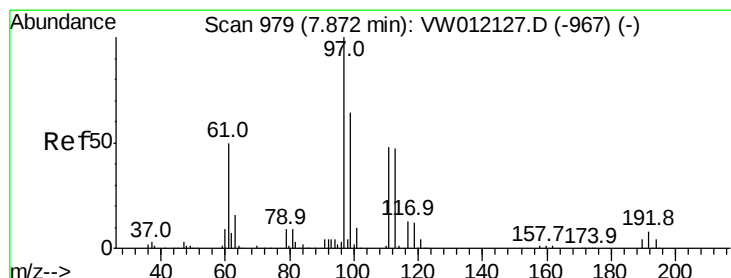
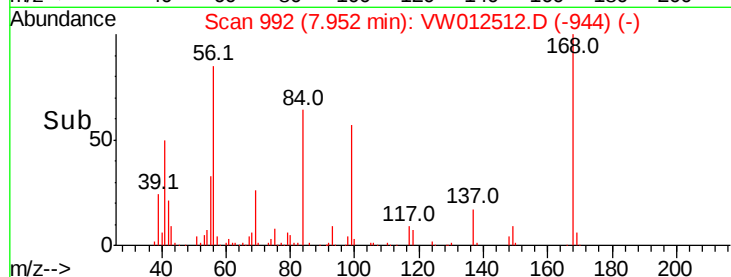
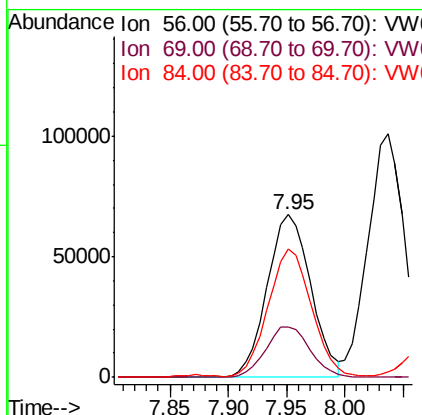
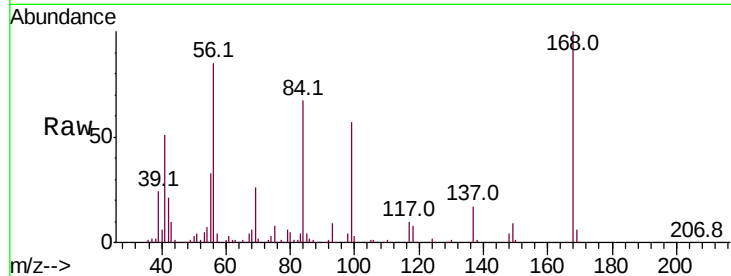
#31
Cyclohexane
Concen: 43.470 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.9	37.3
84	77.4	60.6	90.8

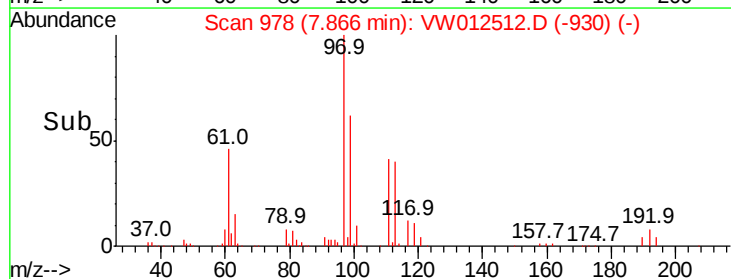
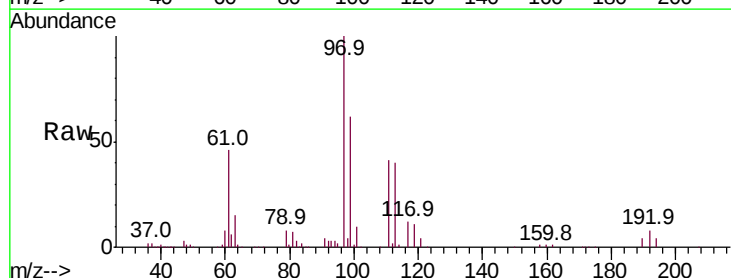
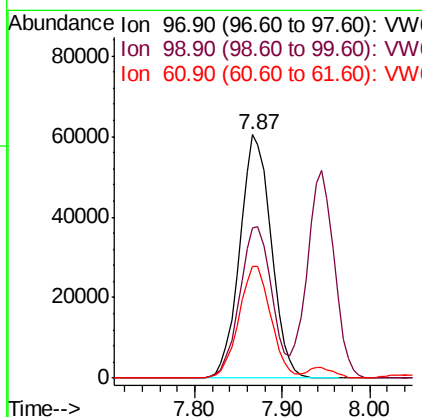
Manual Integrations
APPROVED

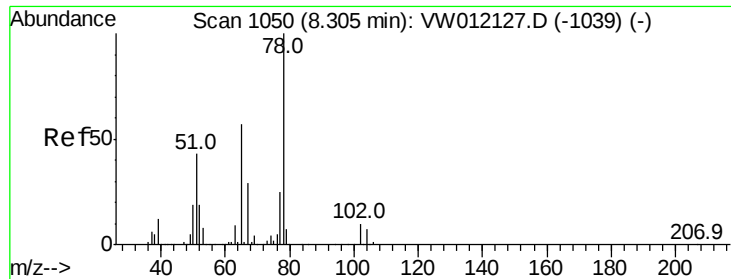
MMDadoda
9/3/2019 10:55:48 AM



#32
1,1,1-Trichloroethane
Concen: 51.195 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	46.9	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 50.726 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 113442

Ion Ratio Lower Upper

65 100

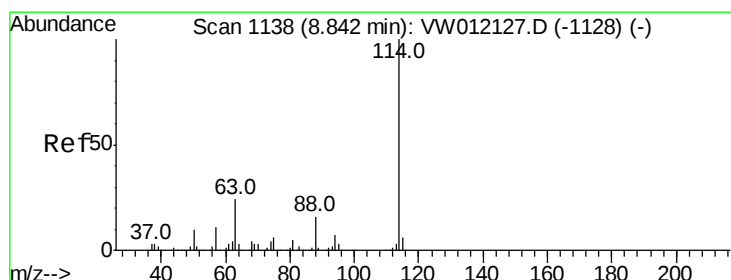
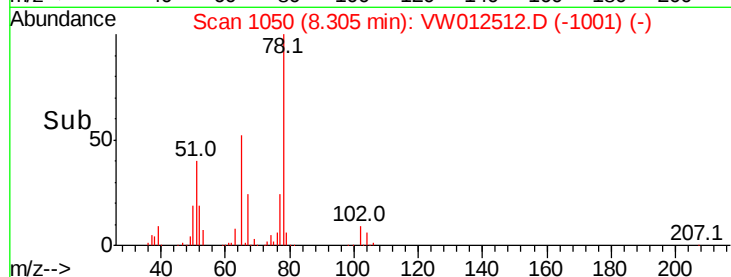
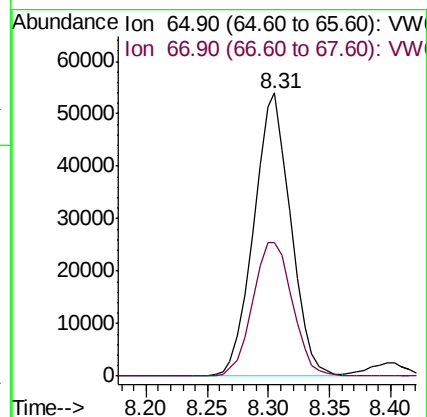
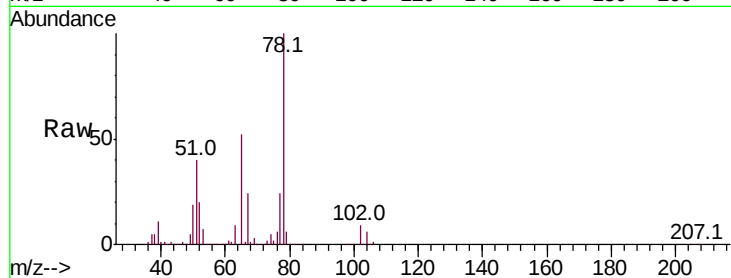
67 51.0 0.0 102.6

Manual Integrations

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9/3/2019 10:55:48 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

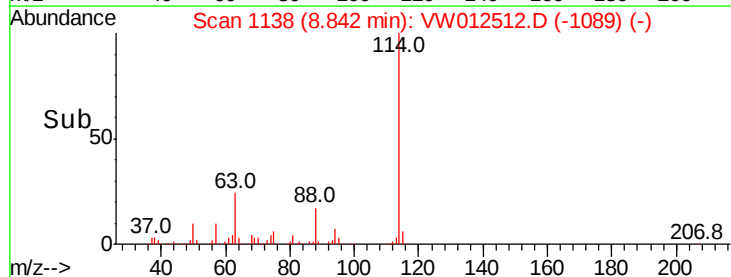
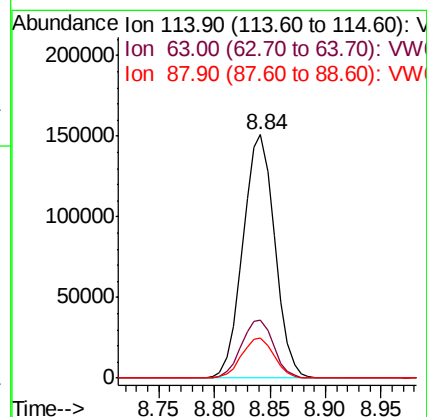
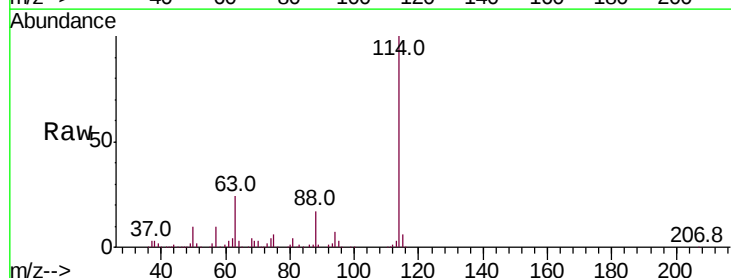
Tgt Ion: 114 Resp: 300380

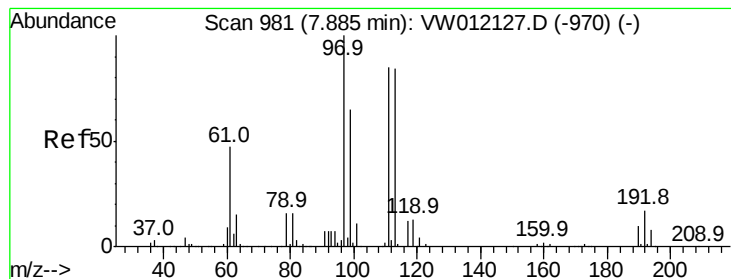
Ion Ratio Lower Upper

114 100

63 23.6 0.0 48.6

88 16.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.052 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 93329

Ion Ratio Lower Upper

113 100

111 101.6 82.7 124.1

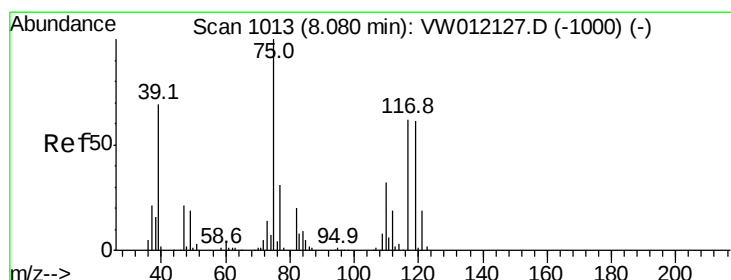
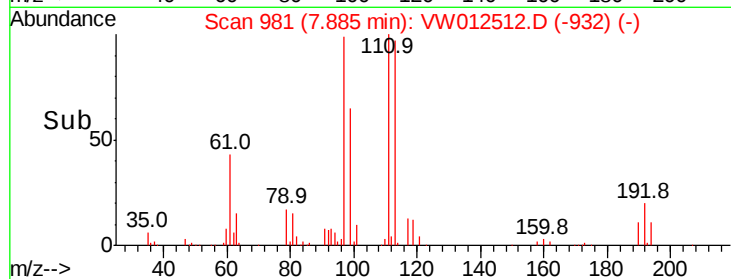
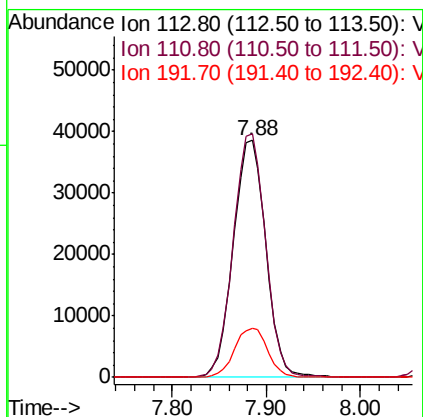
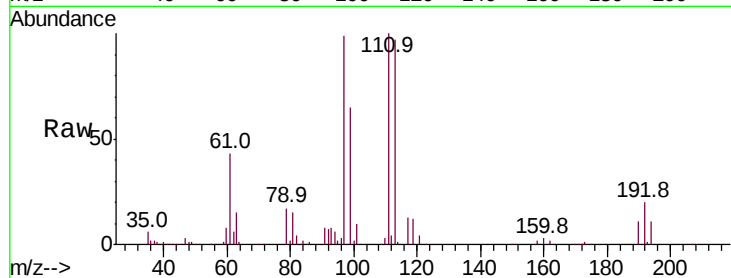
192 21.1 16.2 24.2

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 48.480 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

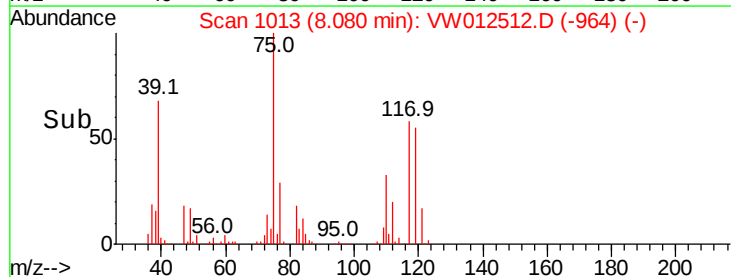
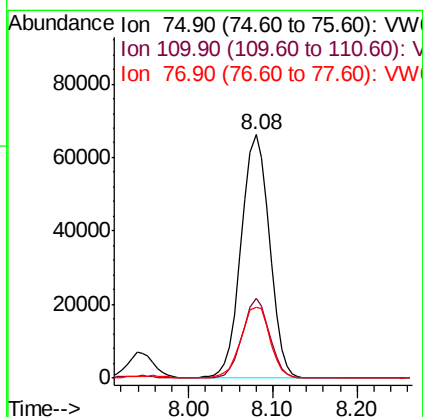
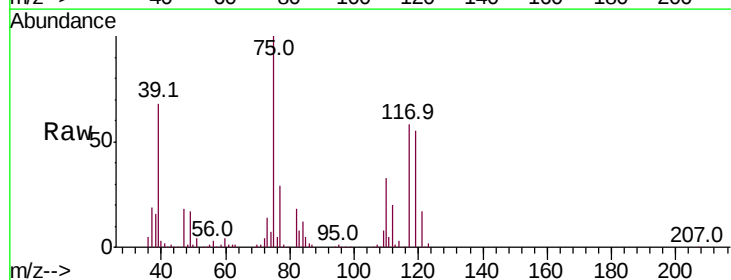
Tgt Ion: 75 Resp: 150486

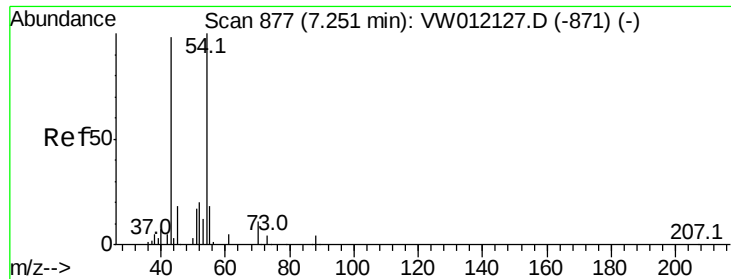
Ion Ratio Lower Upper

75 100

110 31.1 15.6 46.8

77 30.3 24.6 36.8





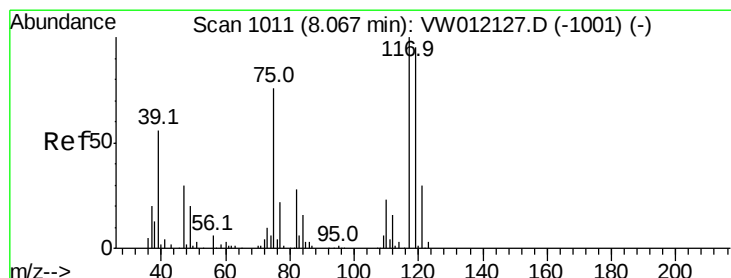
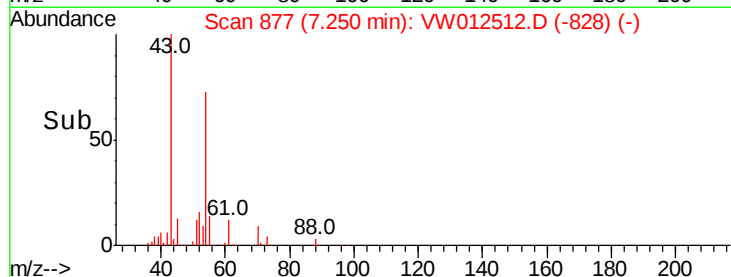
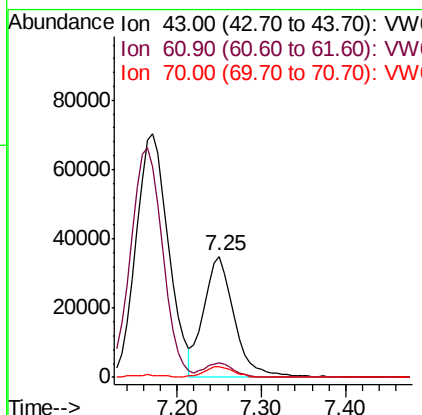
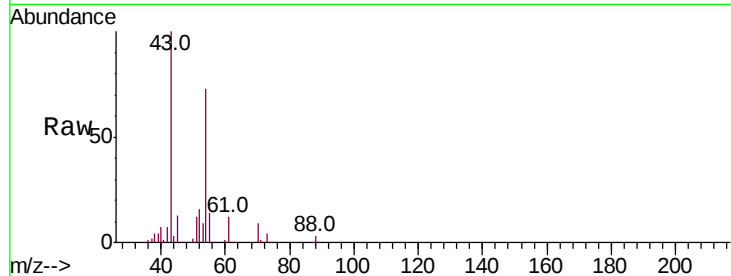
#37
Ethyl Acetate
Concen: 51.391 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	9.1	6.9	10.3

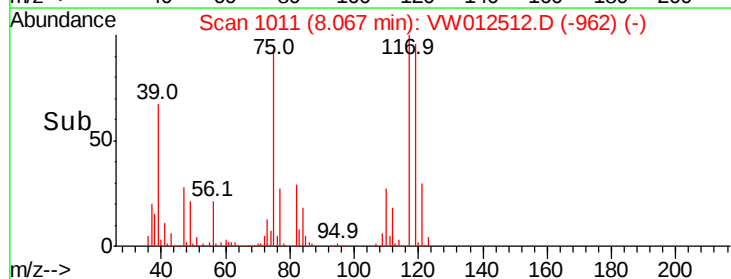
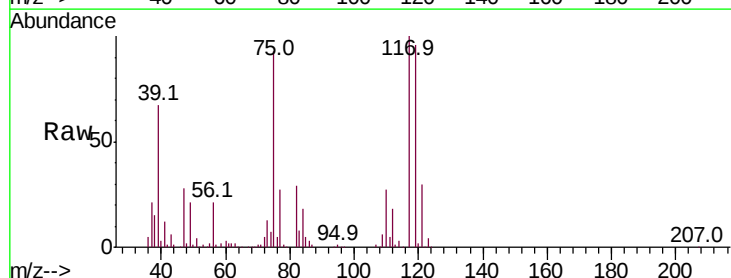
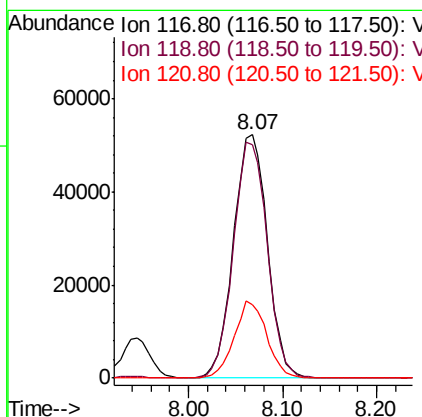
Manual Integrations
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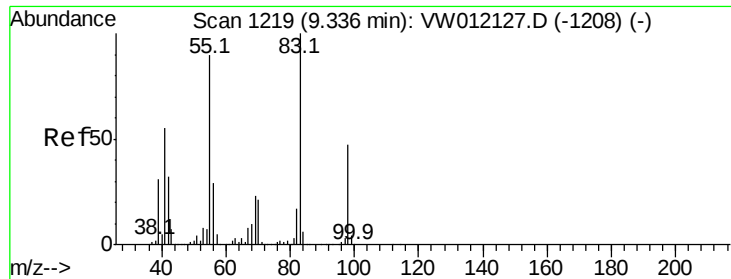
MMDadoda
9/3/2019 10:55:48 AM



#38
Carbon Tetrachloride
Concen: 48.967 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2
121	30.4	23.8	35.8





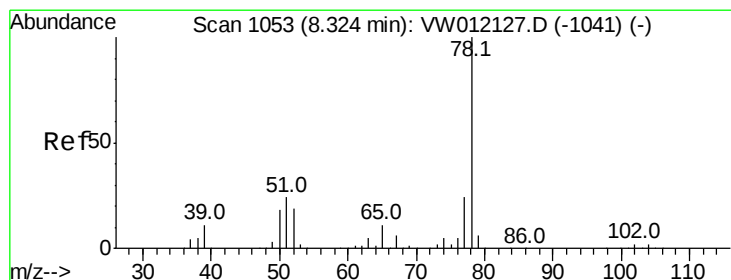
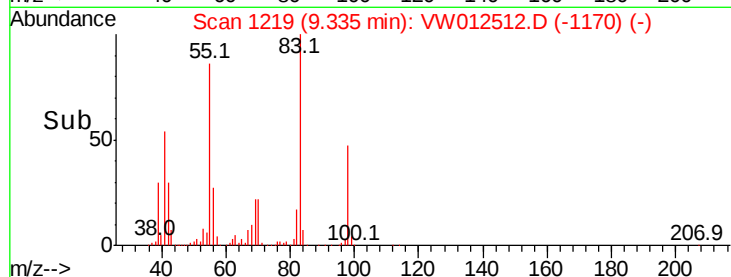
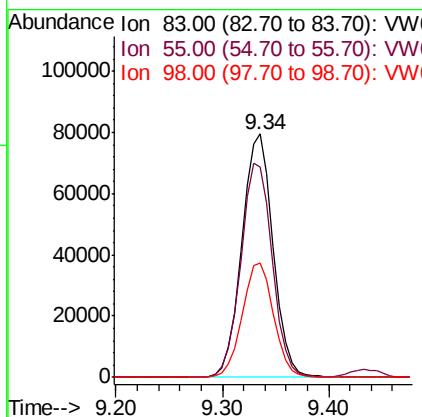
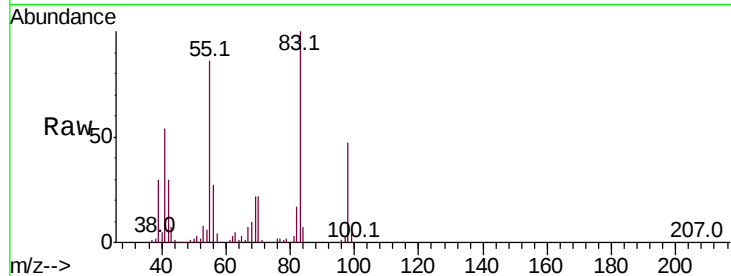
#39
Methvlcvclohexane
Concen: 46.857 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	163400
Ion Ratio	100	Lower	Upper
83	100		
55	86.5	71.8	107.8
98	46.9	37.8	56.8

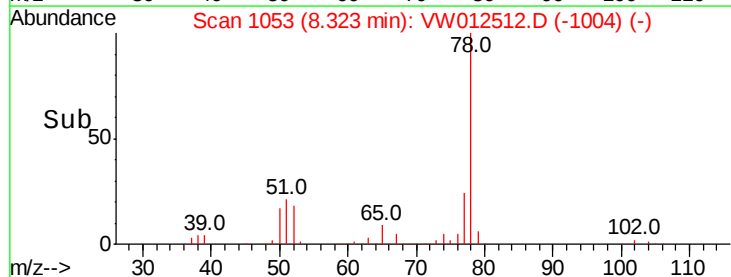
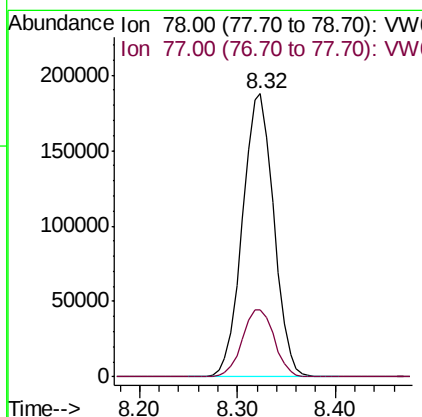
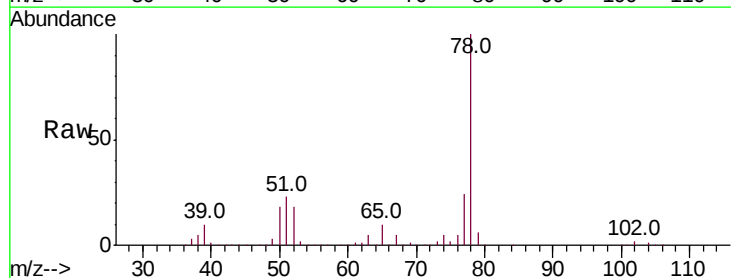
Manual Integrations
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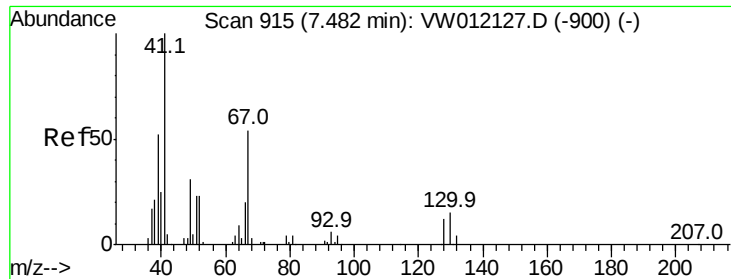
MMDadoda
9/3/2019 10:55:48 AM



#40
Benzene
Concen: 49.192 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	78	Resp	416951
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.5	29.3





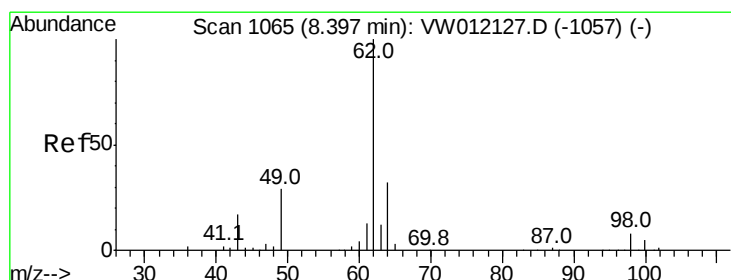
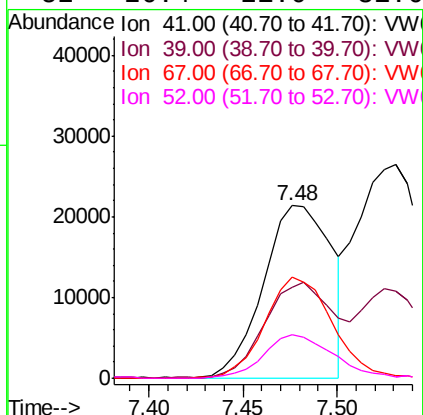
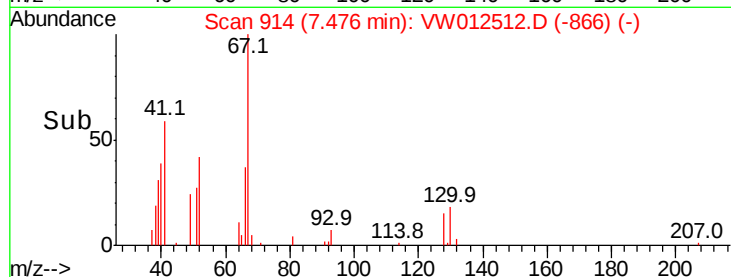
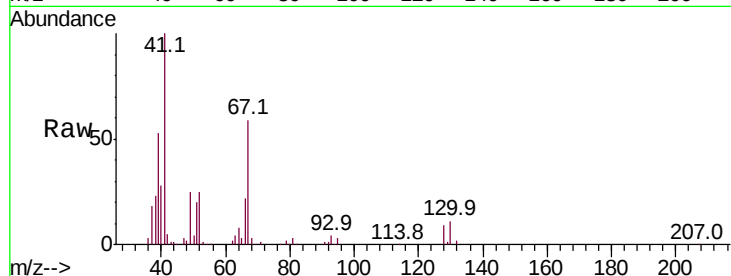
#41
Methacrylonitrile
Concen: 53.764 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	45.8	68.8
67	58.3	46.2	69.4
52	26.4	21.0	31.6

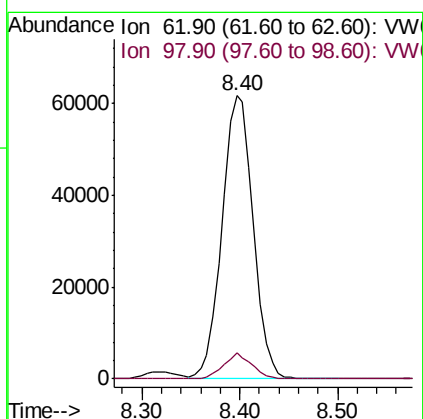
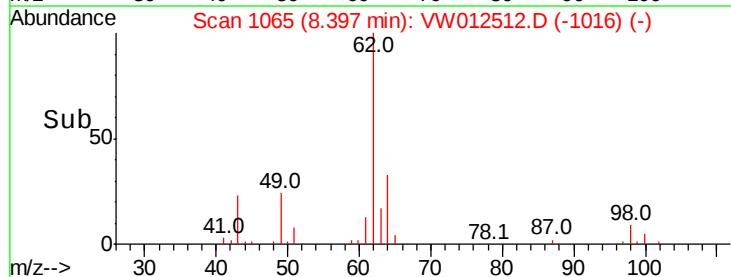
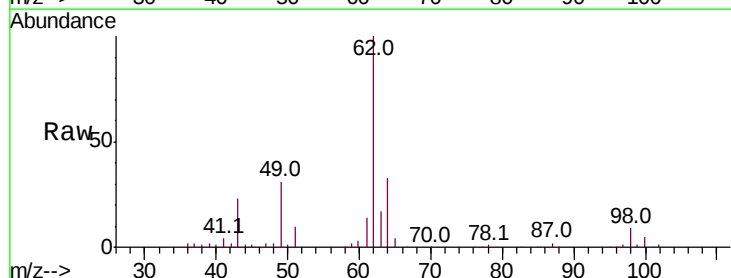
Manual Integrations
APPROVED

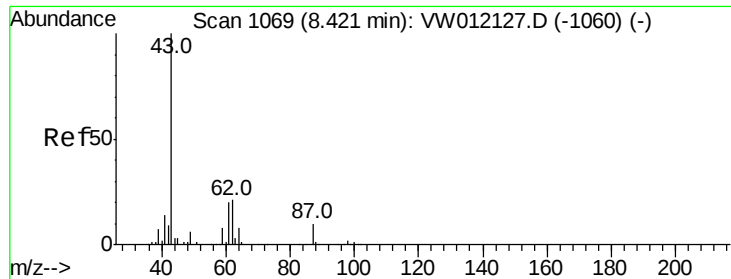
MMDadoda
9/3/2019 10:55:48 AM



#42
1,2-Dichloroethane
Concen: 51.162 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 52.222 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

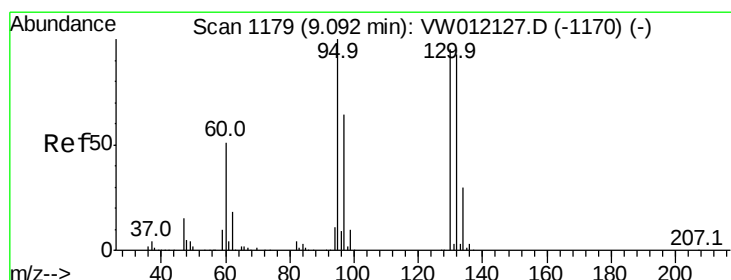
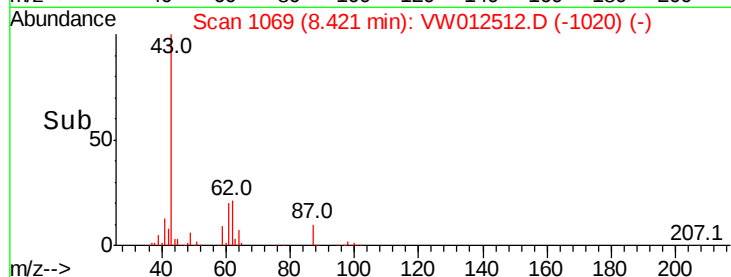
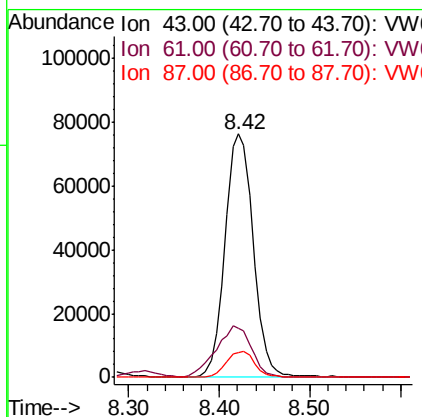
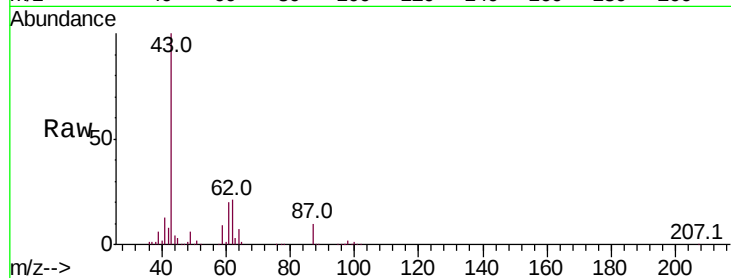
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	164540
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.1	31.7
87	10.6	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 50.332 ug/l

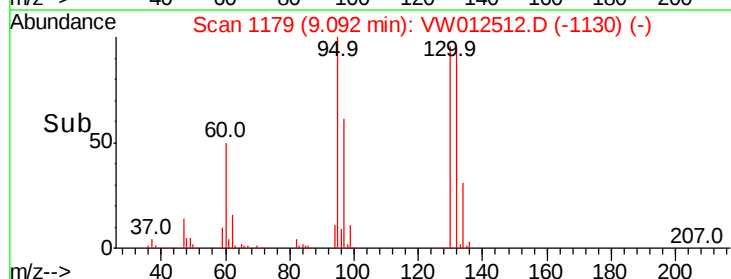
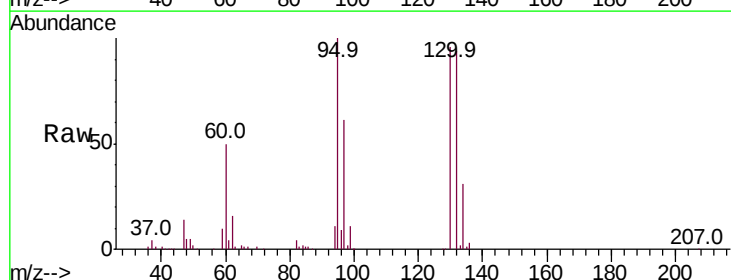
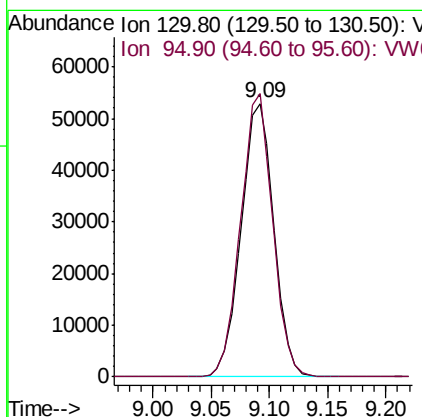
RT: 9.09 min Scan# 1179

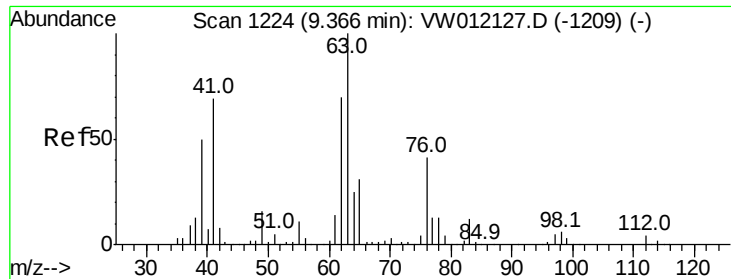
Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	130	Resp:	103707
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	210.6





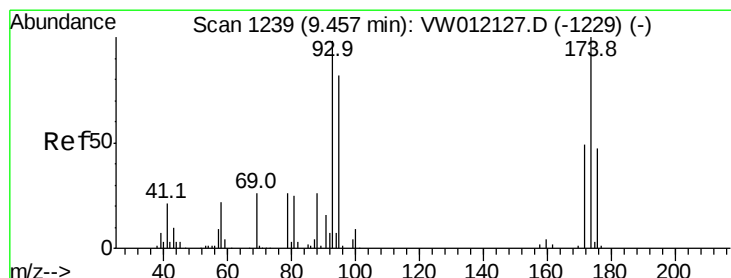
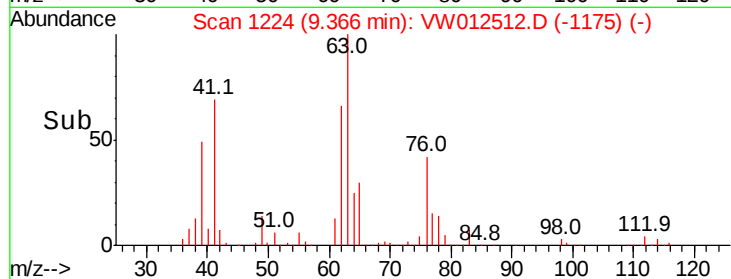
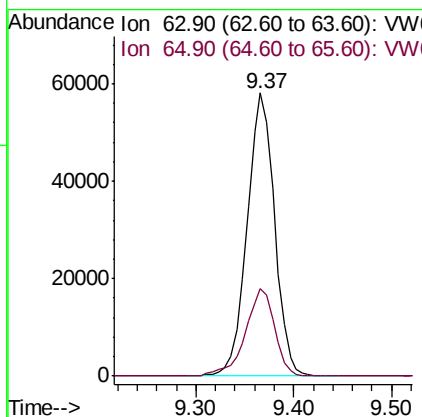
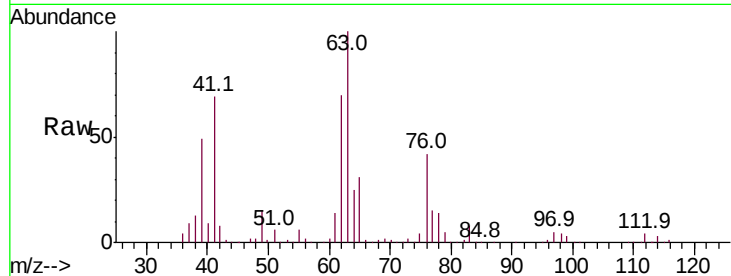
#45
 1,2-Dichloropropane
 Concen: 49.423 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 112740
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

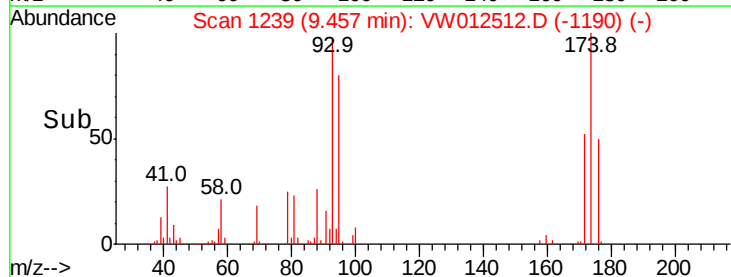
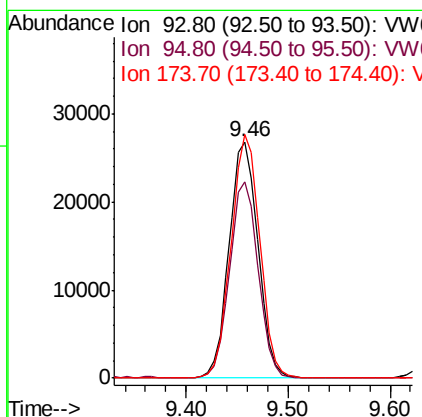
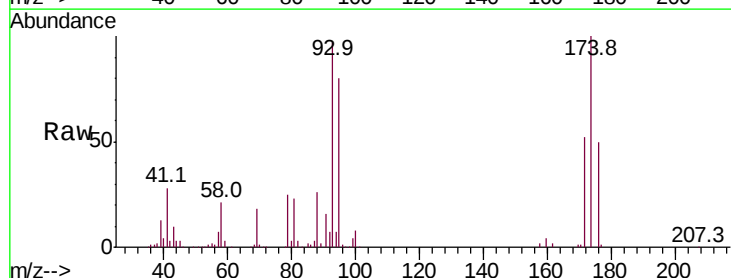
Manual Integrations
 APPROVED

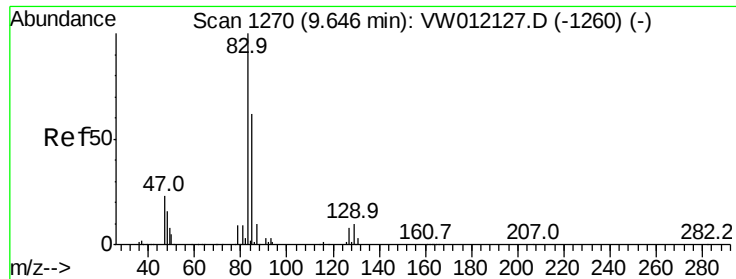
MMDadoda
 9/3/2019 10:55:48 AM



#46
 Dibromomethane
 Concen: 51.749 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion: 93 Resp: 52522
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 102.6 79.0 118.6





#47

Bromodichloromethane

Concen: 51.423 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

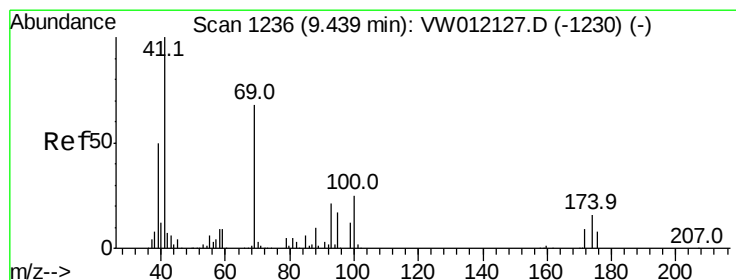
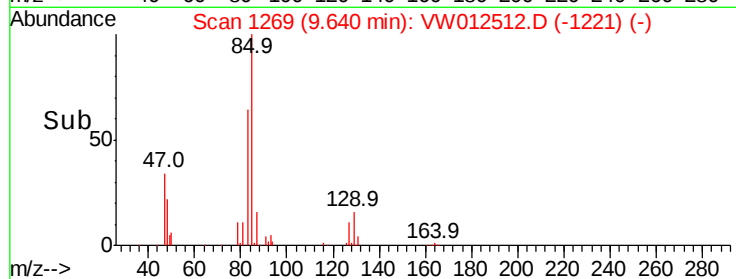
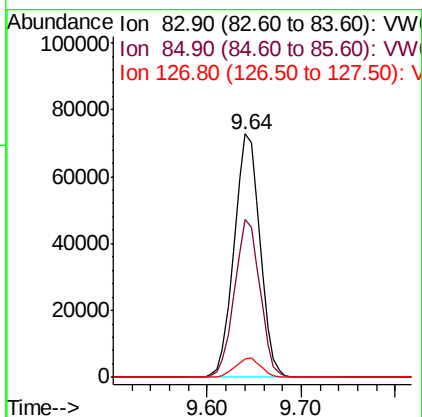
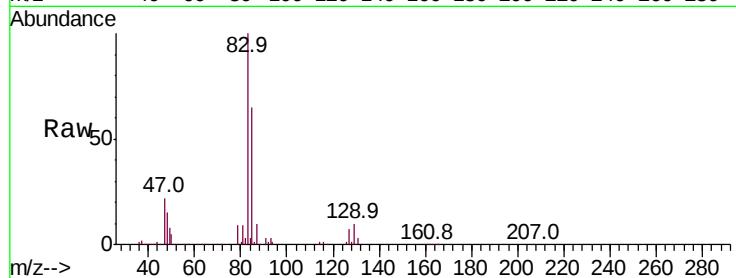
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	138904
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.4	74.2
127	7.4	6.1	9.1

Manual Integrations
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MMDadoda
9/3/2019 10:55:48 AM



#48

Methyl methacrylate

Concen: 54.070 ug/l

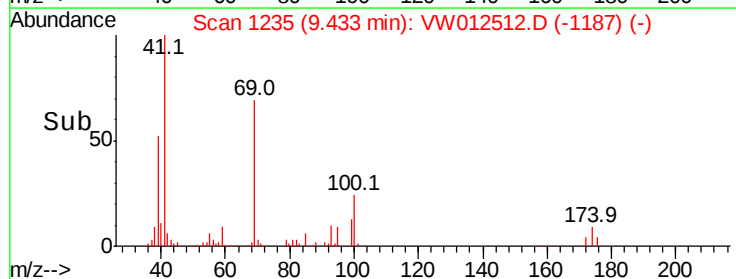
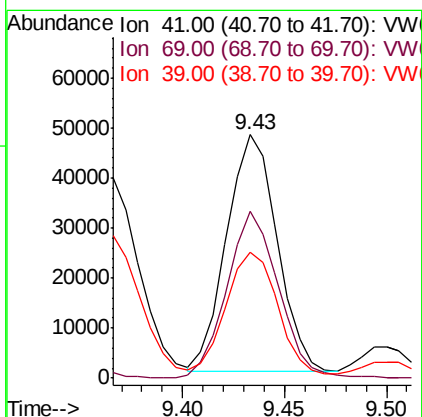
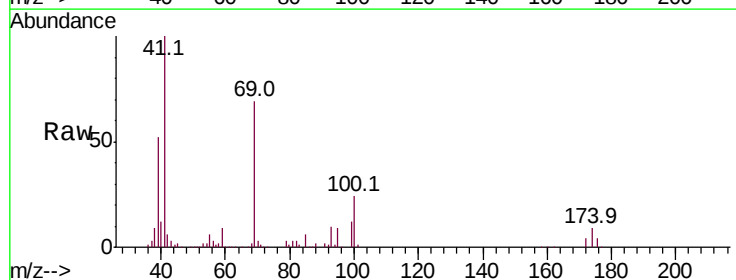
RT: 9.43 min Scan# 1235

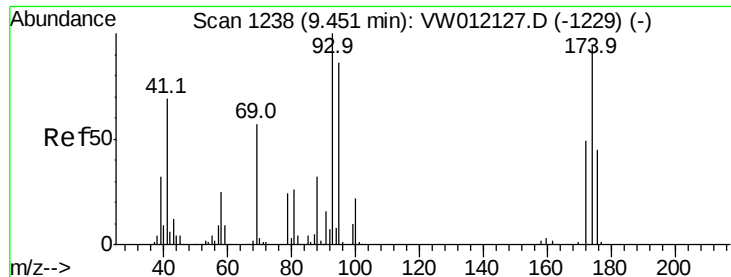
Delta R.T. -0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	41	Resp:	81083
Ion Ratio	Lower	Upper	
41	100		
69	72.7	56.7	85.1
39	56.3	42.0	63.0





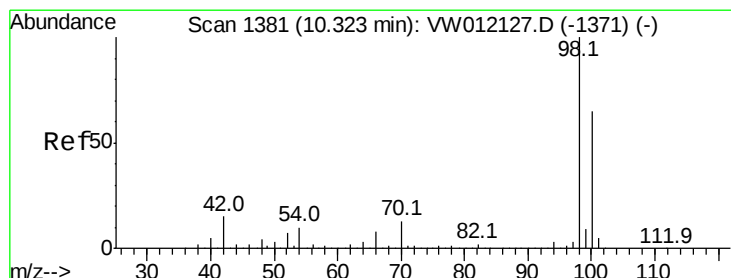
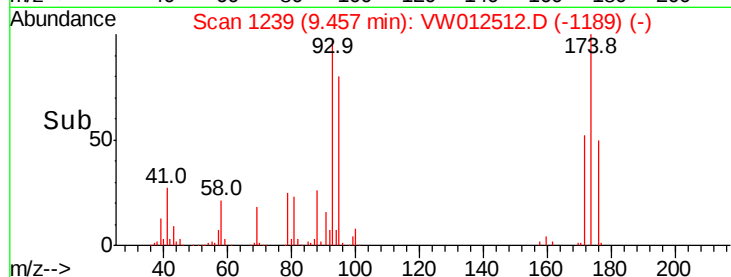
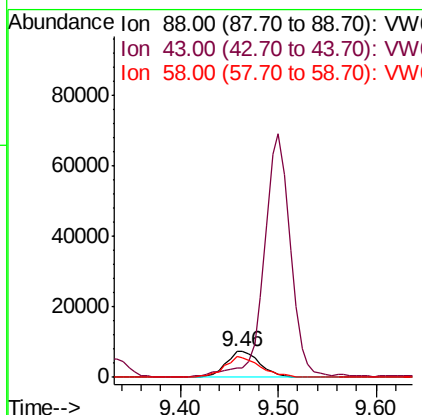
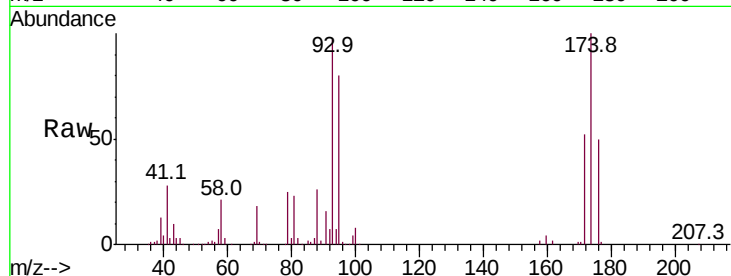
#49
1,4-Dioxane
Concen: 1153.270 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17919
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	84.5	71.0	106.4

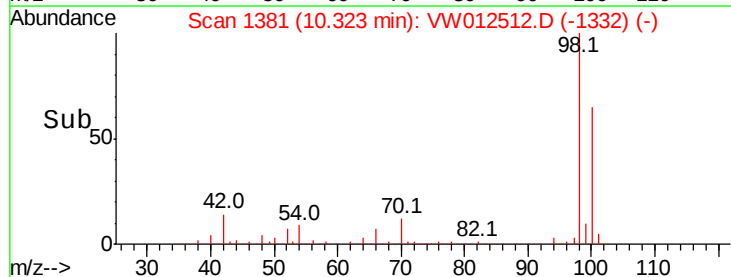
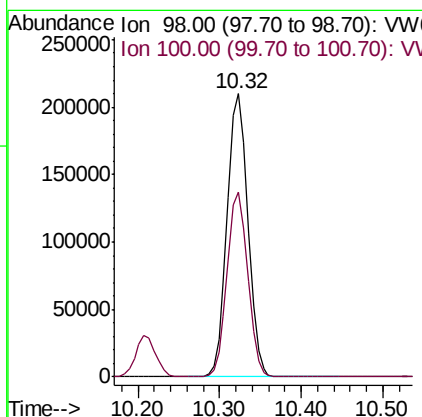
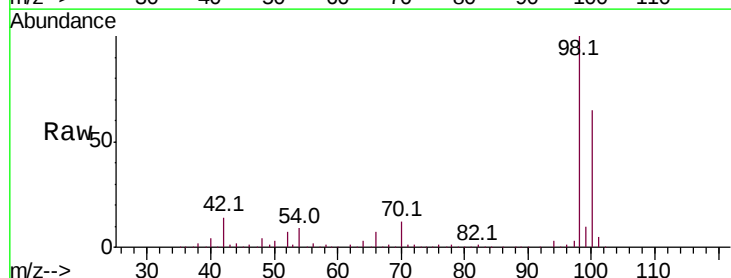
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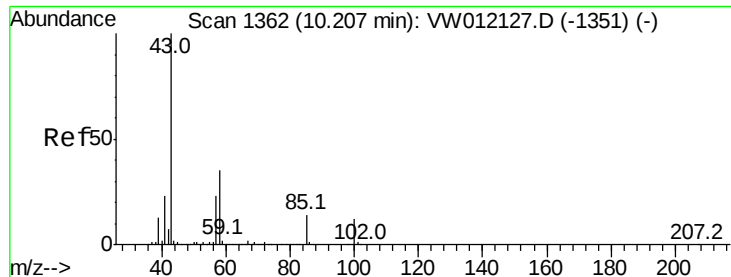
MMDadoda
9/3/2019 10:55:48 AM



#50
Toluene-d8
Concen: 50.694 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	98	Resp	368548
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6





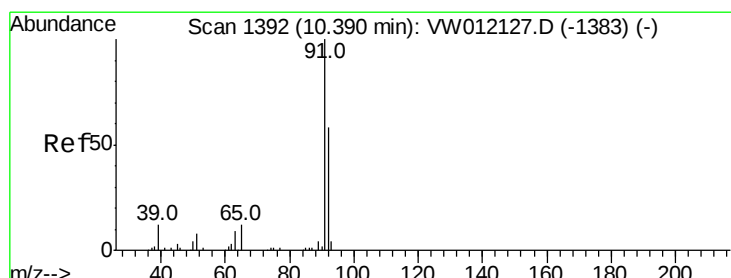
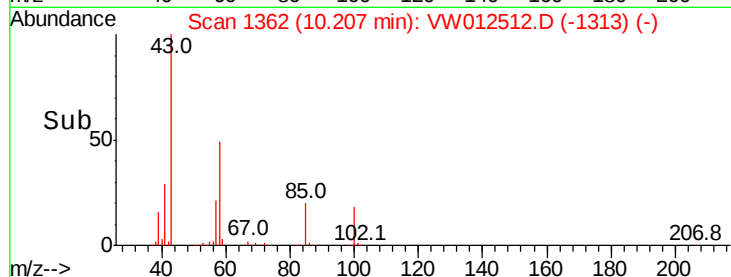
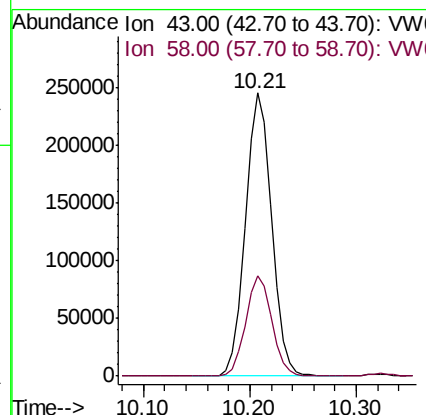
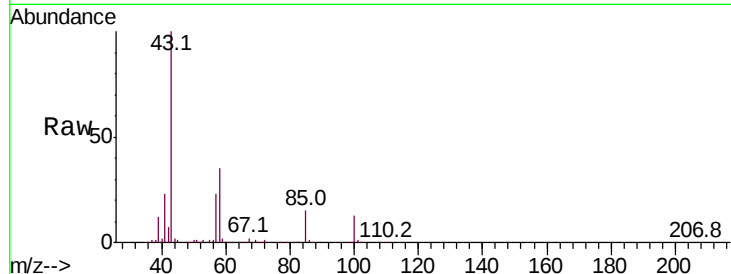
#51
 4-Methyl-2-Pentanone
 Concen: 265.077 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	43	58	Ratio	100	35.4	Resp	424806	Lower	28.2	Upper	42.2
Ion	43	58	Ratio	100	35.4	Resp	424806	Lower	28.2	Upper	42.2

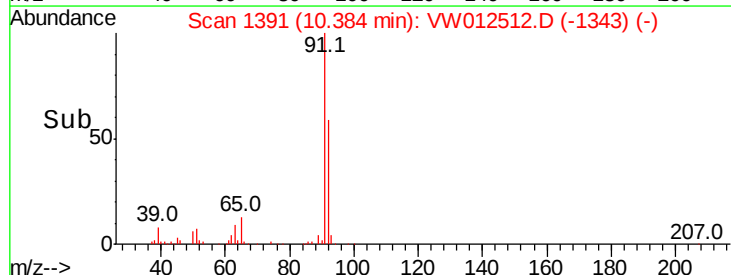
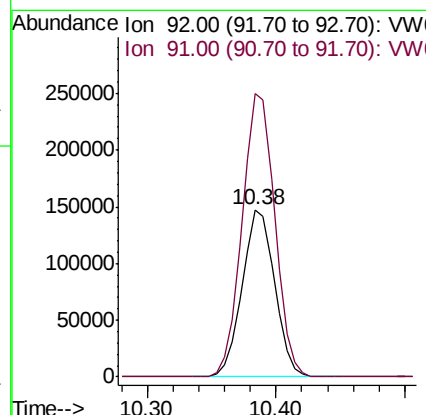
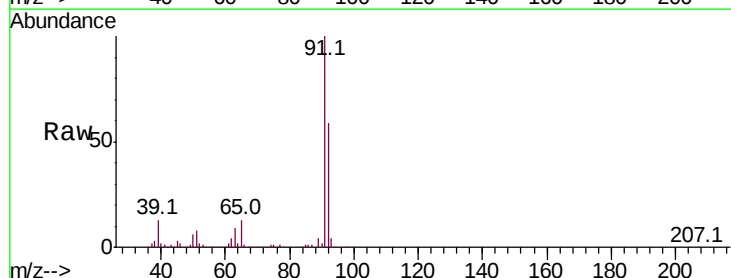
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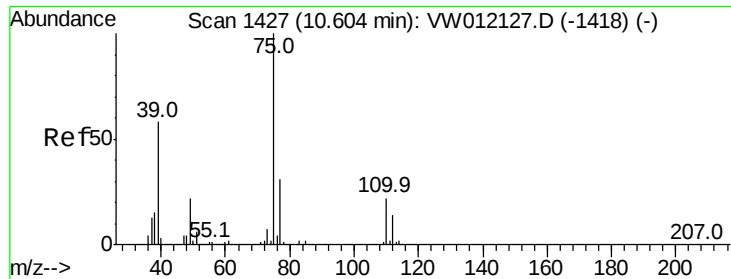
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 9/3/2019 10:55:48 AM



#52
 Toluene
 Concen: 50.344 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion	92	91	Ratio	100	171.5	Resp	256344	Lower	136.6	Upper	204.8
Ion	92	91	Ratio	100	171.5	Resp	256344	Lower	136.6	Upper	204.8





#53

t-1,3-Dichloropropene

Concen: 52.259 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 143791

Ion Ratio Lower Upper

75 100

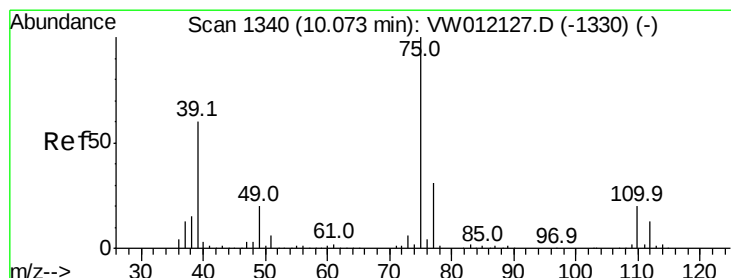
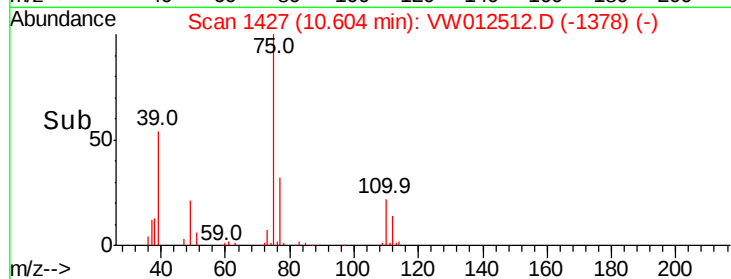
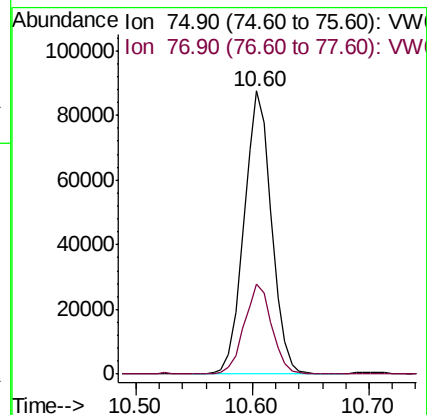
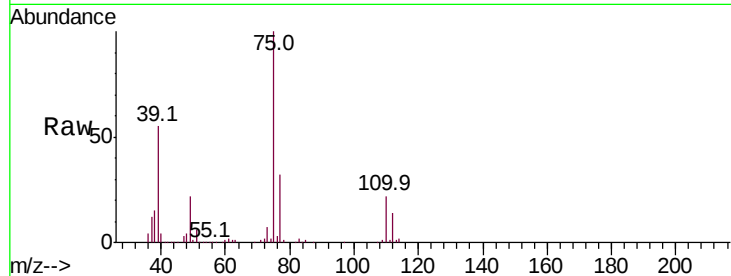
77 31.9 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:55:48 AM



#54

cis-1,3-Dichloropropene

Concen: 51.350 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

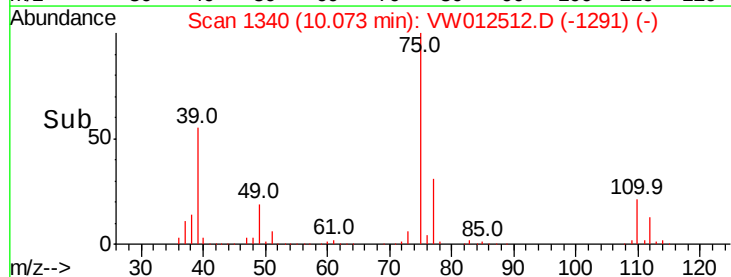
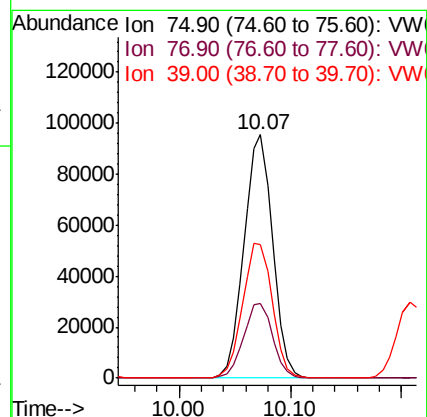
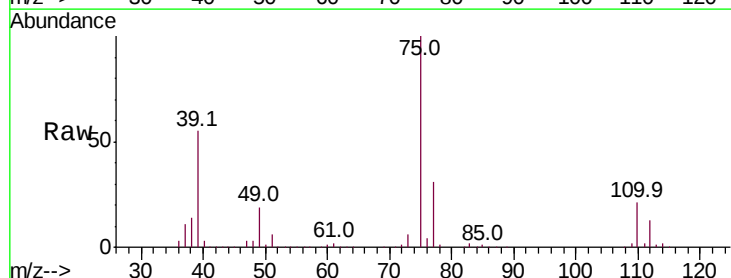
Tgt Ion: 75 Resp: 170599

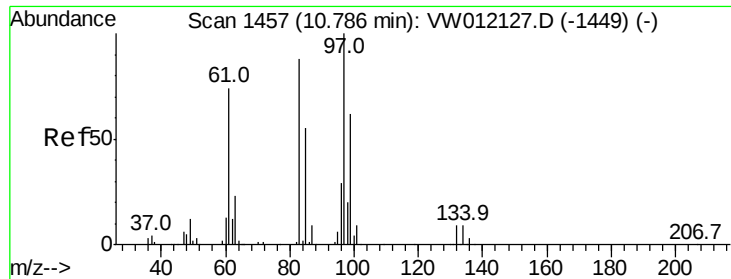
Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 55.0 48.3 72.5





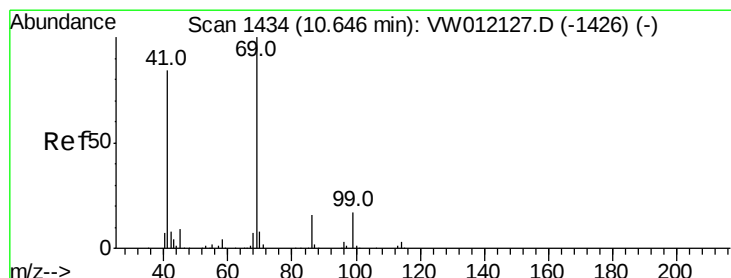
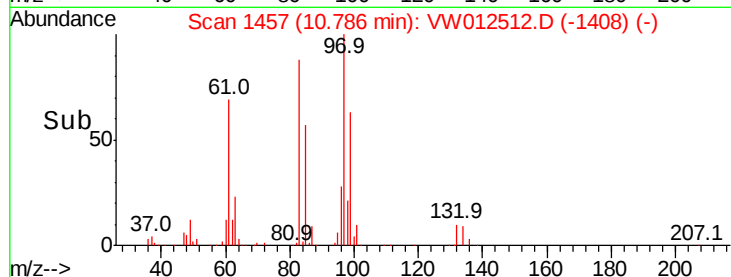
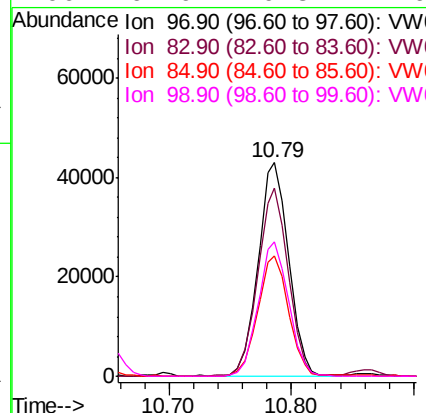
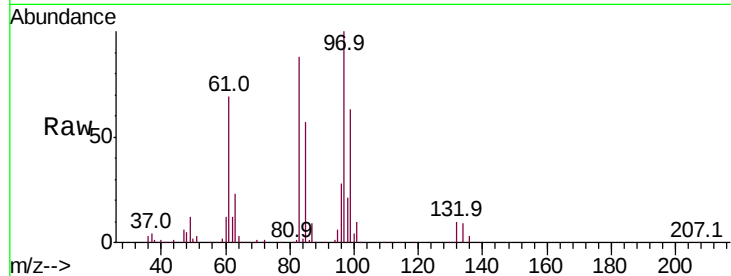
#55
 1,1,2-Trichloroethane
 Concen: 52.341 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	75162
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	56.3	43.8	65.8
99	62.9	49.8	74.6

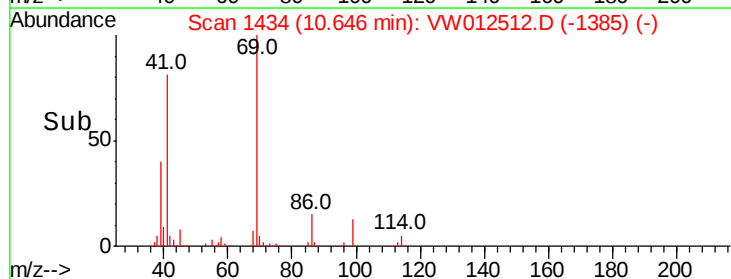
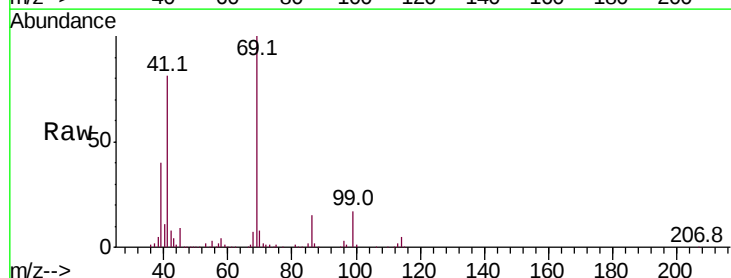
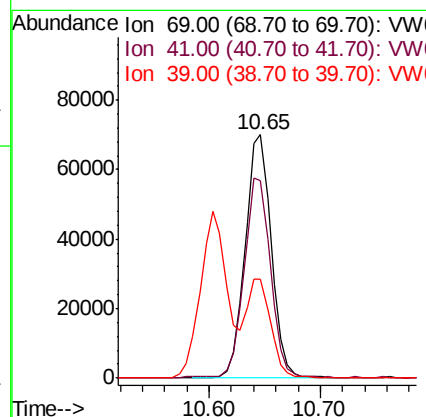
Manual Integrations
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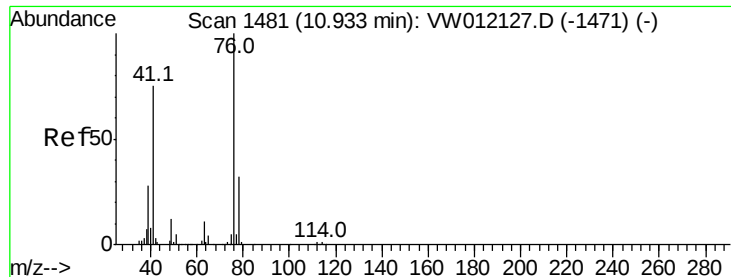
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 9/3/2019 10:55:48 AM



#56
 Ethyl methacrylate
 Concen: 54.465 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion:	69	Resp:	113830
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.573 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 142667

Ion Ratio Lower Upper

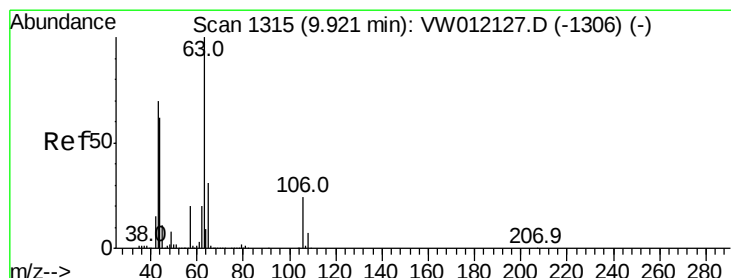
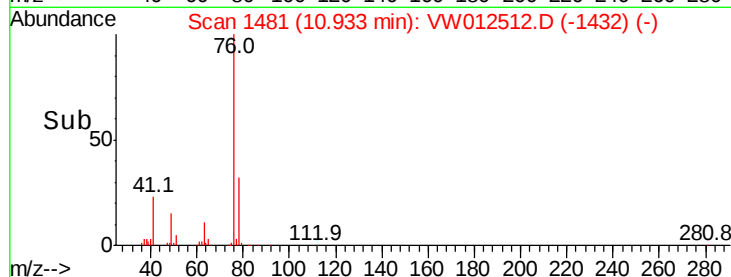
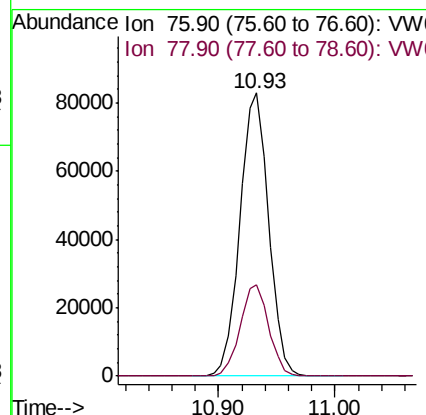
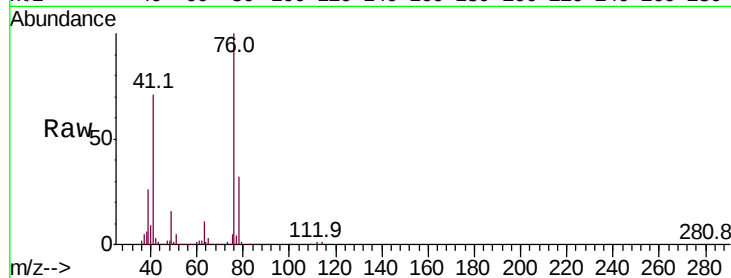
76 100

78 32.1 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 283.347 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012512.D

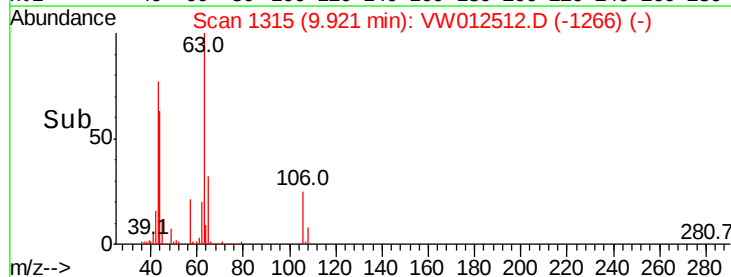
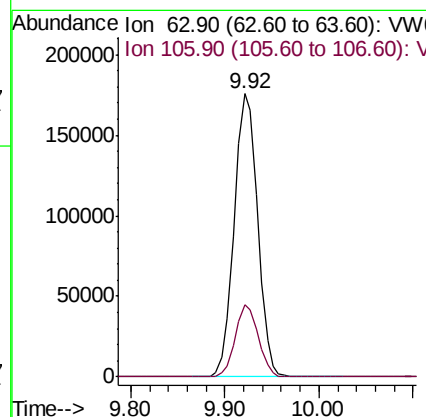
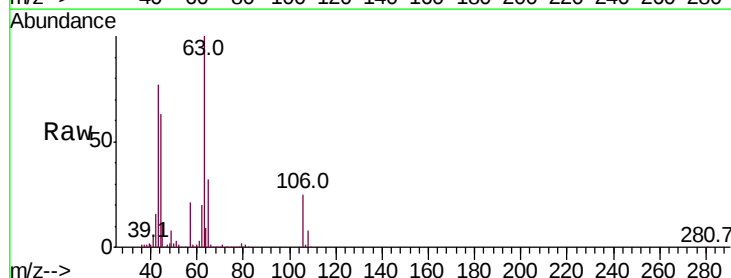
Acq: 02 Sep 2019 21:42

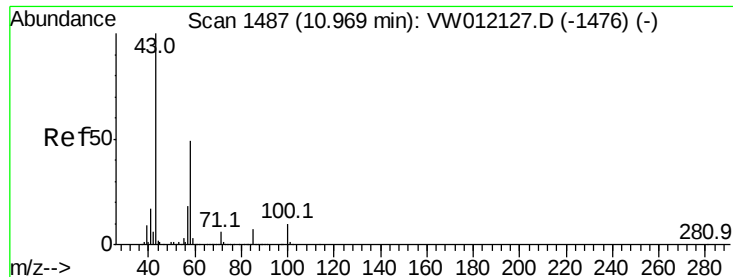
Tgt Ion: 63 Resp: 303925

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.8





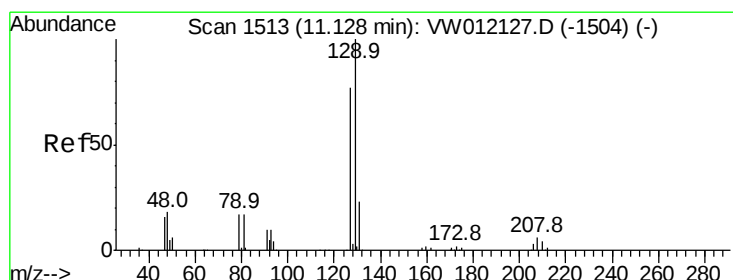
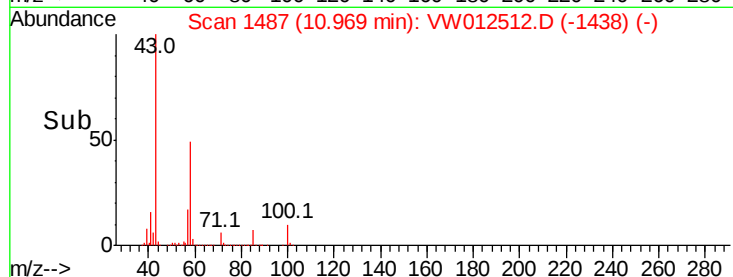
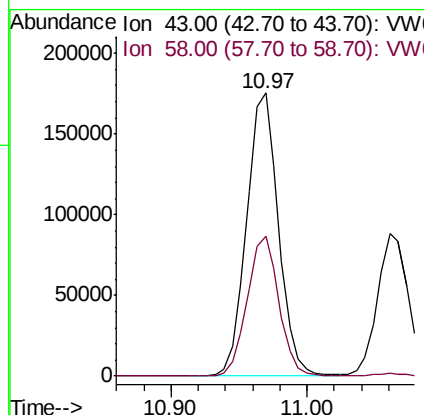
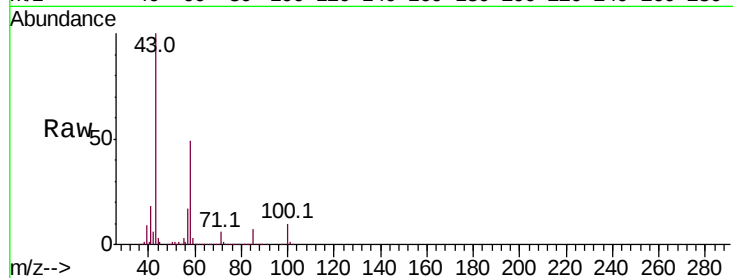
#59
2-Hexanone
Concen: 253.138 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.3	72.9

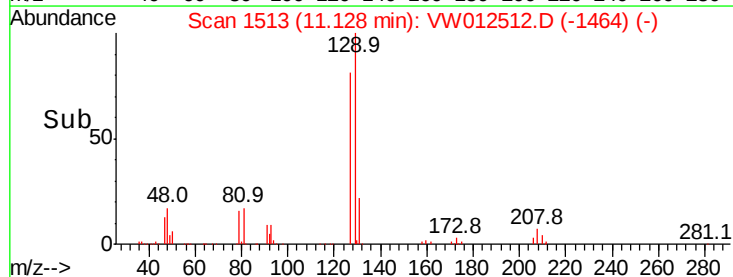
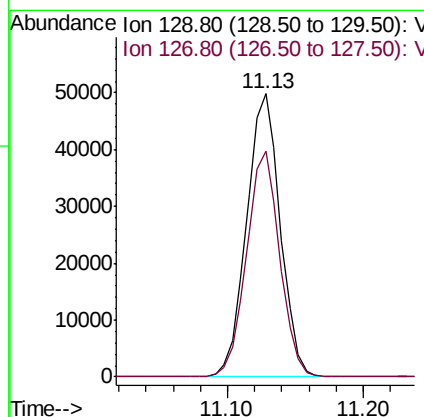
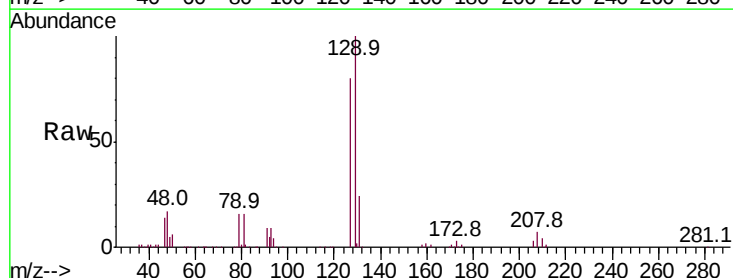
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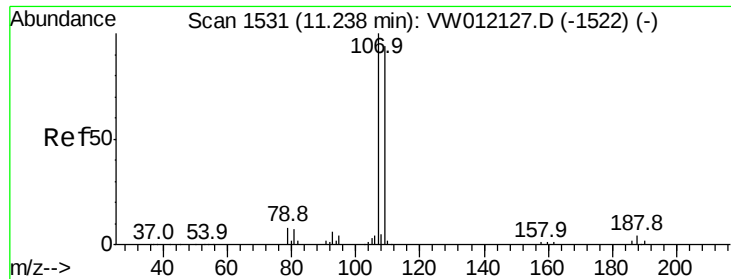
MMDadoda
9/3/2019 10:55:48 AM



#60
Dibromochloromethane
Concen: 53.837 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.6	115.8





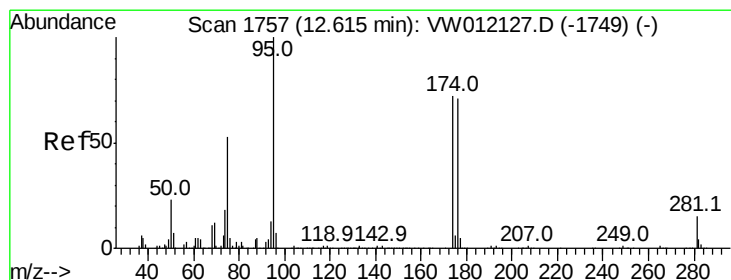
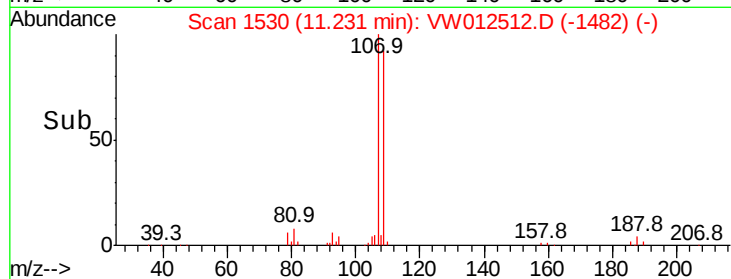
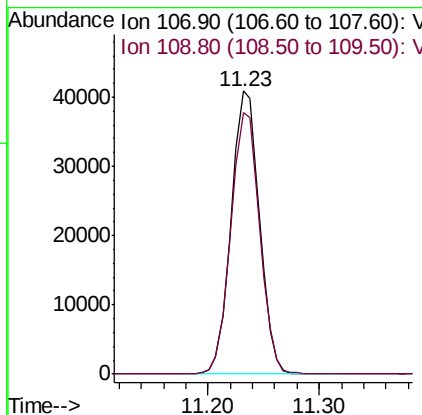
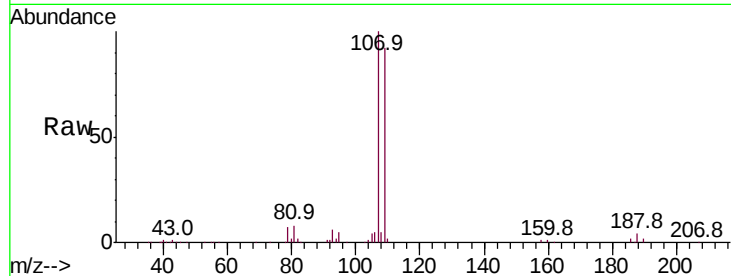
#61
 1,2-Dibromoethane
 Concen: 53.748 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

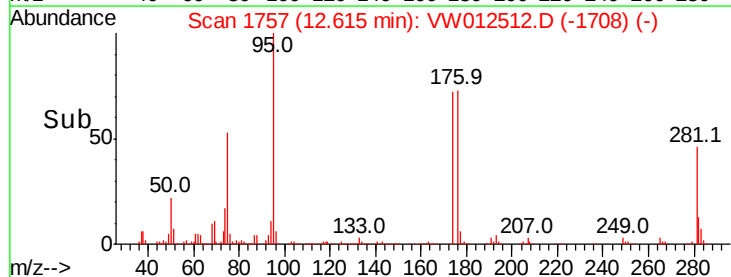
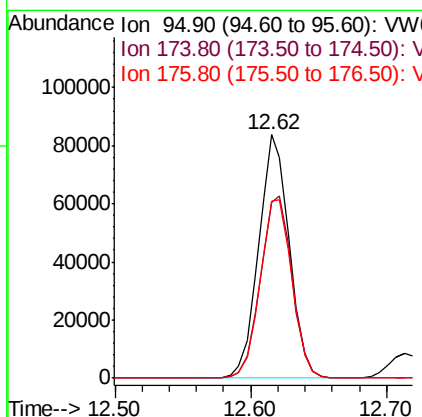
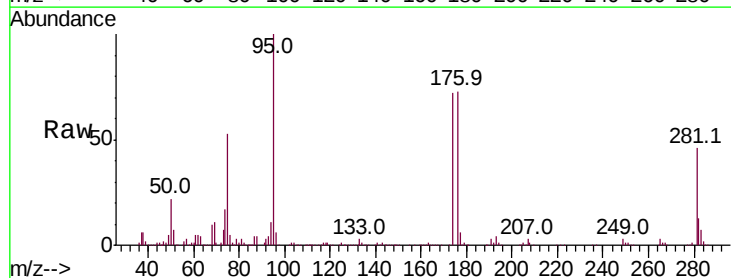
Manual Integrations
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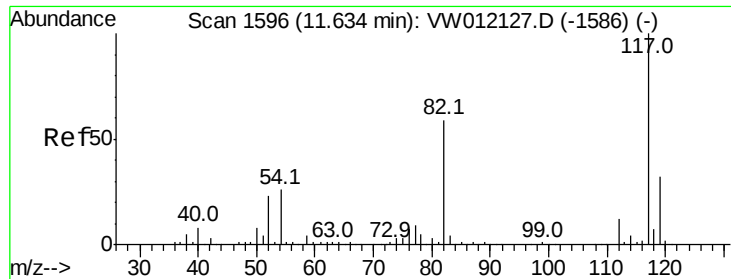
MMDadoda
 9/3/2019 10:55:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.406 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	150.8
176	76.4	0.0	148.6





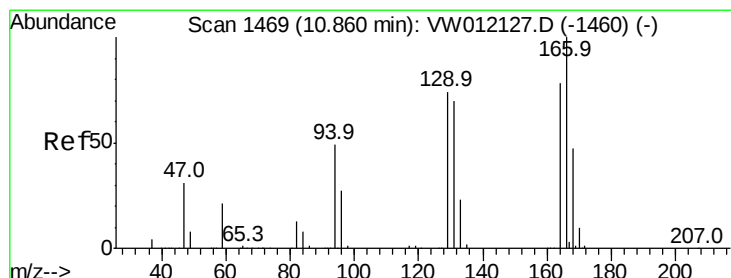
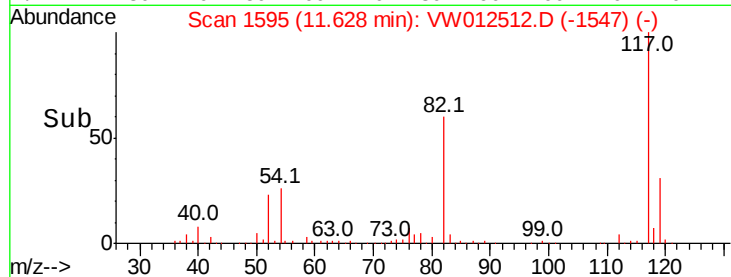
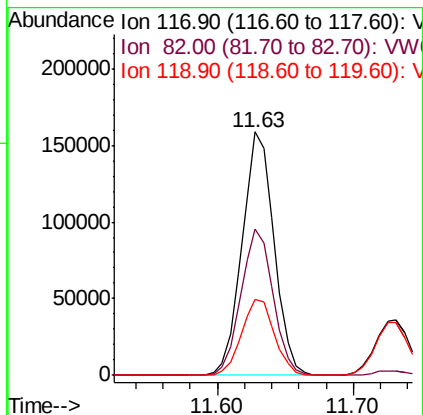
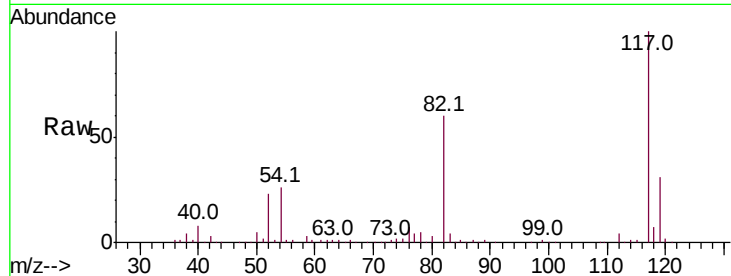
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261189		
82	60.1	47.4	71.2	
119	31.1	25.4	38.2	

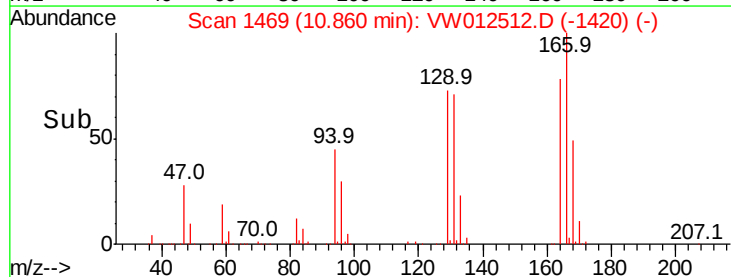
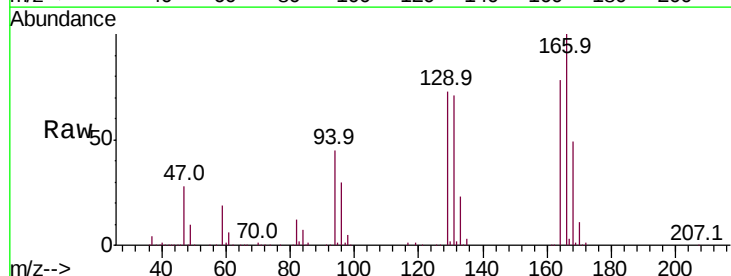
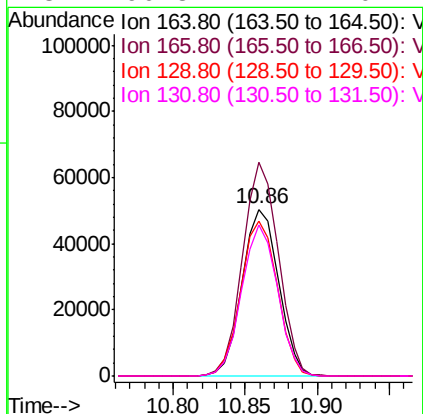
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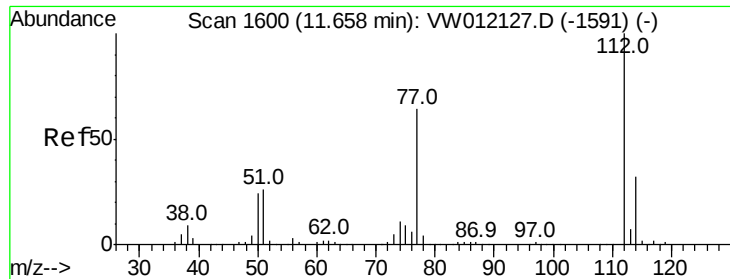
MMDadoda
9/3/2019 10:55:48 AM



#64
Tetrachloroethene
Concen: 52.181 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88362		
166	128.2	102.4	153.6	
129	93.3	75.8	113.6	
131	90.8	71.4	107.2	





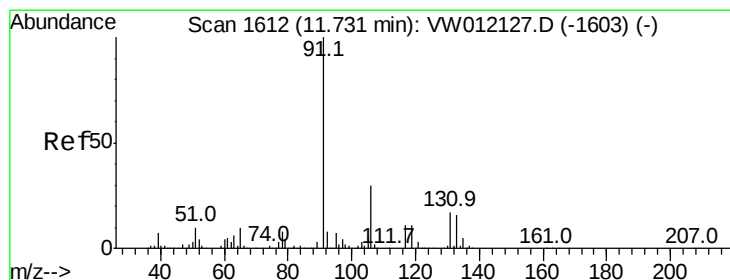
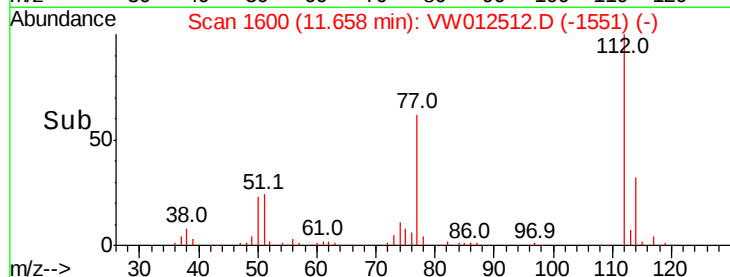
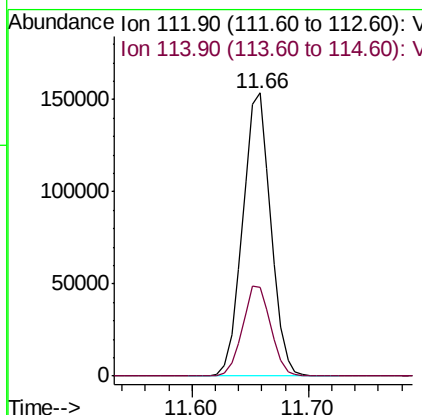
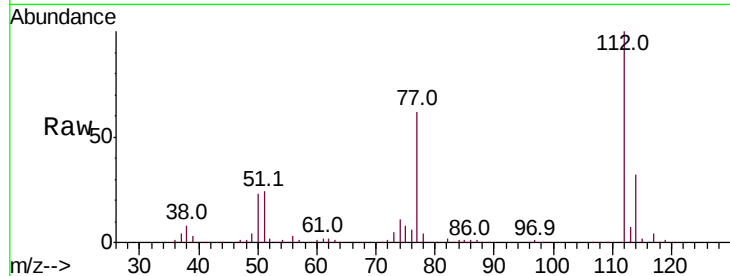
#65
Chlorobenzene
Concen: 50.331 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 258854
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

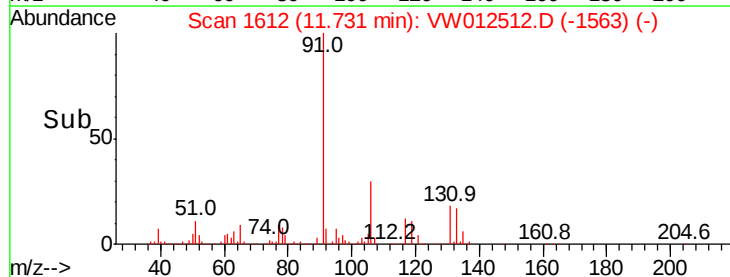
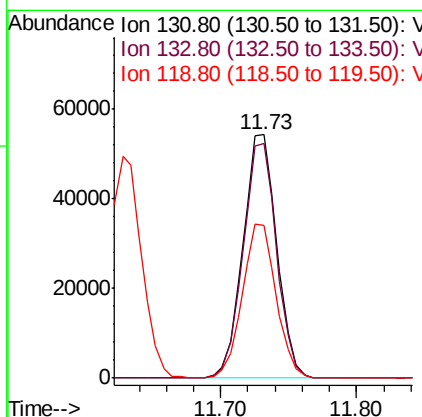
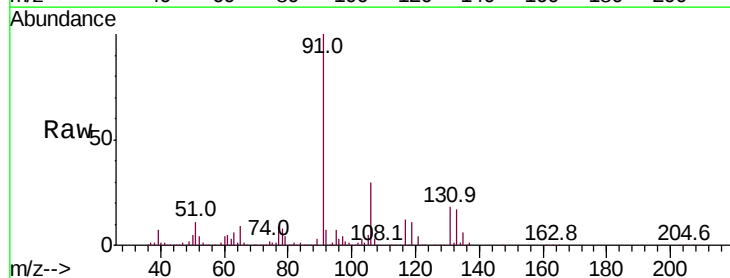
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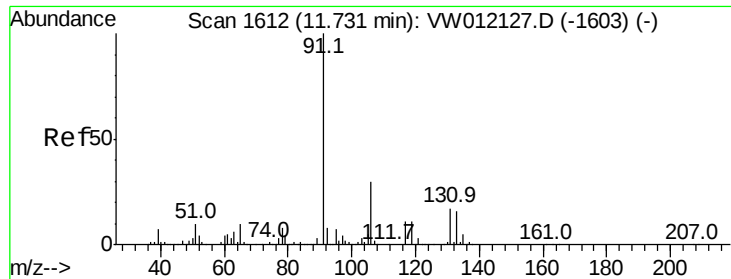
MMDadoda
9/3/2019 10:55:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.645 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion:131 Resp: 94456
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 63.1 31.8 95.3





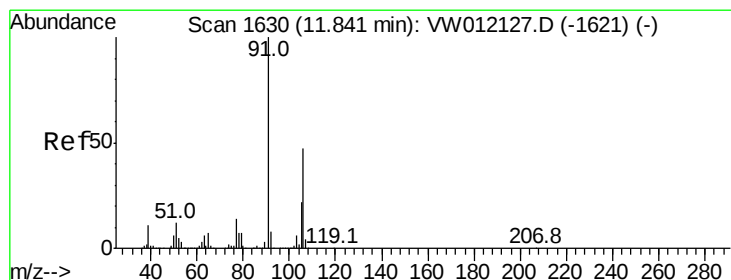
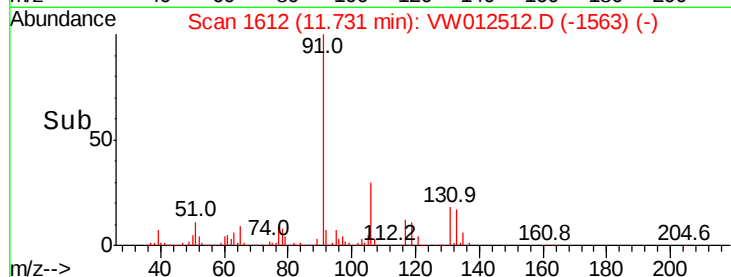
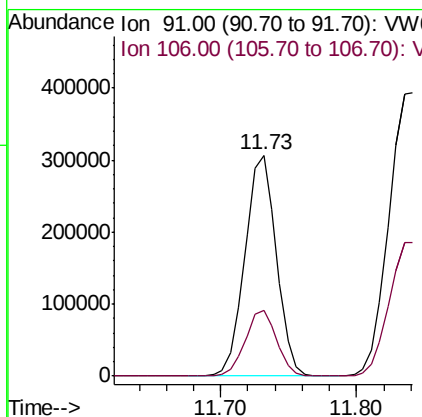
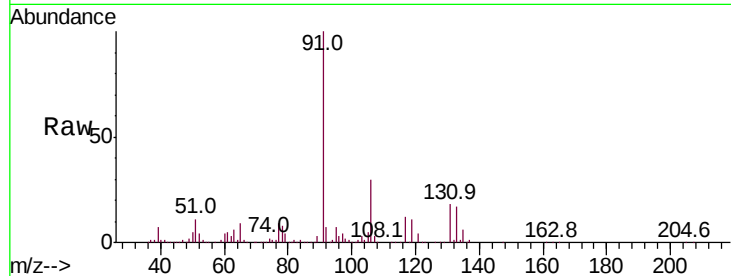
#67
Ethyl Benzene
Concen: 50.052 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 495878
Ion Ratio Lower Upper
91 100
106 29.5 24.3 36.5

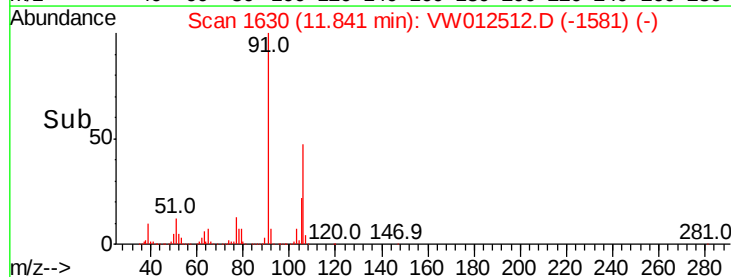
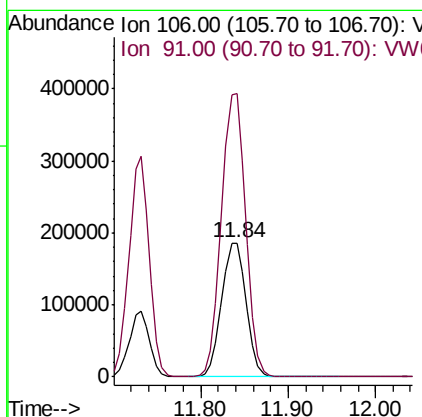
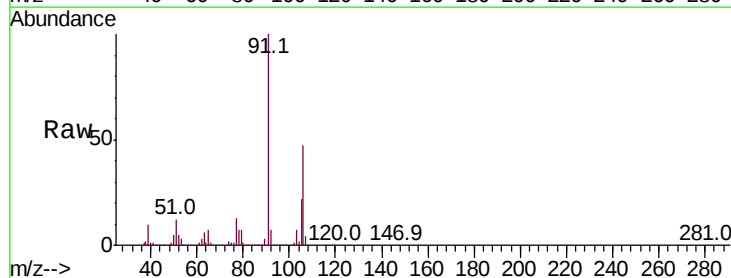
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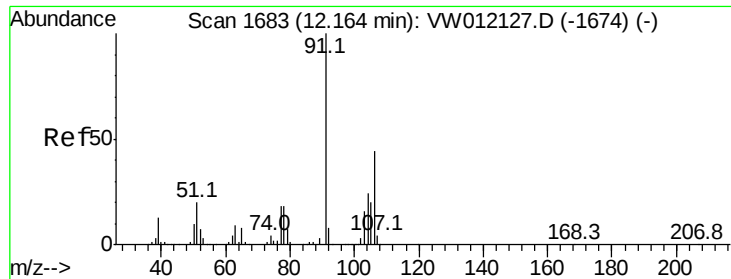
MMDadoda
9/3/2019 10:55:48 AM



#68
m/p-Xylenes
Concen: 100.855 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion: 106 Resp: 359920
Ion Ratio Lower Upper
106 100
91 210.2 169.5 254.3





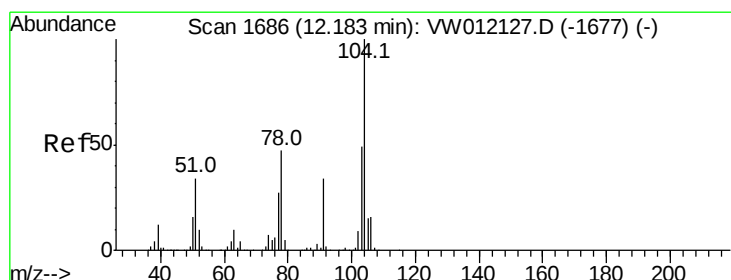
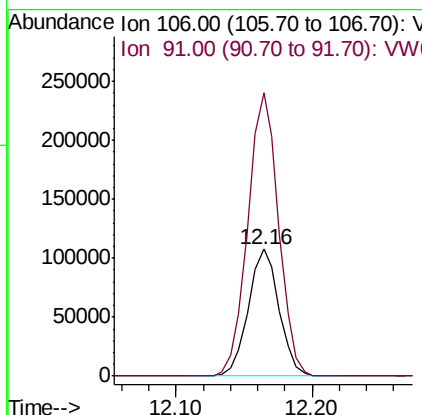
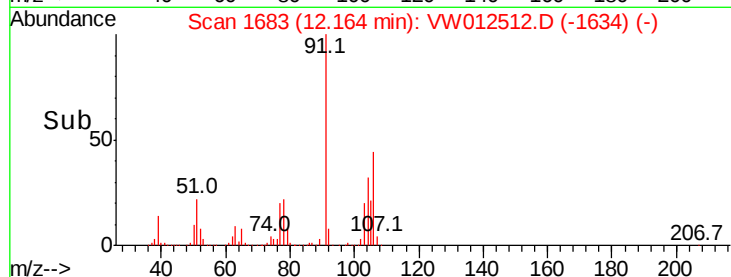
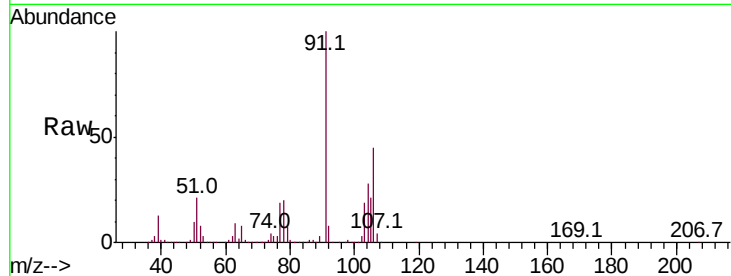
#69
o-Xylene
Concen: 51.609 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.3	111.6	334.6

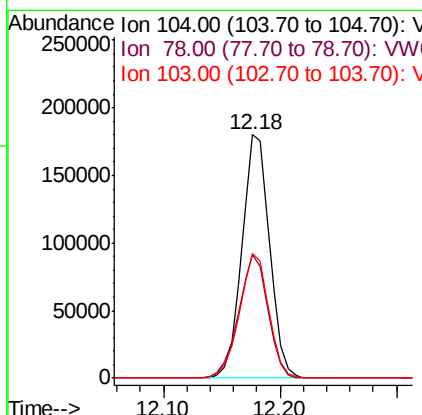
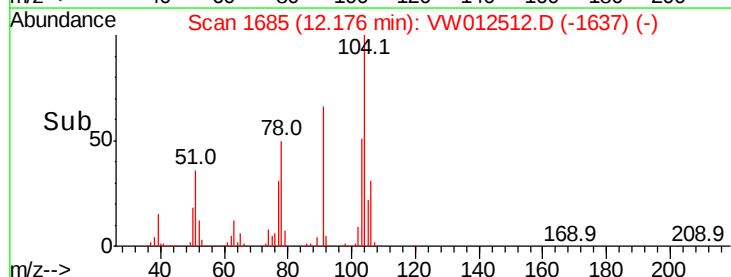
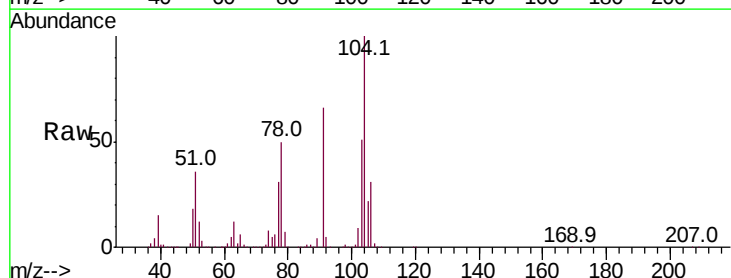
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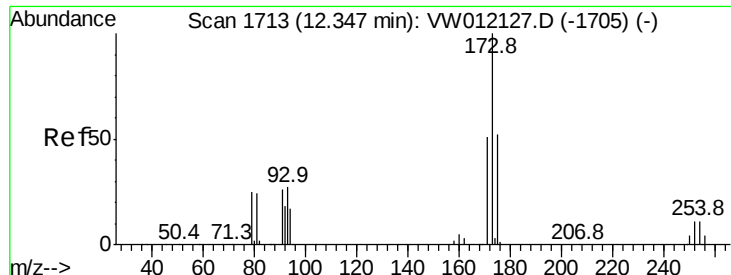
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#70
Styrene
Concen: 52.099 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.1	64.7
103	54.2	43.5	65.3





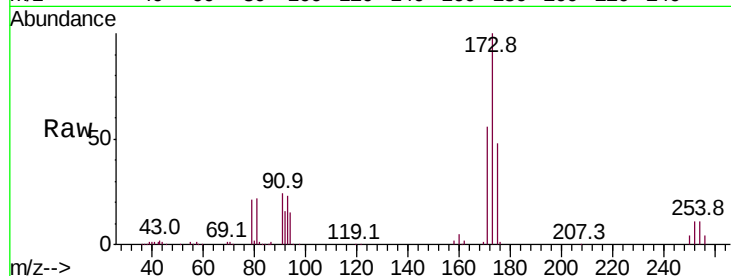
#71
Bromoform
Concen: 56.430 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.2	0.2

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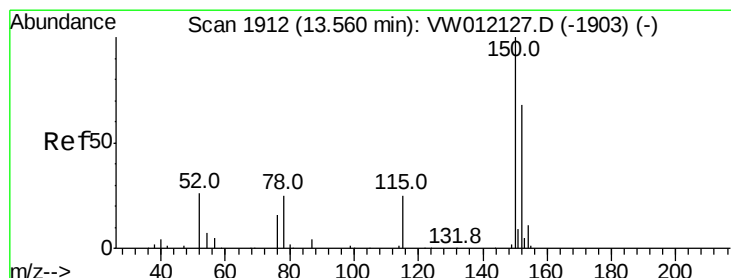
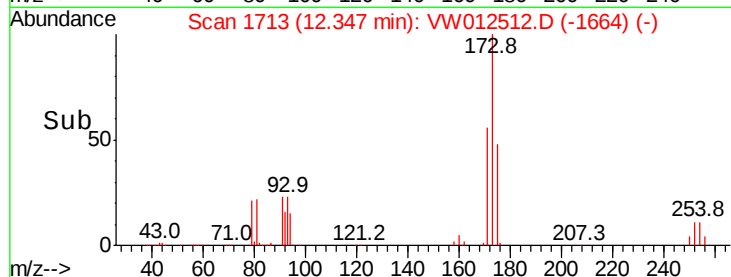
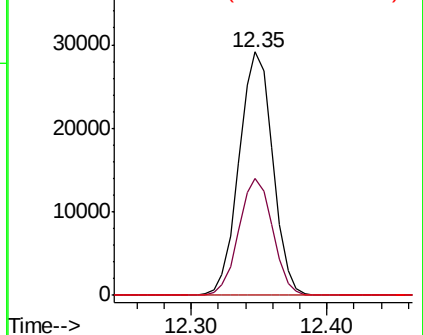


Abundance

Ion 172.70 (172.40 to 173.40): V

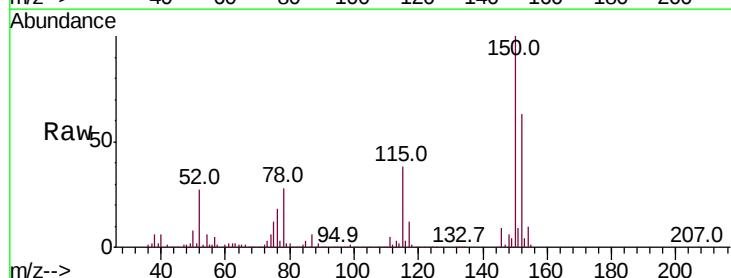
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.1	90.3
150	173.6	0.0	345.8

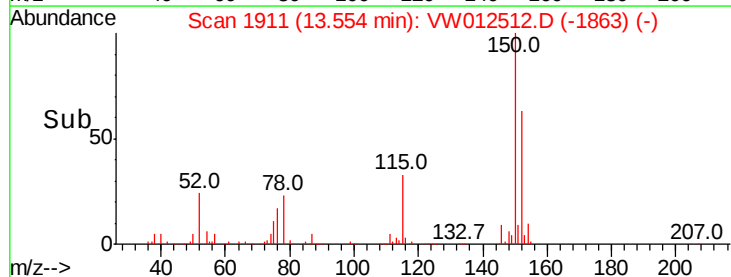
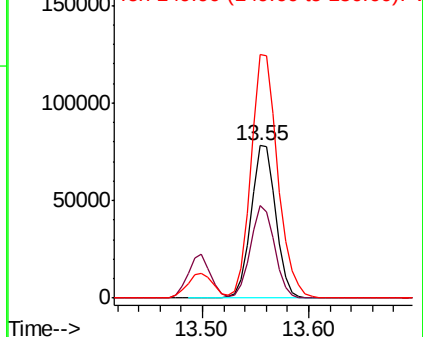


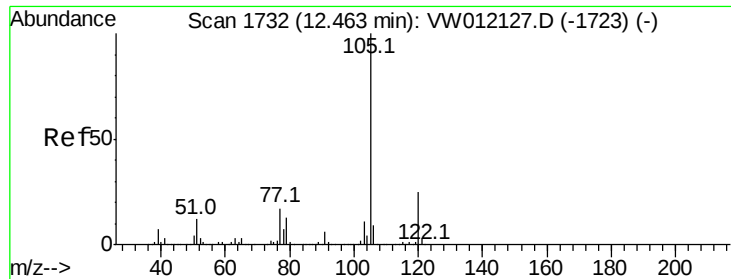
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.833 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 474231

Ion Ratio Lower Upper

105 100

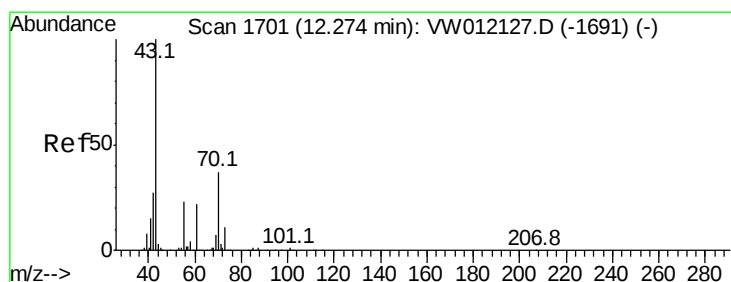
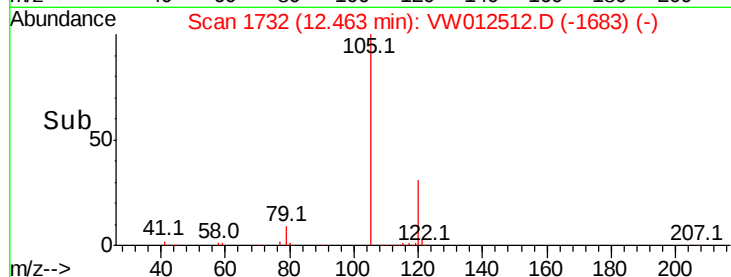
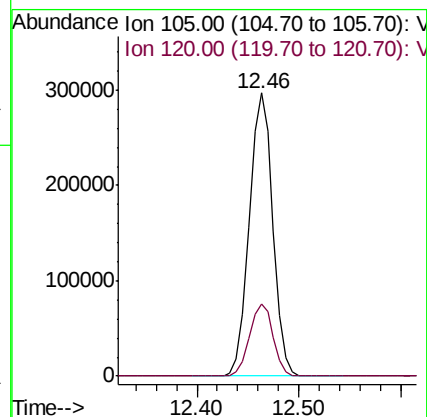
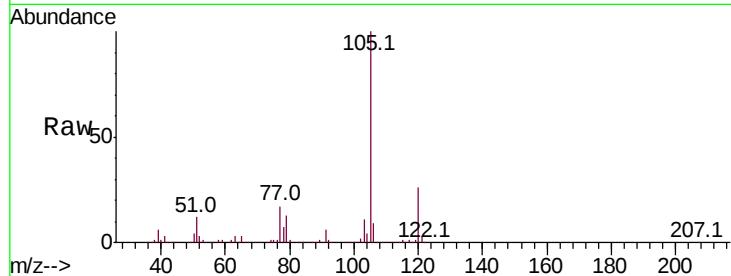
120 25.7 12.5 37.5

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#74

N-ethyl acetate

Concen: 51.988 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion: 43 Resp: 149473

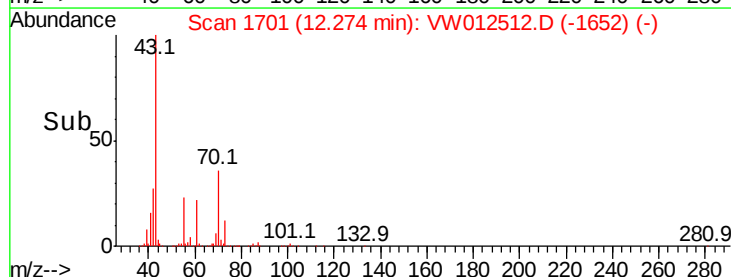
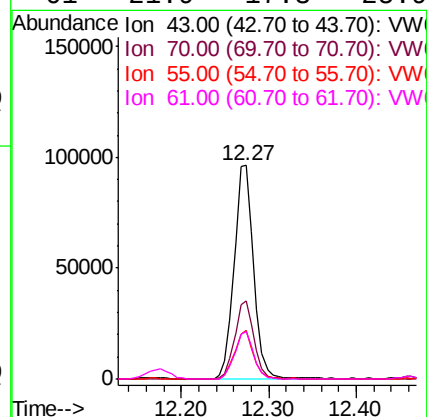
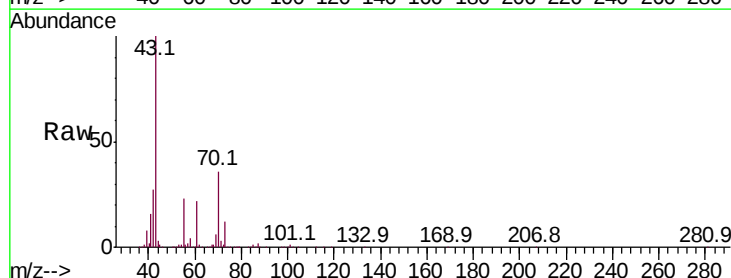
Ion Ratio Lower Upper

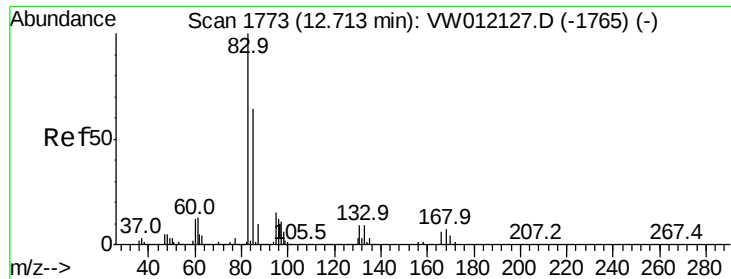
43 100

70 35.8 28.6 43.0

55 21.8 17.8 26.6

61 21.9 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.331 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

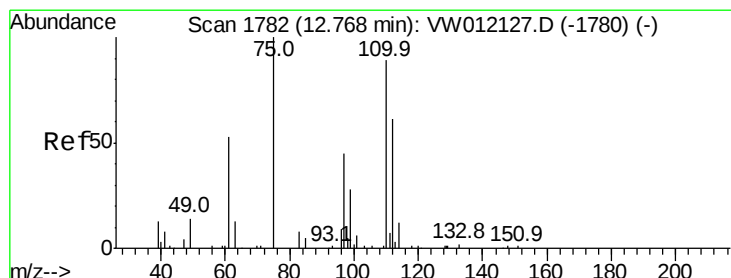
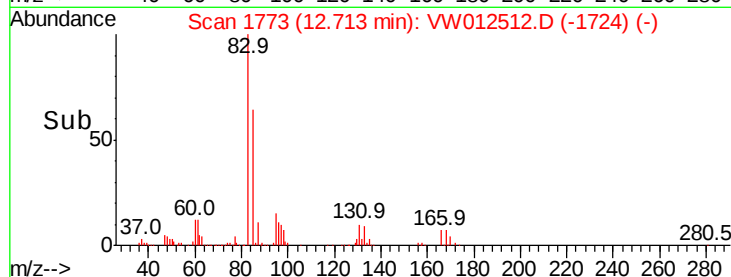
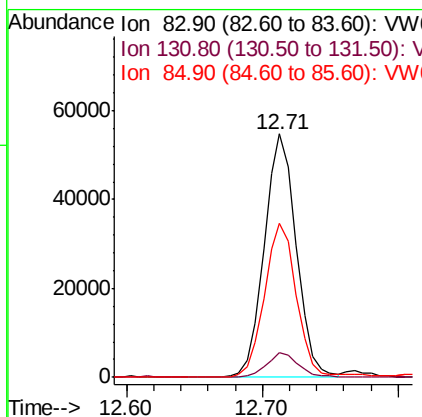
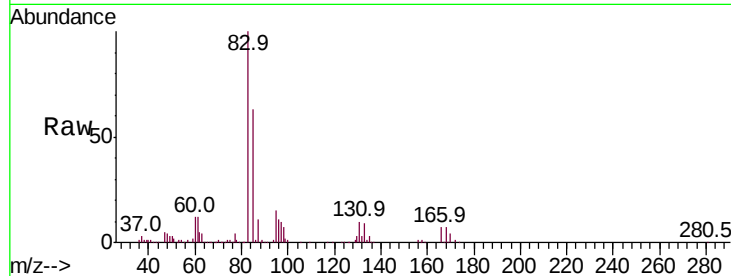
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	89554
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	63.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.056 ug/l m

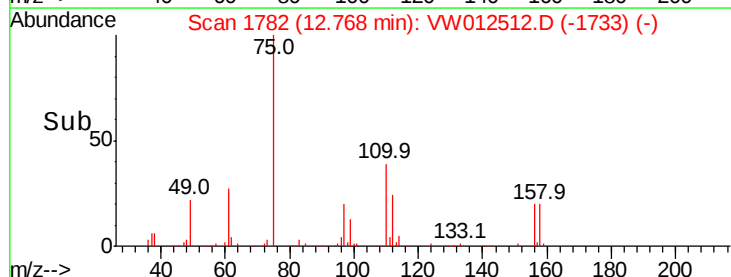
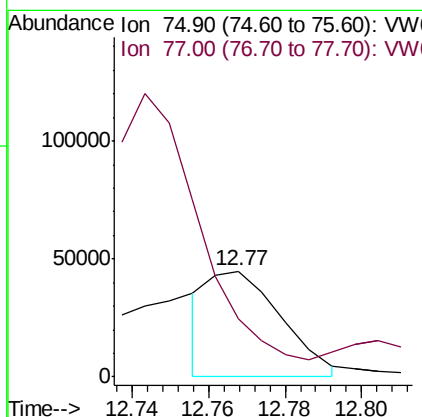
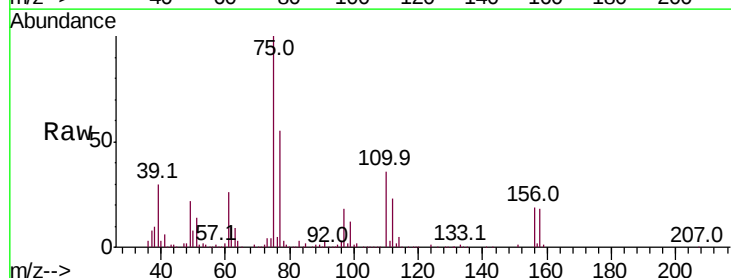
RT: 12.77 min Scan# 1782

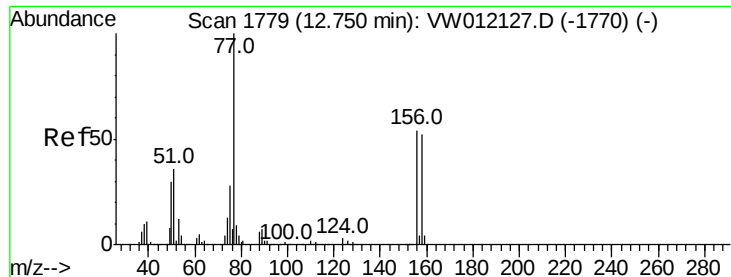
Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	75	Resp:	59440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.295 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 105605

Ion Ratio Lower Upper

156 100

77 209.0 107.3 321.8

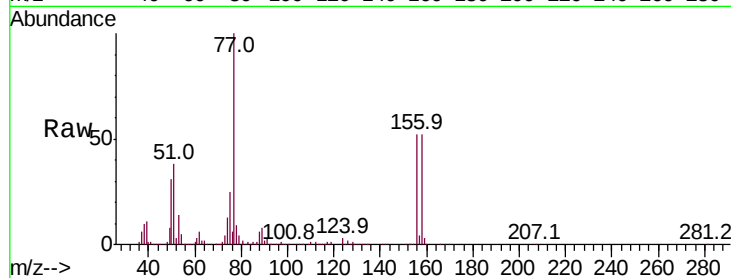
158 97.3 49.0 147.0

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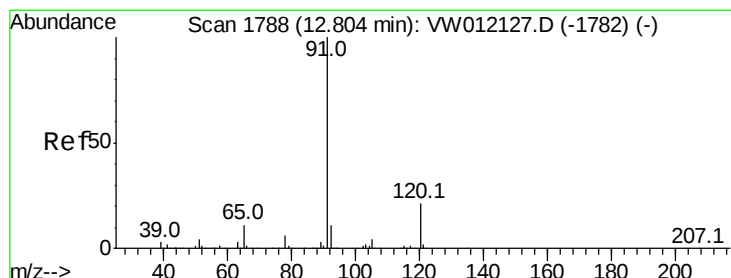
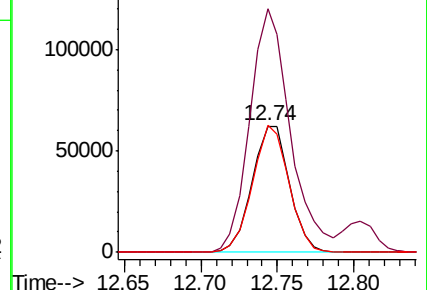
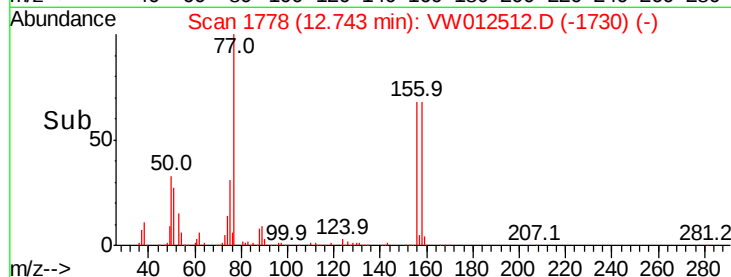
9/3/2019 10:55:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.836 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012512.D

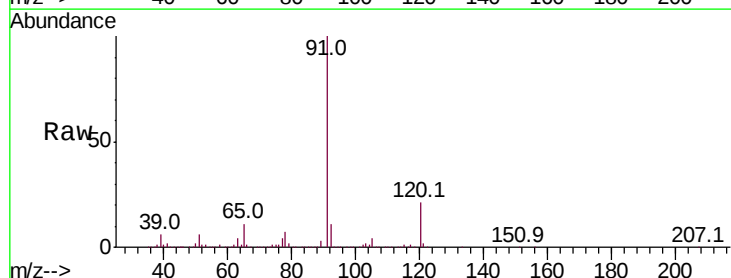
Acq: 02 Sep 2019 21:42

Tgt Ion: 91 Resp: 567357

Ion Ratio Lower Upper

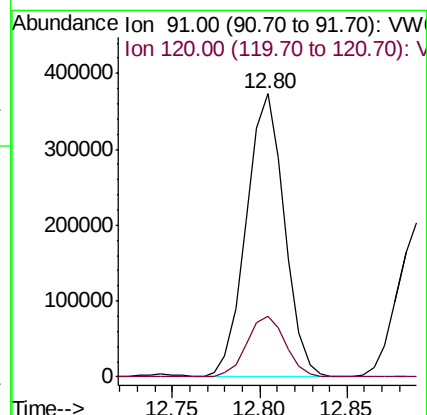
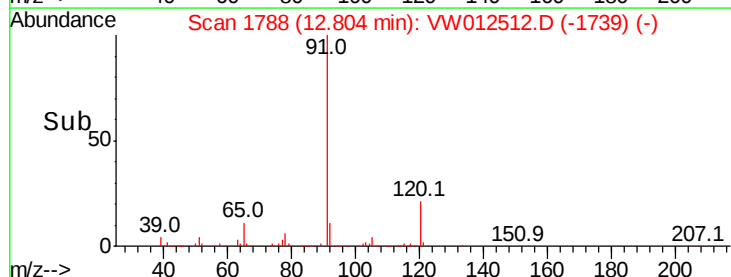
91 100

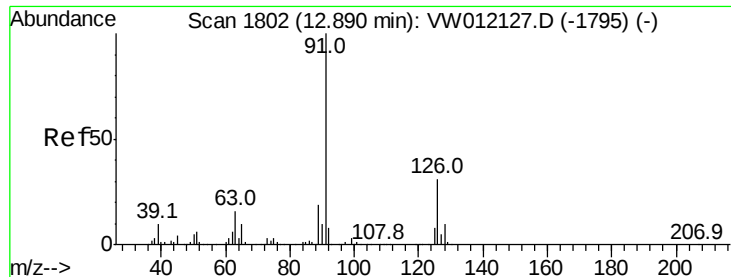
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





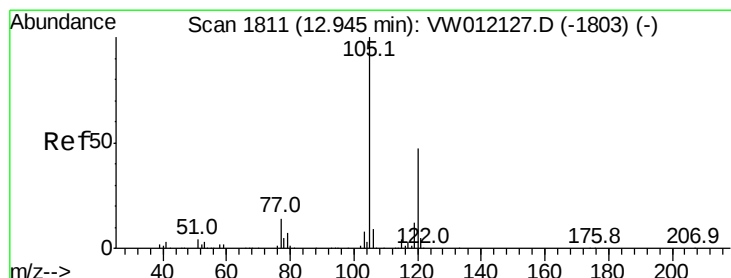
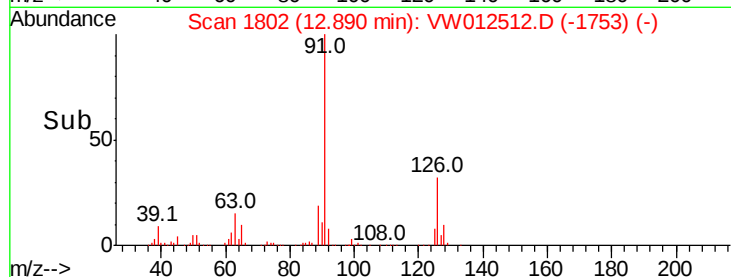
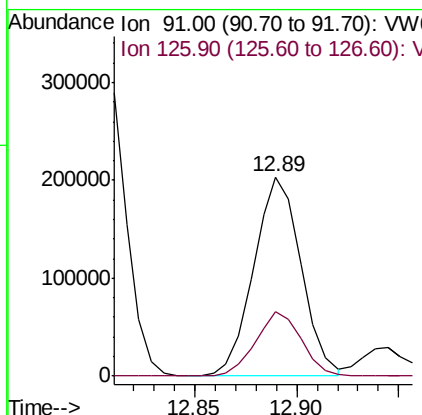
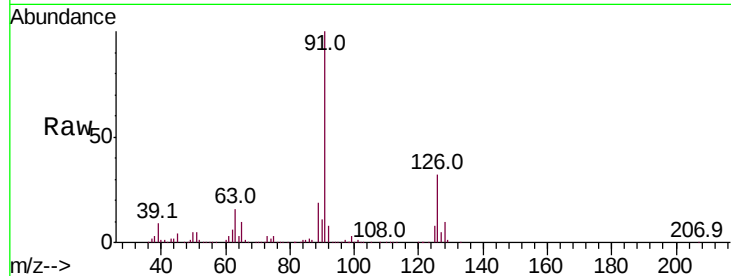
#79
 2-Chlorotoluene
 Concen: 49.563 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.0

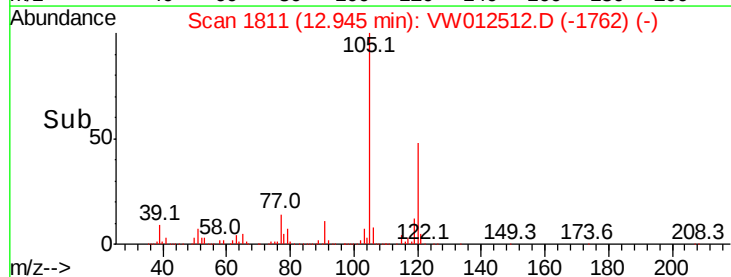
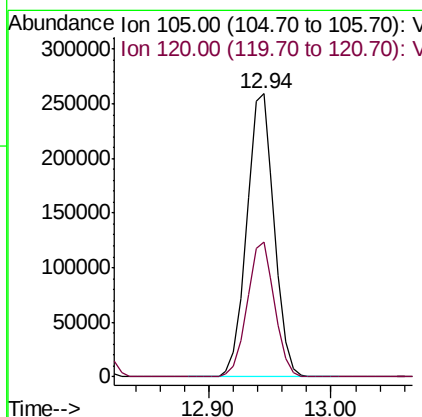
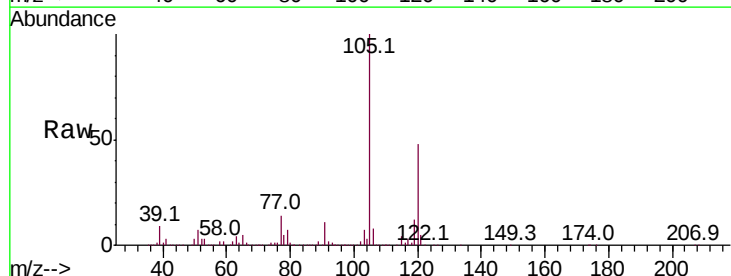
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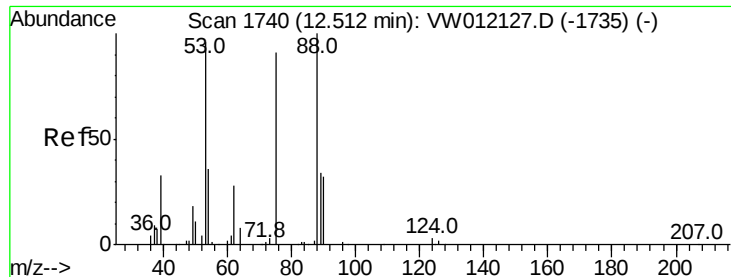
MMDadoda
 9/3/2019 10:55:48 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.513 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.464 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

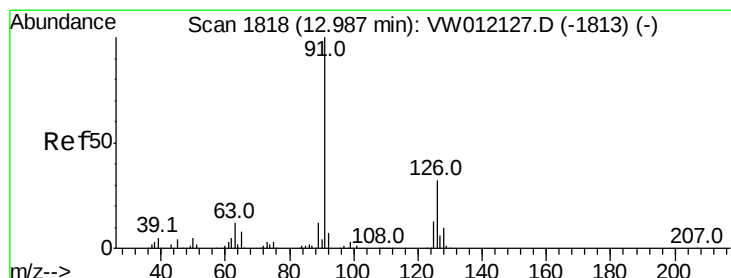
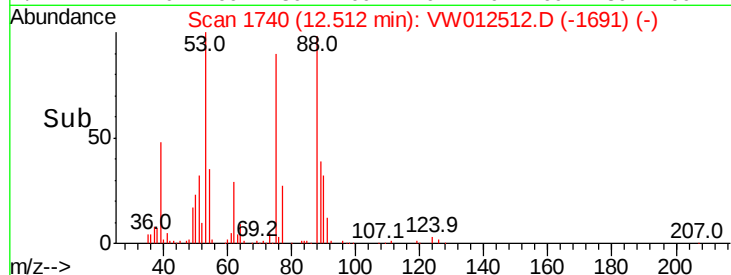
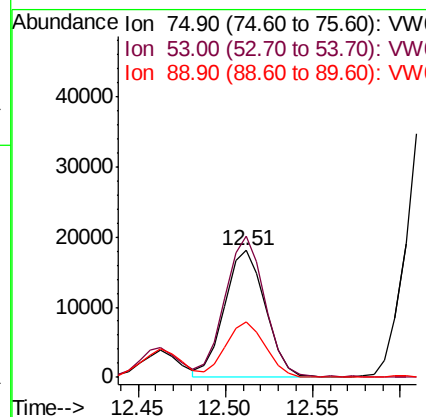
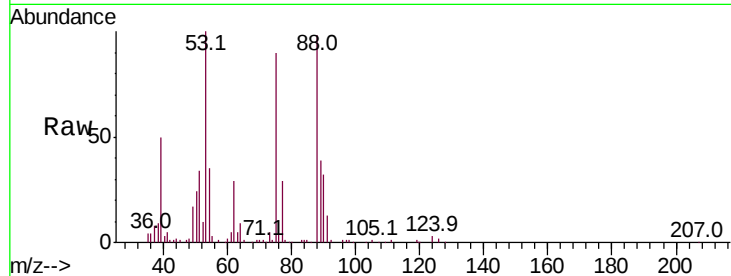
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	29033
Ion	Ratio	Lower	Upper
75	100		
53	108.6	89.4	134.0
89	42.9	34.5	51.7

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#82

4-Chlorotoluene

Concen: 49.150 ug/l

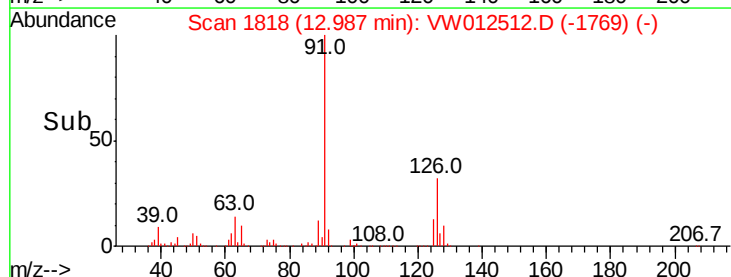
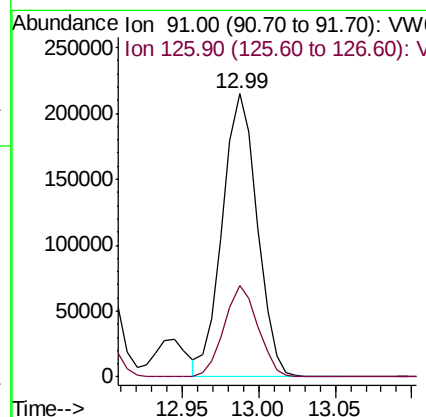
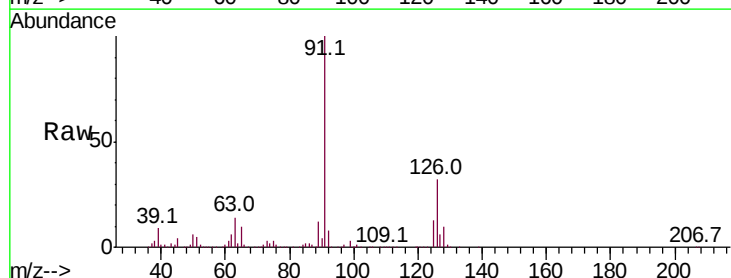
RT: 12.99 min Scan# 1818

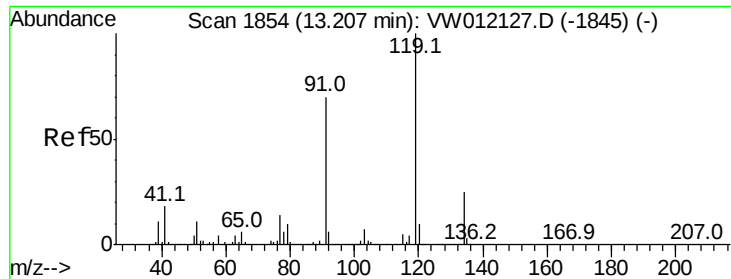
Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	91	Resp:	339442
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





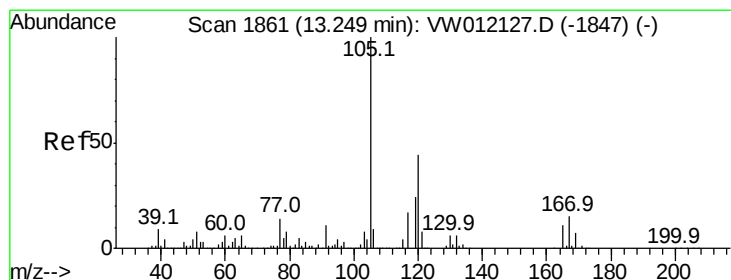
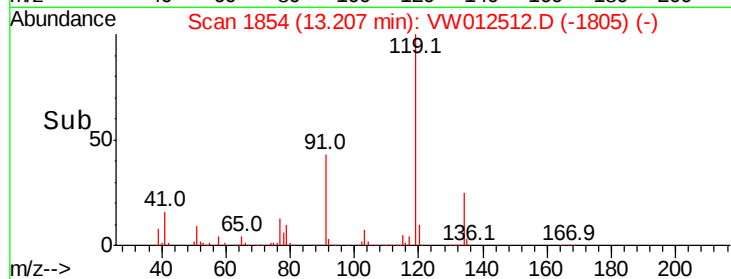
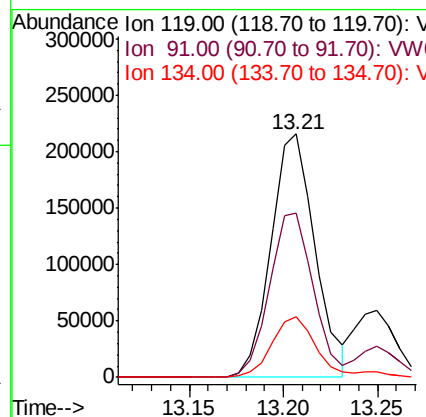
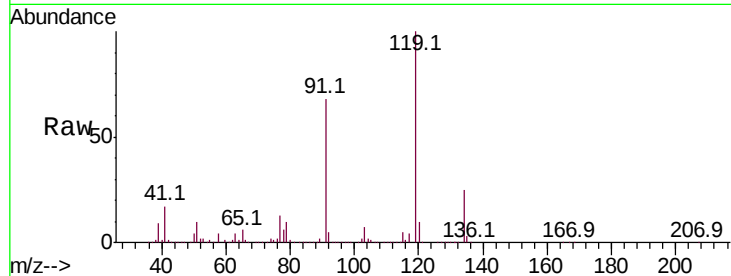
#83
tert-Butylbenzene
Concen: 51.923 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	349745		
91	67.0	34.8	104.3	
134	24.5	13.3	39.8	

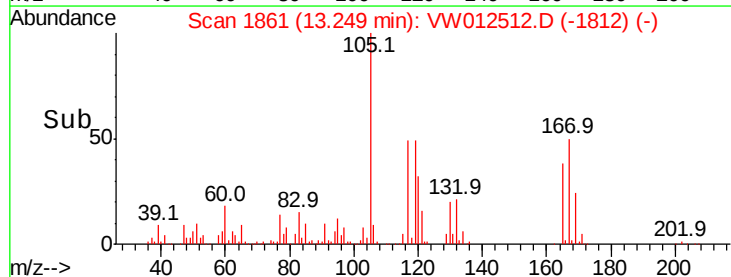
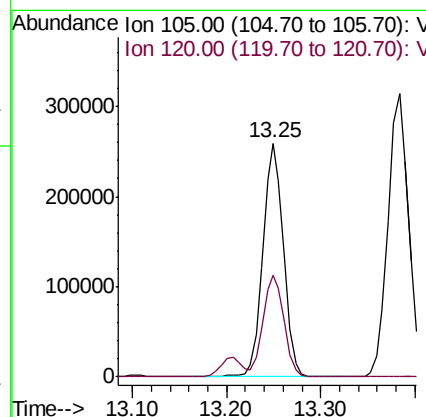
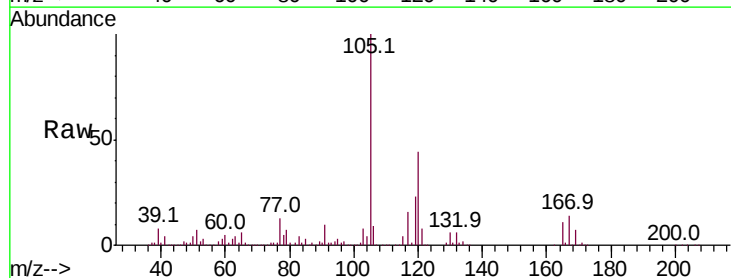
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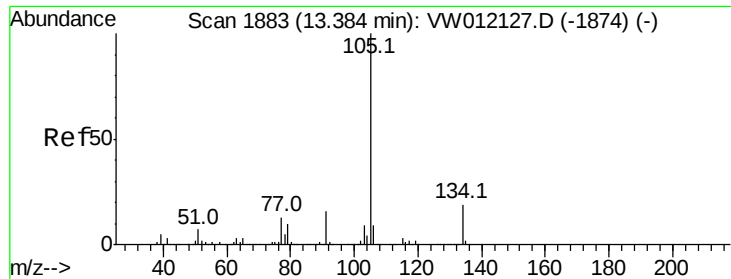
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.944 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398945		
120	43.8	21.9	65.7	





#85

sec-Butylbenzene

Concen: 49.571 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 478377

Ion Ratio Lower Upper

105 100

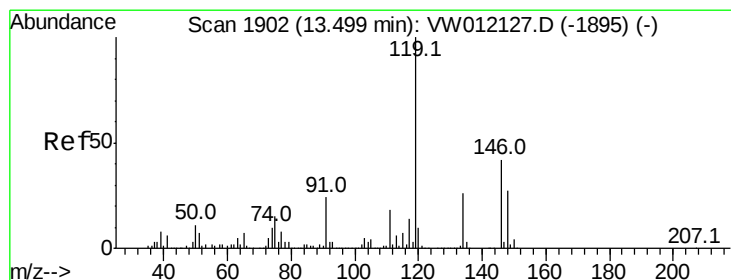
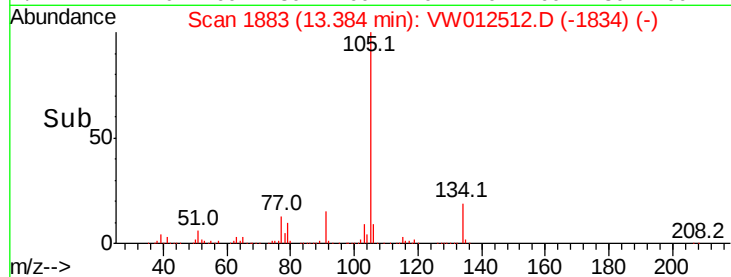
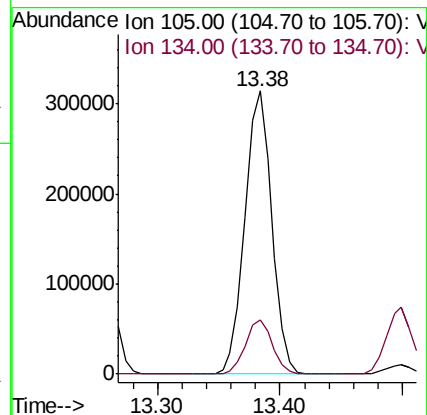
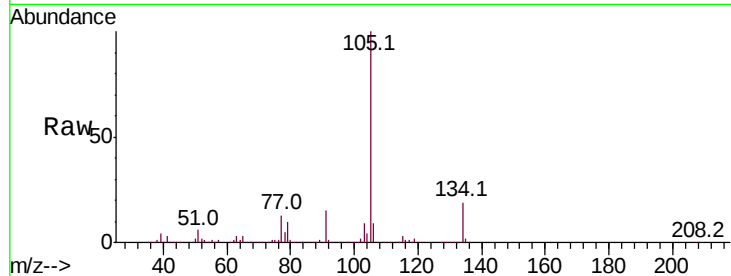
134 19.4 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 50.232 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

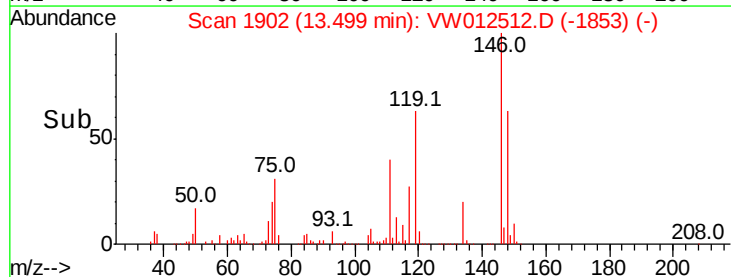
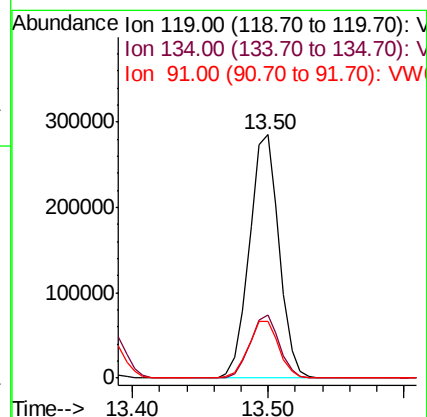
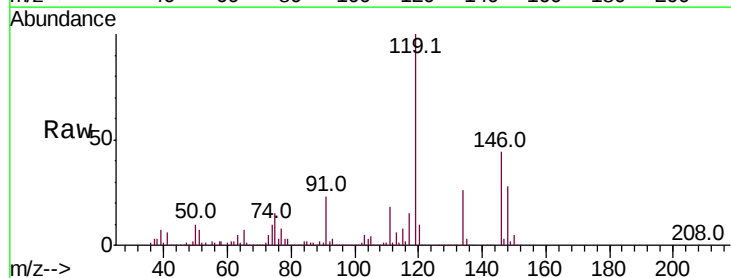
Tgt Ion:119 Resp: 432917

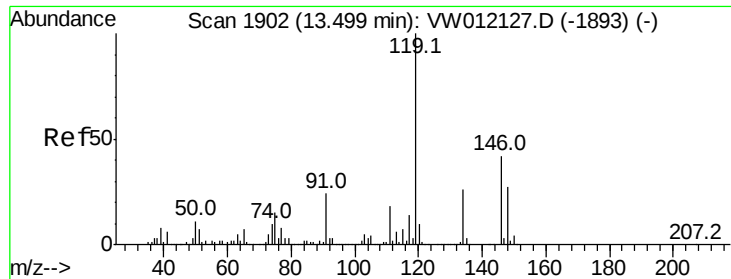
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 23.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.661 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

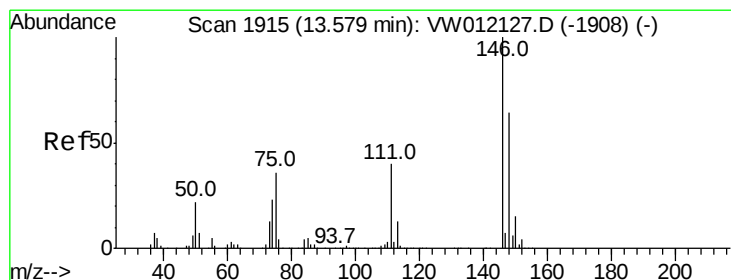
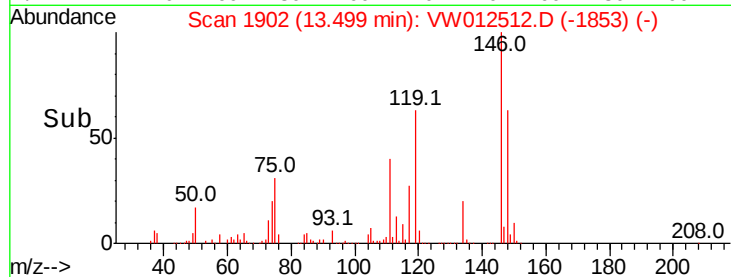
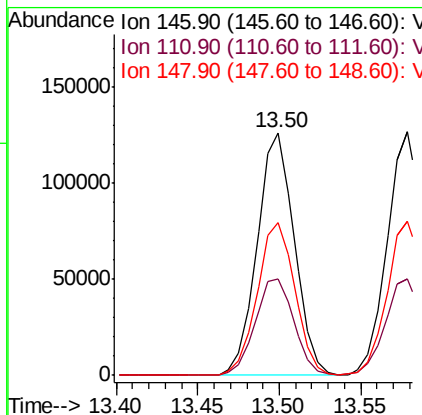
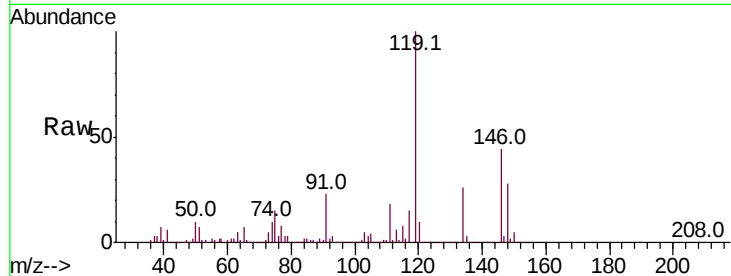
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	199977
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.7
148	63.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.133 ug/l

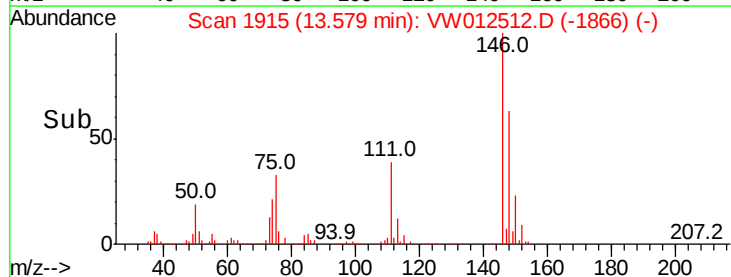
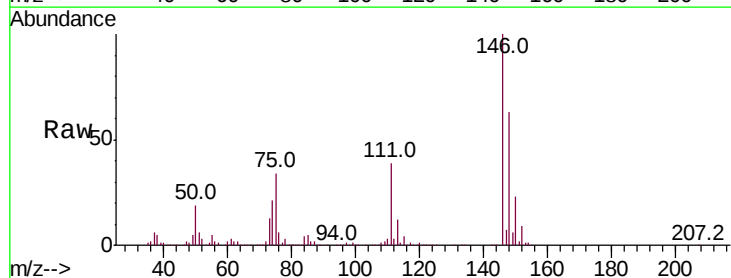
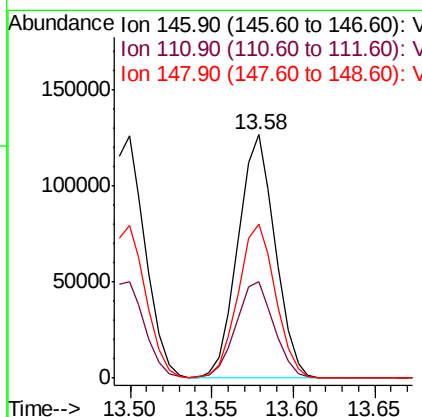
RT: 13.58 min Scan# 1915

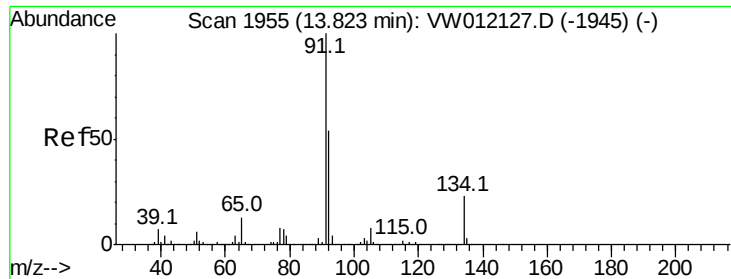
Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	146	Resp:	200451
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.0	60.0
148	64.1	32.1	96.3





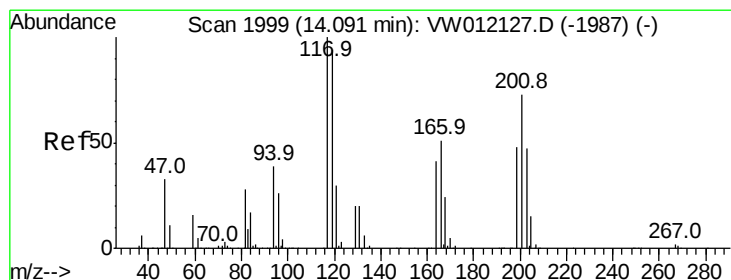
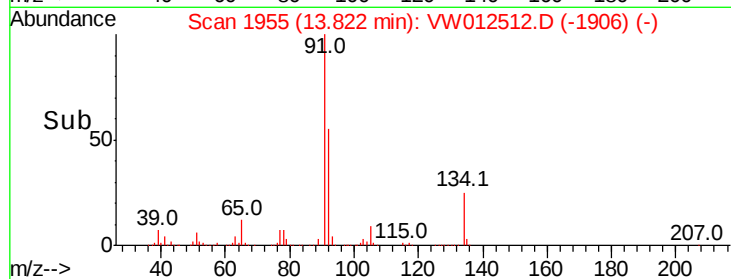
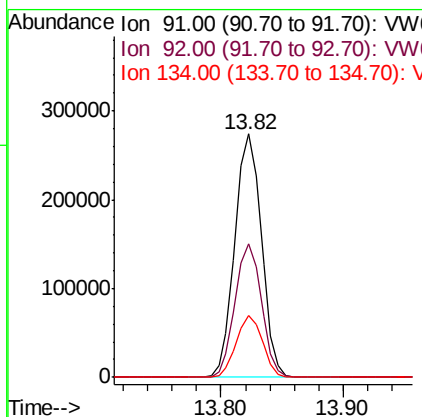
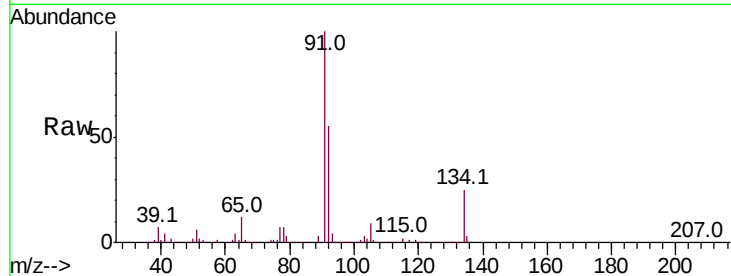
#89
n-Butylbenzene
Concen: 48.001 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	411391		
92	54.7		27.1	81.2
134	25.1		12.2	36.4

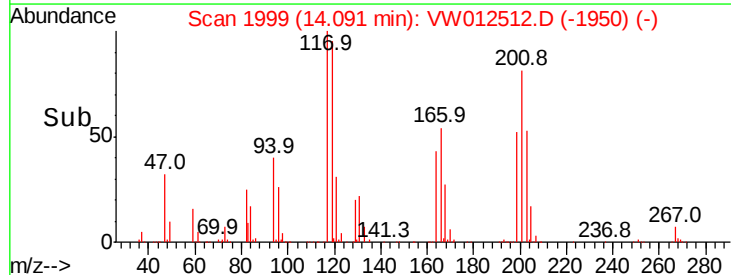
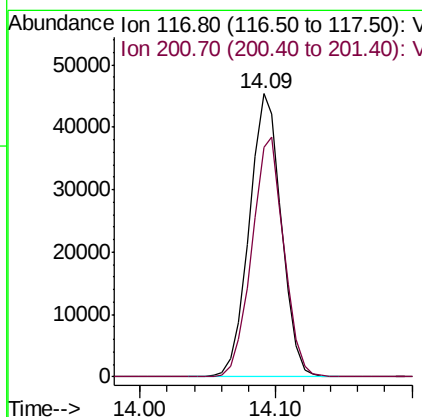
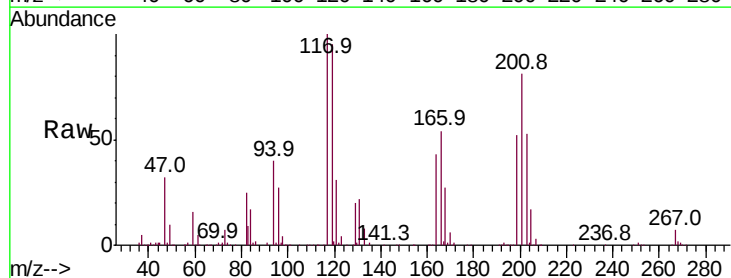
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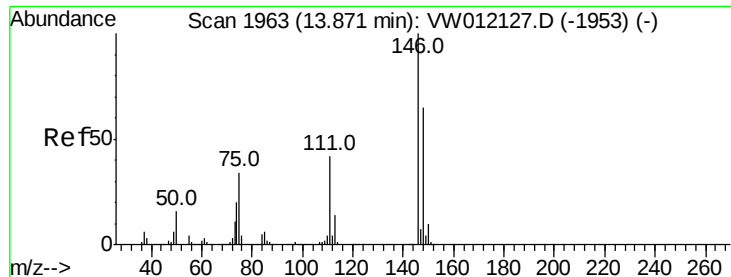
MMDadoda
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#90
Hexachloroethane
Concen: 49.661 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	75090		
201	84.6		38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 51.025 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Instrument :

MSVOA_W

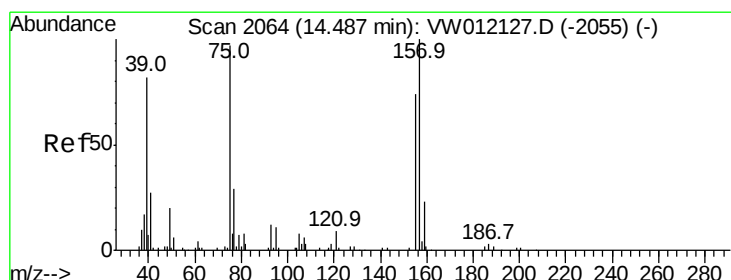
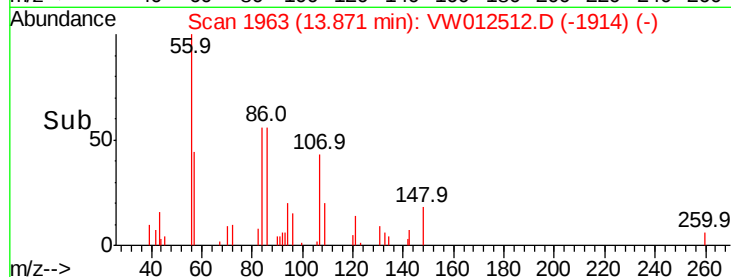
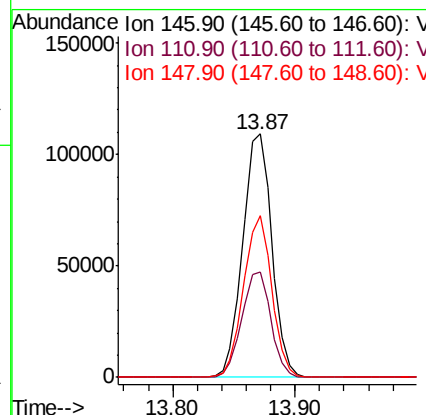
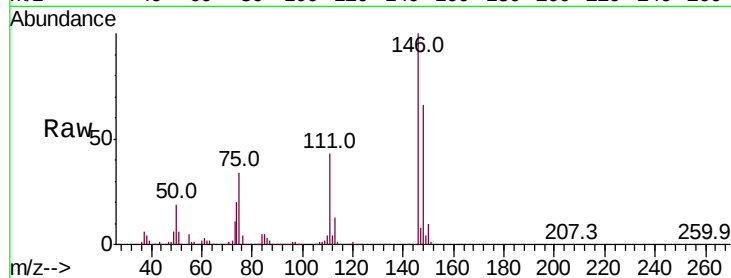
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	180253
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.2	63.6
148	64.7	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.030 ug/l

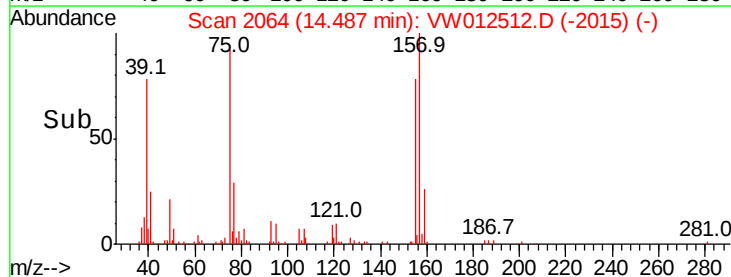
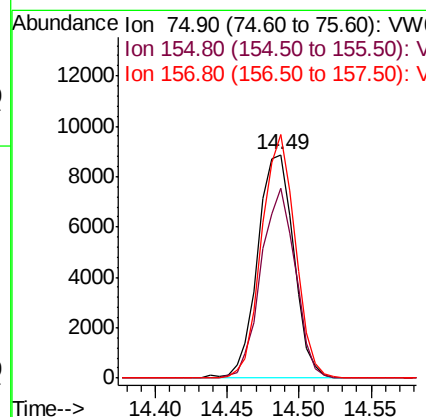
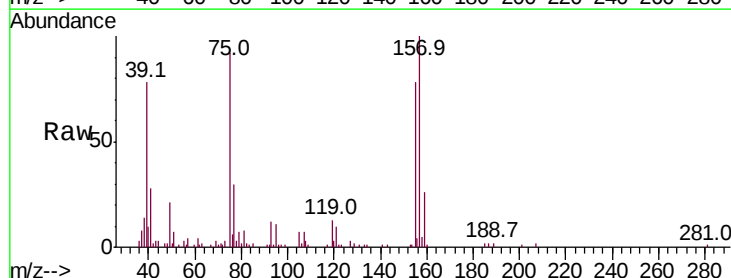
RT: 14.49 min Scan# 2064

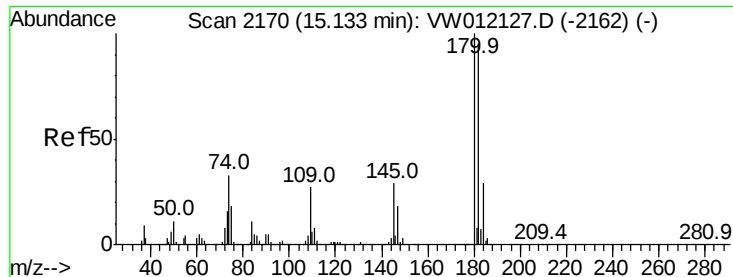
Delta R.T. -0.00 min

Lab File: VW012512.D

Acq: 02 Sep 2019 21:42

Tgt Ion:	75	Resp:	15303
Ion Ratio	Lower	Upper	
75	100		
155	80.9	37.5	112.3
157	101.6	50.5	151.5





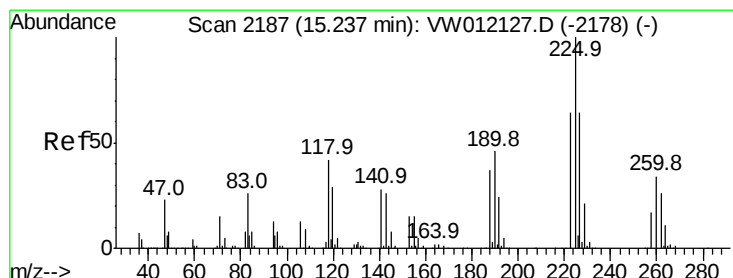
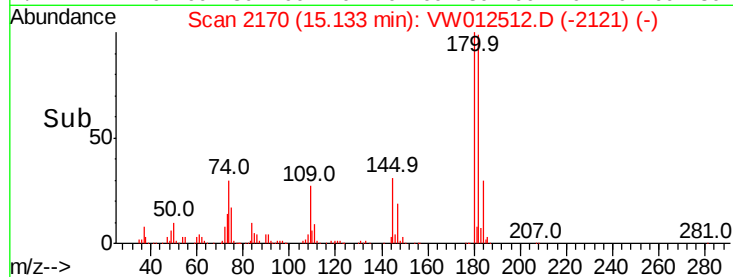
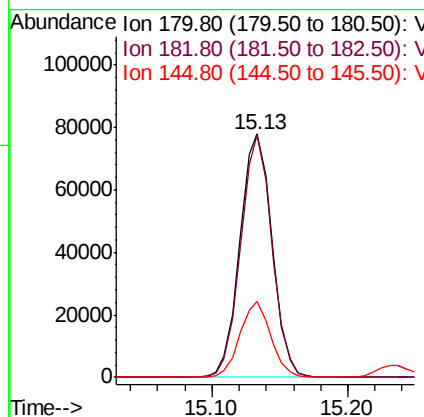
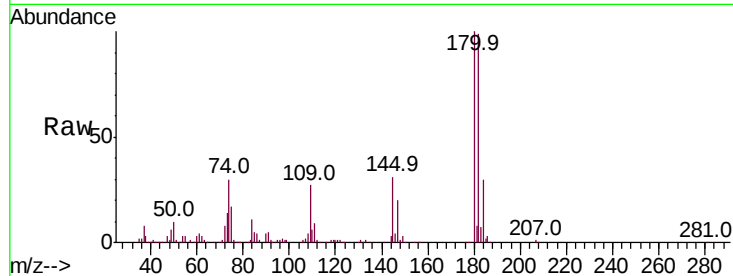
#93
 1,2,4-Trichlorobenzene
 Concen: 52.521 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.6	47.8	143.4
145	30.1	15.0	45.1

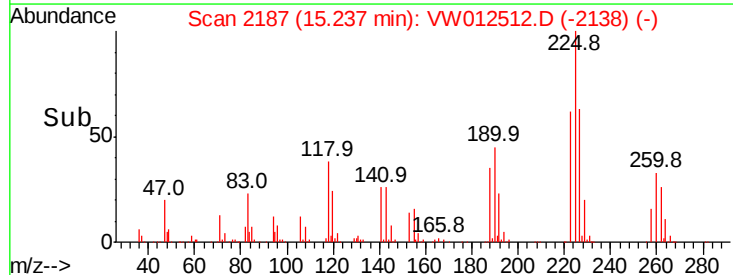
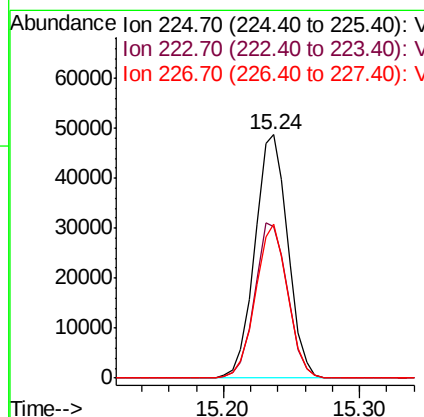
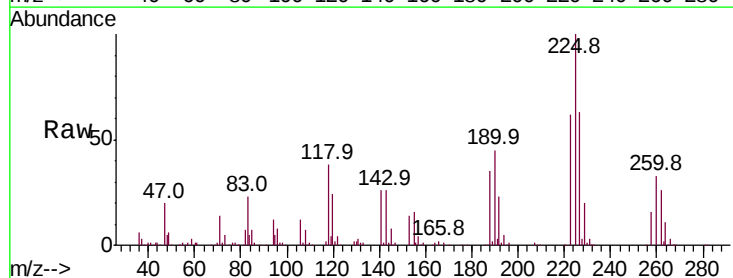
Manual Integrations
 APPROVED

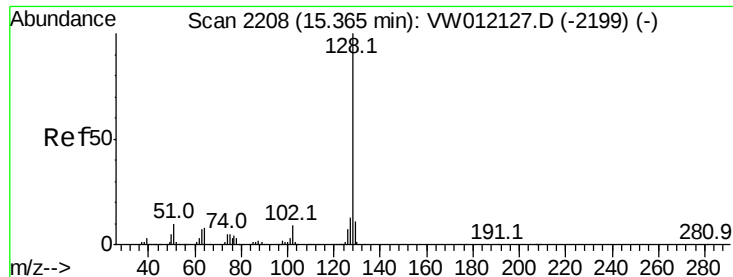
MMDadoda
 9/3/2019 10:55:48 AM



#94
 Hexachlorobutadiene
 Concen: 51.142 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012512.D
 Acq: 02 Sep 2019 21:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.4	32.3	96.8
227	62.0	32.9	98.6





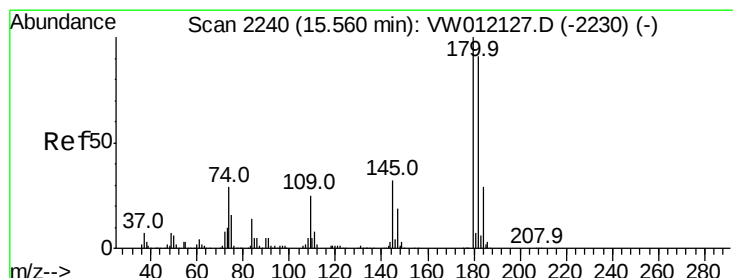
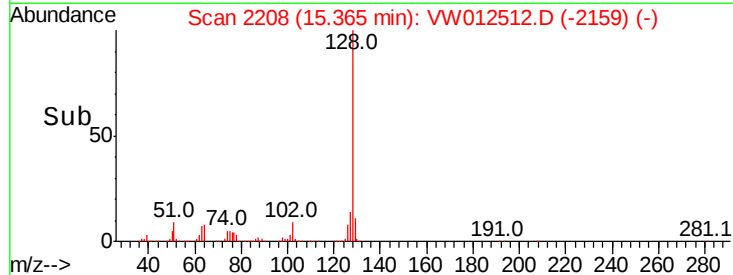
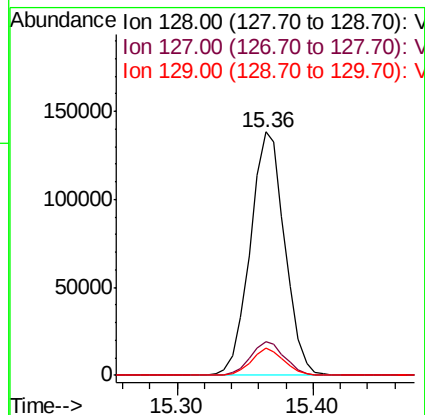
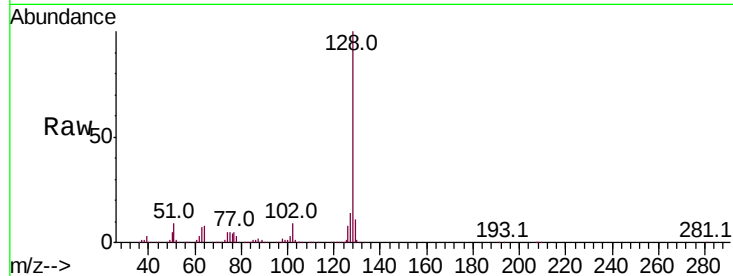
#95
Naphthalene
Concen: 51.220 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	245920
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:55:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.494 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012512.D
Acq: 02 Sep 2019 21:42

Tgt Ion:	180	Resp:	113939
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	32.4	16.2	48.5

