

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009154.D
 Acq On : 13 Mar 2019 14:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 12:43:28 PM

Quant Time: Mar 14 05:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140743	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.88	113	126320	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.32	98	572959	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
62) 4-Bromofluorobenzene	12.62	95	216383	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	128677	44.052	ug/l	98
3) Chloromethane	2.21	50	173410	46.732	ug/l	99
4) Vinyl Chloride	2.36	62	177276	47.076	ug/l	96
5) Bromomethane	2.77	94	173792	54.672	ug/l	95
6) Chloroethane	2.92	64	130152	48.548	ug/l	99
7) Trichlorofluoromethane	3.26	101	228284	47.082	ug/l	98
8) Diethyl Ether	3.68	74	63866	43.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136566	45.223	ug/l	99
10) Methyl Iodide	4.27	142	150862	46.307	ug/l	100
11) Tert butyl alcohol	5.20	59	38073	170.380	ug/l	98
12) 1,1-Dichloroethene	4.04	96	123683	47.481	ug/l	99
13) Acrolein	3.90	56	41901	170.402	ug/l	96
14) Allyl chloride	4.67	41	223161	48.568	ug/l	98
15) Acrylonitrile	5.37	53	137238	212.094	ug/l	98
16) Acetone	4.14	43	138871	211.039	ug/l	98
17) Carbon Disulfide	4.38	76	398648	45.485	ug/l	98
18) Methyl Acetate	4.67	43	63014	41.644	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	304492	44.189	ug/l	100
20) Methylene Chloride	4.92	84	146703	47.075	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	140445	46.694	ug/l	98
22) Diisopropyl ether	6.31	45	447106	48.965	ug/l	99
23) Vinyl Acetate	6.26	43	1262824	222.239	ug/l	100
24) 1,1-Dichloroethane	6.21	63	253043	47.777	ug/l	97
25) 2-Butanone	7.17	43	185011	203.439	ug/l	98
26) 2,2-Dichloropropane	7.17	77	238014	49.440	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	151691	46.959	ug/l	97
28) Bromochloromethane	7.51	49	108170	49.102	ug/l	96
29) Tetrahydrofuran	7.53	42	113138	197.417	ug/l	100
30) Chloroform	7.67	83	260501	47.774	ug/l	98
31) Cyclohexane	7.95	56	250871	46.131	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	241801	48.051	ug/l	99
36) 1,1-Dichloropropene	8.08	75	213266	50.979	ug/l	100
37) Ethyl Acetate	7.26	43	77152	39.263	ug/l	98
38) Carbon Tetrachloride	8.07	117	218328	50.534	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264386	53.060	ug/l	98
40) Benzene	8.32	78	576277	51.603	ug/l	98
41) Methacrylonitrile	7.48	41	52043	47.694	ug/l	87
42) 1,2-Dichloroethane	8.40	62	170773	47.367	ug/l	99
43) Isopropyl Acetate	8.42	43	159919	43.696	ug/l	98
44) Trichloroethene	9.09	130	157020	50.166	ug/l	97
45) 1,2-Dichloropropane	9.37	63	140507	50.236	ug/l	98
46) Dibromomethane	9.46	93	70044	45.854	ug/l	99
47) Bromodichloromethane	9.64	83	189449	48.994	ug/l	97
48) Methyl methacrylate	9.43	41	85666	50.270	ug/l	98
49) 1,4-Dioxane	9.46	88	19460	889.643	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	419085	225.563	ug/l	100
52) Toluene	10.39	92	408503	53.937	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192652	50.375	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	221643	50.433	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	97883	47.278	ug/l	96
56) Ethyl methacrylate	10.65	69	127966	49.801	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172159	46.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	331825	249.106	ug/l	100
59) 2-Hexanone	10.97	43	313987	240.364	ug/l	97
60) Dibromochloromethane	11.13	129	124802	48.709	ug/l	100
61) 1,2-Dibromoethane	11.23	107	93944	46.286	ug/l	99
64) Tetrachloroethene	10.87	164	145761	51.146	ug/l	95
65) Chlorobenzene	11.66	112	447520	52.027	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144498	50.311	ug/l	98
67) Ethyl Benzene	11.73	91	842857	54.240	ug/l	98
68) m/p-Xylenes	11.84	106	651171	106.164	ug/l	99
69) o-Xylene	12.17	106	306108	53.637	ug/l	99
70) Styrene	12.18	104	494404	53.543	ug/l	99
71) Bromoform	12.35	173	71360	46.274	ug/l #	100
73) Isopropylbenzene	12.46	105	871222	54.746	ug/l	99
74) N-amyl acetate	12.27	43	184627	49.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113977	45.404	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	81818m	46.600	ug/l	
77) Bromobenzene	12.75	156	184644	50.781	ug/l	98
78) n-propylbenzene	12.80	91	1068976	54.534	ug/l	99
79) 2-Chlorotoluene	12.90	91	592592	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	733549	53.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35600	45.352	ug/l	98
82) 4-Chlorotoluene	12.99	91	628002	53.494	ug/l	100
83) tert-Butylbenzene	13.21	119	641410	55.442	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	747509	53.869	ug/l	99
85) sec-Butylbenzene	13.38	105	945004	55.131	ug/l	99
86) p-Isopropyltoluene	13.50	119	843157	54.986	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	390785	51.140	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	389070	51.520	ug/l	99
89) n-Butylbenzene	13.83	91	814681	55.887	ug/l	99
90) Hexachloroethane	14.10	117	144330	54.575	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	342834	50.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20638	46.160	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	235306	51.679	ug/l	98
94) Hexachlorobutadiene	15.24	225	150577	52.798	ug/l	98
95) Naphthalene	15.37	128	360569	48.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	196100	48.979	ug/l	99

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

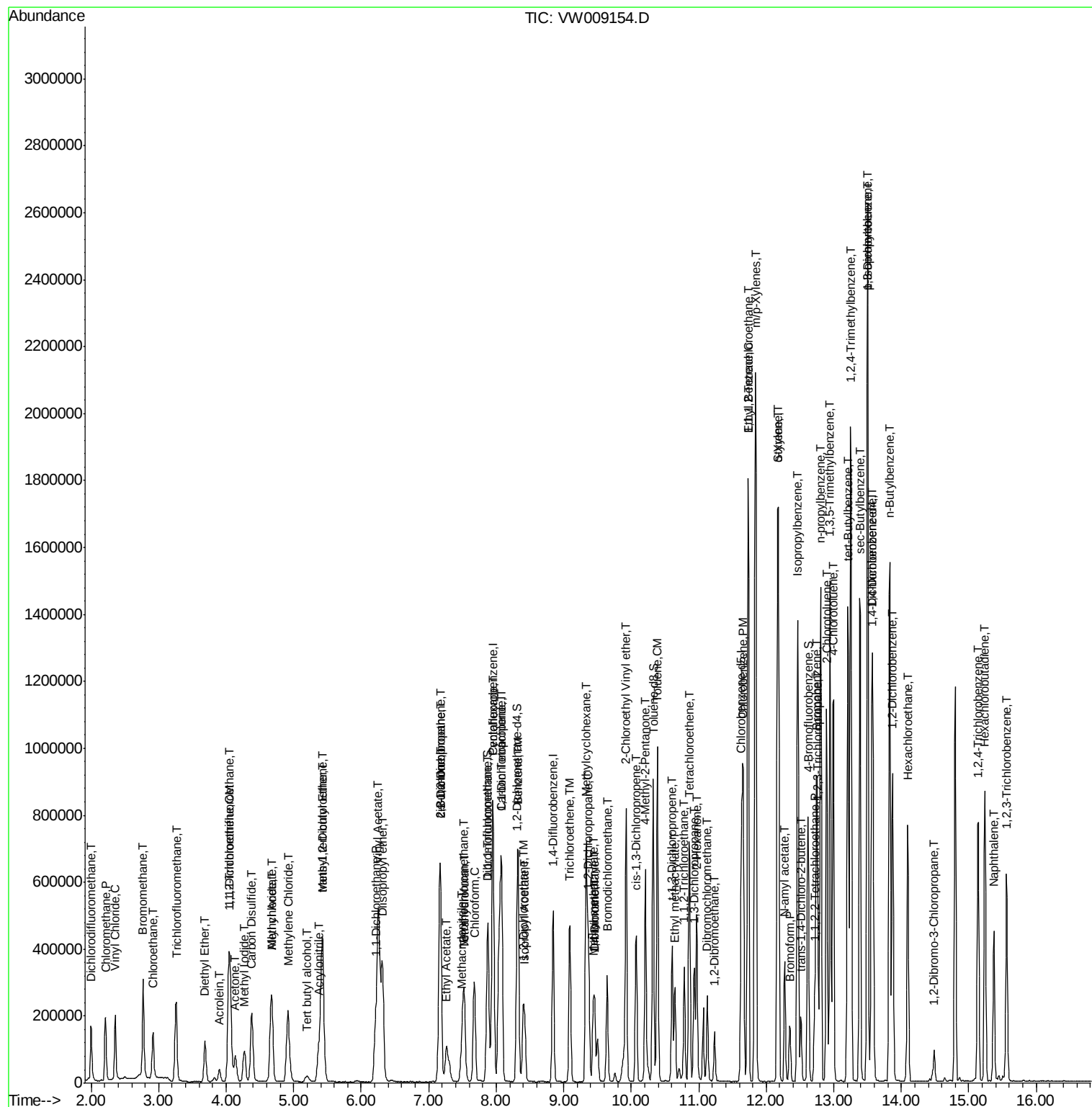
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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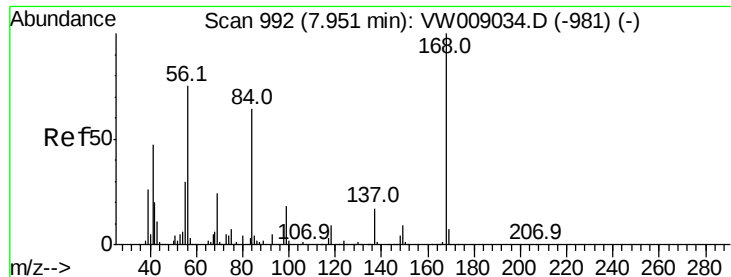
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 289839

Ion Ratio Lower Upper

168 100

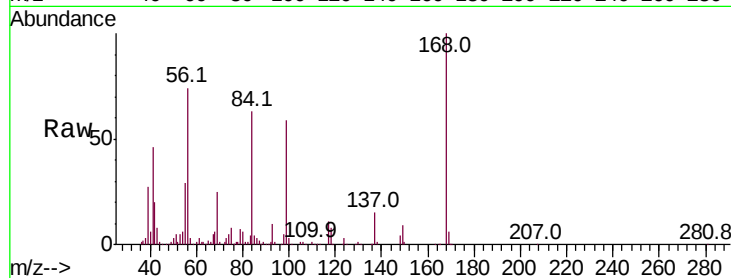
99 59.0 42.2 63.2

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

150000

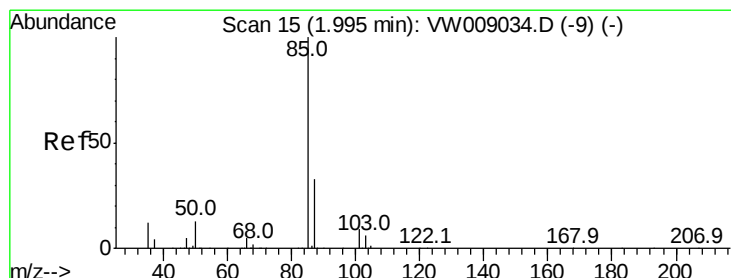
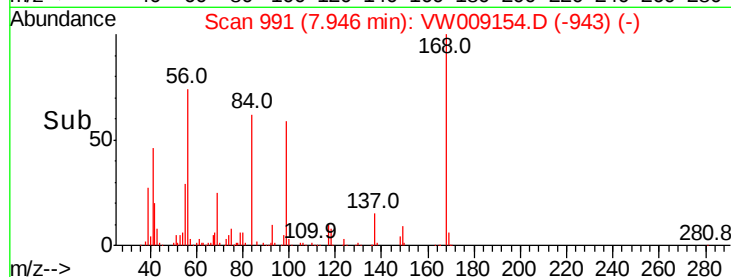
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.052 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009154.D

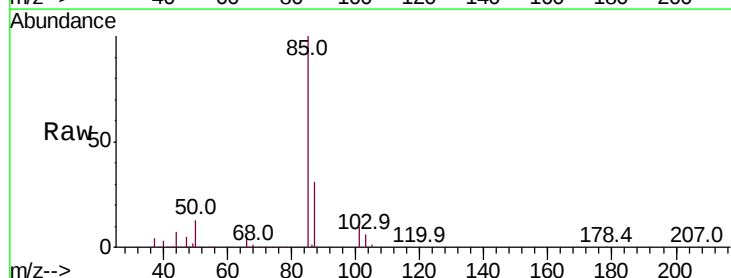
Acq: 13 Mar 2019 14:18

Tgt Ion: 85 Resp: 128677

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

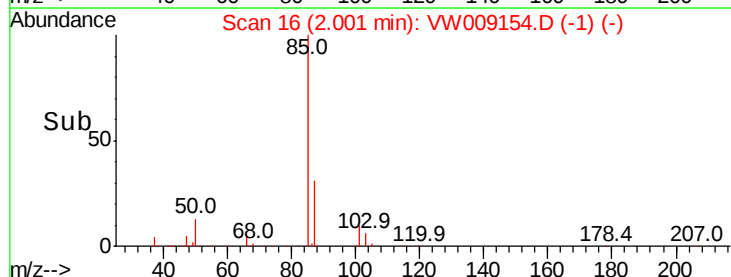
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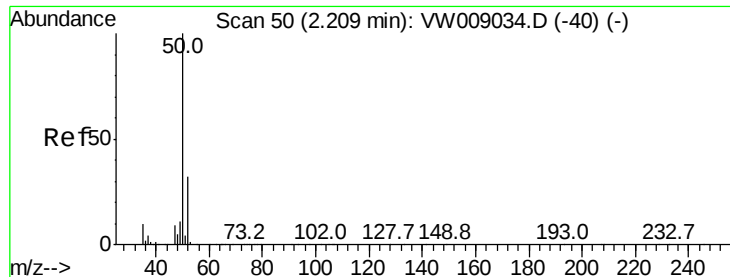
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 46.732 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 173410

Ion Ratio Lower Upper

50 100

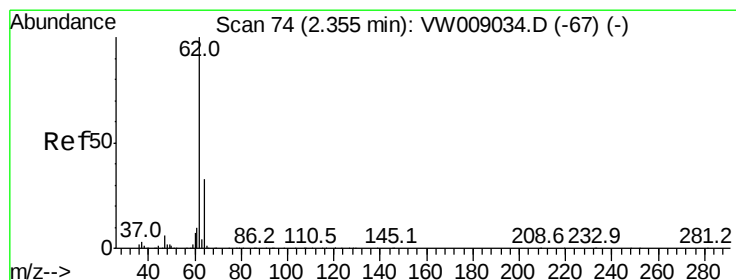
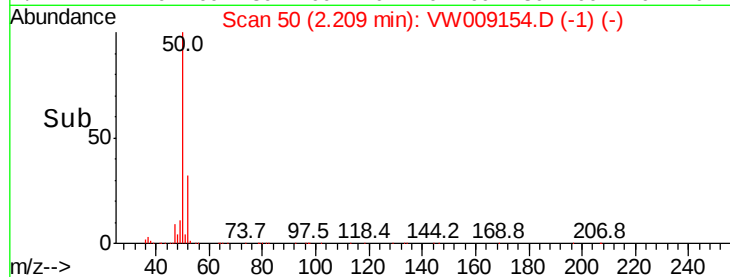
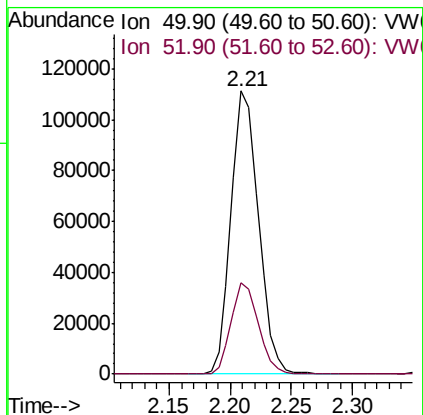
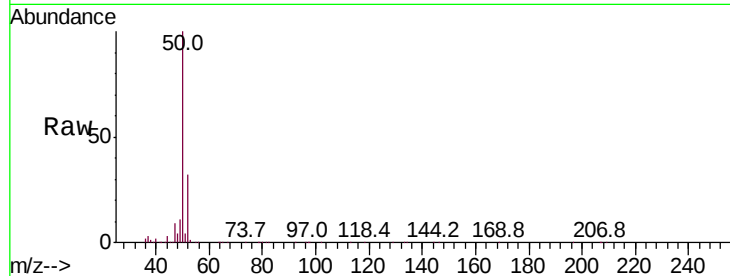
52 32.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.076 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009154.D

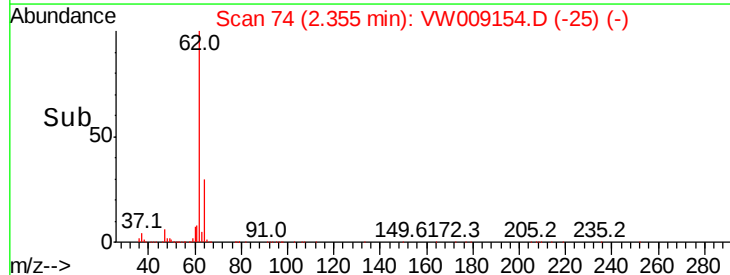
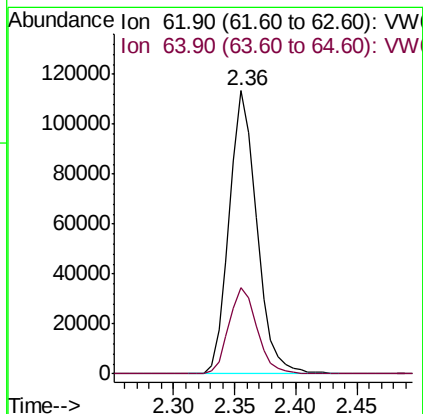
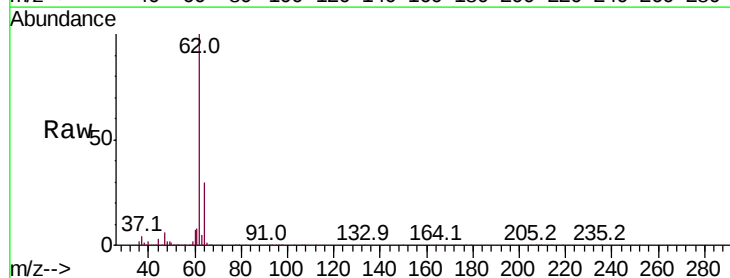
Acq: 13 Mar 2019 14:18

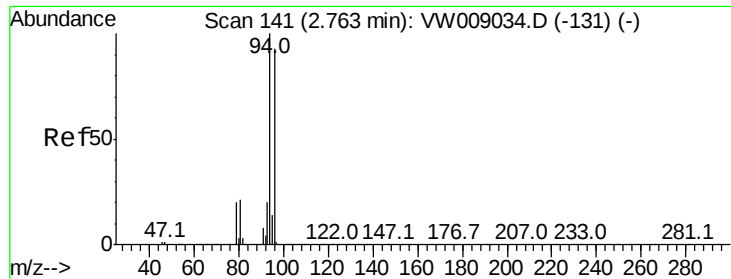
Tgt Ion: 62 Resp: 177276

Ion Ratio Lower Upper

62 100

64 30.3 26.0 39.0





#5

Bromomethane

Concen: 54.672 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 173792

Ion Ratio Lower Upper

94 100

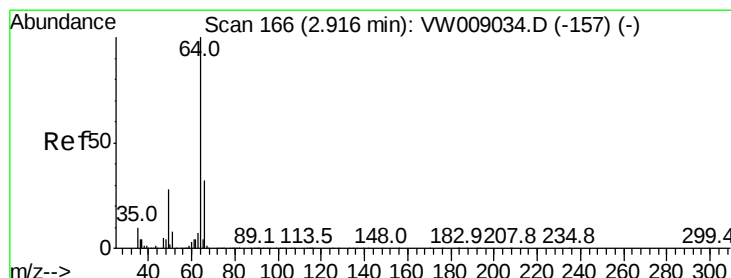
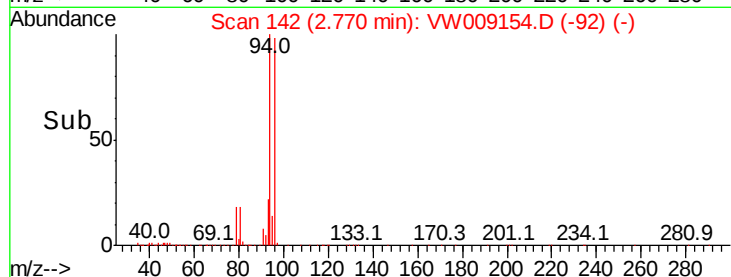
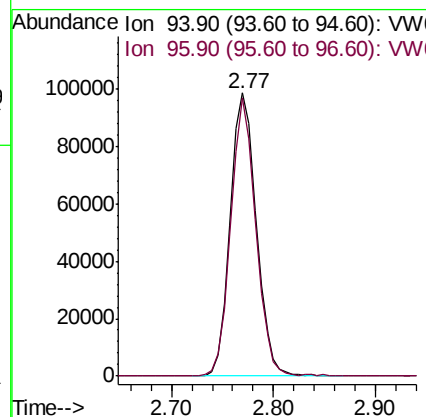
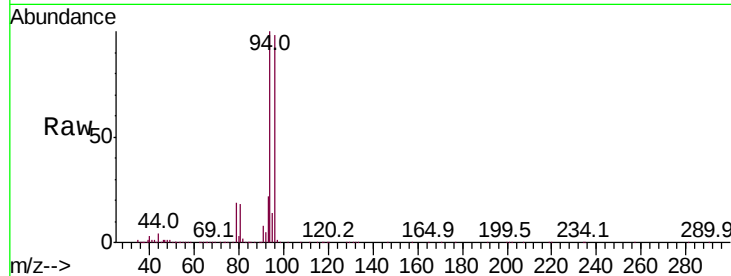
96 98.3 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 48.548 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009154.D

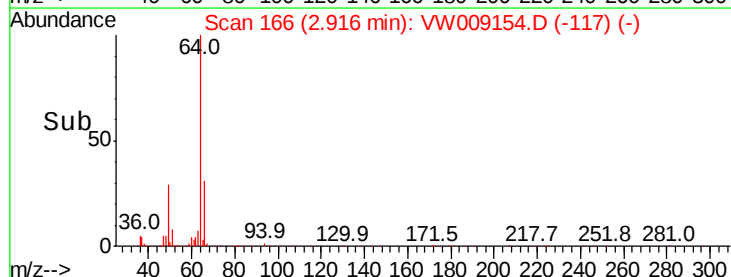
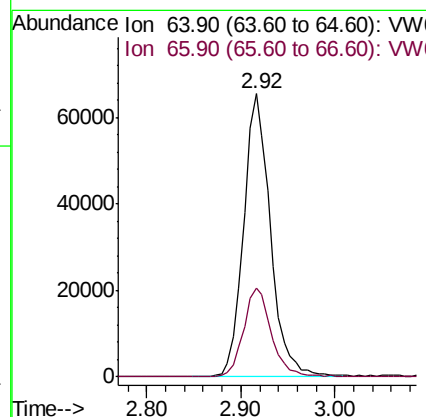
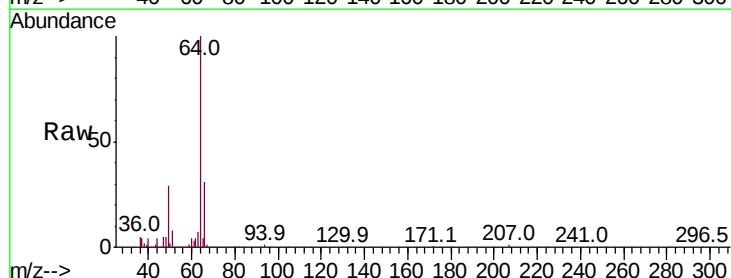
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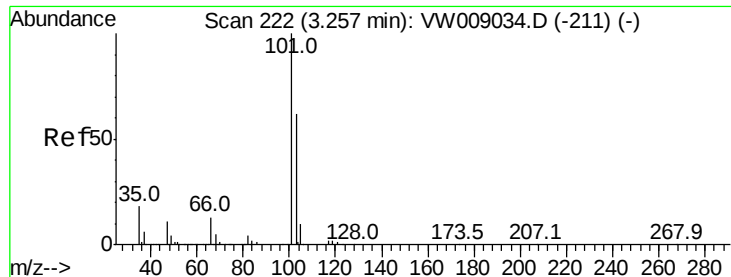
Tgt Ion: 64 Resp: 130152

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

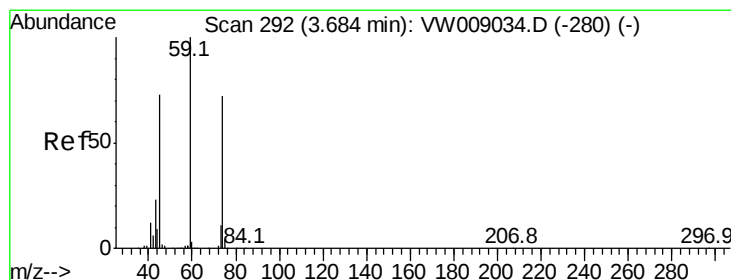
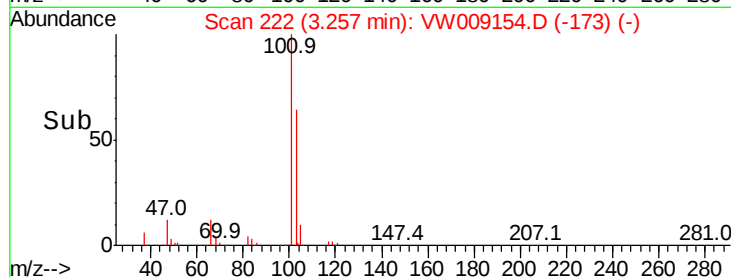
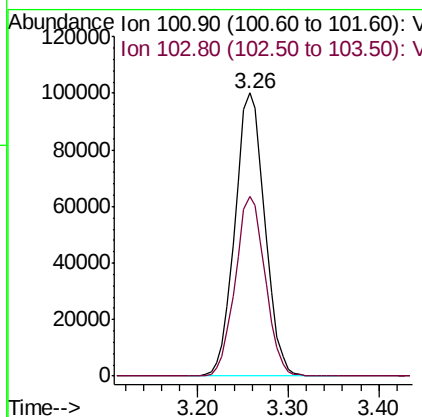
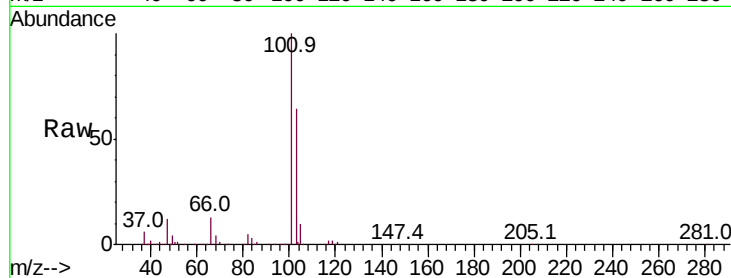
Trichlorofluoromethane
 Concen: 47.082 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009154.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.9	74.9

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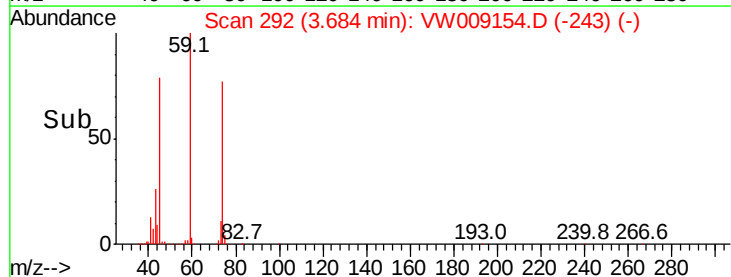
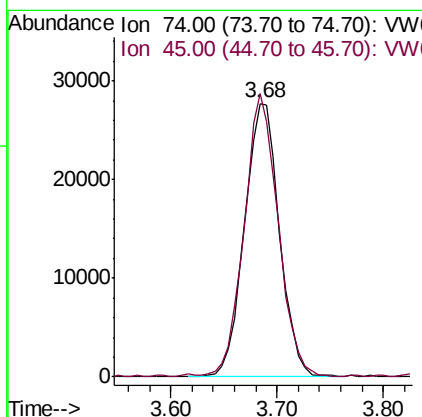
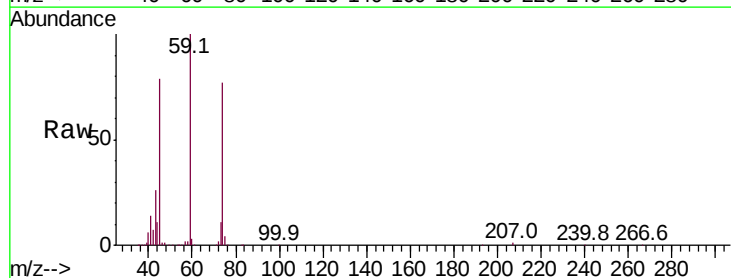
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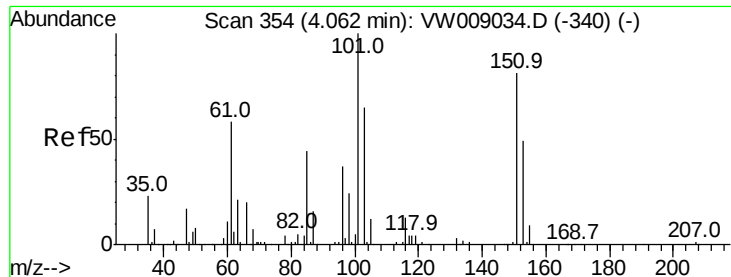


#8

Diethyl Ether
 Concen: 43.078 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.223 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

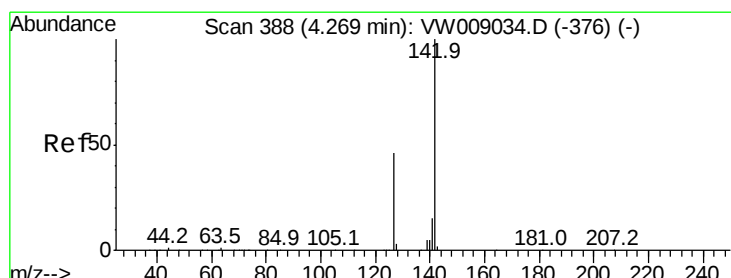
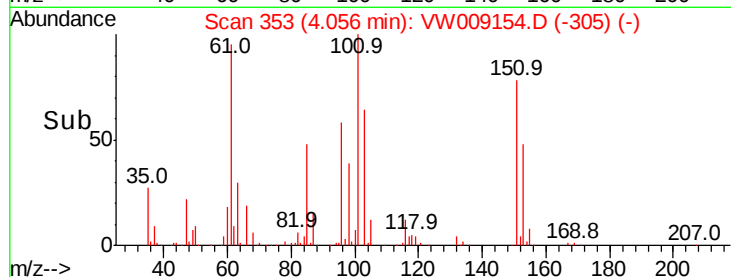
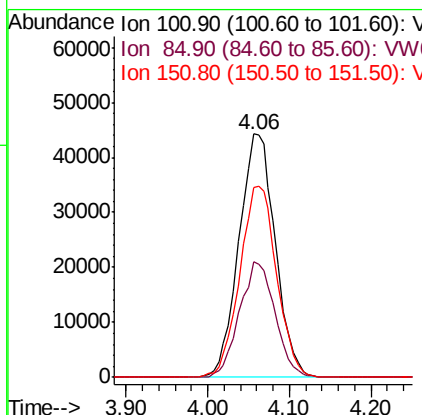
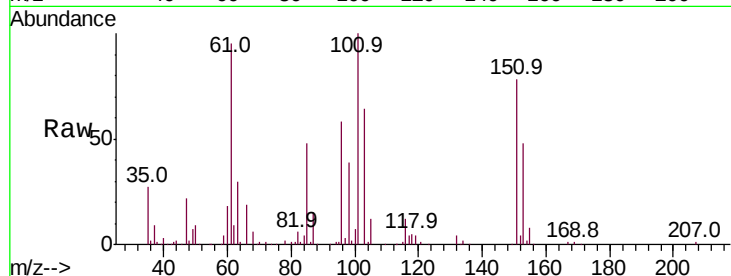
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	136566
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.2	54.4
151	79.8	63.4	95.2

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 46.307 ug/l

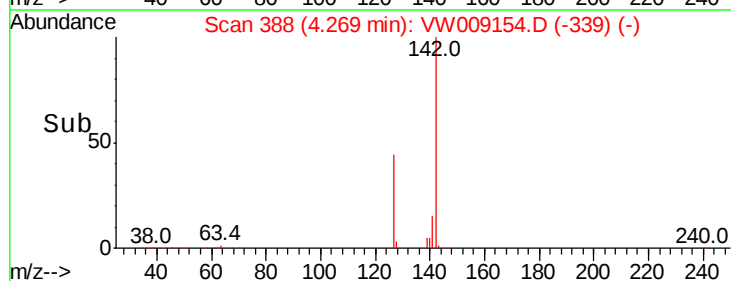
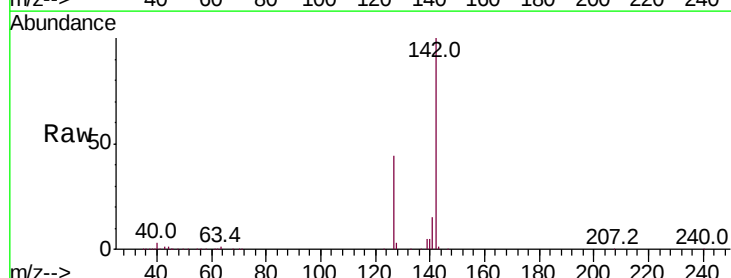
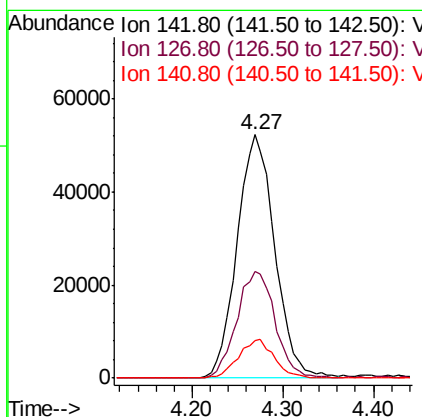
RT: 4.27 min Scan# 388

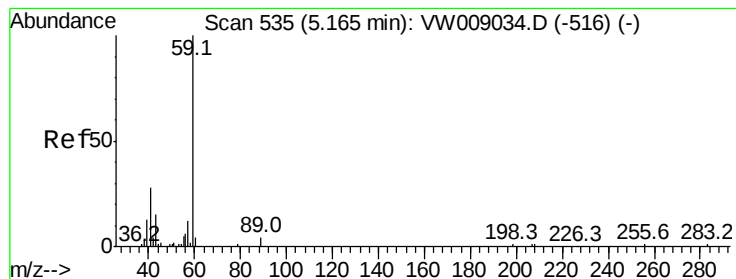
Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion:	142	Resp:	150862
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.8	53.6
141	15.1	11.8	17.8





#11

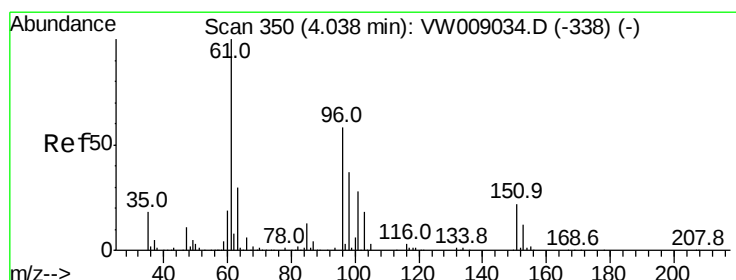
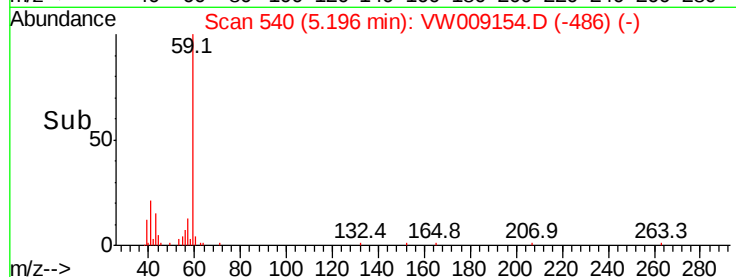
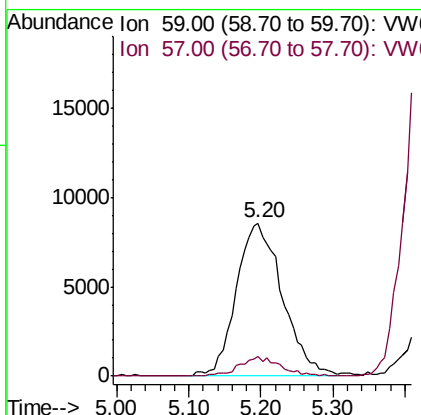
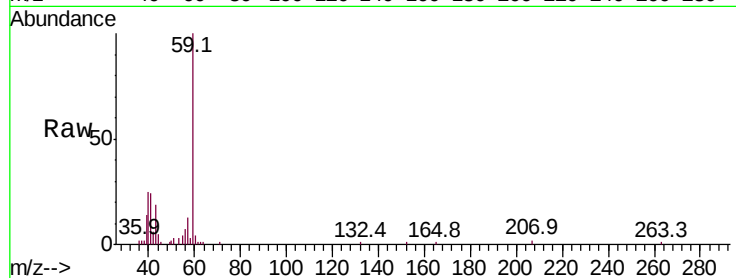
Tert butyl alcohol
Concen: 170.380 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

Manual Integrations
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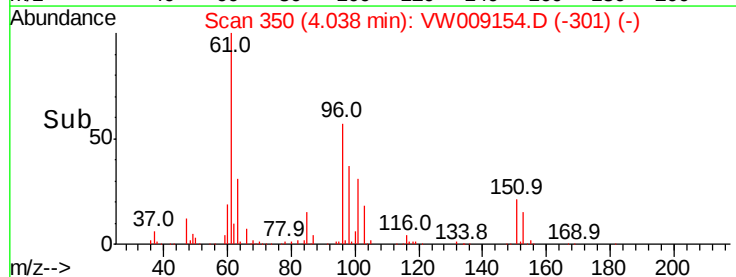
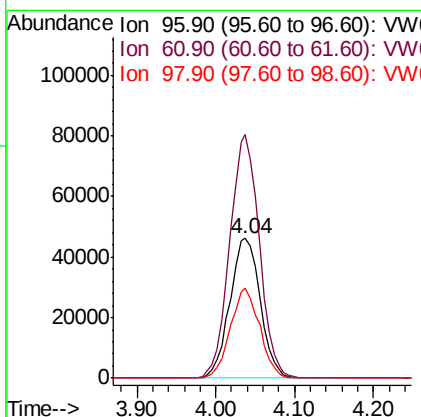
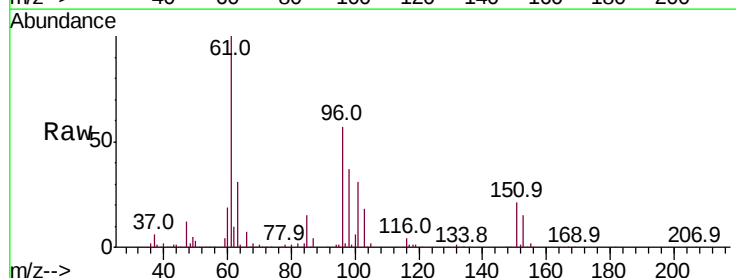
MMDadoda
3/14/2019 12:43:28 PM

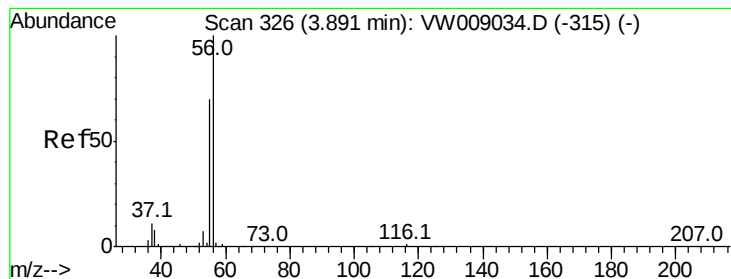


#12

1,1-Dichloroethene
Concen: 47.481 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	138.2	207.2
98	64.7	51.3	76.9





#13

Acrolein

Concen: 170.402 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41901

Ion Ratio Lower Upper

56 100

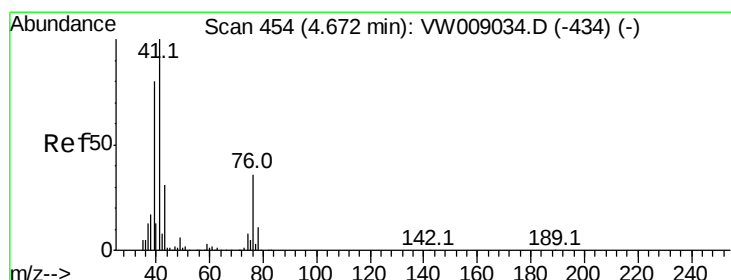
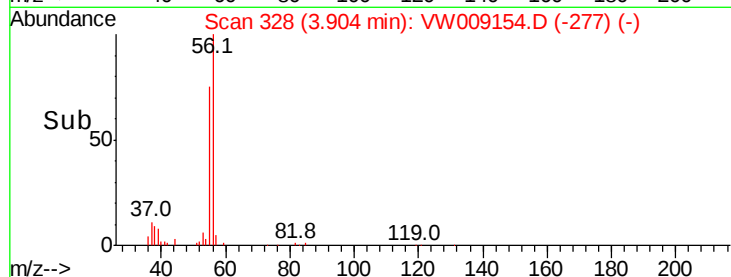
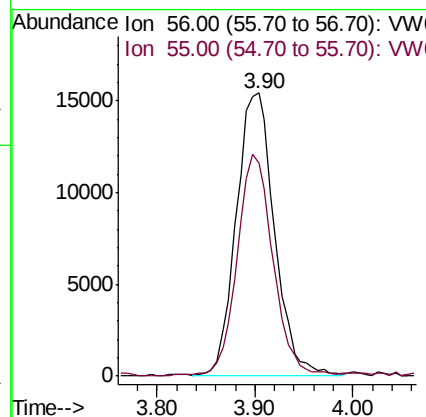
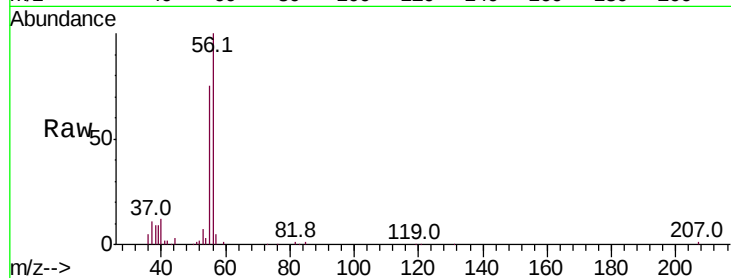
55 74.2 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 48.568 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

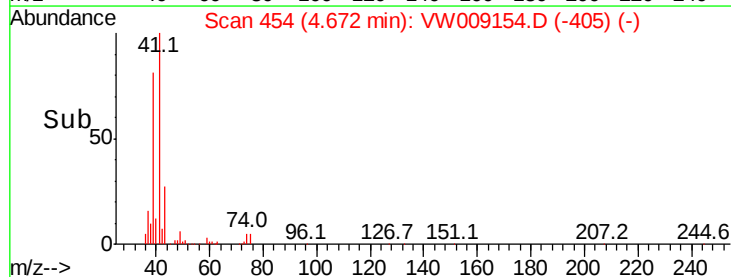
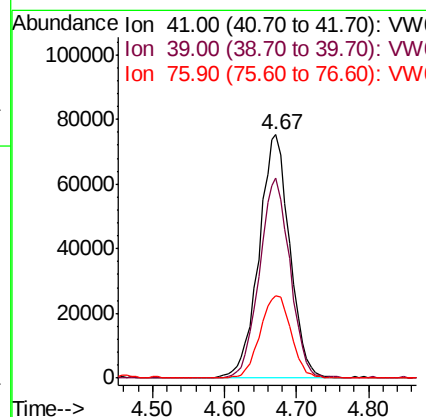
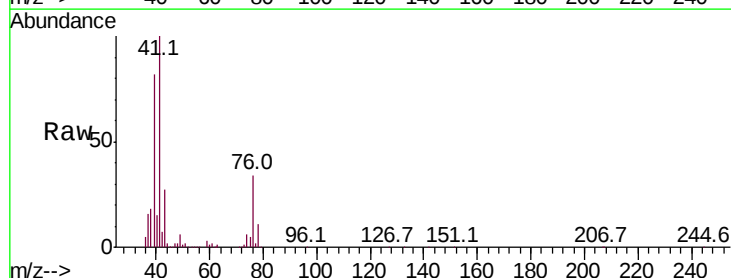
Tgt Ion: 41 Resp: 223161

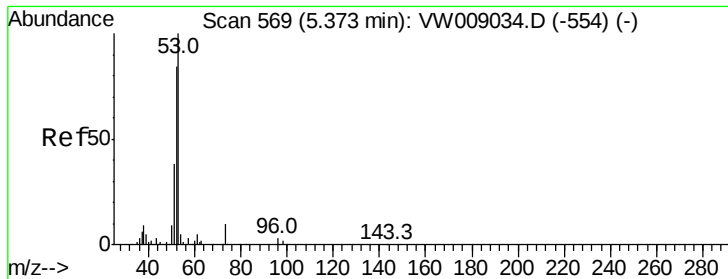
Ion Ratio Lower Upper

41 100

39 81.1 63.0 94.4

76 34.1 28.2 42.2





#15

Acrylonitrile

Concen: 212.094 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

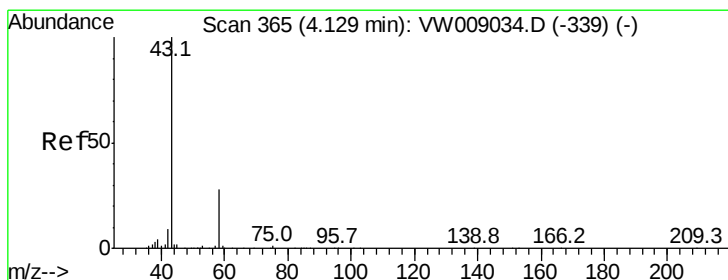
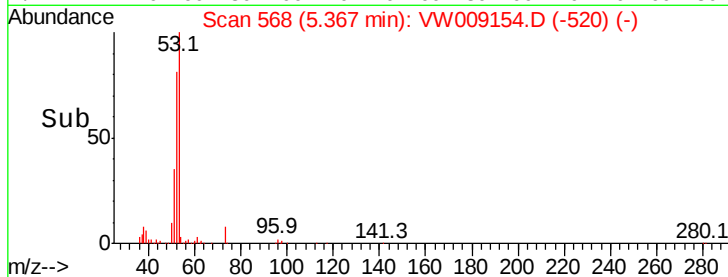
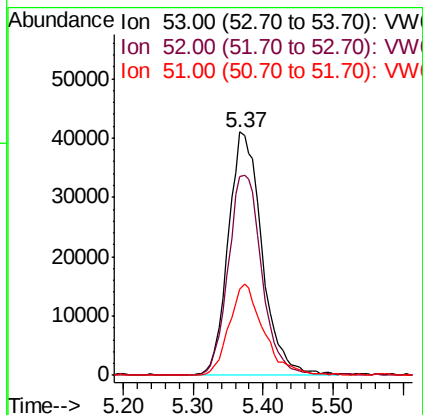
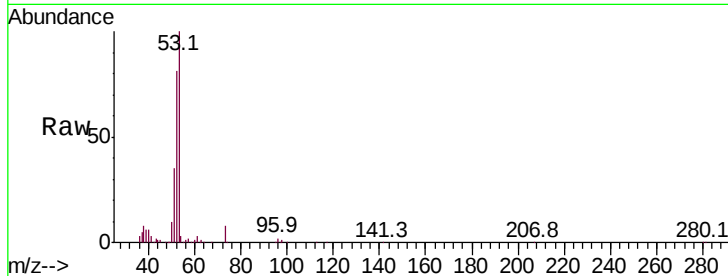
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	137238
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.2	100.8
51	38.4	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 211.039 ug/l

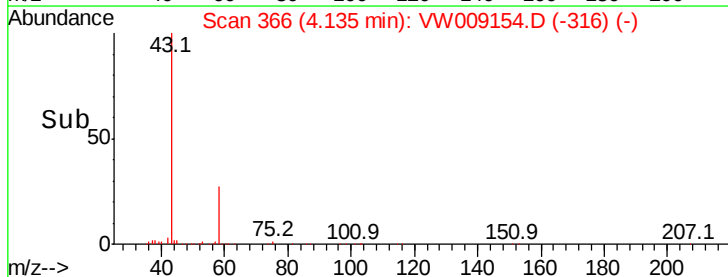
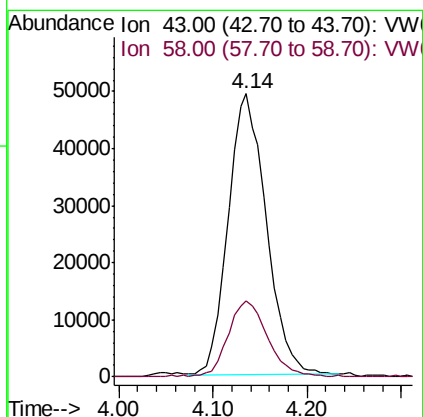
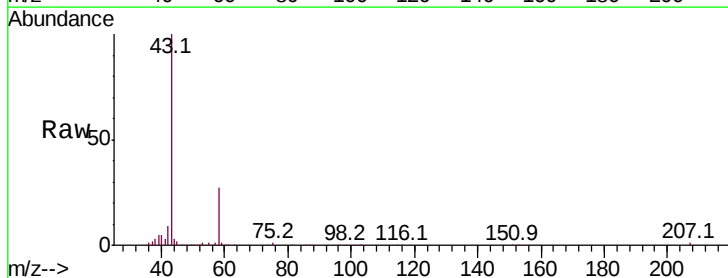
RT: 4.14 min Scan# 366

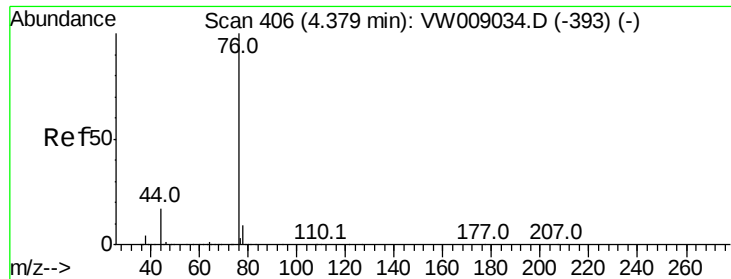
Delta R.T. 0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion:	43	Resp:	138871
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.5	33.7





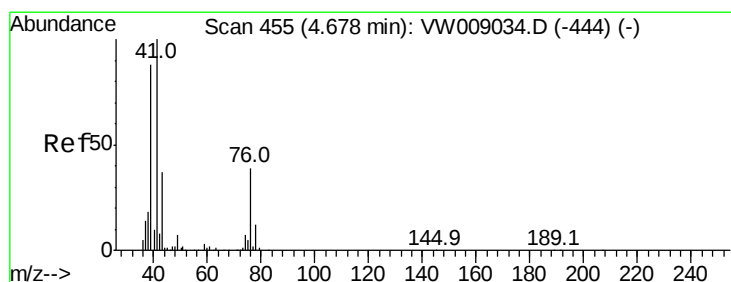
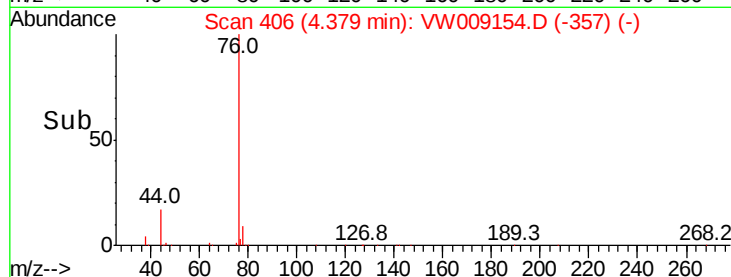
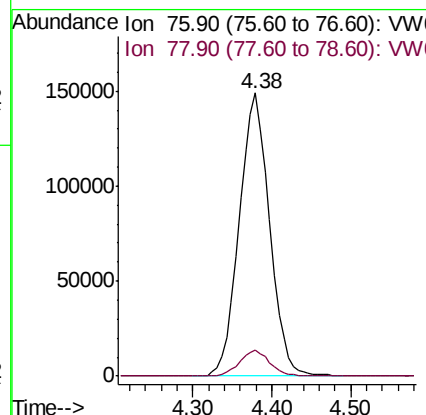
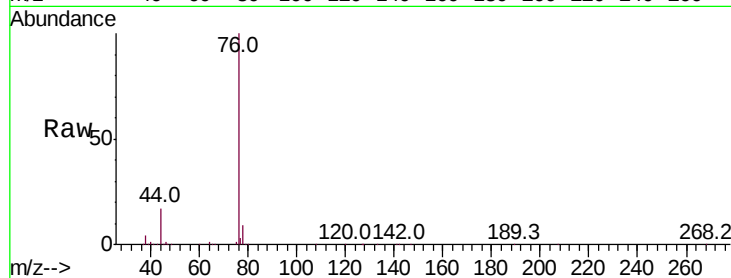
#17
Carbon Disulfide
Concen: 45.485 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

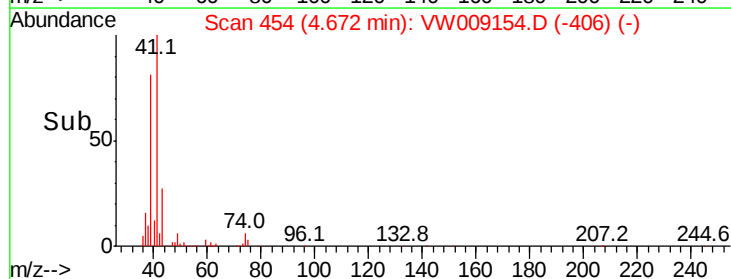
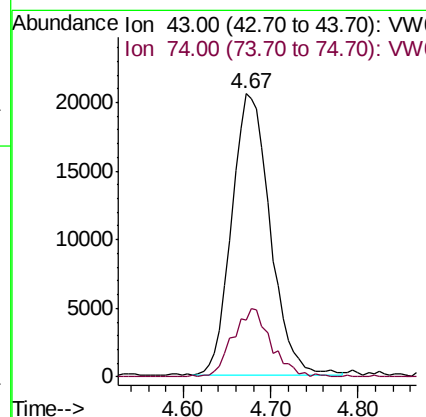
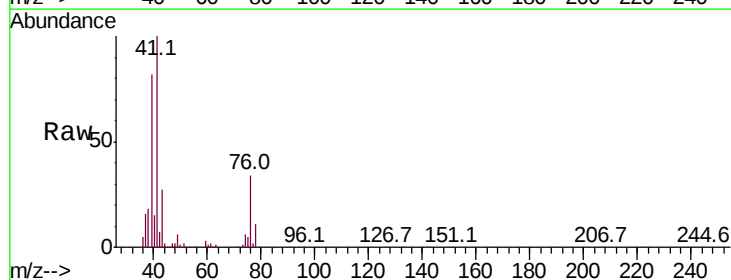
Manual Integrations
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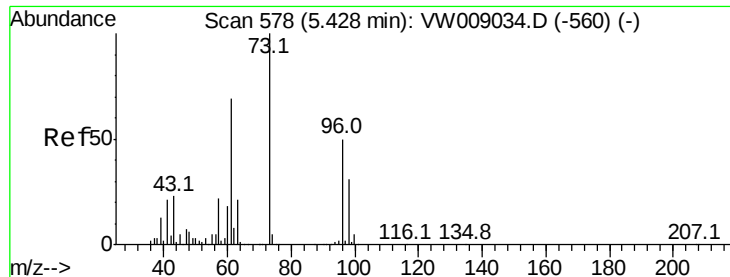
MMDadoda
3/14/2019 12:43:28 PM



#18
Methyl Acetate
Concen: 41.644 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.6	26.4





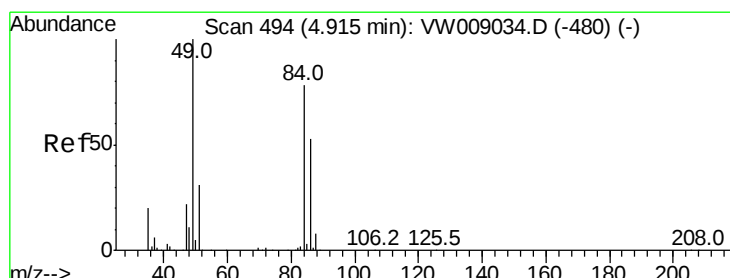
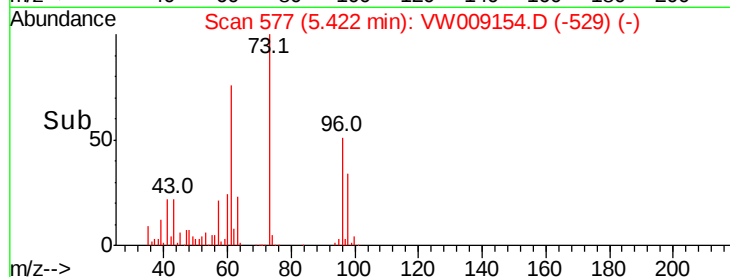
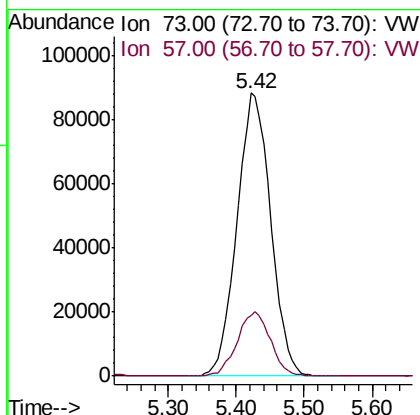
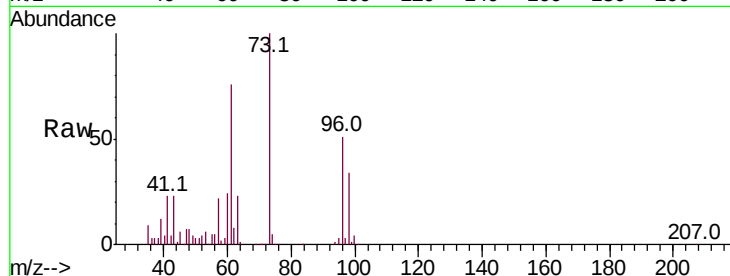
#19
Methvl tert-butvl Ether
Concen: 44.189 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 304492
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

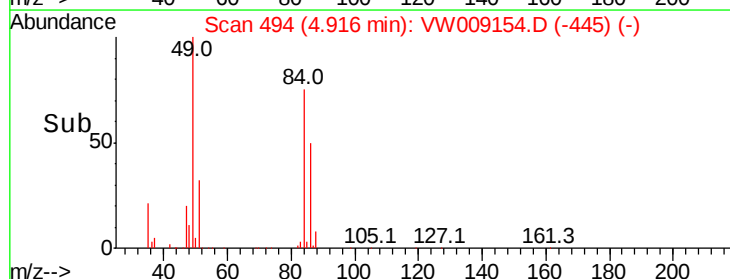
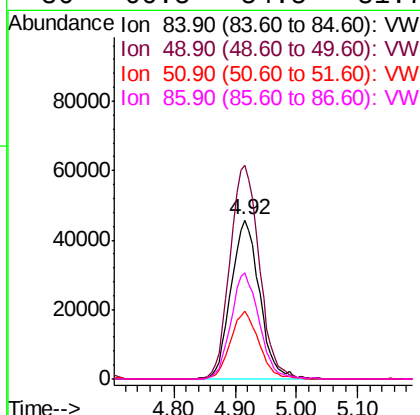
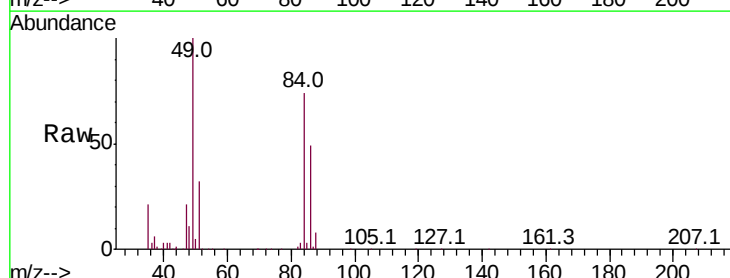
Manual Integrations
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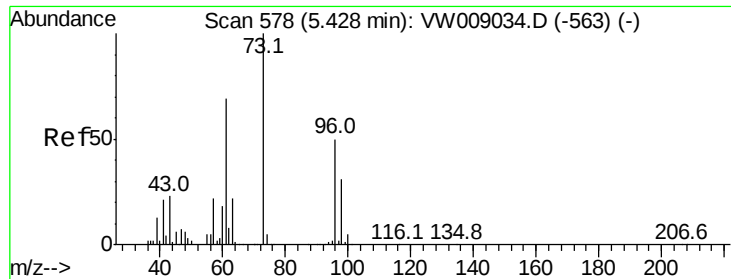
MMDadoda
3/14/2019 12:43:28 PM



#20
Methylene Chloride
Concen: 47.075 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 84 Resp: 146703
Ion Ratio Lower Upper
84 100
49 134.4 102.4 153.6
51 42.9 31.6 47.4
86 66.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.694 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

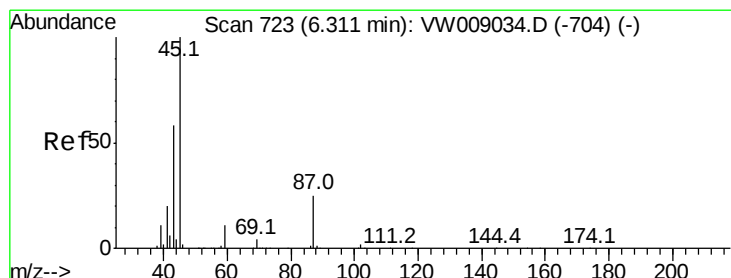
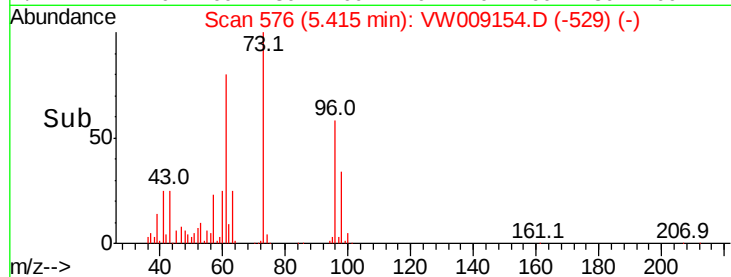
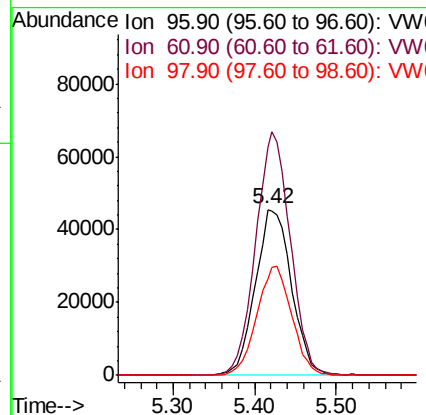
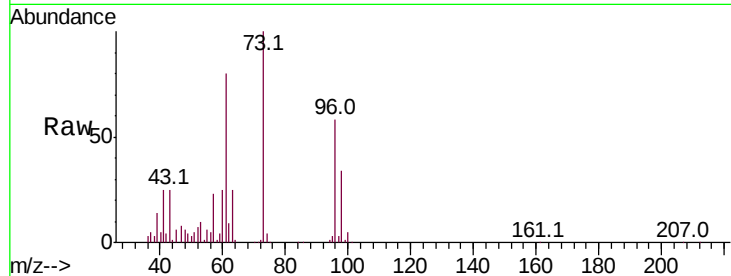
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	140445
Ion Ratio	Lower	Upper	
96	100		
61	137.3	111.0	166.6
98	58.2	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.965 ug/l

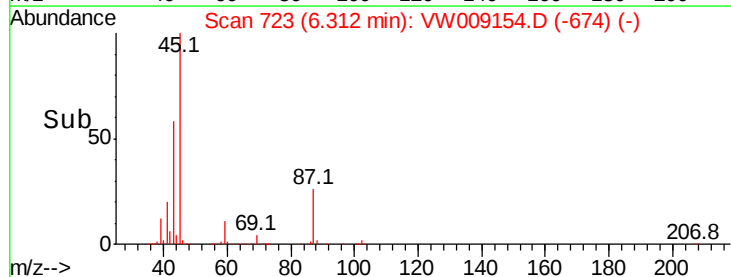
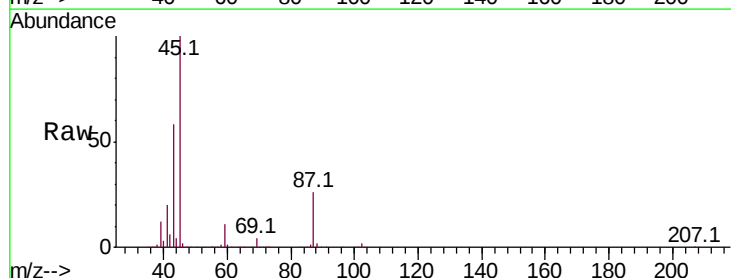
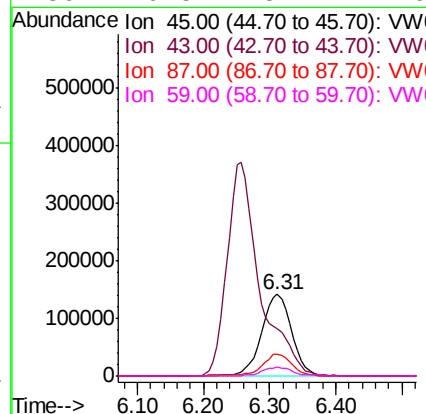
RT: 6.31 min Scan# 723

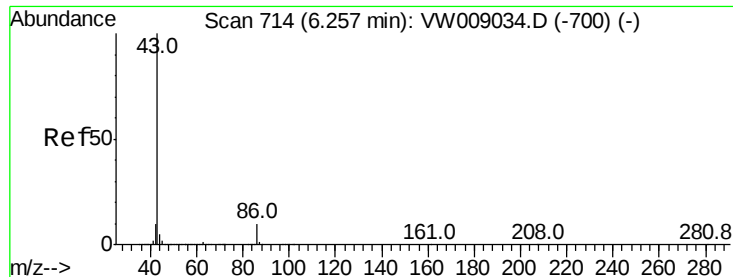
Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion:	45	Resp:	447106
Ion Ratio	Lower	Upper	
45	100		
43	58.3	46.2	69.4
87	26.3	20.1	30.1
59	10.5	8.4	12.6





#23

Vinyl Acetate

Concen: 222.239 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1262824

Ion Ratio Lower Upper

43 100

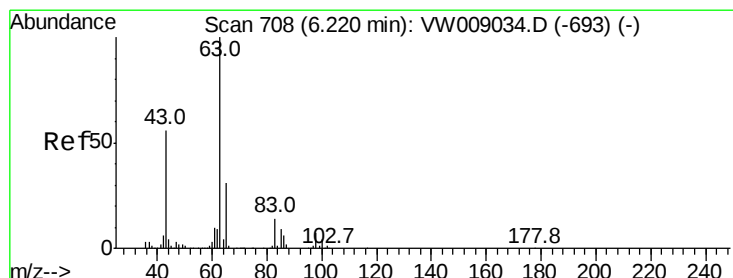
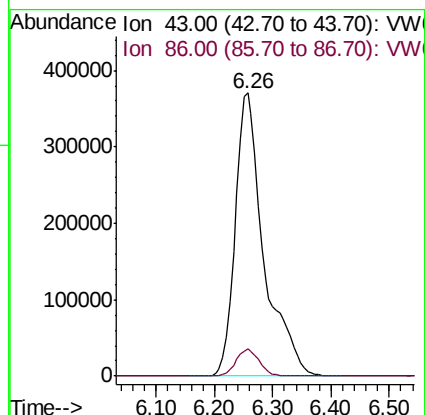
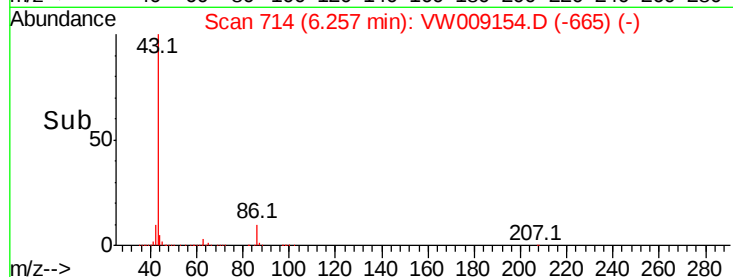
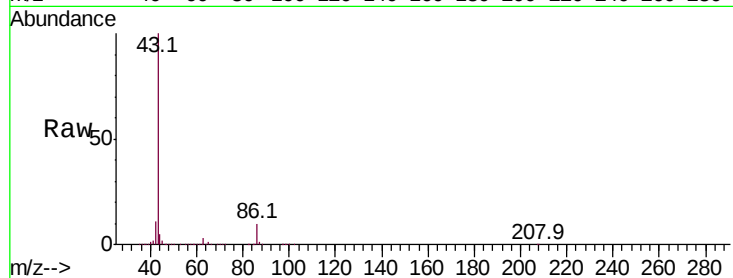
86 9.5 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.777 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

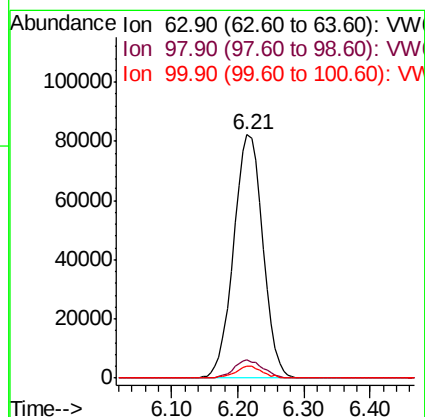
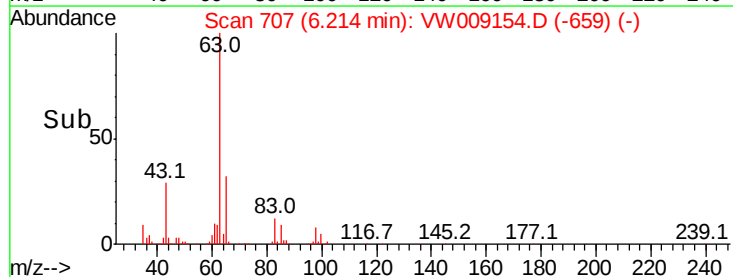
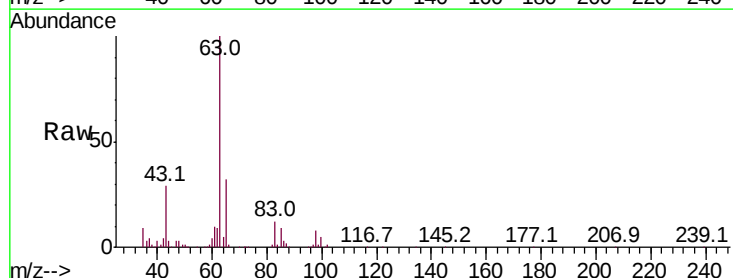
Tgt Ion: 63 Resp: 253043

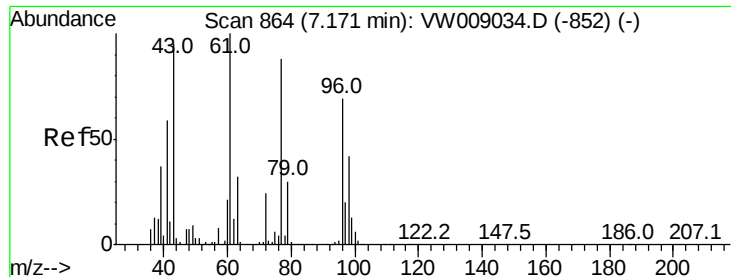
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 203.439 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 185011

Ion Ratio Lower Upper

43 100

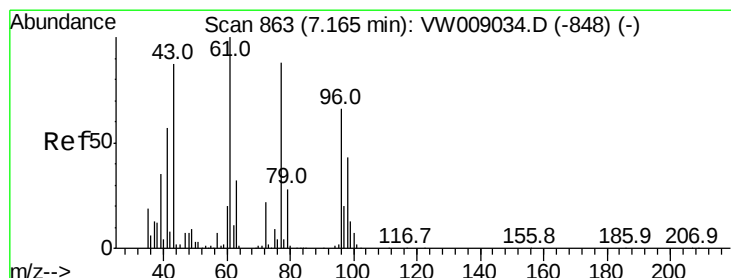
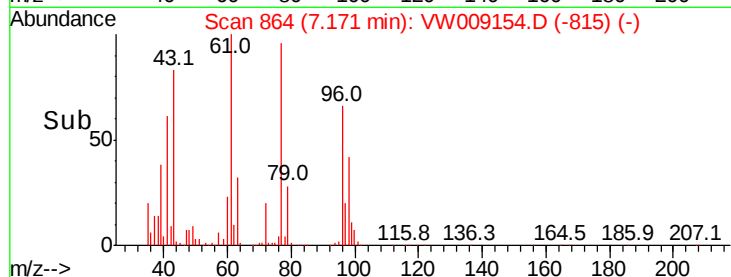
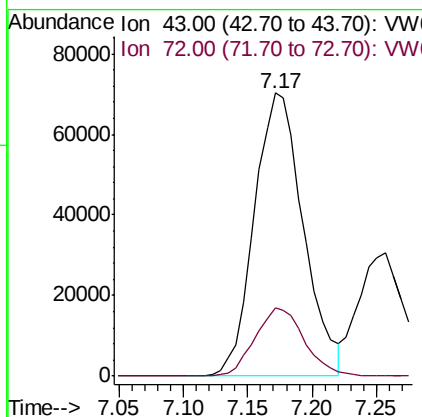
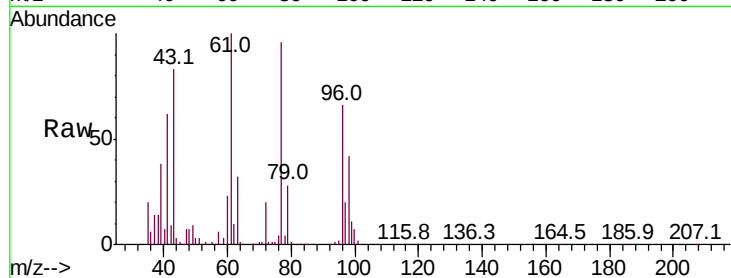
72 24.0 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.440 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009154.D

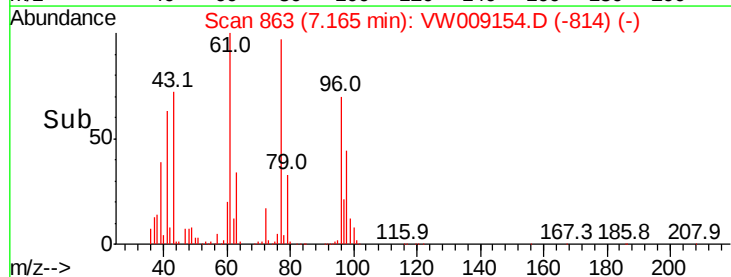
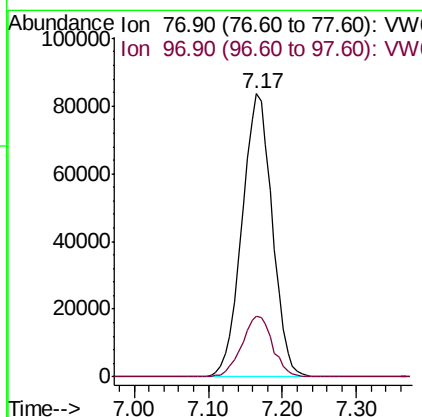
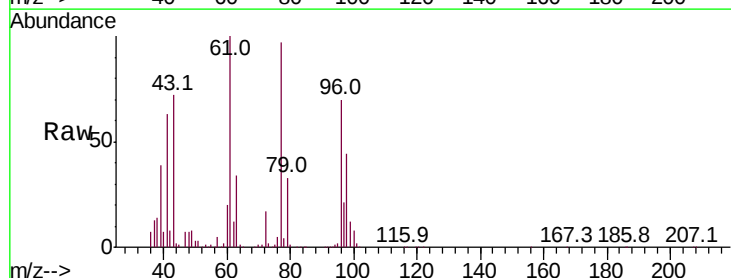
Acq: 13 Mar 2019 14:18

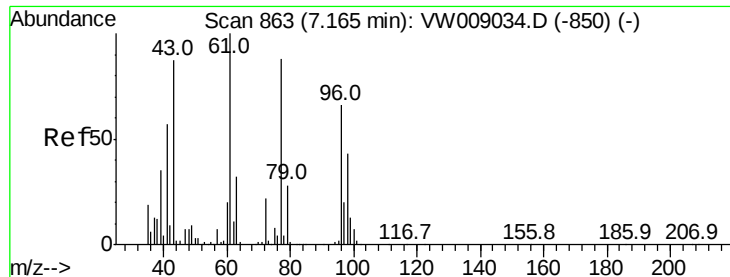
Tgt Ion: 77 Resp: 238014

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.9





#27

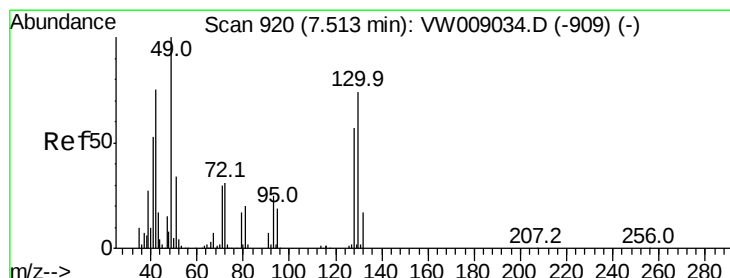
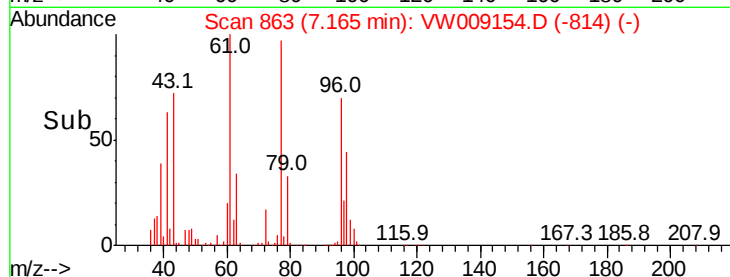
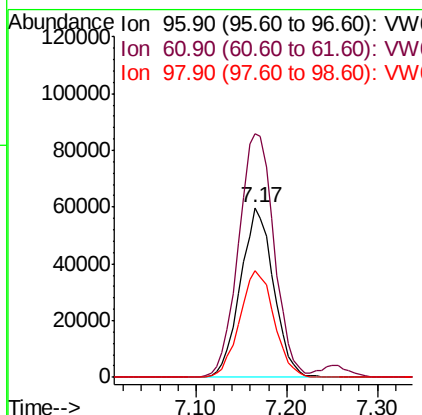
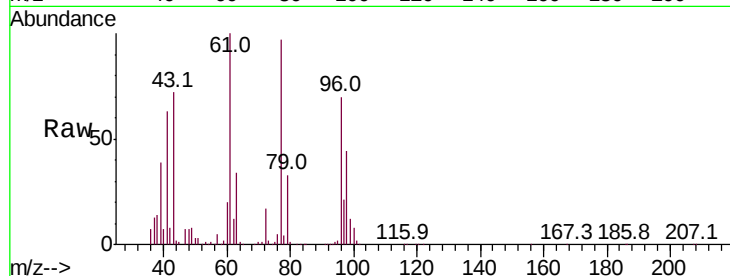
cis-1,2-Dichloroethene
Concen: 46.959 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.8	0.0	299.8	
98	64.9	0.0	127.2	

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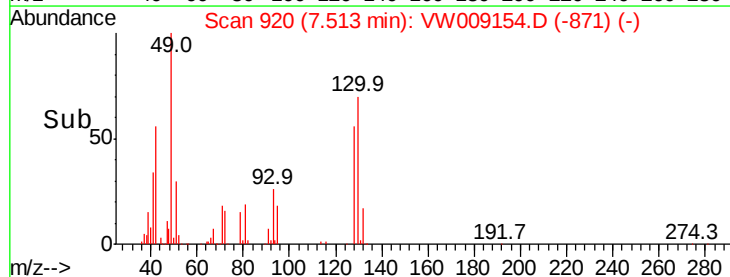
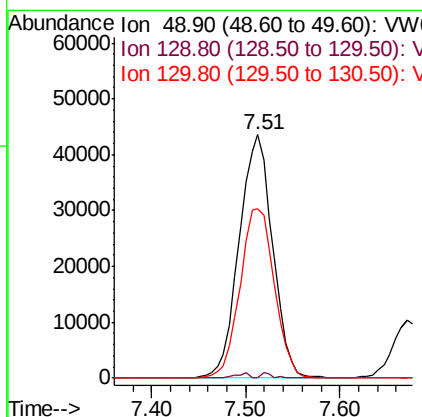
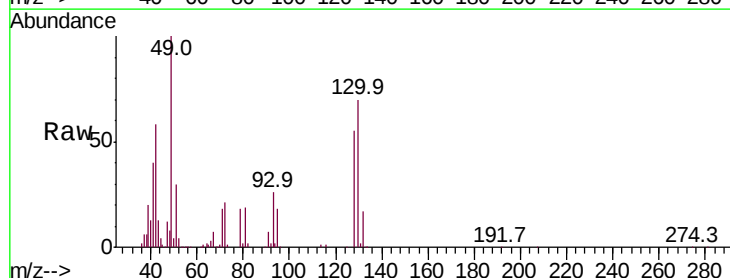
MMDadoda
3/14/2019 12:43:28 PM

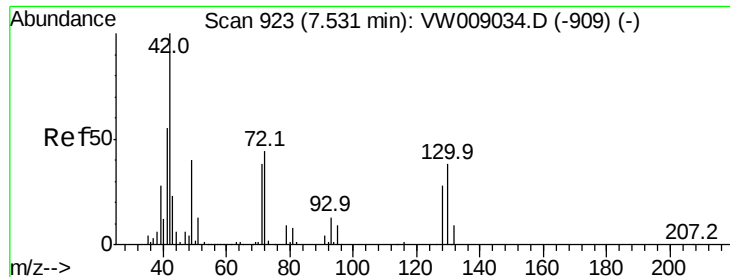


#28

Bromochloromethane
Concen: 49.102 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	4.6	
130	71.8	60.4	90.6	





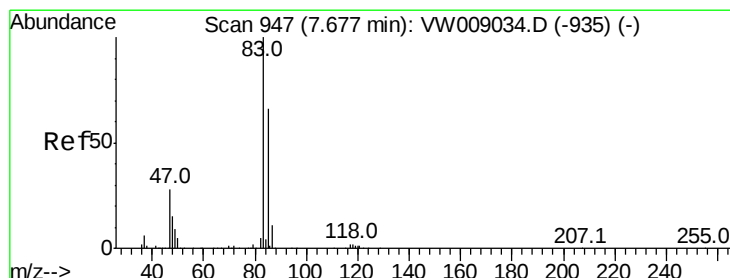
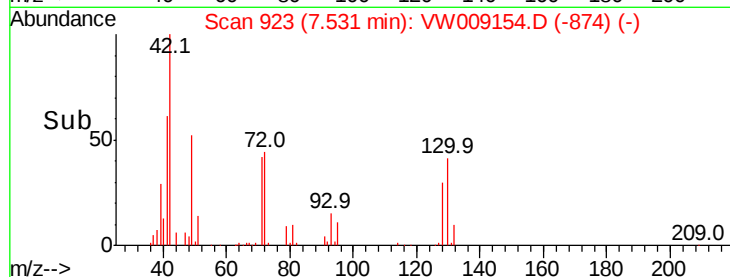
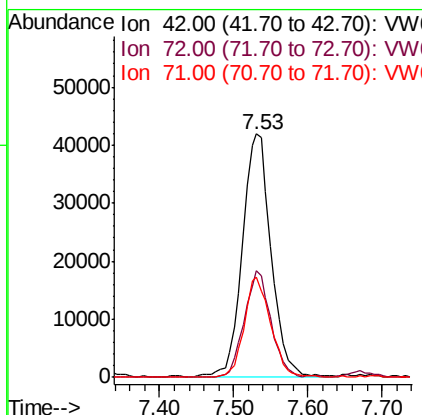
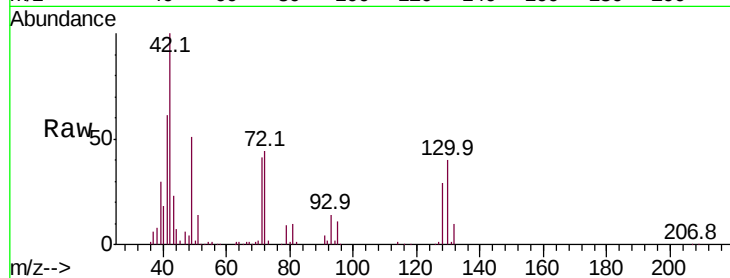
#29
Tetrahydrofuran
Concen: 197.417 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.4
71	38.1	30.7	46.1

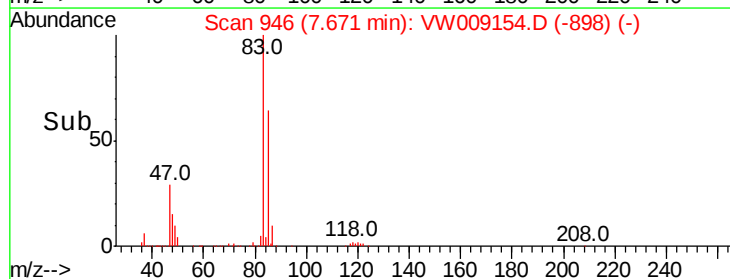
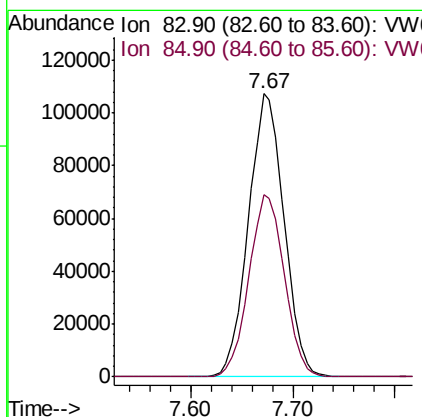
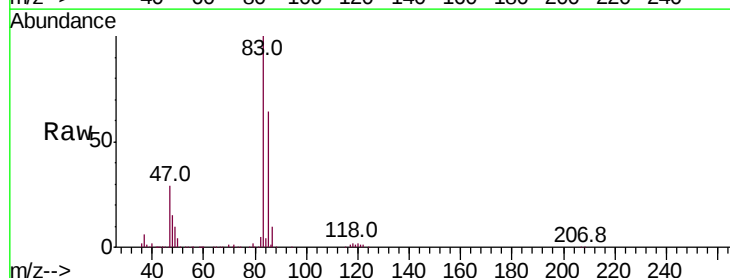
Manual Integrations
APPROVED

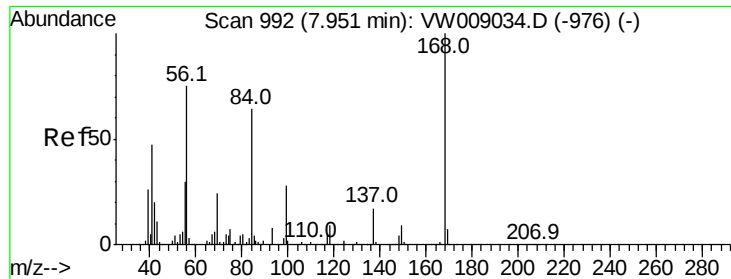
MMDadoda
3/14/2019 12:43:28 PM



#30
Chloroform
Concen: 47.774 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.0	79.6





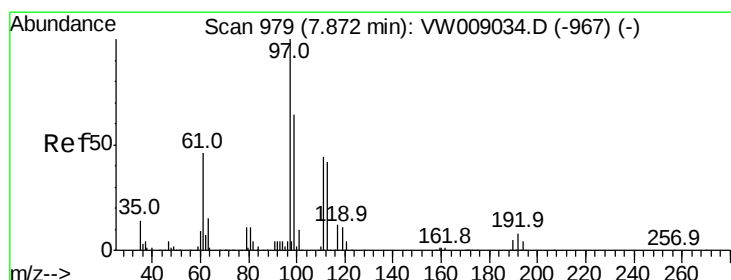
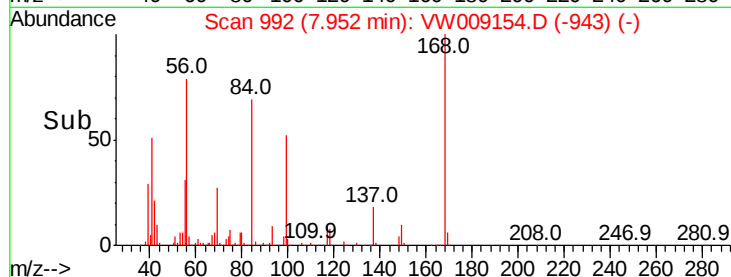
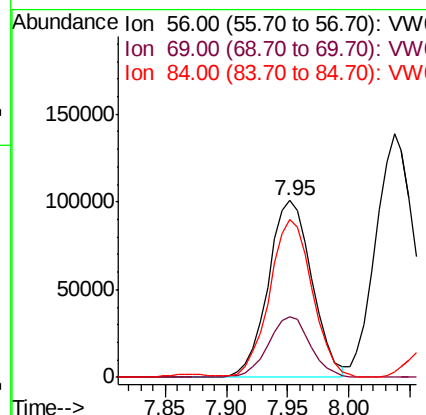
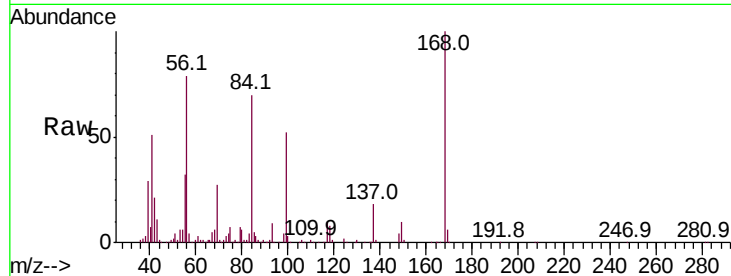
#31
Cyclohexane
Concen: 46.131 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.5	38.3
84	87.8	68.6	103.0

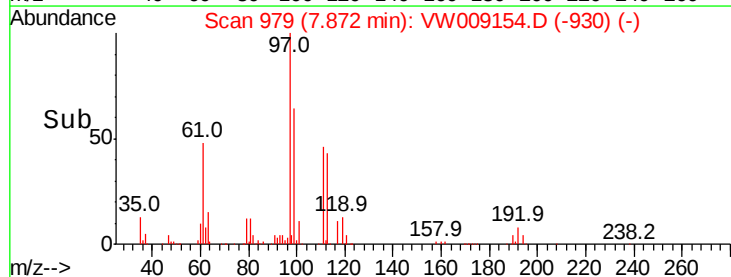
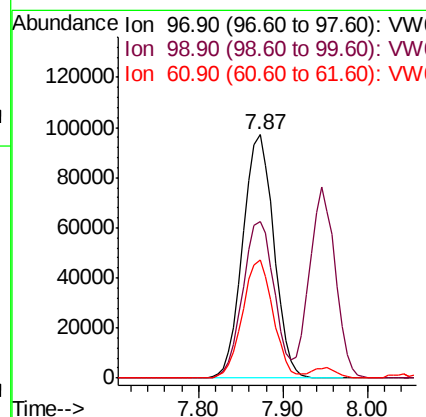
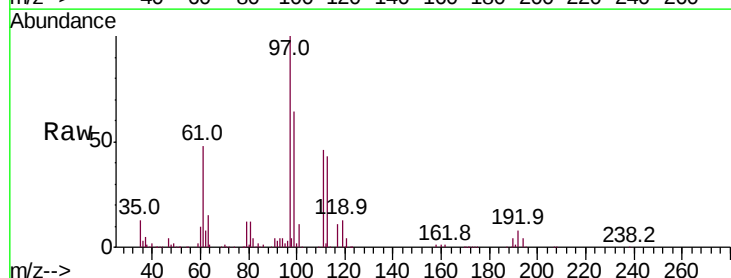
Manual Integrations
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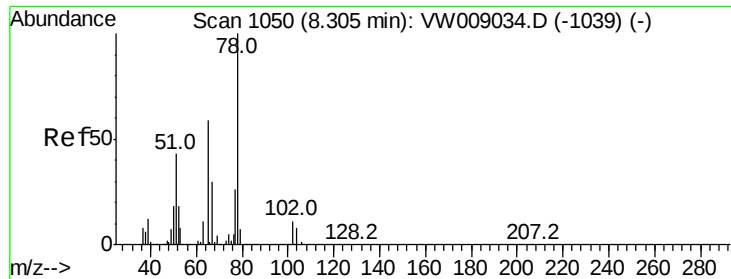
MMDadoda
3/14/2019 12:43:28 PM



#32
1,1,1-Trichloroethane
Concen: 48.051 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.8
61	47.9	37.3	55.9





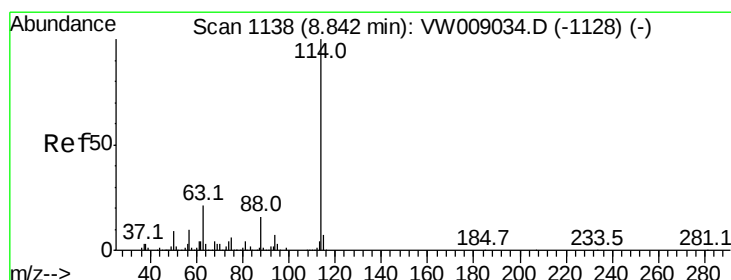
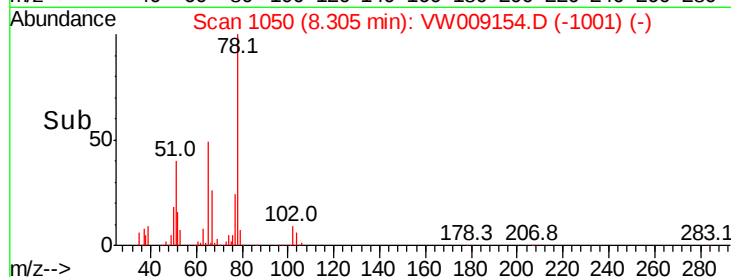
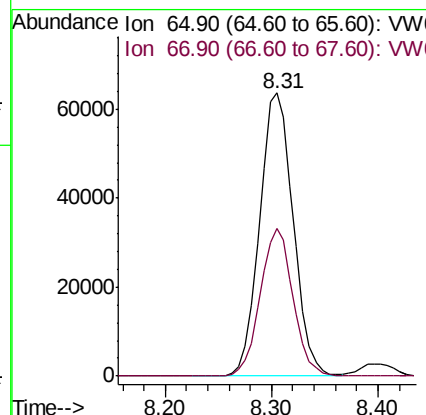
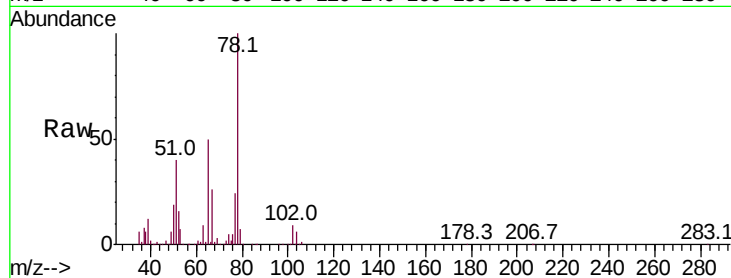
#33
 1,2-Dichloroethane-d4
 Concen: 48.265 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140743		
67	50.8	0.0	103.0	

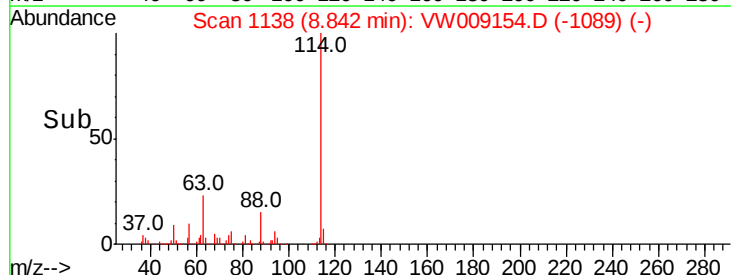
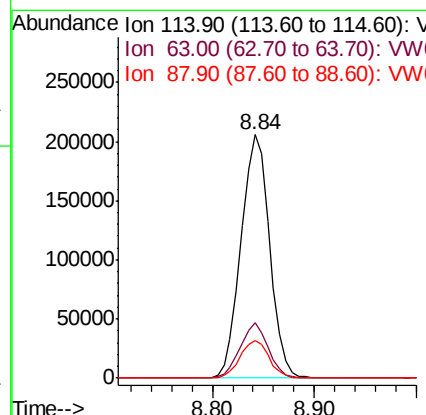
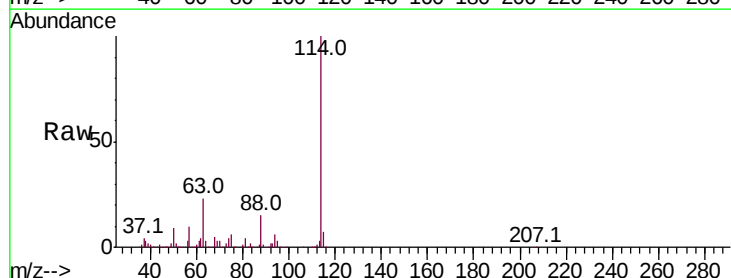
Manual Integrations
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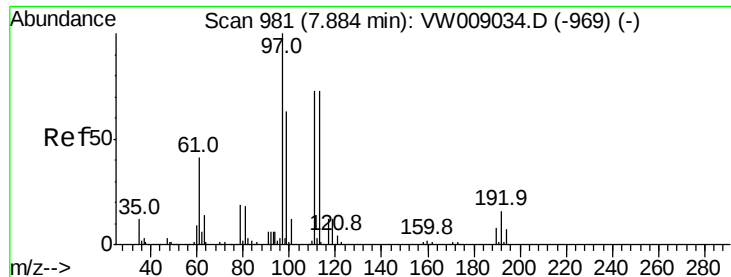
MMDadoda
 3/14/2019 12:43:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400093		
63	22.8	0.0	41.2	
88	15.5	0.0	31.2	





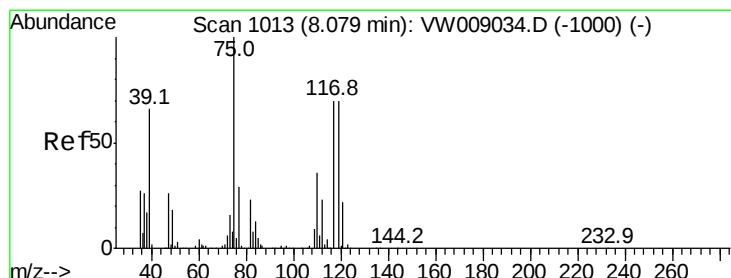
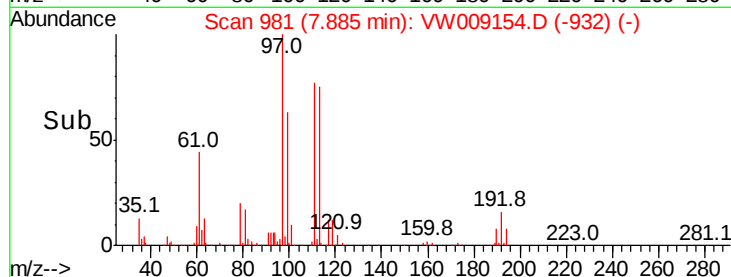
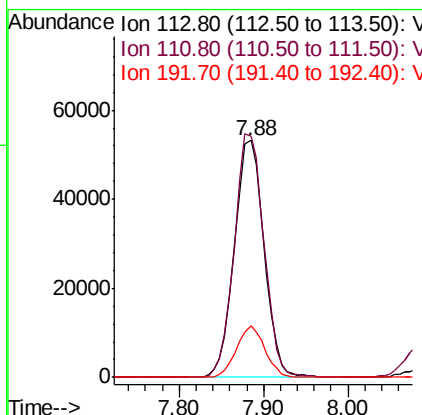
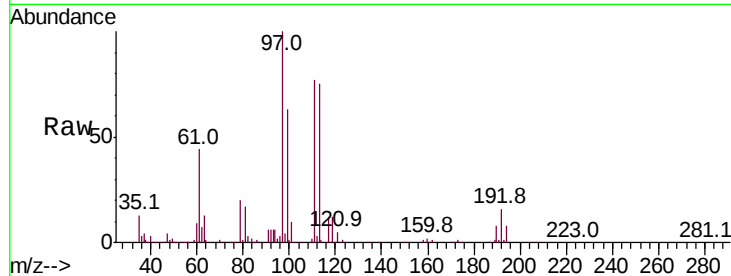
#35
Dibromofluoromethane
Concen: 52.438 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	20.7	17.1	25.7

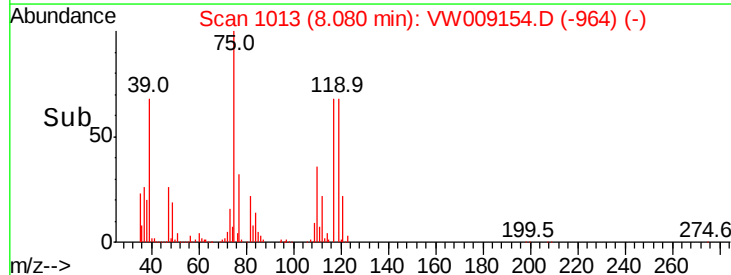
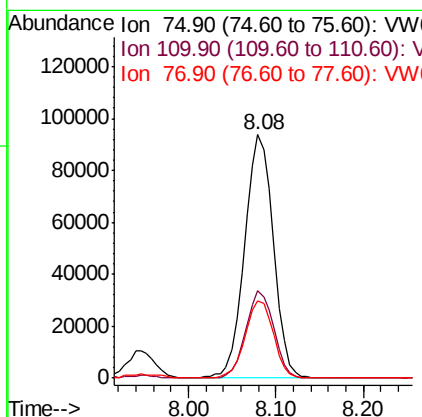
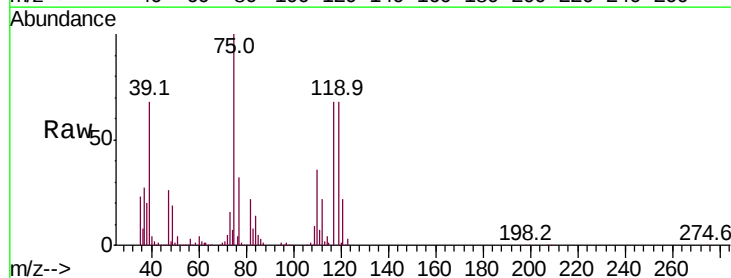
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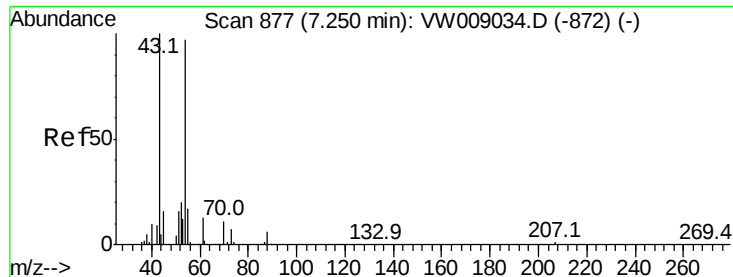
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#36
1,1-Dichloropropene
Concen: 50.979 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.5	25.1	37.7





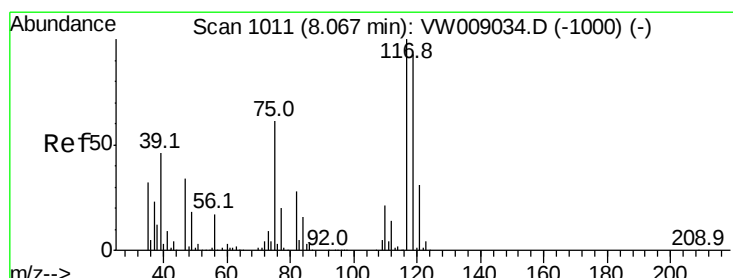
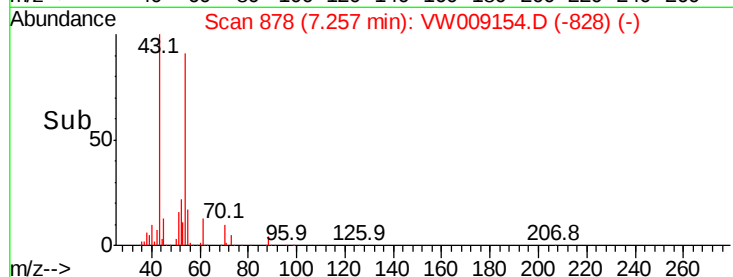
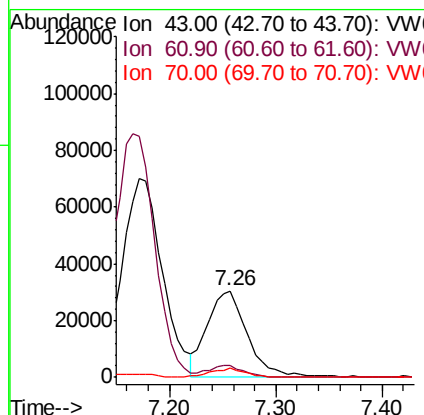
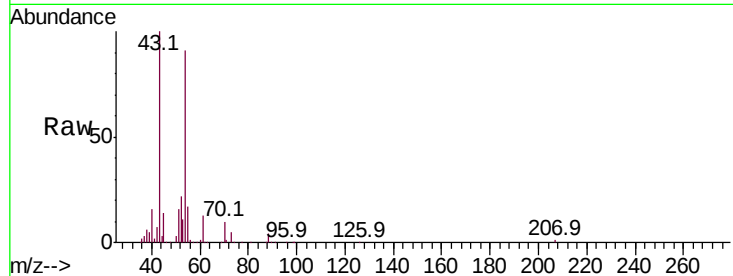
#37
Ethyl Acetate
Concen: 39.263 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ratio	100	11.6	9.8
Lower		9.8	7.2
Upper		14.6	10.8

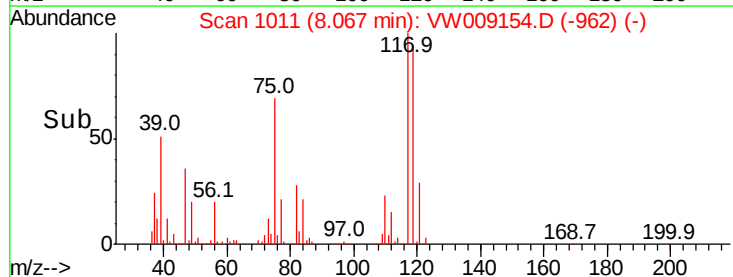
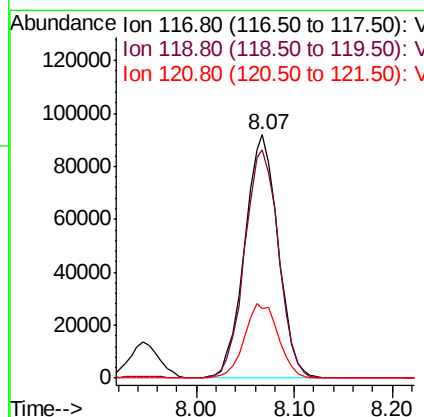
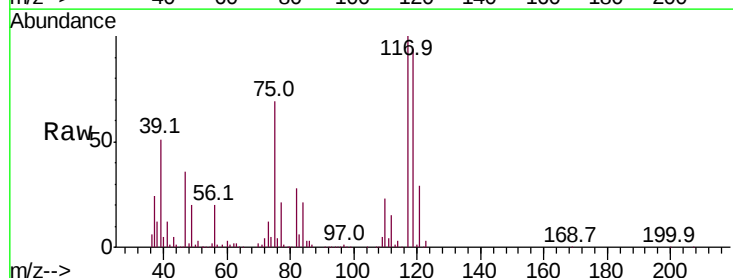
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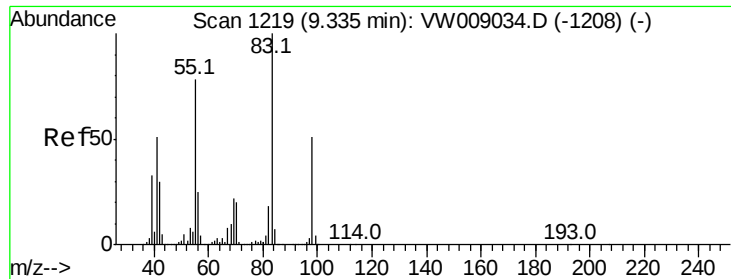
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.534 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	117	119	121
Ratio	100	93.8	28.8
Lower		74.6	24.7
Upper		112.0	37.1





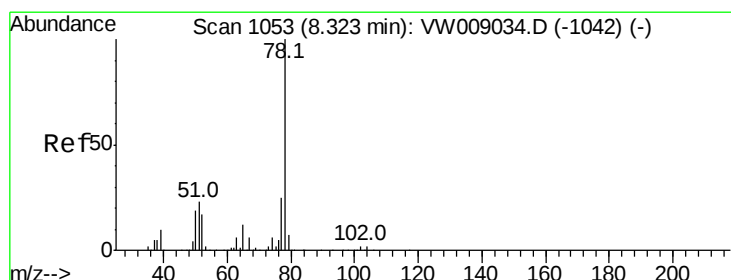
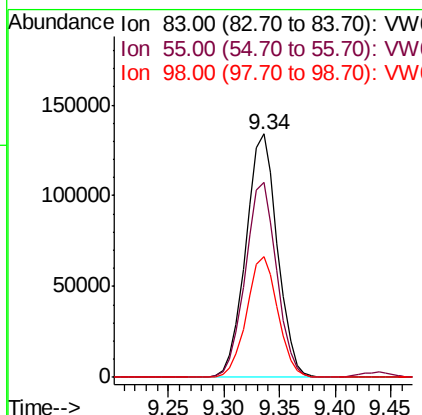
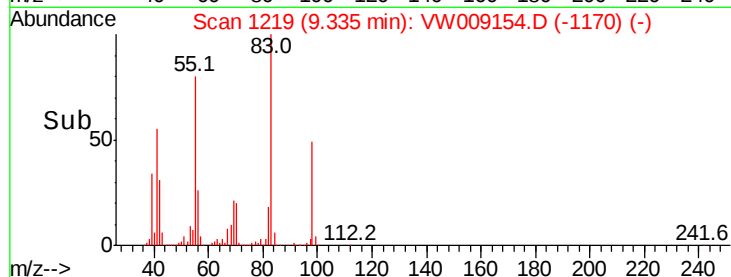
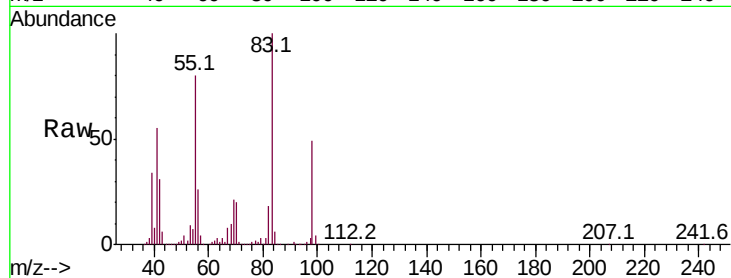
#39
Methvlcvclohexane
Concen: 53.060 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	264386
Ion Ratio	100	Lower	Upper
83	100		
55	80.1	62.7	94.1
98	49.5	40.8	61.2

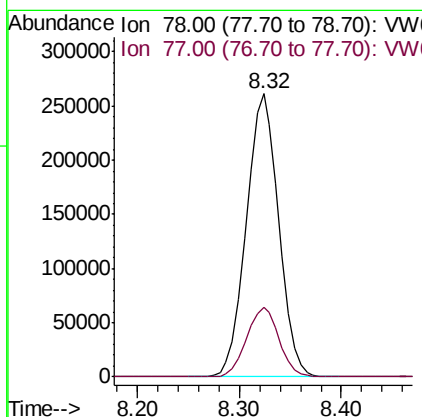
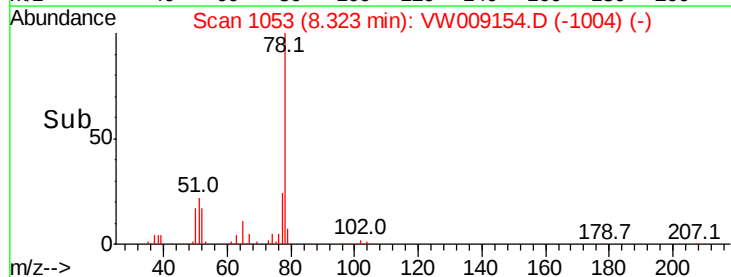
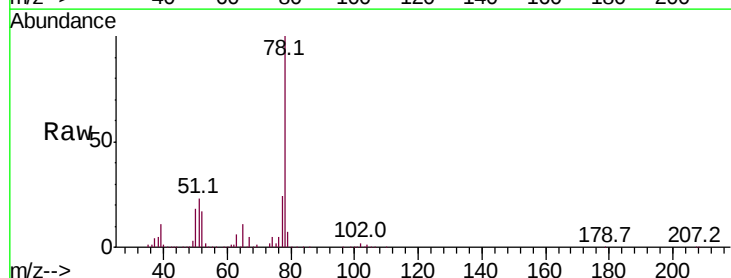
Manual Integrations
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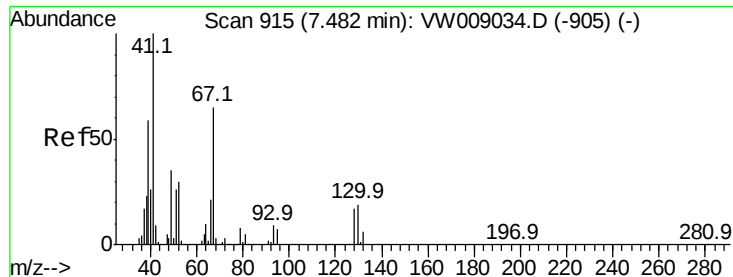
MMDadoda
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#40
Benzene
Concen: 51.603 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	78	Resp	576277
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	20.2	30.4





#41

Methacrylonitrile

Concen: 47.694 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 52043

Ion Ratio Lower Upper

41 100

39 55.3 53.6 80.4

67 60.5 57.6 86.4

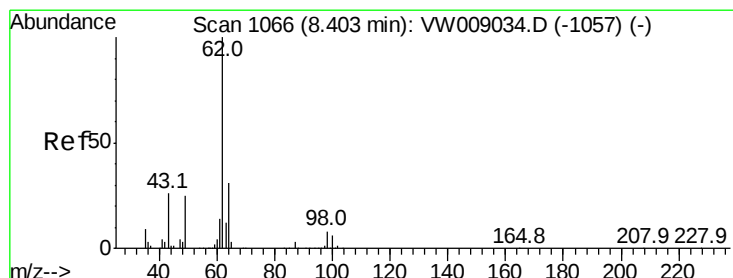
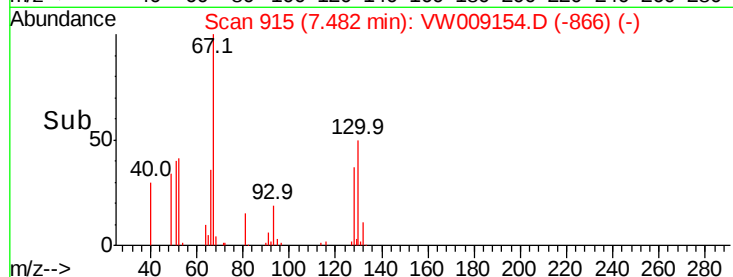
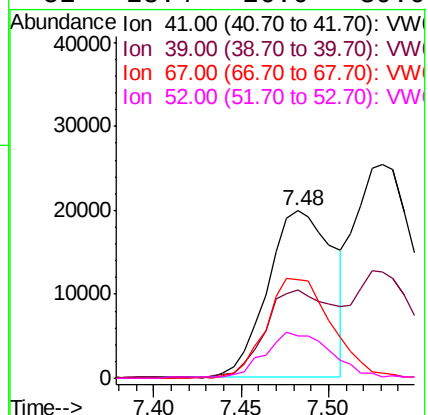
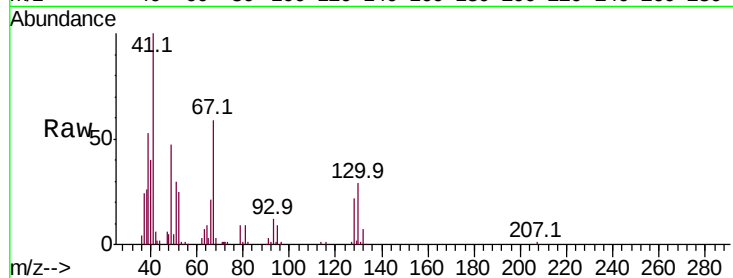
52 28.4 26.0 39.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 47.367 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009154.D

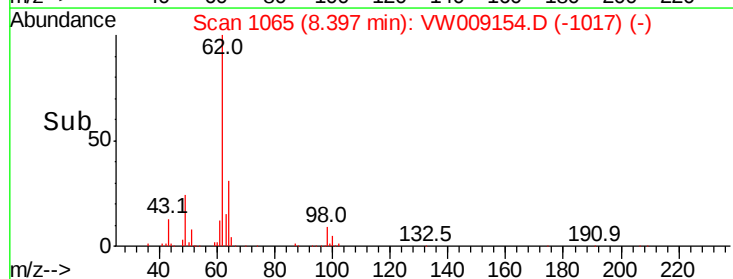
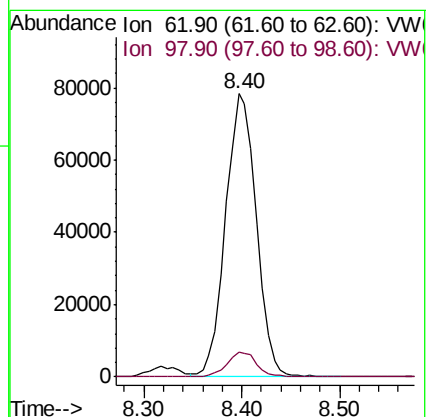
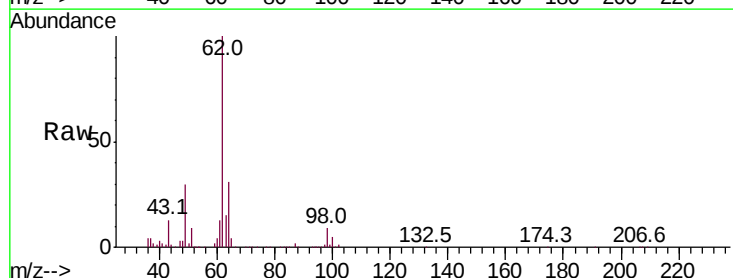
Acq: 13 Mar 2019 14:18

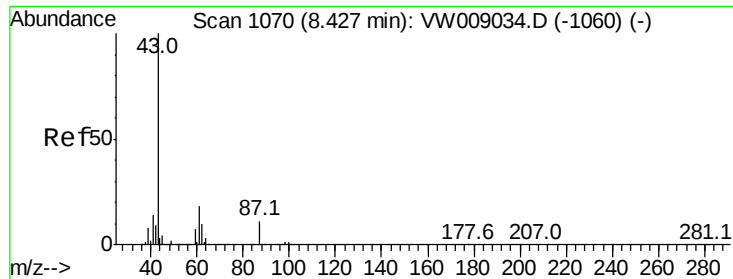
Tgt Ion: 62 Resp: 170773

Ion Ratio Lower Upper

62 100

98 8.5 0.0 17.6





#43

Isopropyl Acetate

Concen: 43.696 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

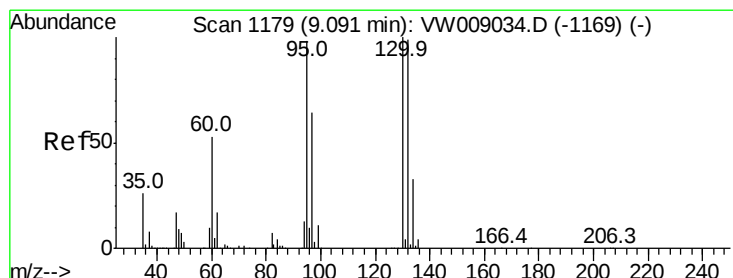
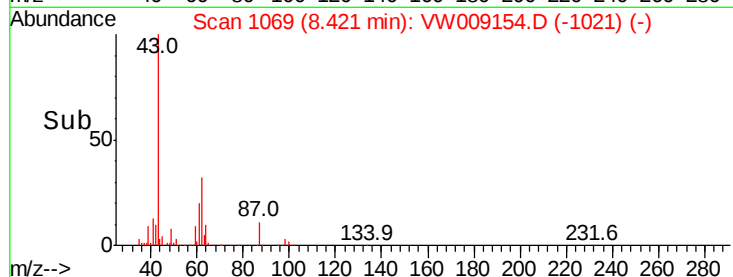
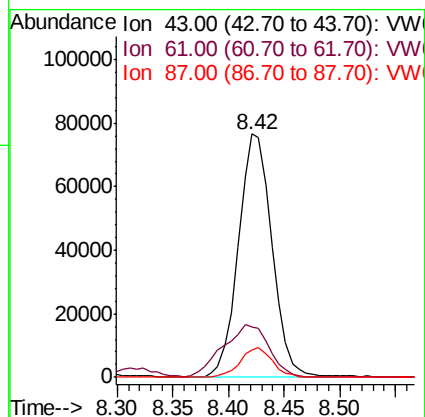
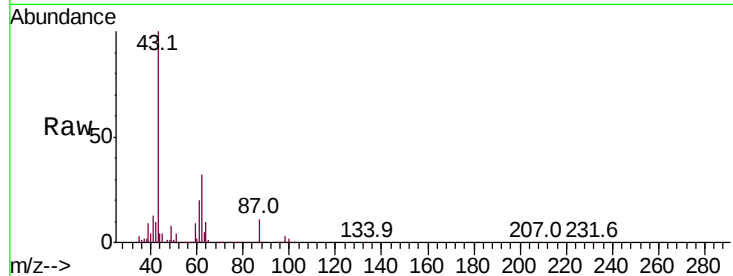
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	159919
Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.8	34.2
87	11.7	9.4	14.2

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#44

Trichloroethene

Concen: 50.166 ug/l

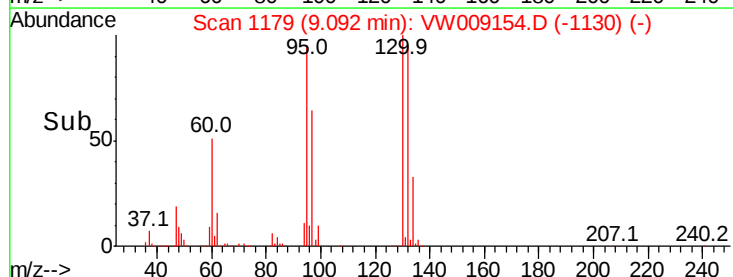
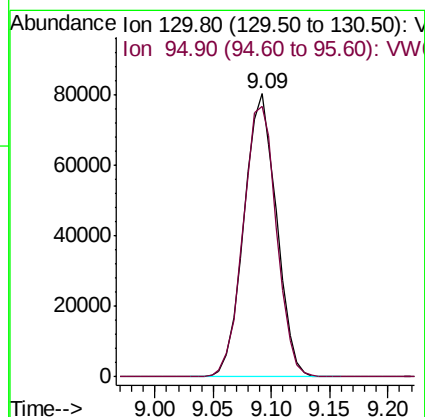
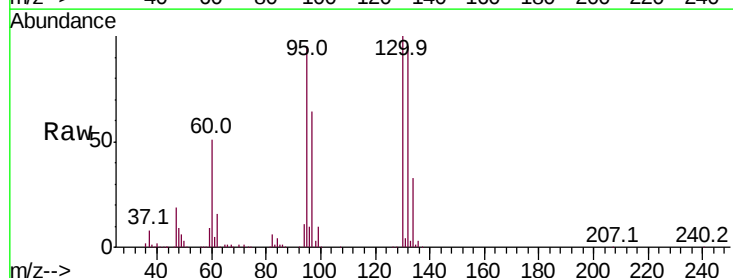
RT: 9.09 min Scan# 1179

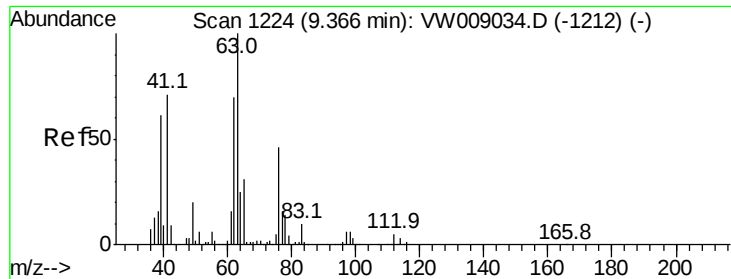
Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion:	130	Resp:	157020
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	197.0





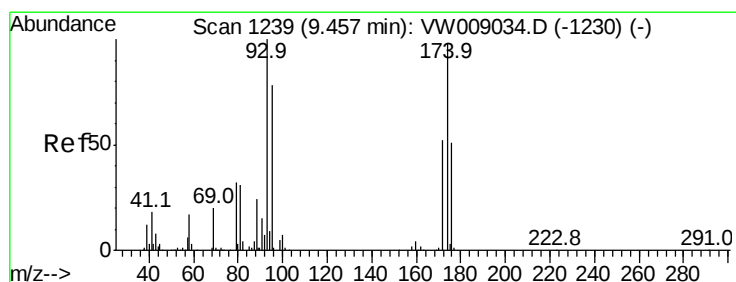
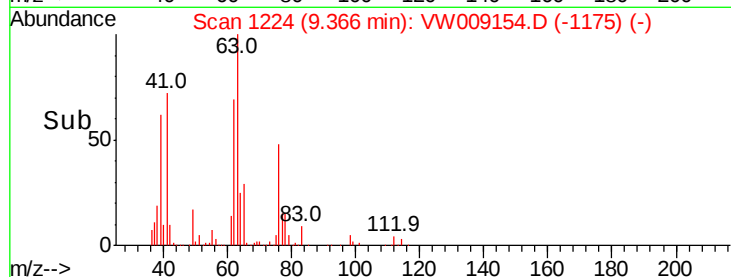
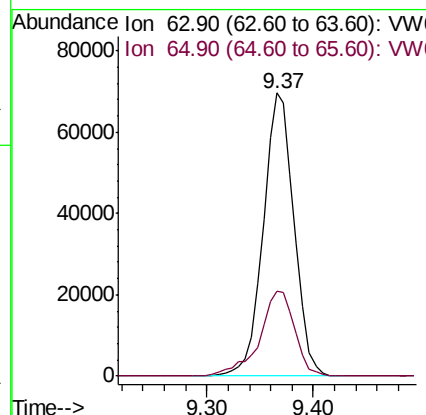
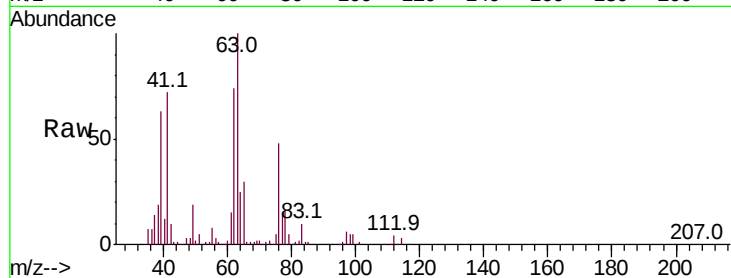
#45
 1,2-Dichloropropane
 Concen: 50.236 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.9	37.3

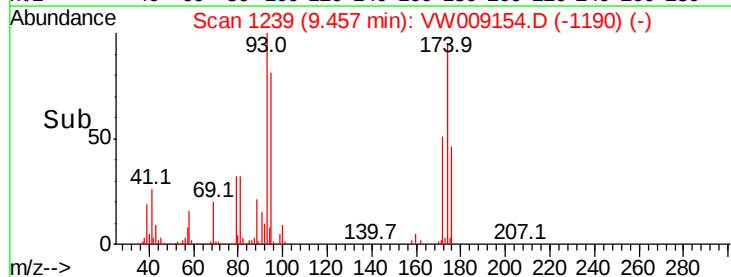
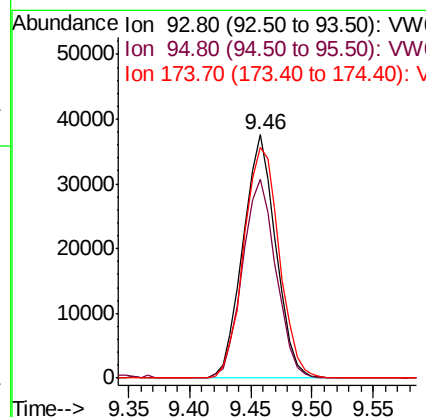
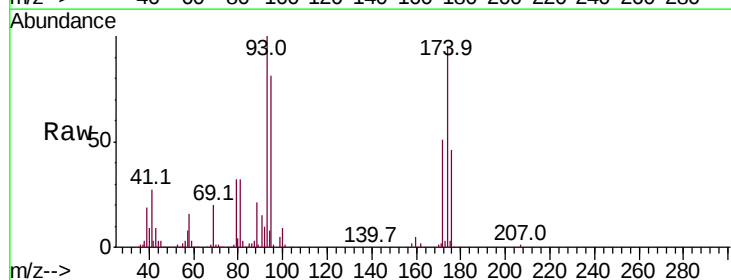
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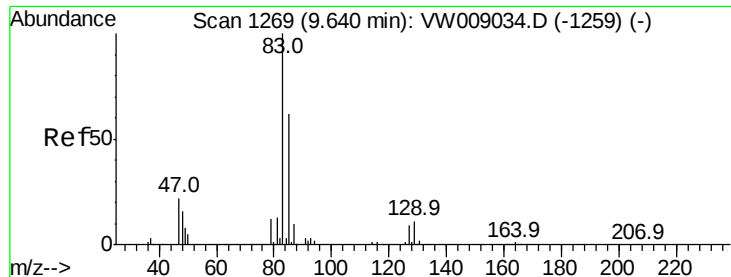
MMDadoda
 3/14/2019 12:43:28 PM



#46
 Dibromomethane
 Concen: 45.854 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.0	97.6
174	102.5	81.8	122.6





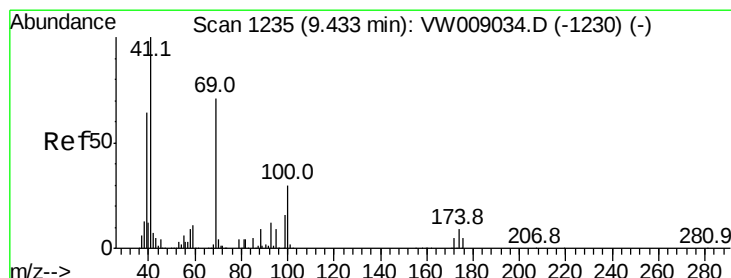
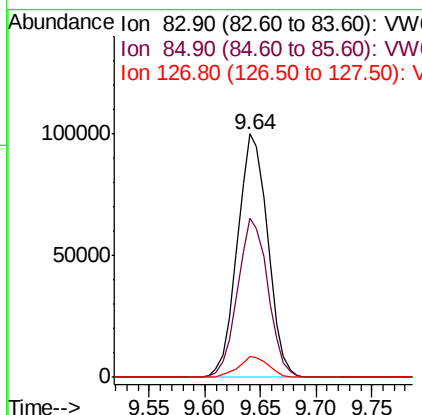
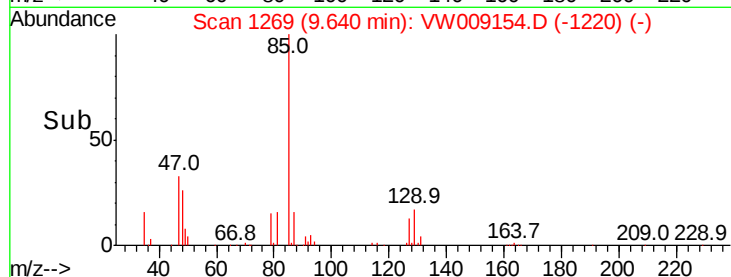
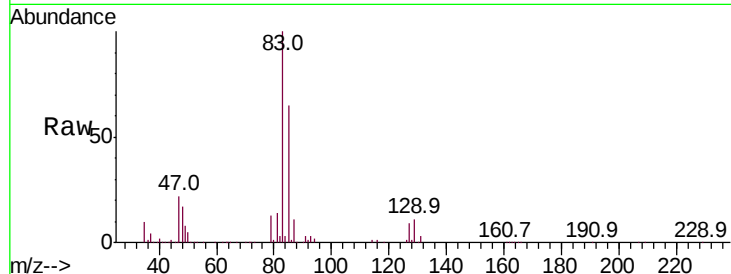
#47
Bromodichloromethane
Concen: 48.994 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189449		
85	65.2	49.9	74.9	
127	8.6	7.1	10.7	

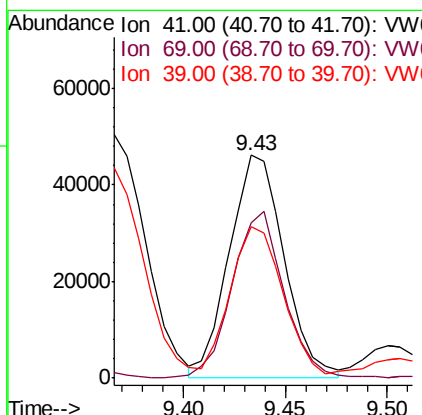
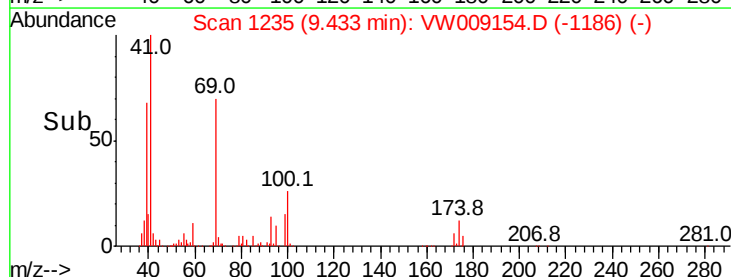
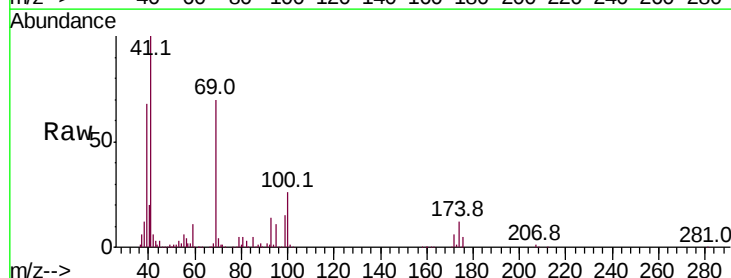
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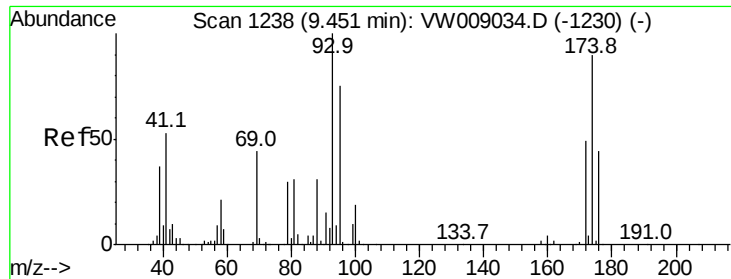
MMDadoda
3/14/2019 12:43:28 PM



#48
Methyl methacrylate
Concen: 50.270 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85666		
69	70.9	59.1	88.7	
39	61.4	48.9	73.3	





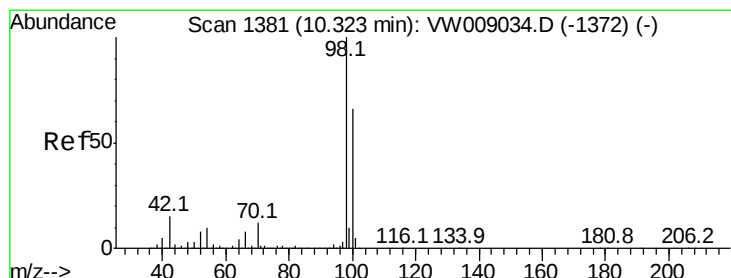
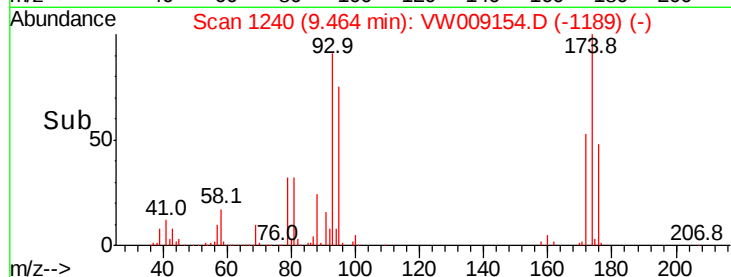
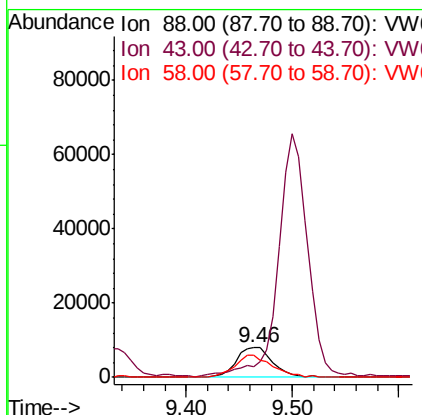
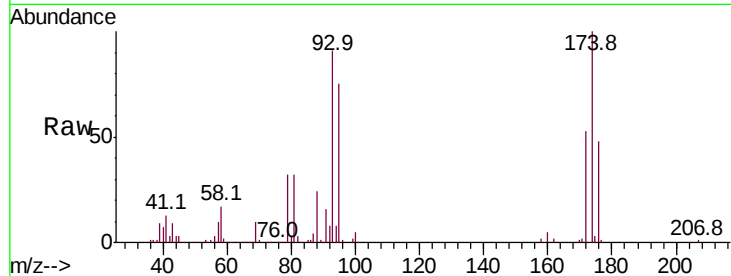
#49
1,4-Dioxane
Concen: 889.643 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19460
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	76.1	59.2	88.8

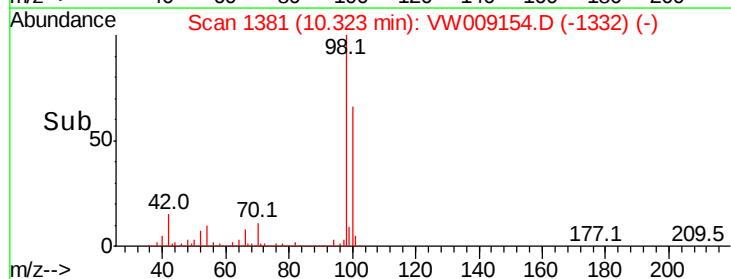
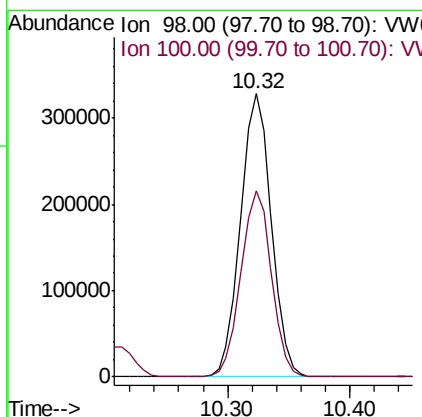
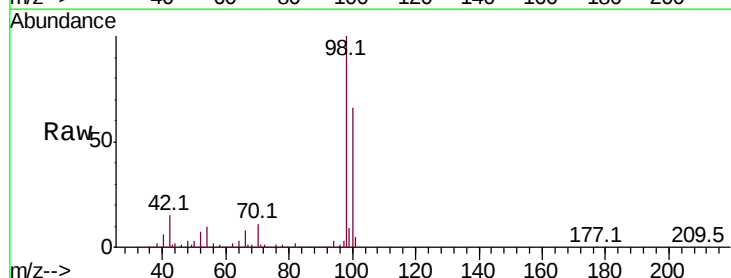
Manual Integrations
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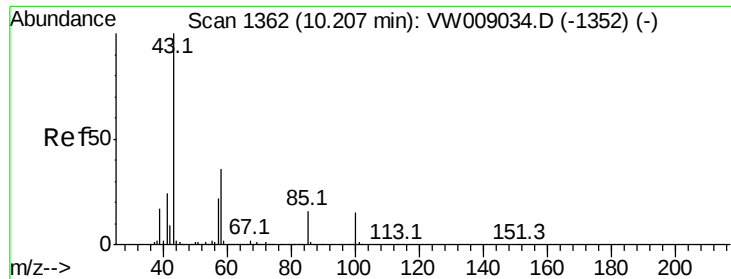
MMDadoda
3/14/2019 12:43:28 PM



#50
Toluene-d8
Concen: 57.911 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	98	Resp	572959
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 225.563 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 419085

Ion Ratio Lower Upper

43 100

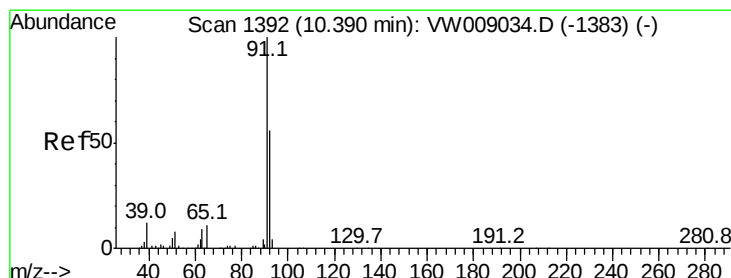
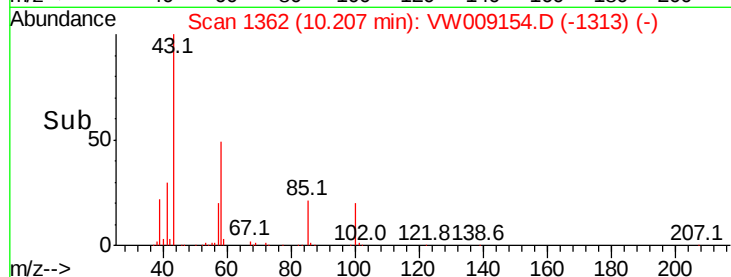
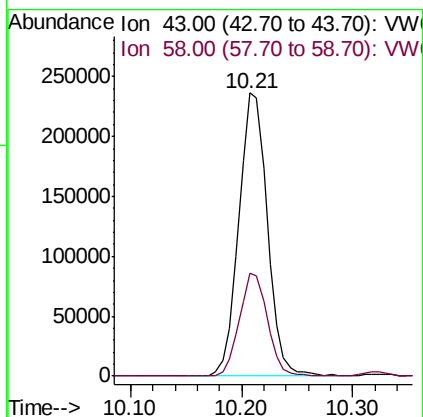
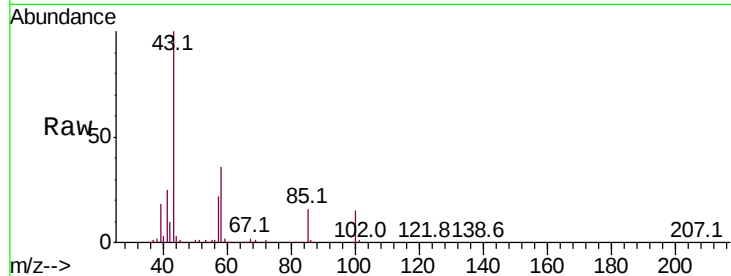
58 36.0 28.8 43.2

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#52

Toluene

Concen: 53.937 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009154.D

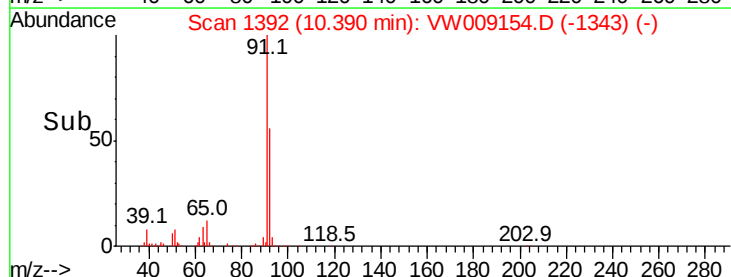
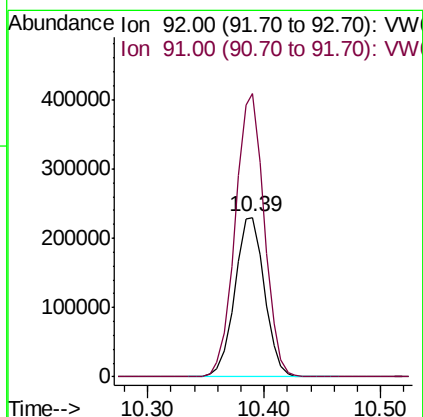
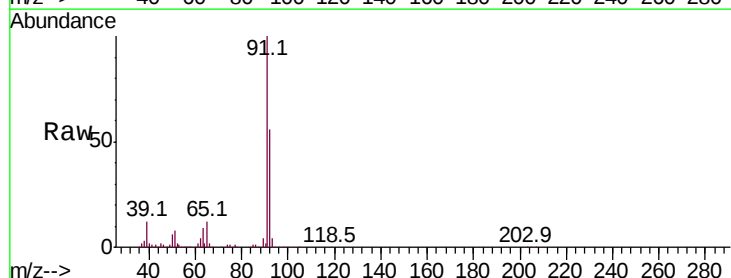
Acq: 13 Mar 2019 14:18

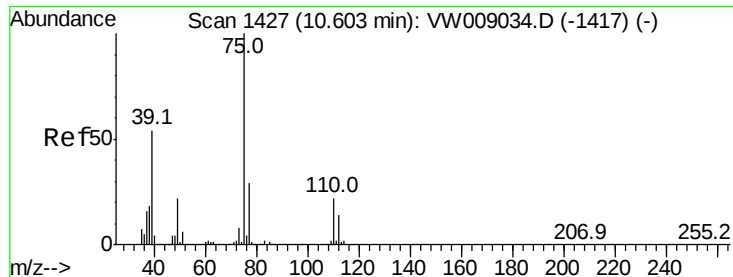
Tgt Ion: 92 Resp: 408503

Ion Ratio Lower Upper

92 100

91 173.8 139.9 209.9





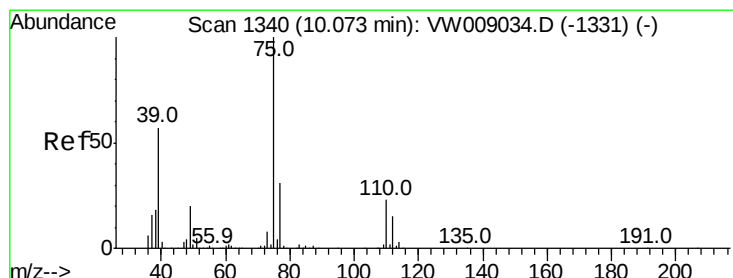
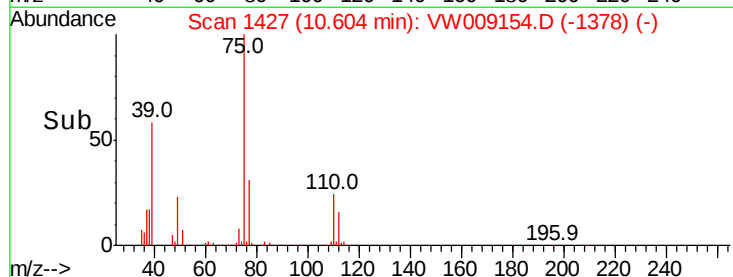
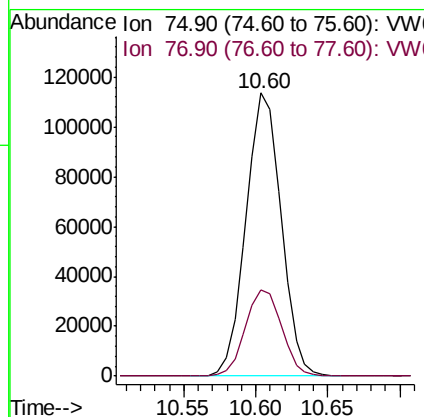
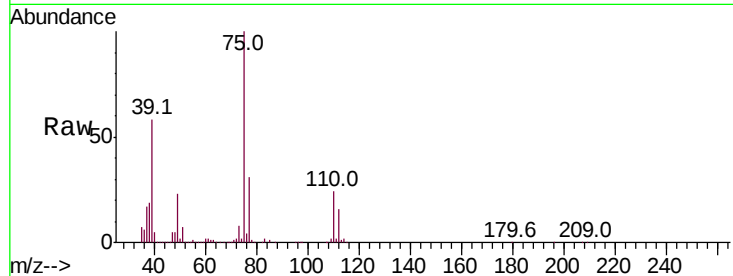
#53
t-1,3-Dichloropropene
Concen: 50.375 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	23.6	35.4

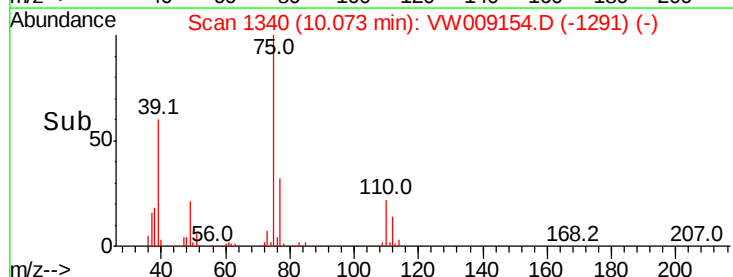
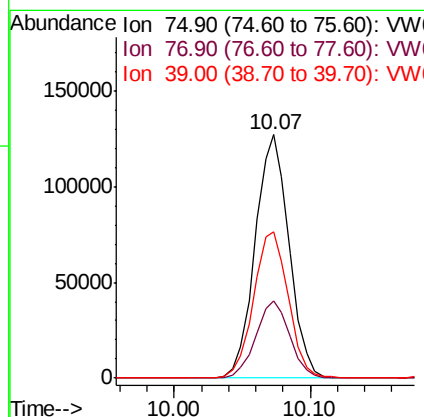
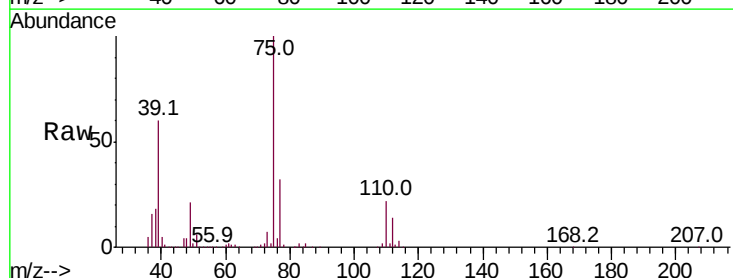
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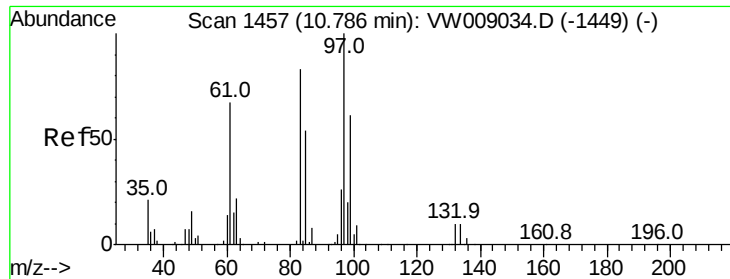
MMDadoda
3/14/2019 12:43:28 PM



#54
cis-1,3-Dichloropropene
Concen: 50.433 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	60.1	45.9	68.9





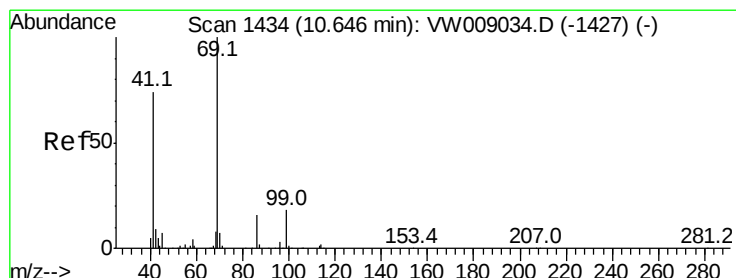
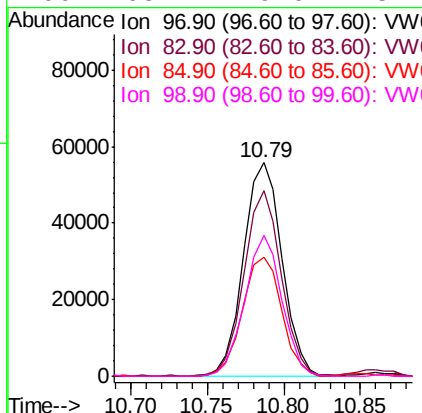
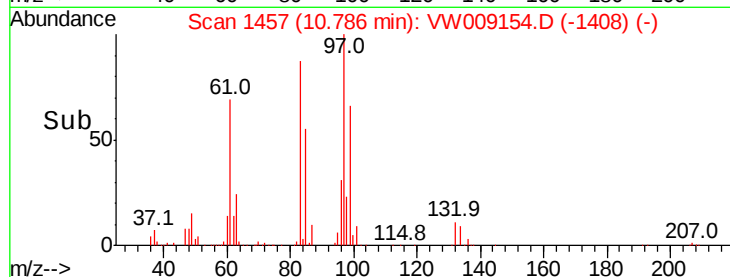
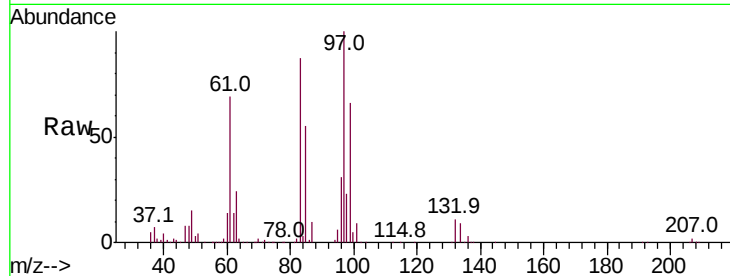
#55
 1,1,2-Trichloroethane
 Concen: 47.278 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97883		
83	86.8	66.2	99.2		
85	55.4	43.6	65.4		
99	65.7	49.0	73.4		

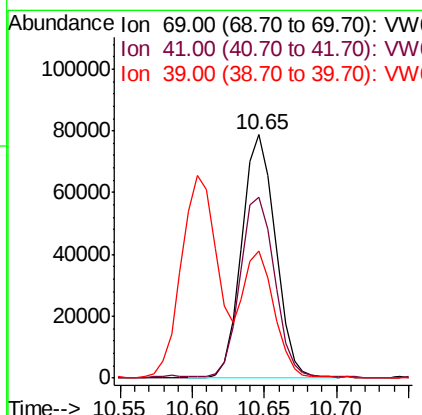
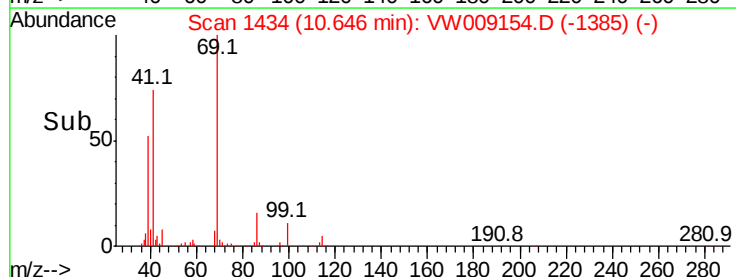
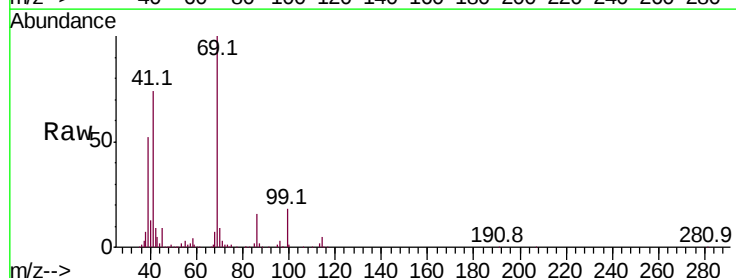
Manual Integrations
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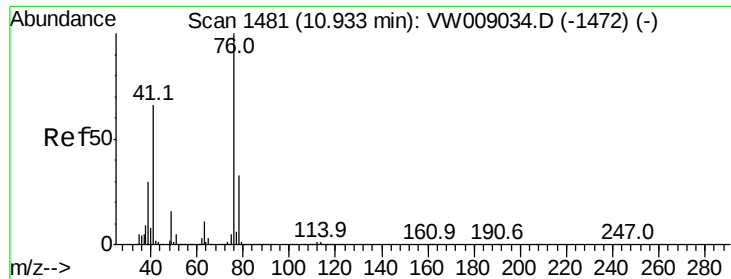
MMDadoda
 3/14/2019 12:43:28 PM



#56
 Ethyl methacrylate
 Concen: 49.801 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009154.D
 Acq: 13 Mar 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		127966		
41	76.3	59.4	89.2		
39	49.1	38.5	57.7		





#57

1,3-Dichloropropane

Concen: 46.939 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 172159

Ion Ratio Lower Upper

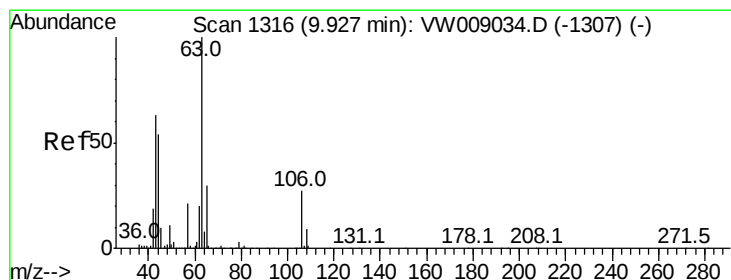
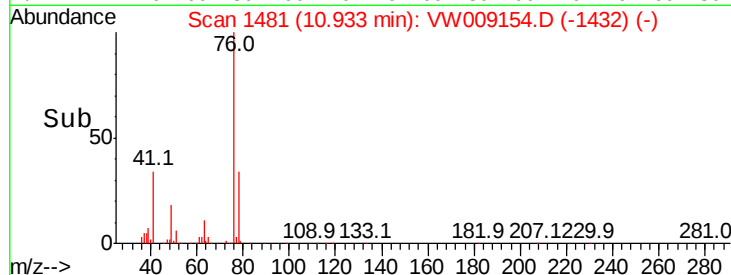
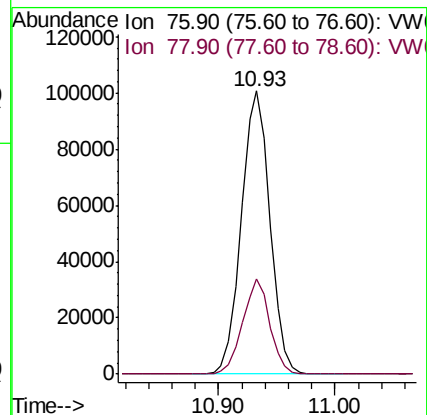
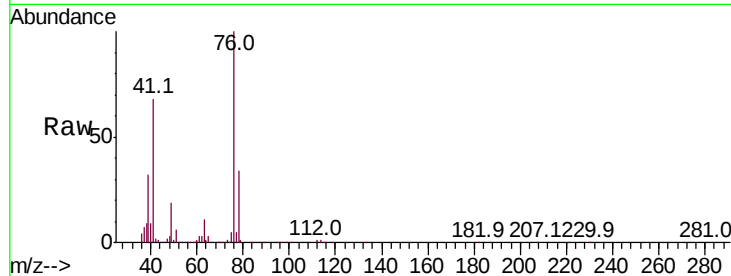
76 100

78 32.0 25.7 38.5

Manual Integrations
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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 249.106 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009154.D

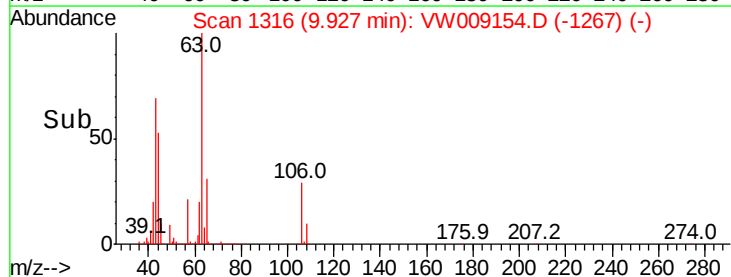
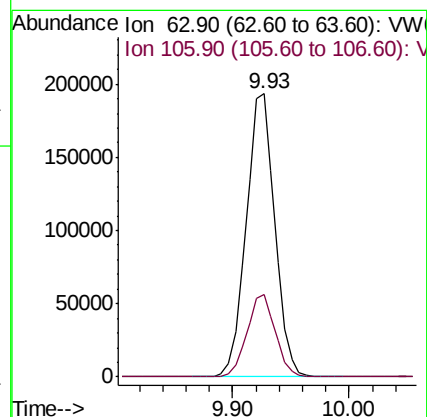
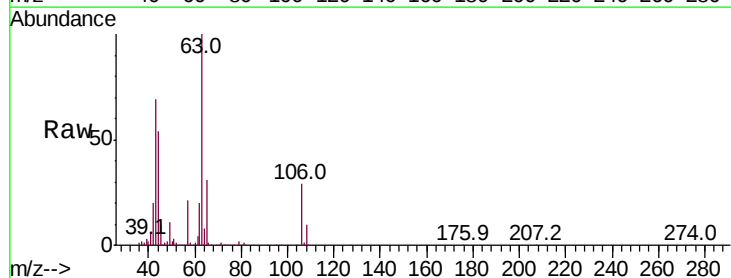
Acq: 13 Mar 2019 14:18

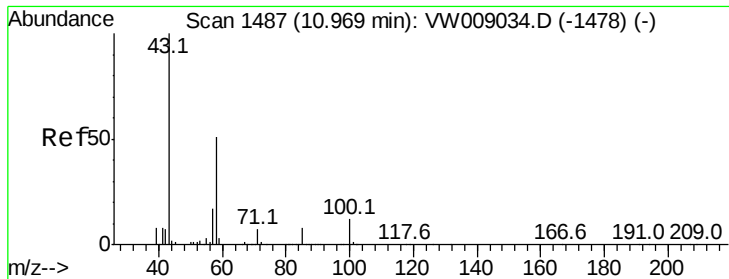
Tgt Ion: 63 Resp: 331825

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6





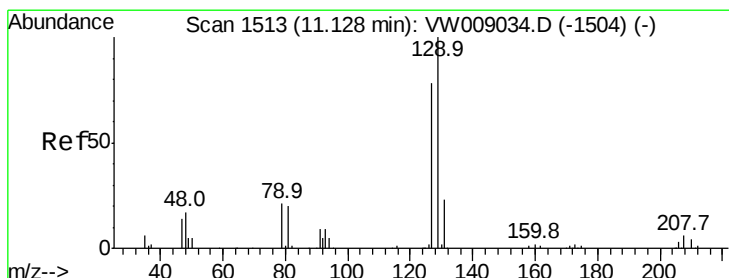
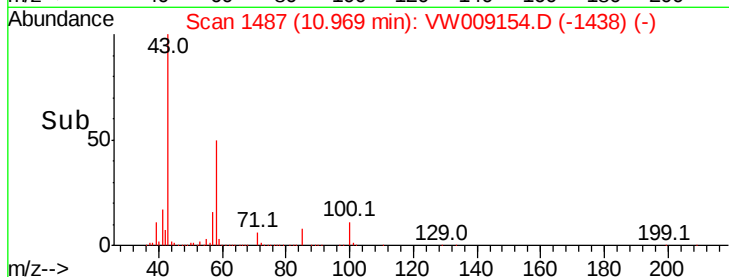
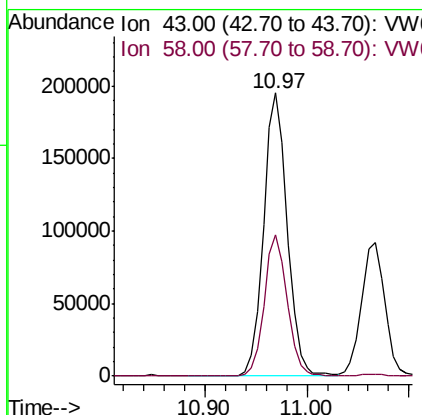
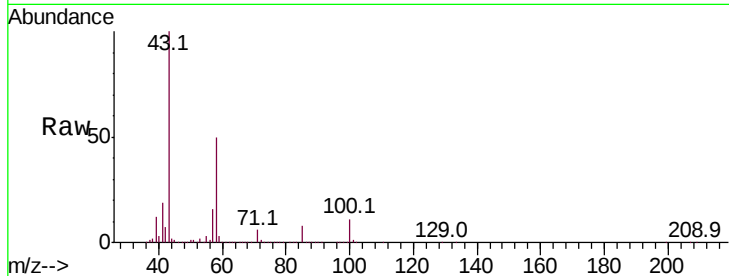
#59
2-Hexanone
Concen: 240.364 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 313987
Ion Ratio Lower Upper
43 100
58 48.6 25.3 75.9

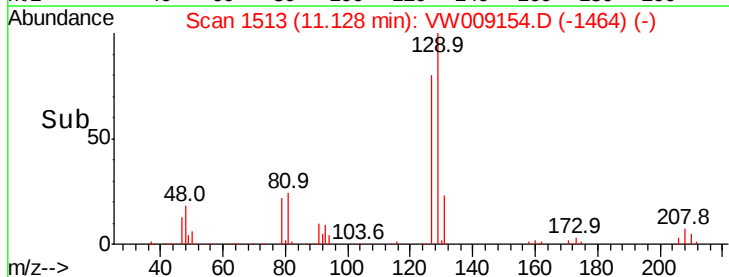
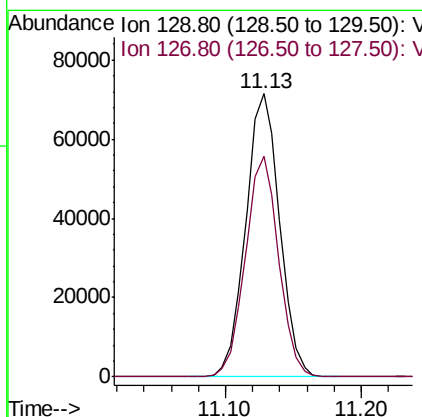
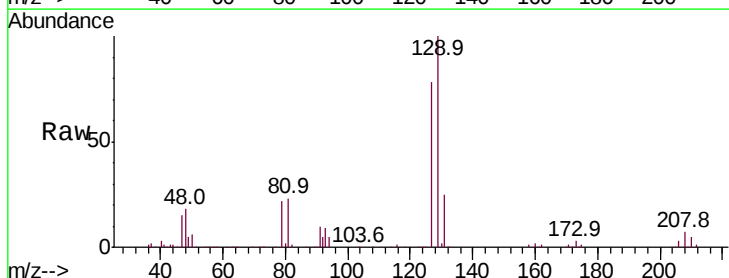
Manual Integrations
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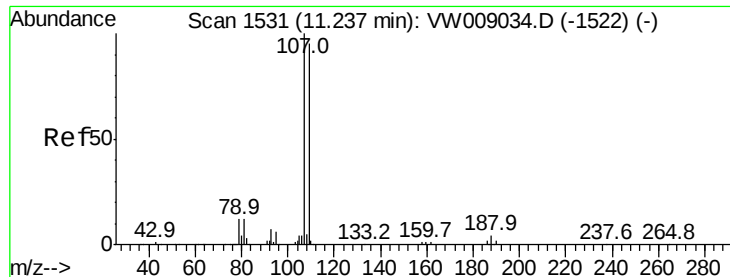
MMDadoda
3/14/2019 12:43:28 PM



#60
Dibromochloromethane
Concen: 48.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 129 Resp: 124802
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.286 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 93944

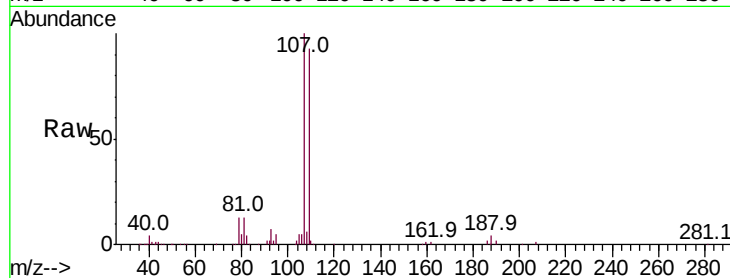
Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

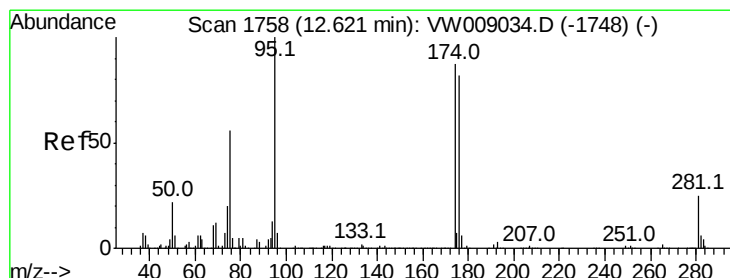
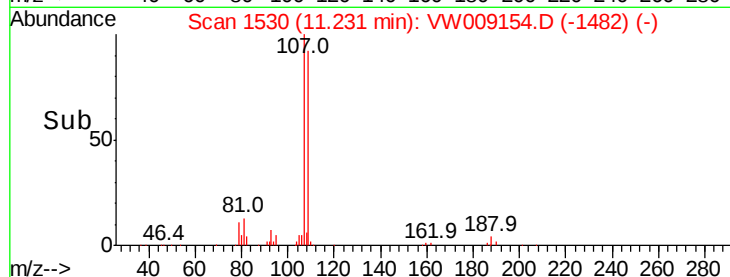
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.557 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

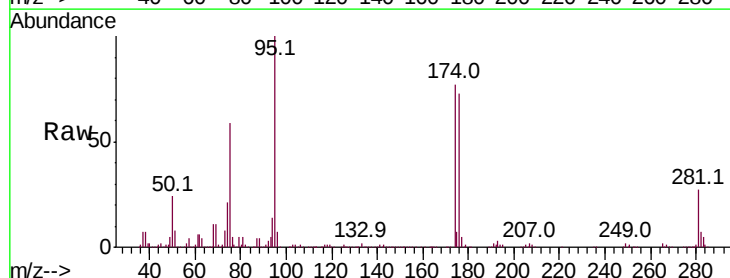
Tgt Ion: 95 Resp: 216383

Ion Ratio Lower Upper

95 100

174 82.5 0.0 167.0

176 80.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

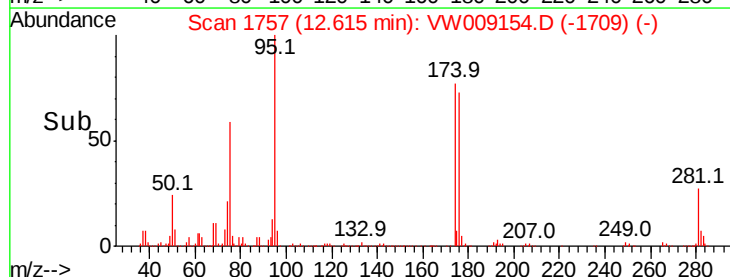
150000

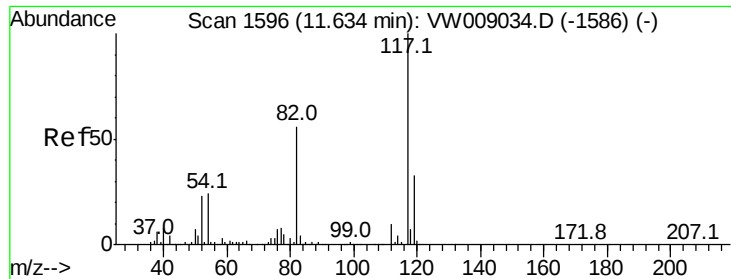
100000

50000

0

Time-->





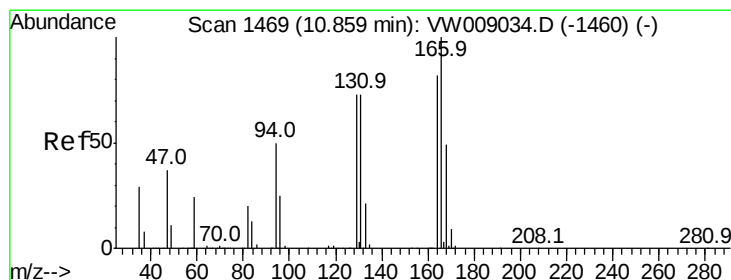
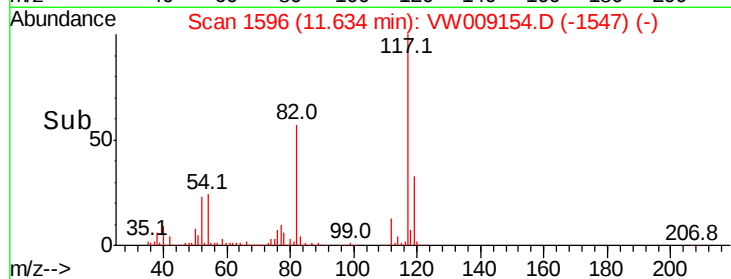
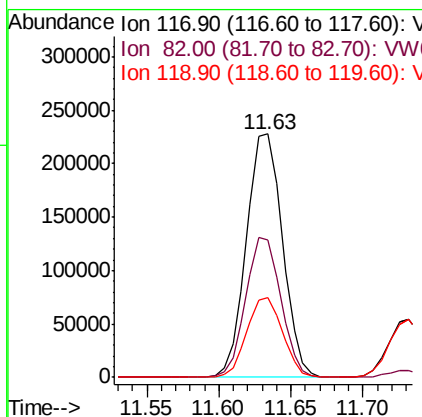
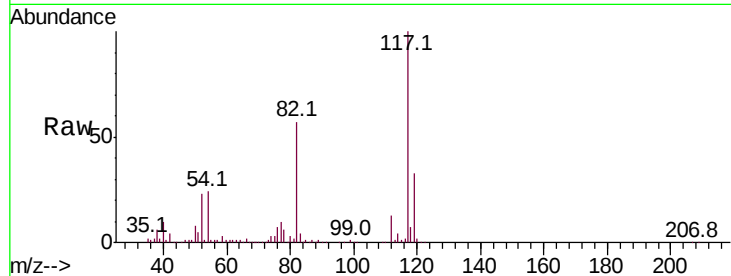
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.5	45.0	67.6
119	33.0	26.6	39.8

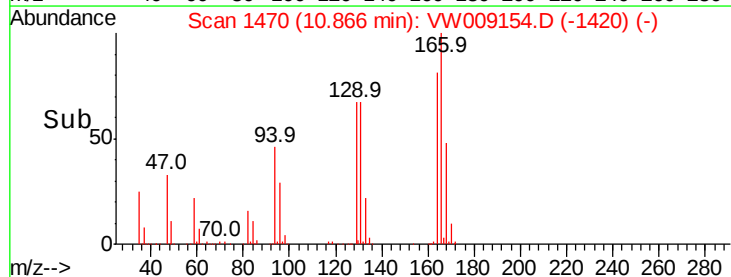
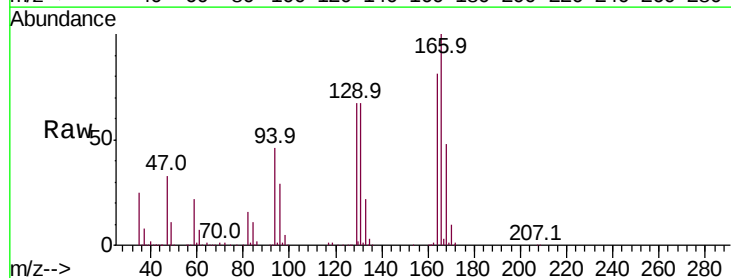
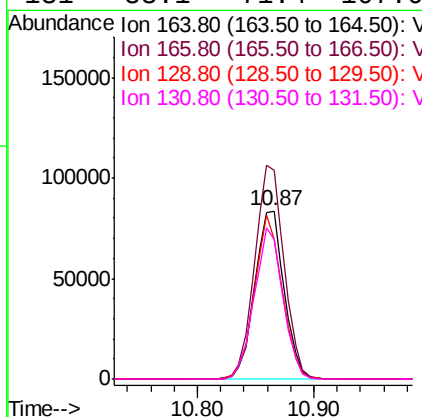
Manual Integrations
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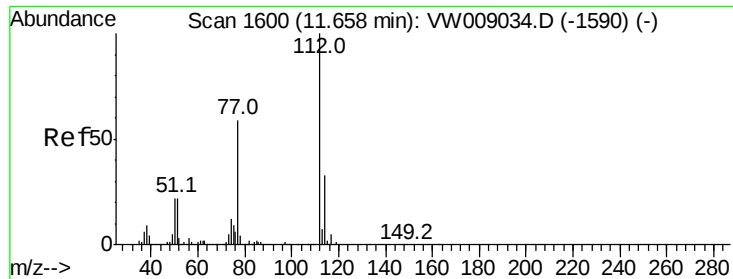
MMDadoda
3/14/2019 12:43:28 PM



#64
Tetrachloroethene
Concen: 51.146 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	123.9	97.8	146.6
129	82.7	71.6	107.4
131	83.1	71.4	107.0





#65

Chlorobenzene

Concen: 52.027 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 447520

Ion Ratio Lower Upper

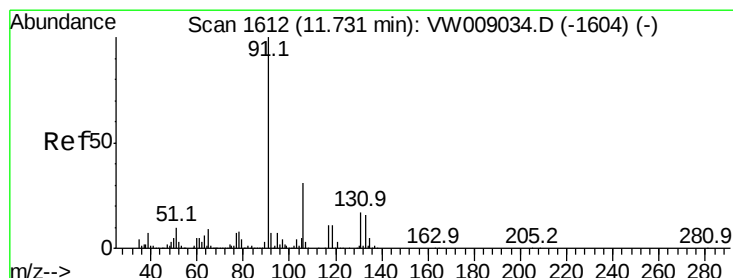
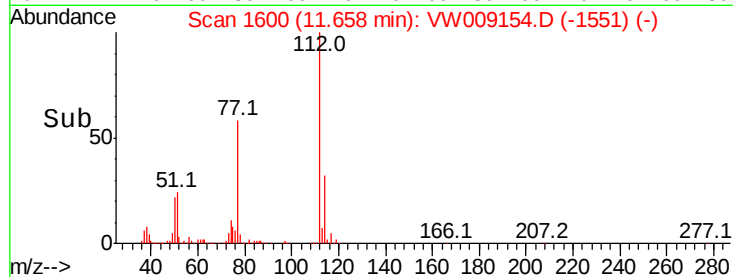
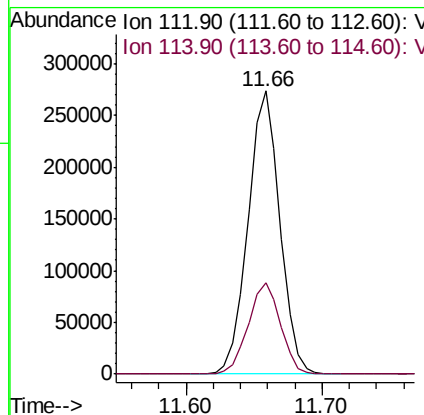
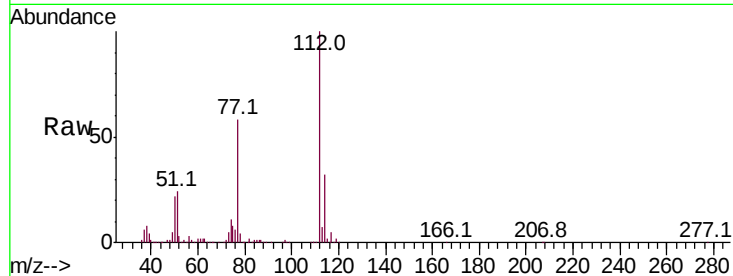
112 100

114 32.4 26.6 40.0

Manual Integrations
APPROVED

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3/14/2019 12:43:28 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.311 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

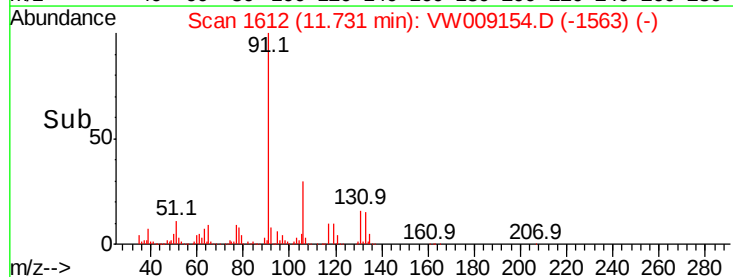
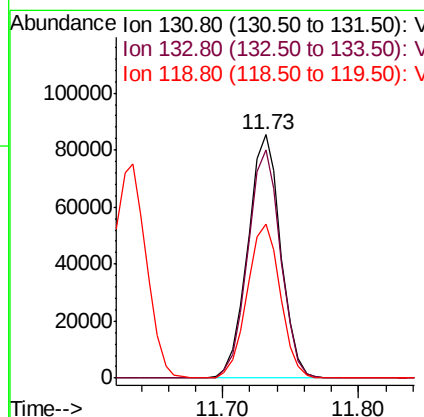
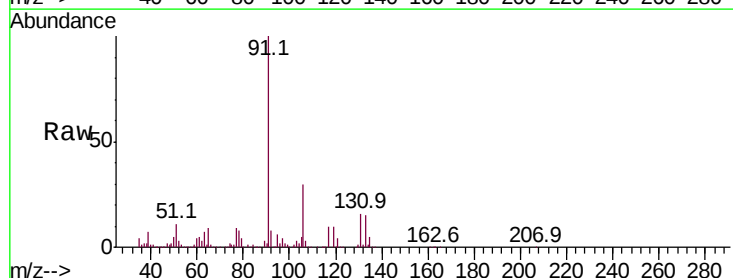
Tgt Ion:131 Resp: 144498

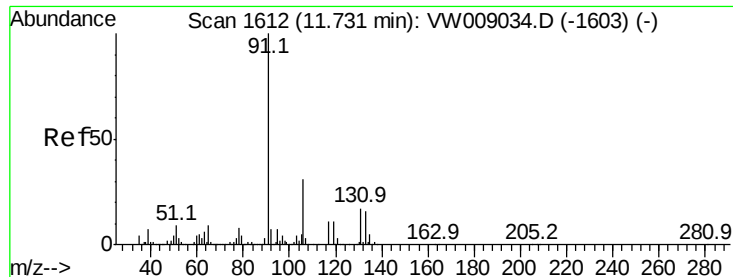
Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.8

119 63.8 31.3 93.8





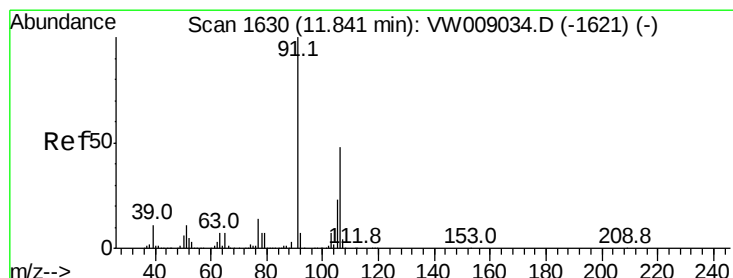
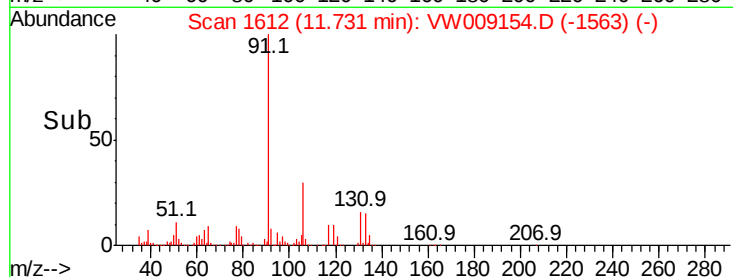
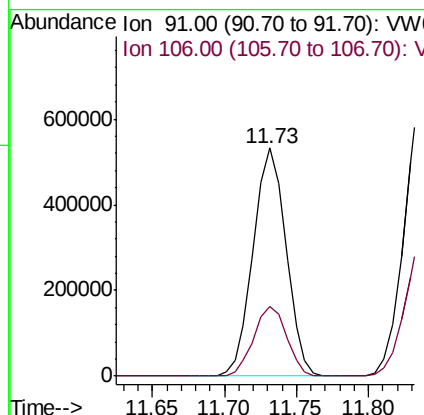
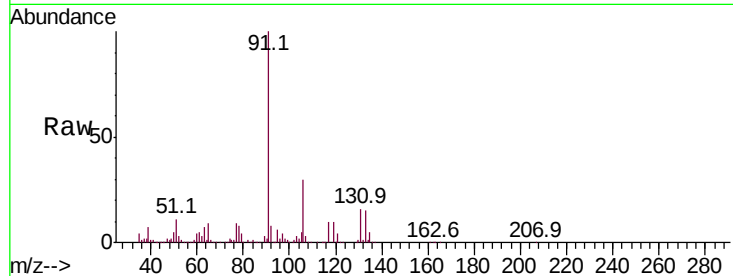
#67
Ethyl Benzene
Concen: 54.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 842857
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4

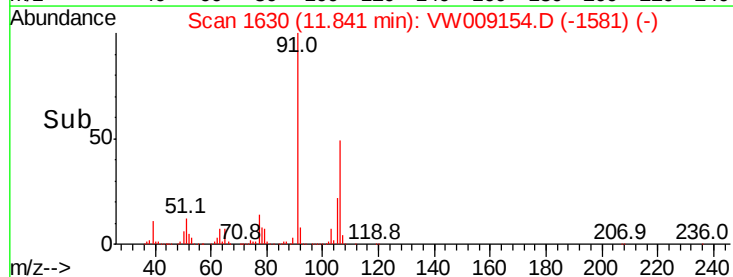
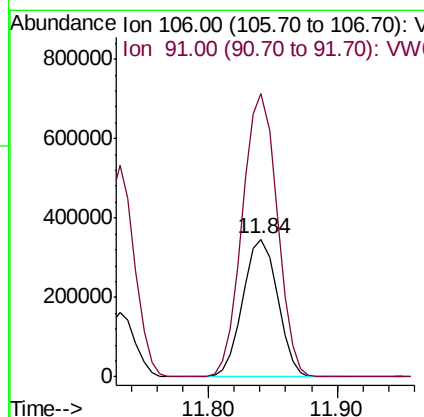
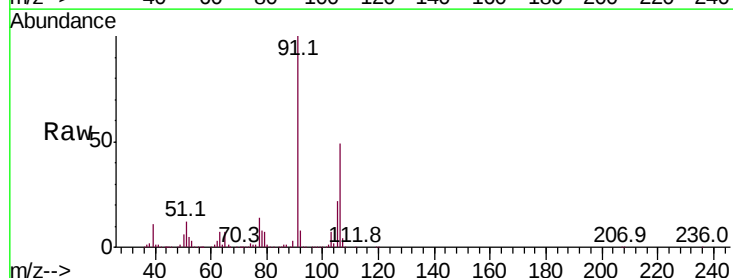
Manual Integrations
APPROVED

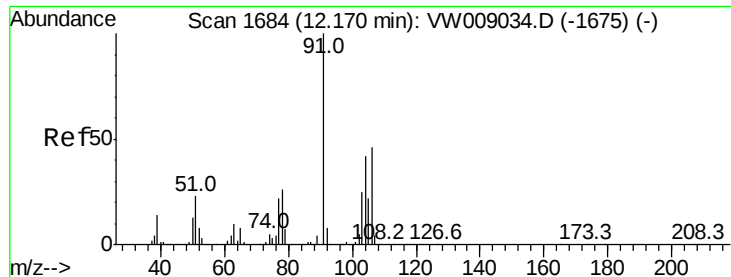
MMDadoda
3/14/2019 12:43:28 PM



#68
m/p-Xylenes
Concen: 106.164 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion: 106 Resp: 651171
Ion Ratio Lower Upper
106 100
91 205.1 163.2 244.8





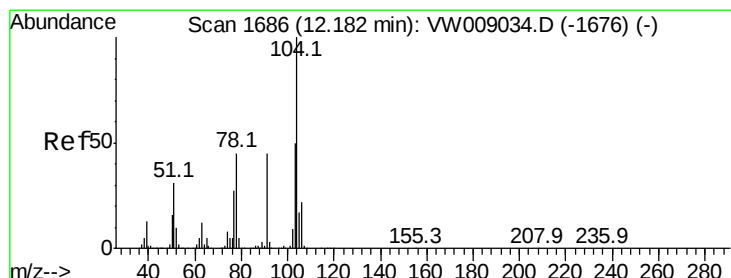
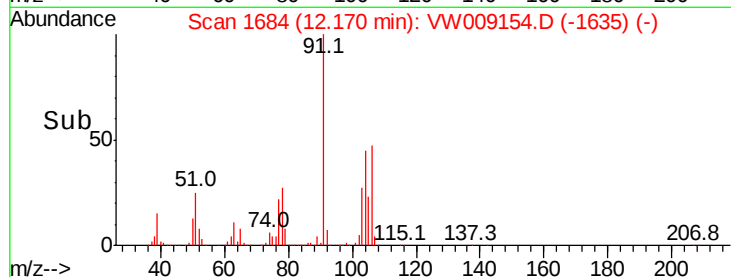
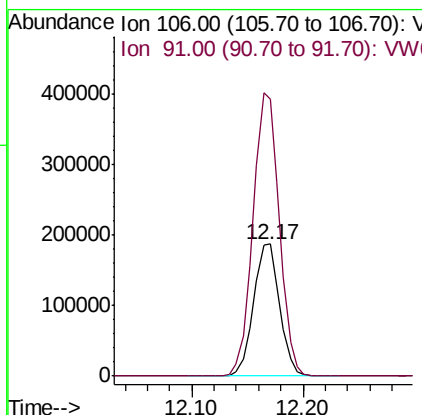
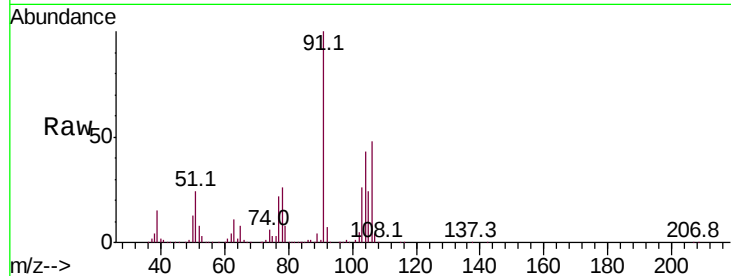
#69
o-Xylene
Concen: 53.637 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.0	108.6	325.6

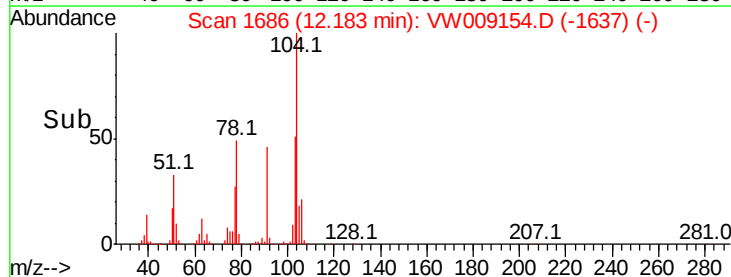
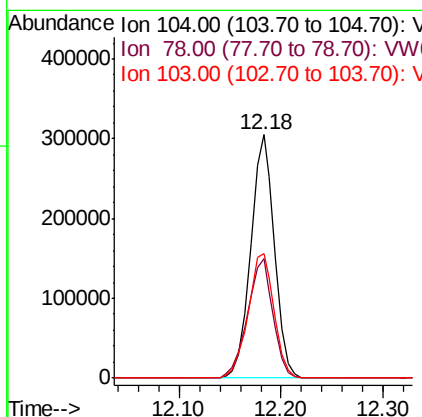
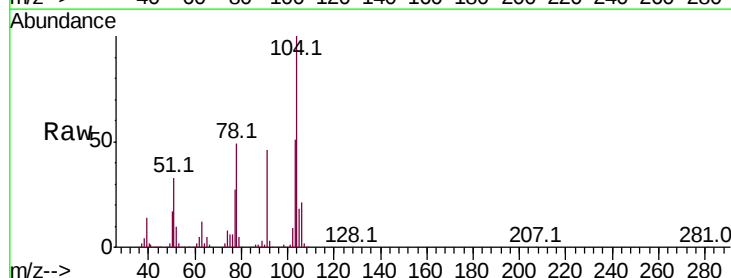
Manual Integrations
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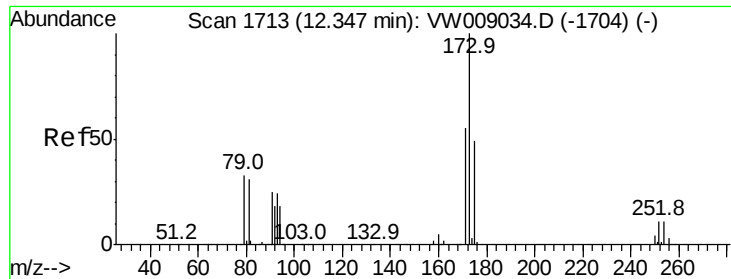
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#70
Styrene
Concen: 53.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.1	63.1
103	56.0	43.9	65.9





#71

Bromoform

Concen: 46.274 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 71360

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

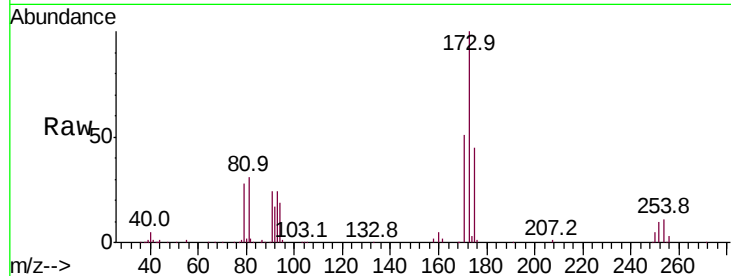
254 0.3 0.0 0.0#

Manual Integrations

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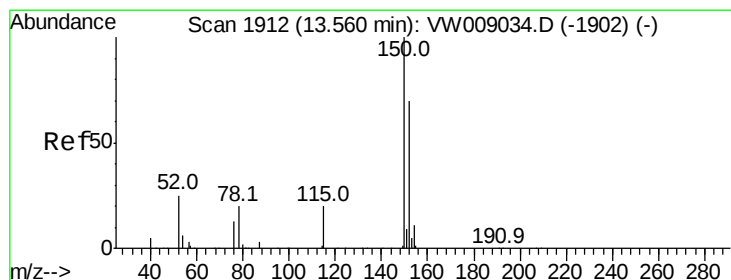
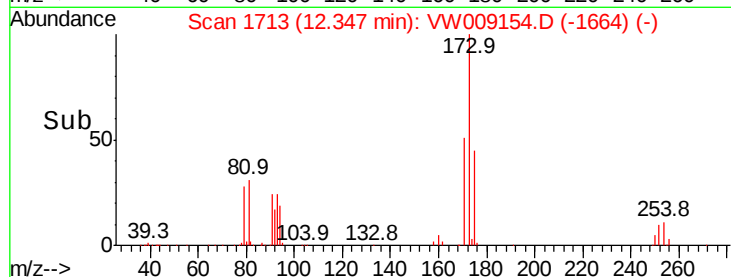
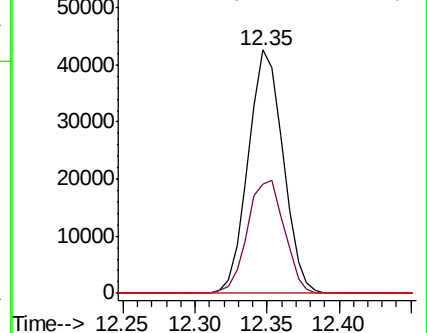
3/14/2019 12:43:28 PM



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

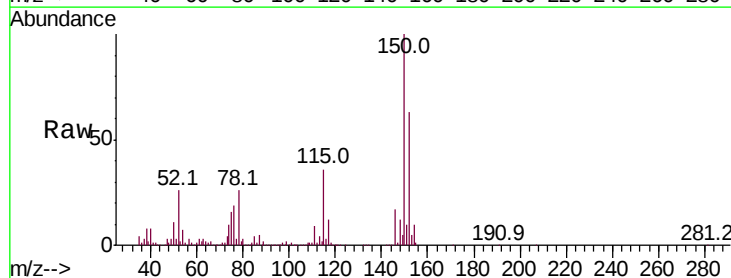
Tgt Ion:152 Resp: 222225

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

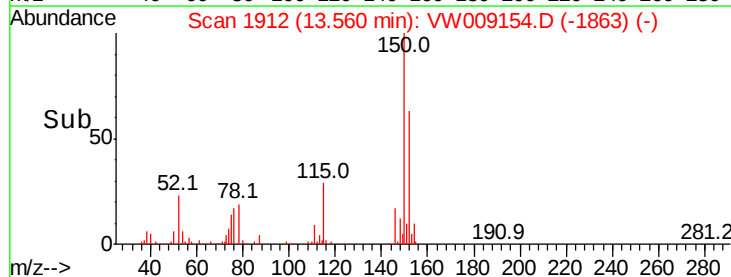
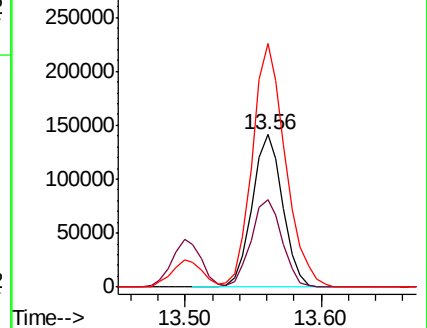
150 173.3 0.0 349.2

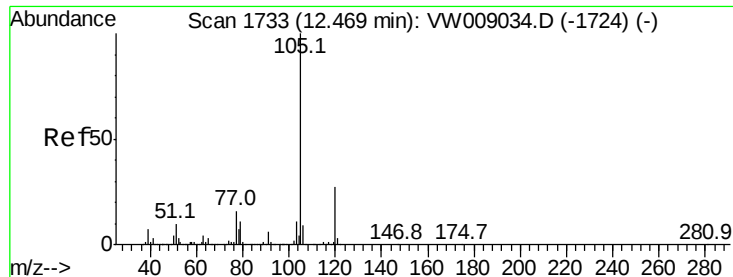


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.746 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 871222

Ion Ratio Lower Upper

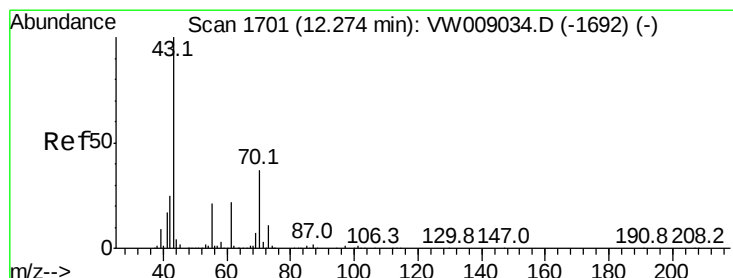
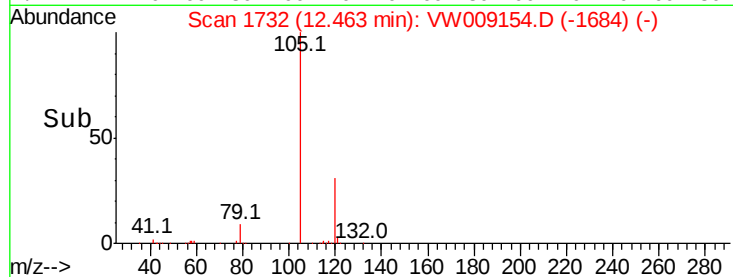
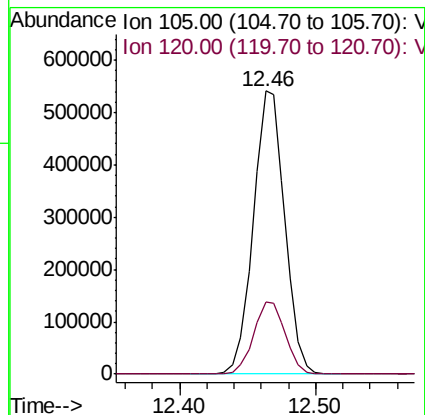
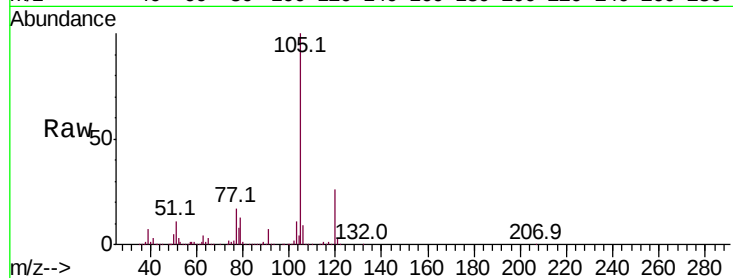
105 100

120 25.9 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.008 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion: 43 Resp: 184627

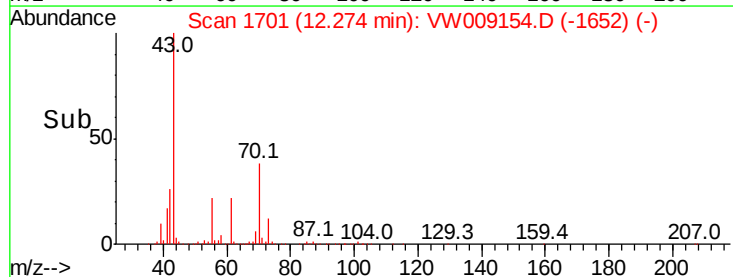
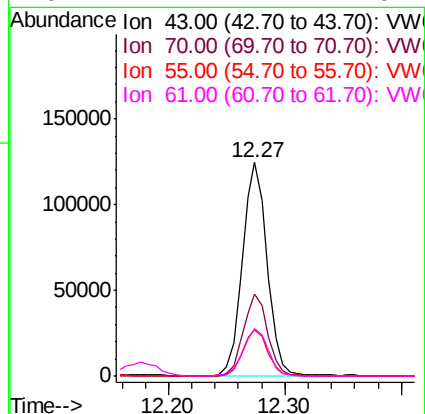
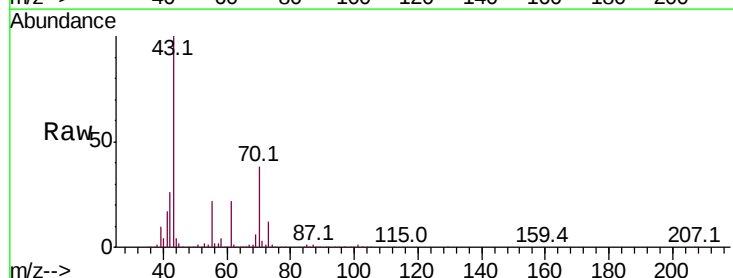
Ion Ratio Lower Upper

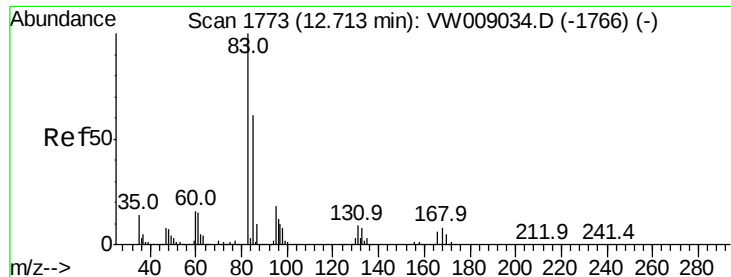
43 100

70 37.8 30.8 46.2

55 22.3 17.8 26.8

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.404 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 113977

Ion Ratio Lower Upper

83 100

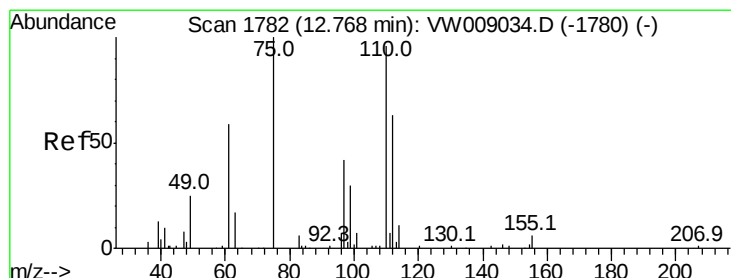
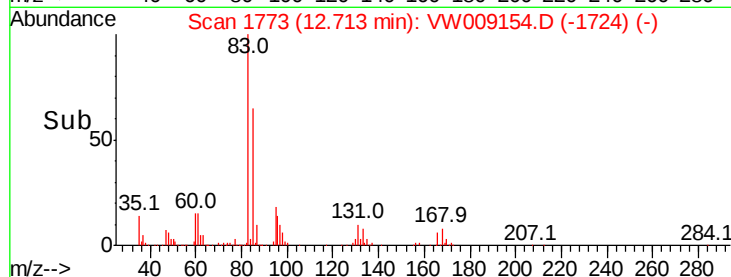
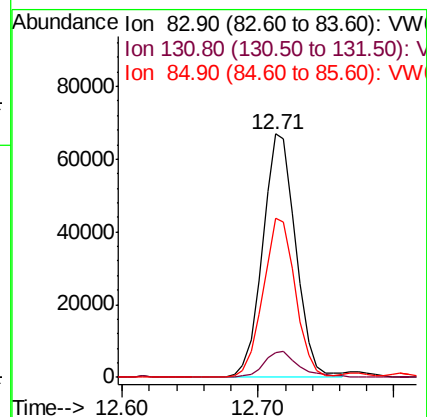
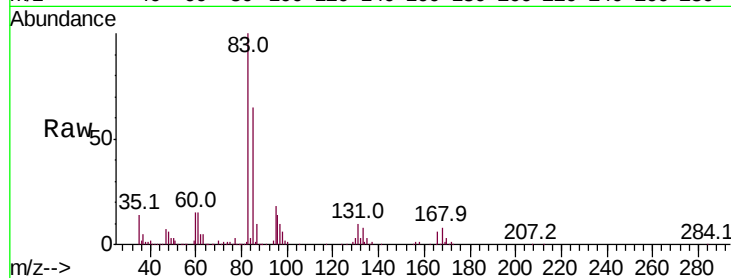
131 11.2 5.5 16.7

85 63.9 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.600 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW009154.D

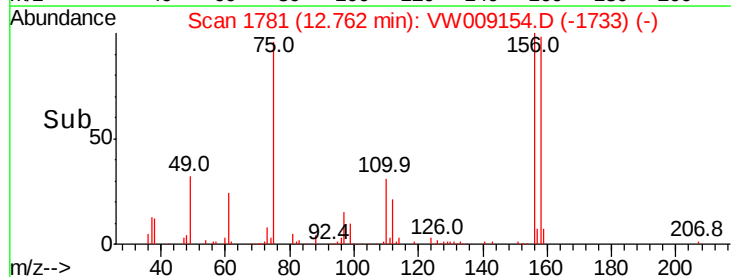
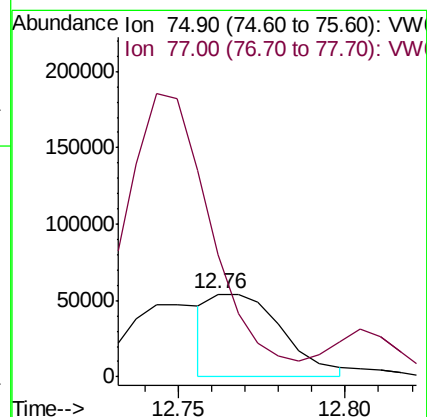
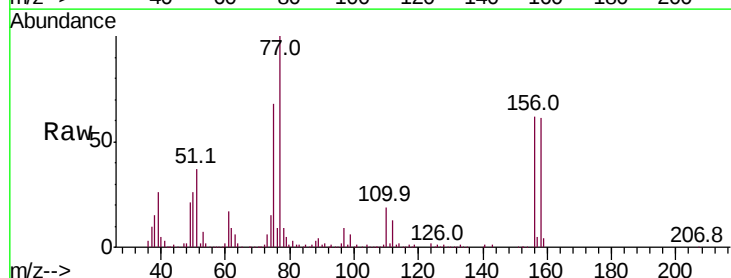
Acq: 13 Mar 2019 14:18

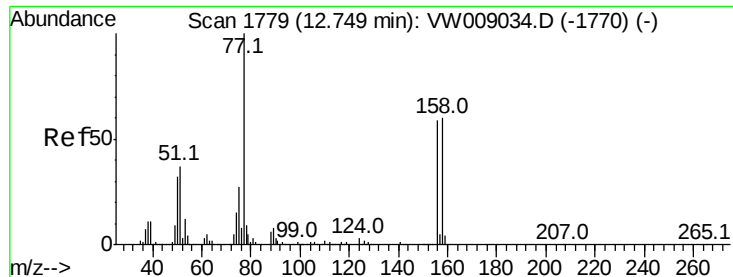
Tgt Ion: 75 Resp: 81818

Ion Ratio Lower Upper

75 100

77 413.2 186.7 560.0





#77

Bromobenzene

Concen: 50.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

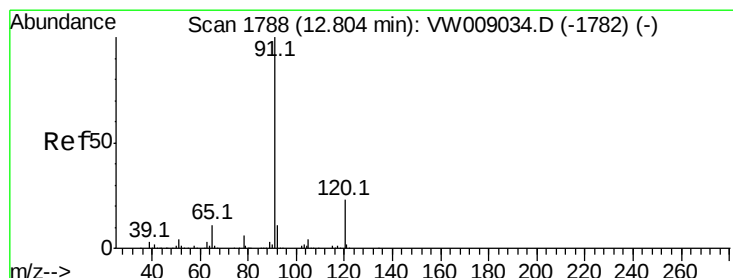
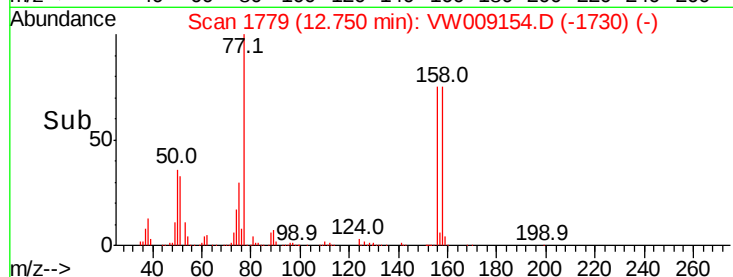
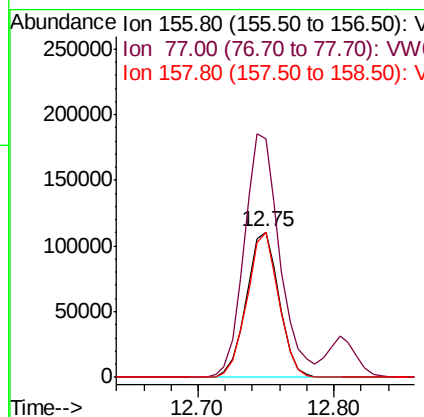
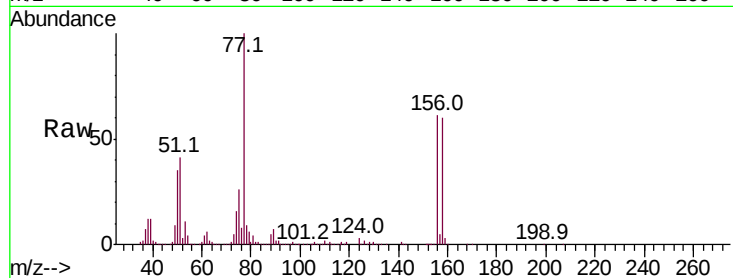
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	184644
Ion Ratio	Lower	Upper	
156	100		
77	183.1	93.0	279.2
158	97.2	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.534 ug/l

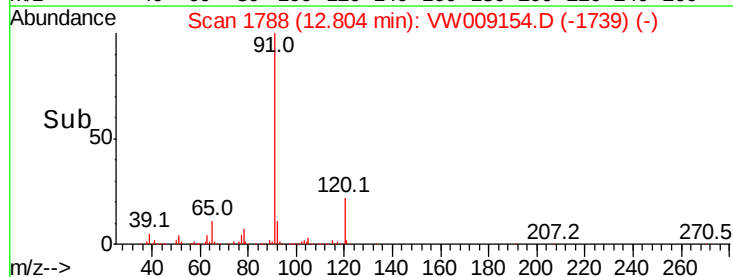
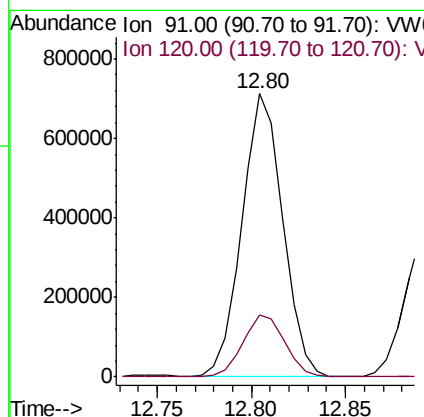
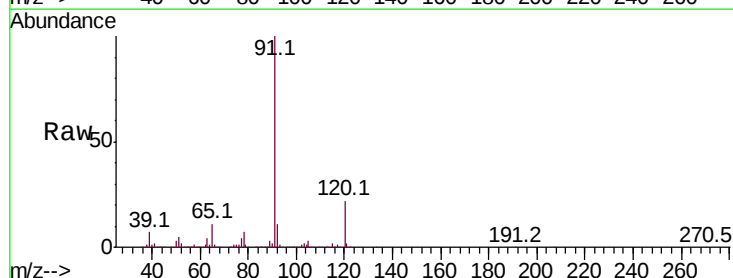
RT: 12.80 min Scan# 1788

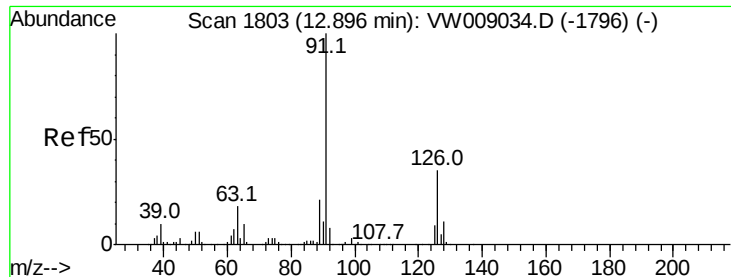
Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion:	91	Resp:	1068976
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 53.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 592592

Ion Ratio Lower Upper

91 100

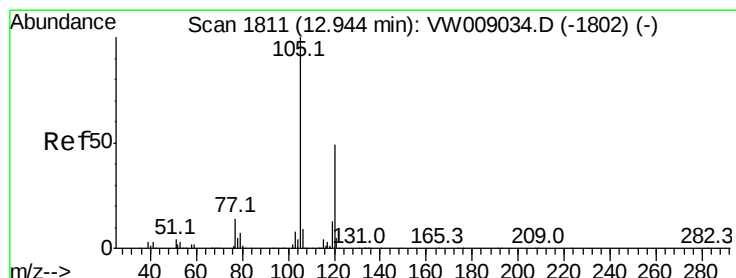
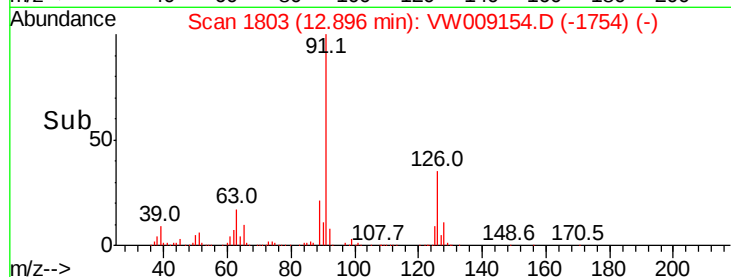
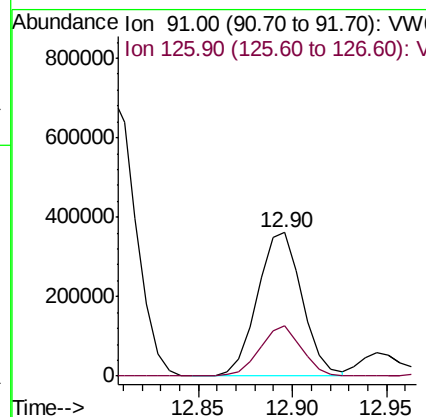
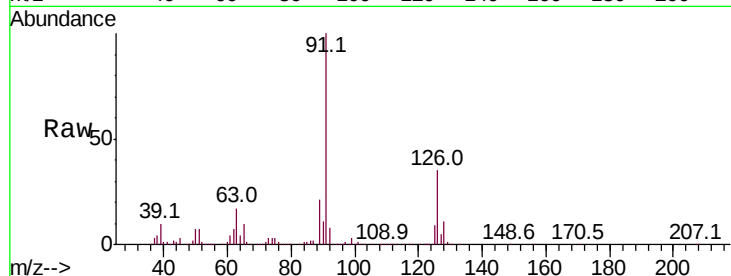
126 33.0 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.476 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009154.D

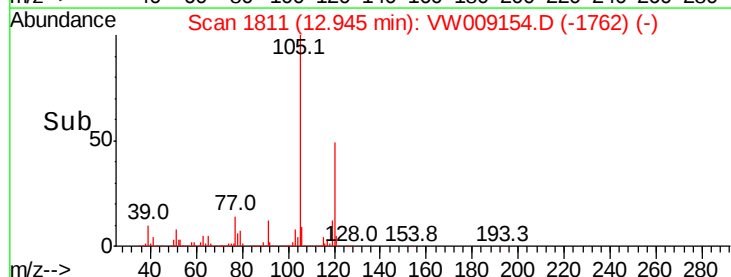
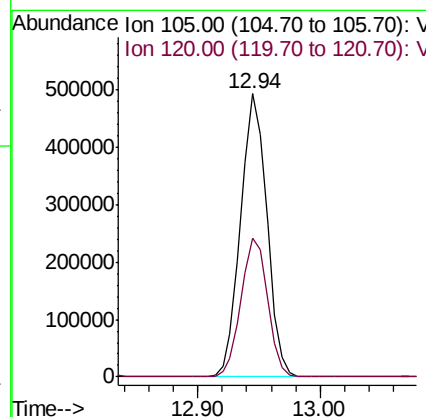
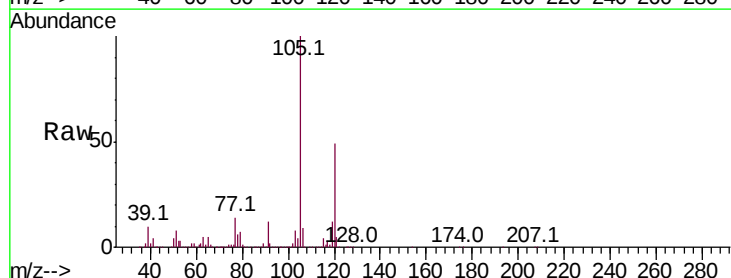
Acq: 13 Mar 2019 14:18

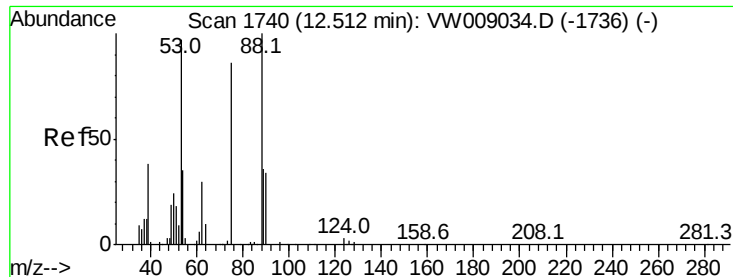
Tgt Ion:105 Resp: 733549

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2





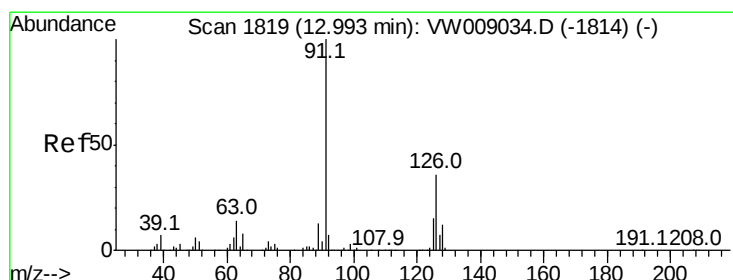
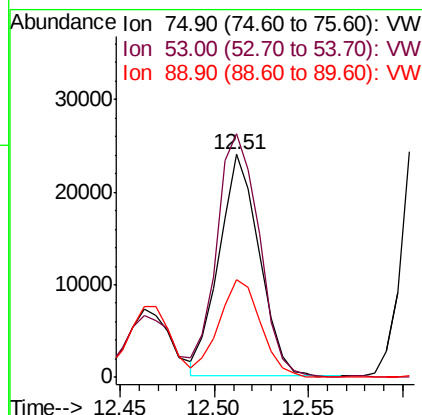
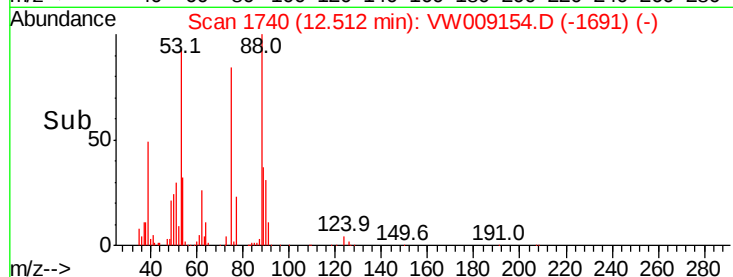
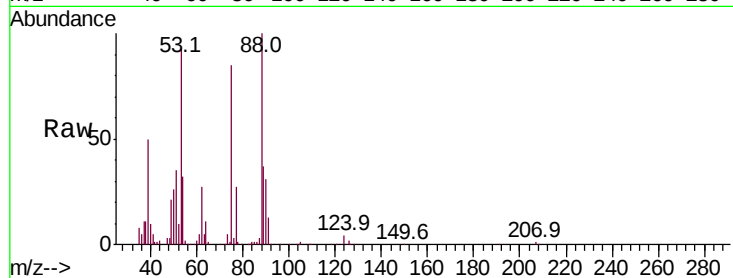
#81
trans-1,4-Dichloro-2-butene
Concen: 45.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.0	90.5	135.7
89	45.8	37.5	56.3

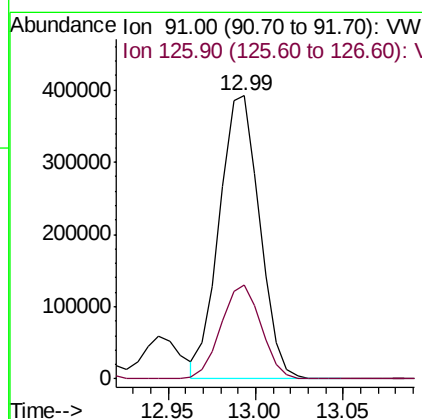
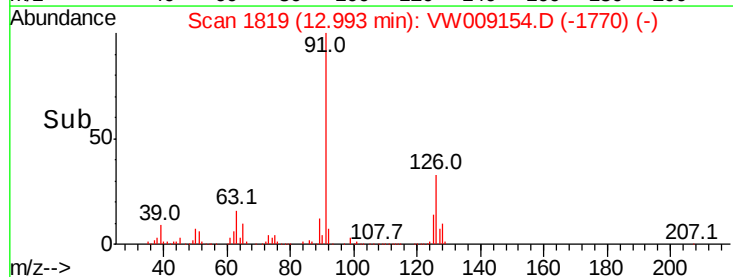
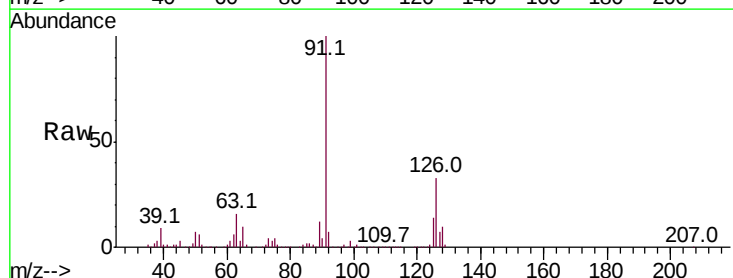
Manual Integrations
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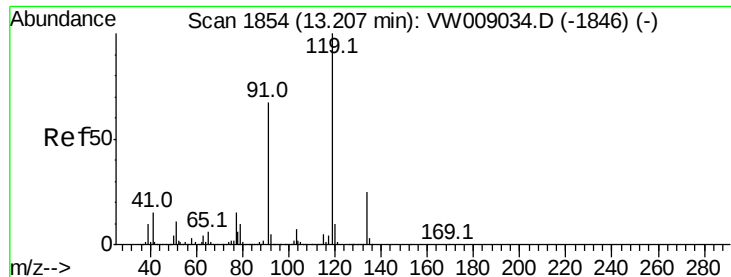
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#82
4-Chlorotoluene
Concen: 53.494 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8





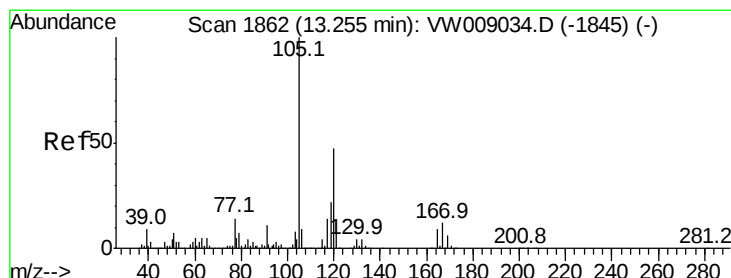
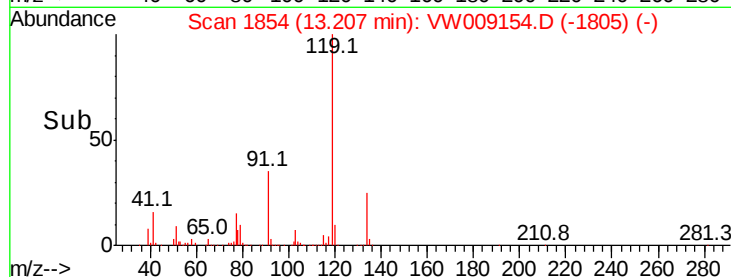
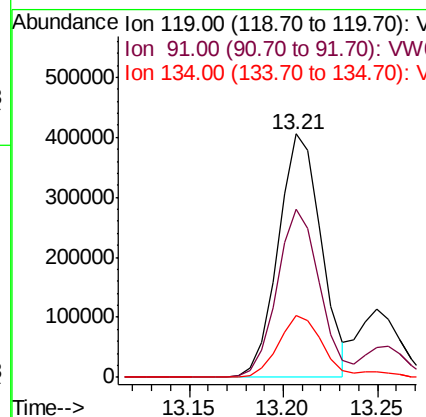
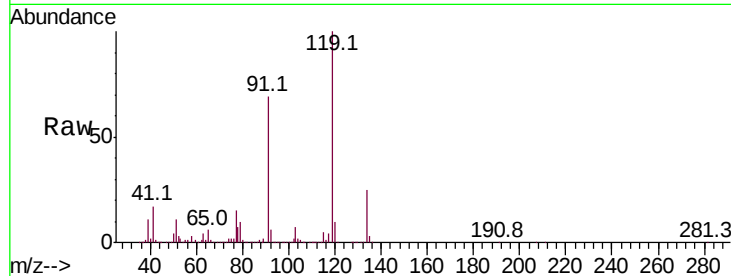
#83
tert-Butylbenzene
Concen: 55.442 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.2	102.5
134	25.6	13.9	41.6

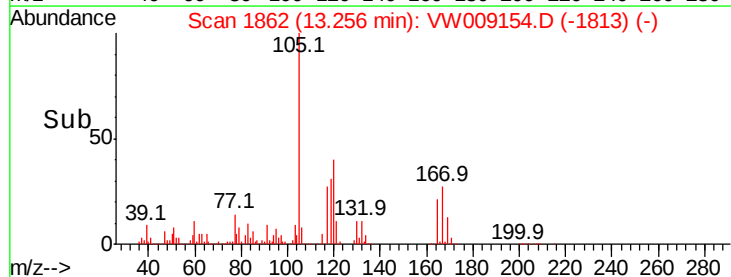
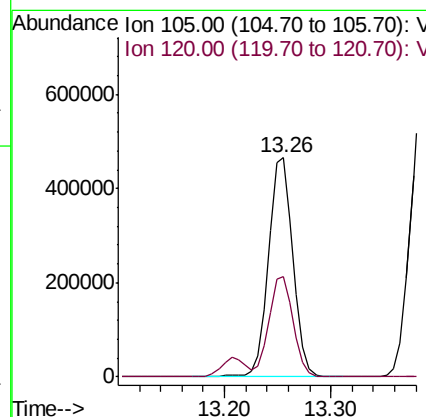
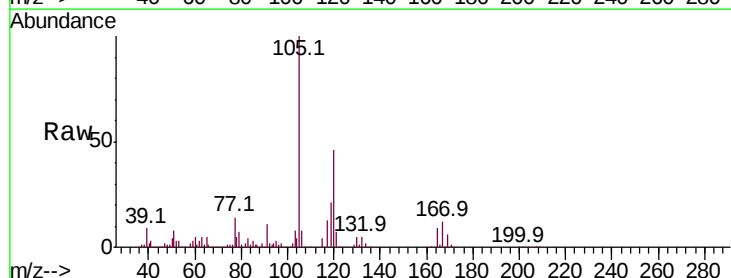
Manual Integrations
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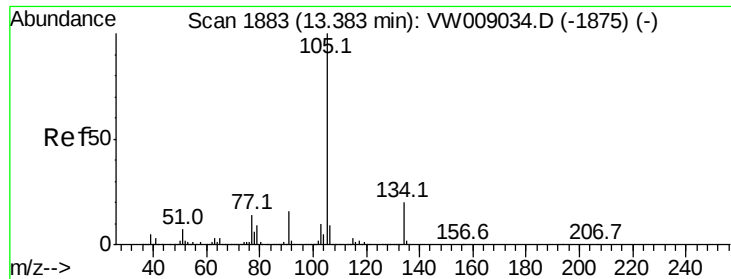
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#84
1,2,4-Trimethylbenzene
Concen: 53.869 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 55.131 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 945004

Ion Ratio Lower Upper

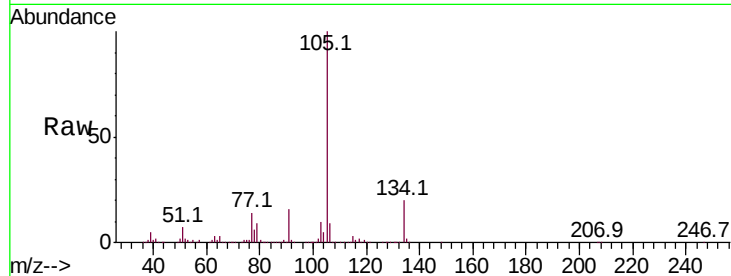
105 100

134 20.3 10.0 30.0

Manual Integrations
APPROVED

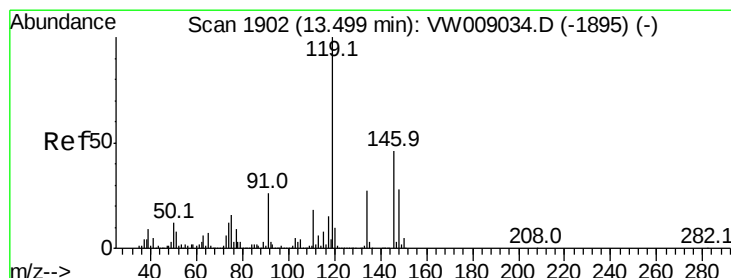
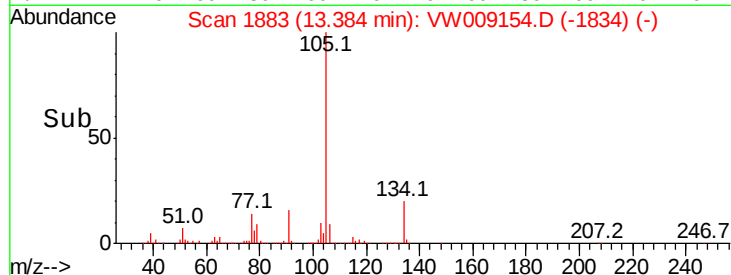
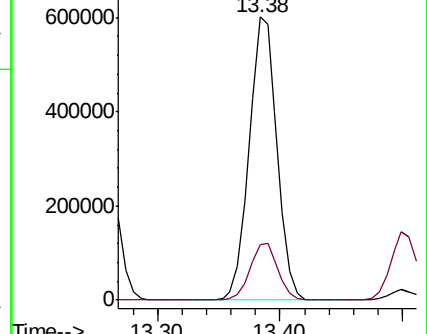
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.986 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

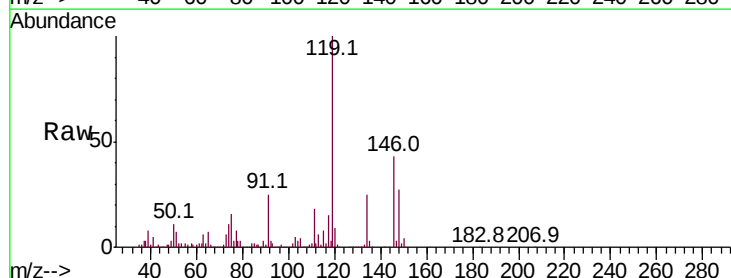
Tgt Ion:119 Resp: 843157

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

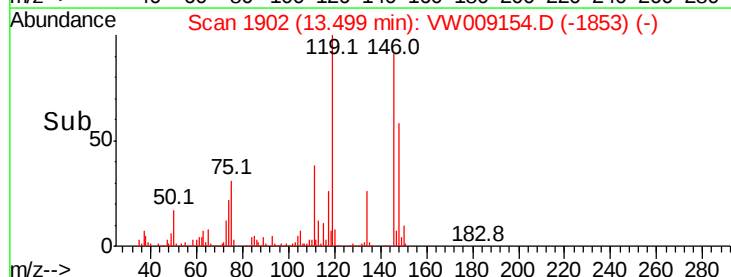
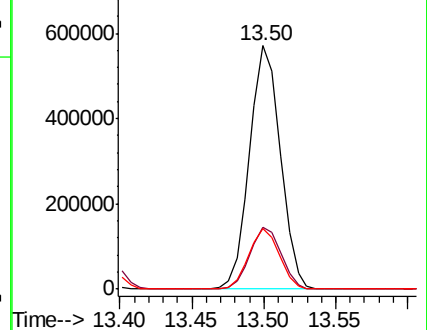
91 24.7 12.3 36.9

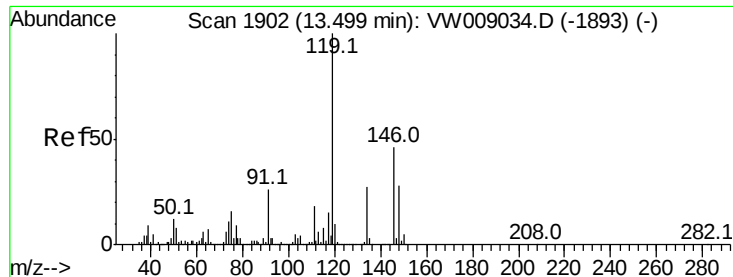


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.140 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

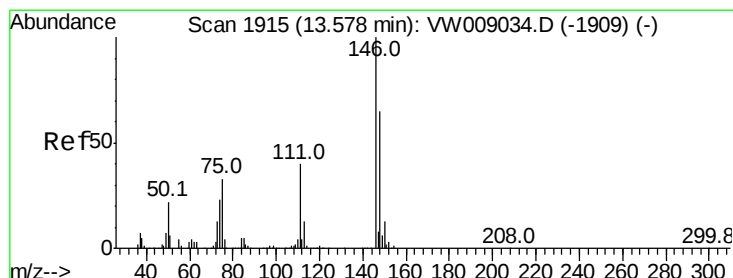
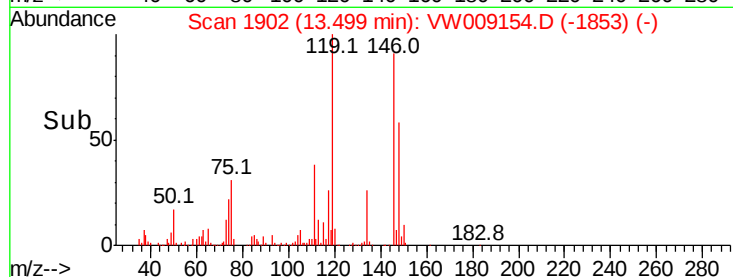
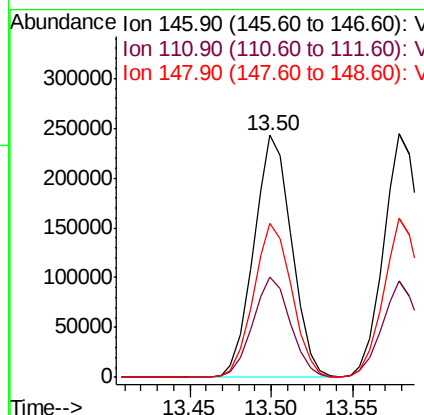
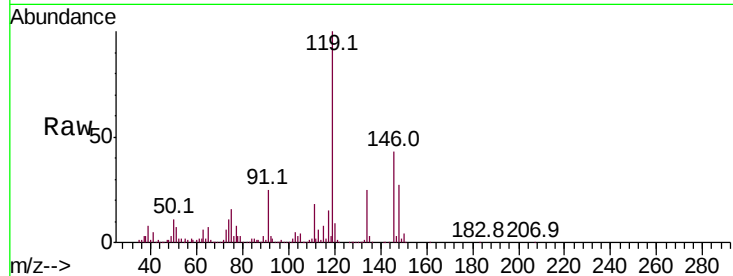
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	63.9	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.520 ug/l

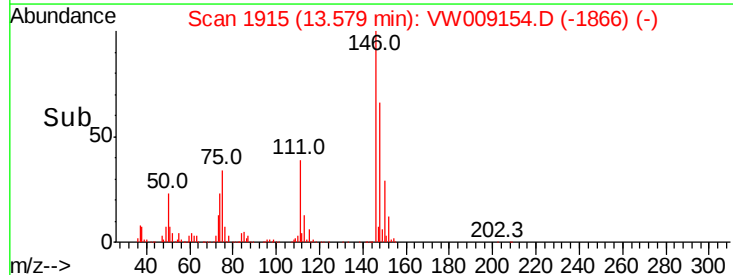
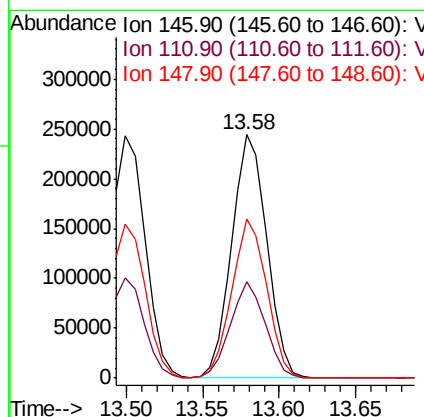
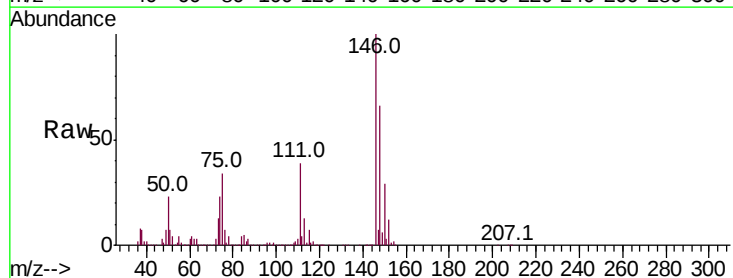
RT: 13.58 min Scan# 1915

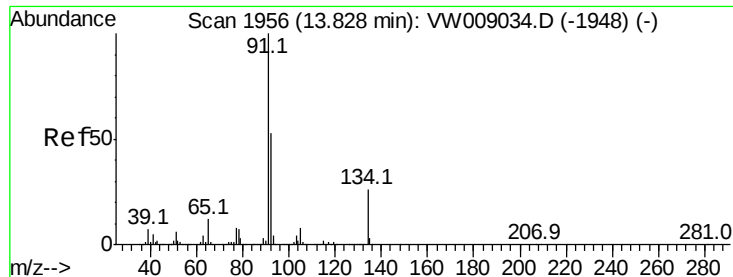
Delta R.T. 0.00 min

Lab File: VW009154.D

Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.1	32.2	96.6





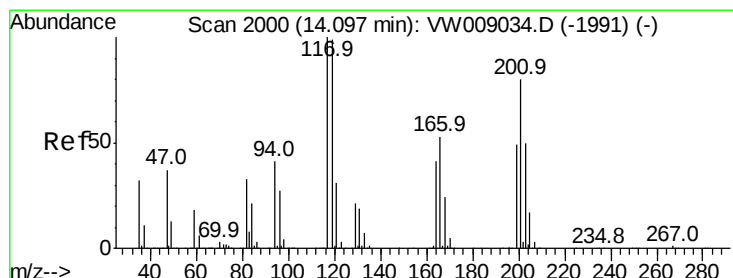
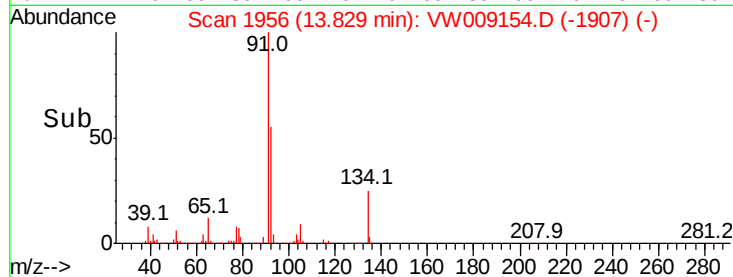
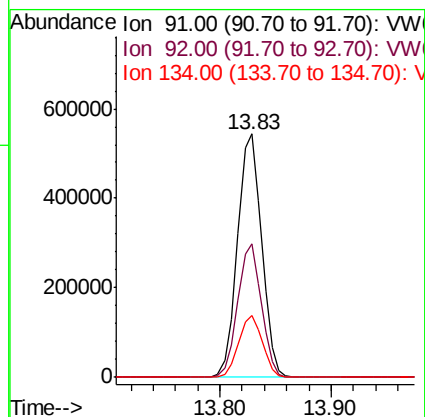
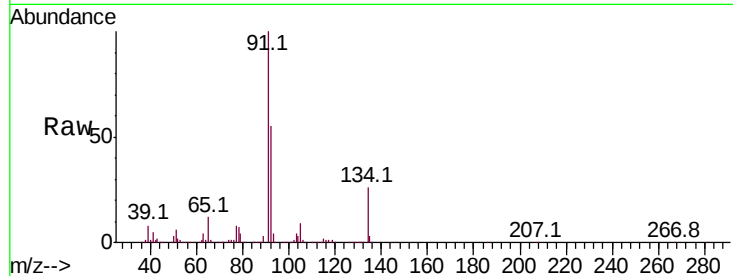
#89
n-Butylbenzene
Concen: 55.887 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.3
134	25.1	12.9	38.7

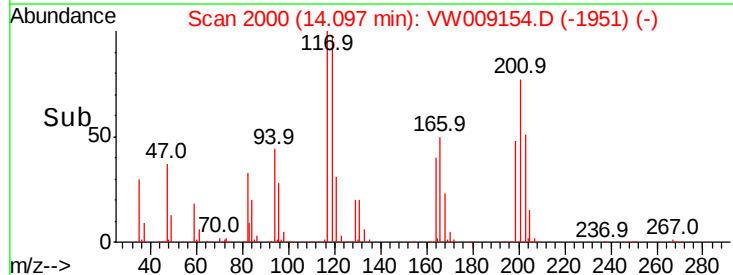
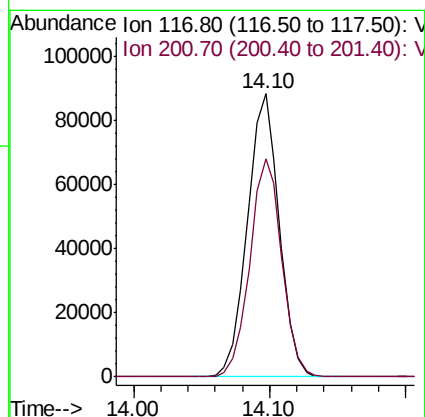
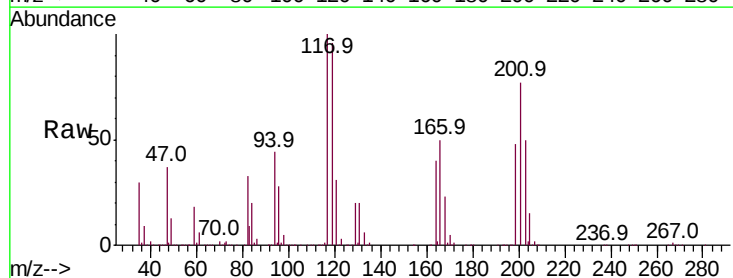
Manual Integrations
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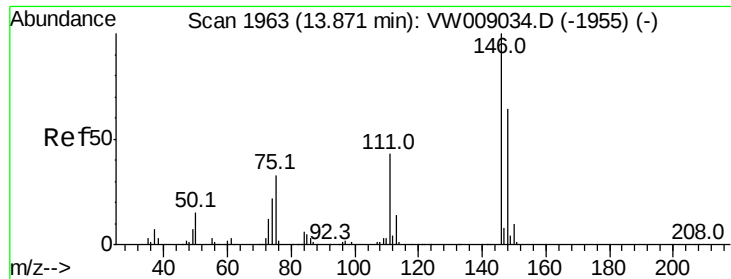
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#90
Hexachloroethane
Concen: 54.575 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	39.1	117.5





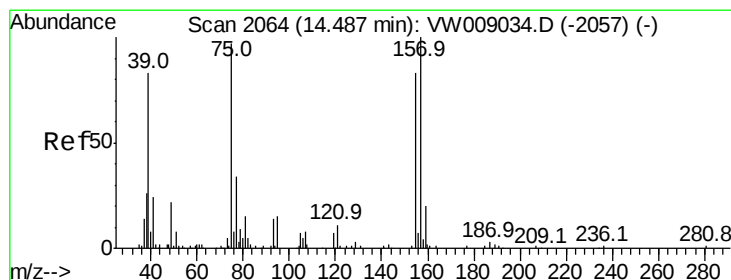
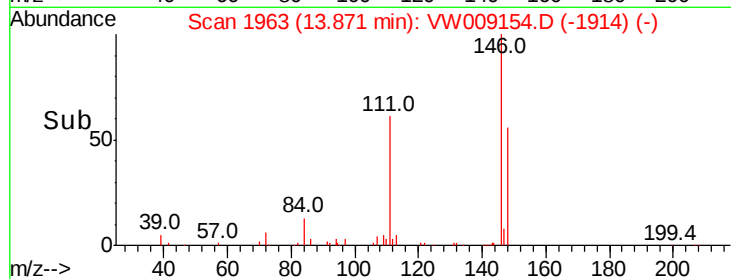
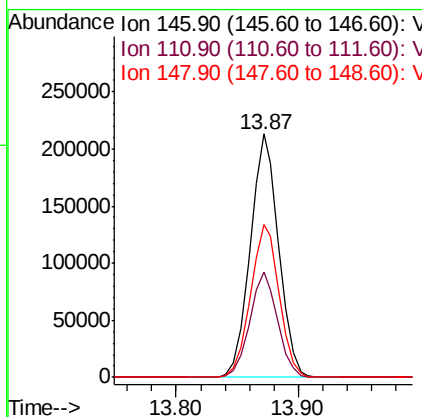
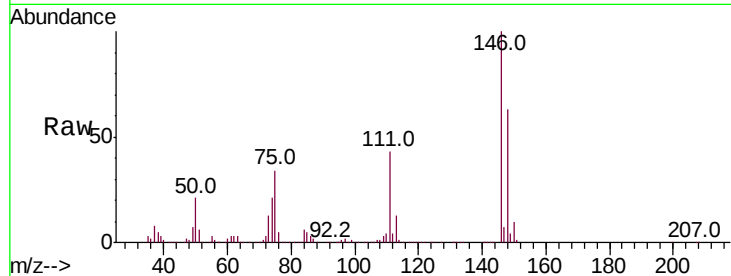
#91
1,2-Dichlorobenzene
Concen: 50.850 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	63.6	32.3	96.9

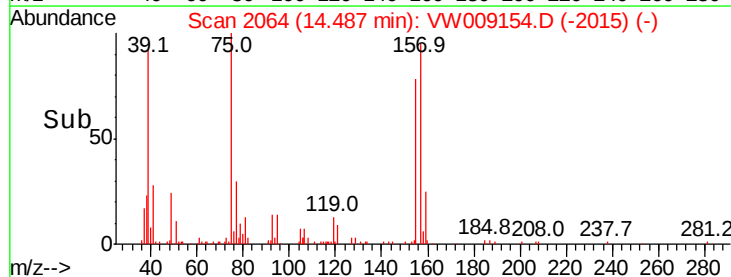
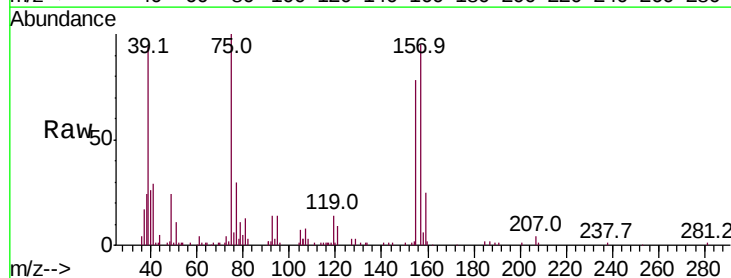
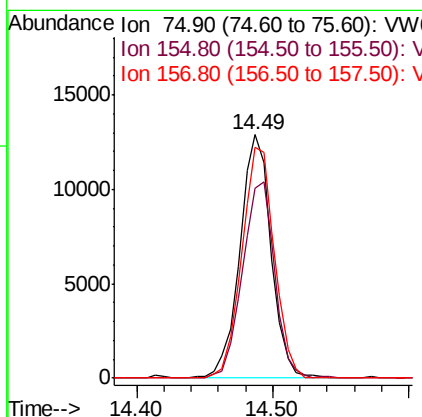
Manual Integrations
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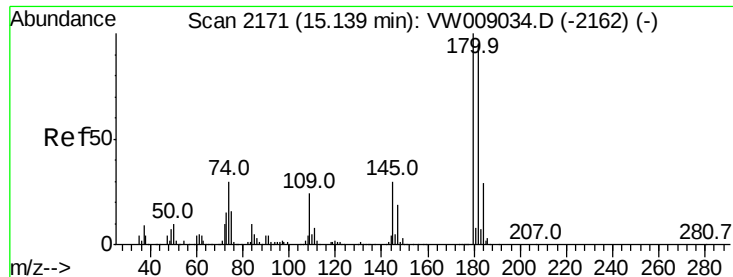
MMDadoda
3/14/2019 12:43:28 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.160 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	40.8	122.4
157	98.4	52.4	157.3





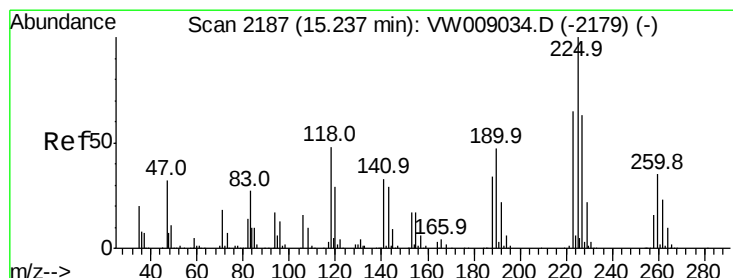
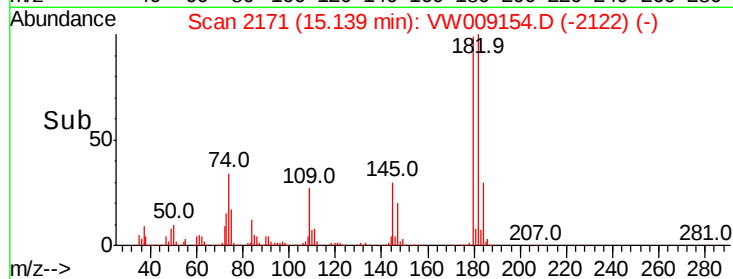
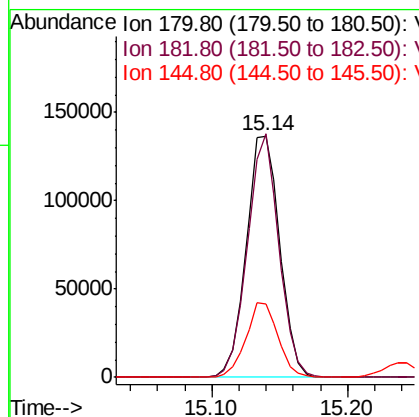
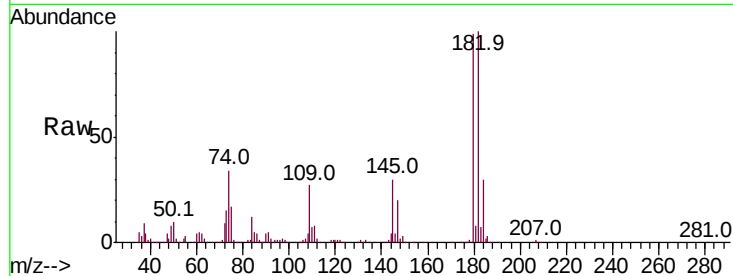
#93
1,2,4-Trichlorobenzene
Concen: 51.679 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	235306		
182	94.7	48.1	144.3	
145	29.7	15.4	46.1	

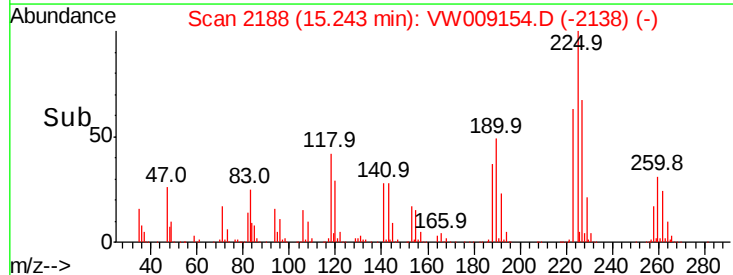
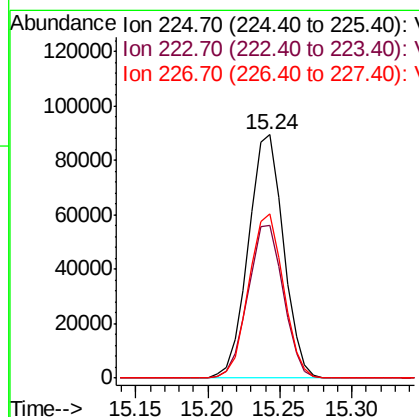
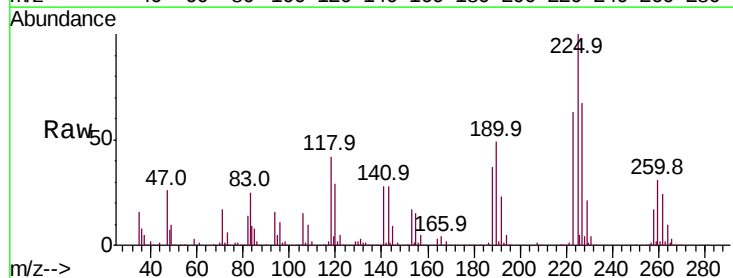
Manual Integrations
APPROVED

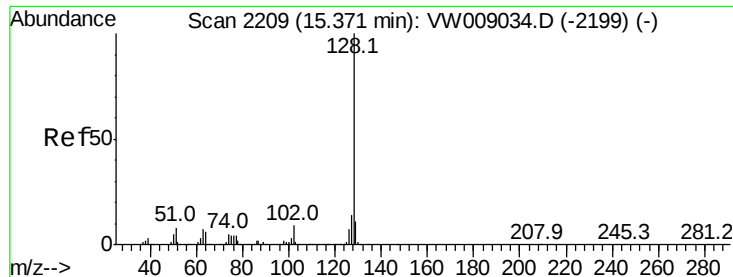
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#94
Hexachlorobutadiene
Concen: 52.798 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150577		
223	63.3	31.6	94.8	
227	66.7	32.0	96.2	





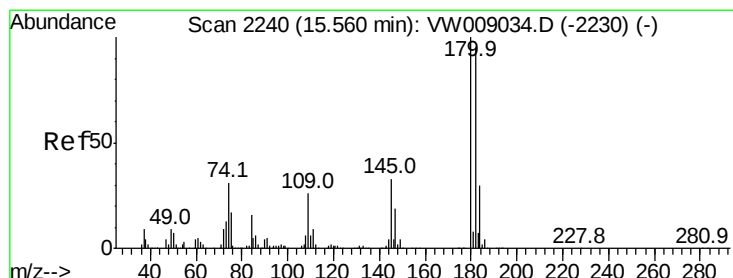
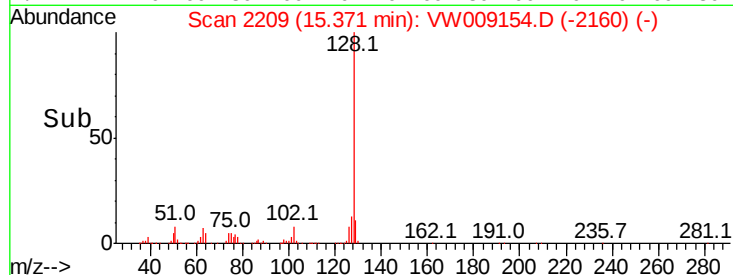
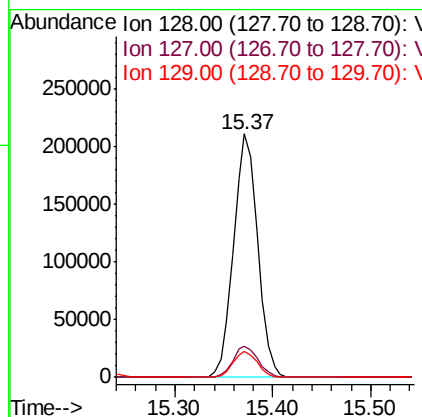
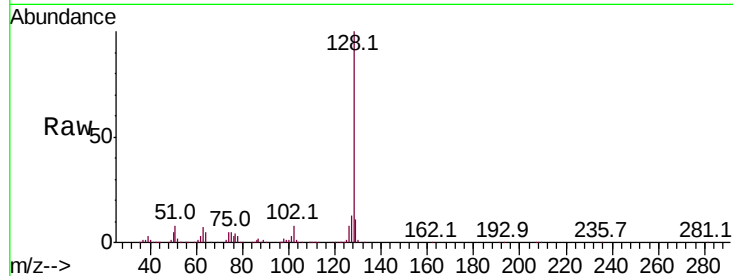
#95
Naphthalene
Concen: 48.377 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.5	11.0	16.6	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.979 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009154.D
Acq: 13 Mar 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.1	144.3	
145	32.0	15.8	47.3	

