

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012960.D
 Acq On : 13 Sep 2019 18:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:47 AM

Quant Time: Sep 14 04:41:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132220	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.88	113	109733	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	436454	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	157188	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	52549	47.487	ug/l	96
3) Chloromethane	2.21	50	68090	49.086	ug/l	97
4) Vinyl Chloride	2.36	62	93960	45.620	ug/l	99
5) Bromomethane	2.77	94	58600	46.590	ug/l	96
6) Chloroethane	2.92	64	58462	46.281	ug/l	99
7) Trichlorofluoromethane	3.25	101	65067	45.177	ug/l	98
8) Diethyl Ether	3.68	74	54390	48.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100979	46.227	ug/l	98
10) Methyl Iodide	4.27	142	128637	47.054	ug/l	99
11) Tert butyl alcohol	5.18	59	46139	257.865	ug/l	97
12) 1,1-Dichloroethene	4.04	96	92142	46.391	ug/l	94
13) Acrolein	3.89	56	48181	245.812	ug/l	97
14) Allyl chloride	4.66	41	181017	48.007	ug/l	99
15) Acrylonitrile	5.37	53	144107	250.888	ug/l	98
16) Acetone	4.12	43	146736	254.838	ug/l	100
17) Carbon Disulfide	4.38	76	177636	44.879	ug/l	100
18) Methyl Acetate	4.67	43	73470	48.525	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197142	50.283	ug/l	98
20) Methylene Chloride	4.91	84	107871	50.271	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97738	45.945	ug/l	96
22) Diisopropyl ether	6.31	45	386144	49.295	ug/l	99
23) Vinyl Acetate	6.25	43	1205805	257.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212623	47.078	ug/l	98
25) 2-Butanone	7.17	43	210367	248.944	ug/l	96
26) 2,2-Dichloropropane	7.17	77	139946	48.714	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120100	47.157	ug/l	100
28) Bromochloromethane	7.51	49	103272	54.326	ug/l #	97
29) Tetrahydrofuran	7.53	42	125106	259.832	ug/l	98
30) Chloroform	7.67	83	214254	46.688	ug/l	100
31) Cyclohexane	7.95	56	166038	48.879	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	176814	46.787	ug/l	99
36) 1,1-Dichloropropene	8.08	75	154606	45.722	ug/l	99
37) Ethyl Acetate	7.25	43	88779	49.464	ug/l	98
38) Carbon Tetrachloride	8.06	117	158726	45.805	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169287	45.687	ug/l	98
40) Benzene	8.32	78	435345	46.118	ug/l	99
41) Methacrylonitrile	7.48	41	56706	47.976	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149811	47.342	ug/l	99
43) Isopropyl Acetate	8.42	43	172814	50.147	ug/l	97
44) Trichloroethene	9.09	130	117512	45.447	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117505	46.851	ug/l	96
46) Dibromomethane	9.46	93	57630	47.961	ug/l	99
47) Bromodichloromethane	9.64	83	163585	48.535	ug/l	98
48) Methyl methacrylate	9.43	41	82456	50.983	ug/l	96
49) 1,4-Dioxane	9.46	88	20124	999.488	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	451192	253.597	ug/l	100
52) Toluene	10.38	92	279696	46.628	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	165472	48.815	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	190041	48.998	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90152	49.250	ug/l	94
56) Ethyl methacrylate	10.65	69	126317	51.267	ug/l	98
57) 1,3-Dichloropropane	10.93	76	155221	47.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343957	260.235	ug/l	100
59) 2-Hexanone	10.97	43	315786	254.901	ug/l	100
60) Dibromochloromethane	11.13	129	107670	48.652	ug/l	98
61) 1,2-Dibromoethane	11.23	107	81375	48.732	ug/l	99
64) Tetrachloroethene	10.86	164	97784	44.730	ug/l	99
65) Chlorobenzene	11.66	112	304839	46.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119672	47.709	ug/l	99
67) Ethyl Benzene	11.73	91	565435	46.774	ug/l	99
68) m/p-Xylenes	11.84	106	417772	94.601	ug/l	100
69) o-Xylene	12.16	106	198804	48.017	ug/l	99
70) Styrene	12.18	104	353688	48.022	ug/l	100
71) Bromoform	12.35	173	65817	49.954	ug/l #	100
73) Isopropylbenzene	12.46	105	575995	46.544	ug/l	99
74) N-amyl acetate	12.27	43	162219	50.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	105032	48.322	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	70901m	43.354	ug/l	
77) Bromobenzene	12.74	156	132507	46.478	ug/l	99
78) n-propylbenzene	12.80	91	677436	46.536	ug/l	99
79) 2-Chlorotoluene	12.89	91	391302	46.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	491678	46.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35647	49.446	ug/l	100
82) 4-Chlorotoluene	12.99	91	409664	46.397	ug/l	99
83) tert-Butylbenzene	13.21	119	433902	46.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487549	47.126	ug/l	100
85) sec-Butylbenzene	13.38	105	593904	46.549	ug/l	99
86) p-Isopropyltoluene	13.50	119	546766	46.676	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261446	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258453	46.601	ug/l	100
89) n-Butylbenzene	13.82	91	519635	47.037	ug/l	99
90) Hexachloroethane	14.09	117	96830	46.127	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235232	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19533	49.095	ug/l	95

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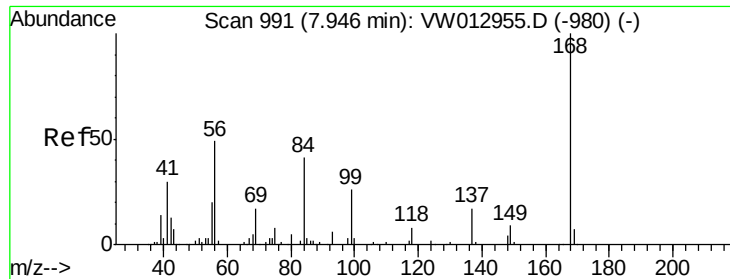
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172887	48.844	ug/l	98
94) Hexachlorobutadiene	15.24	225	115371	46.043	ug/l	99
95) Naphthalene	15.36	128	315743	53.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	155598	49.729	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 287747

Ion Ratio Lower Upper

168 100

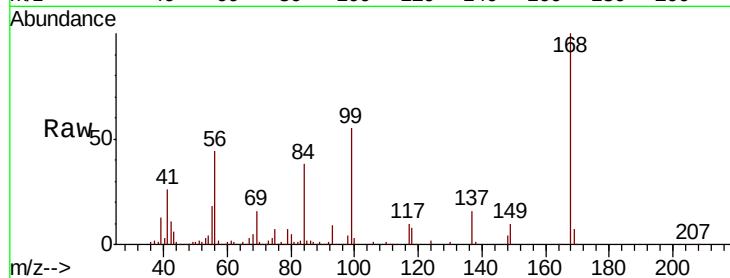
99 55.3 46.2 69.2

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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

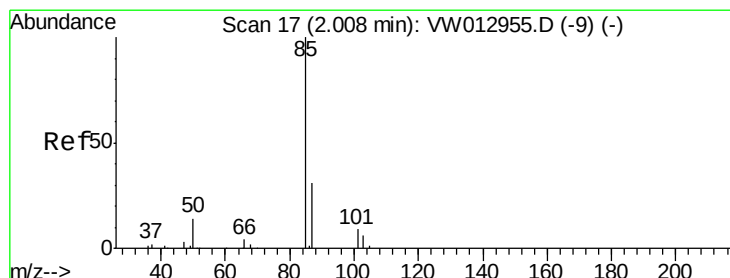
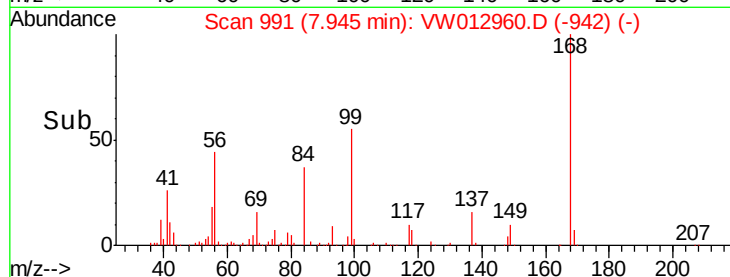
100000

50000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 47.487 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012960.D

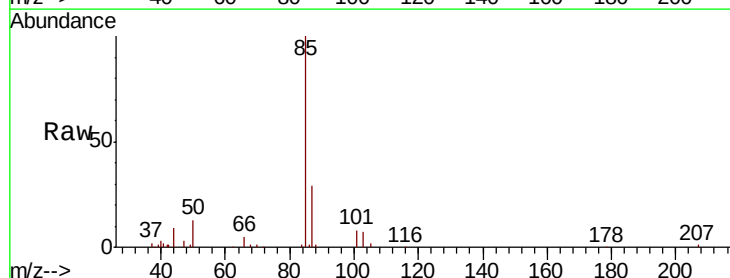
Acq: 13 Sep 2019 18:22

Tgt Ion: 85 Resp: 52549

Ion Ratio Lower Upper

85 100

87 28.6 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

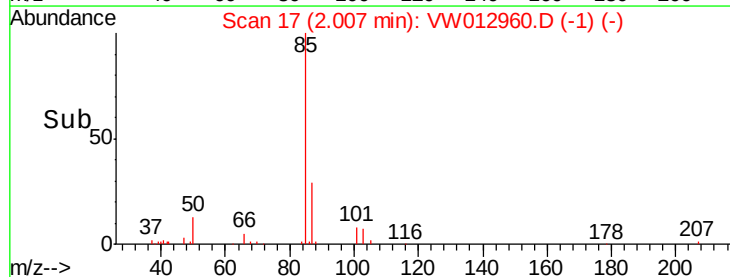
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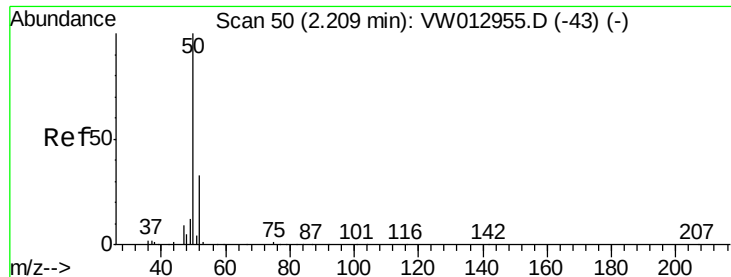
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 49.086 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 68090

Ion Ratio Lower Upper

50 100

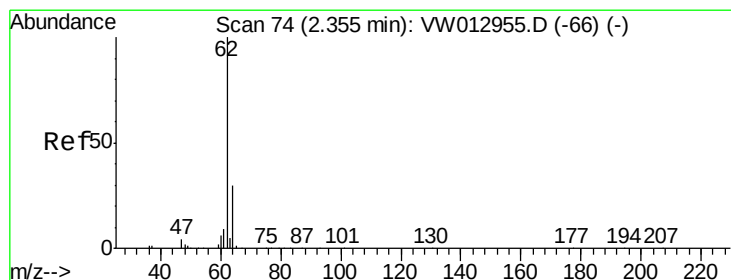
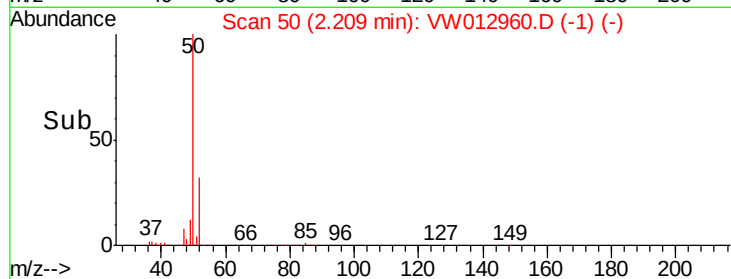
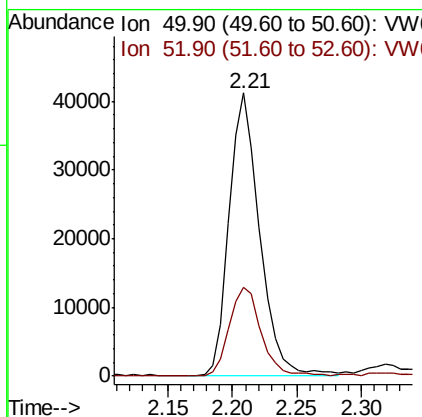
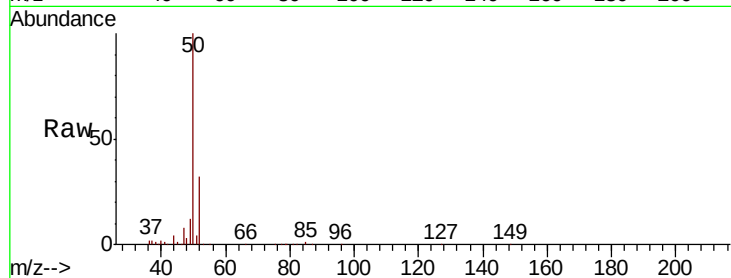
52 31.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.620 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012960.D

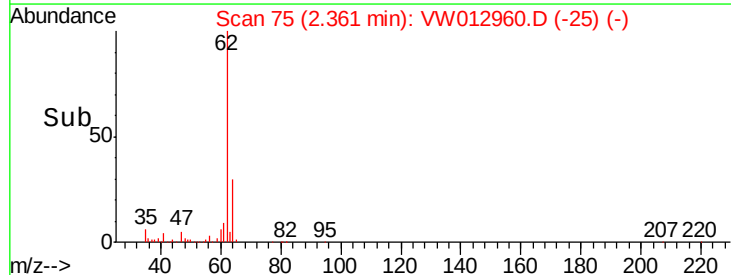
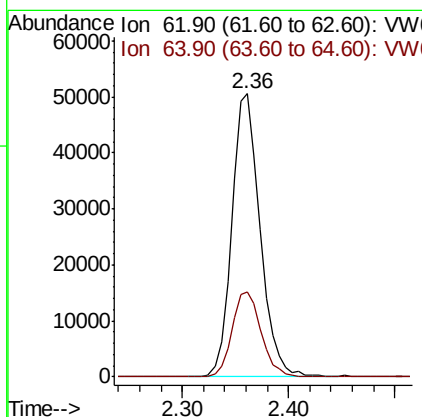
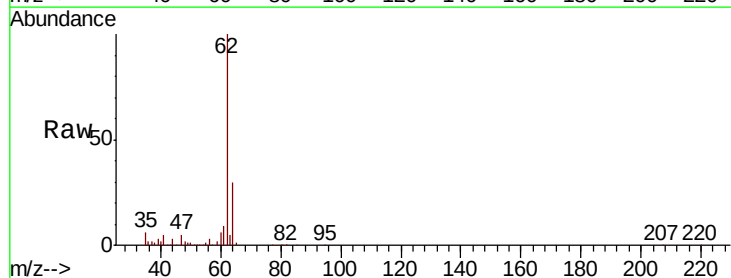
Acq: 13 Sep 2019 18:22

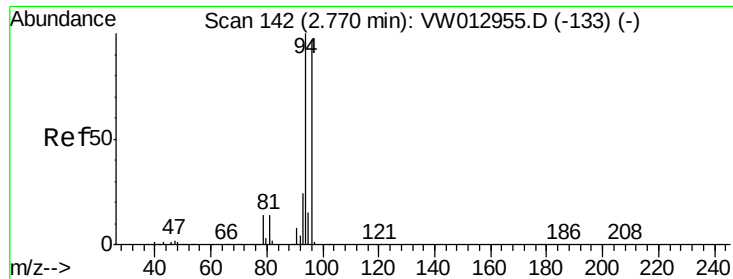
Tgt Ion: 62 Resp: 93960

Ion Ratio Lower Upper

62 100

64 29.9 24.2 36.4





#5

Bromomethane

Concen: 46.590 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

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VSTDCCC050

Tgt Ion: 94 Resp: 58600

Ion Ratio Lower Upper

94 100

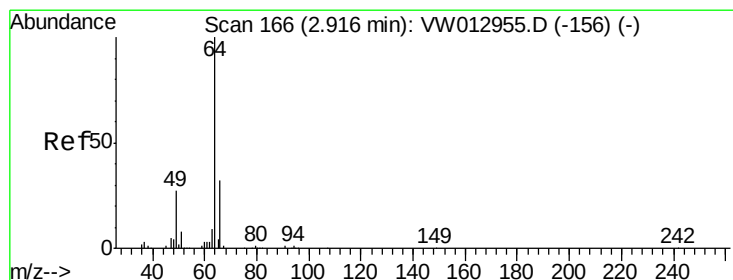
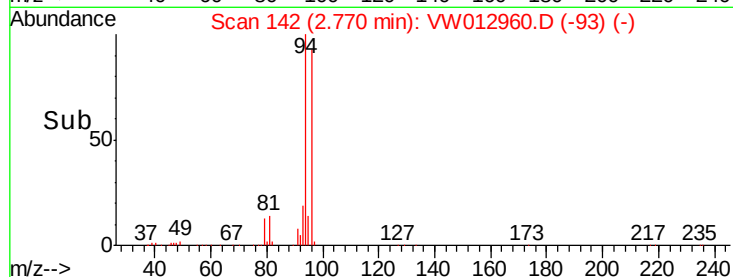
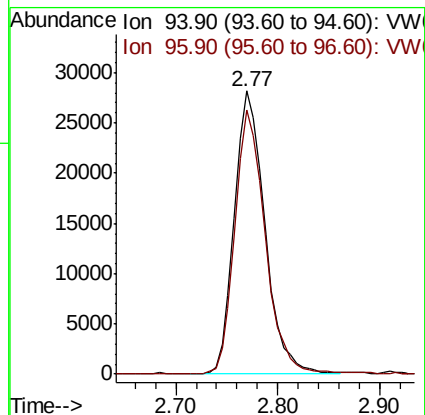
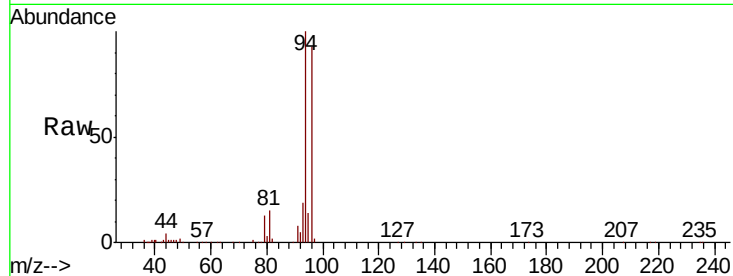
96 93.3 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 46.281 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012960.D

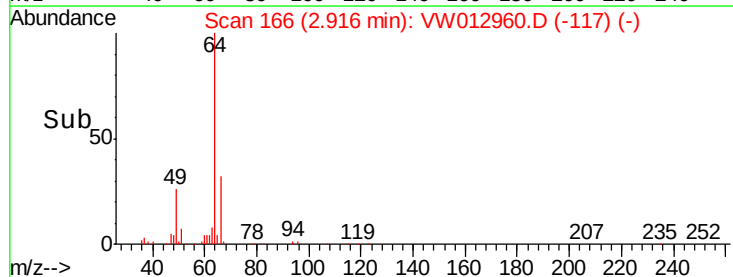
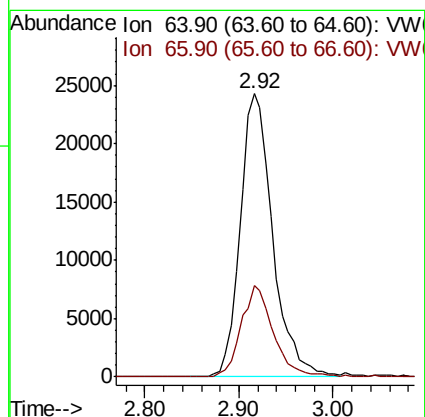
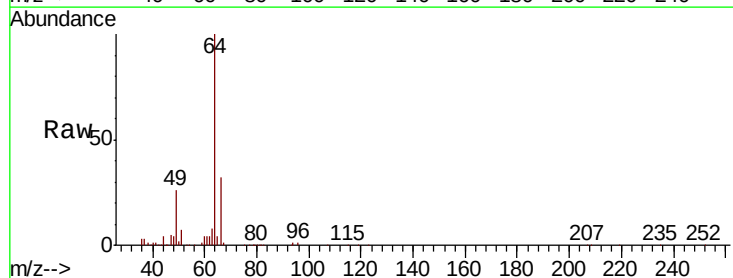
Acq: 13 Sep 2019 18:22

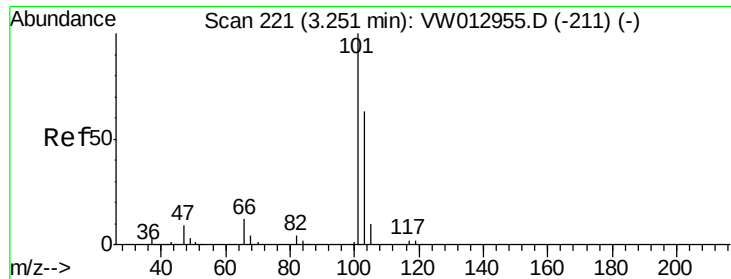
Tgt Ion: 64 Resp: 58462

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9





#7

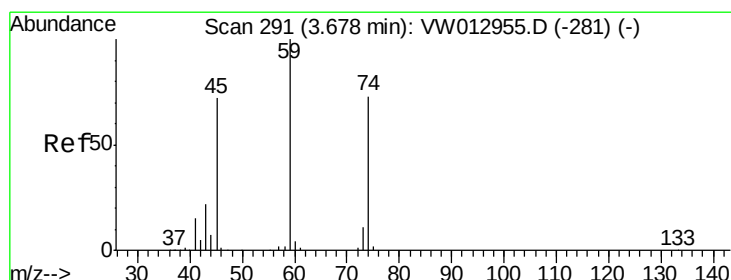
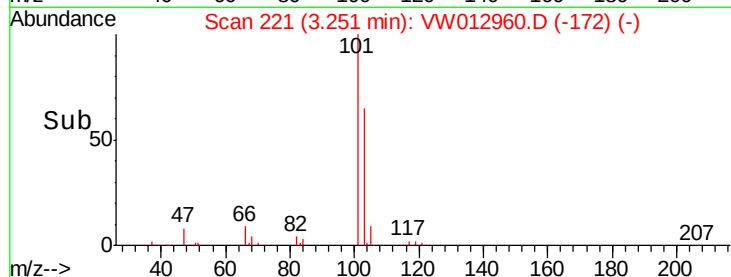
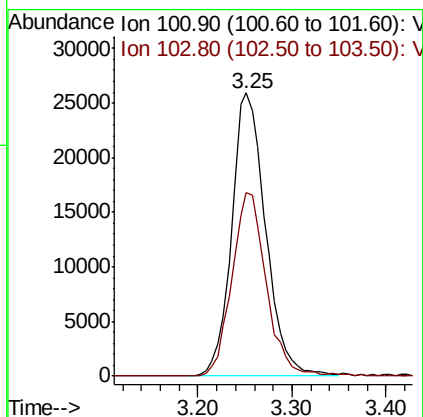
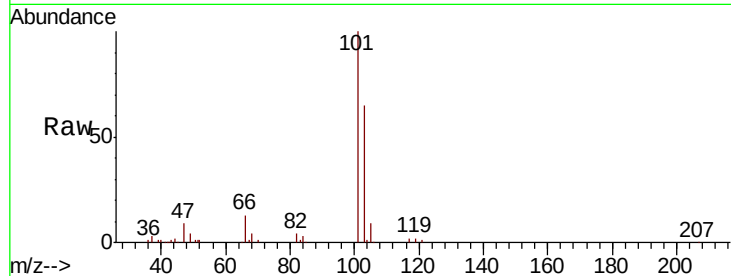
Trichlorofluoromethane
 Concen: 45.177 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

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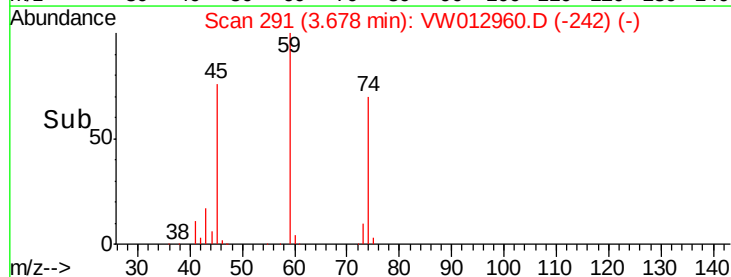
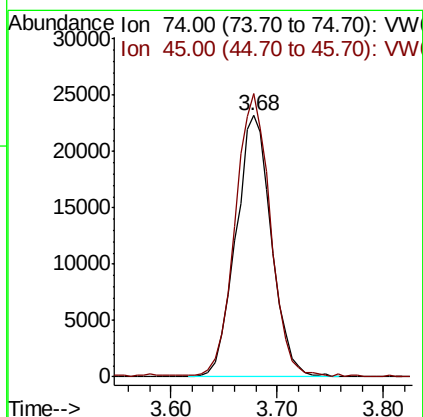
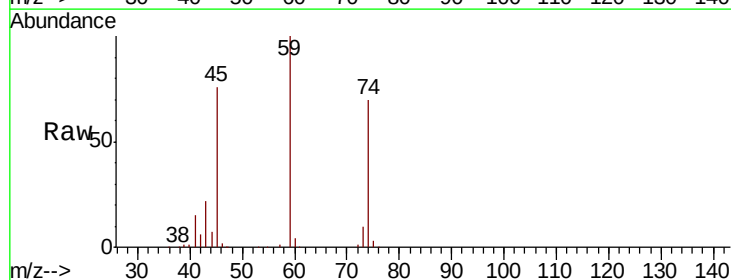
MMDadoda
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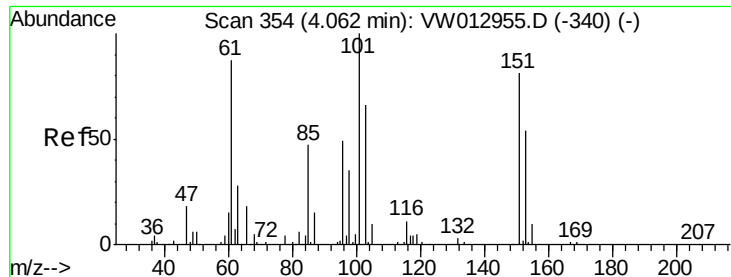


#8

Diethyl Ether
 Concen: 48.364 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.227 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012960.D

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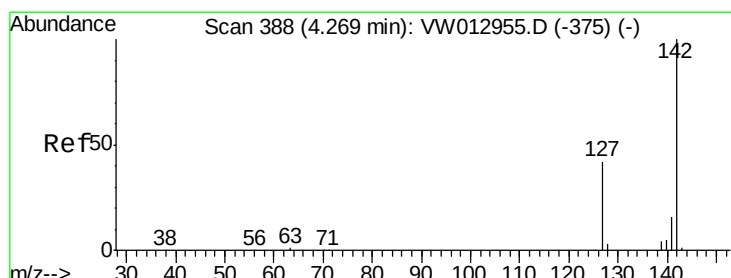
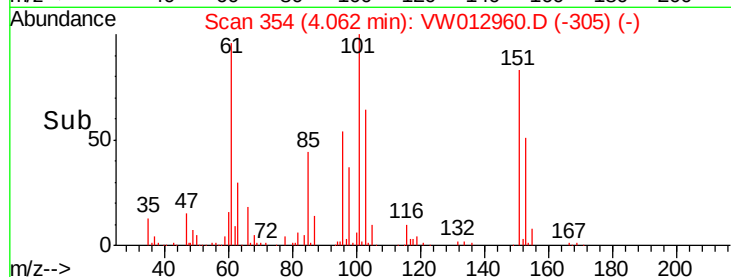
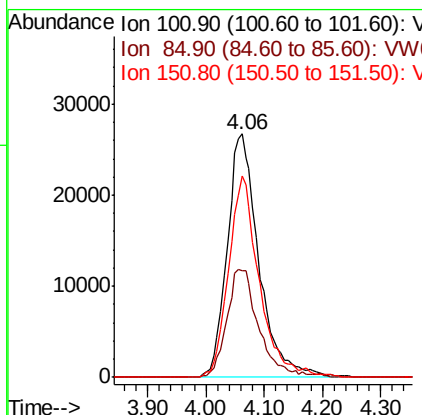
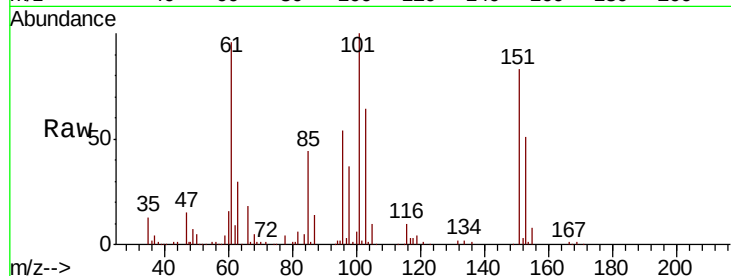
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	100979
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.9	52.3
151	80.5	66.0	99.0

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#10

Methyl Iodide

Concen: 47.054 ug/l

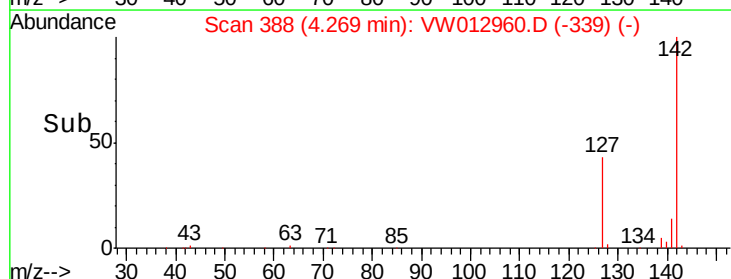
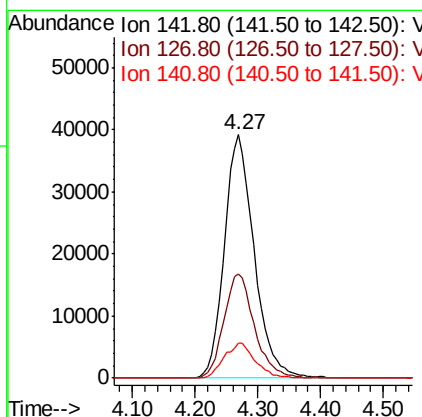
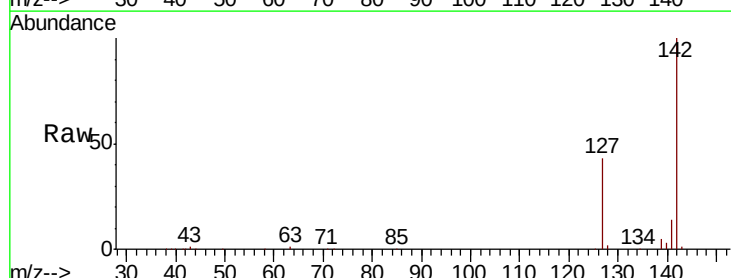
RT: 4.27 min Scan# 388

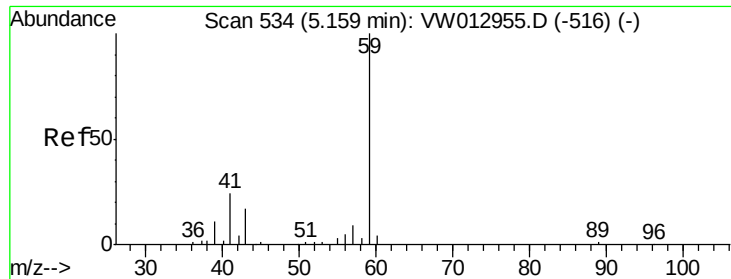
Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	142	Resp:	128637
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.7	52.1
141	15.1	12.2	18.2





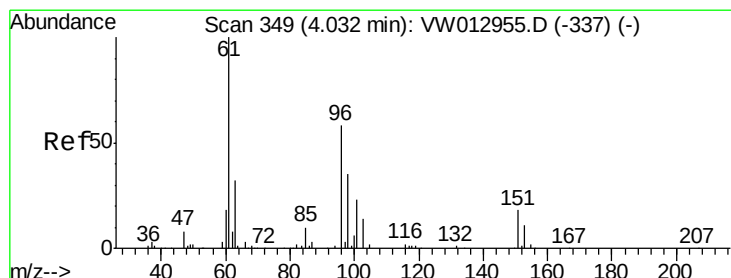
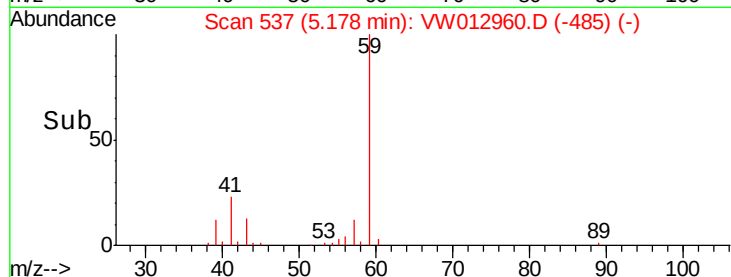
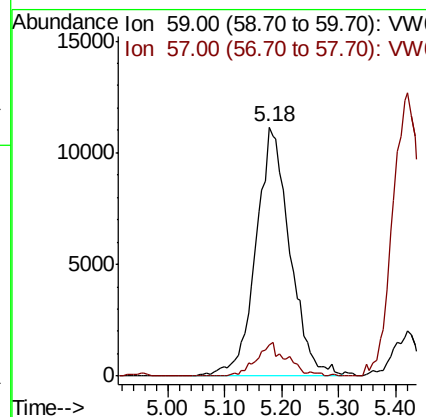
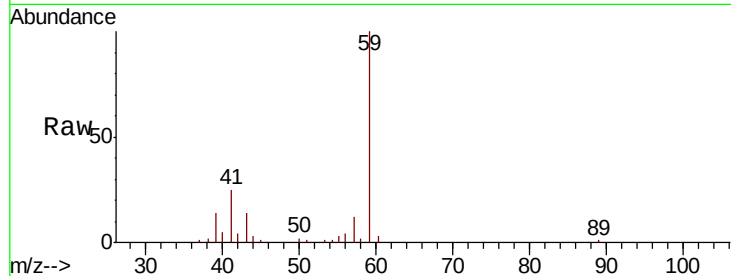
#11
Tert butyl alcohol
Concen: 257.865 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.5	12.7

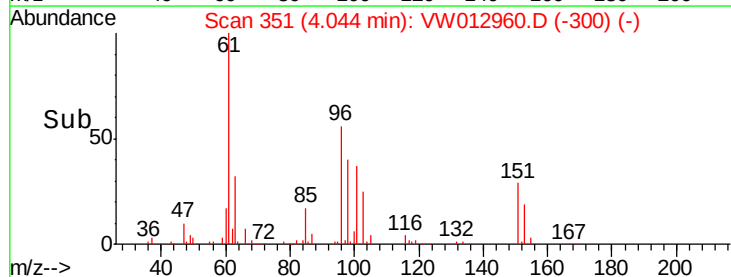
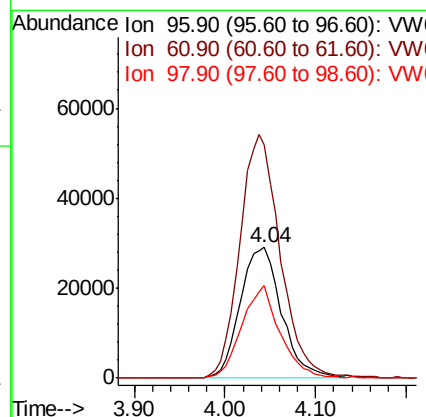
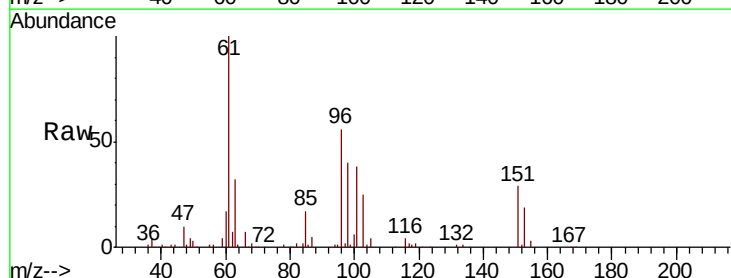
Manual Integrations
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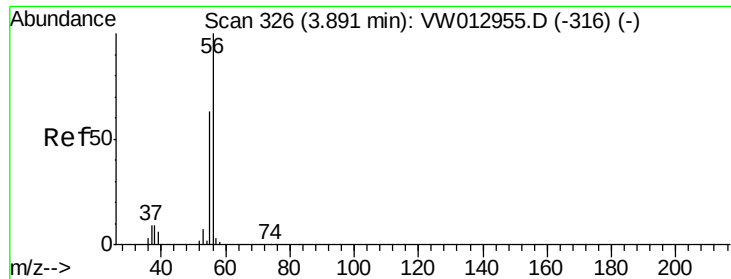
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.391 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.3	137.9	206.9
98	70.8	48.9	73.3





#13

Acrolein

Concen: 245.812 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 48181

Ion Ratio Lower Upper

56 100

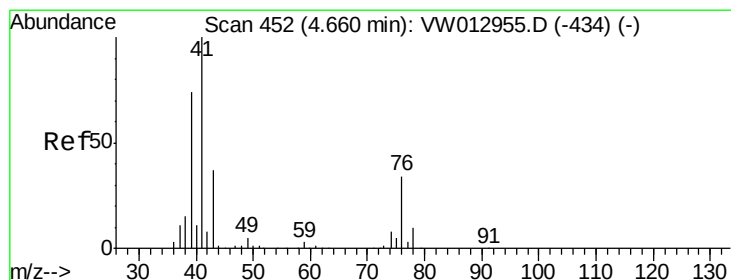
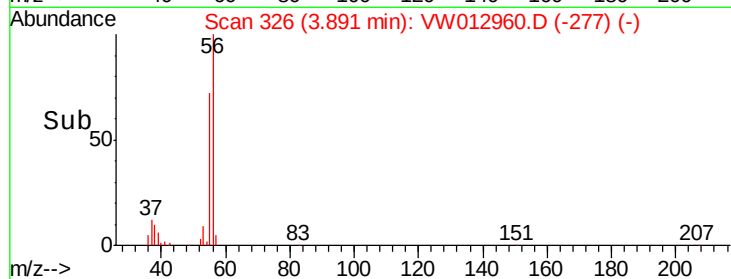
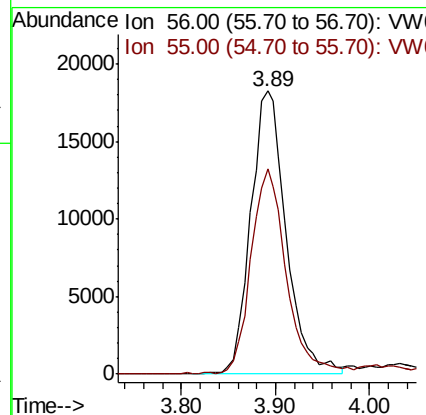
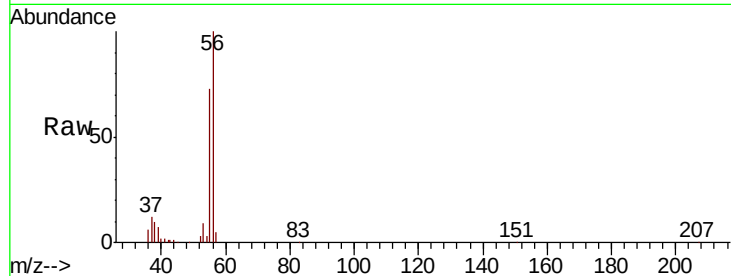
55 72.6 55.8 83.8

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#14

Allyl chloride

Concen: 48.007 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

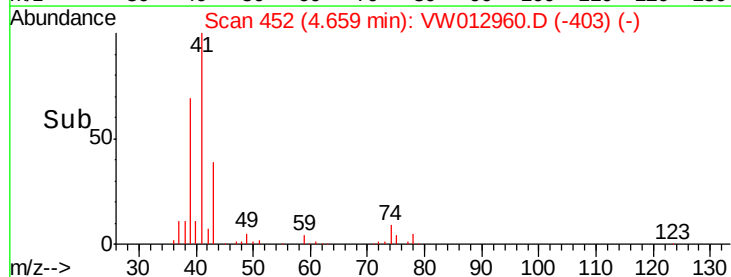
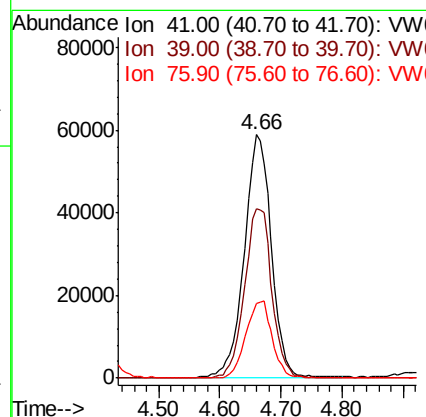
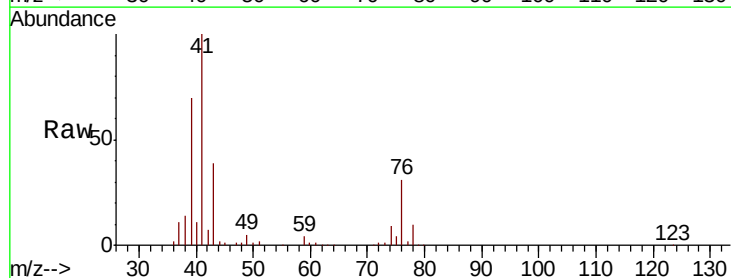
Tgt Ion: 41 Resp: 181017

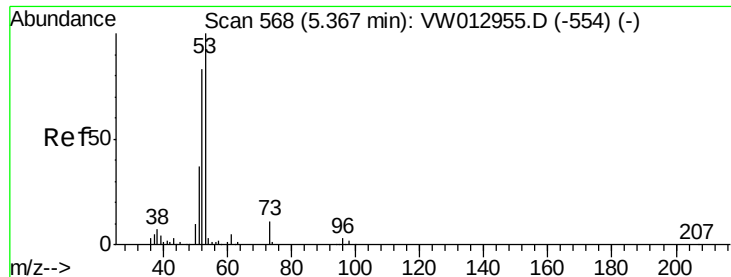
Ion Ratio Lower Upper

41 100

39 70.0 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 250.888 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

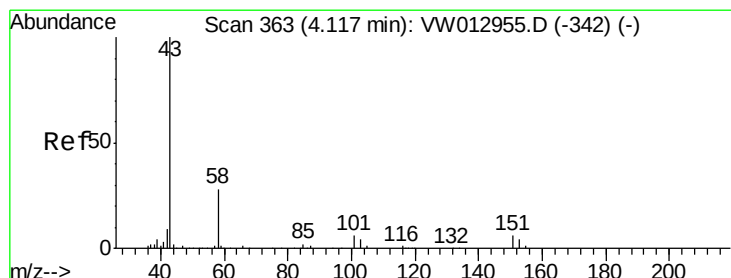
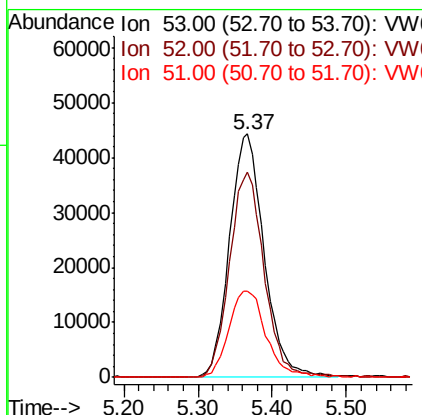
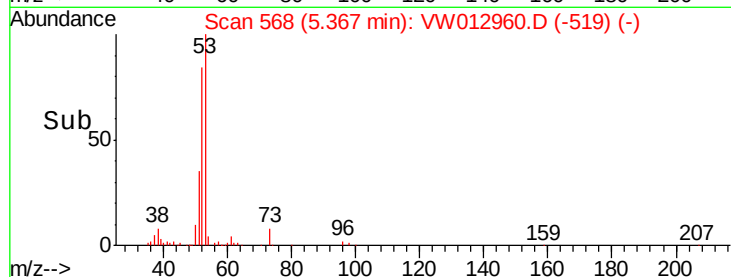
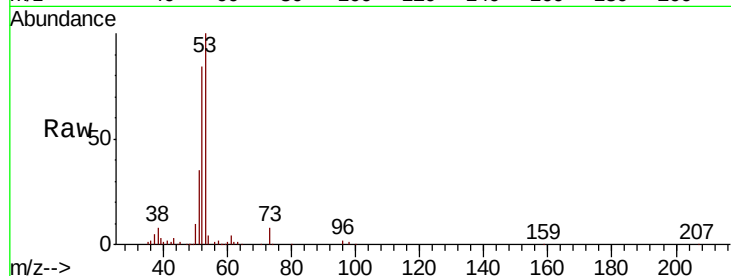
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	144107
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	100.0
51	38.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 254.838 ug/l

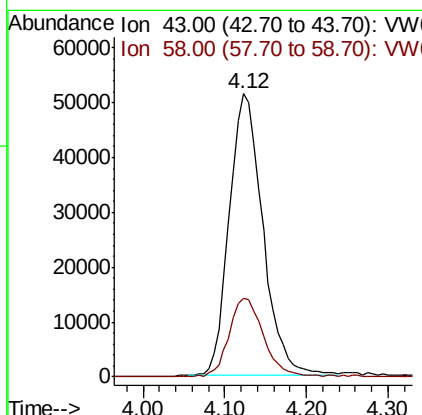
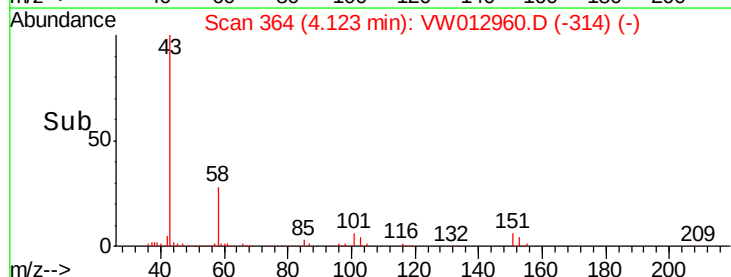
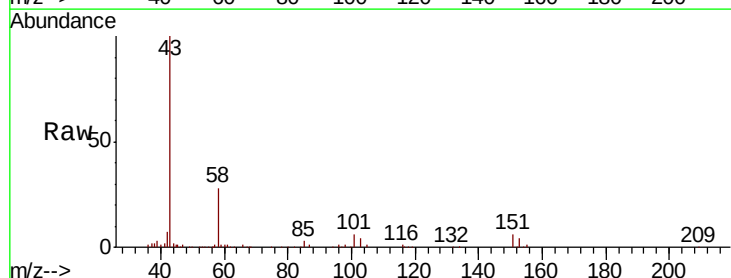
RT: 4.12 min Scan# 364

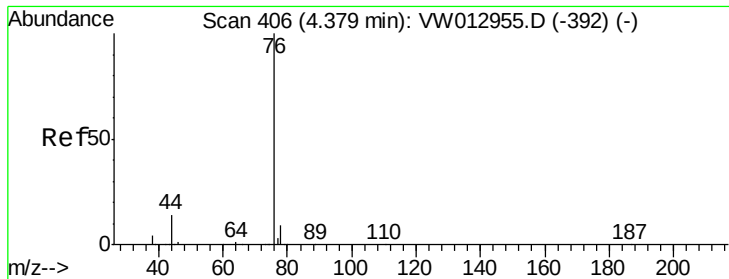
Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	43	Resp:	146736
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





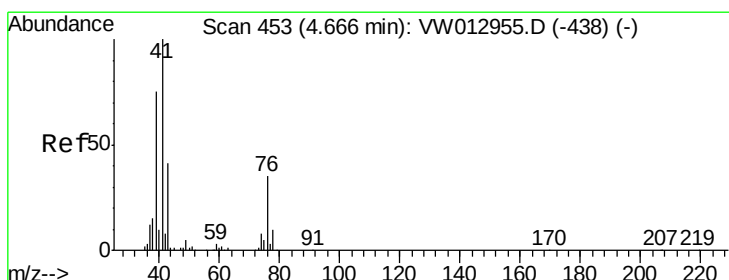
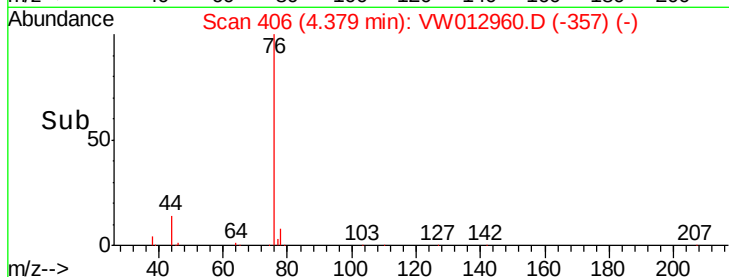
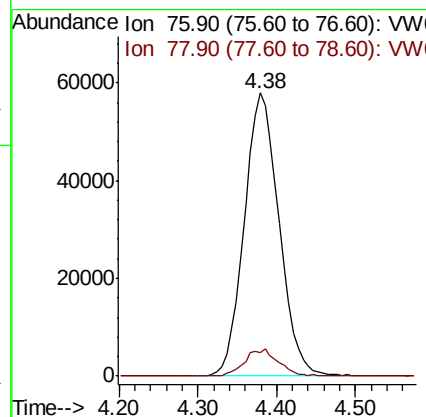
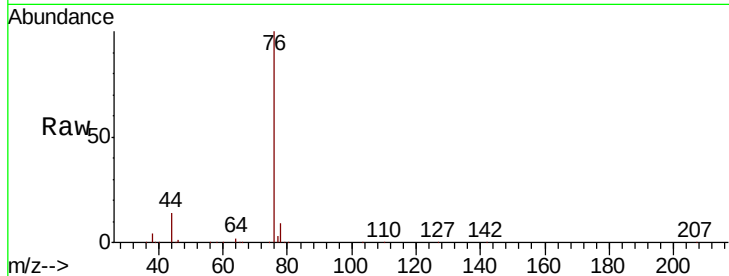
#17
Carbon Disulfide
Concen: 44.879 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 177636
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

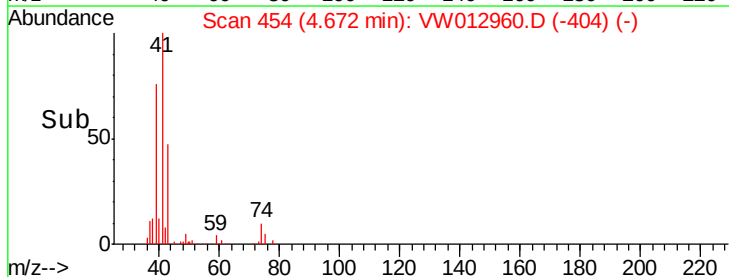
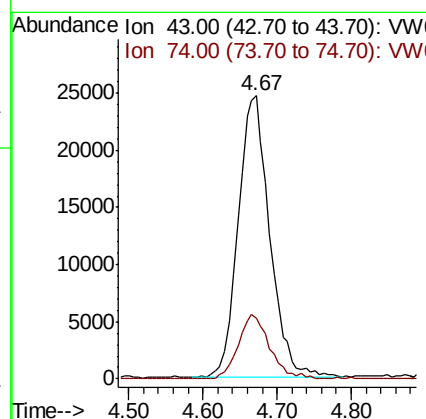
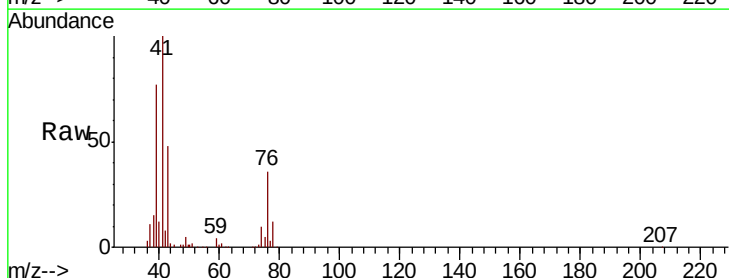
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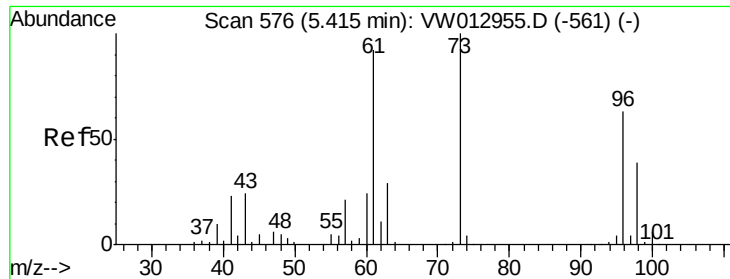
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#18
Methyl Acetate
Concen: 48.525 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 43 Resp: 73470
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8





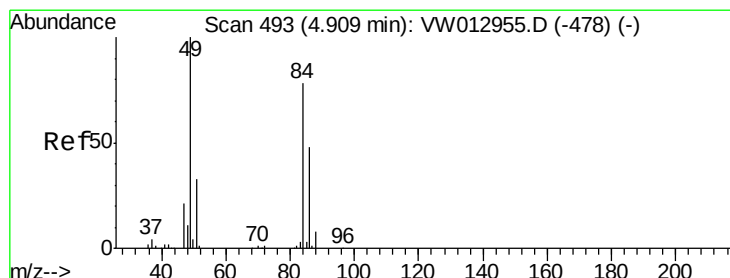
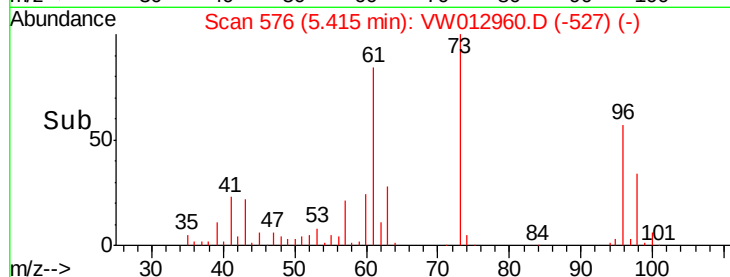
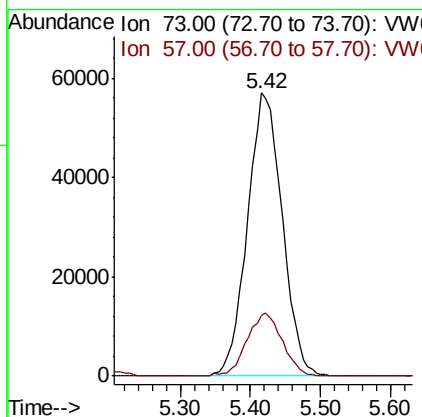
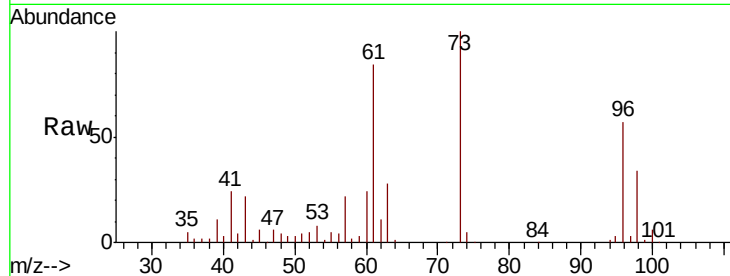
#19
Methyl tert-butyl Ether
Concen: 50.283 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 197142
Ion Ratio Lower Upper
73 100
57 21.7 16.4 24.6

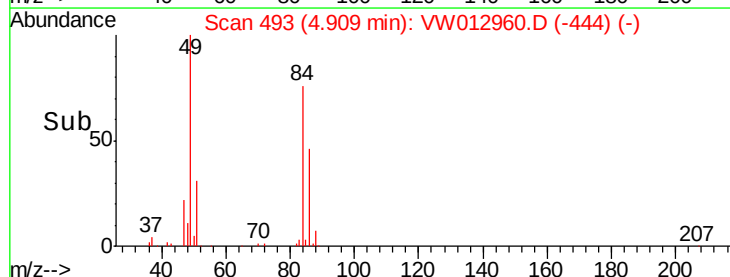
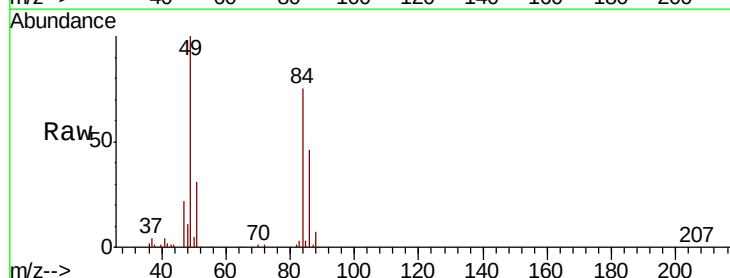
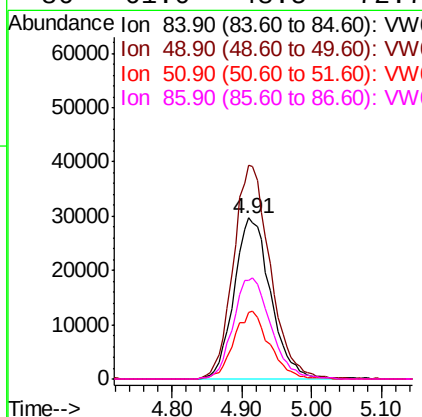
Manual Integrations
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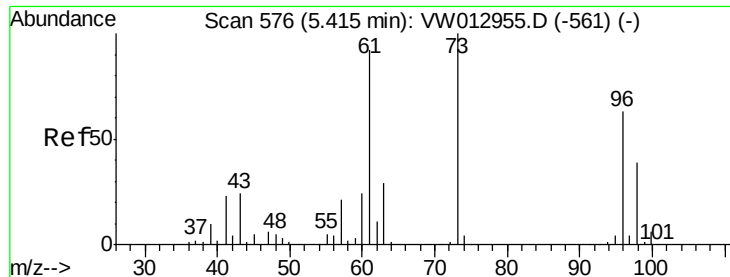
MMDadoda
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#20
Methylene Chloride
Concen: 50.271 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 84 Resp: 107871
Ion Ratio Lower Upper
84 100
49 132.7 102.0 153.0
51 41.5 34.0 51.0
86 61.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 45.945 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 97738

Ion Ratio Lower Upper

96 100

61 140.7 116.2 174.2

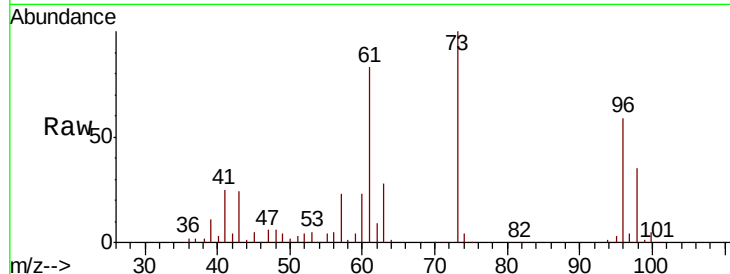
98 59.5 49.8 74.6

Manual Integrations

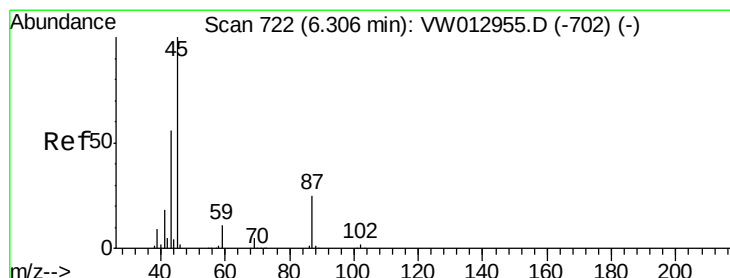
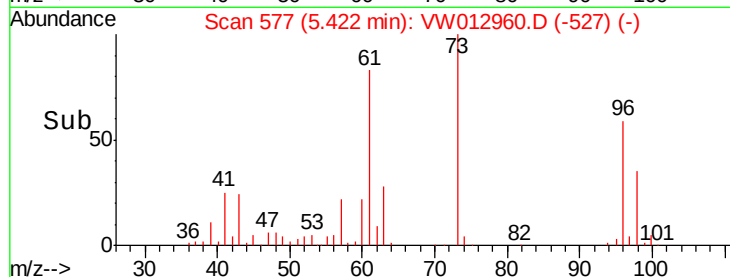
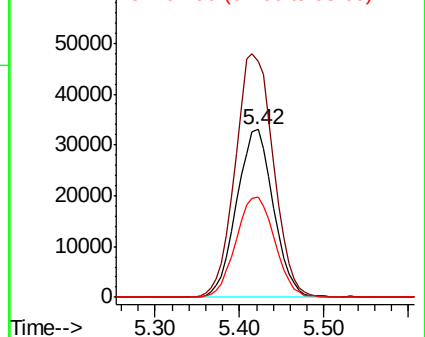
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.295 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion: 45 Resp: 386144

Ion Ratio Lower Upper

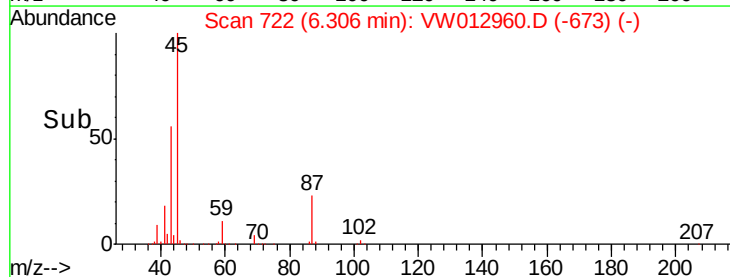
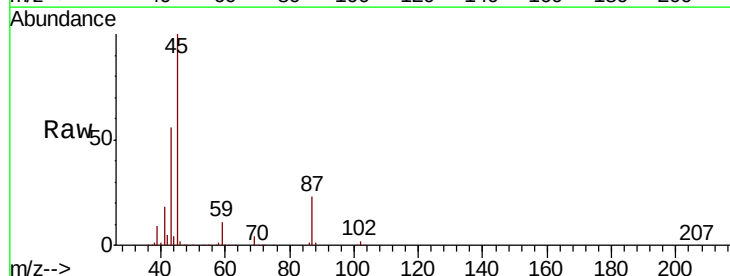
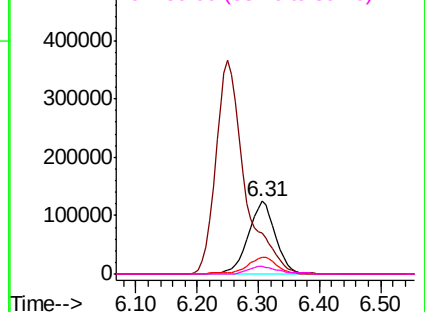
45 100

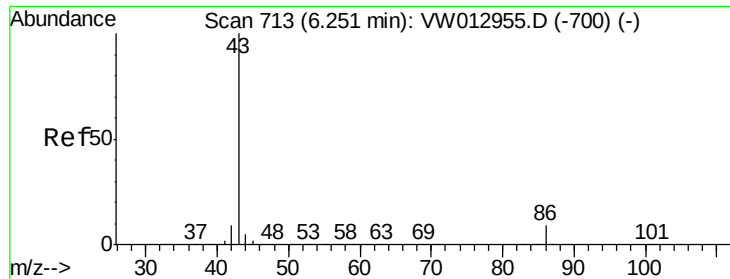
43 55.4 44.6 67.0

87 23.5 20.0 30.0

59 11.0 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 257.010 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1205805

Ion Ratio Lower Upper

43 100

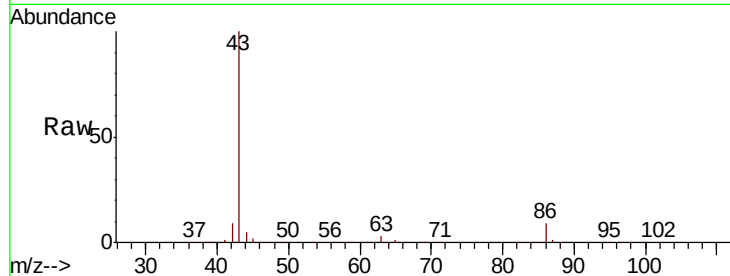
86 9.0 7.0 10.6

Manual Integrations

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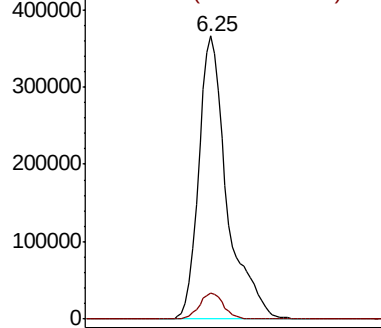
MMDadoda

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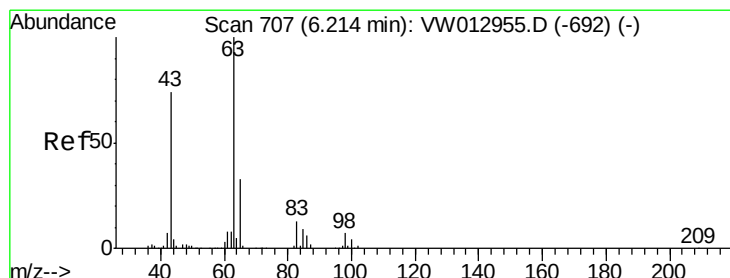
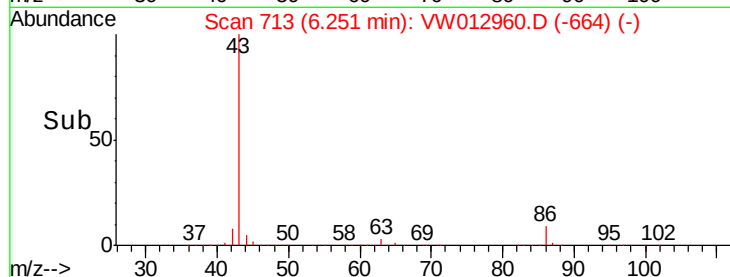


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 47.078 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

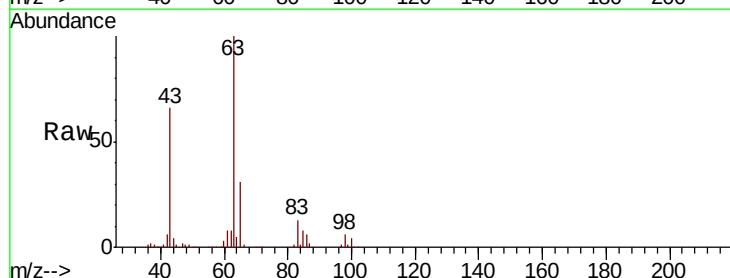
Tgt Ion: 63 Resp: 212623

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

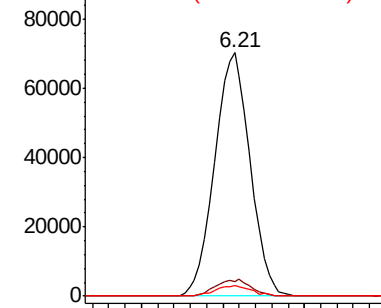
100 4.4 1.8 5.5



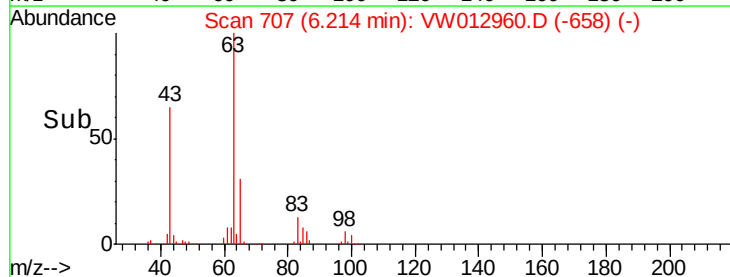
Abundance Ion 62.90 (62.60 to 63.60): VW

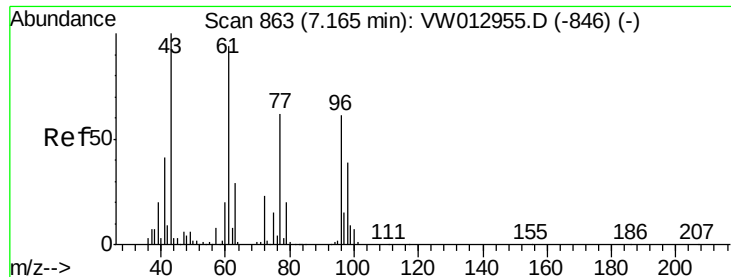
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 248.944 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 210367

Ion Ratio Lower Upper

43 100

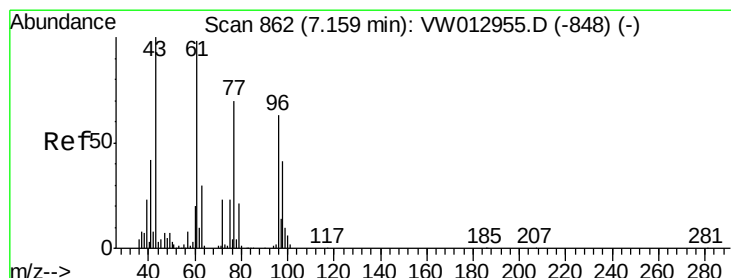
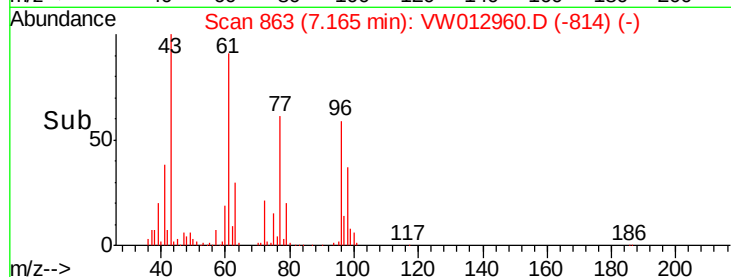
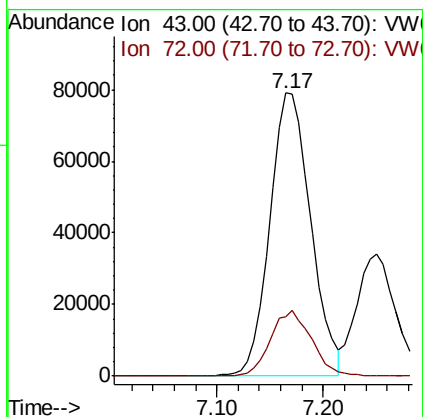
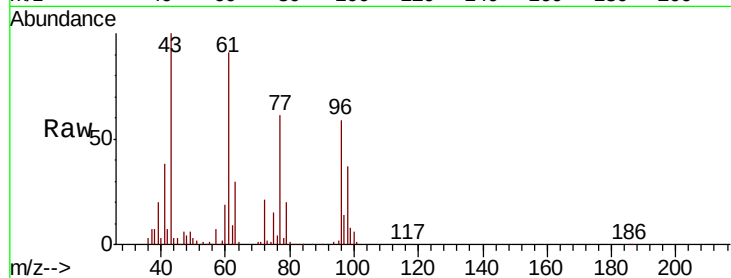
72 21.0 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.714 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012960.D

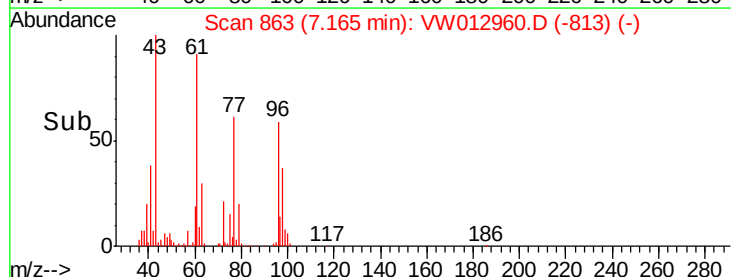
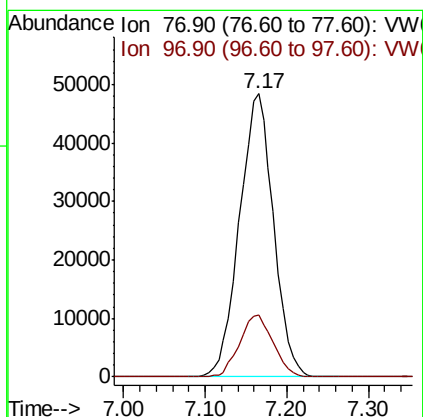
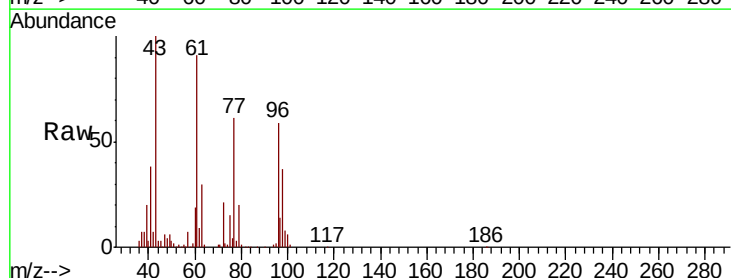
Acq: 13 Sep 2019 18:22

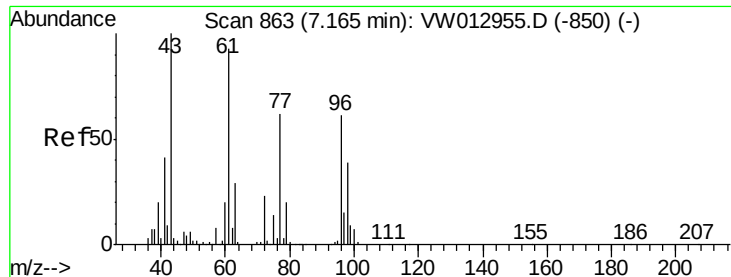
Tgt Ion: 77 Resp: 139946

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1





#27

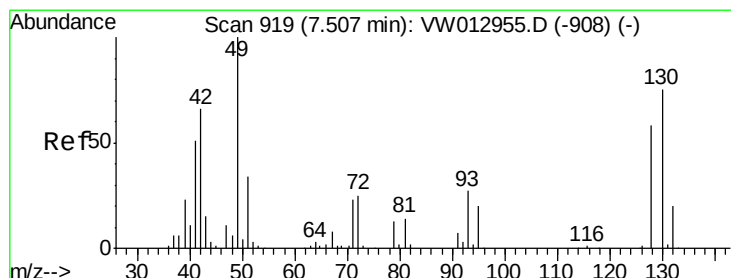
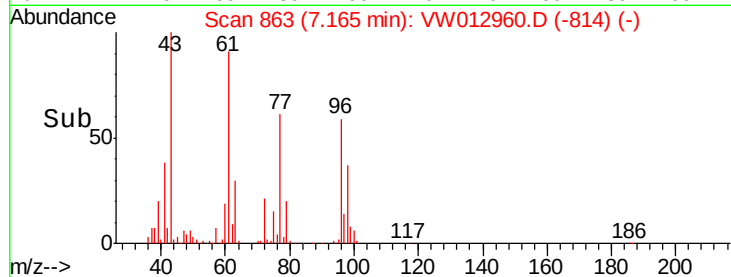
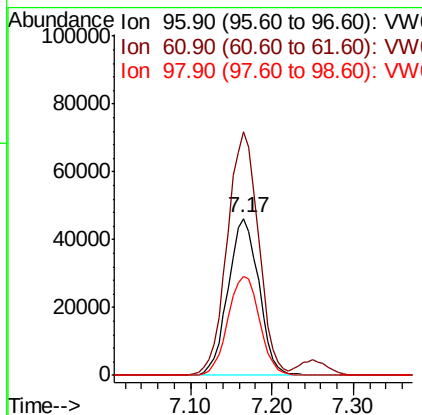
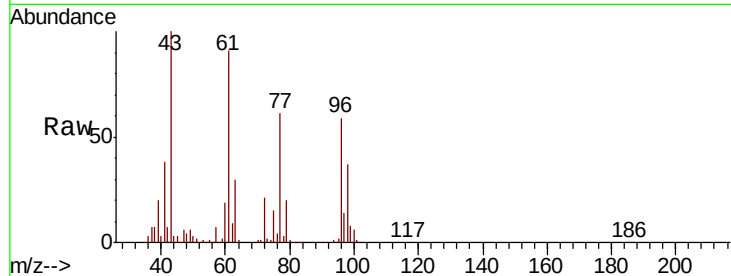
cis-1,2-Dichloroethene
Concen: 47.157 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120100		
61	158.0	0.0	315.4	
98	65.1	0.0	131.0	

Manual Integrations
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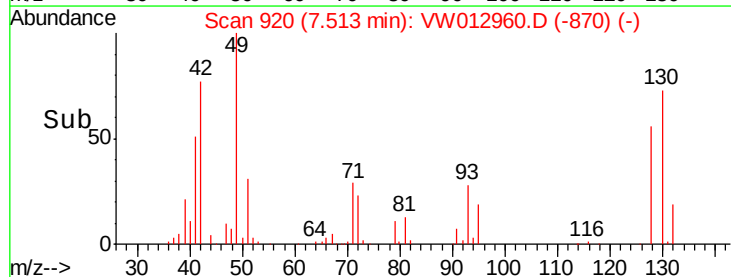
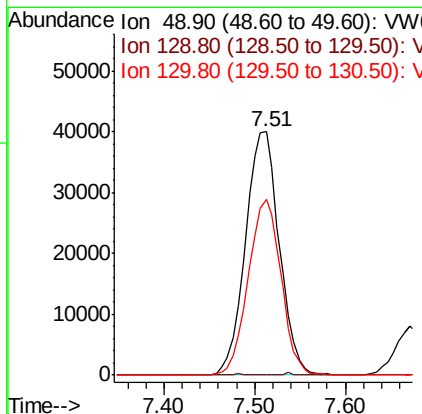
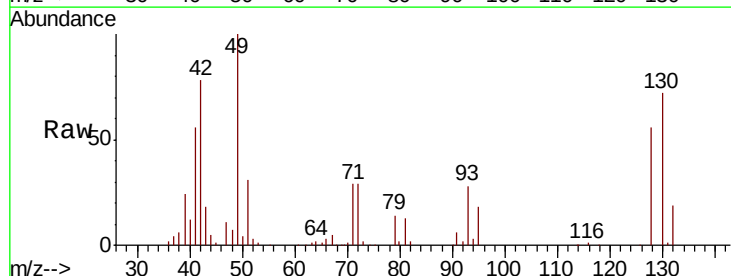
MMDadoda
9/16/2019 12:43:47 AM

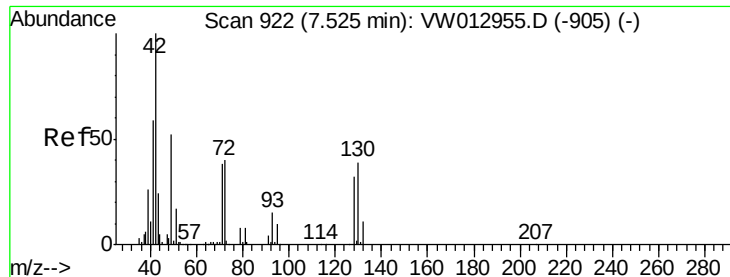


#28

Bromochloromethane
Concen: 54.326 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103272		
129	0.0	0.0	1.4	
130	69.7	57.8	86.6	





#29

Tetrahydrofuran

Concen: 259.832 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

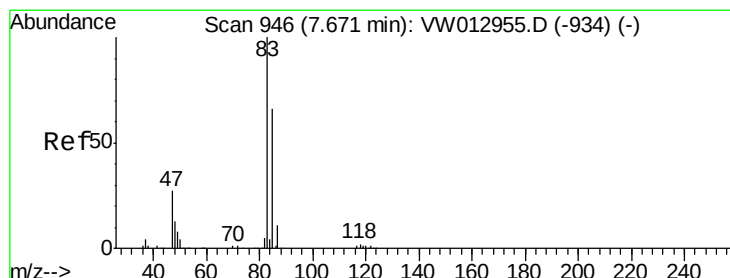
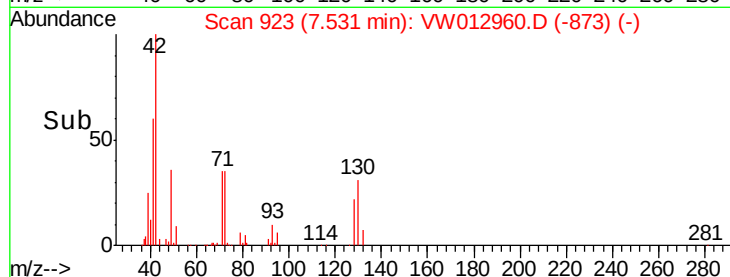
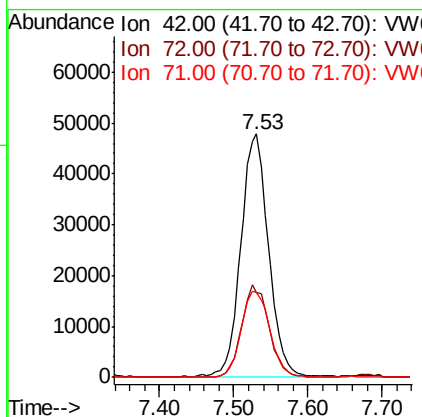
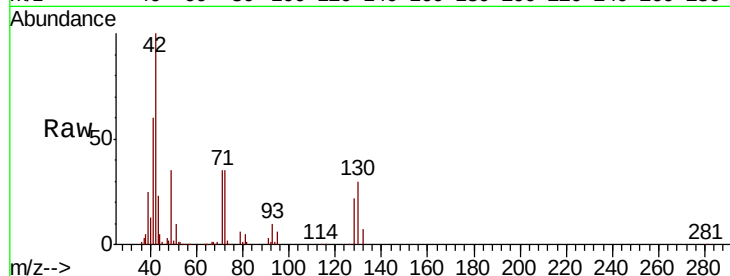
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	125106
Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.4	47.0
71	36.8	29.8	44.8

Manual Integrations
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#30

Chloroform

Concen: 46.688 ug/l

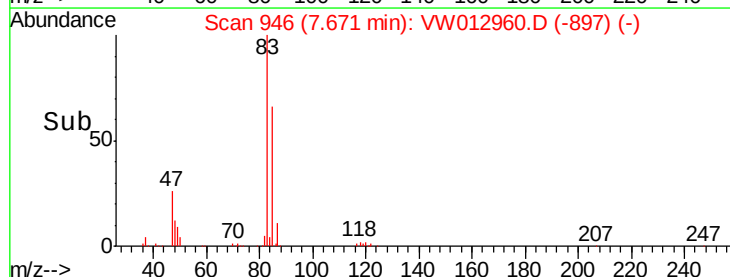
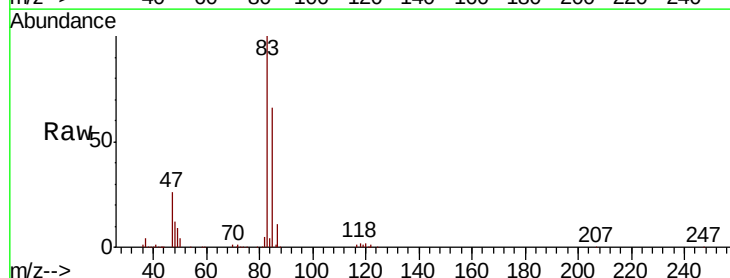
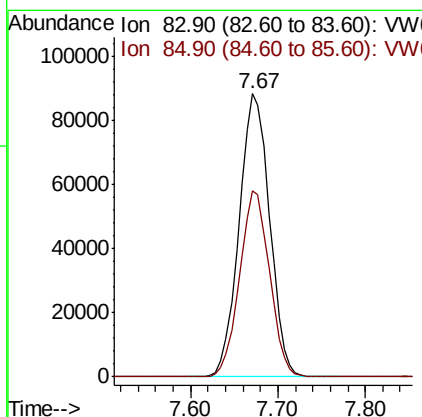
RT: 7.67 min Scan# 946

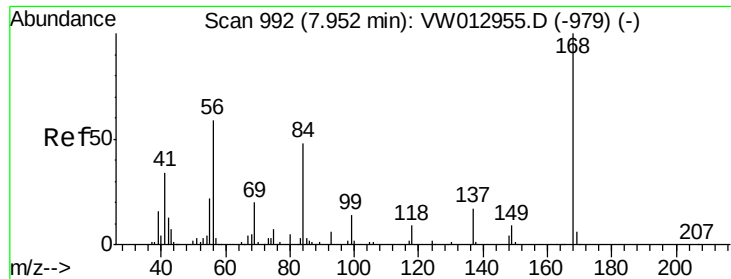
Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	83	Resp:	214254
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.8	79.2





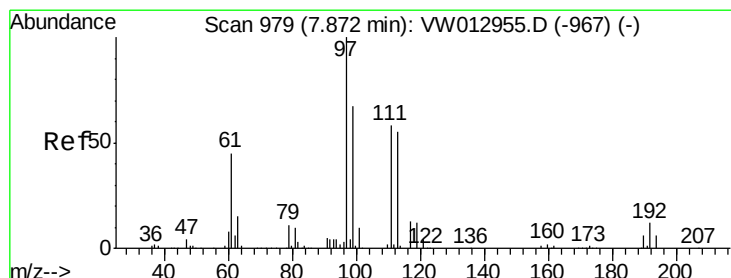
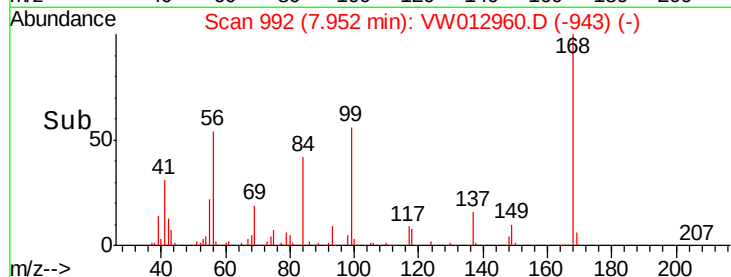
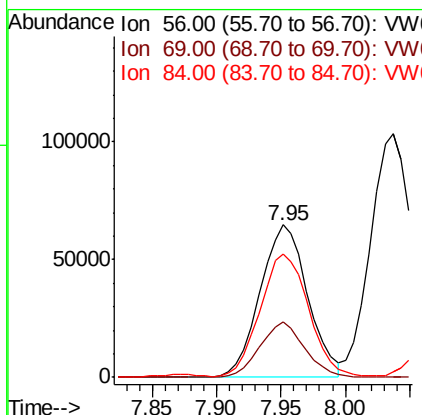
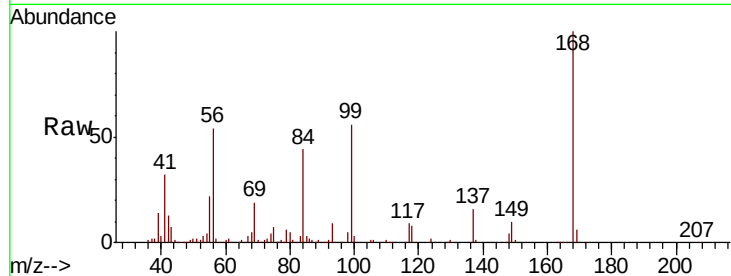
#31
Cyclohexane
Concen: 48.879 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.0	27.0	40.6
84	79.5	66.2	99.2

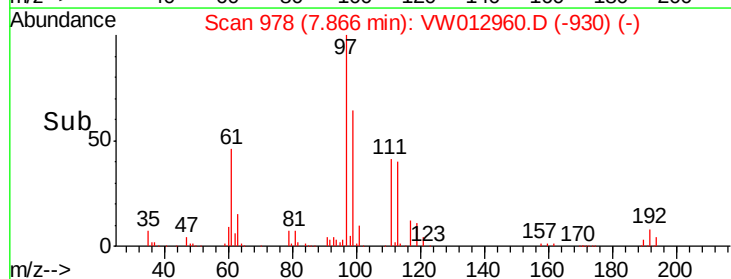
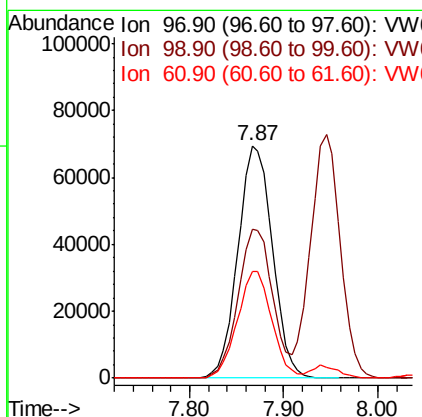
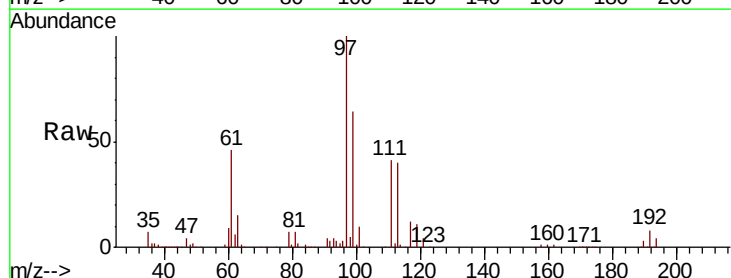
Manual Integrations
APPROVED

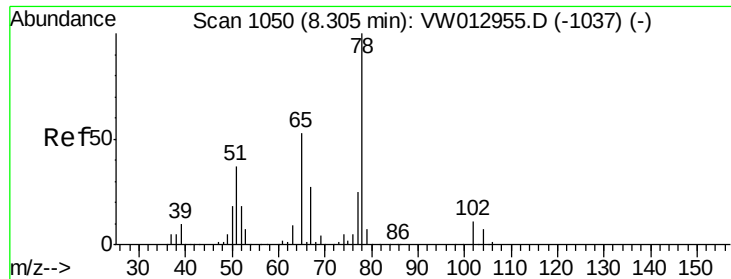
MMDadoda
9/16/2019 12:43:47 AM



#32
1,1,1-Trichloroethane
Concen: 46.787 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	53.0	79.4
61	45.6	36.5	54.7





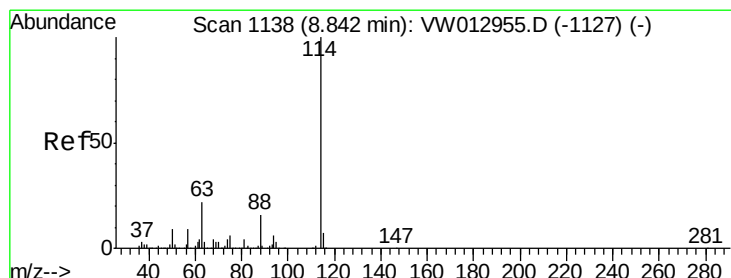
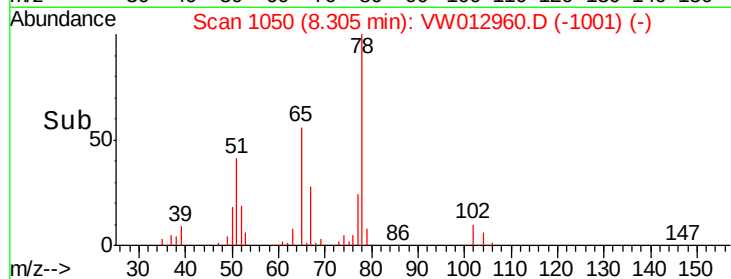
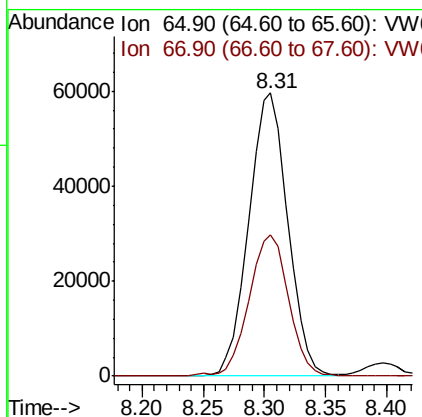
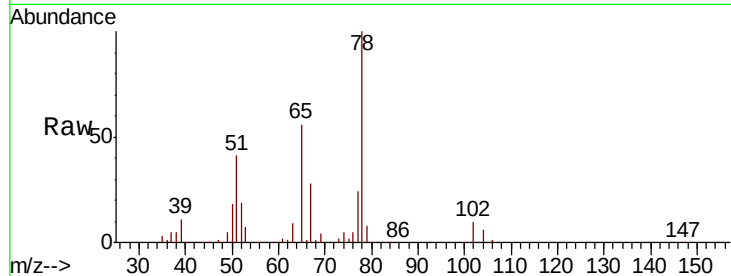
#33
 1,2-Dichloroethane-d4
 Concen: 49.753 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	132220		
67	50.8	0.0	101.2	

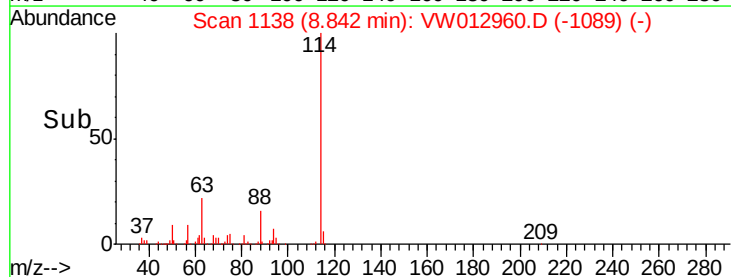
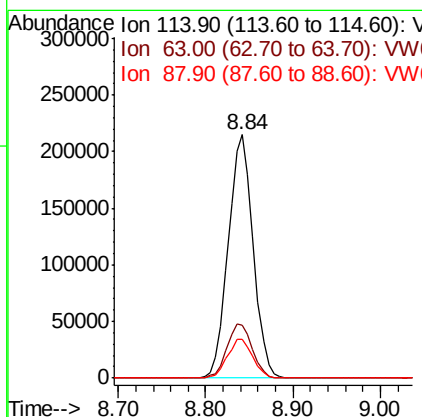
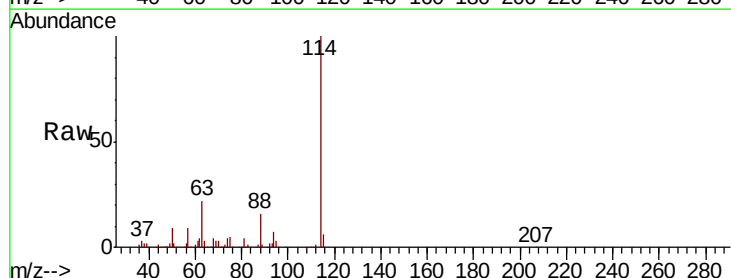
Manual Integrations
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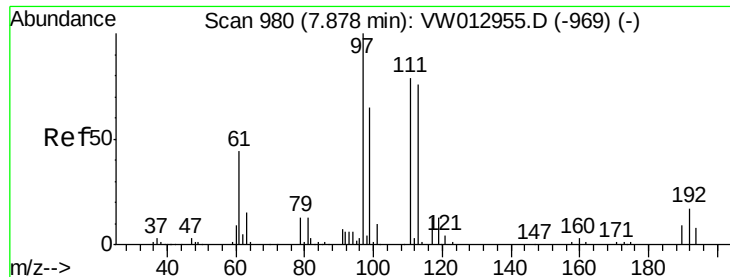
MMDadoda
 9/16/2019 12:43:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423166		
63	21.7	0.0	43.4	
88	16.2	0.0	31.6	





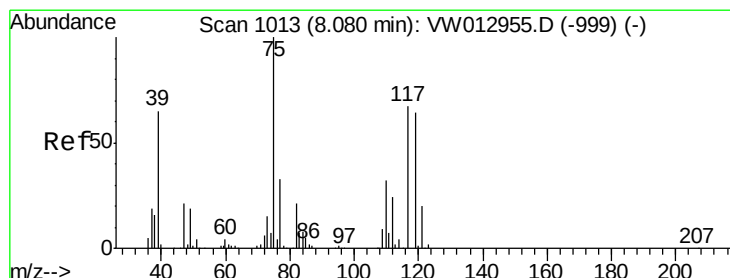
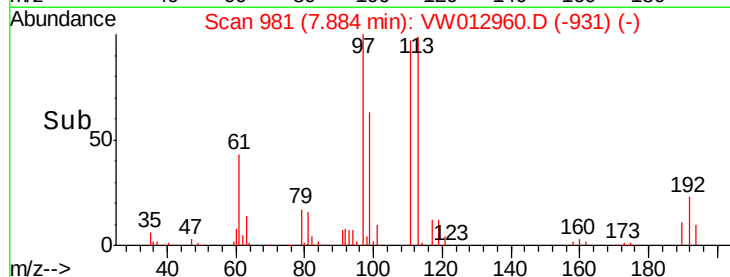
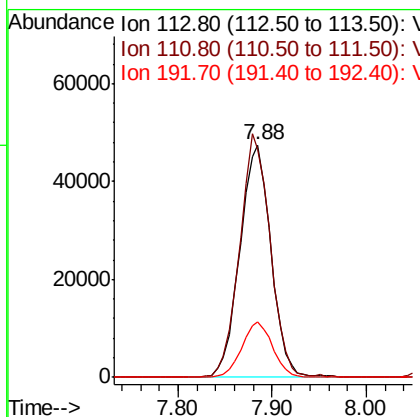
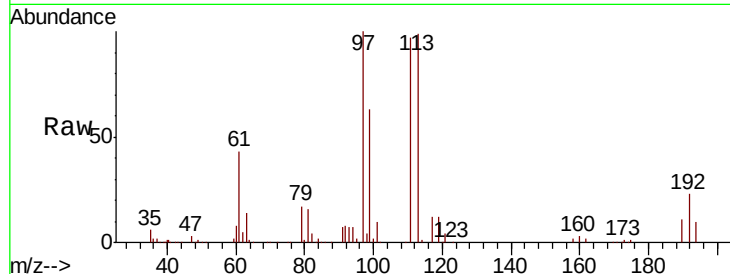
#35
 Dibromofluoromethane
 Concen: 47.790 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109733		
111	103.0	82.8	124.2	
192	23.5	17.8	26.8	

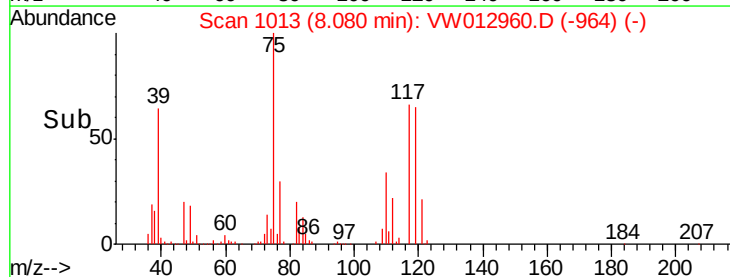
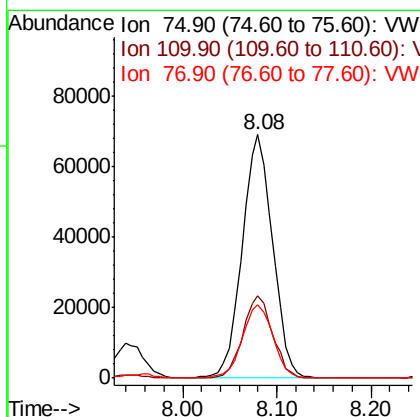
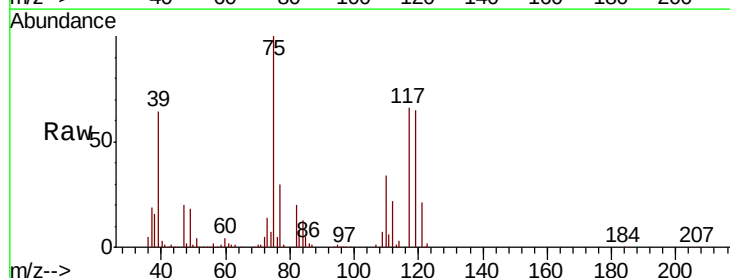
Manual Integrations
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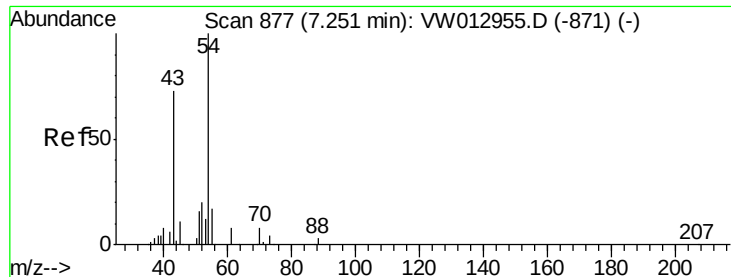
MMDadoda
 9/16/2019 12:43:47 AM



#36
 1,1-Dichloropropene
 Concen: 45.722 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154606		
110	32.9	16.4	49.1	
77	30.5	25.1	37.7	





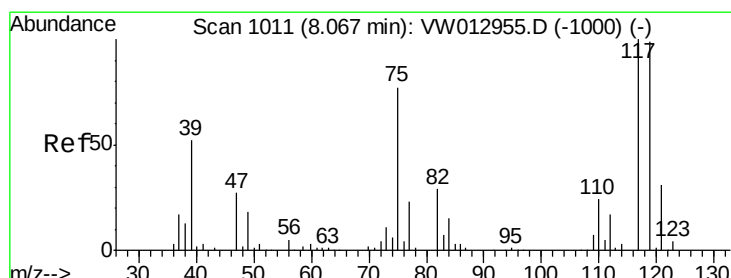
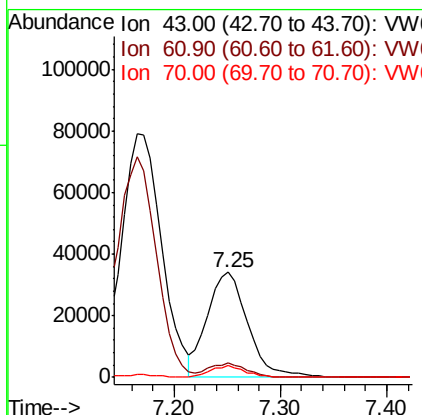
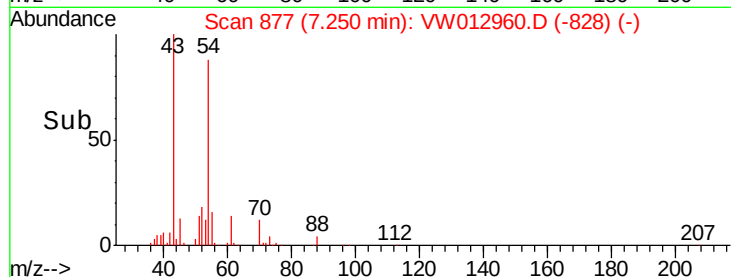
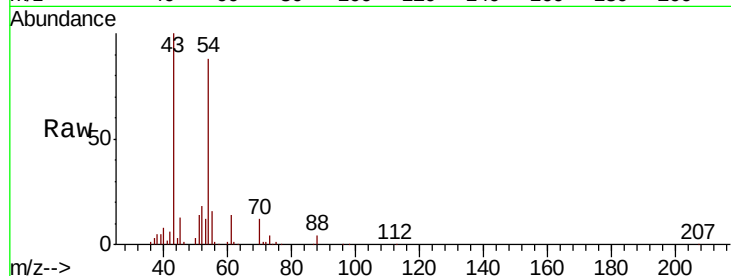
#37
Ethyl Acetate
Concen: 49.464 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.6	14.4
70	10.0	7.6	11.4

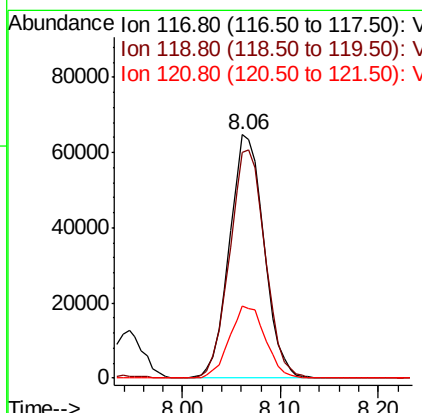
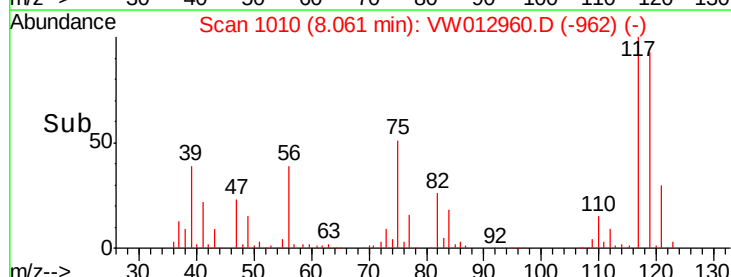
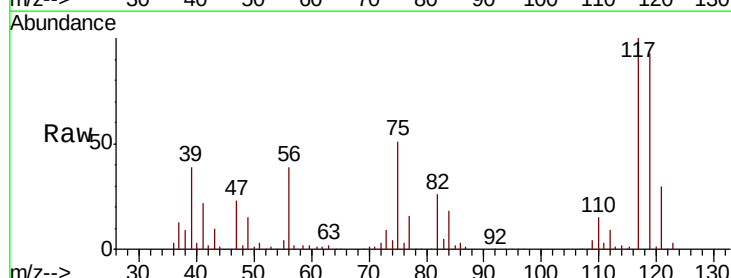
Manual Integrations
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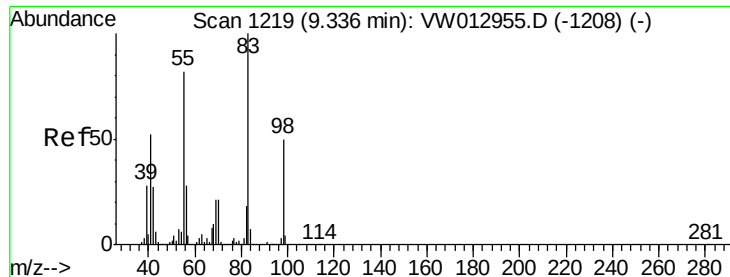
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#38
Carbon Tetrachloride
Concen: 45.805 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	79.4	119.0
121	29.7	24.6	36.8





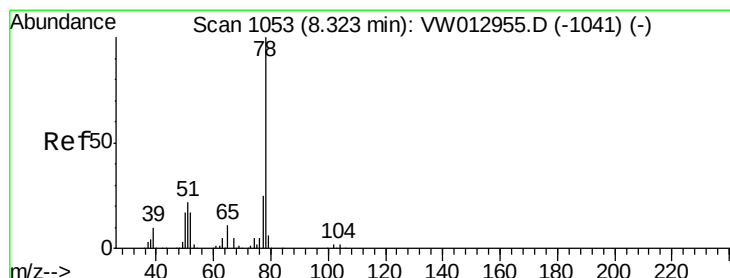
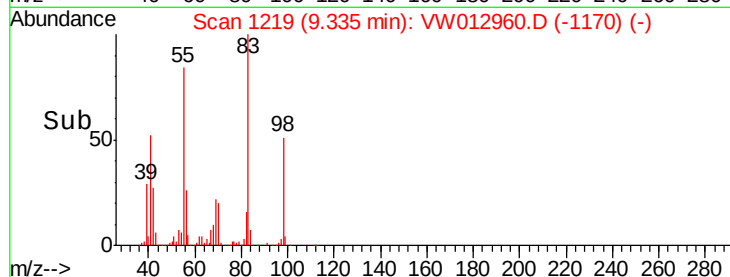
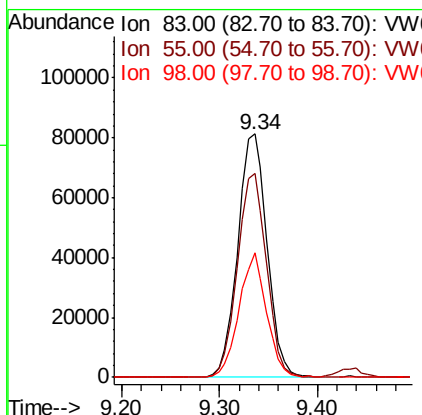
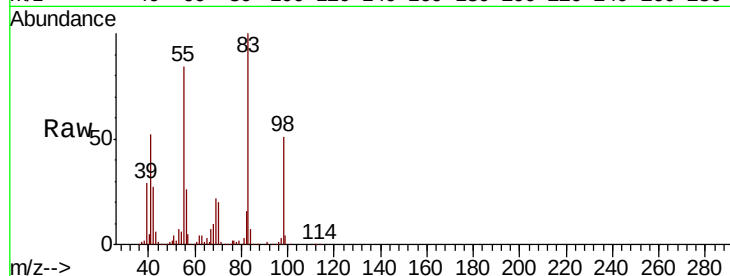
#39
Methylcyclohexane
Concen: 45.687 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	169287		
55	83.6	65.9	98.9	
98	51.2	39.6	59.4	

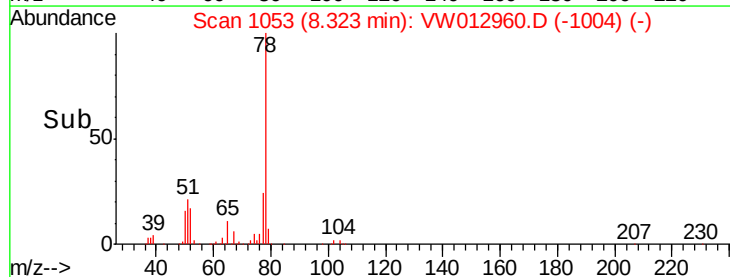
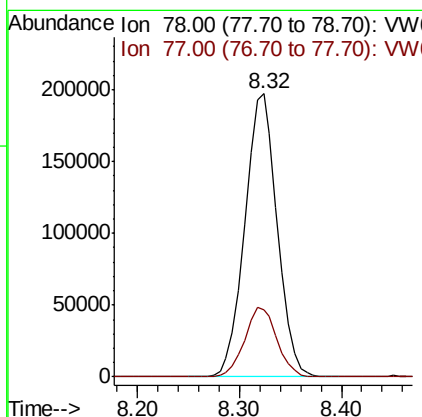
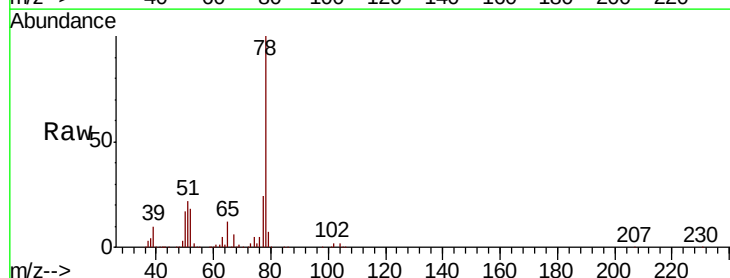
Manual Integrations
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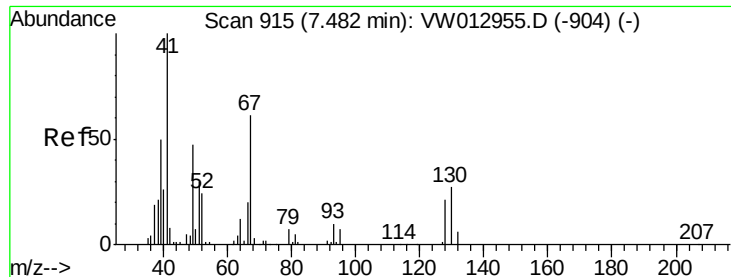
MMDadoda
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#40
Benzene
Concen: 46.118 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	435345		
77	23.8	19.6	29.4	





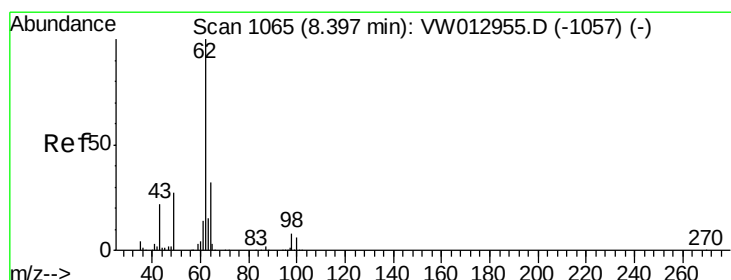
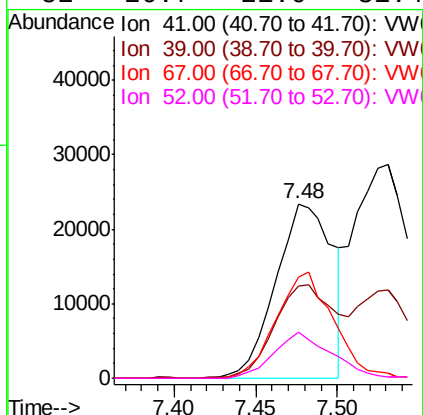
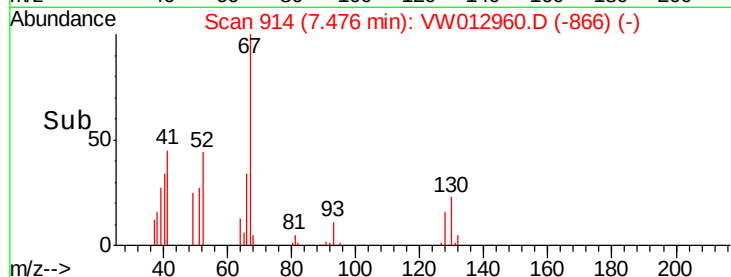
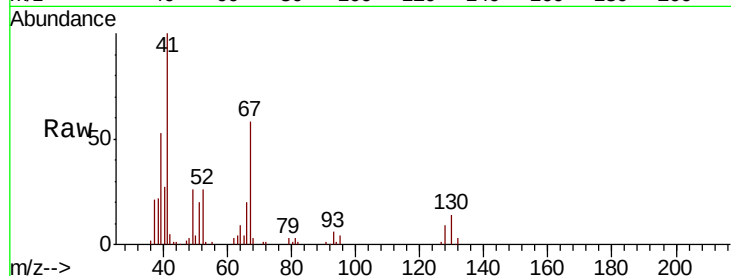
#41
Methacrylonitrile
Concen: 47.976 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.3	48.2	72.4
67	61.3	47.5	71.3
52	26.7	21.0	31.4

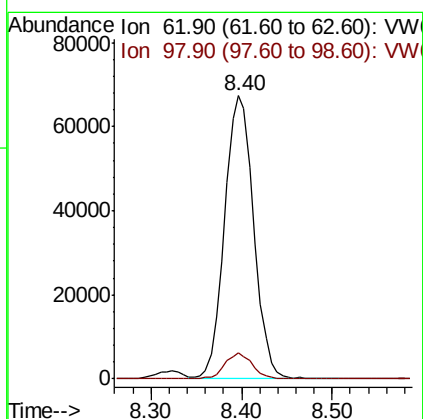
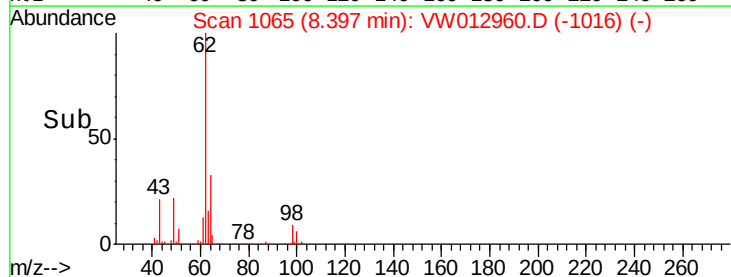
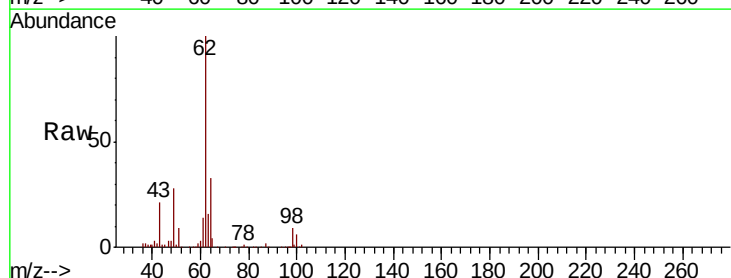
Manual Integrations
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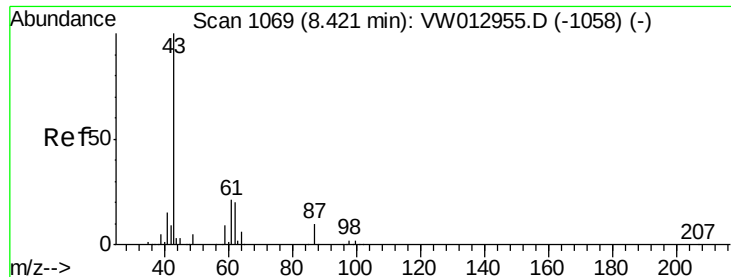
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.342 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.147 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

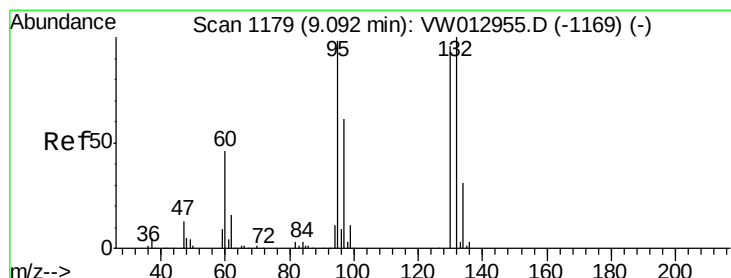
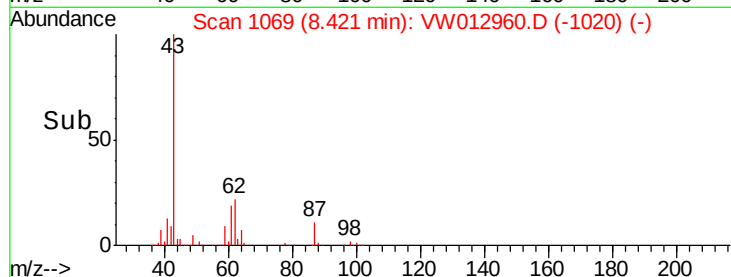
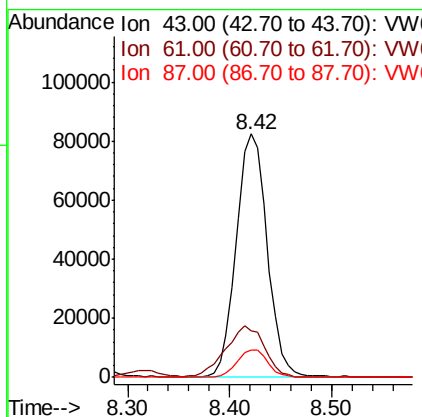
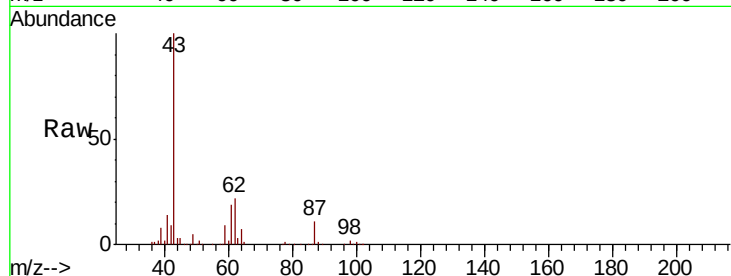
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	172814
Ion	Ratio	Lower	Upper
43	100		
61	26.7	22.7	34.1
87	11.3	9.4	14.2

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#44

Trichloroethene

Concen: 45.447 ug/l

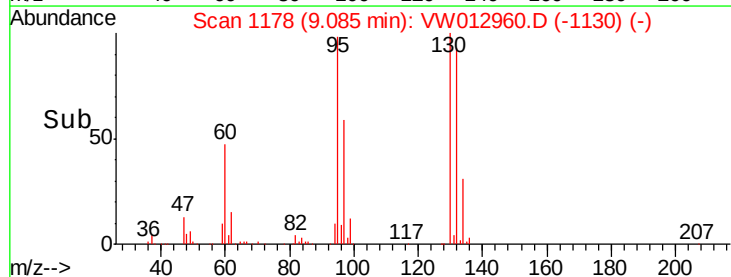
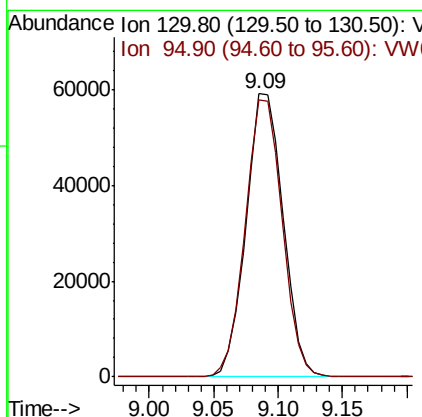
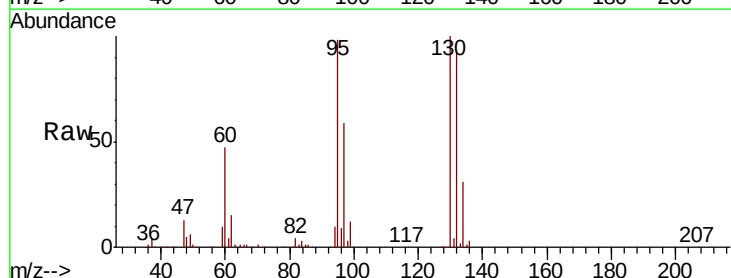
RT: 9.09 min Scan# 1178

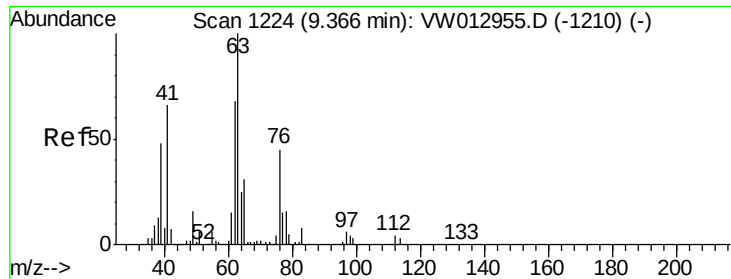
Delta R.T. -0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	130	Resp:	117512
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	204.4





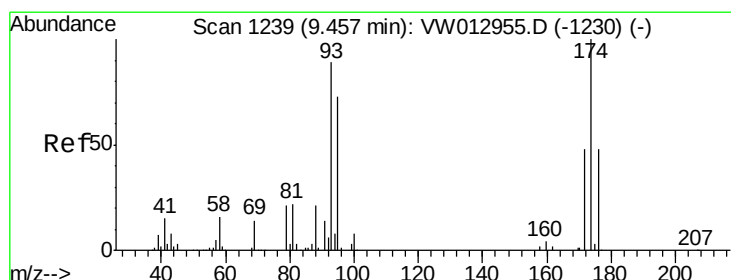
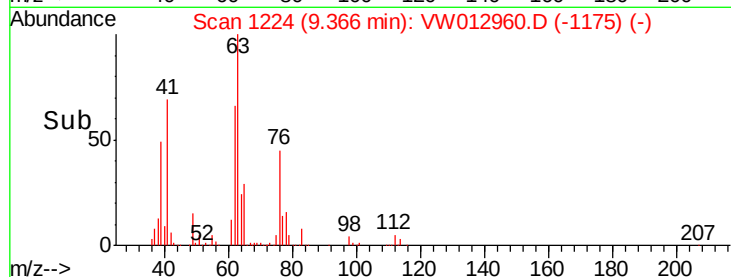
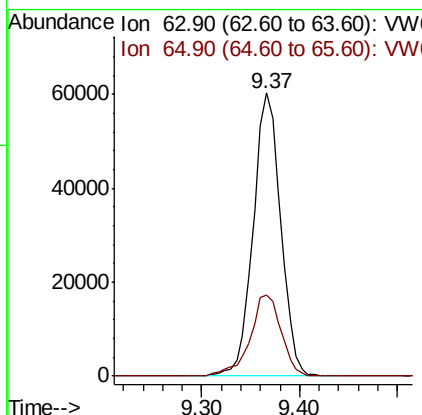
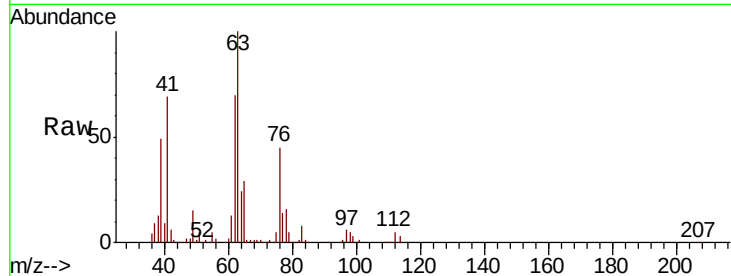
#45
 1,2-Dichloropropane
 Concen: 46.851 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 117505
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 37.0

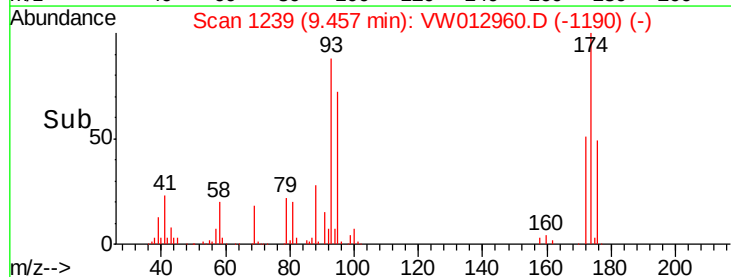
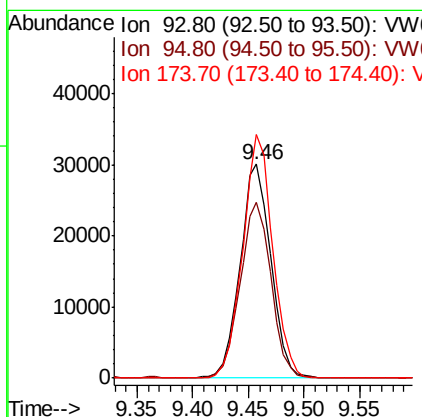
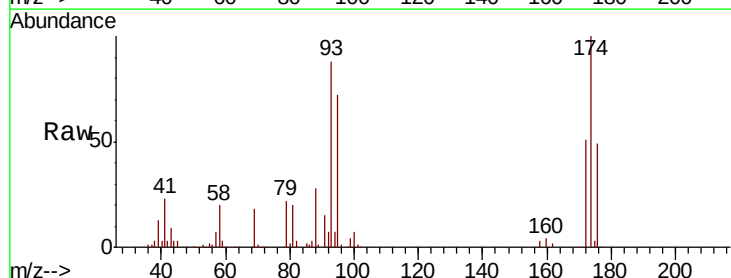
Manual Integrations
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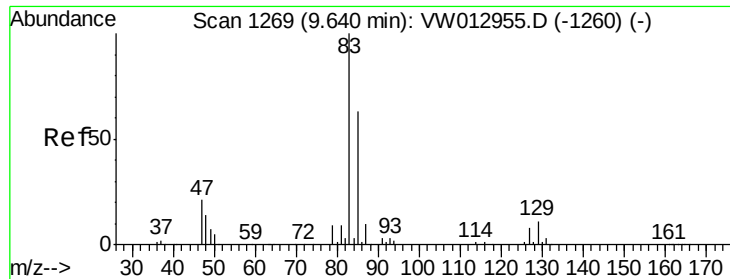
MMDadoda
 9/16/2019 12:43:47 AM



#46
 Dibromomethane
 Concen: 47.961 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 93 Resp: 57630
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.4
 174 111.4 90.5 135.7





#47

Bromodichloromethane

Concen: 48.535 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

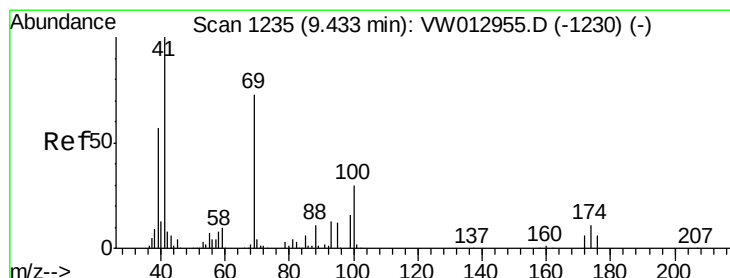
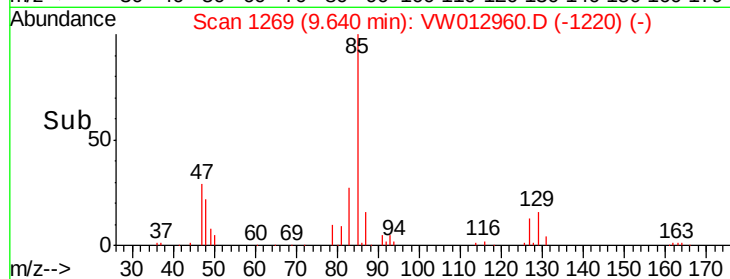
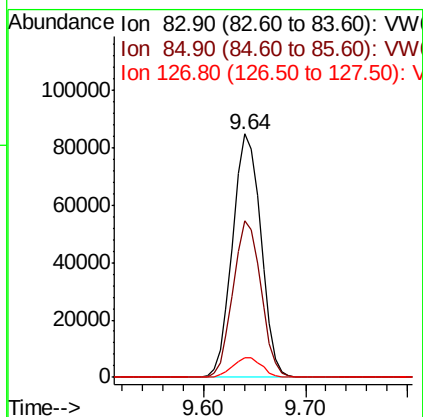
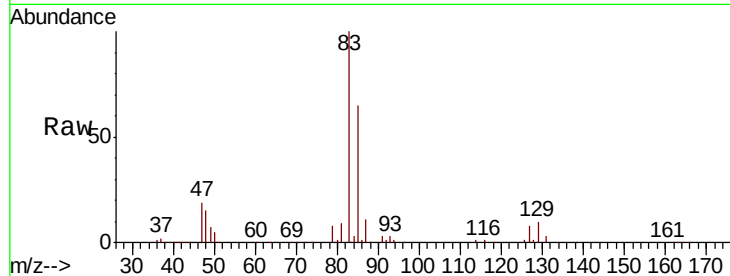
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	163585
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8
127	8.2	6.7	10.1

Manual Integrations
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MMDadoda
9/16/2019 12:43:47 AM



#48

Methyl methacrylate

Concen: 50.983 ug/l

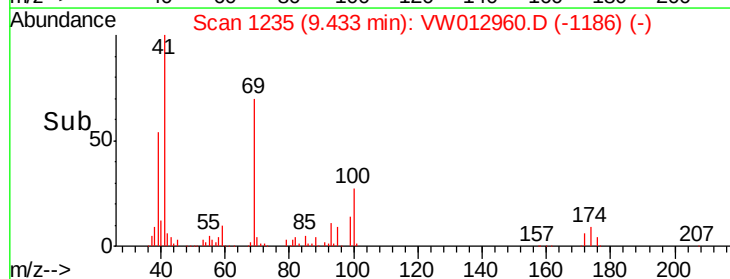
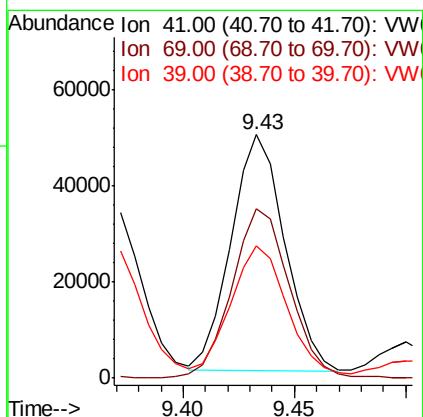
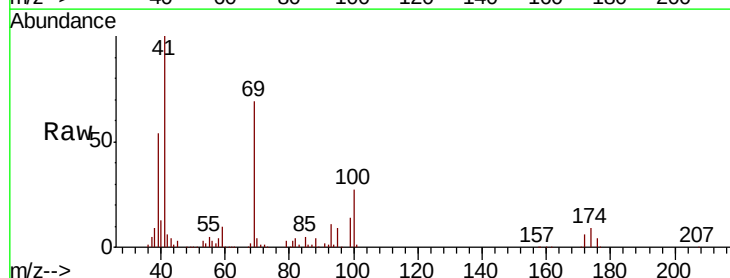
RT: 9.43 min Scan# 1235

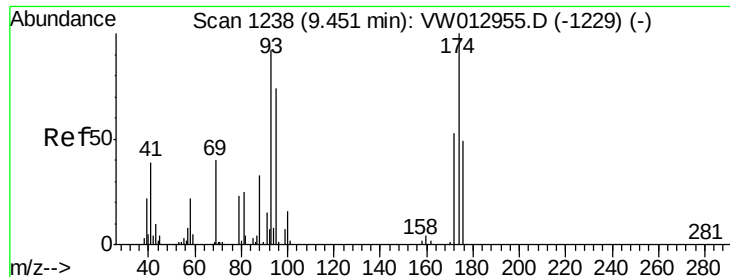
Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	41	Resp:	82456
Ion	Ratio	Lower	Upper
41	100		
69	77.2	62.8	94.2
39	55.5	48.5	72.7





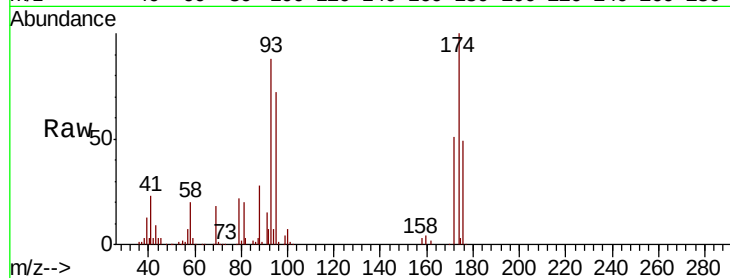
#49
1,4-Dioxane
Concen: 999.488 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	31.3	46.9
58	78.9	60.2	90.2

Manual Integrations
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MMDadoda
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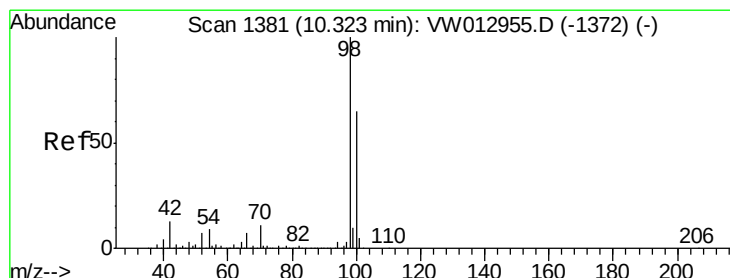
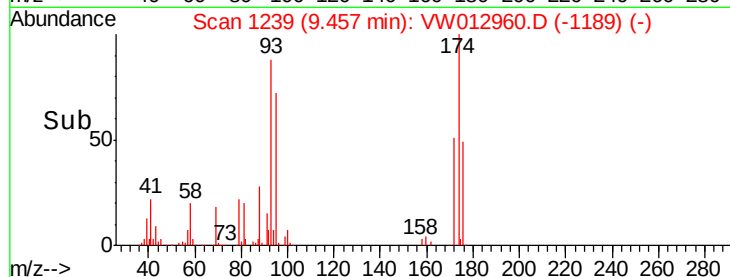
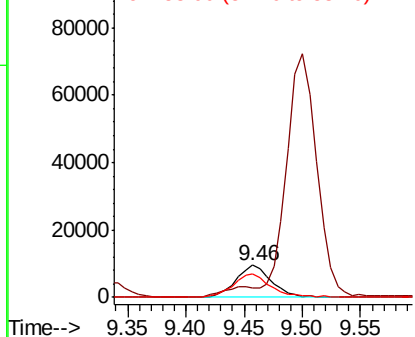


Abundance

Ion 88.00 (87.70 to 88.70): VW

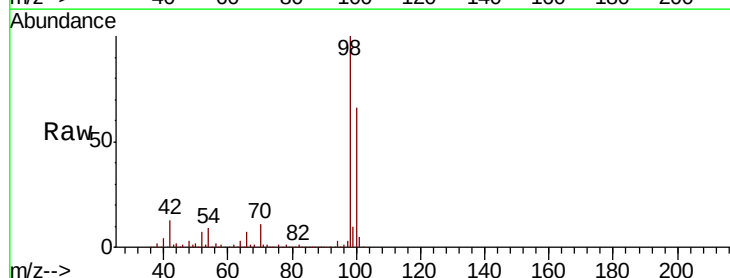
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 48.575 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

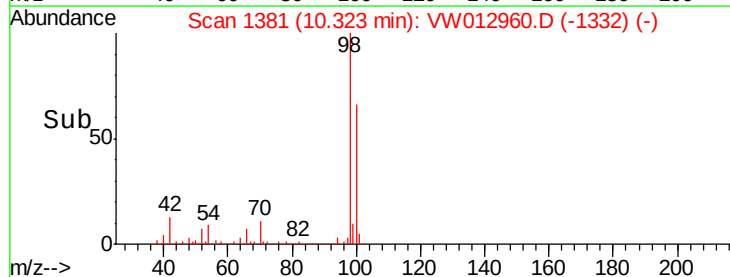
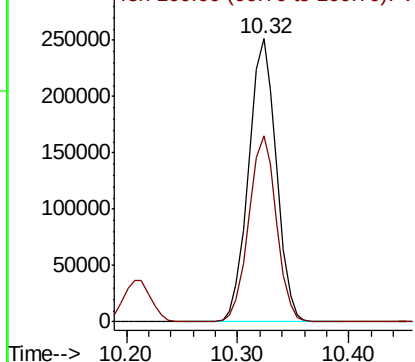
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1

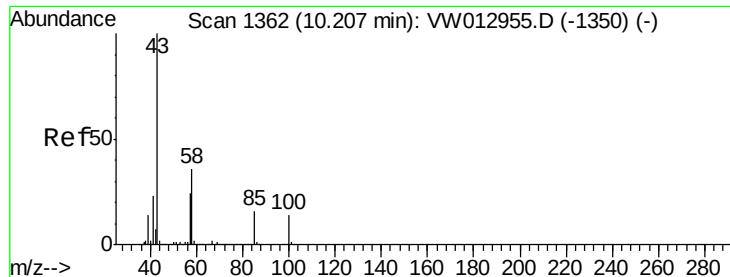


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





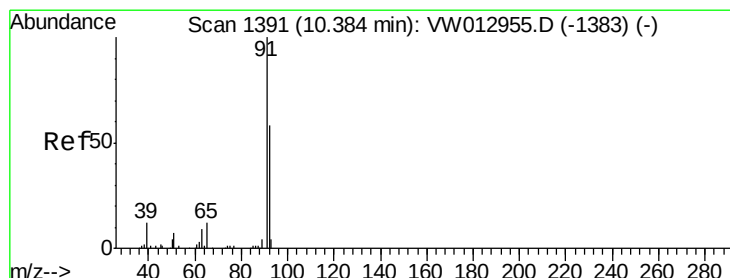
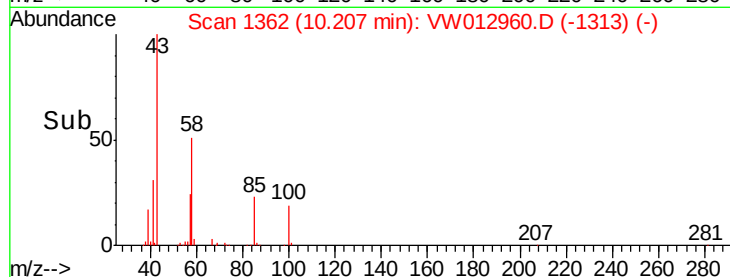
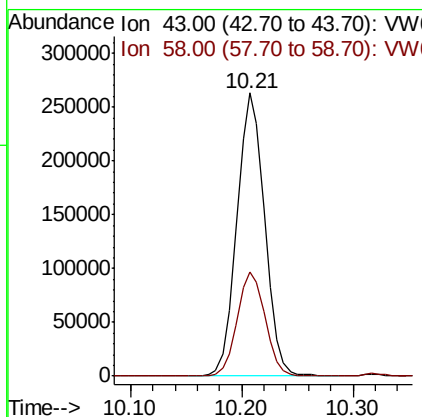
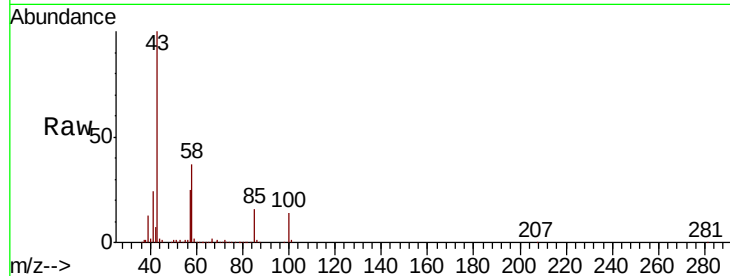
#51
 4-Methyl-2-Pentanone
 Concen: 253.597 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 451192
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.5 44.3

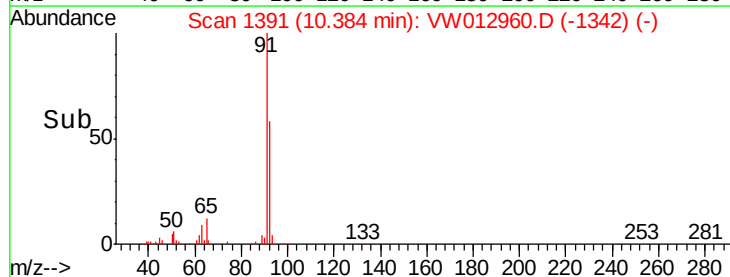
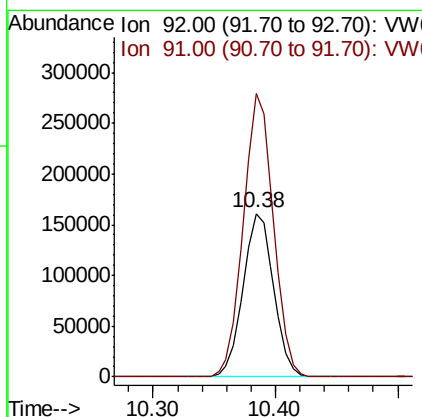
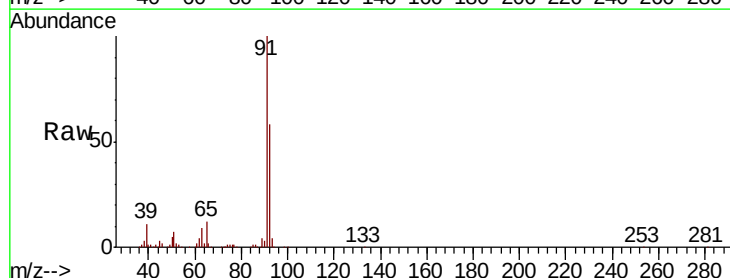
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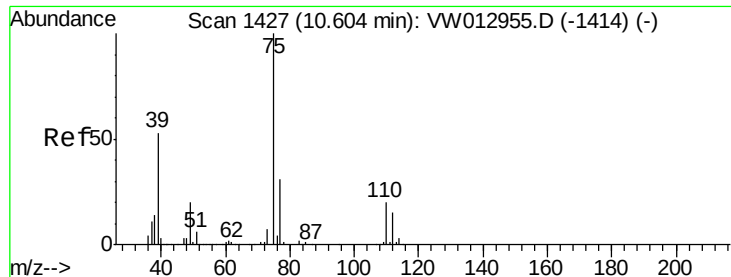
MMDadoda
 9/16/2019 12:43:47 AM



#52
 Toluene
 Concen: 46.628 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 92 Resp: 279696
 Ion Ratio Lower Upper
 92 100
 91 170.9 137.5 206.3





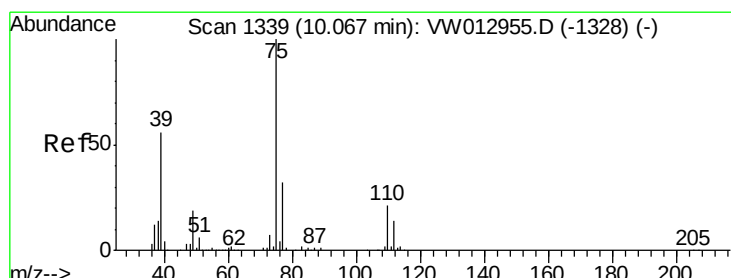
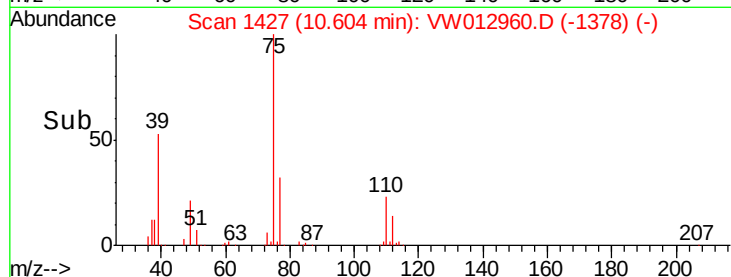
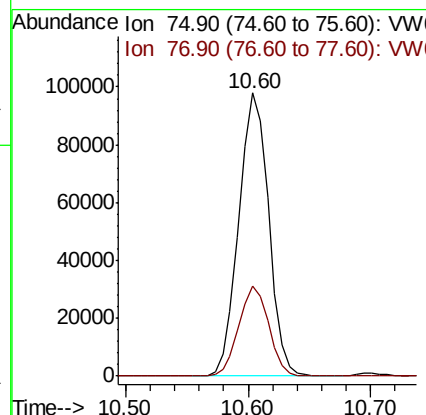
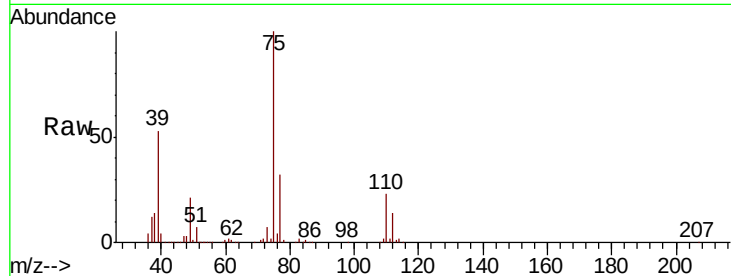
#53
t-1,3-Dichloropropene
Concen: 48.815 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 165472
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

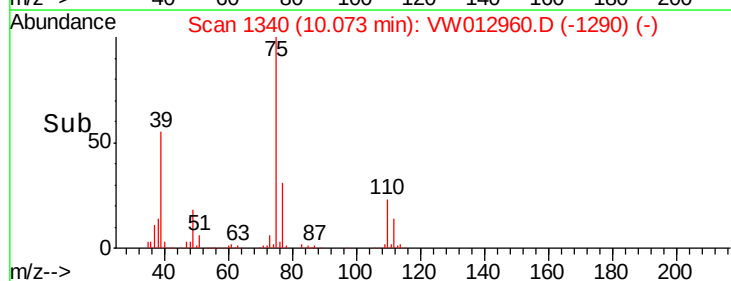
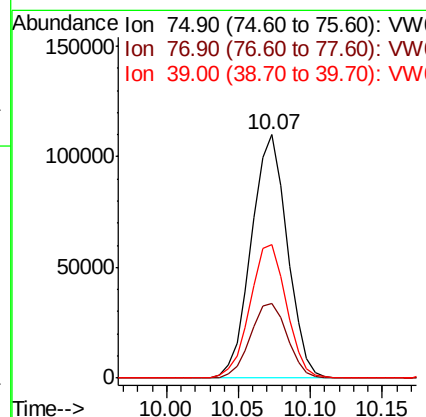
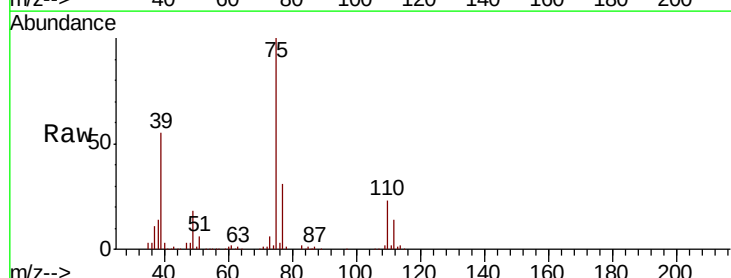
Manual Integrations
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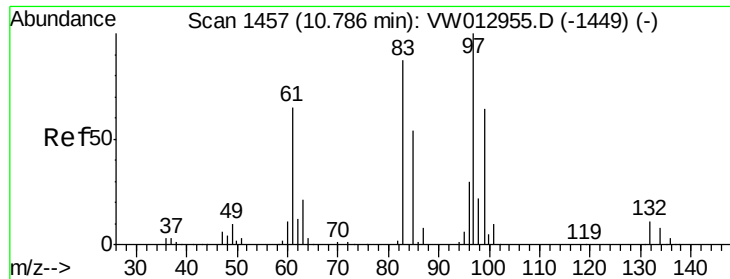
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.998 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 75 Resp: 190041
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 55.0 45.0 67.6





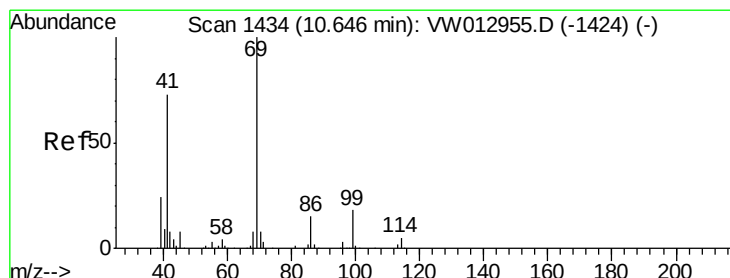
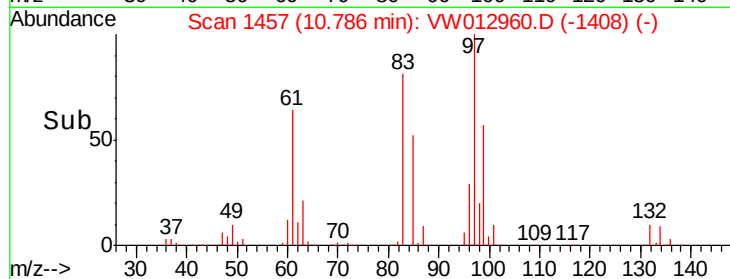
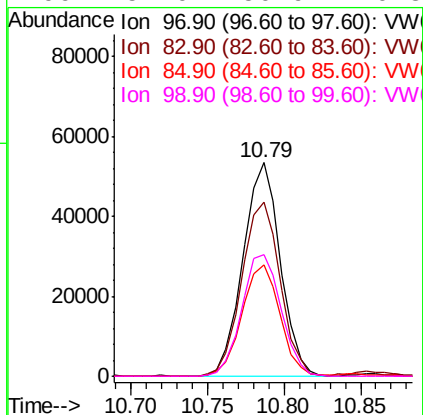
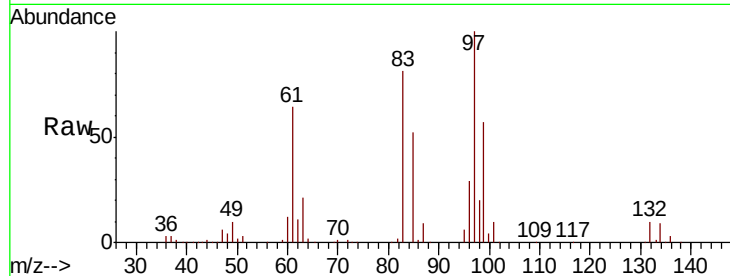
#55
 1,1,2-Trichloroethane
 Concen: 49.250 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.4	104.0
85	52.2	43.3	64.9
99	57.0	50.9	76.3

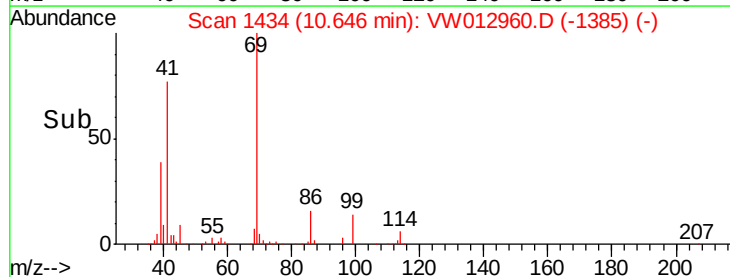
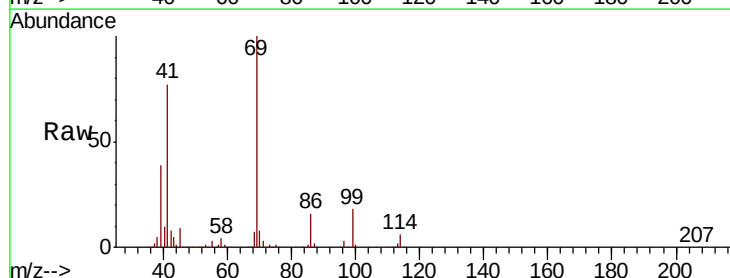
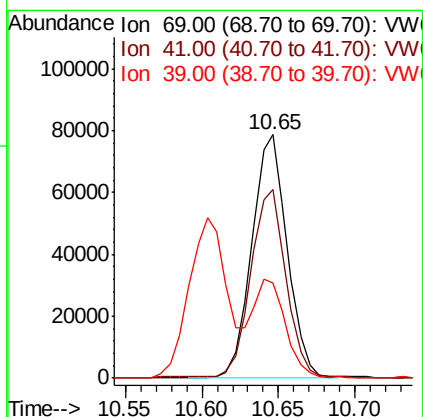
Manual Integrations
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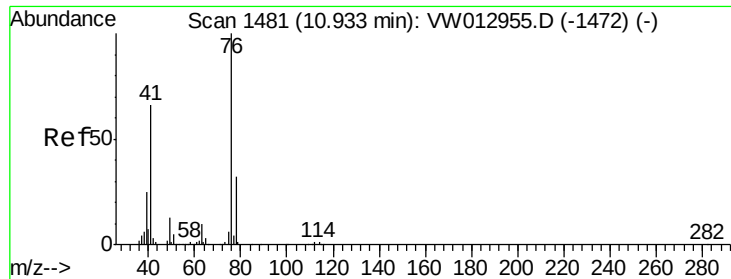
MMDadoda
 9/16/2019 12:43:47 AM



#56
 Ethyl methacrylate
 Concen: 51.267 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.6	60.8	91.2
39	36.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 47.802 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 155221

Ion Ratio Lower Upper

76 100

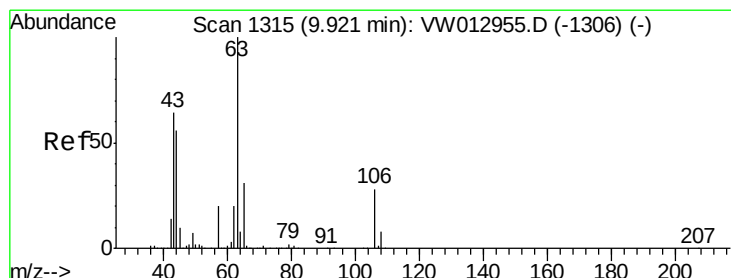
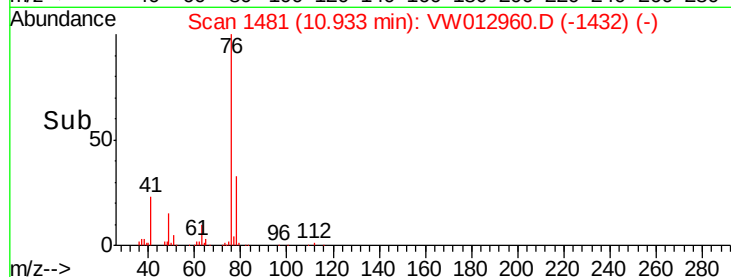
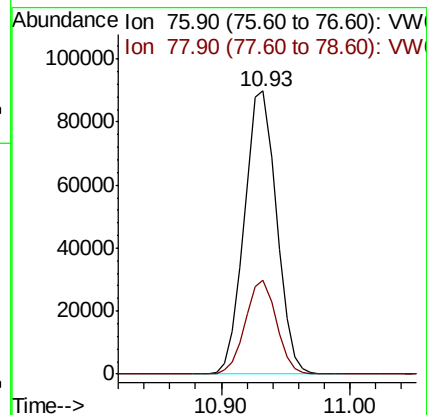
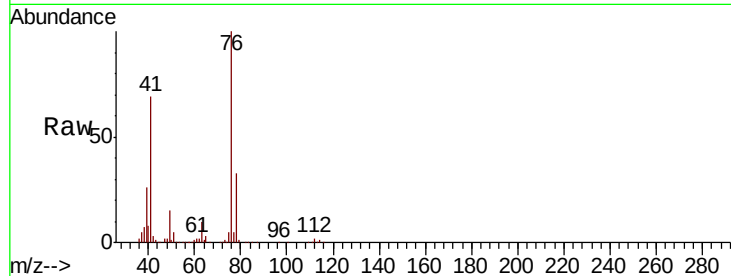
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

9/16/2019 12:43:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.235 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012960.D

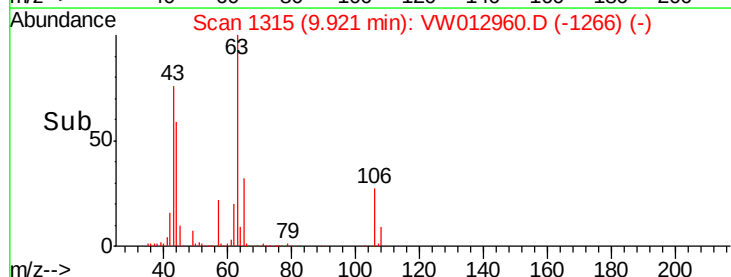
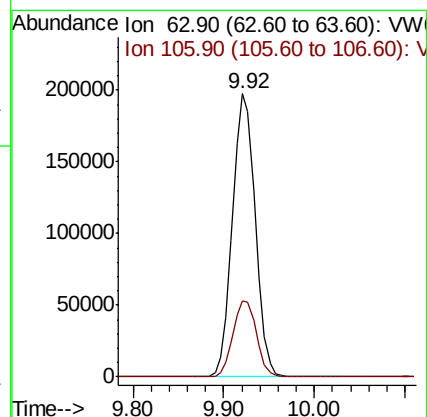
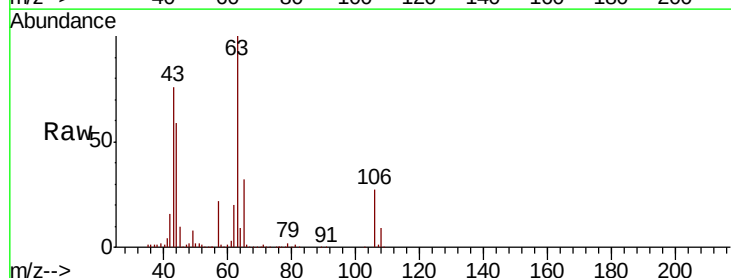
Acq: 13 Sep 2019 18:22

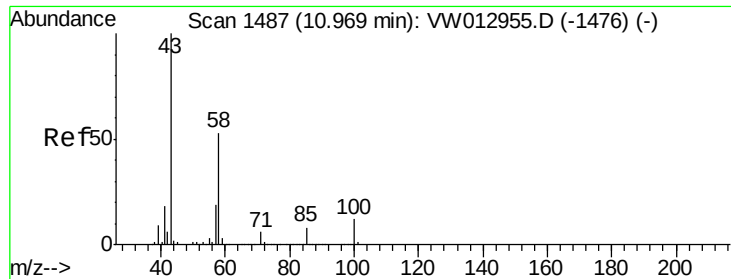
Tgt Ion: 63 Resp: 343957

Ion Ratio Lower Upper

63 100

106 27.7 22.2 33.2





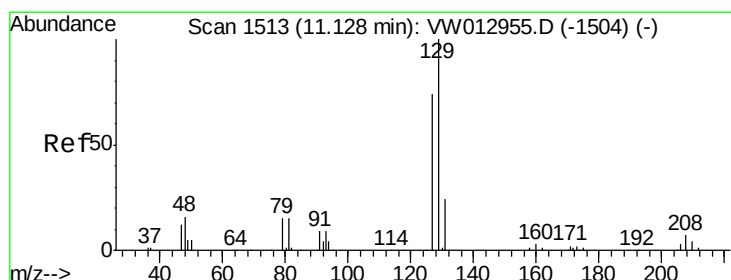
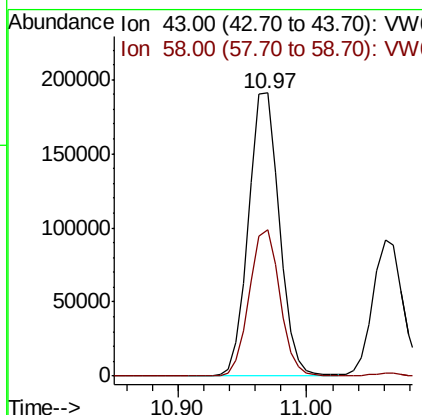
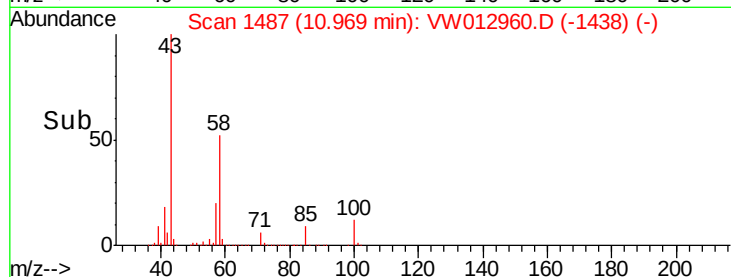
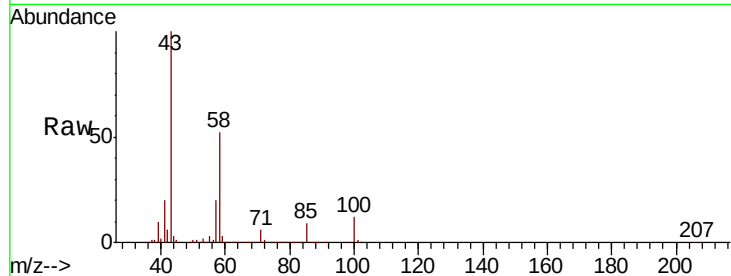
#59
2-Hexanone
Concen: 254.901 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 315786
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

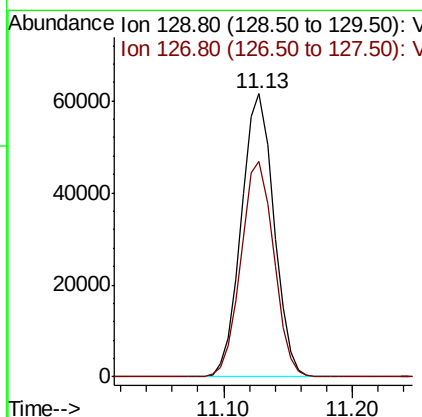
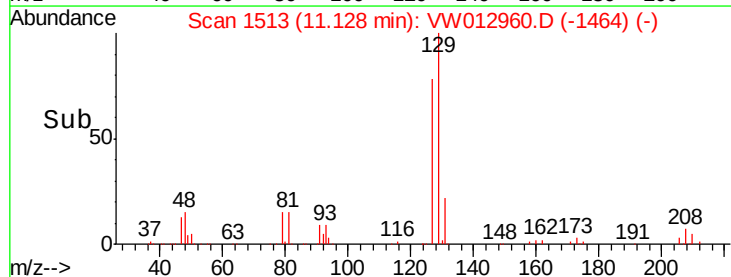
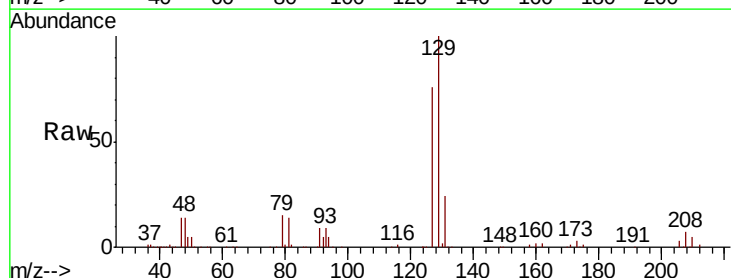
Manual Integrations
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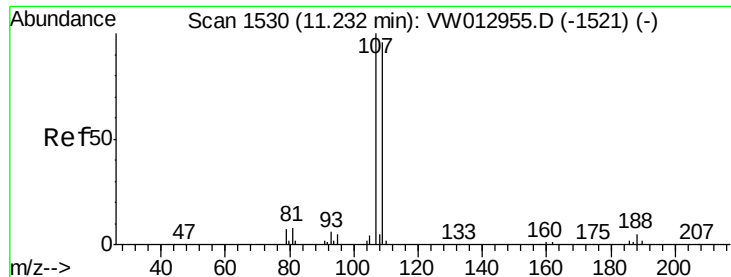
MMDadoda
9/16/2019 12:43:47 AM



#60
Dibromochloromethane
Concen: 48.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 129 Resp: 107670
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.2





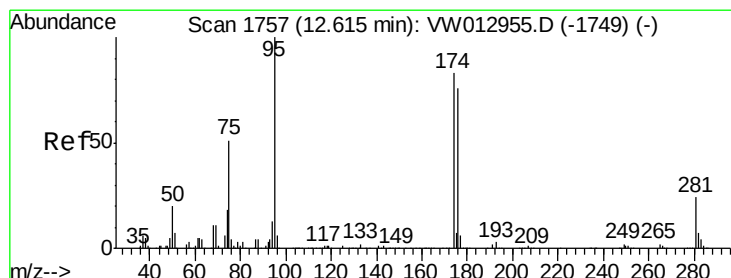
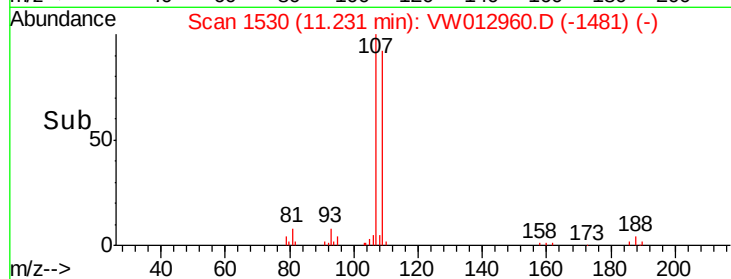
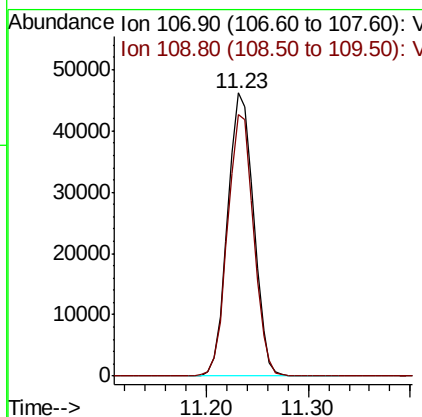
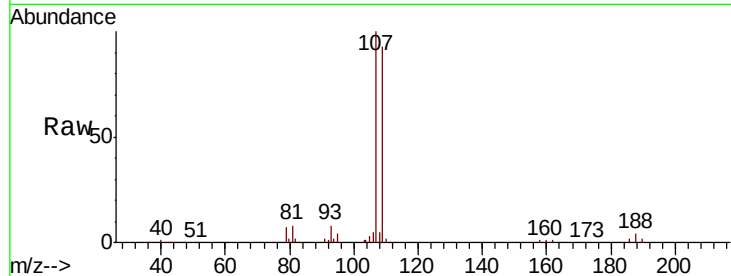
#61
 1,2-Dibromoethane
 Concen: 48.732 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.0	112.6

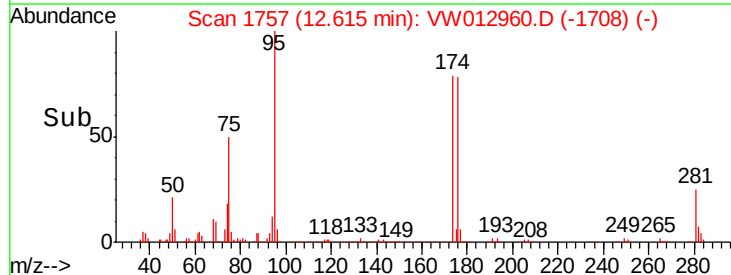
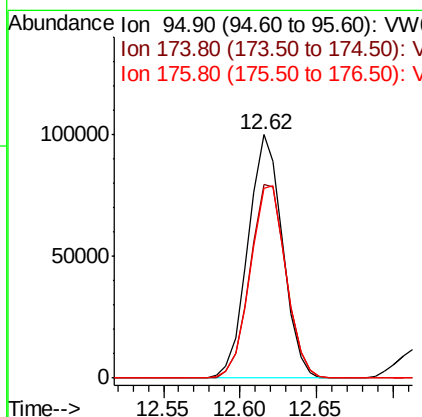
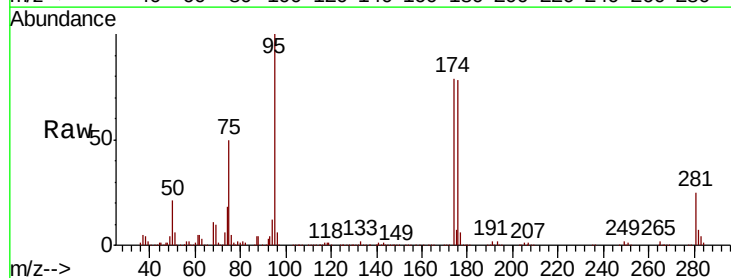
Manual Integrations
 APPROVED

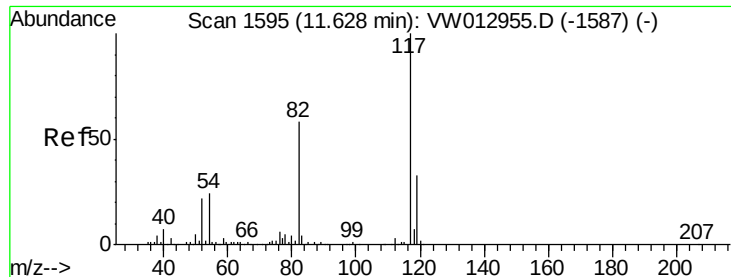
MMDadoda
 9/16/2019 12:43:47 AM



#62
 4-Bromofluorobenzene
 Concen: 48.652 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	170.4
176	82.2	0.0	164.6





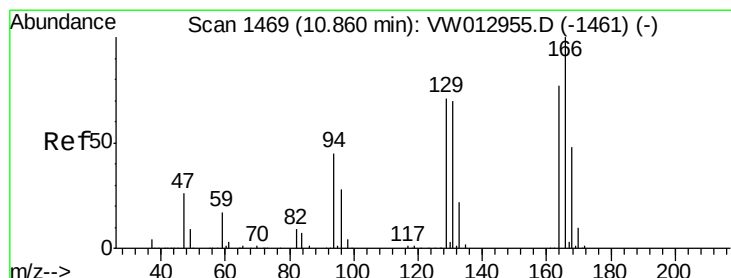
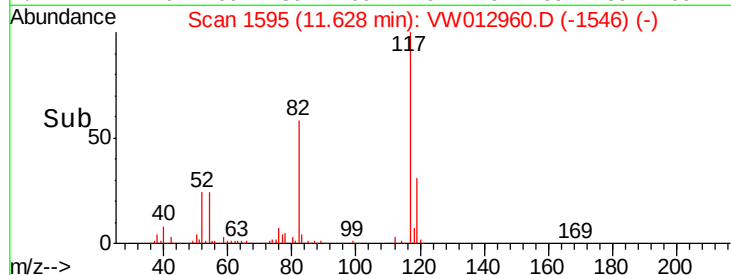
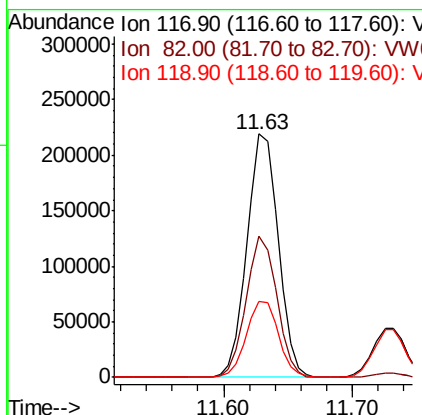
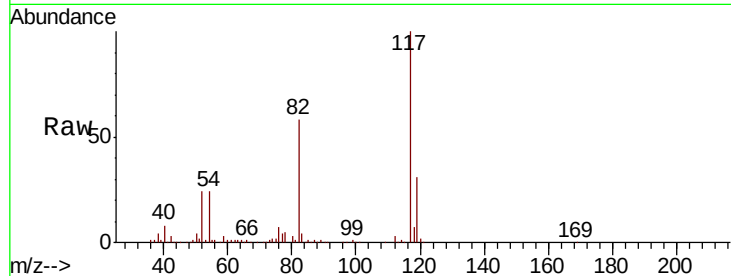
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	31.0	26.2	39.4

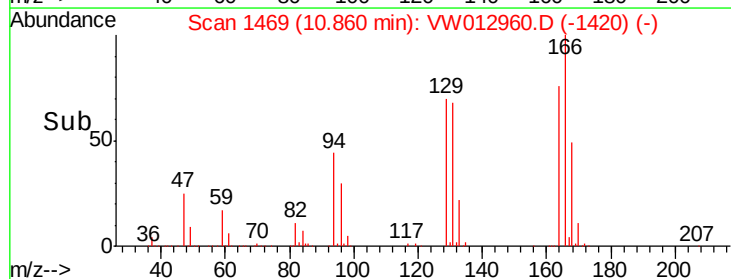
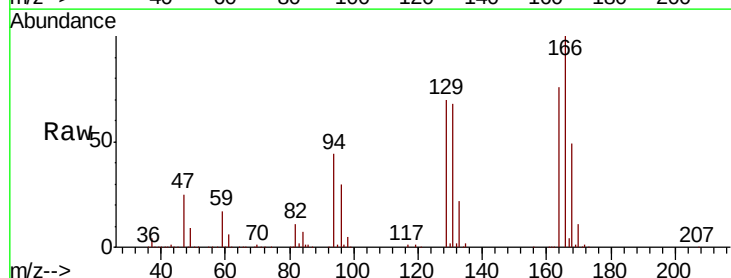
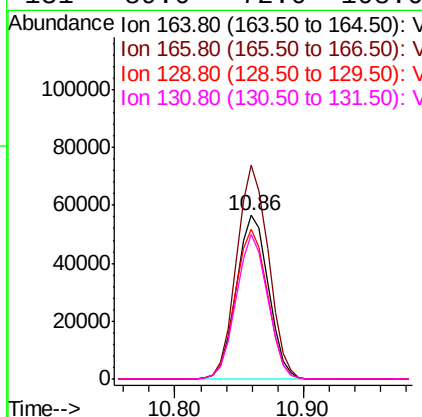
Manual Integrations
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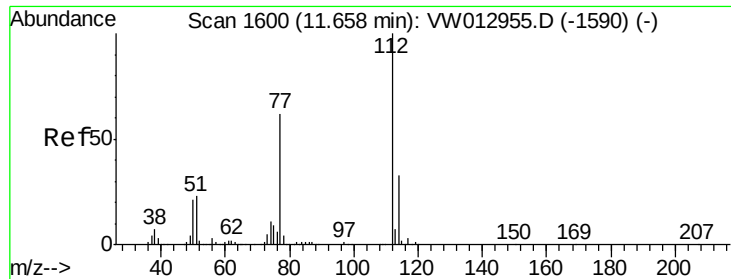
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#64
Tetrachloroethene
Concen: 44.730 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.3	154.9
129	91.5	73.8	110.8
131	89.0	72.0	108.0





#65

Chlorobenzene

Concen: 46.572 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 304839

Ion Ratio Lower Upper

112 100

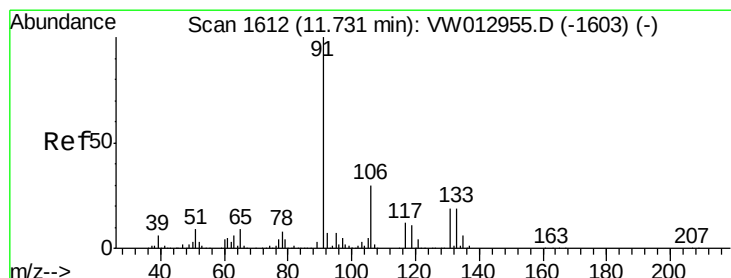
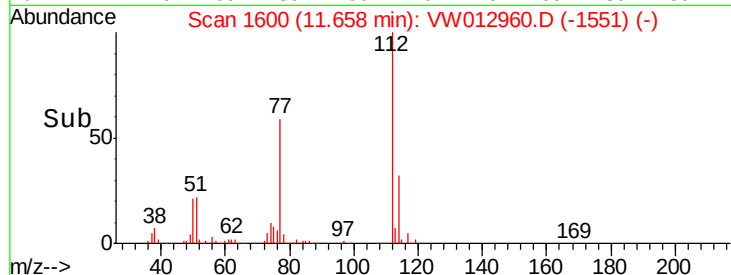
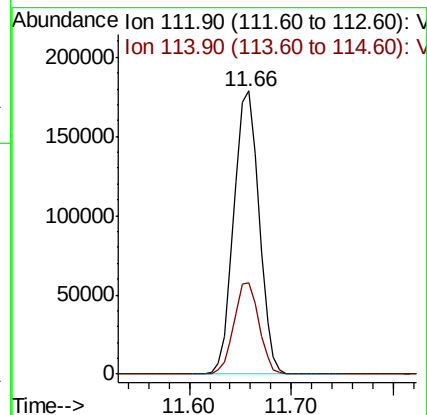
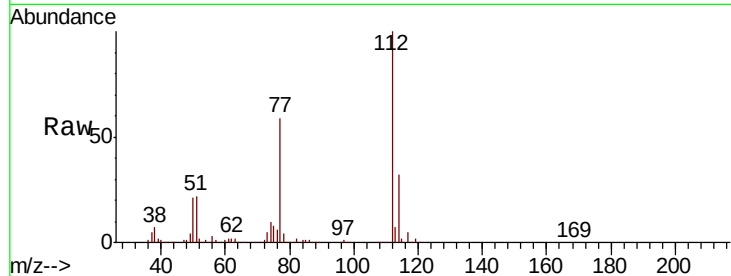
114 32.4 26.4 39.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.709 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

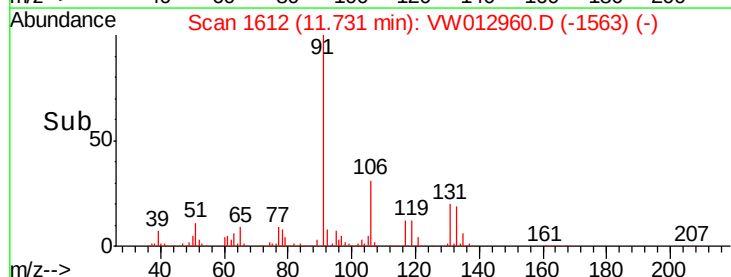
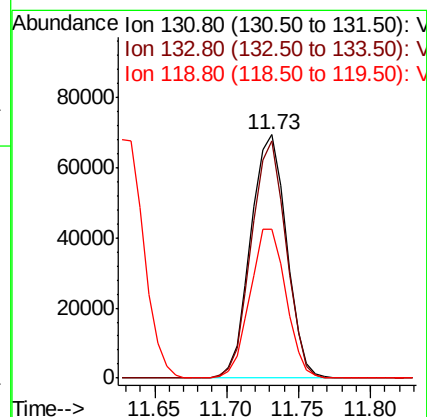
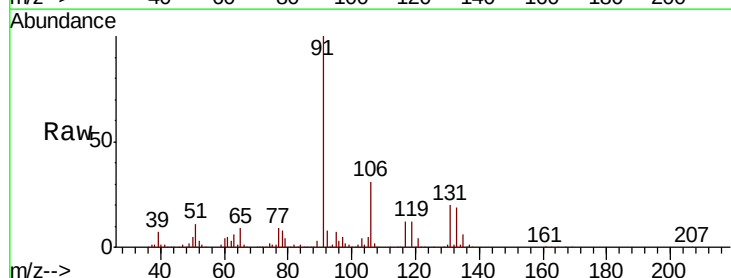
Tgt Ion:131 Resp: 119672

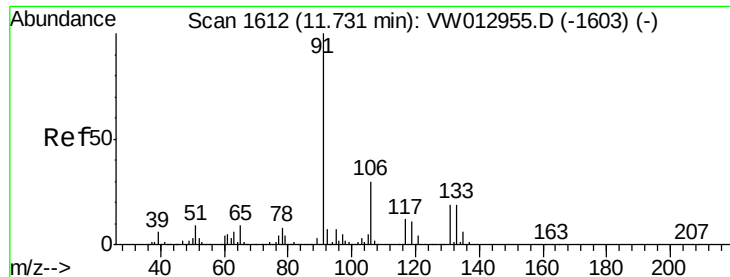
Ion Ratio Lower Upper

131 100

133 94.4 47.9 143.8

119 61.6 30.9 92.7





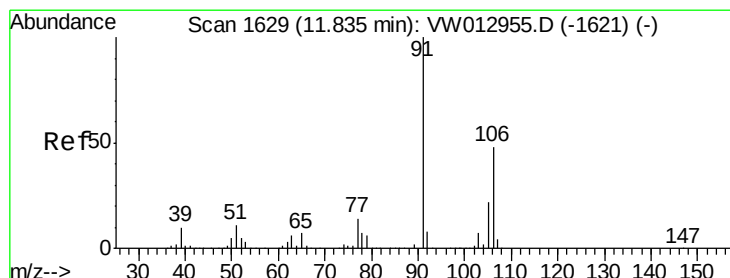
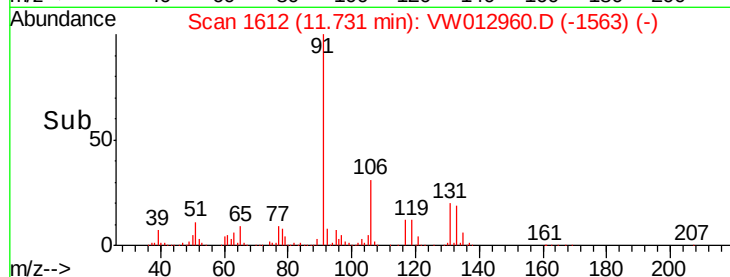
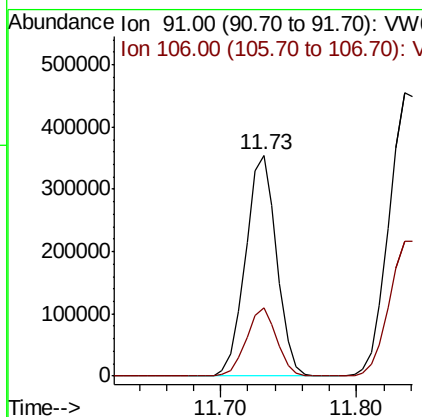
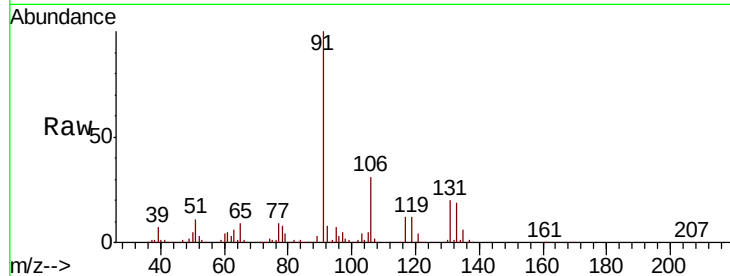
#67
Ethyl Benzene
Concen: 46.774 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 565435
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5

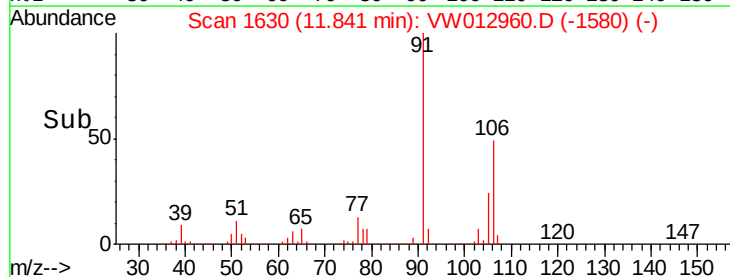
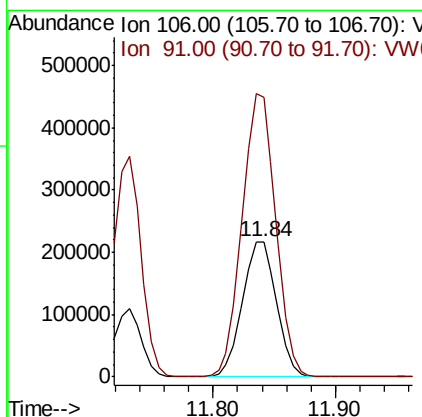
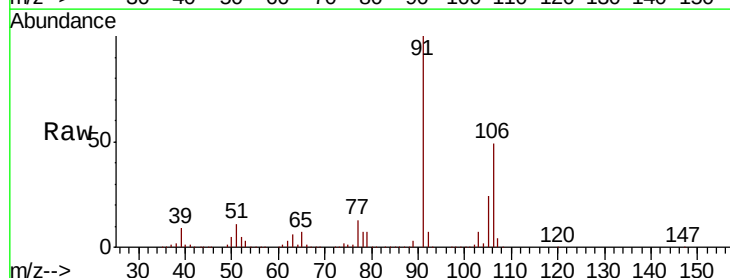
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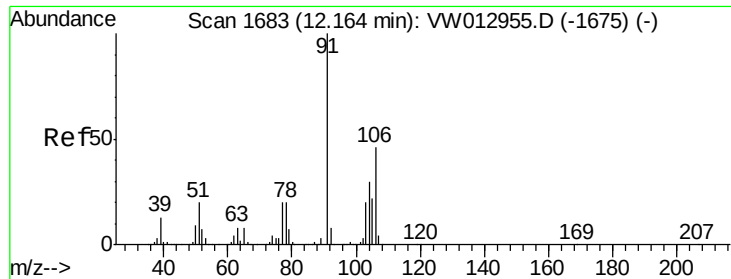
MMDadoda
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#68
m/p-Xylenes
Concen: 94.601 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 106 Resp: 417772
Ion Ratio Lower Upper
106 100
91 207.7 165.8 248.8





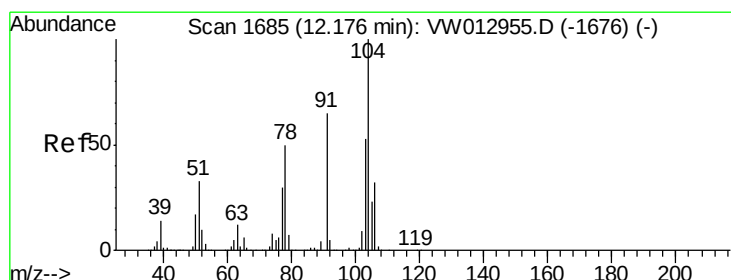
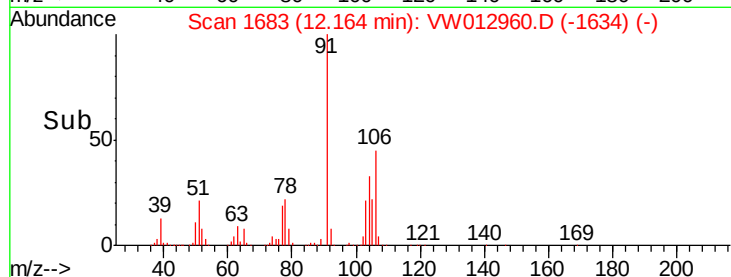
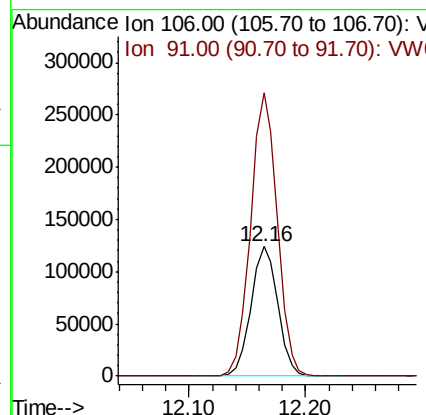
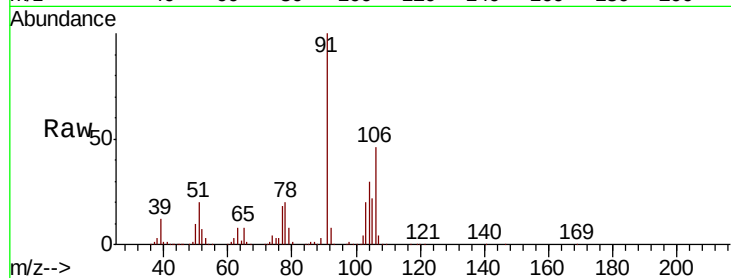
#69
o-Xylene
Concen: 48.017 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 198804
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0

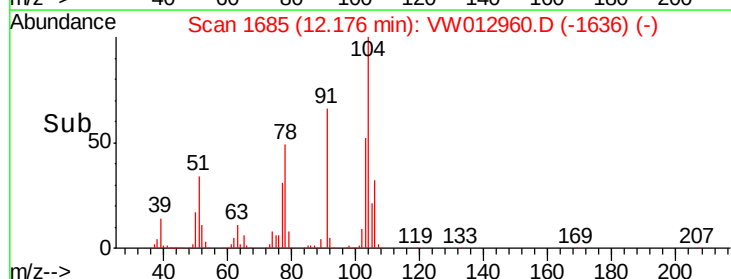
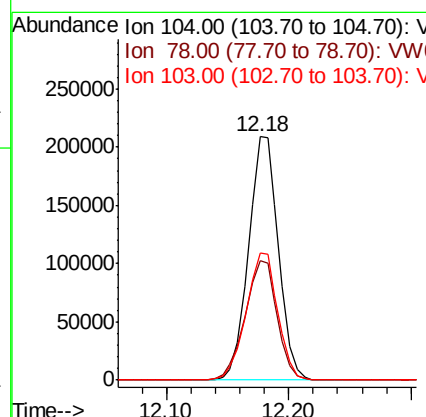
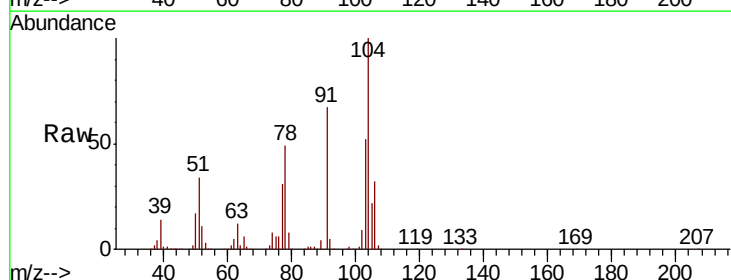
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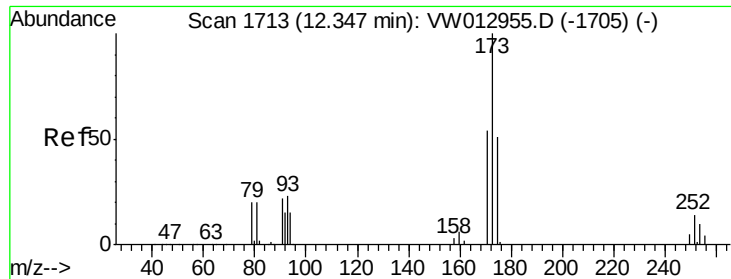
MMDadoda
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#70
Styrene
Concen: 48.022 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion:104 Resp: 353688
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.5 44.2 66.4





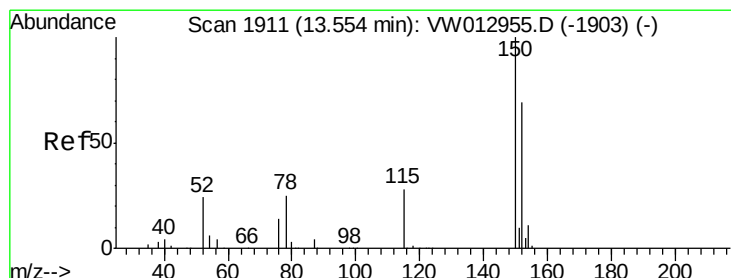
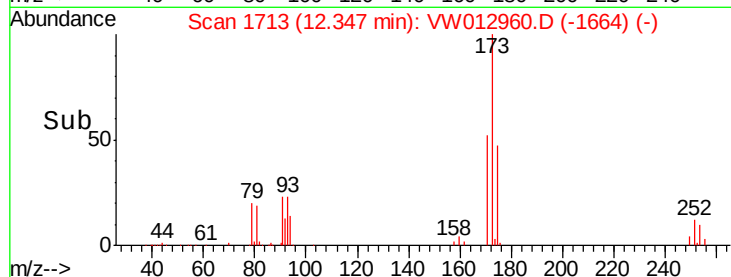
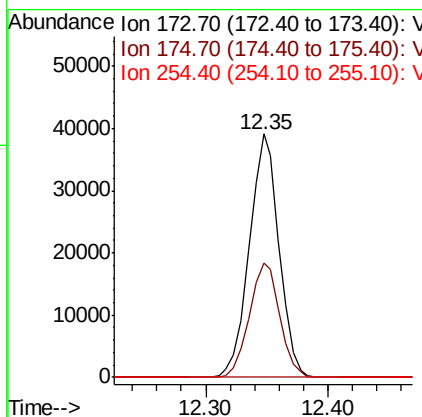
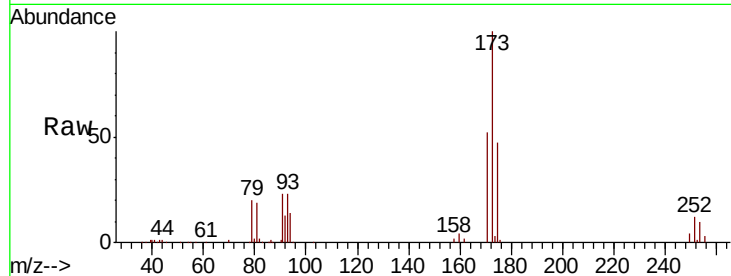
#71
Bromoform
Concen: 49.954 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.1	0.1	0.1#

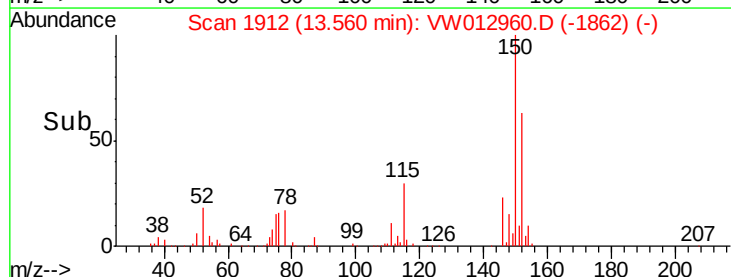
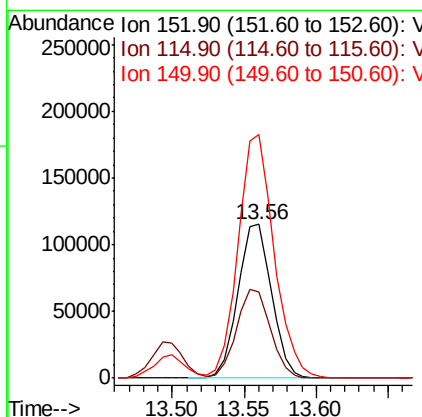
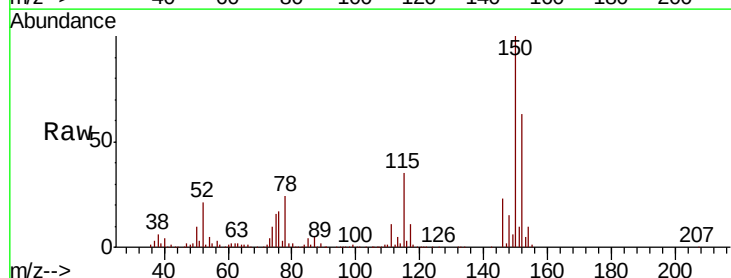
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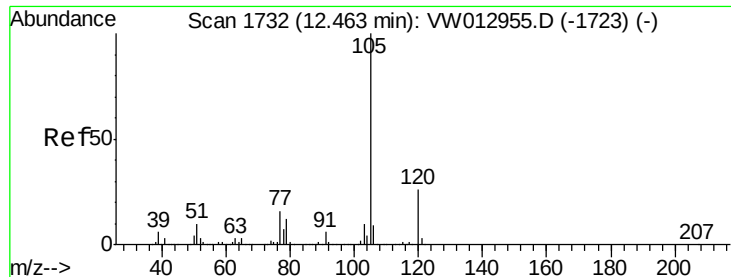
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.8	86.4
150	168.9	0.0	340.2





#73

Isopropylbenzene

Concen: 46.544 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 575995

Ion Ratio Lower Upper

105 100

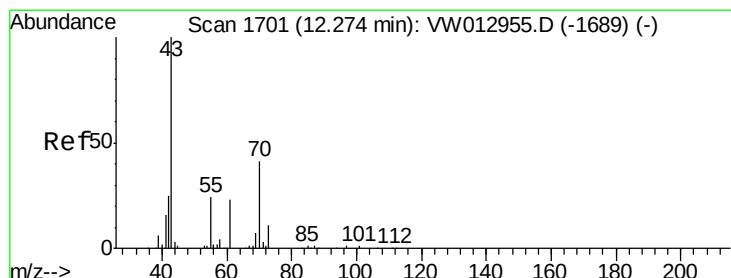
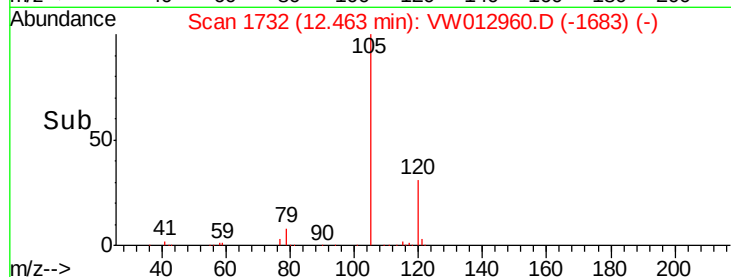
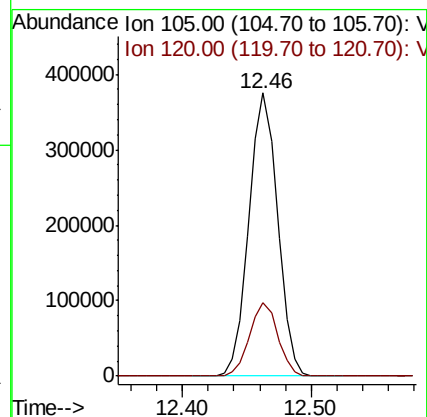
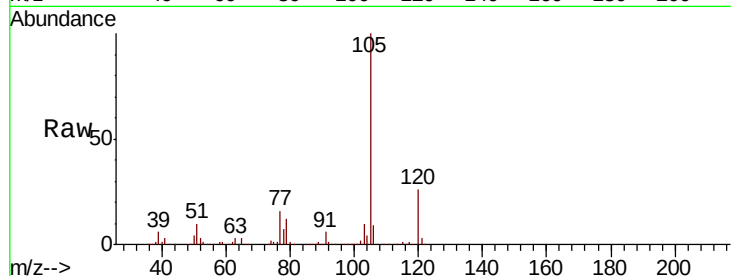
120 25.5 13.0 39.0

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#74

N-ethyl acetate

Concen: 50.957 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion: 43 Resp: 162219

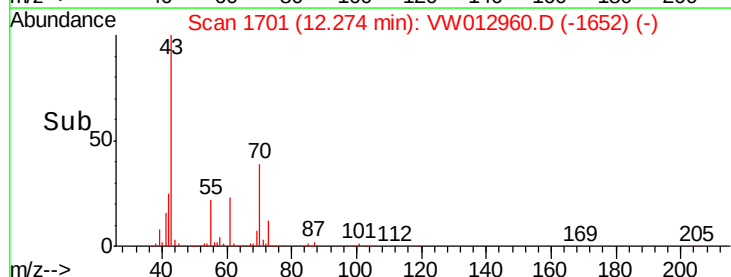
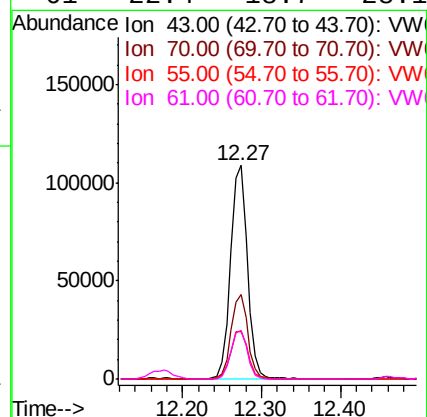
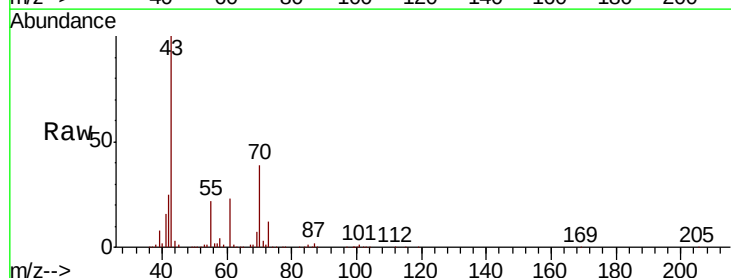
Ion Ratio Lower Upper

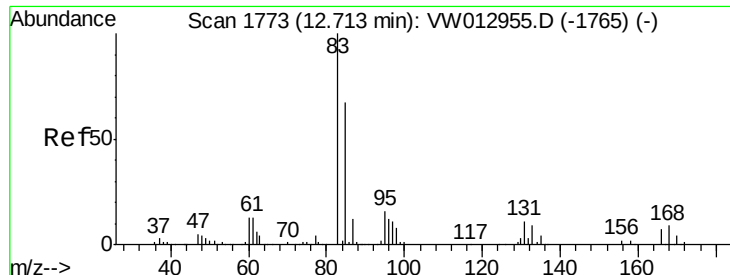
43 100

70 39.2 31.7 47.5

55 23.3 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.322 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 105032

Ion Ratio Lower Upper

83 100

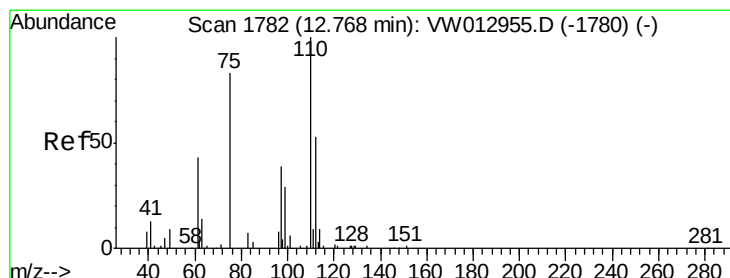
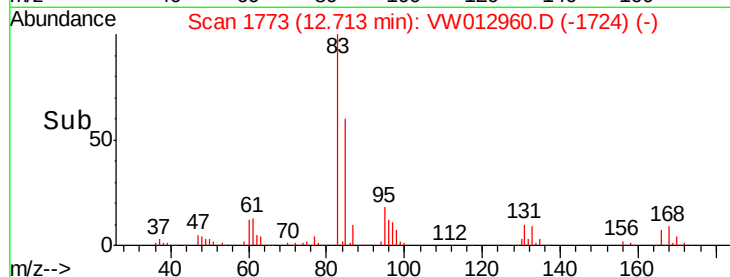
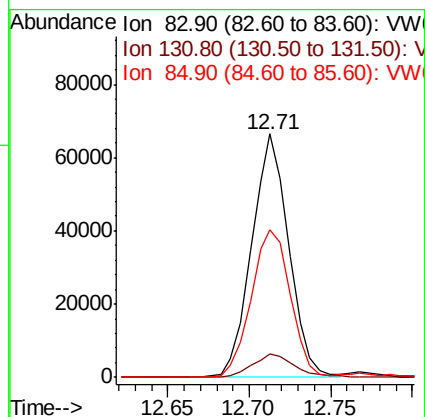
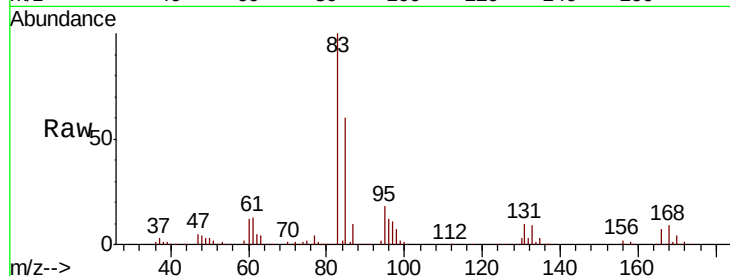
131 10.9 5.7 17.1

85 63.9 31.4 94.3

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#76

1,2,3-Trichloropropane

Concen: 43.354 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012960.D

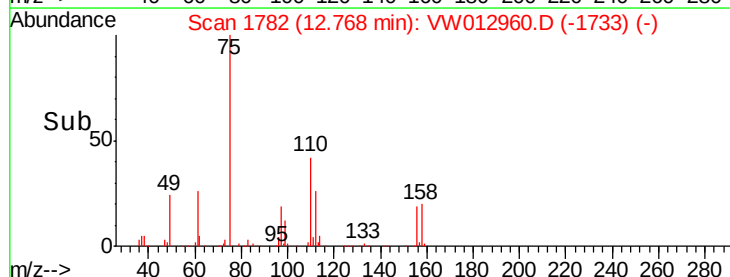
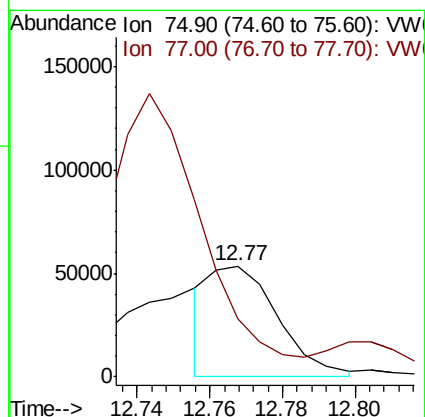
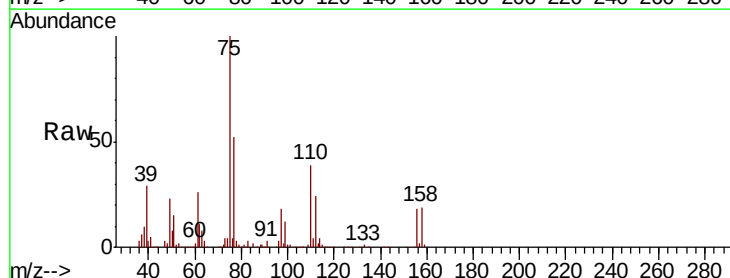
Acq: 13 Sep 2019 18:22

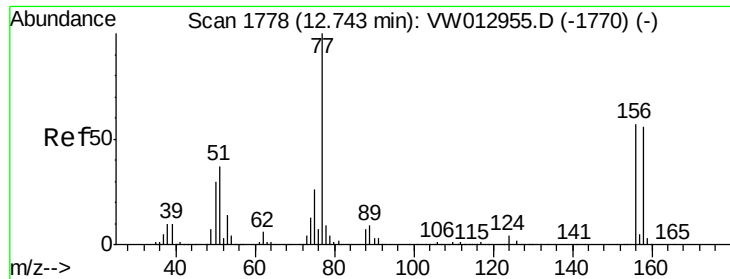
Tgt Ion: 75 Resp: 70901

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.478 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

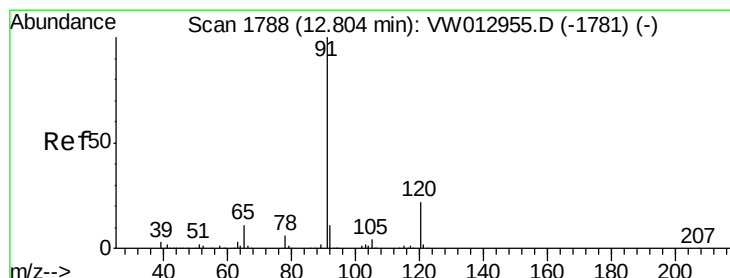
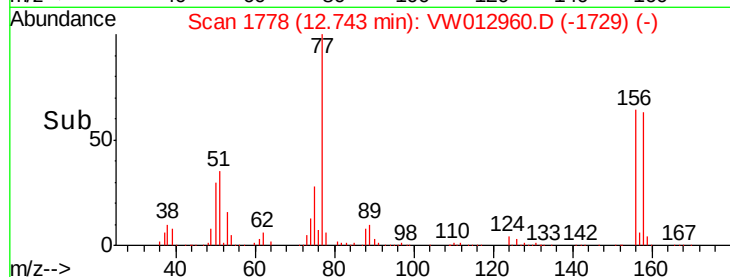
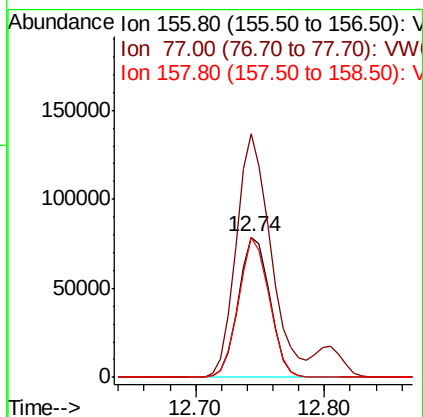
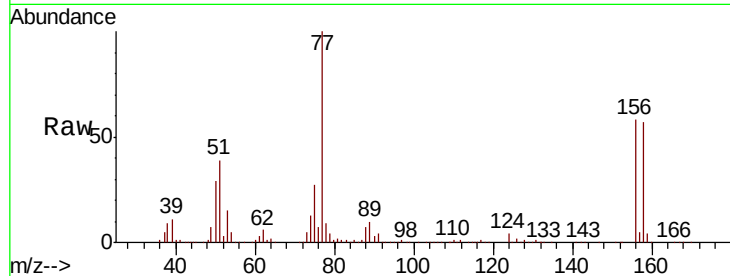
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	132507
Ion Ratio	Lower	Upper	
156	100		
77	192.1	95.2	285.6
158	97.3	49.0	147.2

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#78

n-propylbenzene

Concen: 46.536 ug/l

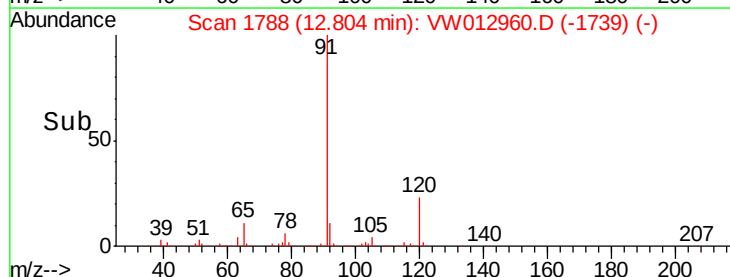
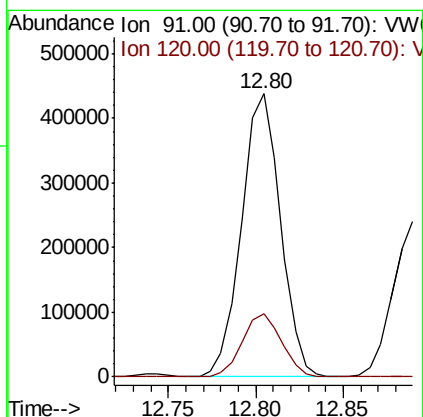
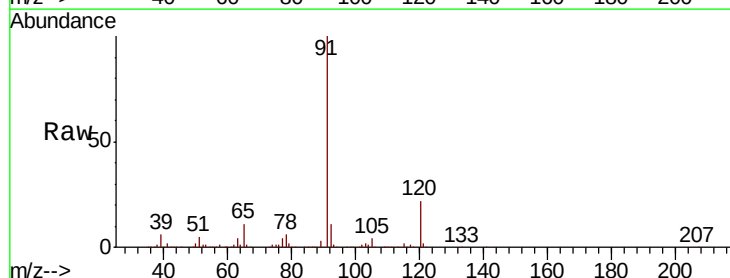
RT: 12.80 min Scan# 1788

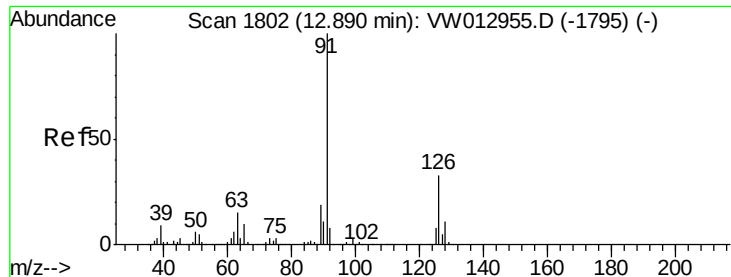
Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:	91	Resp:	677436
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 46.760 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 391302

Ion Ratio Lower Upper

91 100

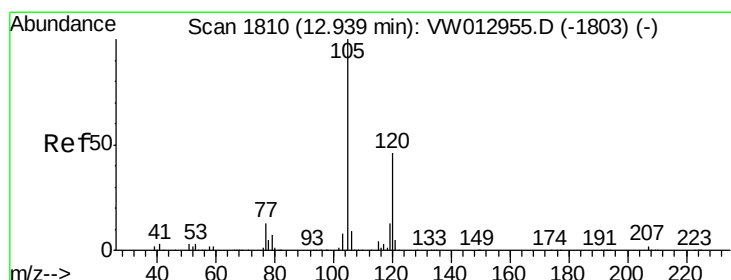
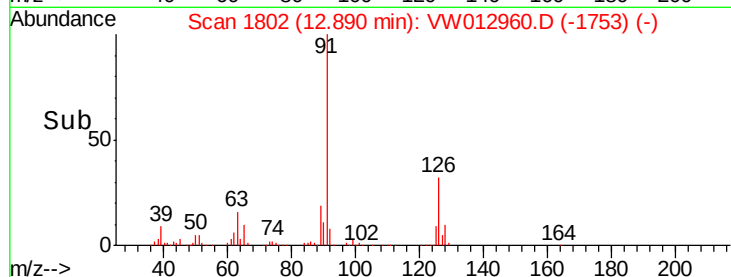
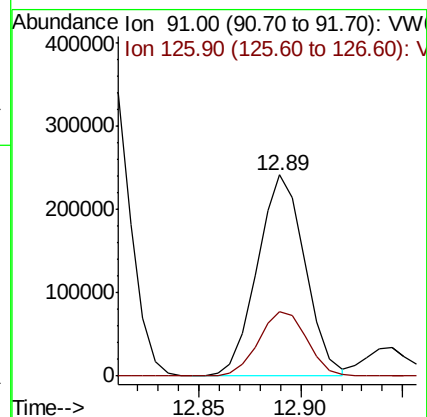
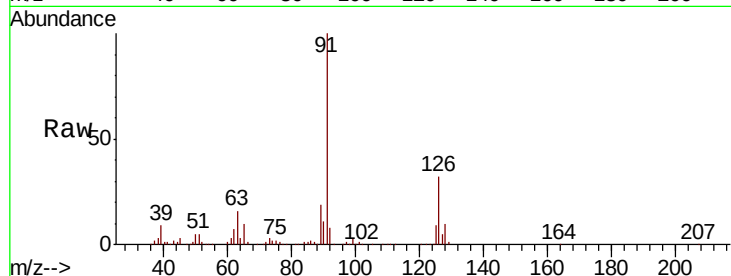
126 32.6 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.963 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012960.D

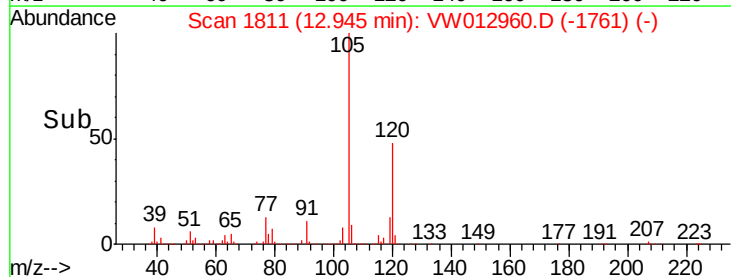
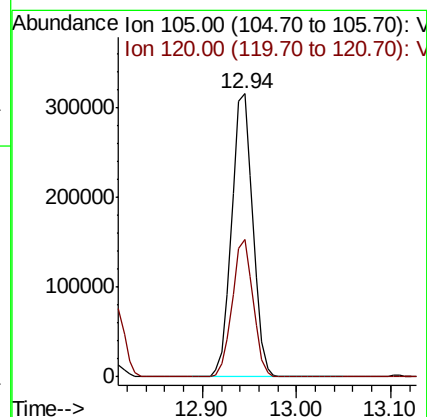
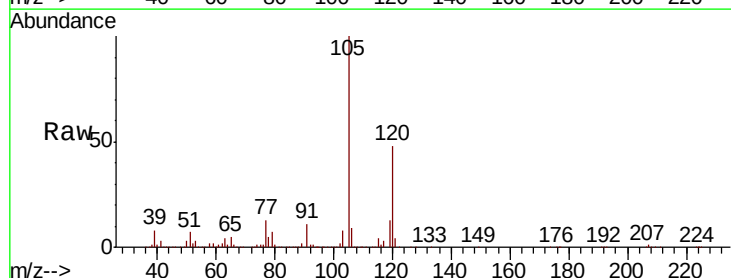
Acq: 13 Sep 2019 18:22

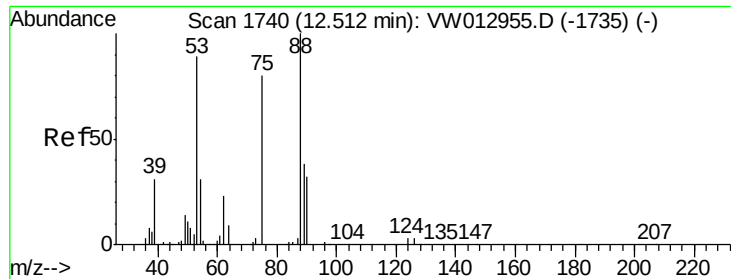
Tgt Ion: 105 Resp: 491678

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6





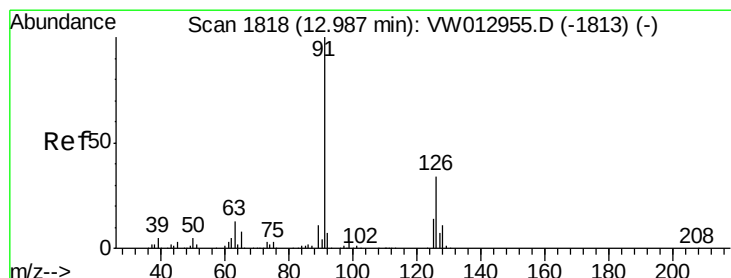
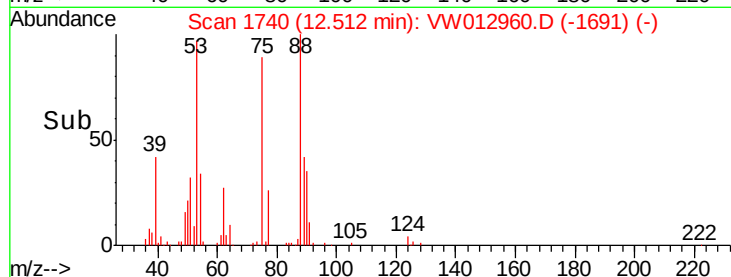
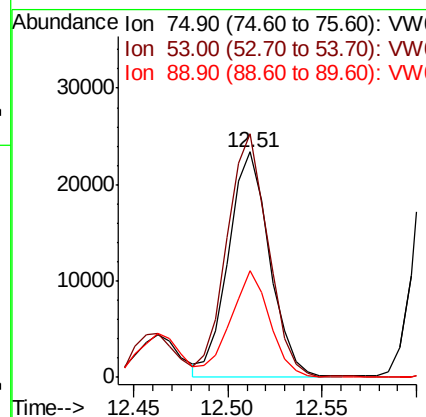
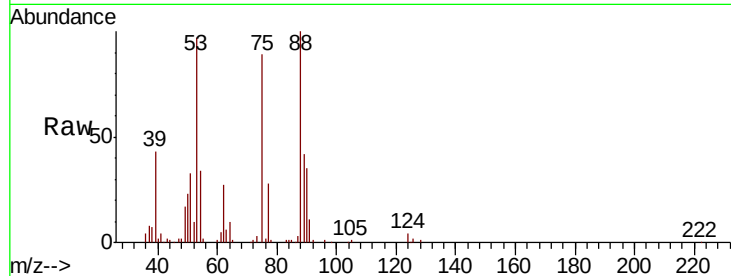
#81
trans-1,4-Dichloro-2-butene
Concen: 49.446 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	107.0	85.6	128.4
89	45.6	37.2	55.8

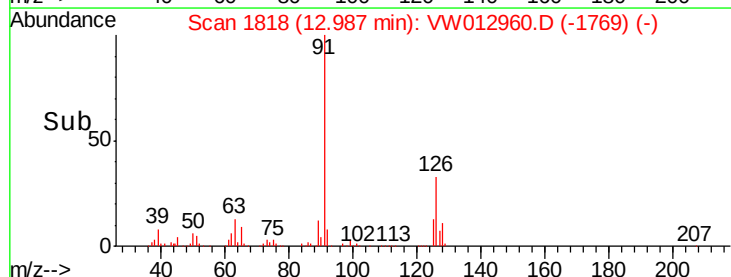
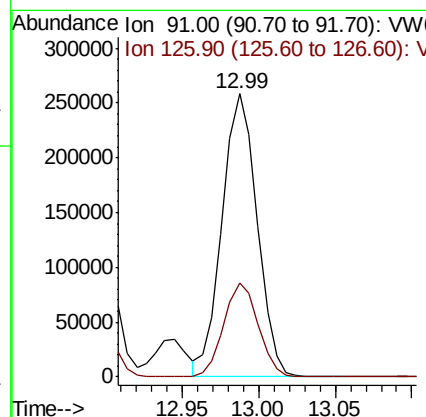
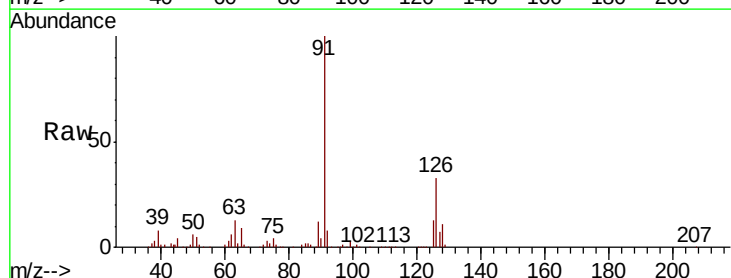
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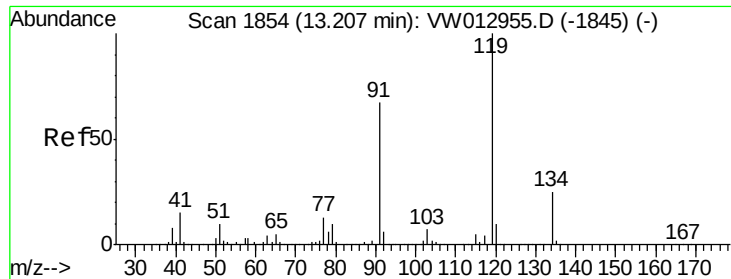
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.397 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3





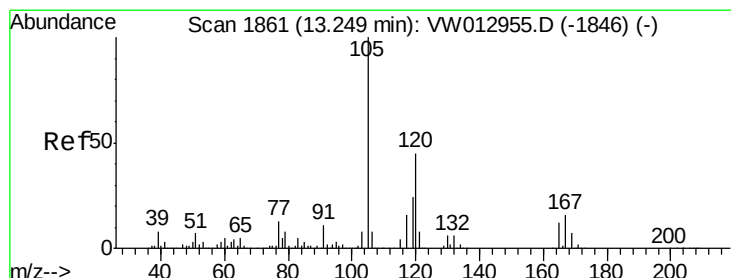
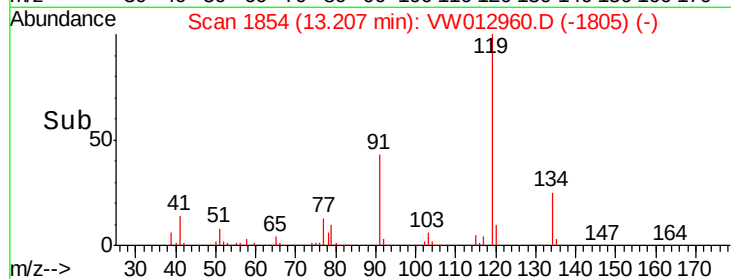
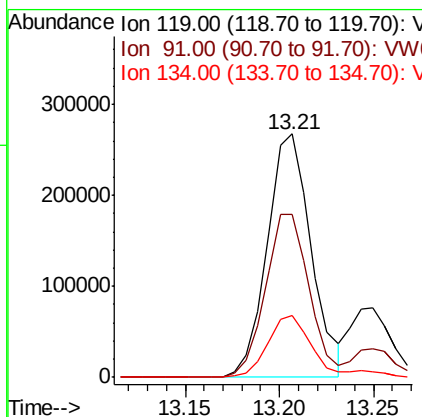
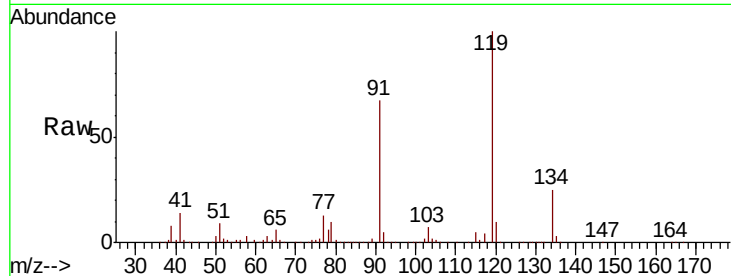
#83
 tert-Butylbenzene
 Concen: 46.334 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	433902		
91	66.6	32.6	98.0	
134	25.1	12.4	37.4	

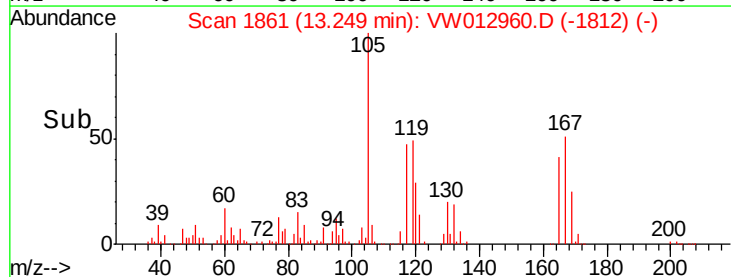
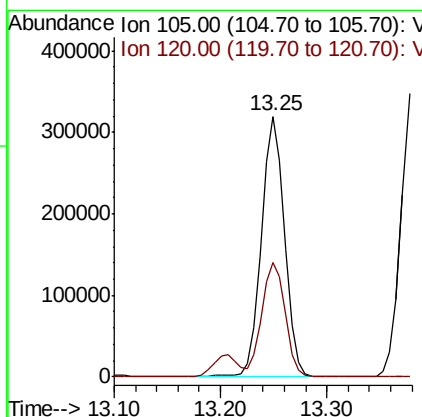
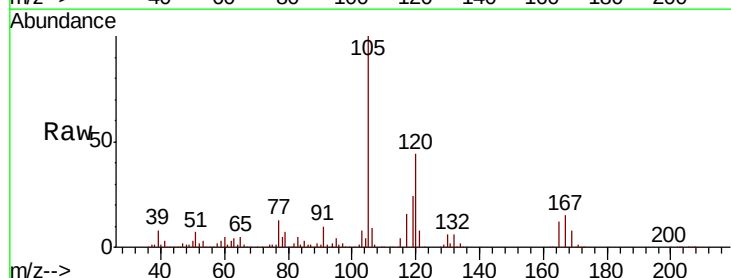
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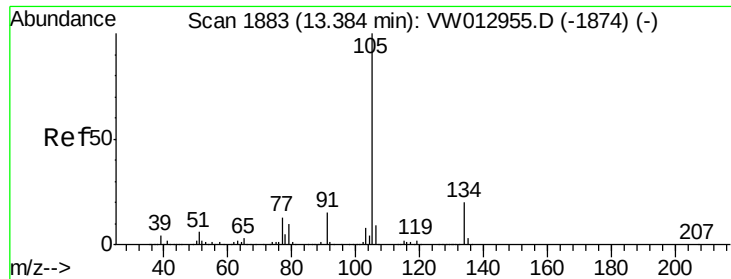
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.126 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	487549		
120	44.0	21.9	65.7	





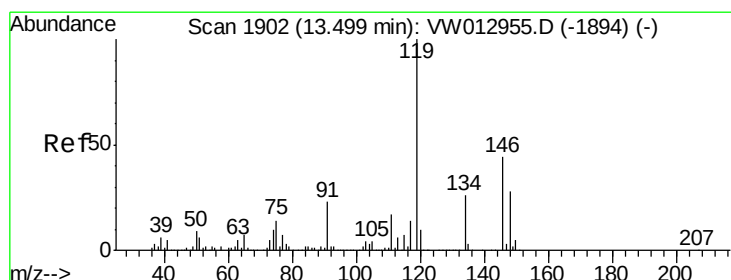
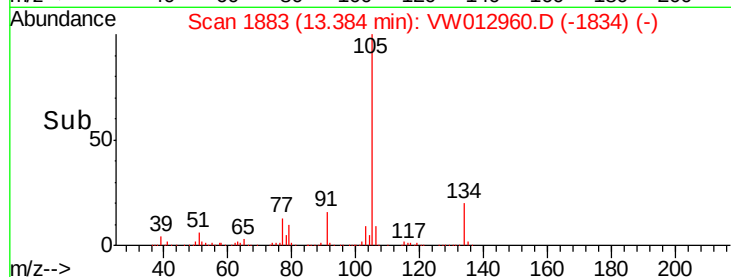
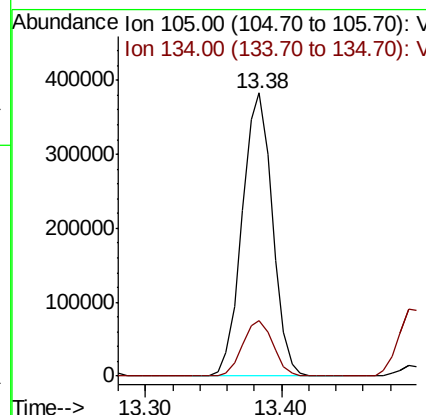
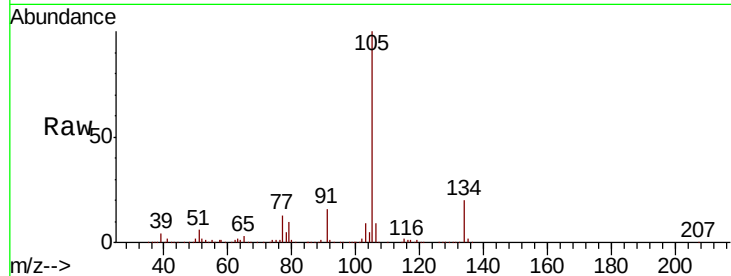
#85
 sec-Butylbenzene
 Concen: 46.549 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

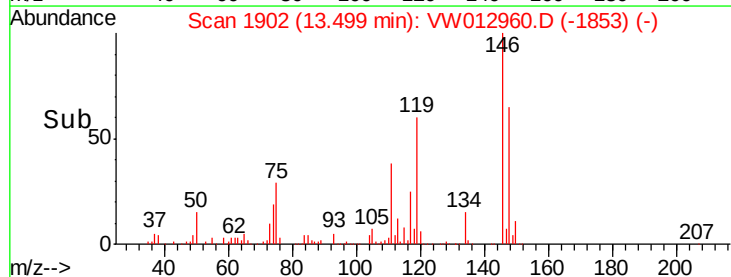
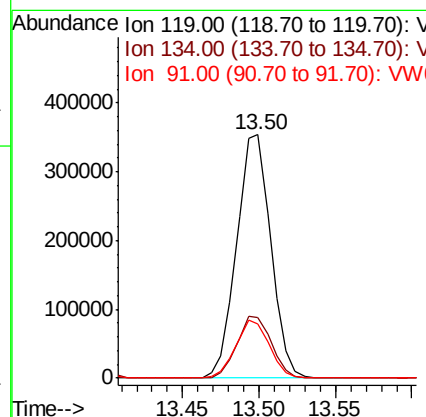
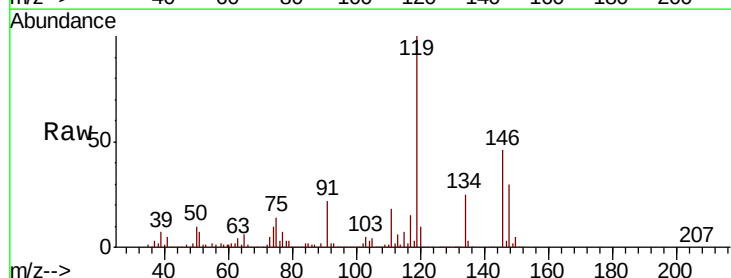
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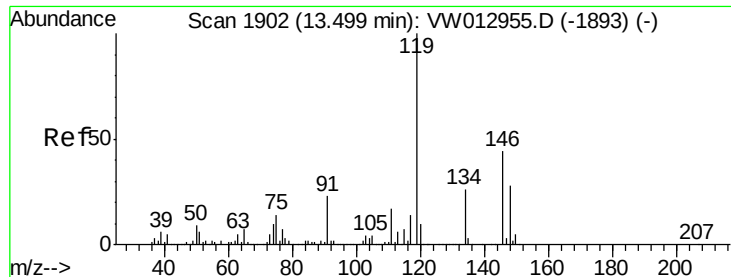
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 9/16/2019 12:43:47 AM



#86
 p-Isopropyltoluene
 Concen: 46.676 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	23.4	11.8	35.4





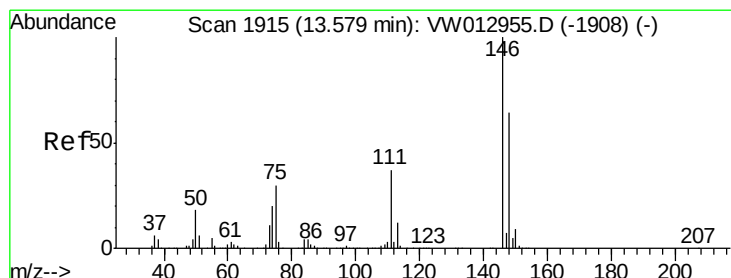
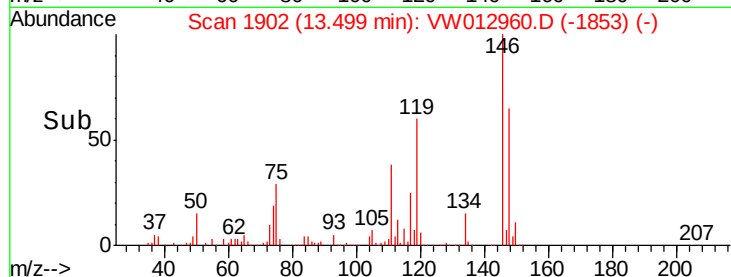
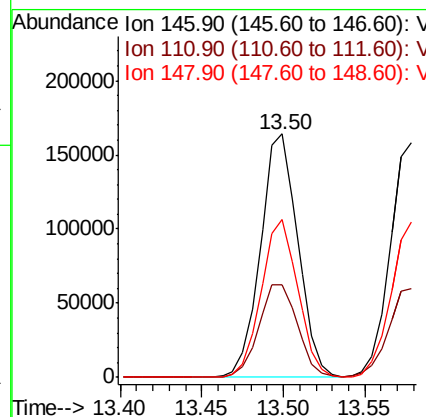
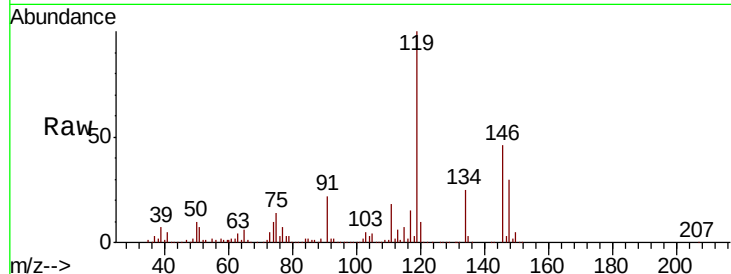
#87
 1,3-Dichlorobenzene
 Concen: 46.325 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	261446		
111	39.5	19.8	59.4	
148	63.9	31.9	95.7	

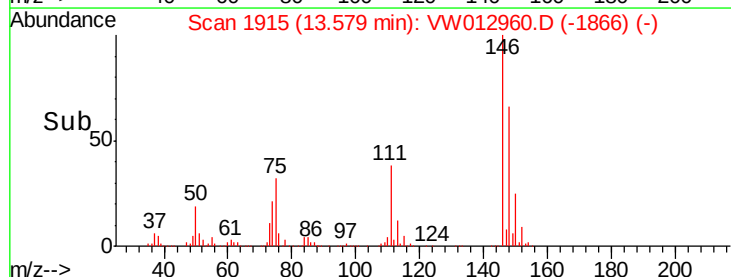
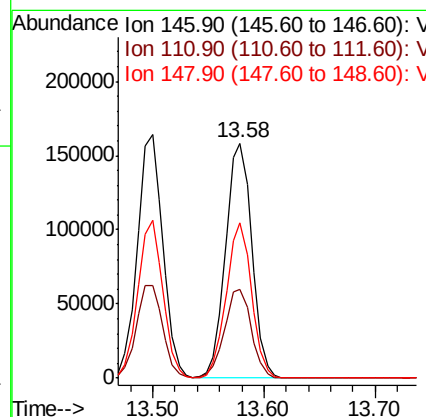
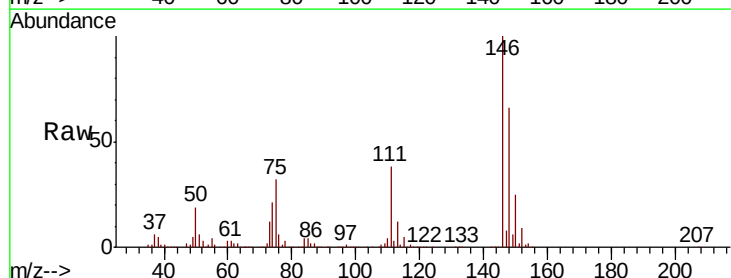
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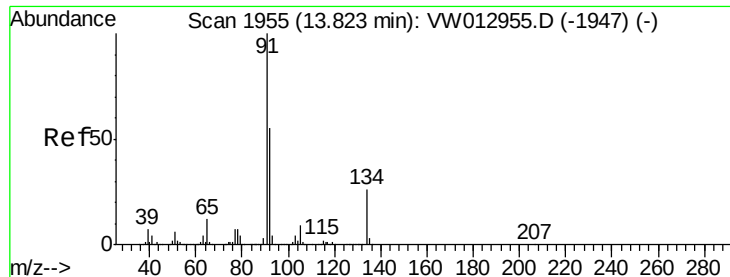
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#88
 1,4-Dichlorobenzene
 Concen: 46.601 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258453		
111	38.6	19.4	58.2	
148	63.9	31.9	95.5	





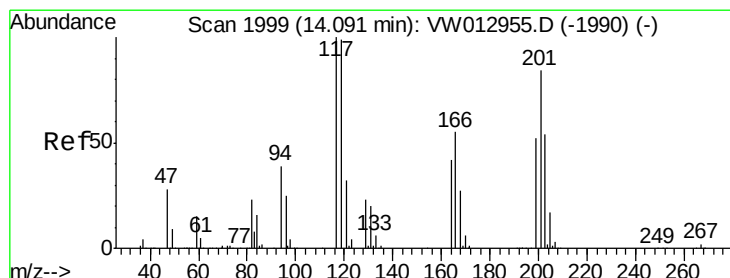
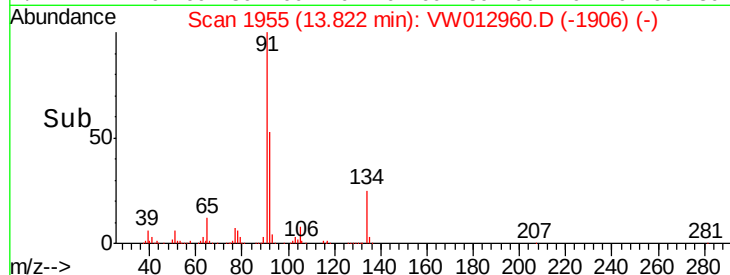
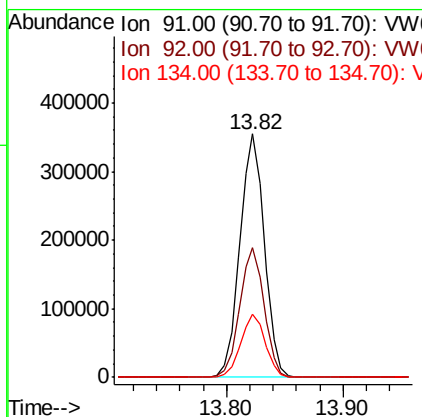
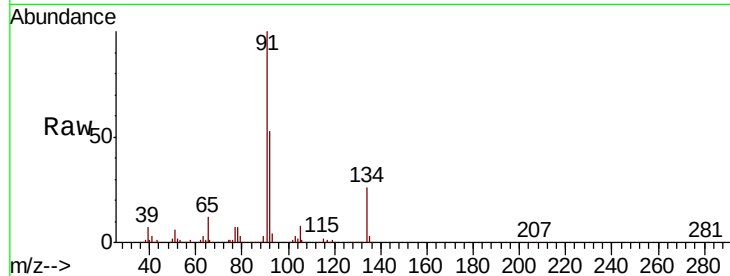
#89
n-Butylbenzene
Concen: 47.037 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	519635		
92	53.2	27.2	81.5	
134	26.0	13.1	39.1	

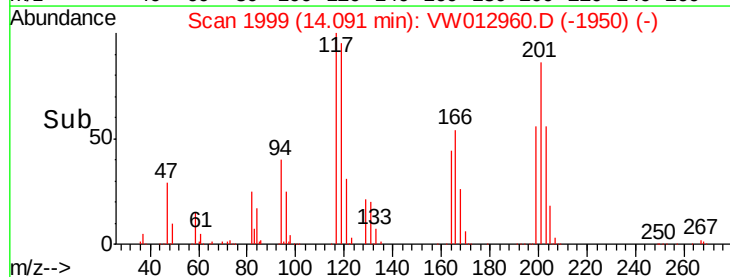
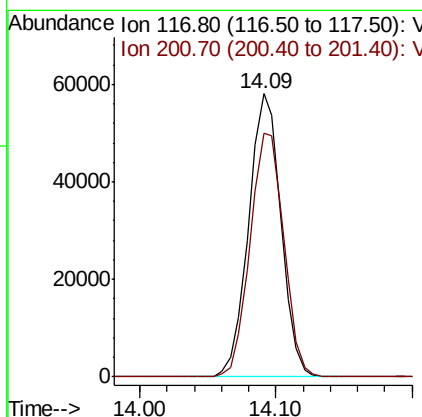
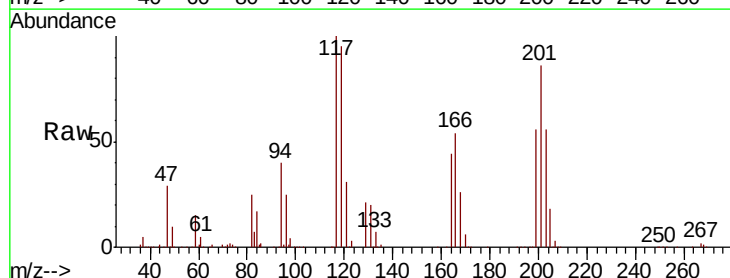
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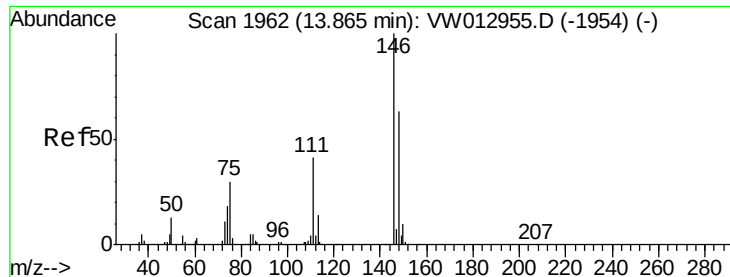
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#90
Hexachloroethane
Concen: 46.127 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	96830		
201	89.8	45.3	135.9	





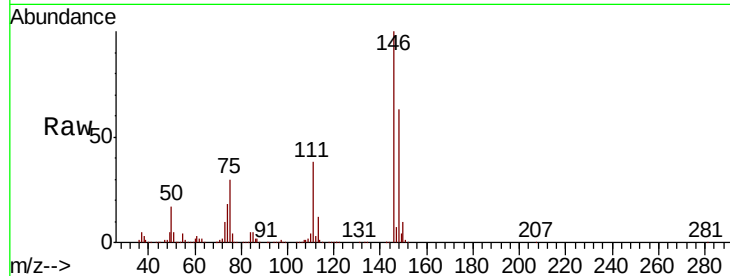
#91
 1,2-Dichlorobenzene
 Concen: 47.396 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	235232		
111	40.9	20.8	62.5	
148	63.1	32.7	98.1	

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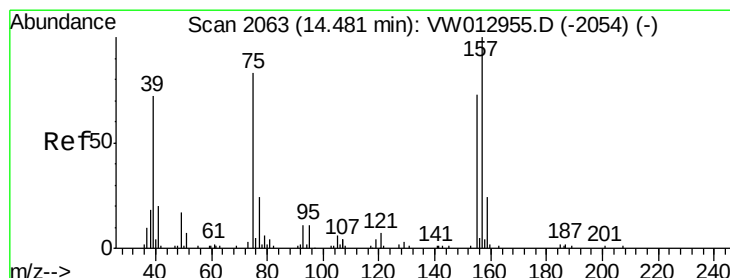
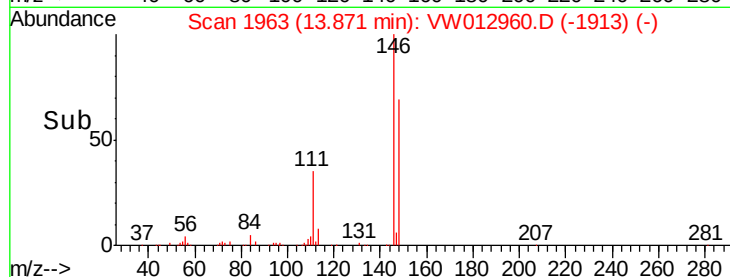
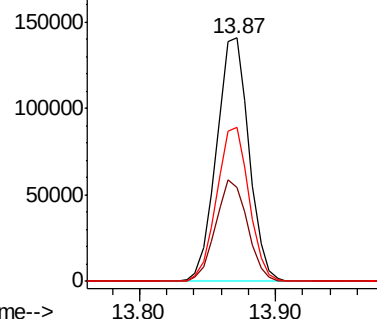


Abundance

Ion 145.90 (145.60 to 146.60): V

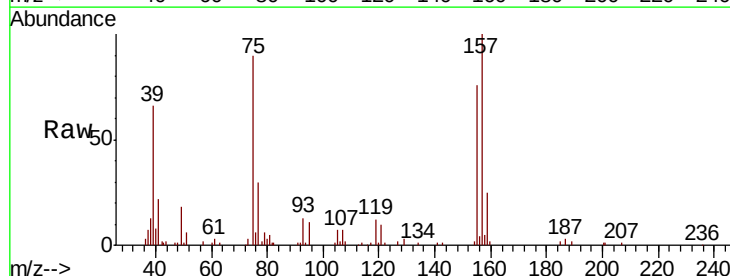
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.095 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19533		
155	81.8	43.3	129.9	
157	105.0	54.7	164.1	

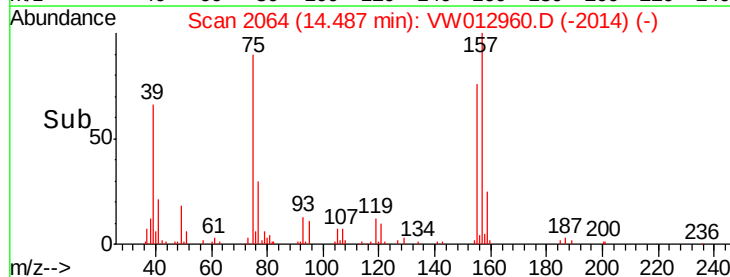
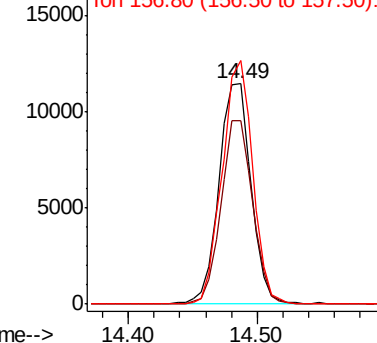


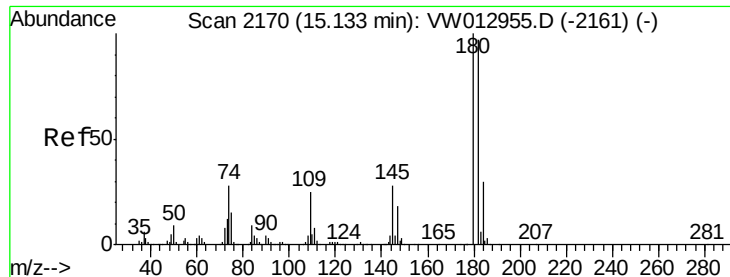
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





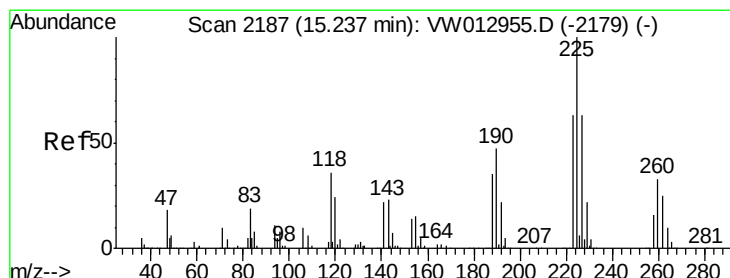
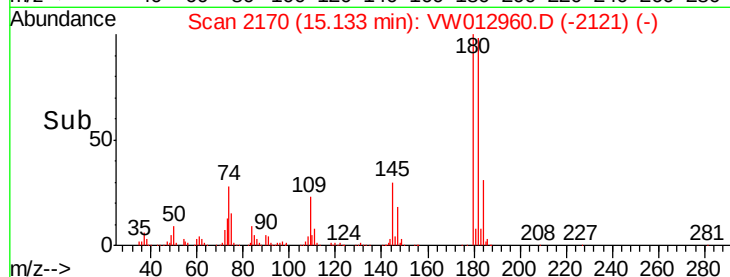
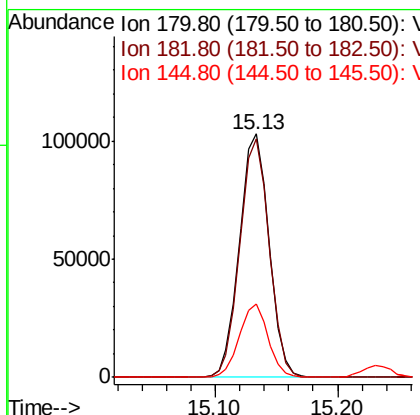
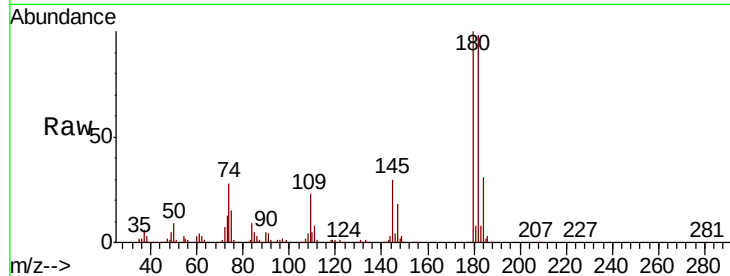
#93
 1,2,4-Trichlorobenzene
 Concen: 48.844 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	172887		
182	96.7	47.4	142.2	
145	29.2	14.9	44.7	

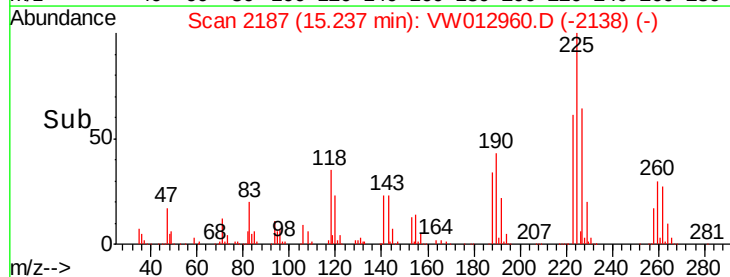
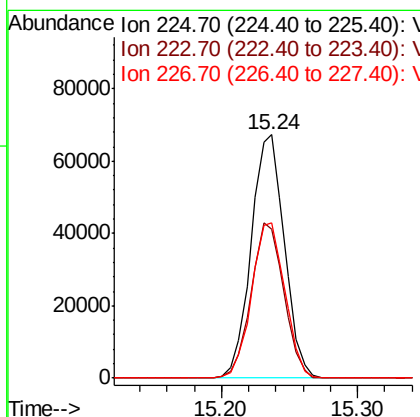
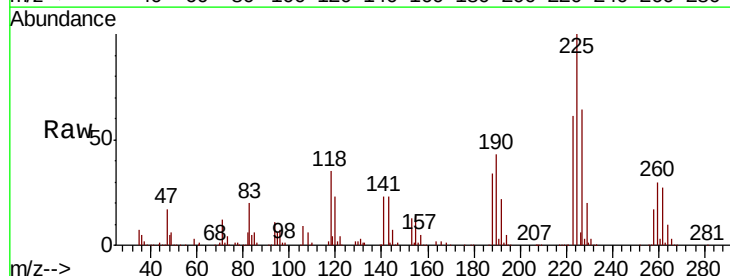
Manual Integrations
 APPROVED

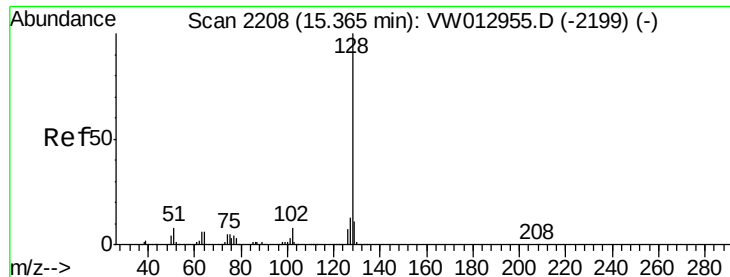
MMDadoda
 9/16/2019 12:43:47 AM



#94
 Hexachlorobutadiene
 Concen: 46.043 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115371		
223	62.9	31.8	95.3	
227	64.0	31.3	93.8	





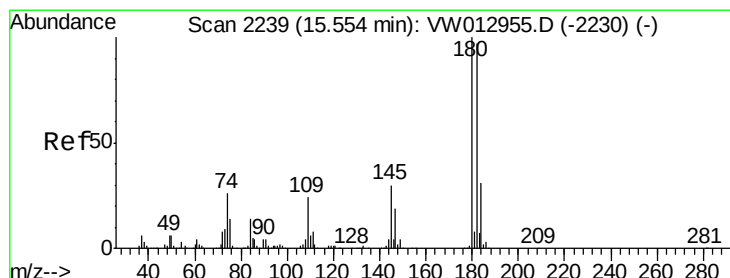
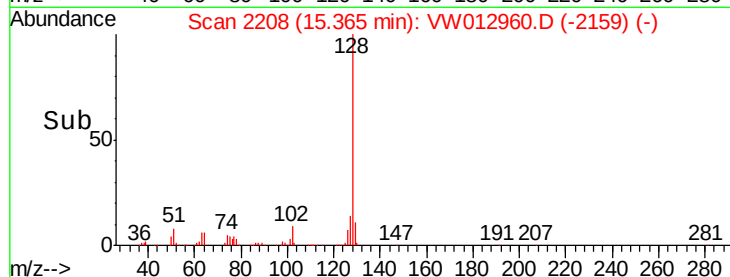
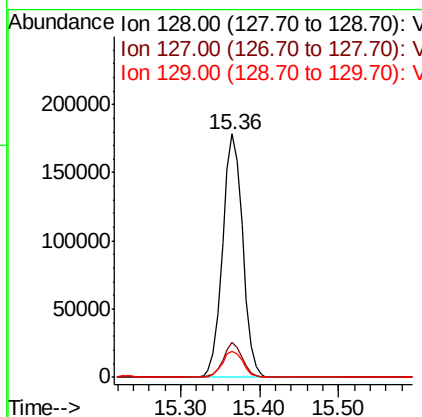
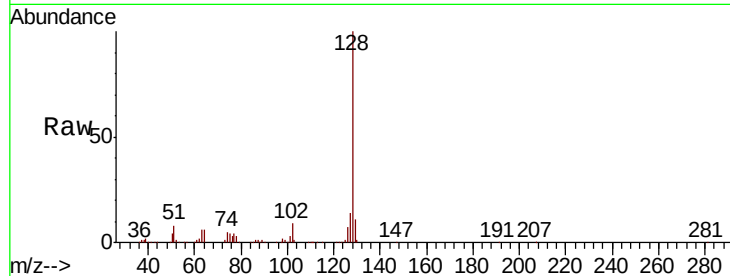
#95
Naphthalene
Concen: 53.388 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	315743		
127	13.5	11.0	16.6	
129	11.2	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.729 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	155598		
182	95.2	47.6	142.8	
145	31.2	15.4	46.2	

