

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013476.D
 Acq On : 07 Oct 2019 20:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:30:27 PM

Quant Time: Oct 08 11:02:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	165124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	98272	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	7.88	113	104377	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	10.32	98	455846	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.62	95	149573	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	52759	48.086	ug/l	95
3) Chloromethane	2.21	50	80143	44.264	ug/l	95
4) Vinyl Chloride	2.36	62	123505	48.065	ug/l	98
5) Bromomethane	2.76	94	71135	45.060	ug/l	98
6) Chloroethane	2.92	64	66745	44.984	ug/l	99
7) Trichlorofluoromethane	3.25	101	58816	52.760	ug/l	100
8) Diethyl Ether	3.68	74	56957	44.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	126659	51.247	ug/l	99
10) Methyl Iodide	4.27	142	185735	46.534	ug/l	99
11) Tert butyl alcohol	5.17	59	41897	239.241	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	127646	48.882	ug/l	99
13) Acrolein	3.89	56	45829	215.526	ug/l	97
14) Allyl chloride	4.67	41	184129	47.665	ug/l	99
15) Acrylonitrile	5.36	53	129945	222.781	ug/l	98
16) Acetone	4.12	43	106570	164.148	ug/l	96
17) Carbon Disulfide	4.38	76	355229	48.763	ug/l	98
18) Methyl Acetate	4.67	43	64046	42.148	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	175904	45.769	ug/l	99
20) Methylene Chloride	4.92	84	128055	47.144	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	133437	47.984	ug/l	98
22) Diisopropyl ether	6.31	45	345210	46.274	ug/l	99
23) Vinyl Acetate	6.25	43	997454	222.826	ug/l	98
24) 1,1-Dichloroethane	6.21	63	214634	47.236	ug/l	99
25) 2-Butanone	7.17	43	164580	198.112	ug/l	92
26) 2,2-Dichloropropane	7.17	77	131075	49.853	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135278	46.474	ug/l	97
28) Bromochloromethane	7.51	49	80993	49.300	ug/l	95
29) Tetrahydrofuran	7.53	42	107356	223.259	ug/l	98
30) Chloroform	7.67	83	204278	45.848	ug/l	99
31) Cyclohexane	7.95	56	234127	48.316	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	178760	51.212	ug/l	98
36) 1,1-Dichloropropene	8.08	75	187855	51.417	ug/l	99
37) Ethyl Acetate	7.25	43	71130	44.130	ug/l	95
38) Carbon Tetrachloride	8.07	117	164163	51.871	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	254303	52.852	ug/l	98
40) Benzene	8.32	78	502353	48.572	ug/l	100
41) Methacrylonitrile	7.48	41	44074	45.333	ug/l	97
42) 1,2-Dichloroethane	8.40	62	121406	45.673	ug/l	98
43) Isopropyl Acetate	8.42	43	140218	46.203	ug/l	99
44) Trichloroethene	9.09	130	146311	50.237	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117498	47.317	ug/l	99
46) Dibromomethane	9.46	93	56254	45.482	ug/l	98
47) Bromodichloromethane	9.64	83	144707	47.526	ug/l	96
48) Methyl methacrylate	9.43	41	69586	47.721	ug/l	98
49) 1,4-Dioxane	9.45	88	19810	1039.422	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	359126	225.232	ug/l	98
52) Toluene	10.38	92	327348	49.072	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	146623	46.296	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	183958	47.907	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	85940	46.578	ug/l	97
56) Ethyl methacrylate	10.65	69	117583	47.346	ug/l	96
57) 1,3-Dichloropropane	10.93	76	144929	45.183	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	259696	254.563	ug/l	98
59) 2-Hexanone	10.97	43	244596	221.319	ug/l	98
60) Dibromochloromethane	11.13	129	101180	47.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	81338	45.620	ug/l	99
64) Tetrachloroethene	10.86	164	135757	54.140	ug/l	99
65) Chlorobenzene	11.65	112	329819	48.845	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	115492	50.218	ug/l	98
67) Ethyl Benzene	11.73	91	629579	52.024	ug/l	100
68) m/p-Xylenes	11.84	106	477314	102.183	ug/l	99
69) o-Xylene	12.16	106	220409	51.034	ug/l	97
70) Styrene	12.18	104	374027	50.662	ug/l	98
71) Bromoform	12.35	173	61618	49.418	ug/l #	99
73) Isopropylbenzene	12.46	105	634136	52.501	ug/l	99
74) N-amyl acetate	12.27	43	127184	49.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	97020	47.457	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	73095m	49.807	ug/l	
77) Bromobenzene	12.74	156	142193	49.028	ug/l	98
78) n-propylbenzene	12.80	91	729368	52.496	ug/l	99
79) 2-Chlorotoluene	12.89	91	393809	51.032	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	517671	51.594	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	31710	46.288	ug/l	96
82) 4-Chlorotoluene	12.99	91	403406	49.904	ug/l	99
83) tert-Butylbenzene	13.21	119	470644	53.703	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	498790	50.007	ug/l	100
85) sec-Butylbenzene	13.38	105	643980	53.296	ug/l	99
86) p-Isopropyltoluene	13.49	119	596772	53.293	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	267276	48.984	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	262289	48.009	ug/l	99
89) n-Butylbenzene	13.82	91	531859	52.682	ug/l	99
90) Hexachloroethane	14.09	117	97910	52.923	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	231646	48.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14209	46.467	ug/l	84

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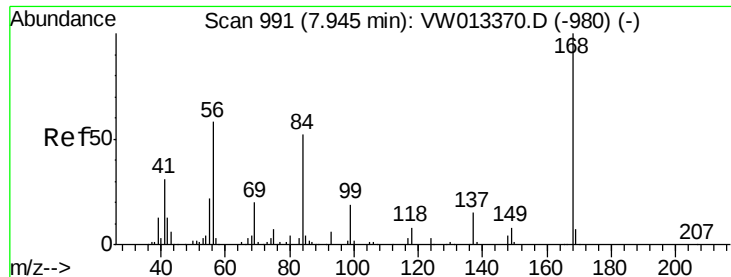
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163749	47.304	ug/l	99
94) Hexachlorobutadiene	15.24	225	114243	50.805	ug/l	99
95) Naphthalene	15.36	128	280320	48.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141909	46.954	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion:168 Resp: 283669

Ion Ratio Lower Upper

168 100

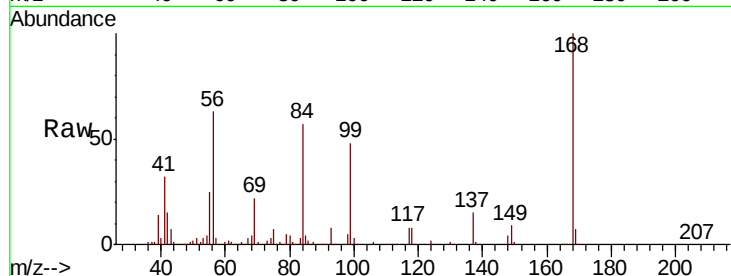
99 47.8 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

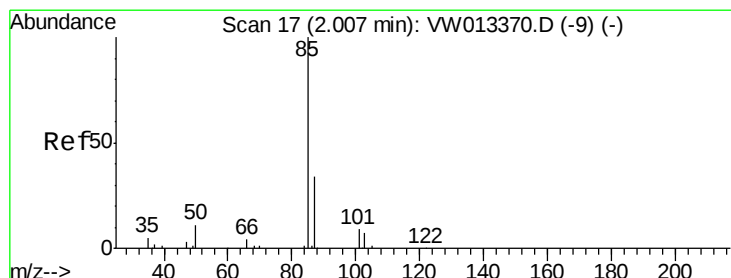
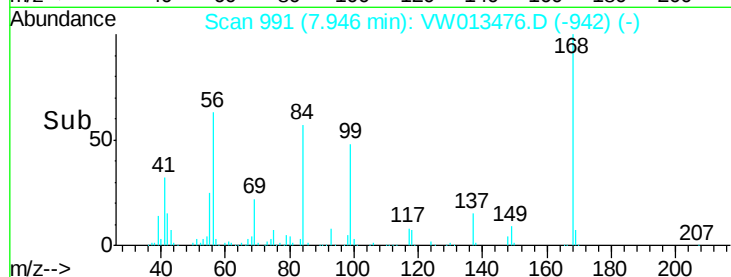
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 48.086 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013476.D

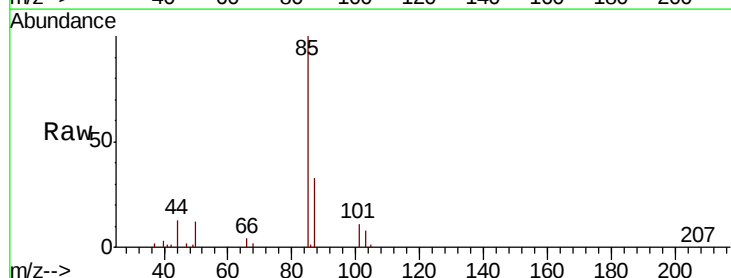
Acq: 07 Oct 2019 20:46

Tgt Ion: 85 Resp: 52759

Ion Ratio Lower Upper

85 100

87 32.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

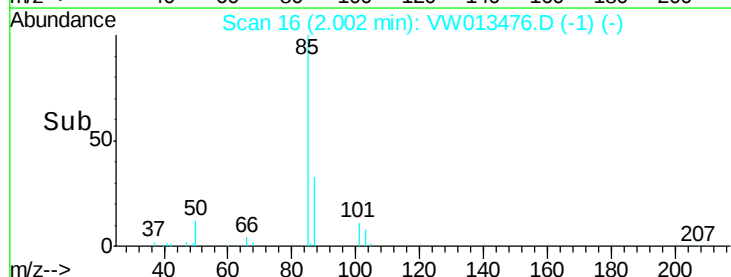
2.00

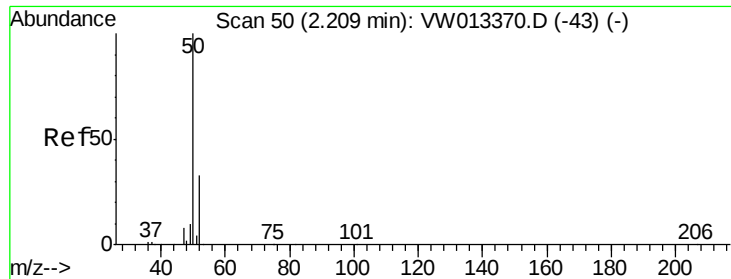
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 44.264 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 80143

Ion Ratio Lower Upper

50 100

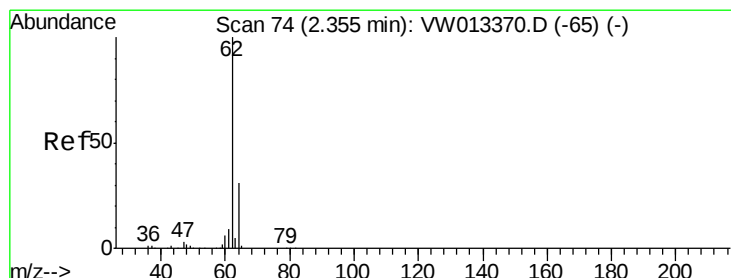
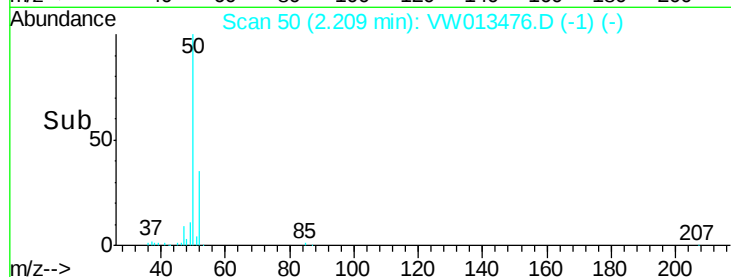
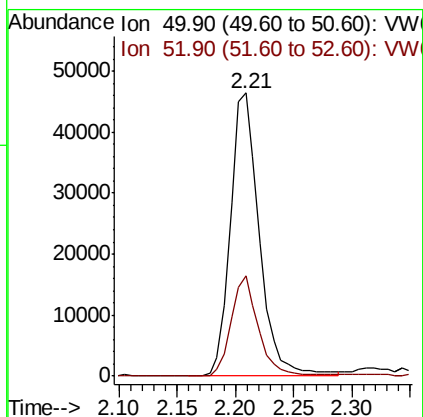
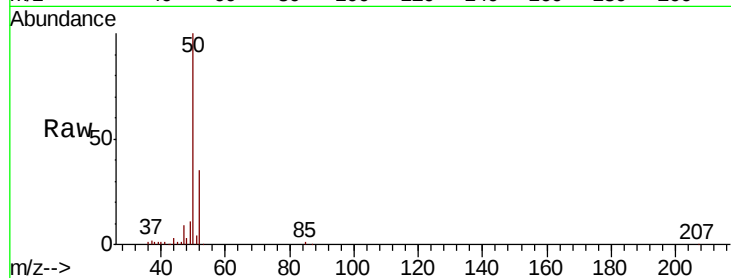
52 35.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 48.065 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013476.D

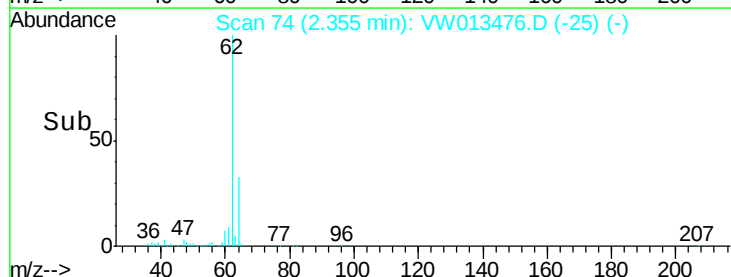
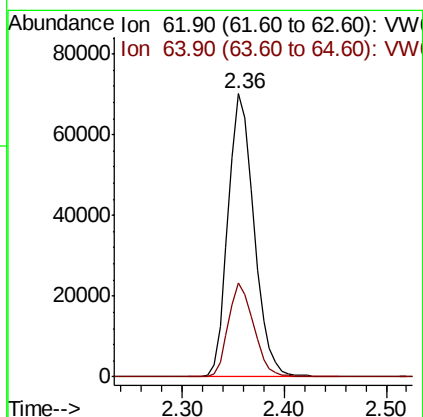
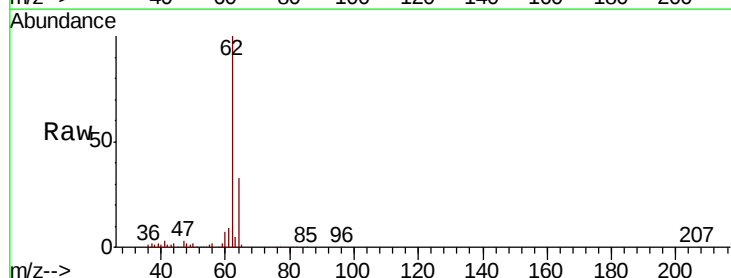
Acq: 07 Oct 2019 20:46

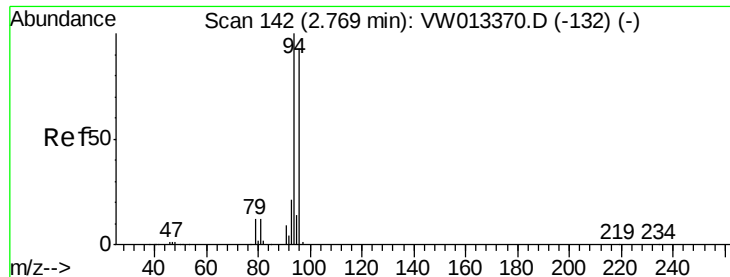
Tgt Ion: 62 Resp: 123505

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 45.060 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71135

Ion Ratio Lower Upper

94 100

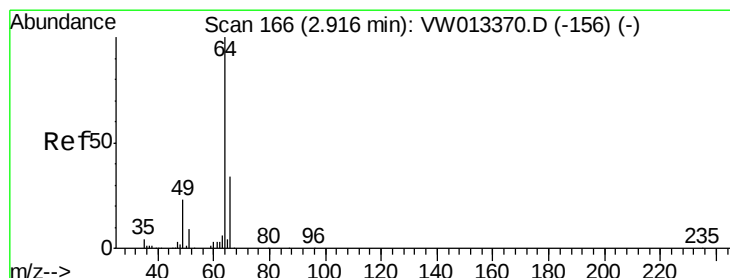
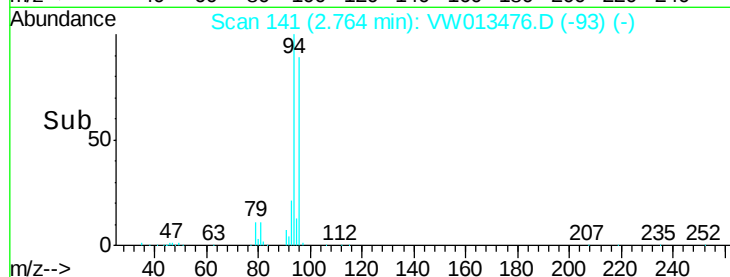
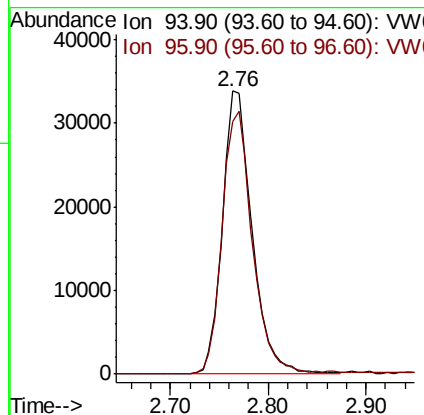
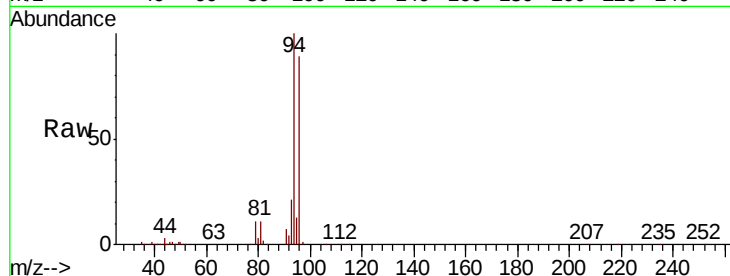
96 88.9 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 44.984 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013476.D

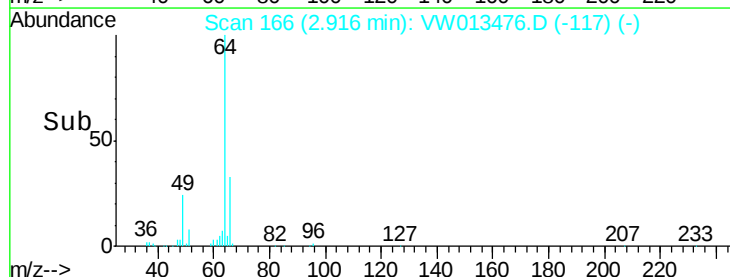
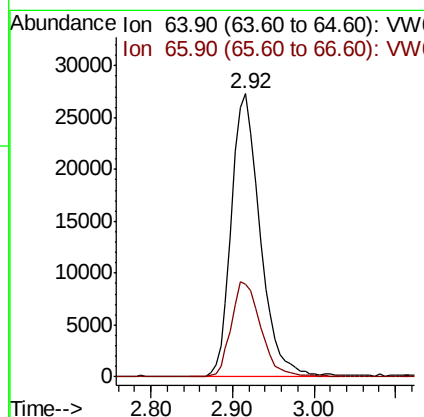
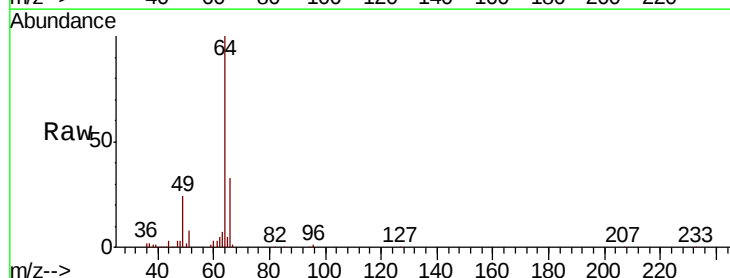
Acq: 07 Oct 2019 20:46

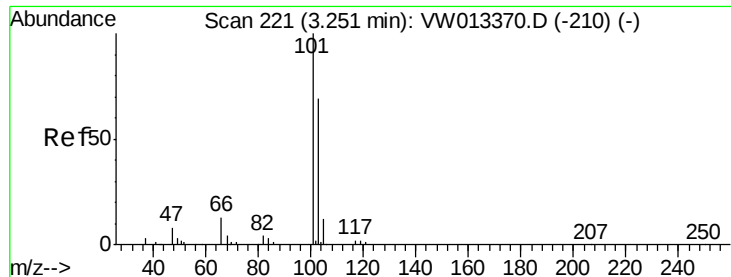
Tgt Ion: 64 Resp: 66745

Ion Ratio Lower Upper

64 100

66 32.6 26.6 39.8





#7

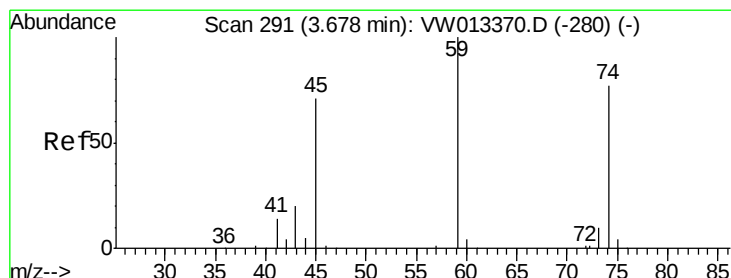
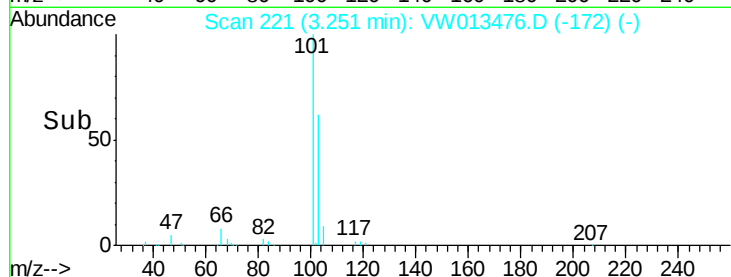
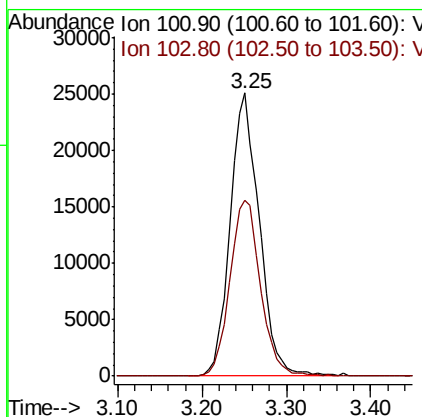
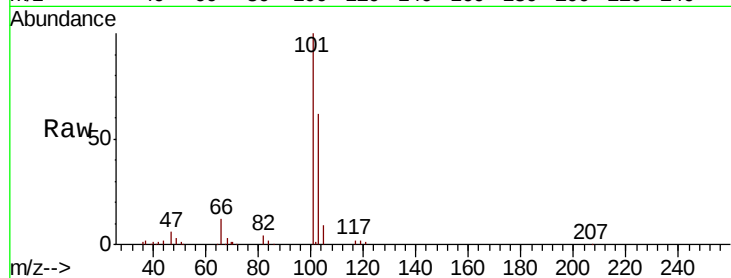
Trichlorofluoromethane
 Concen: 52.760 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	49.7	74.5

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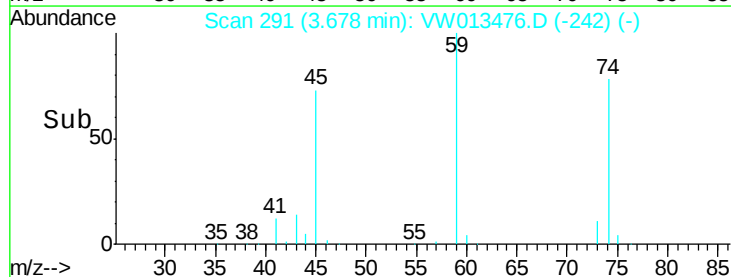
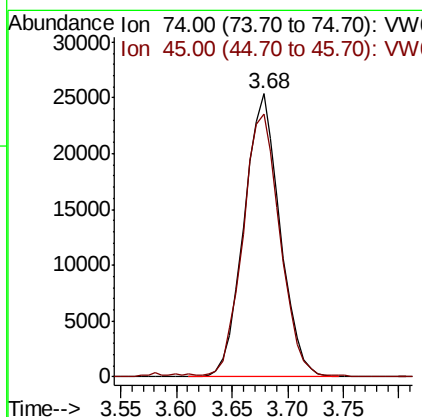
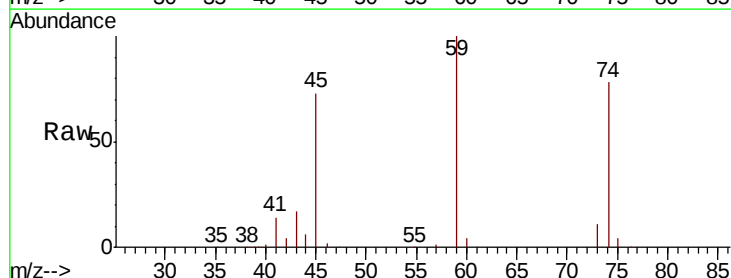
MMDadoda
 10/8/2019 1:30:27 PM

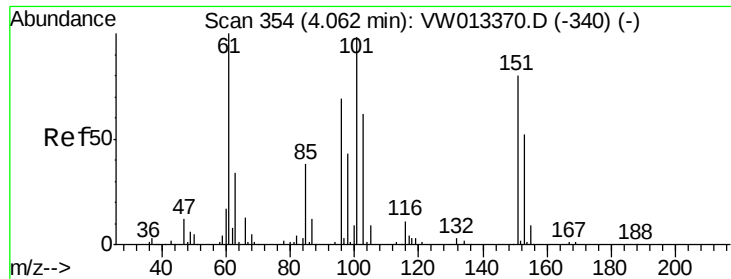


#8

Diethyl Ether
 Concen: 44.143 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.247 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 126659

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.0

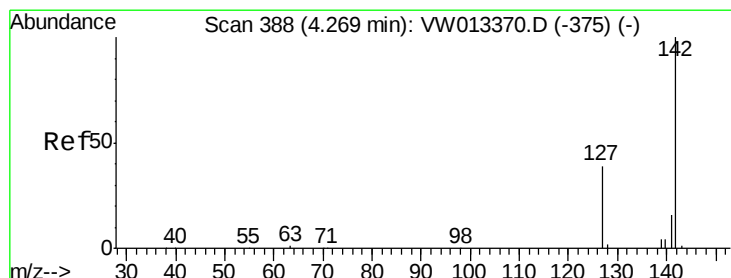
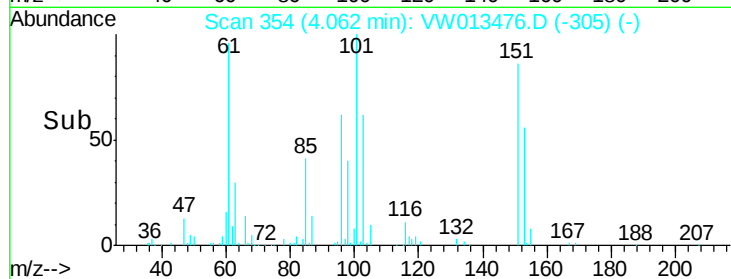
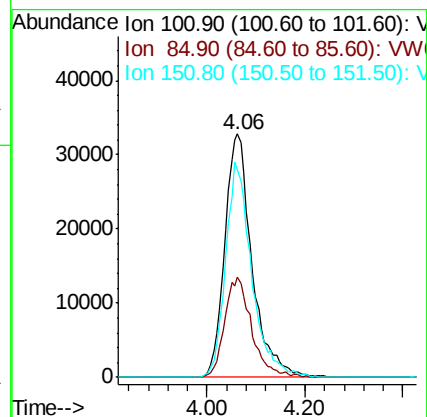
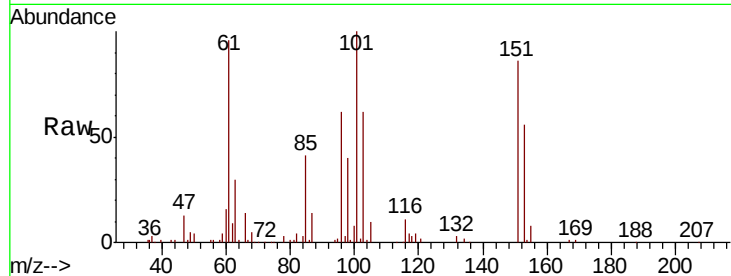
151 84.9 66.9 100.3

Manual Integrations

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#10

Methyl Iodide

Concen: 46.534 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

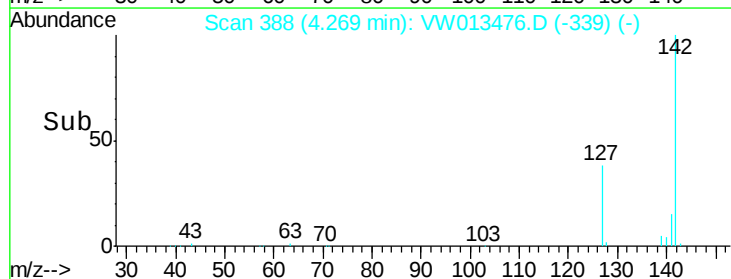
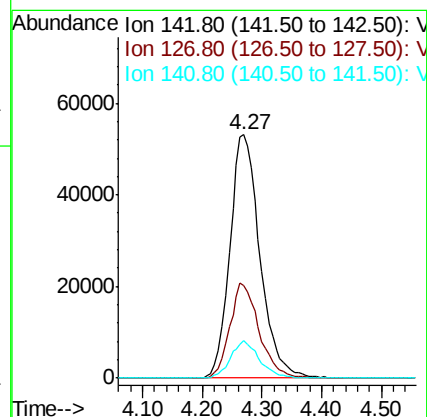
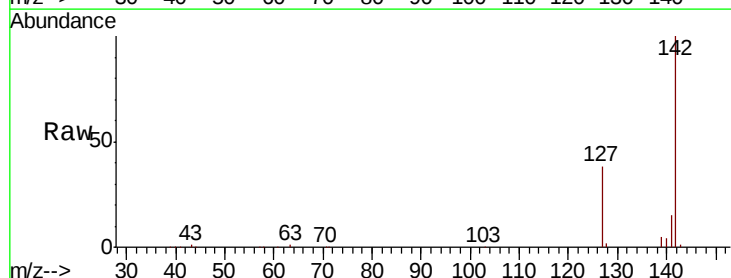
Tgt Ion:142 Resp: 185735

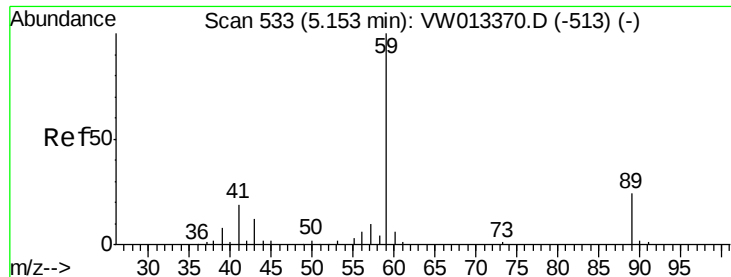
Ion Ratio Lower Upper

142 100

127 38.0 30.9 46.3

141 14.7 11.7 17.5





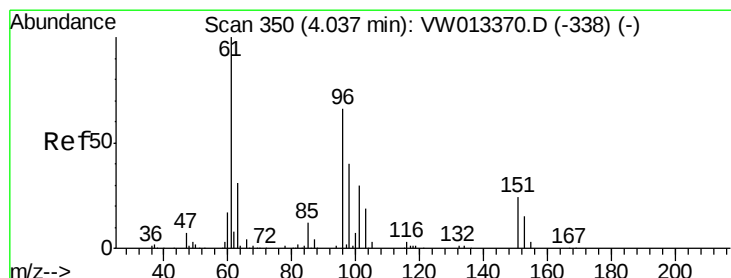
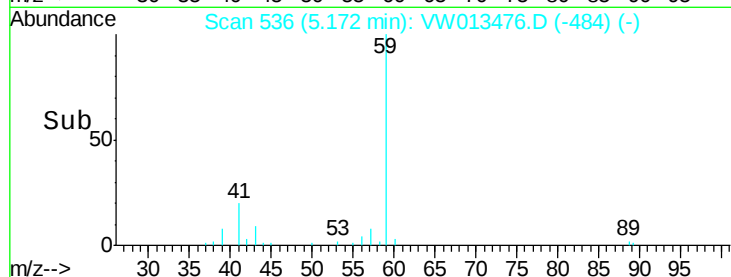
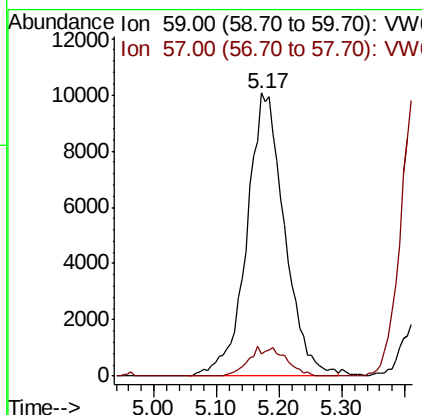
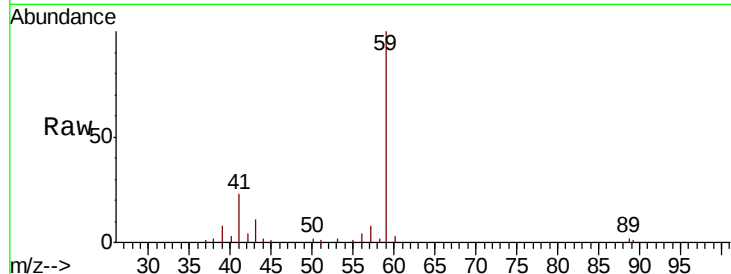
#11
Tert butyl alcohol
Concen: 239.241 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.02 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 41897
Ion Ratio Lower Upper
59 100
57 4.0 8.2 12.2#

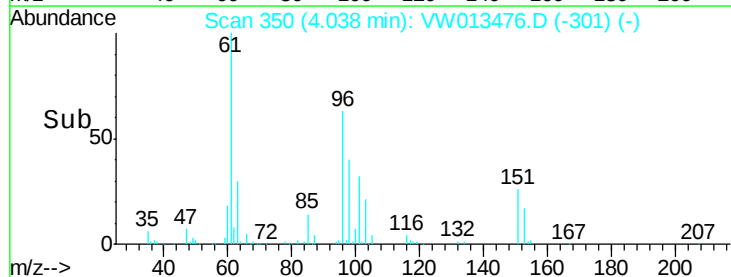
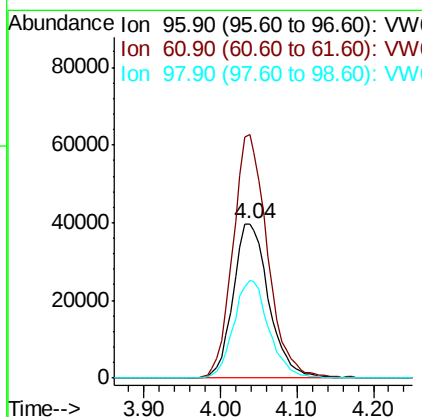
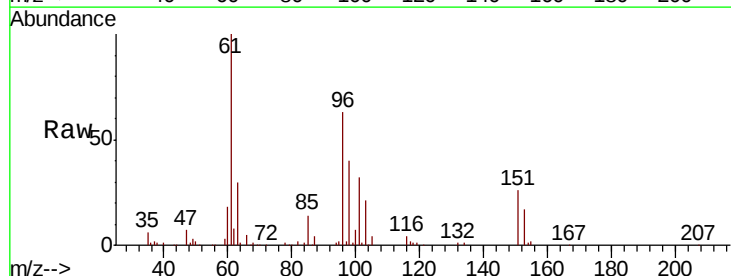
Manual Integrations
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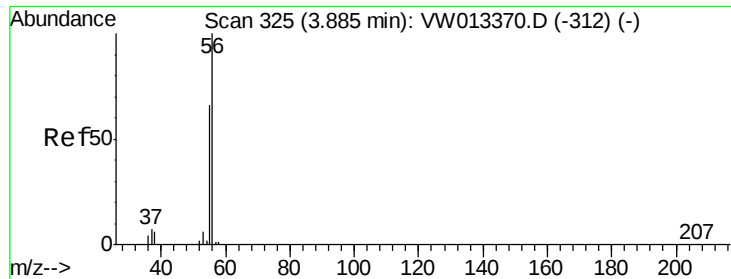
MMDadoda
10/8/2019 1:30:27 PM



#12
1,1-Dichloroethene
Concen: 48.882 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion: 96 Resp: 127646
Ion Ratio Lower Upper
96 100
61 157.7 125.1 187.7
98 63.0 50.8 76.2





#13

Acrolein

Concen: 215.526 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45829

Ion Ratio Lower Upper

56 100

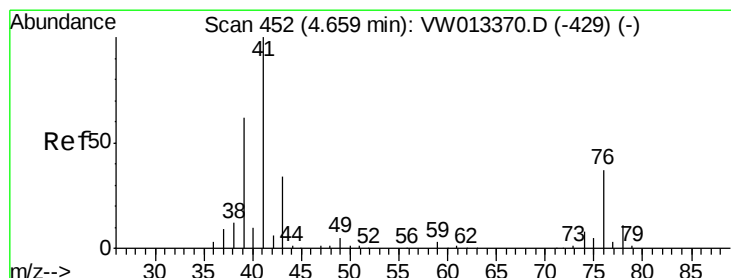
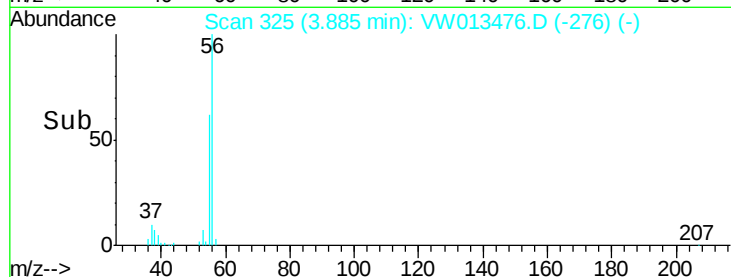
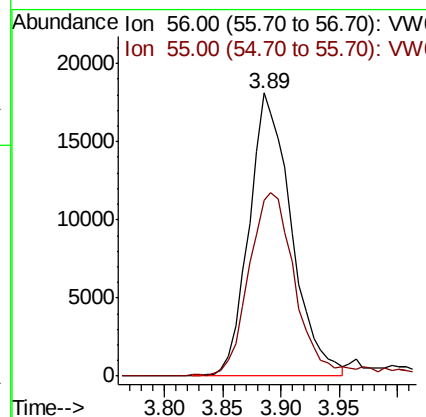
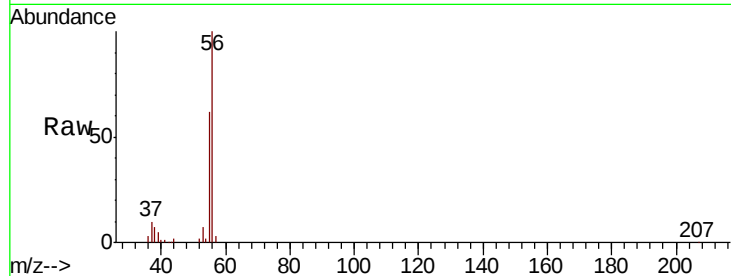
55 71.9 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 47.665 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

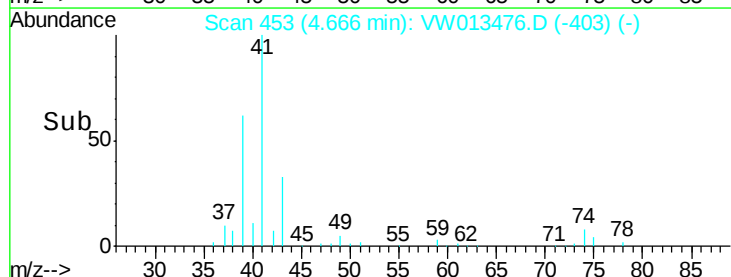
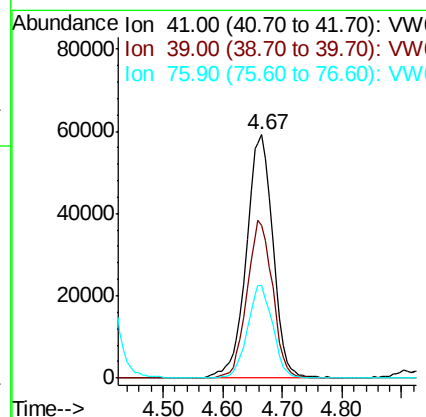
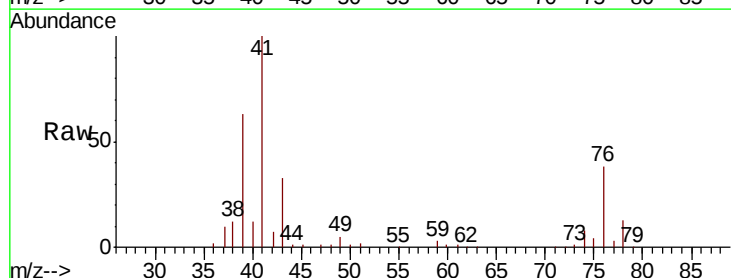
Tgt Ion: 41 Resp: 184129

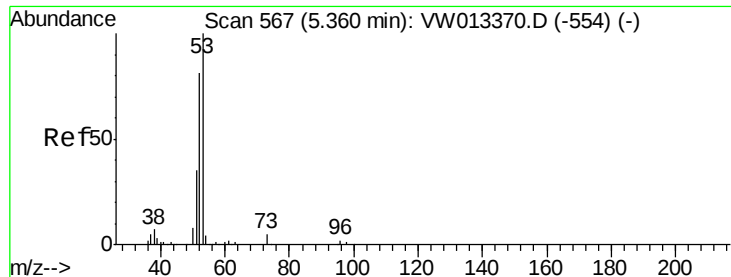
Ion Ratio Lower Upper

41 100

39 62.4 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 222.781 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

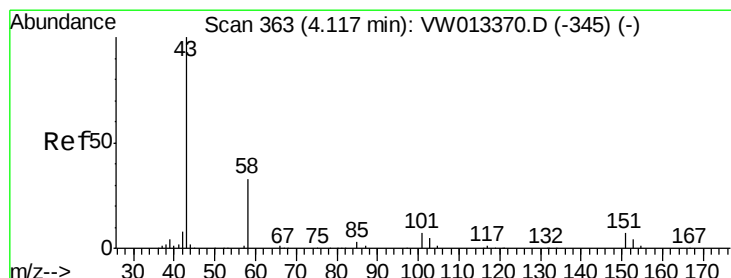
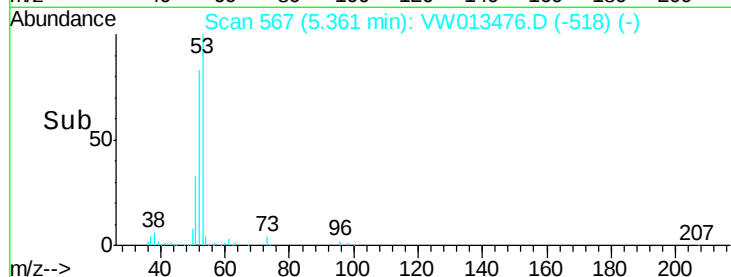
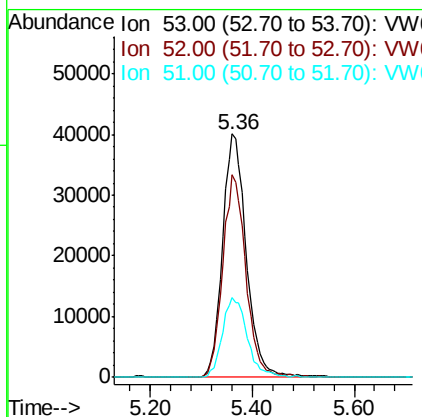
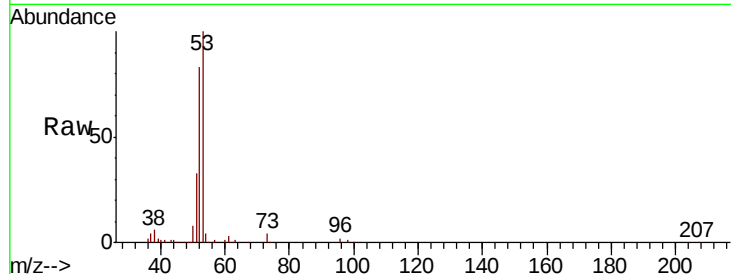
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	129945
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.3	97.9
51	34.2	29.0	43.4

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#16

Acetone

Concen: 164.148 ug/l

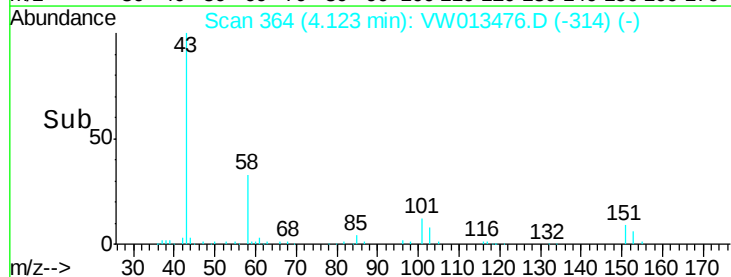
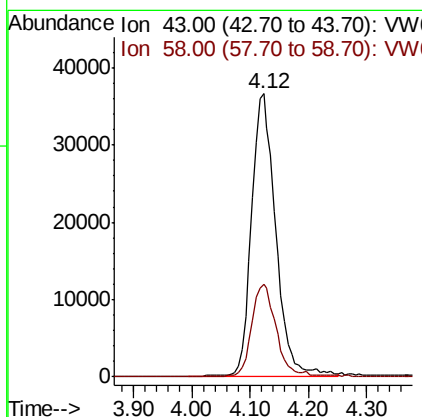
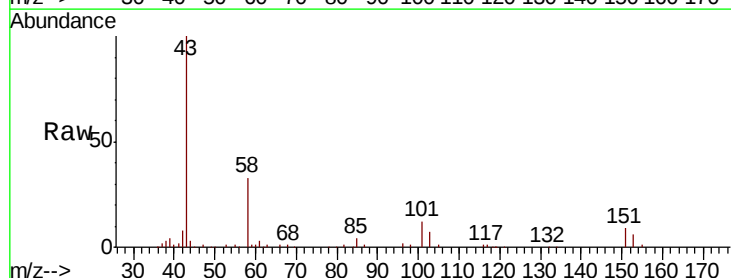
RT: 4.12 min Scan# 364

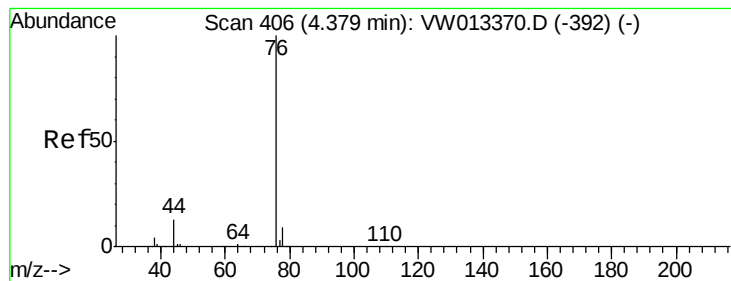
Delta R.T. 0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion	43	Resp	106570
Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.1	36.1





#17

Carbon Disulfide

Concen: 48.763 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 355229

Ion Ratio Lower Upper

76 100

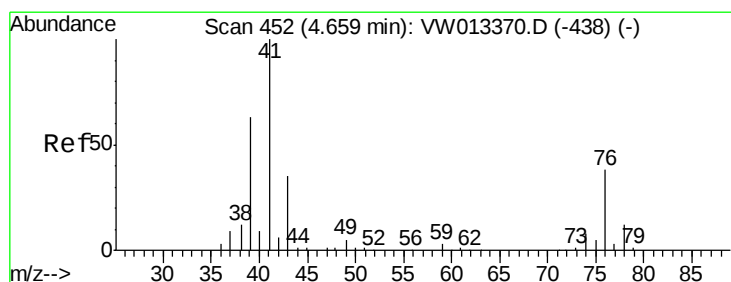
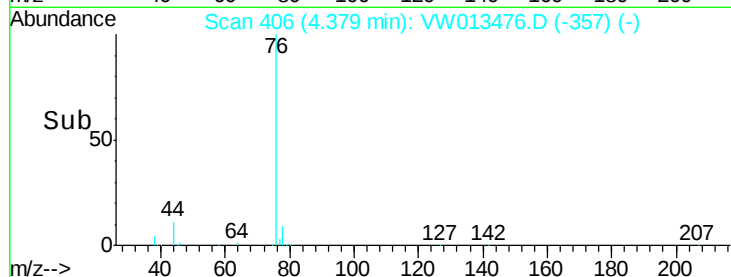
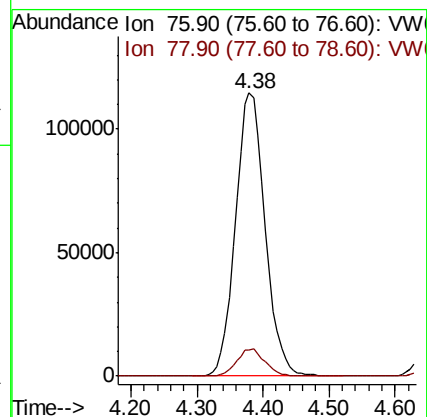
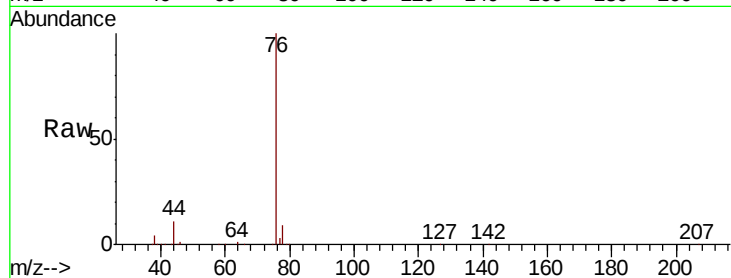
78 9.4 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 42.148 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013476.D

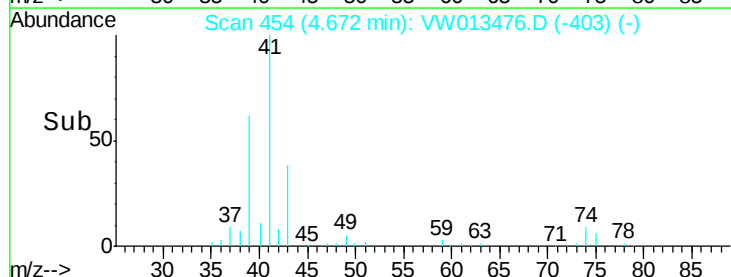
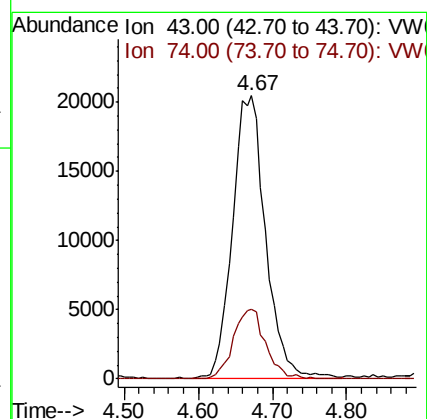
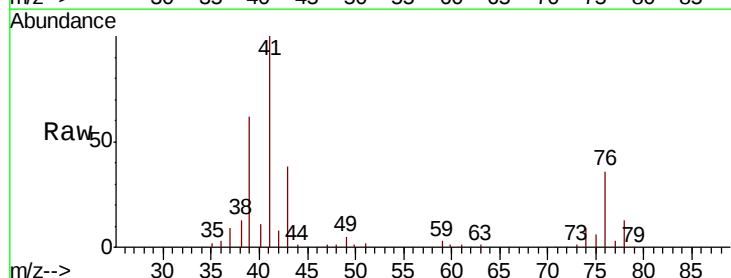
Acq: 07 Oct 2019 20:46

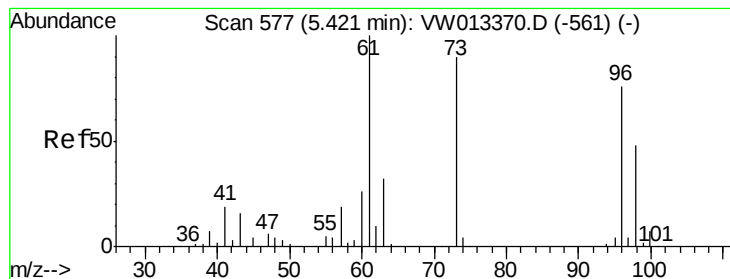
Tgt Ion: 43 Resp: 64046

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9





#19

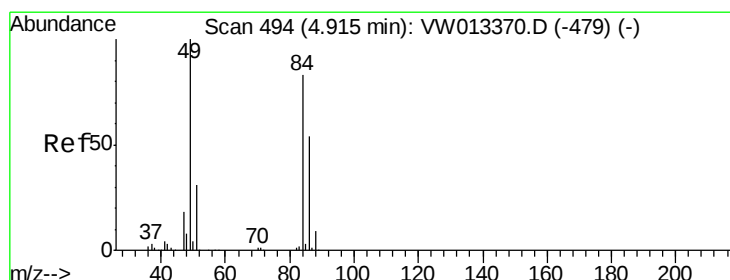
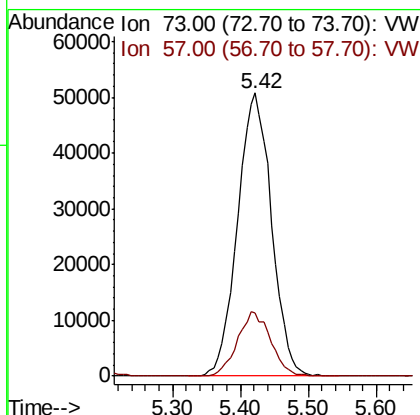
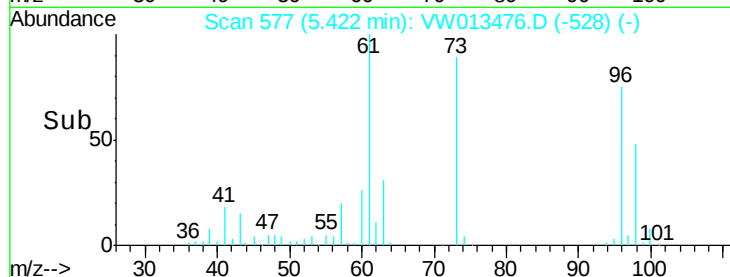
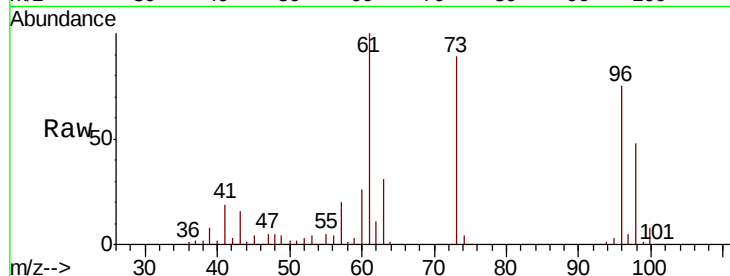
Methyl tert-butyl Ether
 Concen: 45.769 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4

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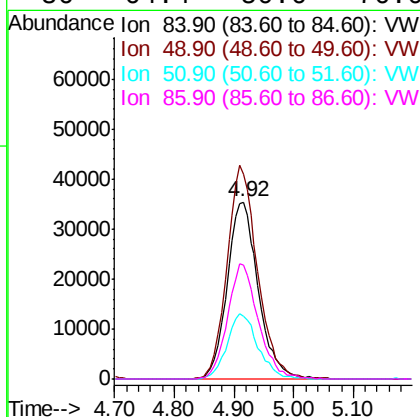
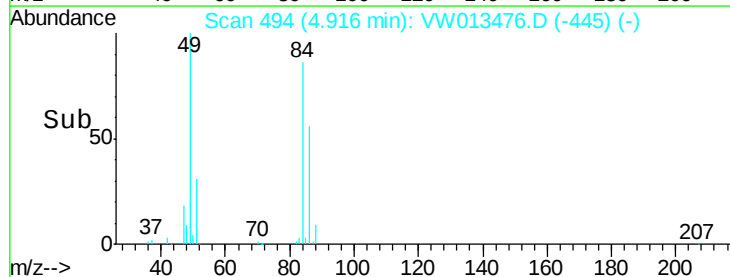
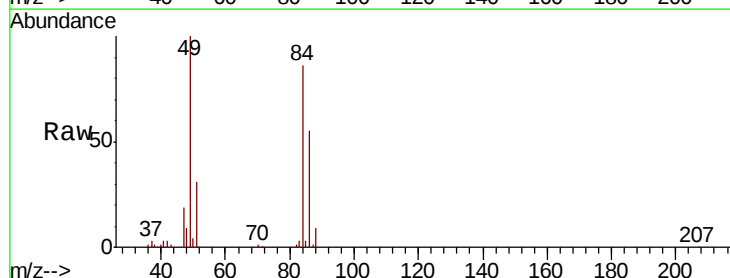
MMDadoda
 10/8/2019 1:30:27 PM

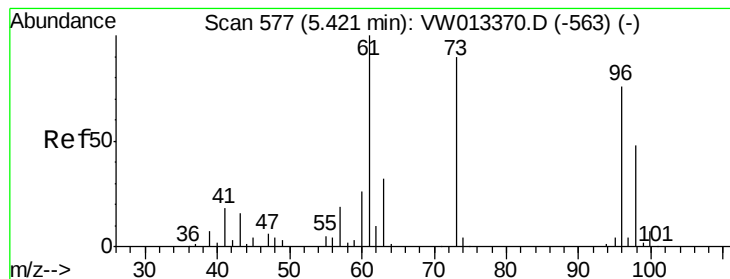


#20

Methylene Chloride
 Concen: 47.144 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.2	97.6	146.4
51	35.5	30.2	45.2
86	64.4	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 47.984 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

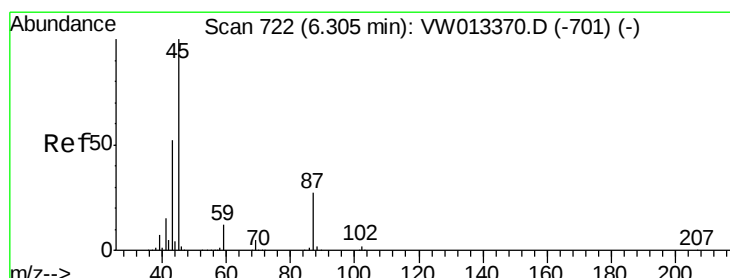
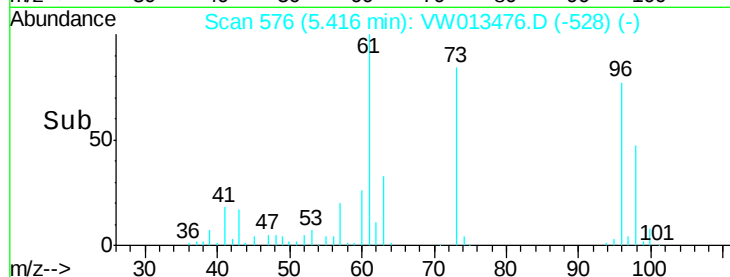
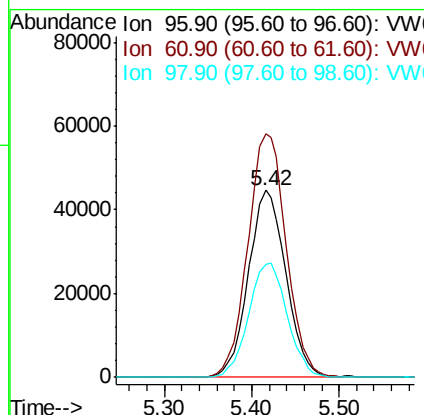
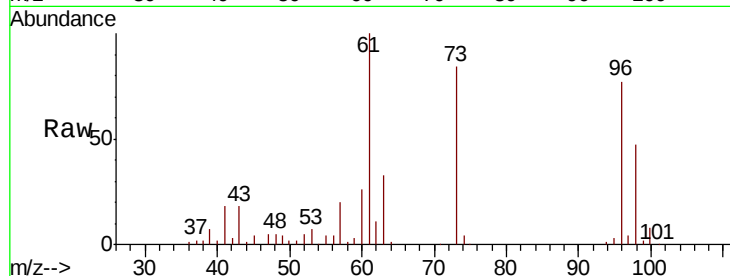
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	133437
Ion	Ratio	Lower	Upper
96	100		
61	130.3	106.6	159.8
98	60.7	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.274 ug/l

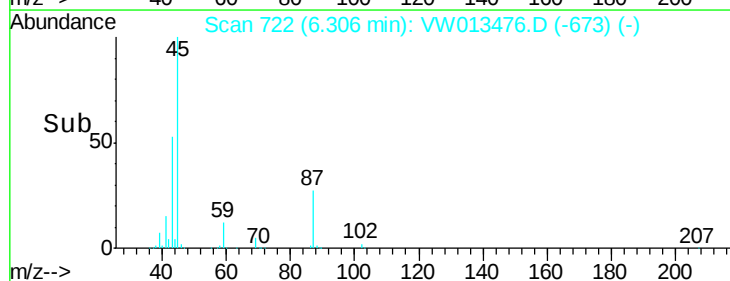
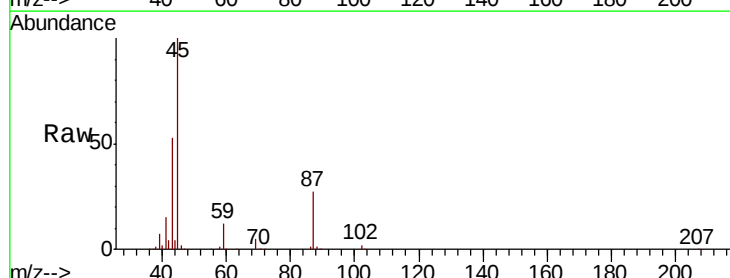
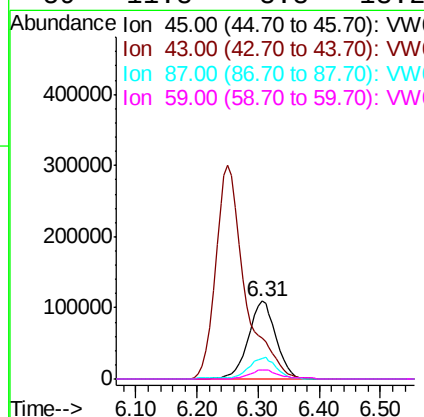
RT: 6.31 min Scan# 722

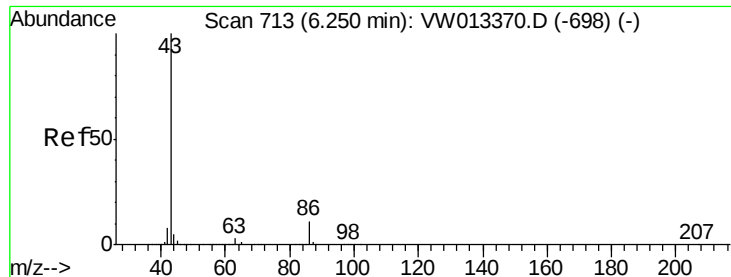
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	45	Resp:	345210
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.4	63.6
87	26.6	20.4	30.6
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 222.826 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 997454

Ion Ratio Lower Upper

43 100

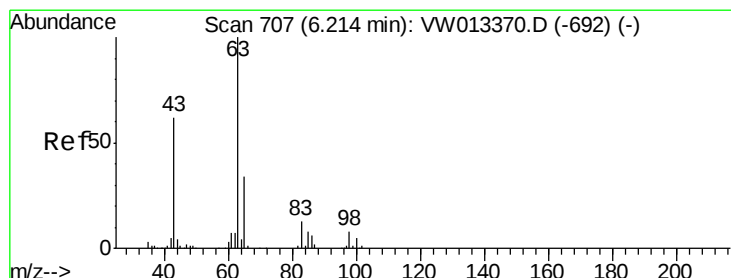
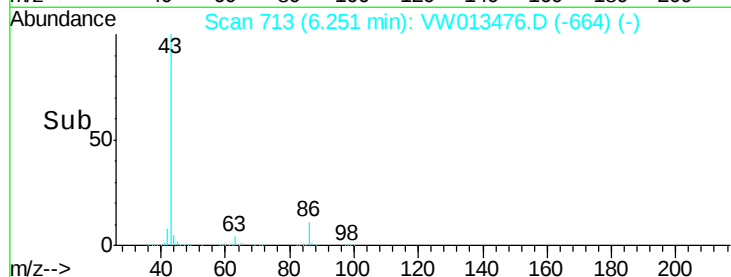
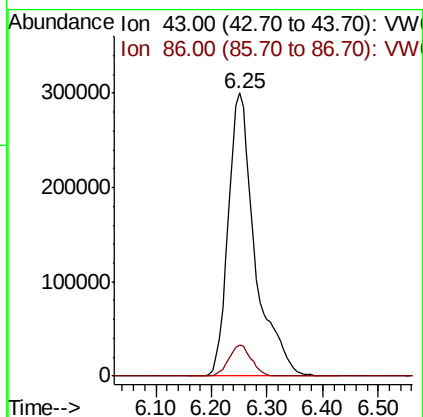
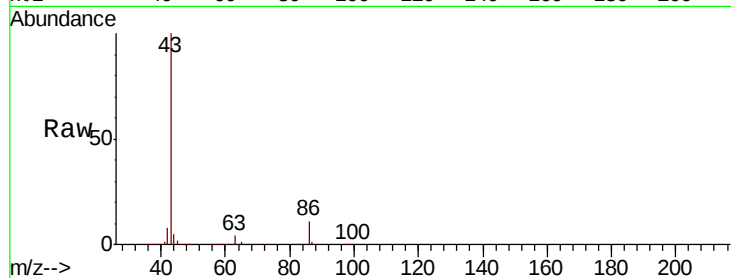
86 11.0 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.236 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

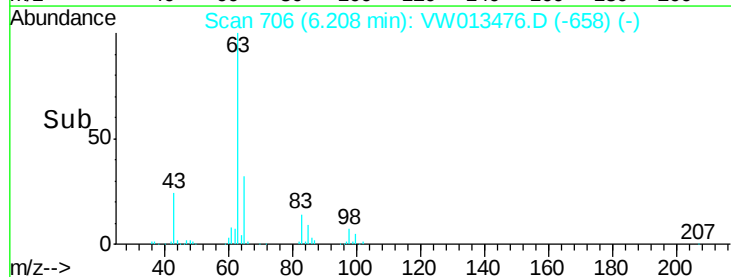
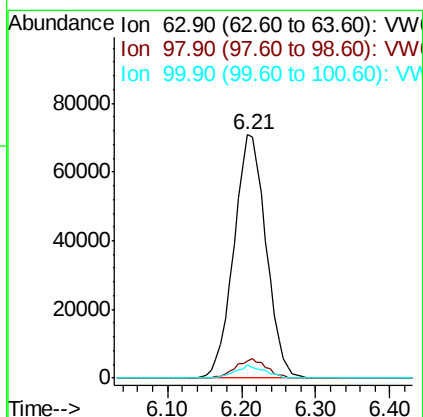
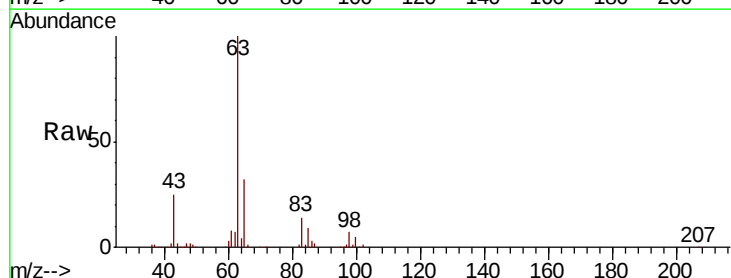
Tgt Ion: 63 Resp: 214634

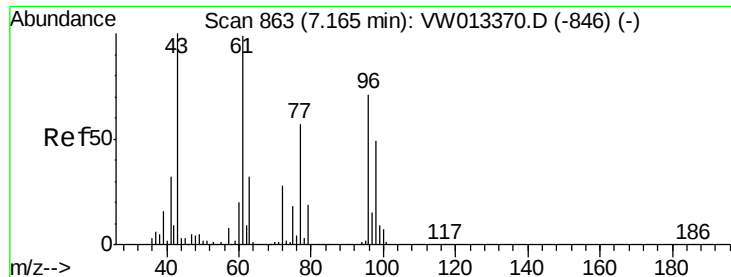
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 5.2 2.4 7.1





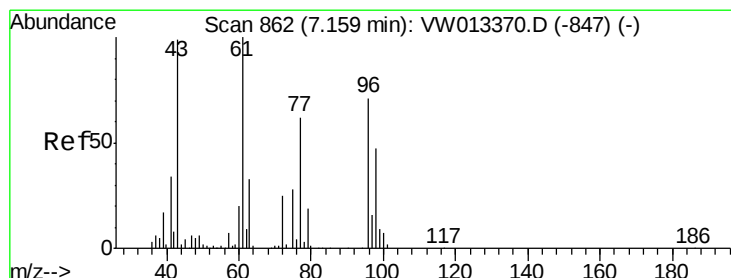
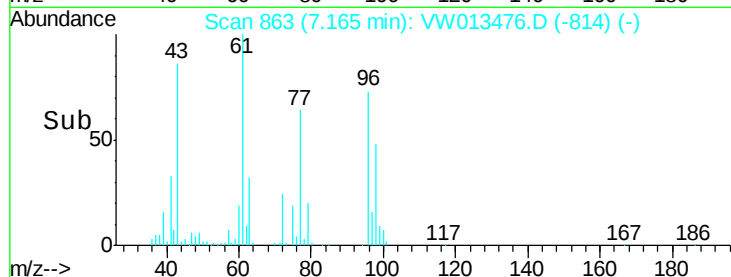
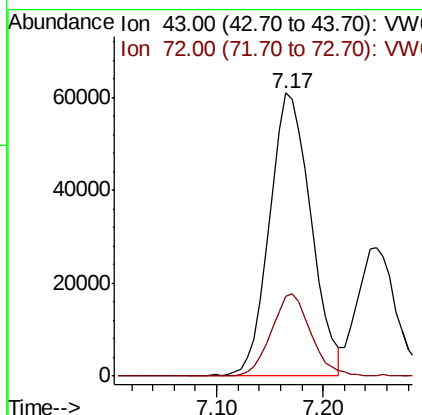
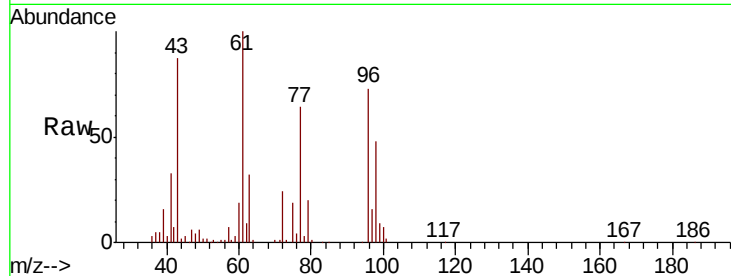
#25
2-Butanone
Concen: 198.112 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 164580
Ion Ratio Lower Upper
43 100
72 28.2 19.4 29.0

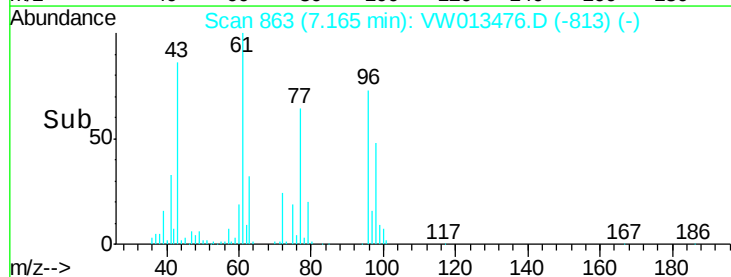
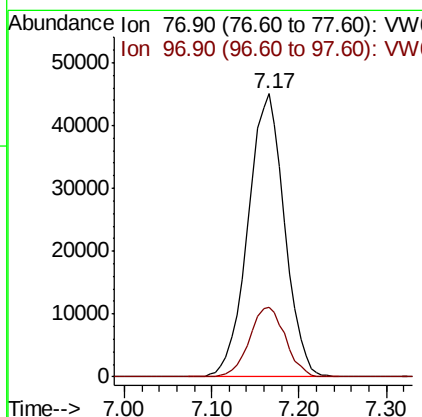
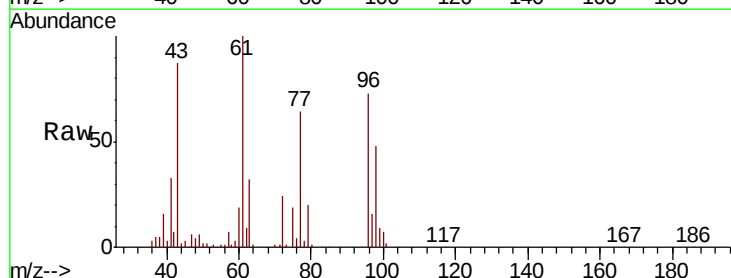
Manual Integrations
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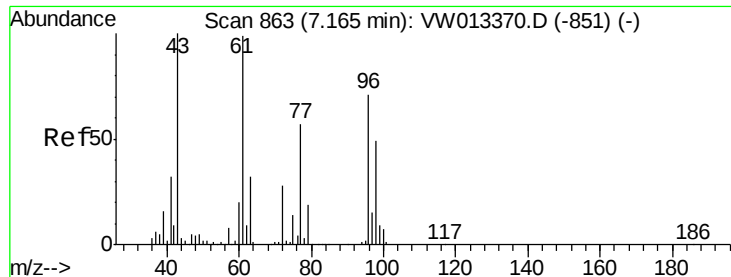
MMDadoda
10/8/2019 1:30:27 PM



#26
2,2-Dichloropropane
Concen: 49.853 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion: 77 Resp: 131075
Ion Ratio Lower Upper
77 100
97 24.1 11.8 35.4





#27

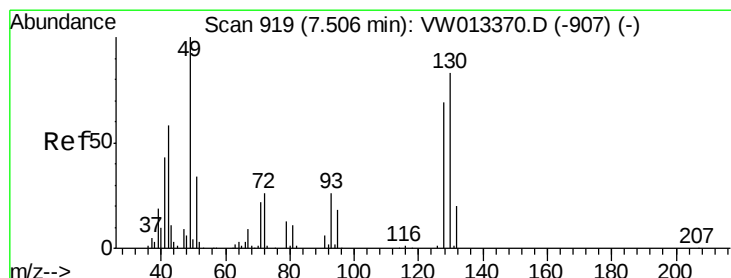
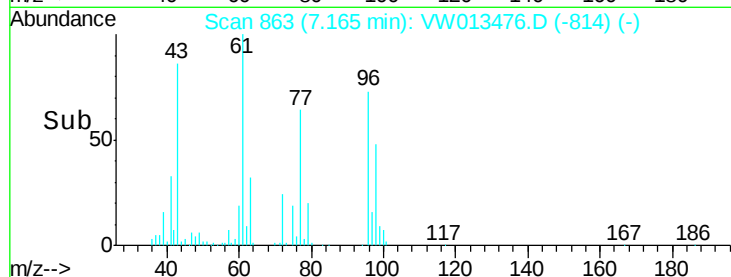
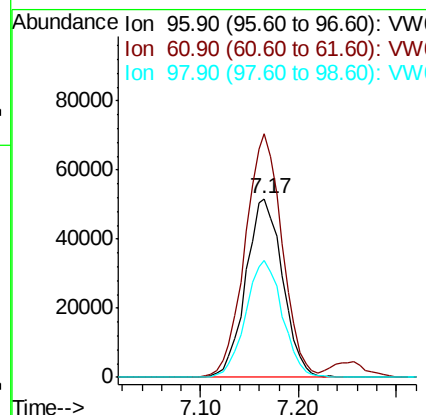
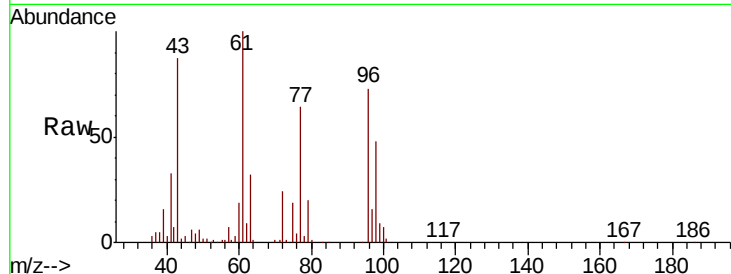
cis-1,2-Dichloroethene
Concen: 46.474 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135278		
61	137.2		0.0	282.4
98	65.4		0.0	128.2

Manual Integrations
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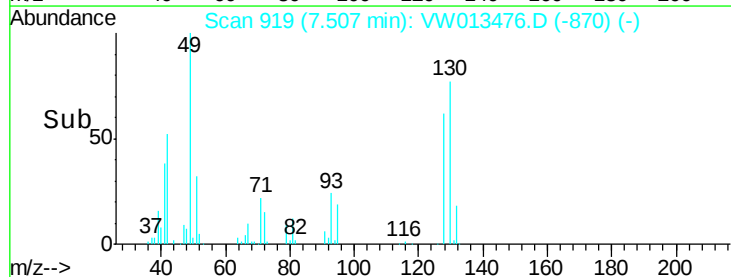
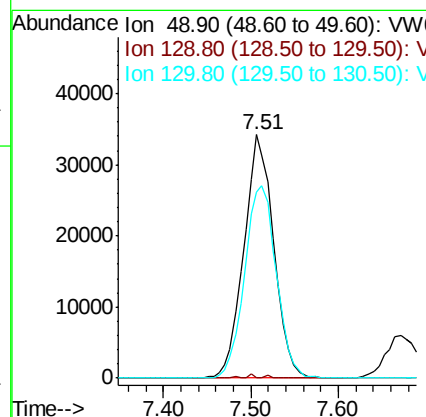
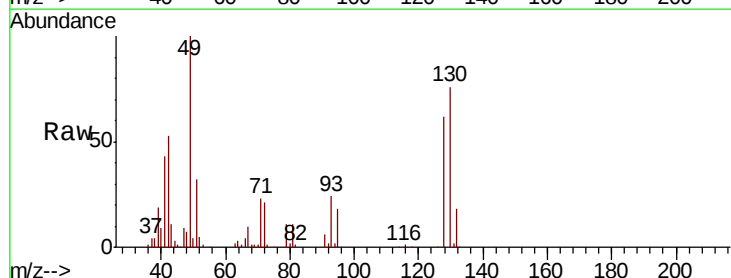
MMDadoda
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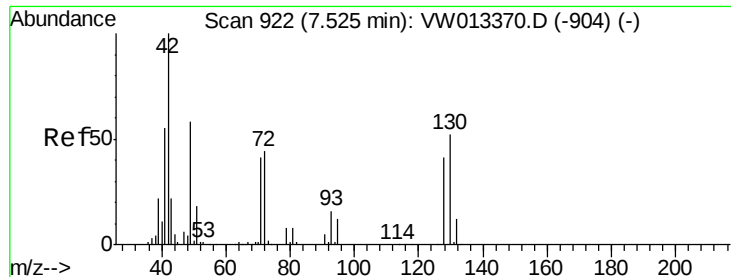


#28

Bromochloromethane
Concen: 49.300 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80993		
129	0.2		0.0	1.0
130	83.8		63.4	95.2





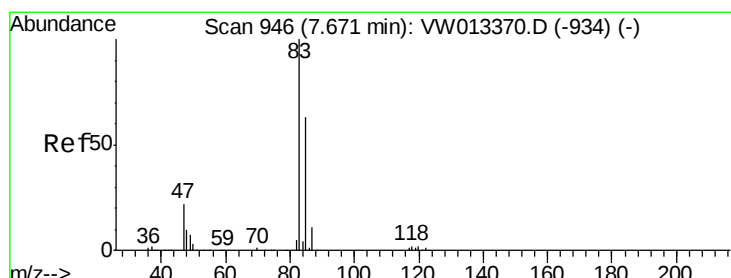
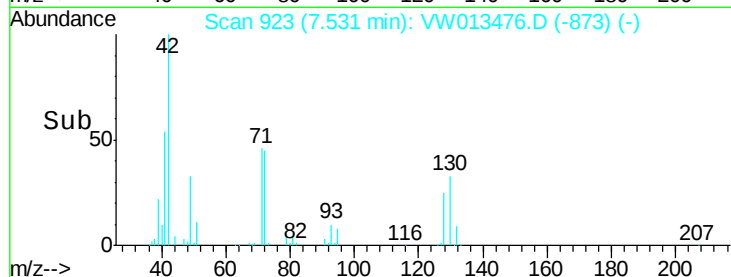
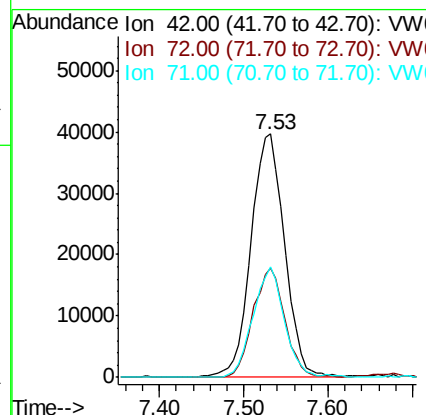
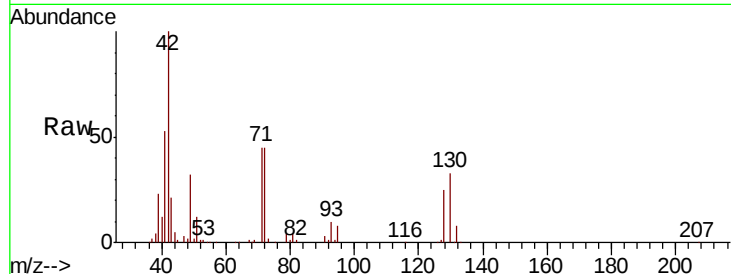
#29
Tetrahydrofuran
Concen: 223.259 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.9	50.9
71	41.8	31.9	47.9

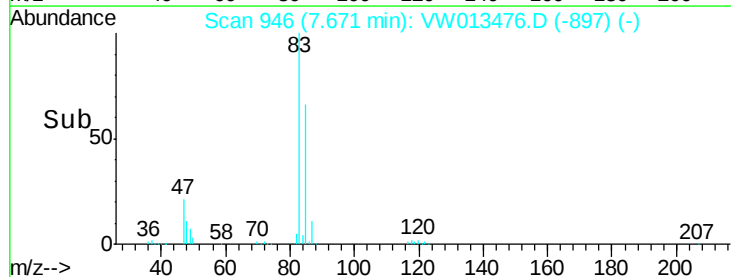
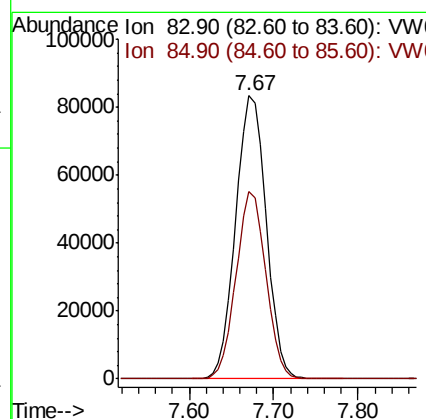
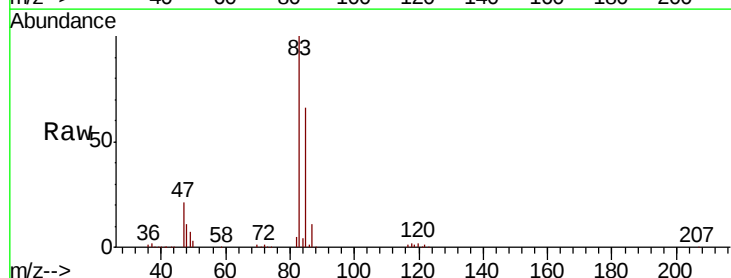
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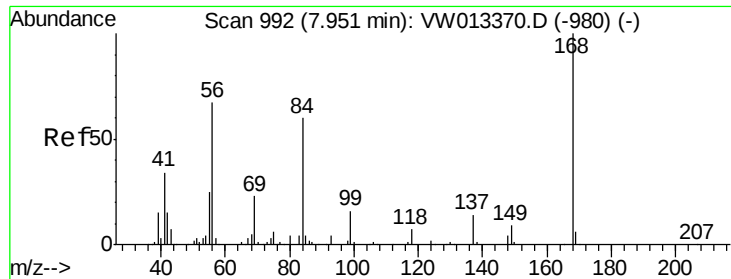
MMDadoda
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#30
Chloroform
Concen: 45.848 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5





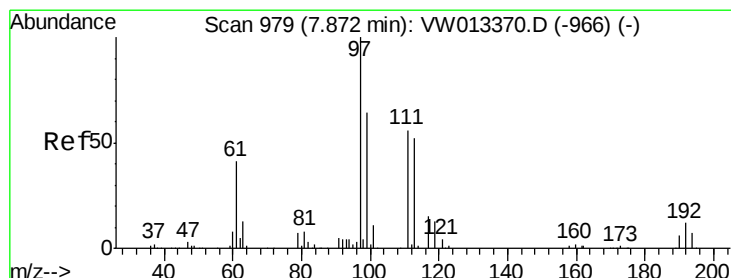
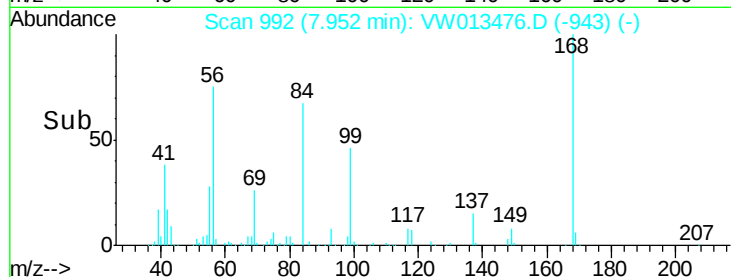
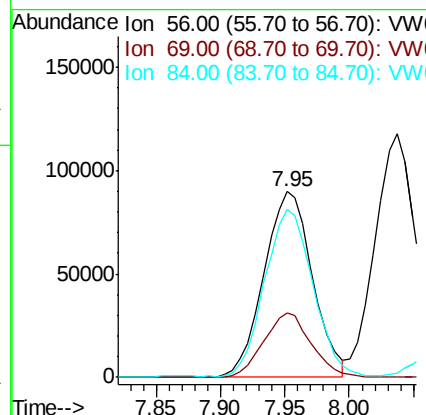
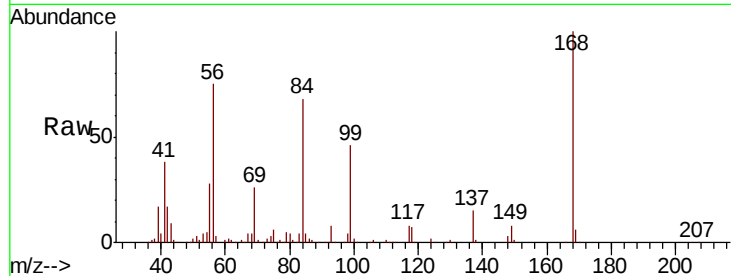
#31
Cyclohexane
Concen: 48.316 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.2	40.8
84	89.4	70.8	106.2

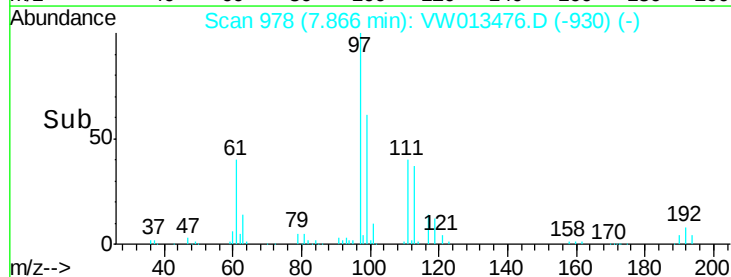
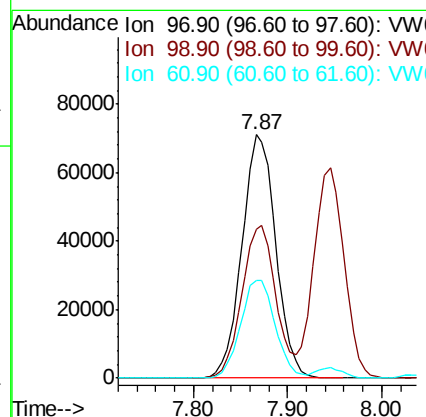
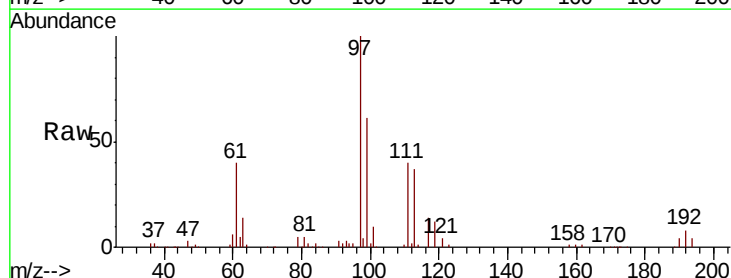
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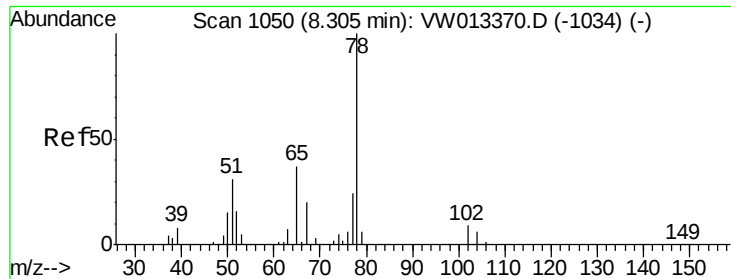
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.212 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	41.2	34.6	51.8





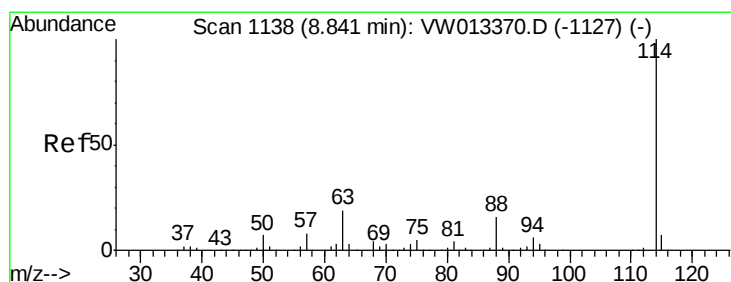
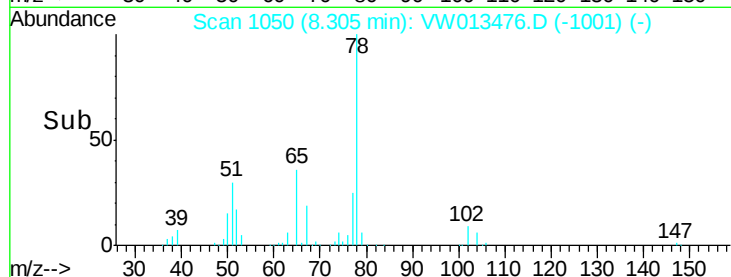
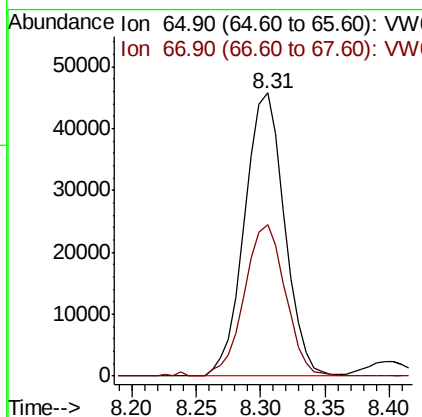
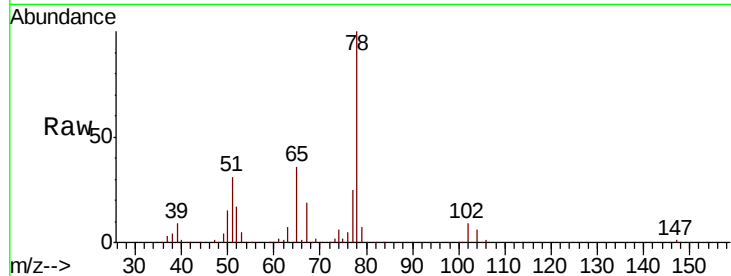
#33
 1,2-Dichloroethane-d4
 Concen: 46.397 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 98272
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 106.2

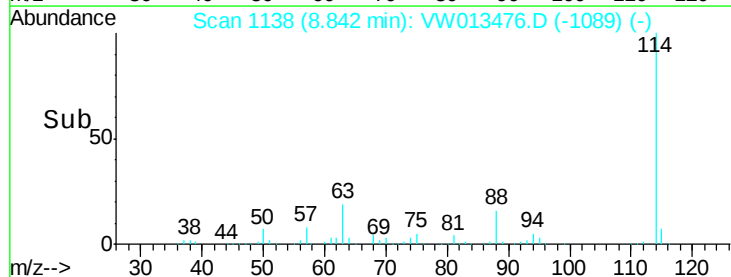
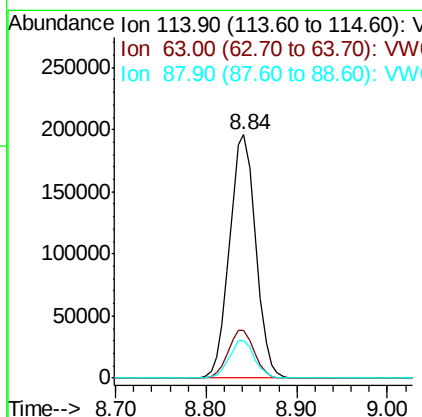
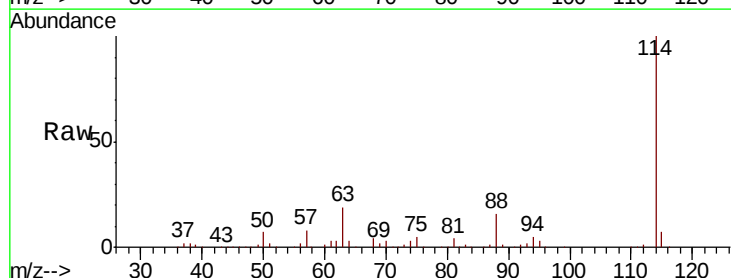
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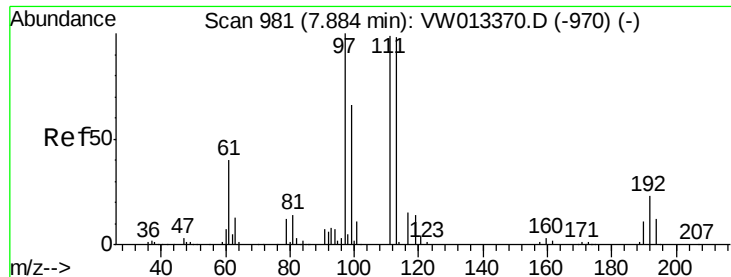
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion: 114 Resp: 393357
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.569 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

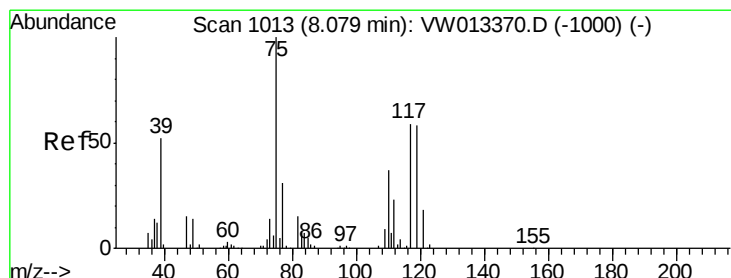
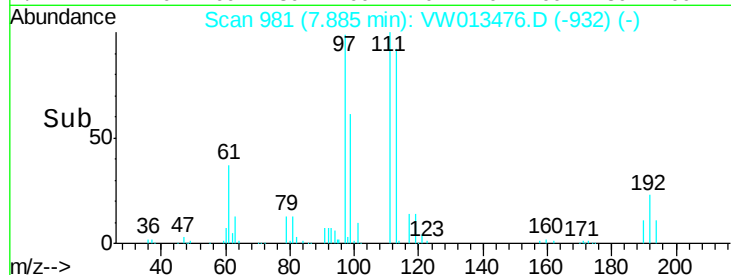
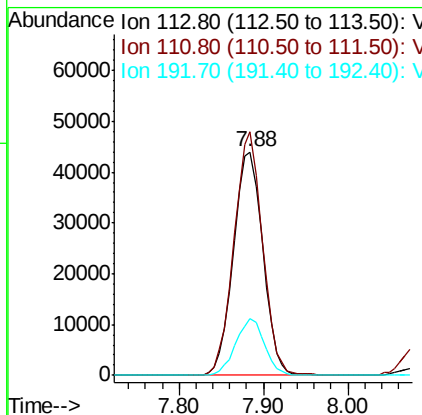
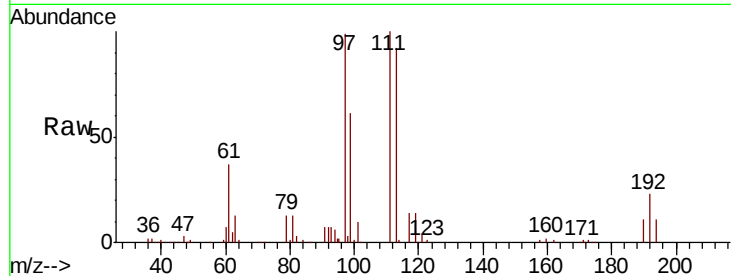
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	104377
Ion Ratio	Lower	Upper	
113	100		
111	104.6	81.9	122.9
192	24.4	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.417 ug/l

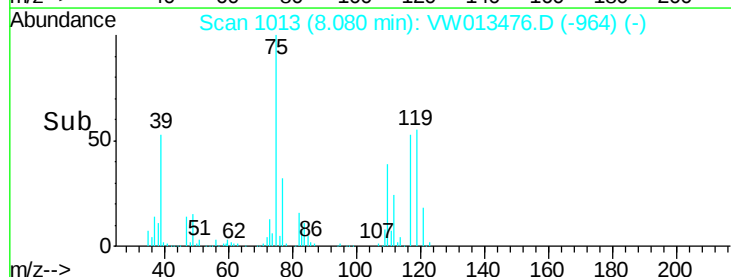
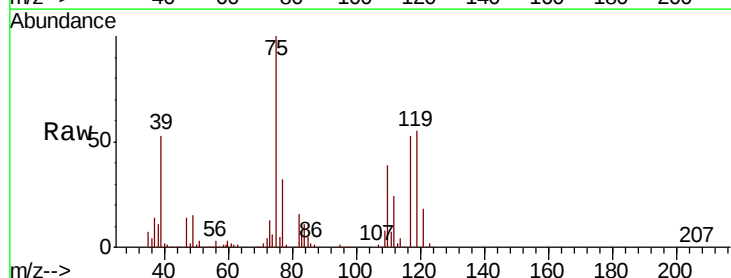
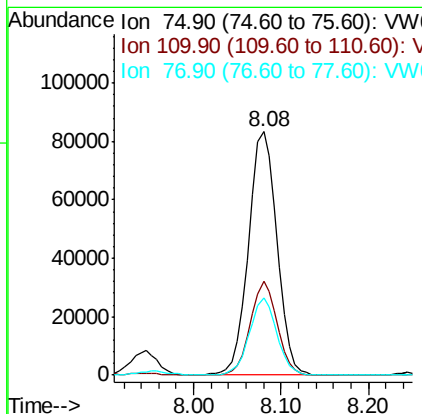
RT: 8.08 min Scan# 1013

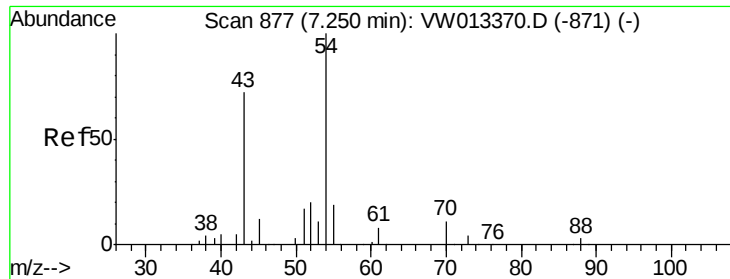
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	75	Resp:	187855
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.3
77	30.7	25.8	38.6





#37

Ethyl Acetate

Concen: 44.130 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

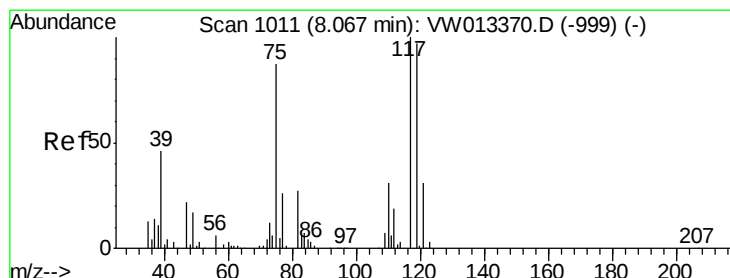
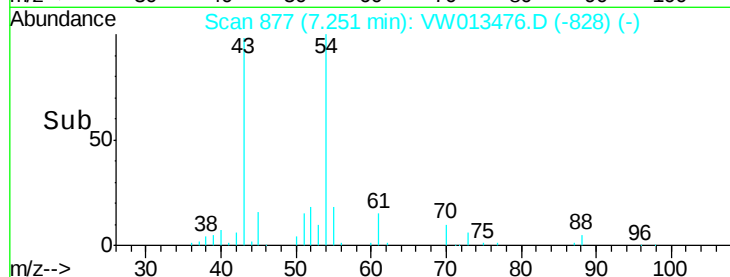
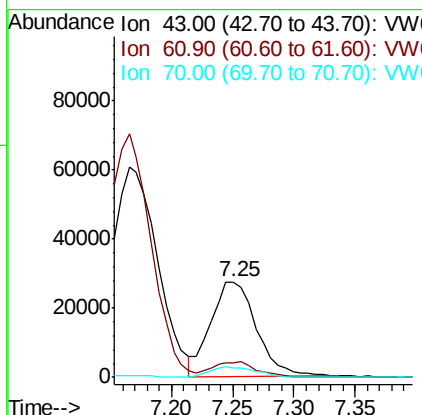
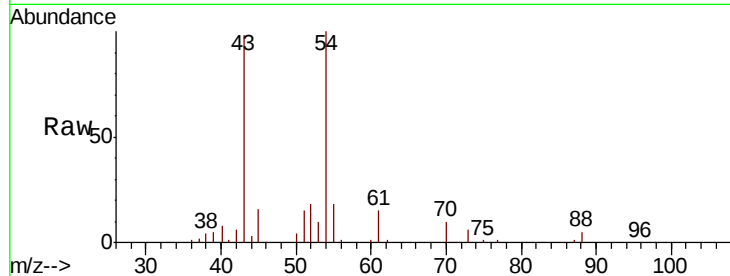
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	71130
Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.9	16.3
70	11.6	8.2	12.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.871 ug/l

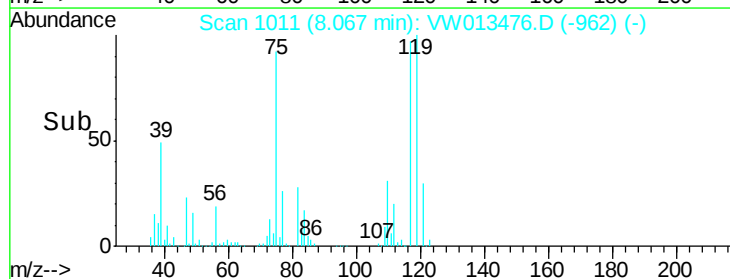
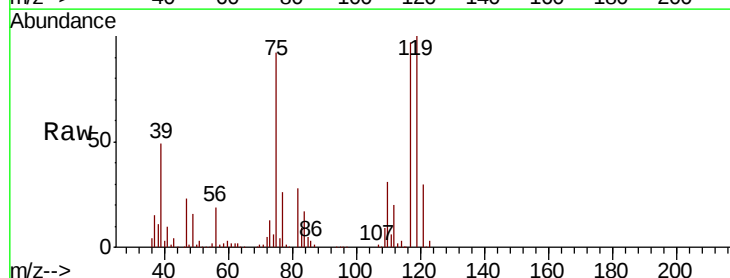
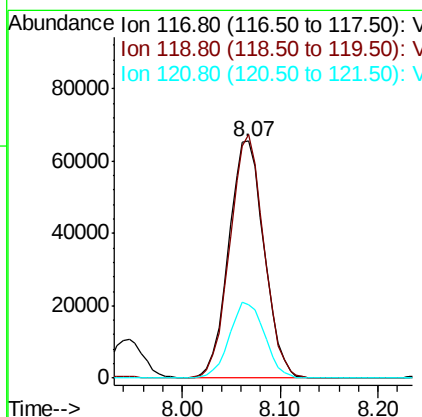
RT: 8.07 min Scan# 1011

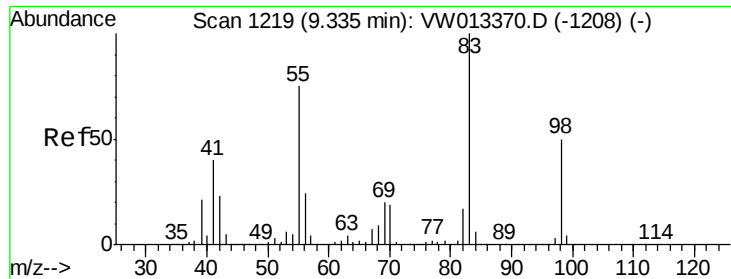
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	117	Resp:	164163
Ion	Ratio	Lower	Upper
117	100		
119	102.7	73.5	110.3
121	31.0	25.0	37.6





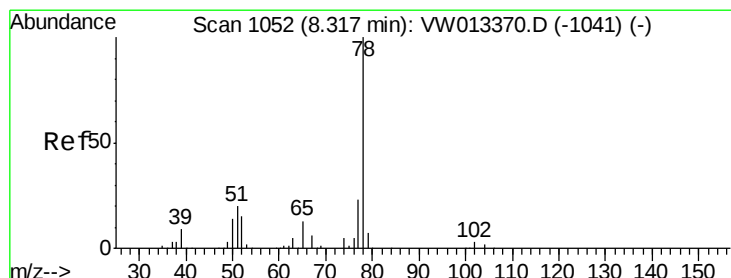
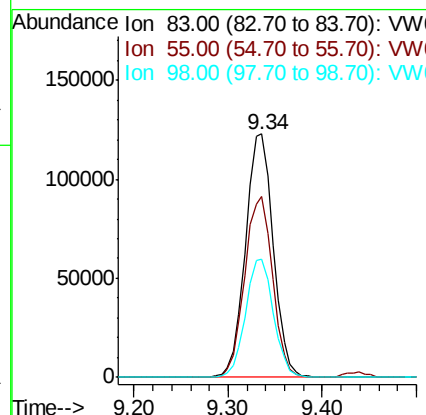
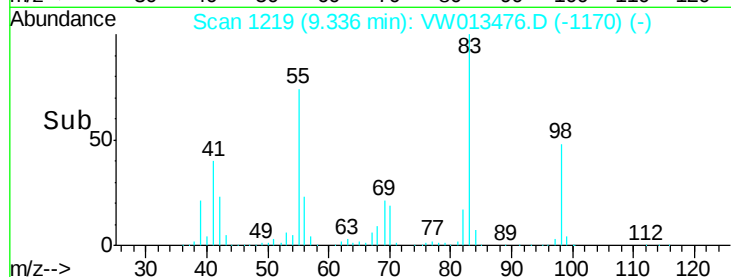
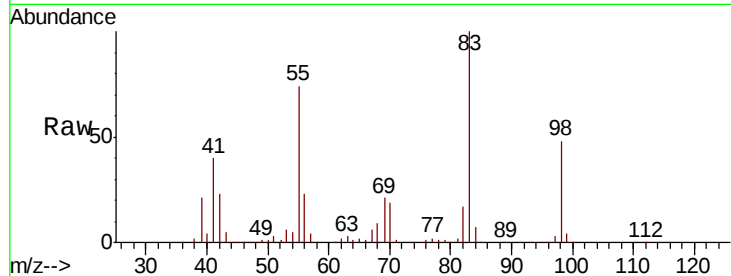
#39
Methvlcvclohexane
Concen: 52.852 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.4	90.6
98	48.4	40.0	60.0

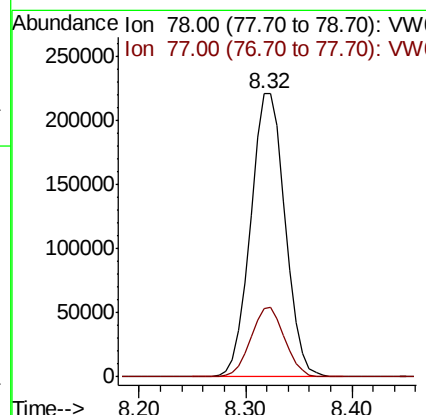
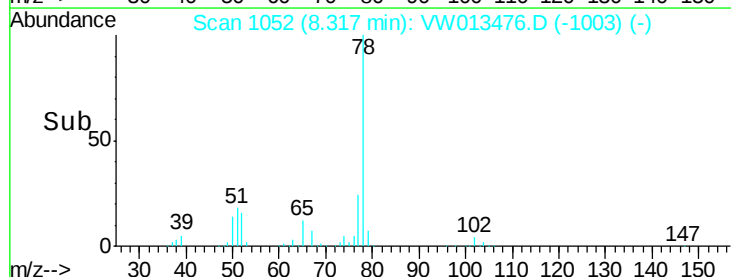
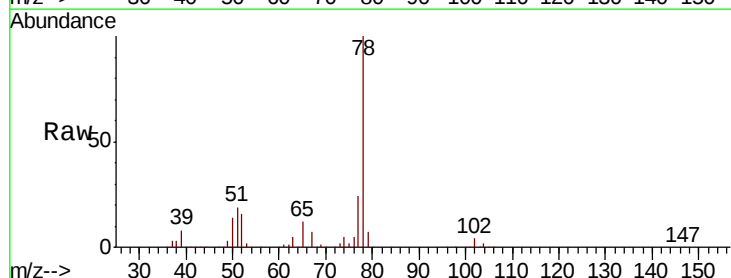
Manual Integrations
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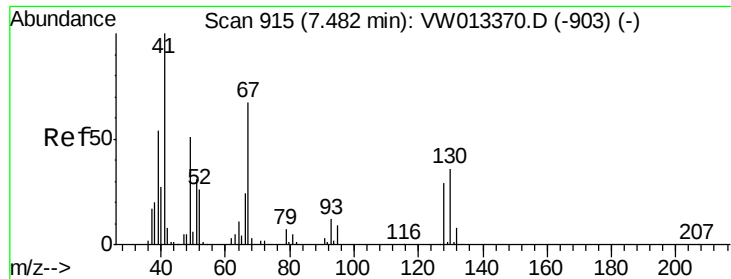
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#40
Benzene
Concen: 48.572 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





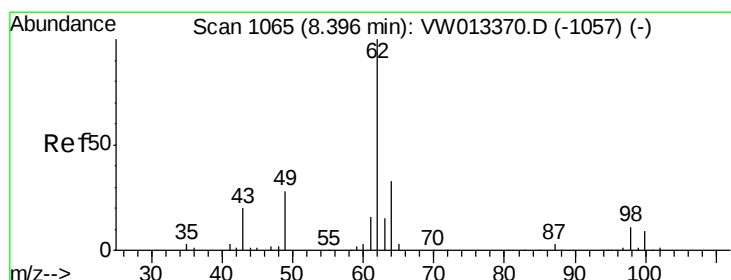
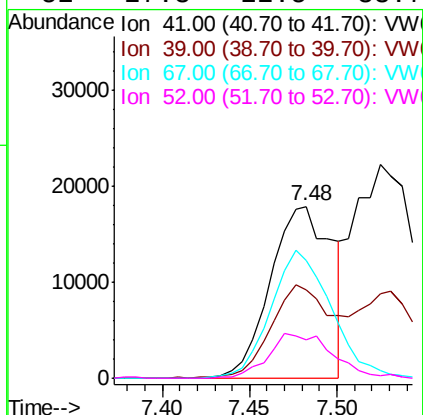
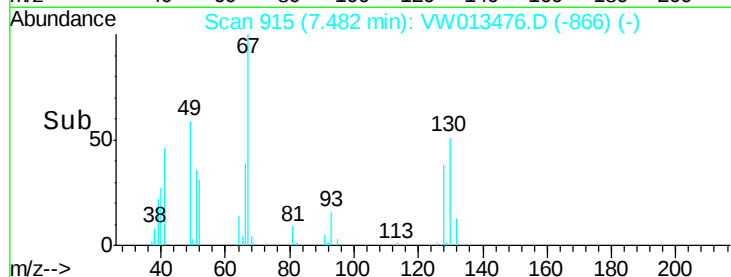
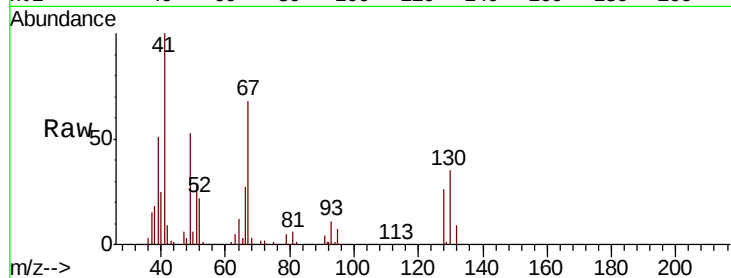
#41
Methacrylonitrile
Concen: 45.333 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	45.9	68.9	
67	73.3	54.5	81.7	
52	27.3	22.5	33.7	

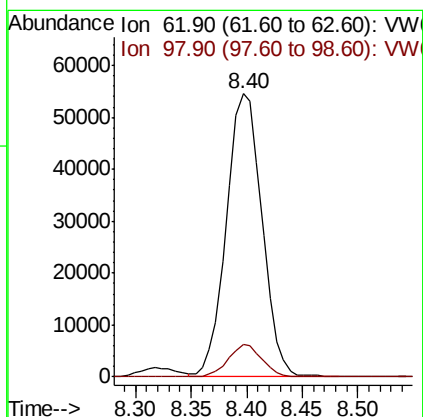
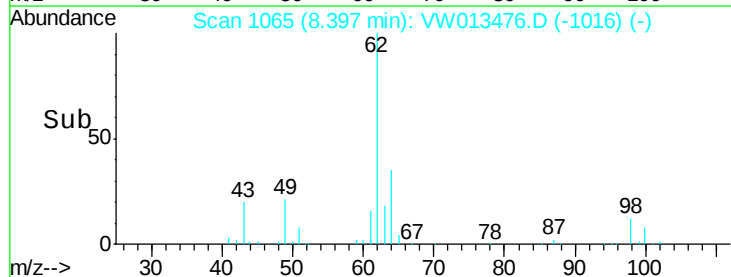
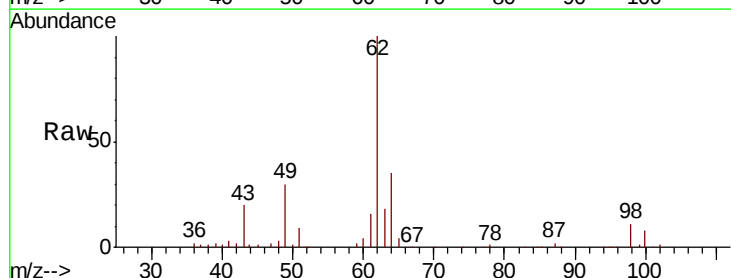
Manual Integrations
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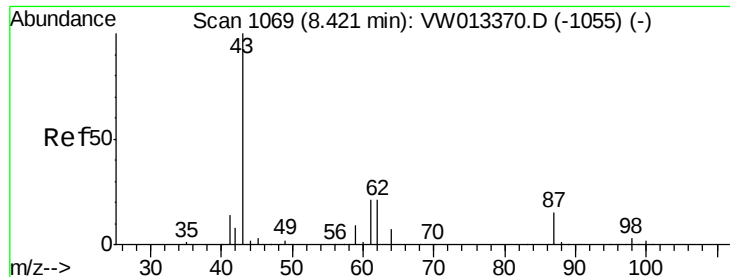
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.673 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.6	





#43

Isopropyl Acetate

Concen: 46.203 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

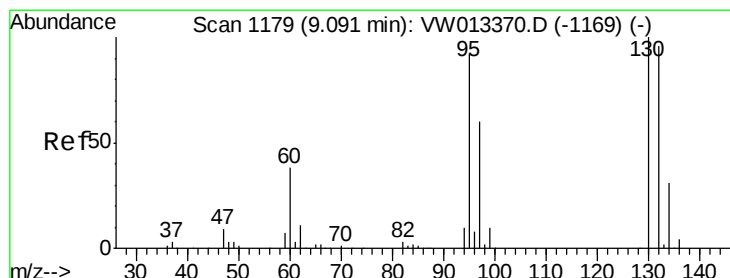
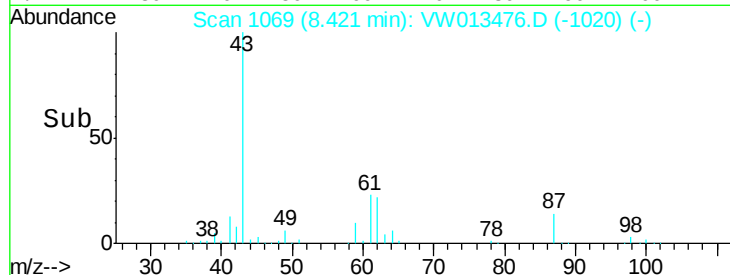
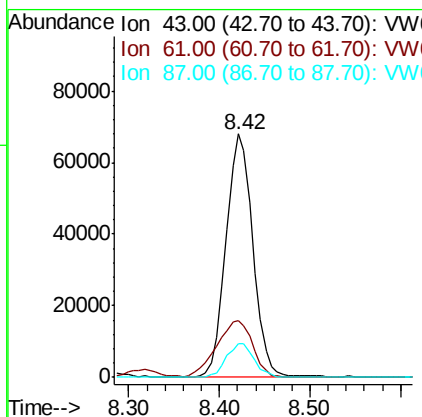
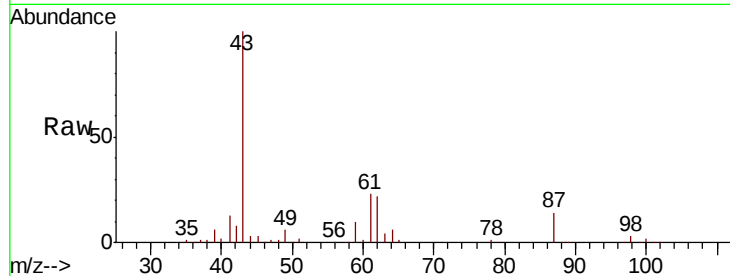
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	140218
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.5	38.3
87	14.3	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 50.237 ug/l

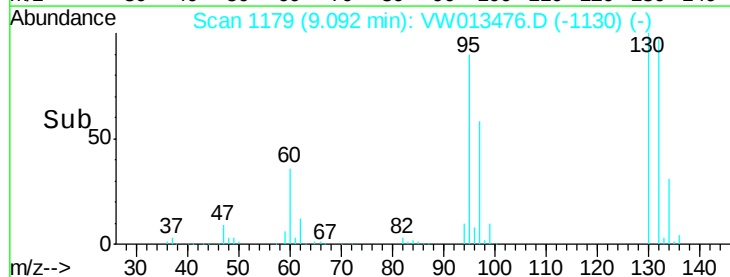
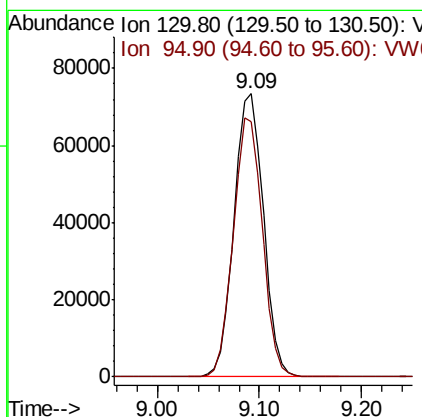
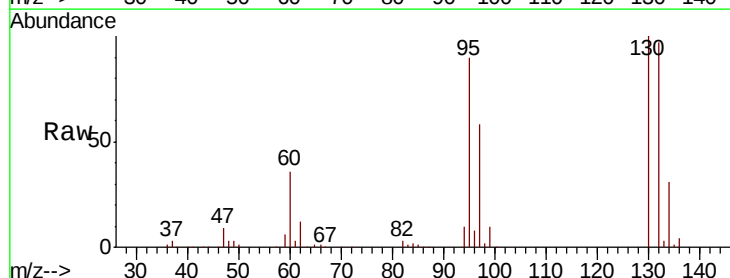
RT: 9.09 min Scan# 1179

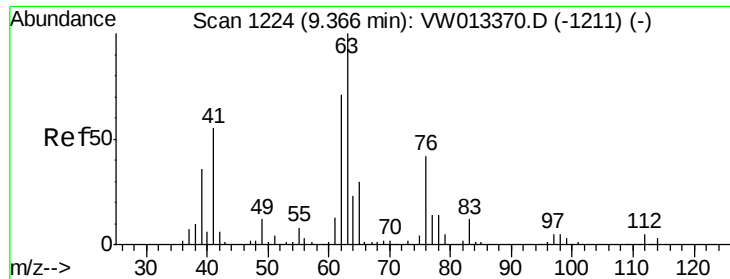
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	130	Resp:	146311
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 47.317 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 117498

Ion Ratio Lower Upper

63 100

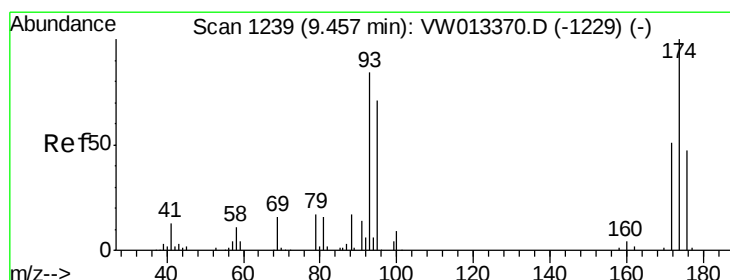
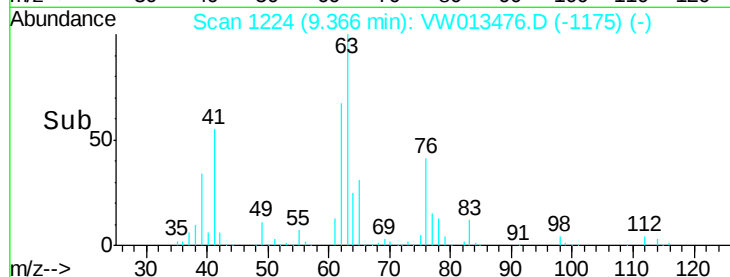
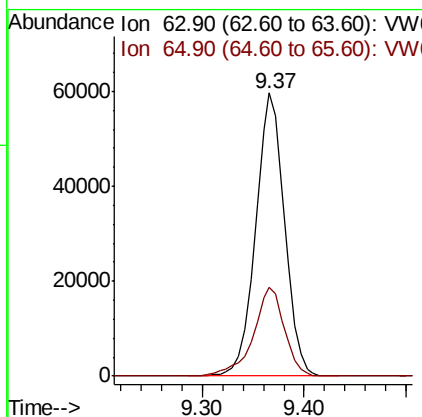
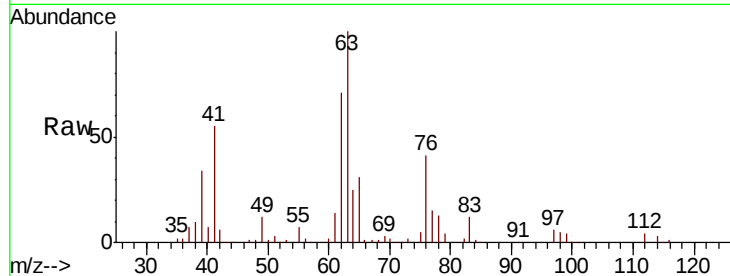
65 31.3 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 45.482 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

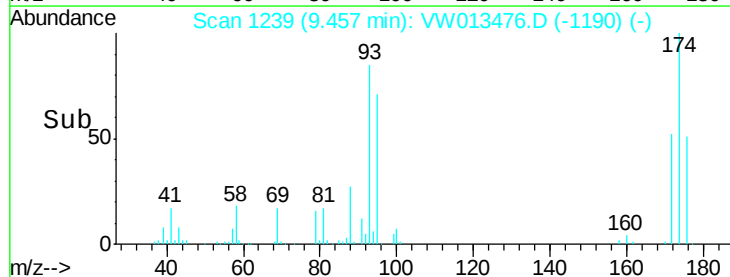
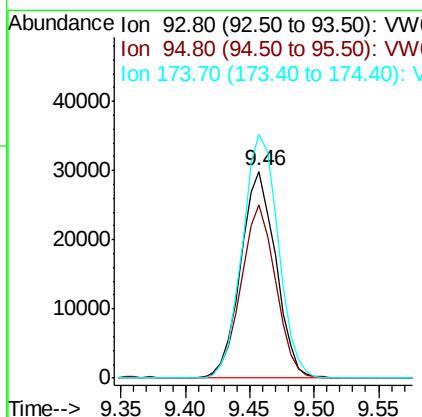
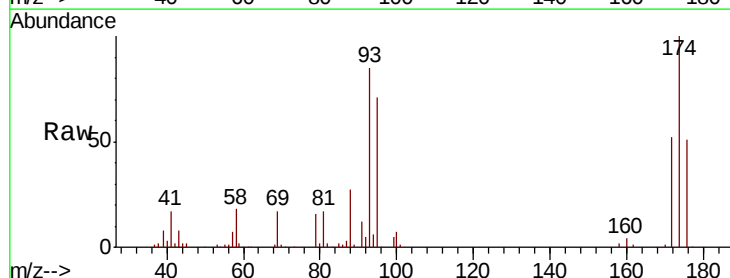
Tgt Ion: 93 Resp: 56254

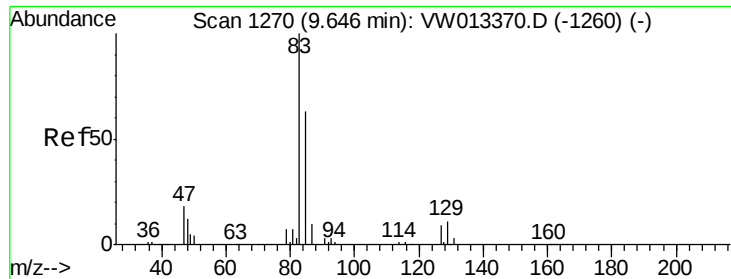
Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 120.7 93.0 139.6





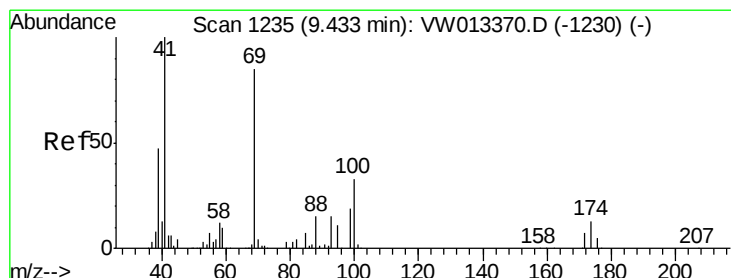
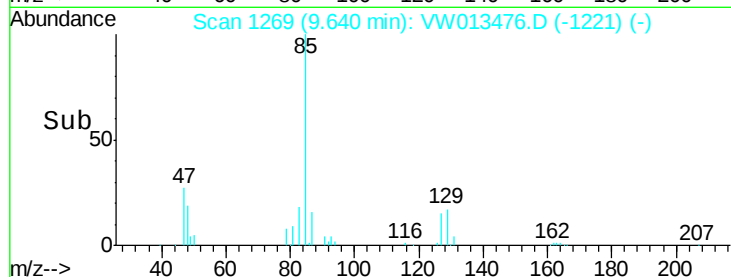
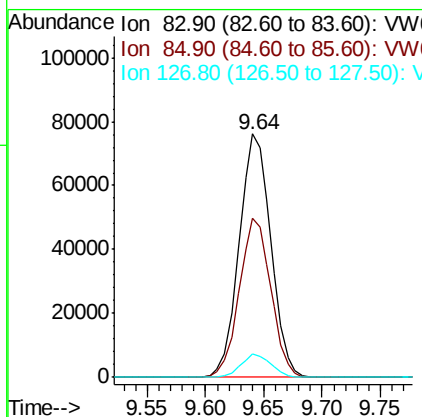
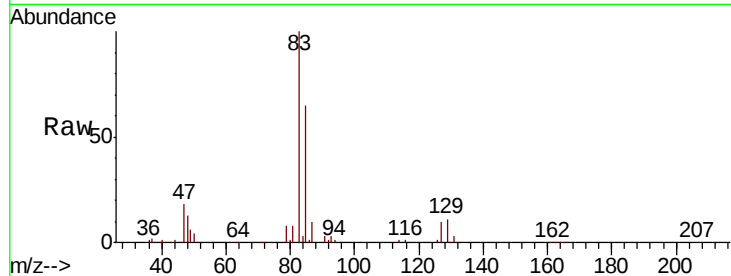
#47
 Bromodichloromethane
 Concen: 47.526 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	49.4	74.2	
127	9.7	6.5	9.7	

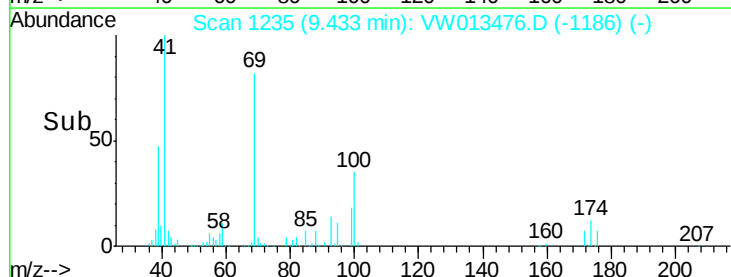
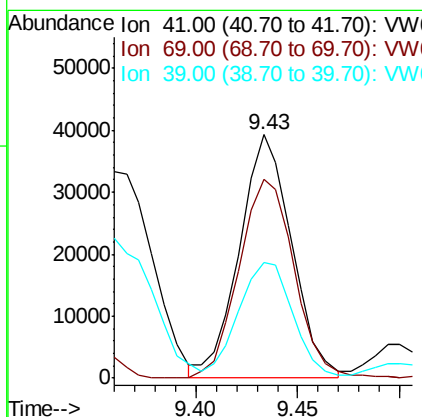
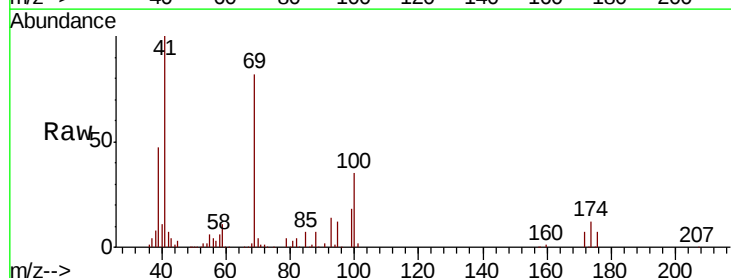
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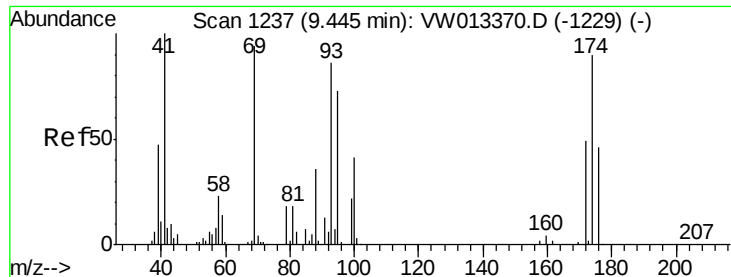
MMDadoda
 10/8/2019 1:30:27 PM



#48
 Methyl methacrylate
 Concen: 47.721 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.9	69.7	104.5	
39	47.3	41.1	61.7	





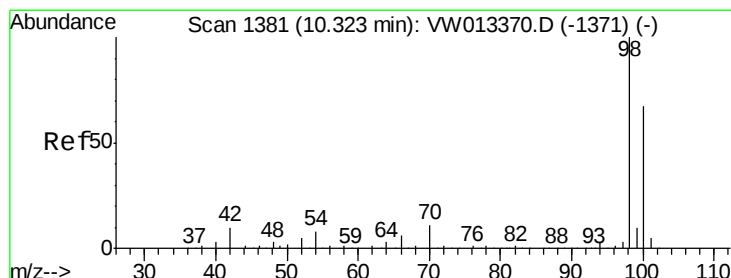
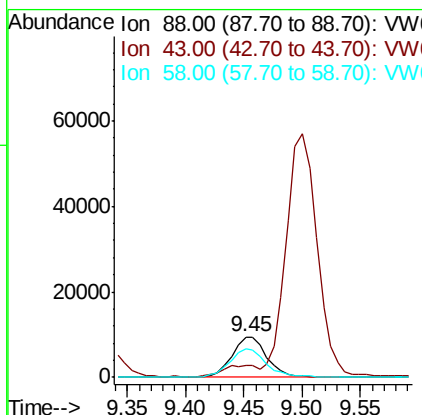
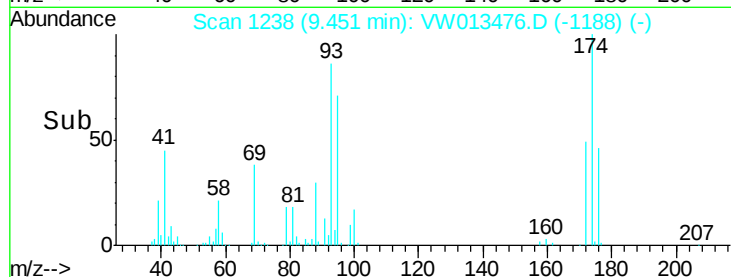
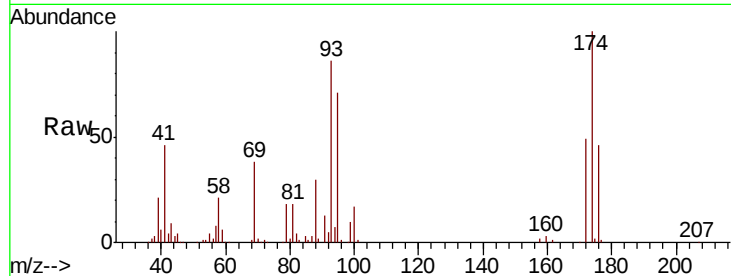
#49
1,4-Dioxane
Concen: 1039.422 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	19810		
43	27.7	0.0	0.0	0.0
58	74.0	65.4	98.0	

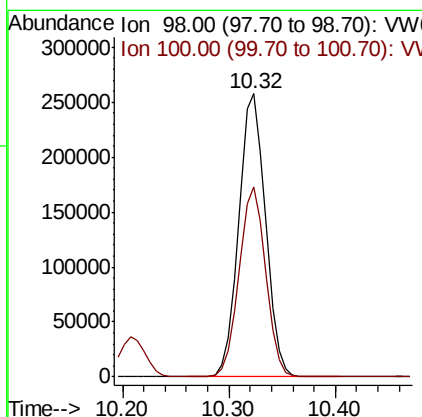
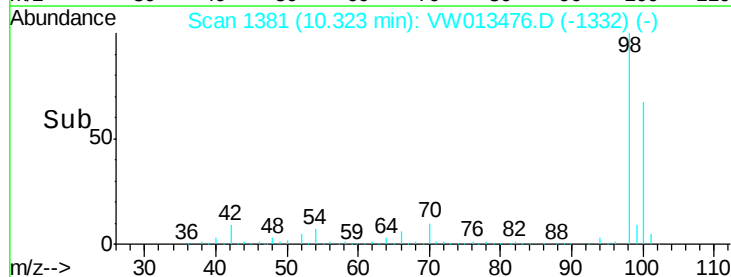
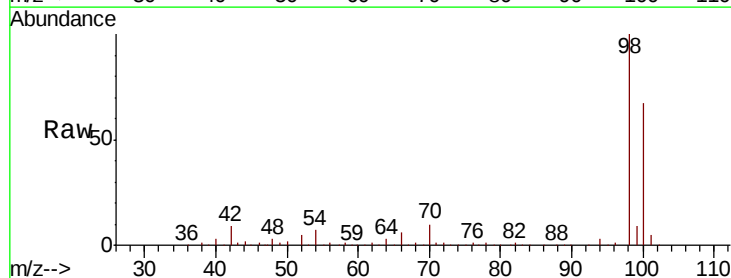
Manual Integrations
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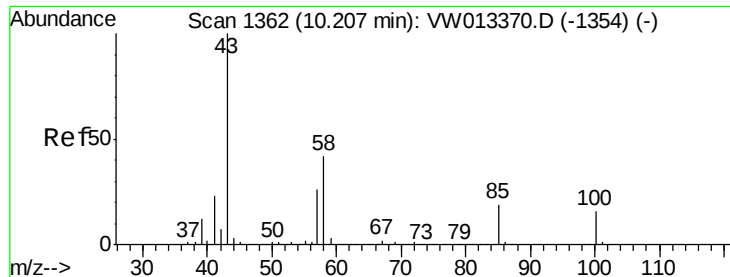
MMDadoda
10/8/2019 1:30:27 PM



#50
Toluene-d8
Concen: 53.220 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	455846		
100	66.6	52.9	79.3	





#51

4-Methyl-2-Pentanone

Concen: 225.232 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 359126

Ion Ratio Lower Upper

43 100

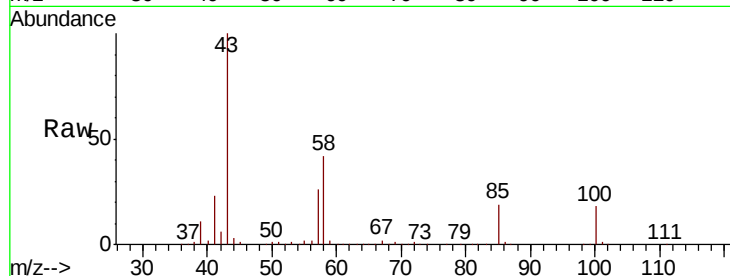
58 40.7 31.7 47.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

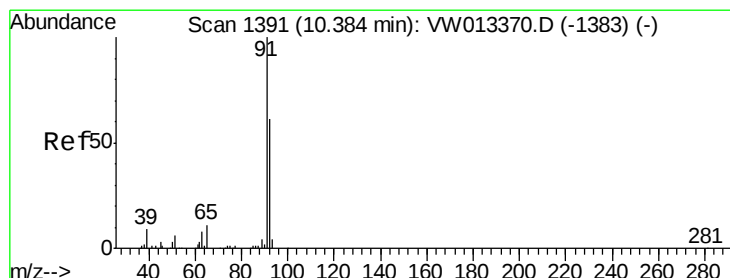
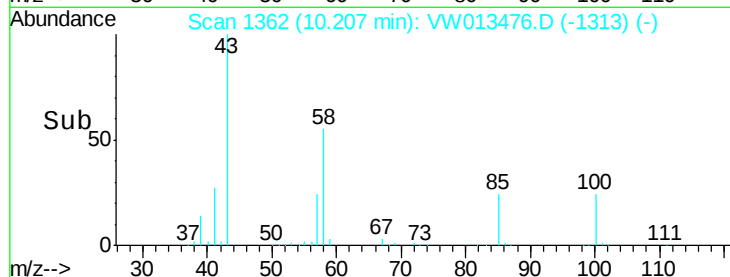
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.072 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013476.D

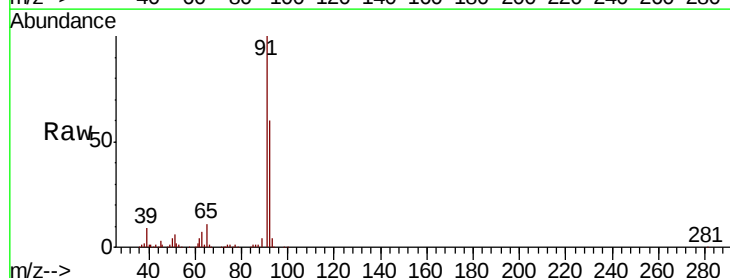
Acq: 07 Oct 2019 20:46

Tgt Ion: 92 Resp: 327348

Ion Ratio Lower Upper

92 100

91 170.1 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

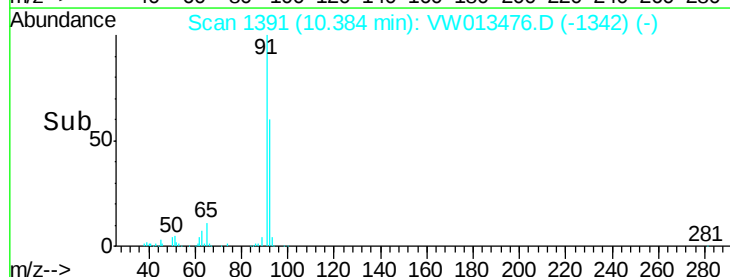
300000

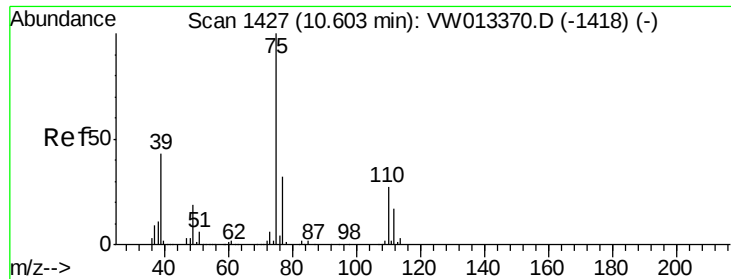
200000

100000

0

Time-->





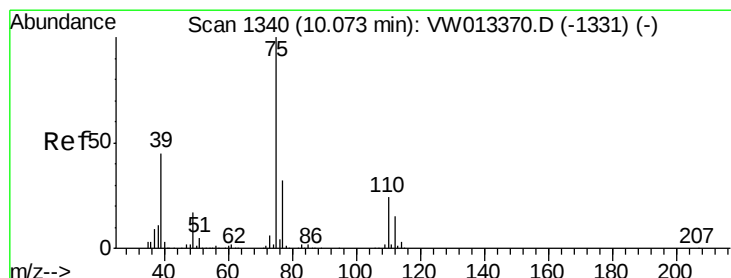
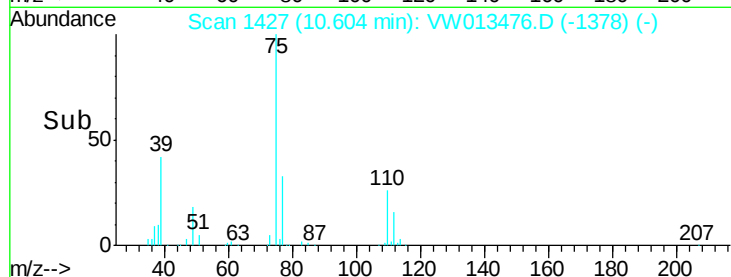
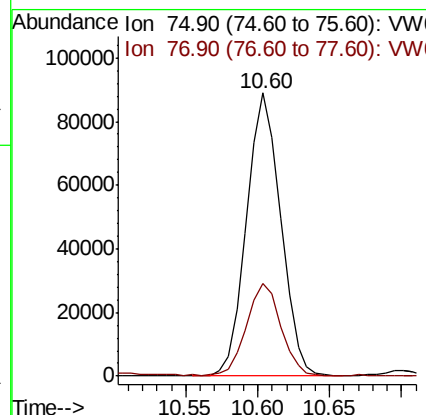
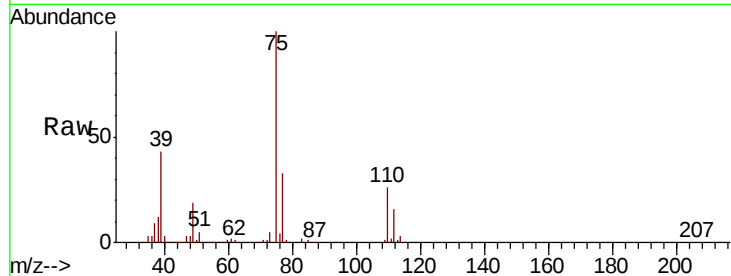
#53
 t-1,3-Dichloropropene
 Concen: 46.296 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 146623
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3

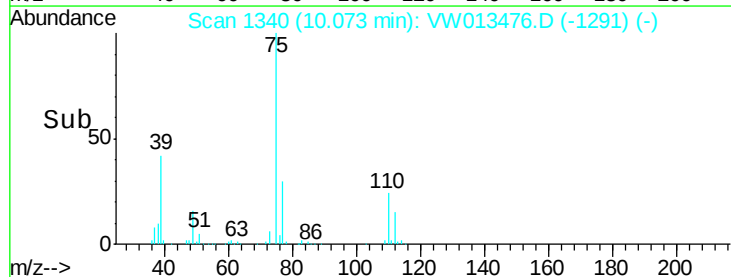
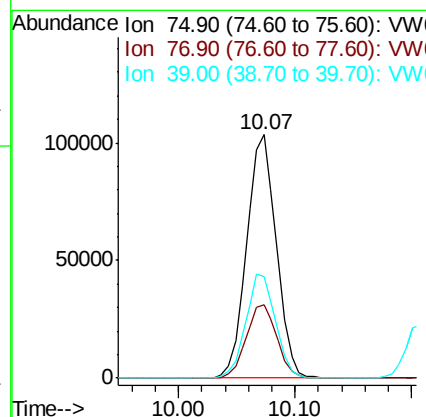
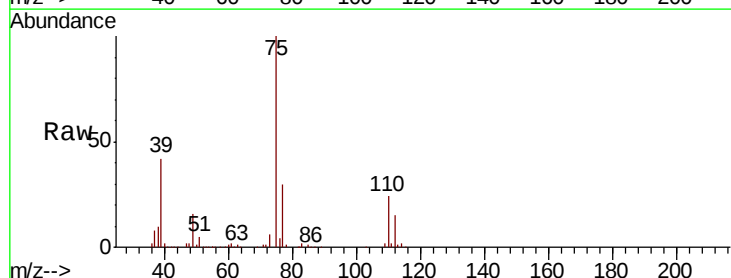
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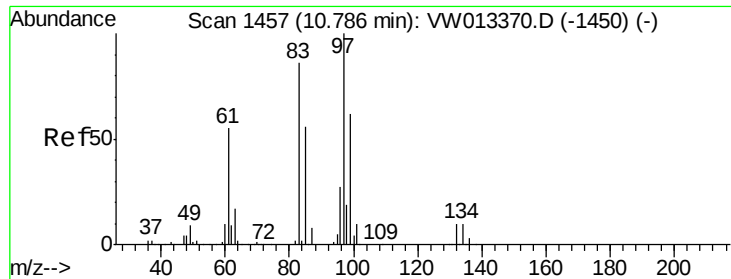
MMDadoda
 10/8/2019 1:30:27 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.907 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion: 75 Resp: 183958
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.2 37.8
 39 41.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 46.578 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

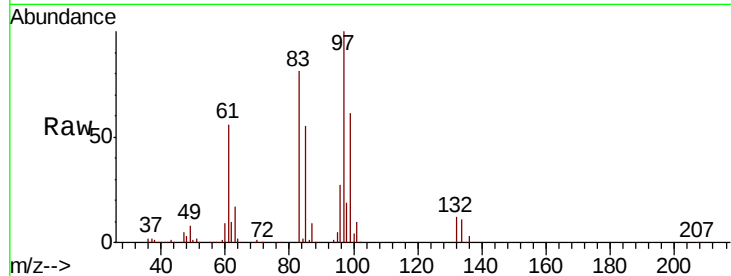
ClientSampleId :

VSTDCCC050EC

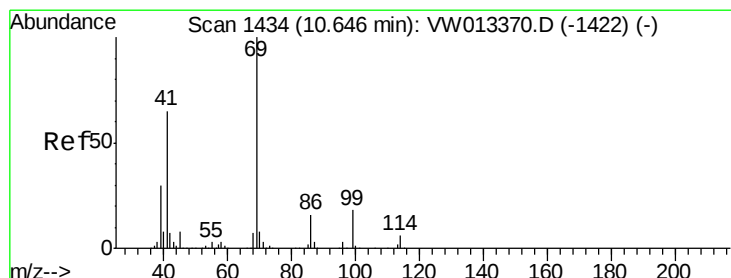
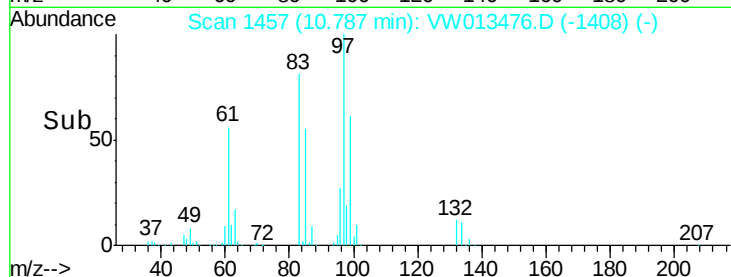
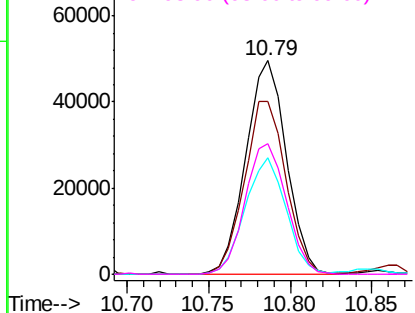
Tot Ion:	97	Resp:	85940
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.6	101.4
85	54.6	41.9	62.9
99	61.4	50.1	75.1

Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 47.346 ug/l

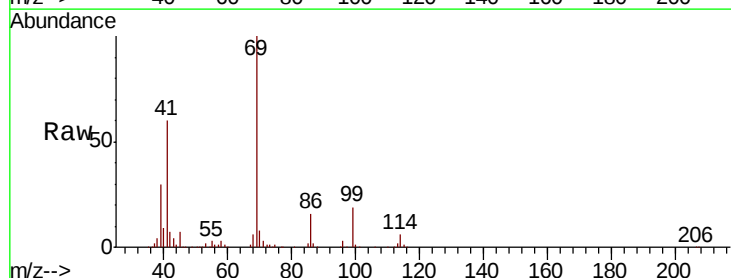
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

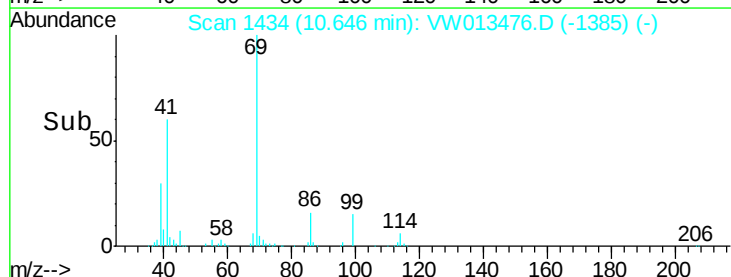
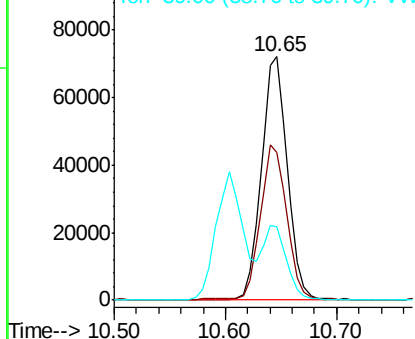
Lab File: VW013476.D

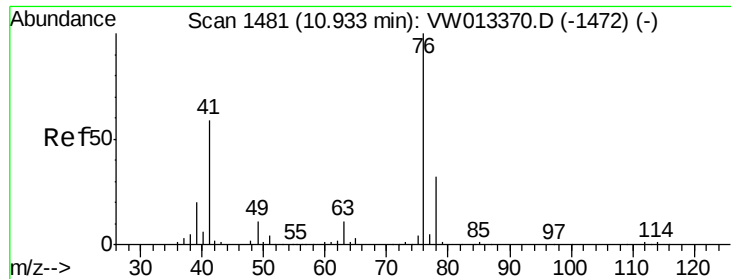
Acq: 07 Oct 2019 20:46

Tgt Ion:	69	Resp:	117583
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.9	80.9
39	27.6	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





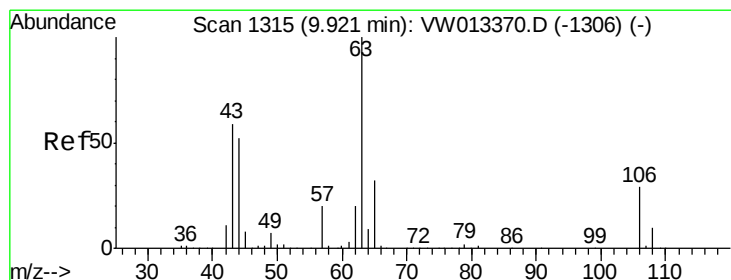
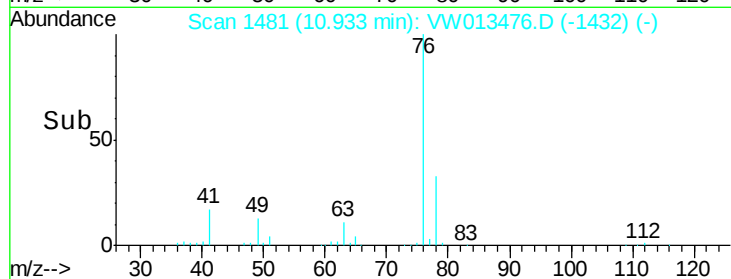
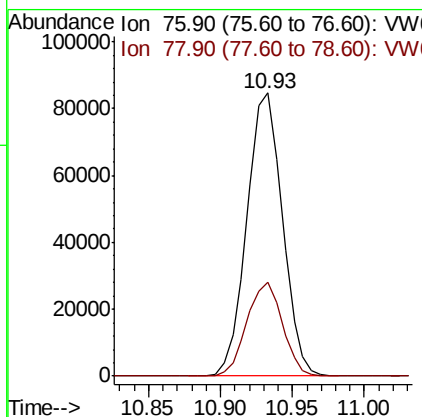
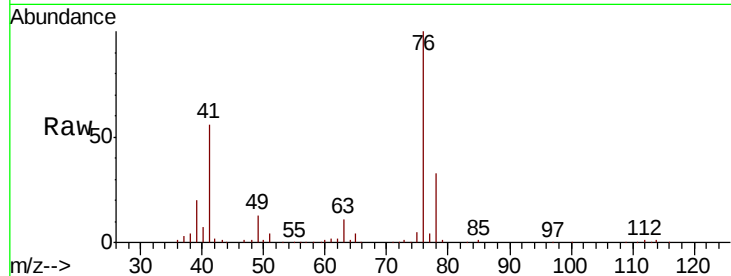
#57
 1,3-Dichloropropane
 Concen: 45.183 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

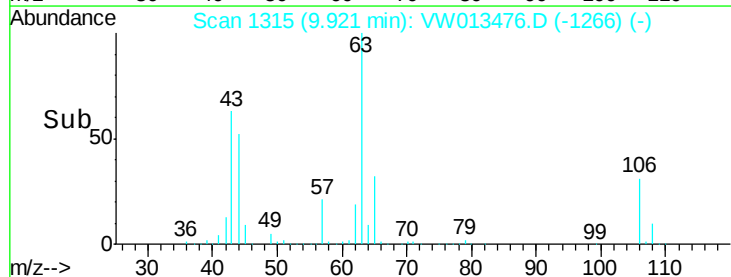
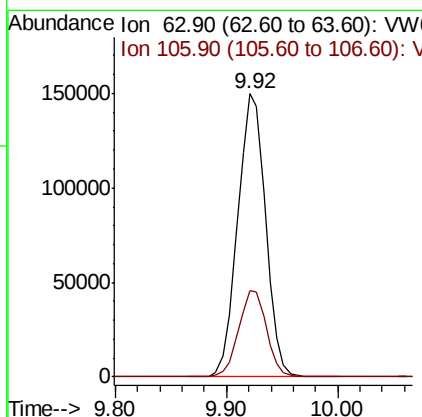
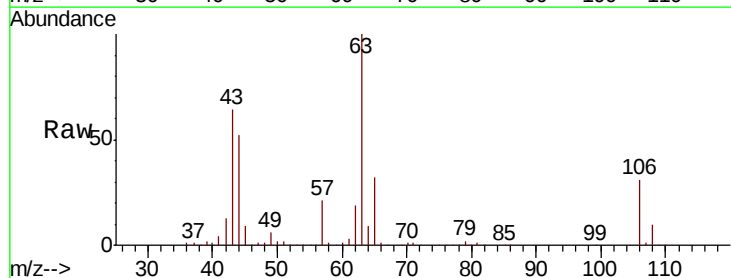
Manual Integrations
 APPROVED

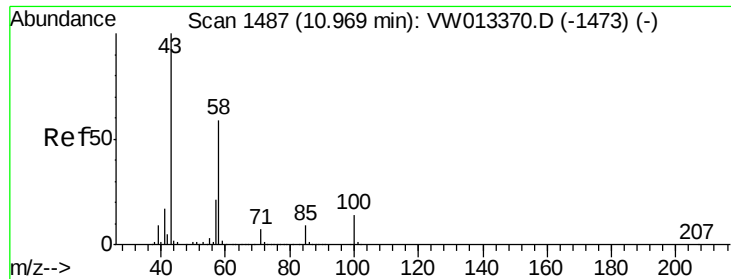
MMDadoda
 10/8/2019 1:30:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.563 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.4	35.0





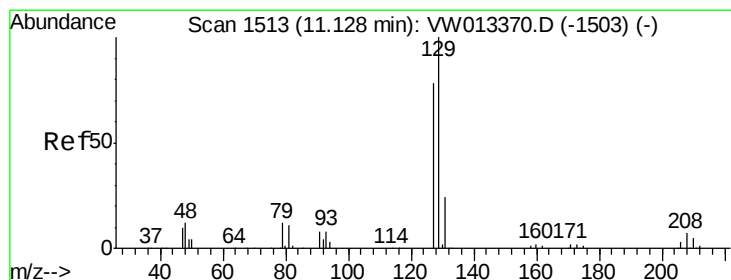
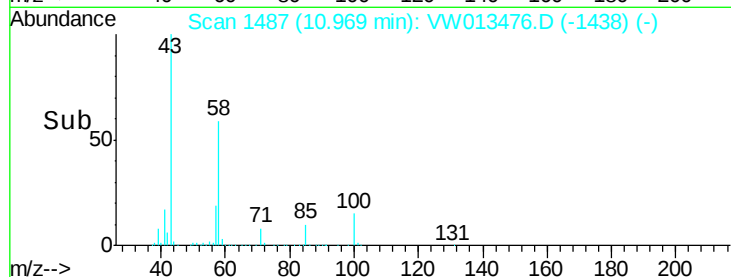
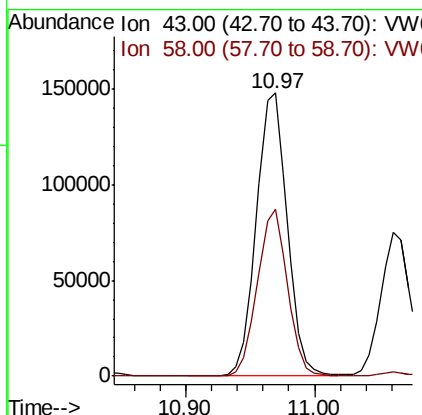
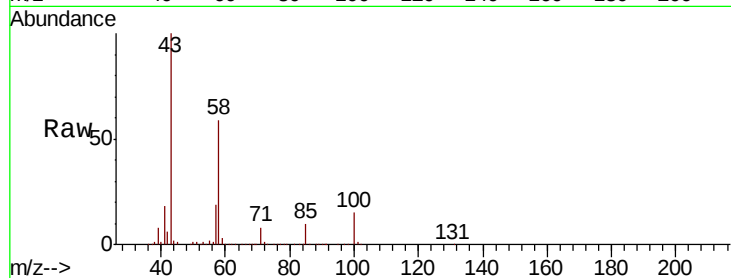
#59
2-Hexanone
Concen: 221.319 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 244596
Ion Ratio Lower Upper
43 100
58 57.4 28.1 84.2

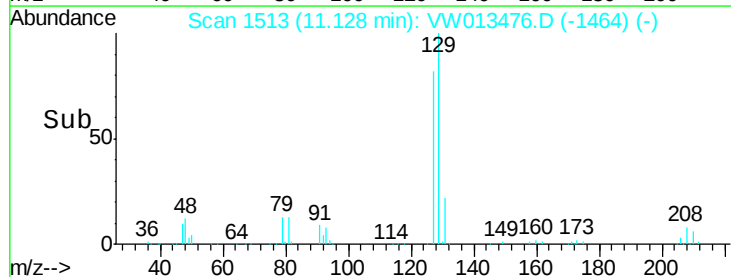
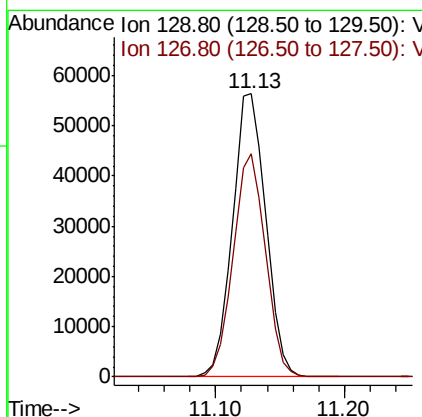
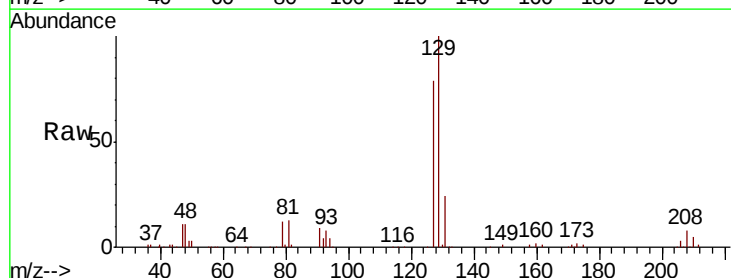
Manual Integrations
APPROVED

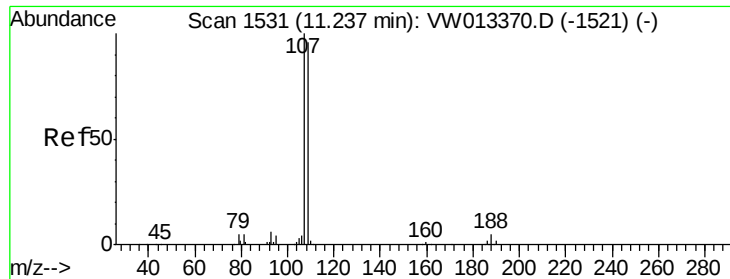
MMDadoda
10/8/2019 1:30:27 PM



#60
Dibromochloromethane
Concen: 47.934 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion:129 Resp: 101180
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 45.620 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 81338

Ion Ratio Lower Upper

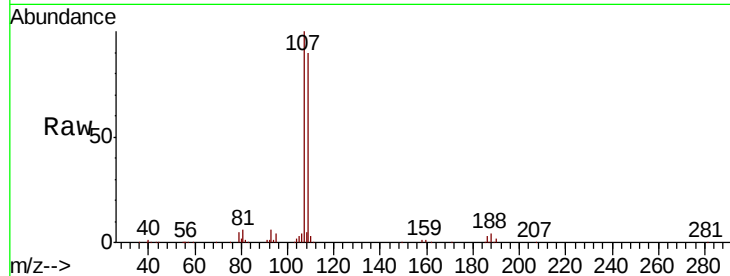
107 100

109 94.9 75.2 112.8

Manual Integrations
APPROVED

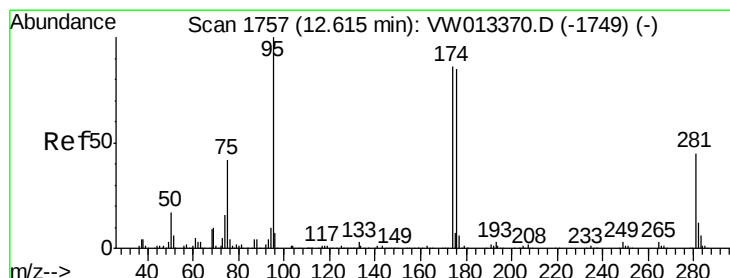
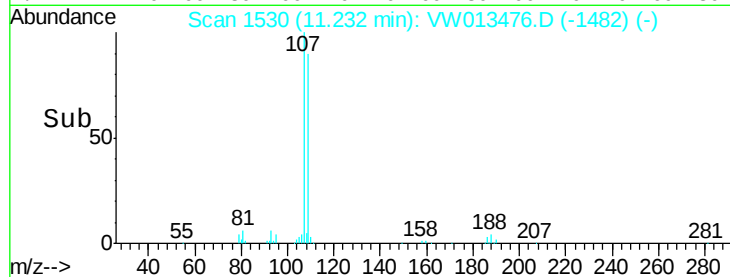
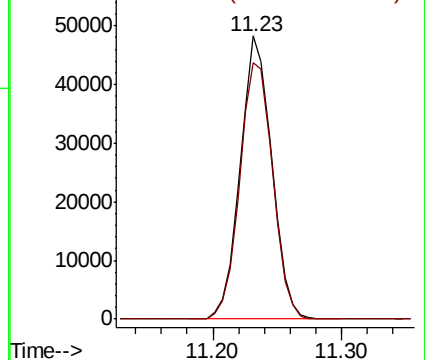
MMDadoda

10/8/2019 1:30:27 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.293 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

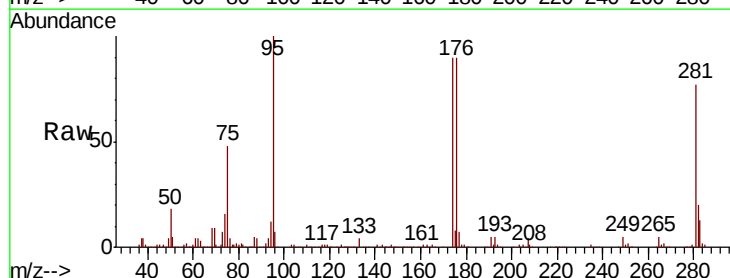
Tgt Ion: 95 Resp: 149573

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.4

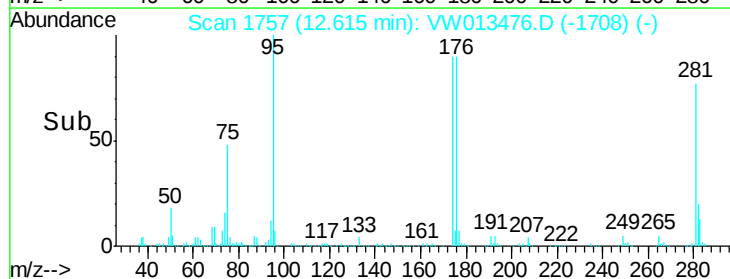
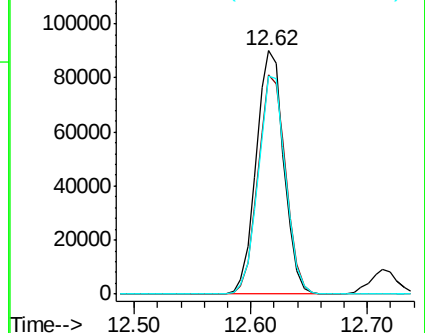
176 88.4 0.0 172.2

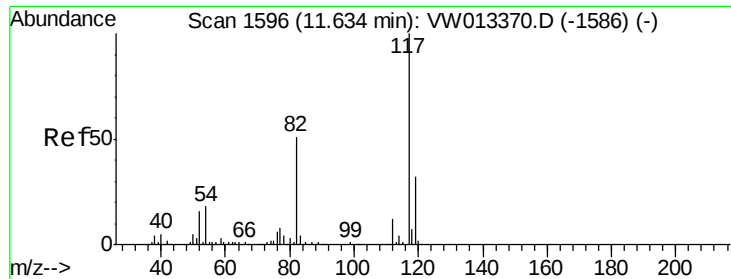


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





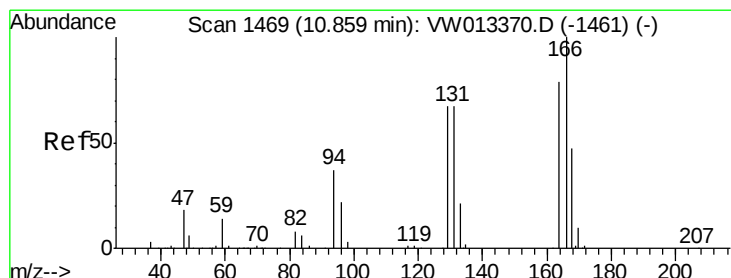
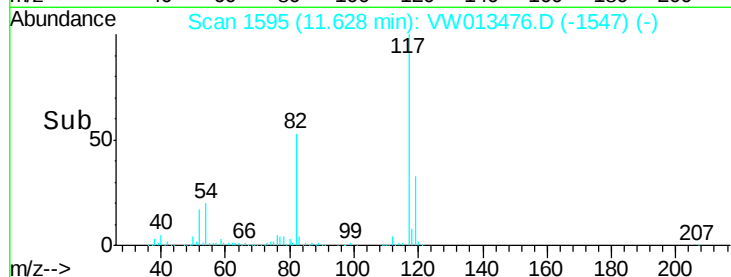
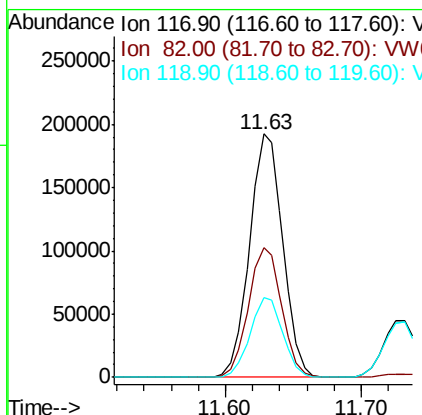
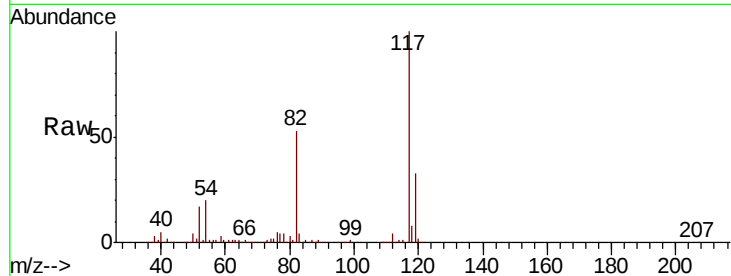
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329591		
82	53.4	45.9	68.9	
119	32.6	26.2	39.2	

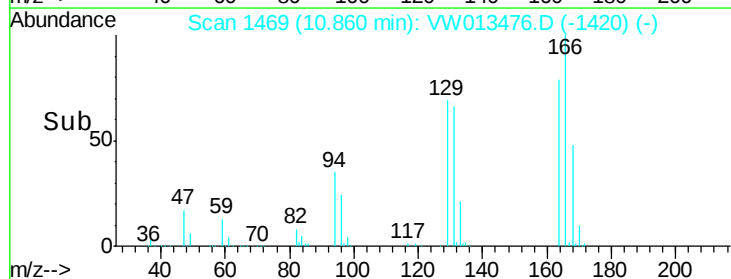
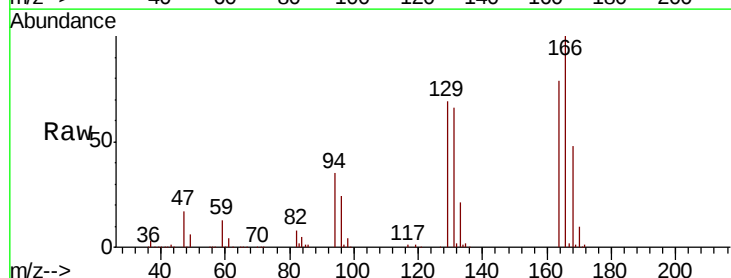
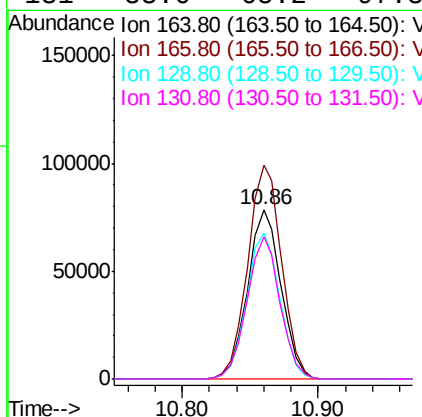
Manual Integrations
APPROVED

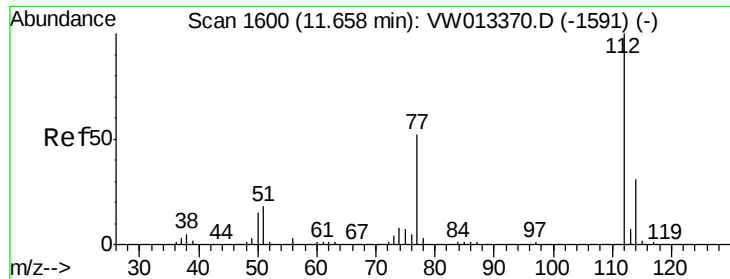
MMDadoda
10/8/2019 1:30:27 PM



#64
Tetrachloroethene
Concen: 54.140 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135757		
166	126.2	101.2	151.8	
129	86.5	68.8	103.2	
131	83.6	65.2	97.8	





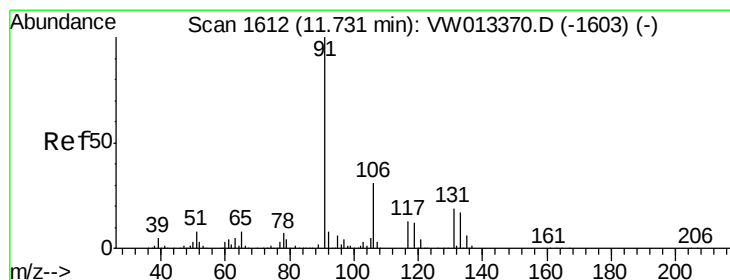
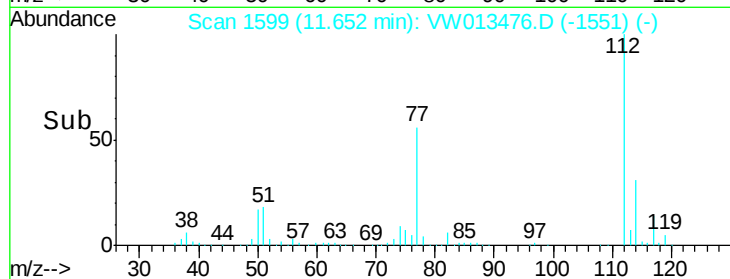
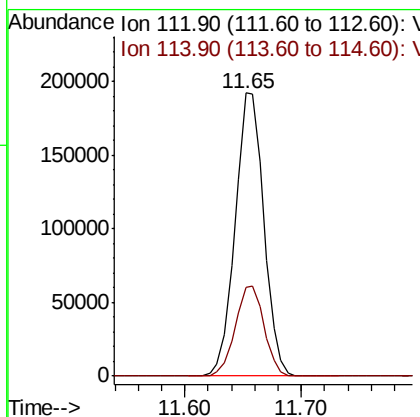
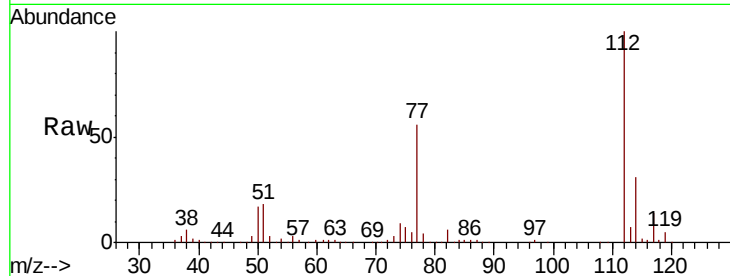
#65
Chlorobenzene
Concen: 48.845 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 329819
Ion Ratio Lower Upper
112 100
114 31.5 26.5 39.7

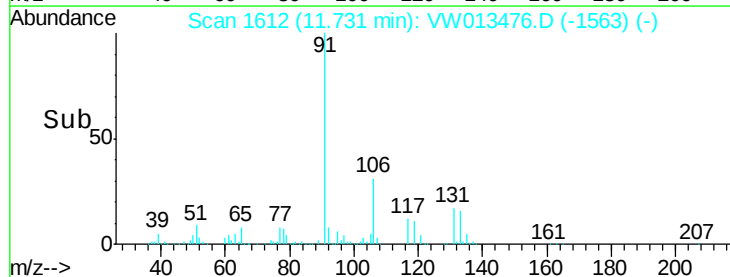
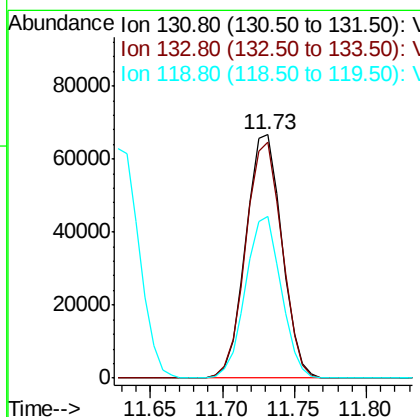
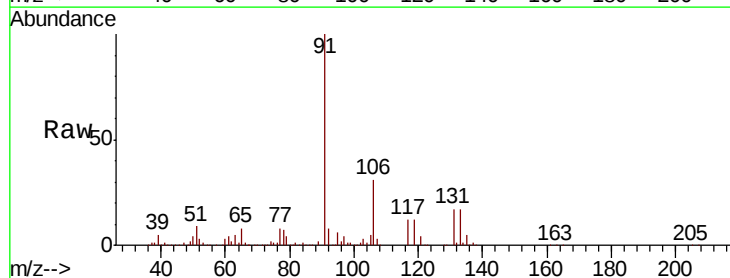
Manual Integrations
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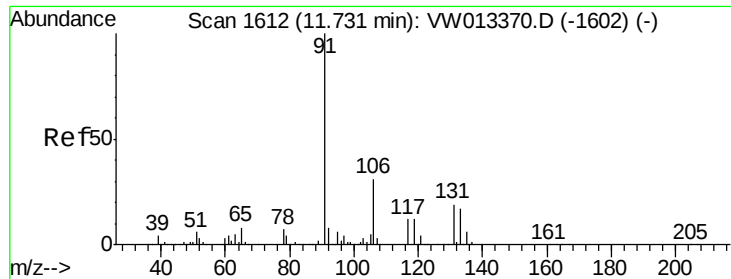
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.218 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion:131 Resp: 115492
Ion Ratio Lower Upper
131 100
133 97.3 47.5 142.6
119 65.5 32.5 97.5





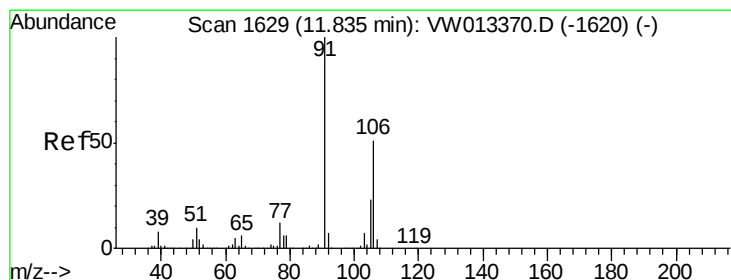
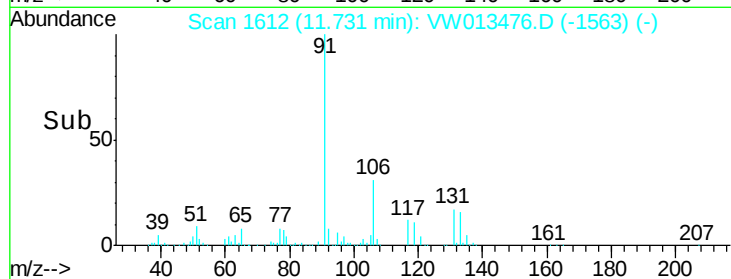
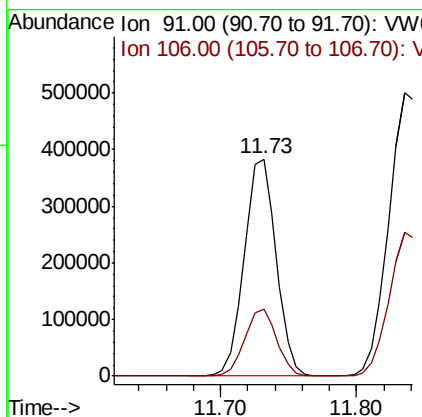
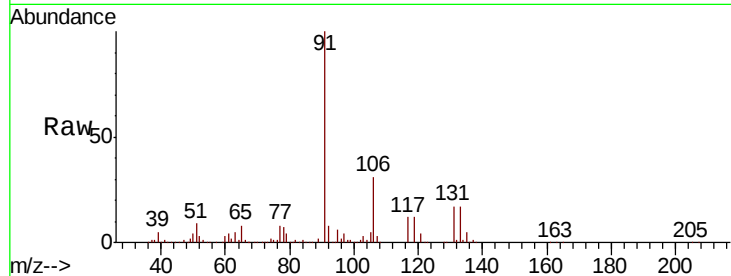
#67
Ethyl Benzene
Concen: 52.024 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 629579
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

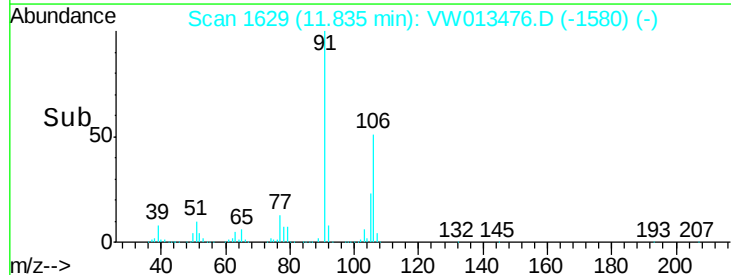
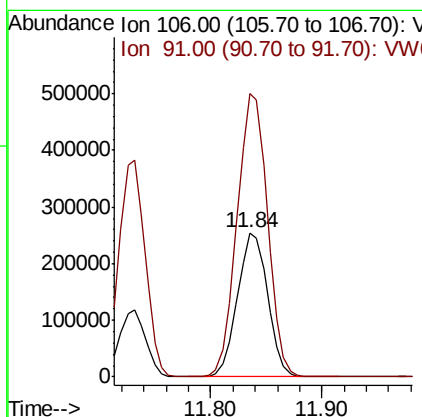
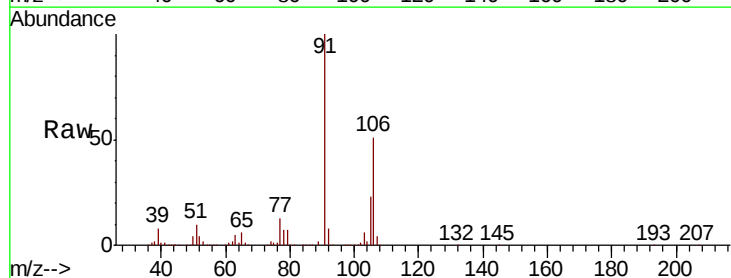
Manual Integrations
APPROVED

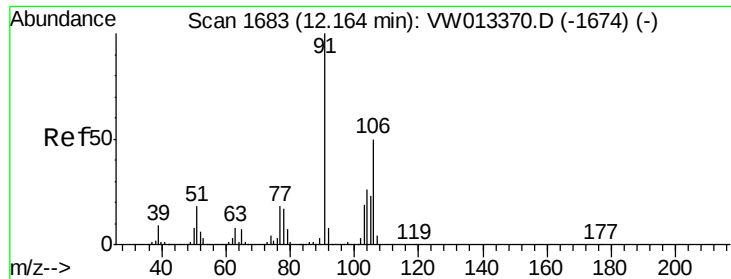
MMDadoda
10/8/2019 1:30:27 PM



#68
m/p-Xylenes
Concen: 102.183 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion: 106 Resp: 477314
Ion Ratio Lower Upper
106 100
91 198.7 157.9 236.9





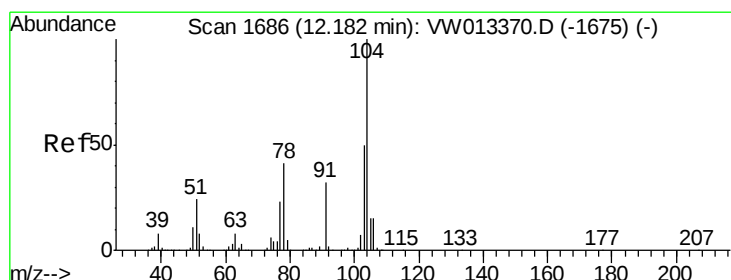
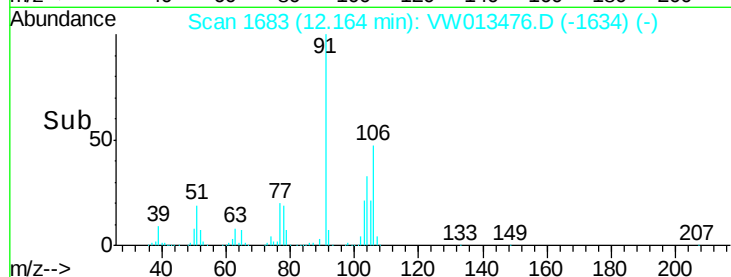
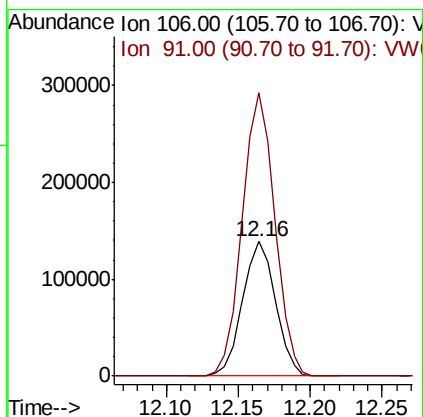
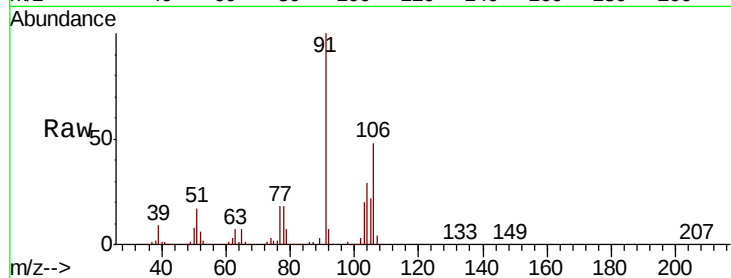
#69
o-Xylene
Concen: 51.034 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	106.5	319.5

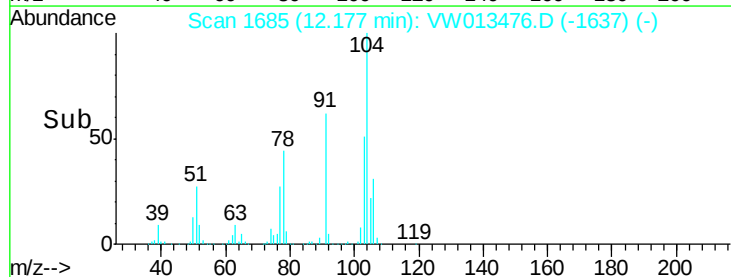
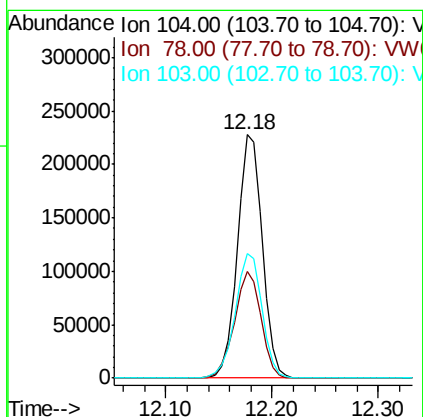
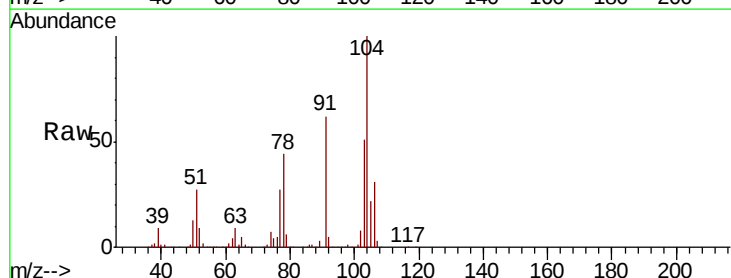
Manual Integrations
APPROVED

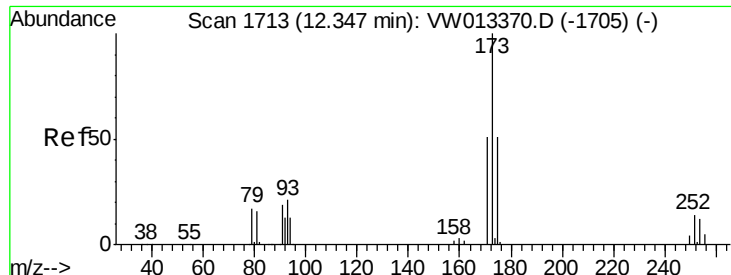
MMDadoda
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#70
Styrene
Concen: 50.662 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	38.4	57.6
103	55.1	43.3	64.9





#71

Bromoform

Concen: 49.418 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 61618

Ion Ratio Lower Upper

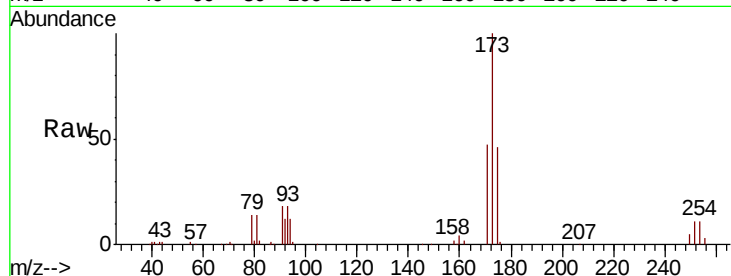
173 100

175 47.8 24.3 73.0

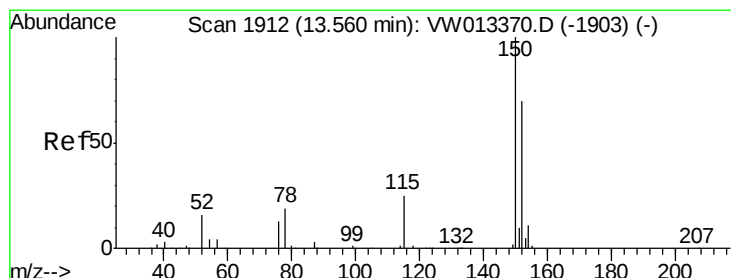
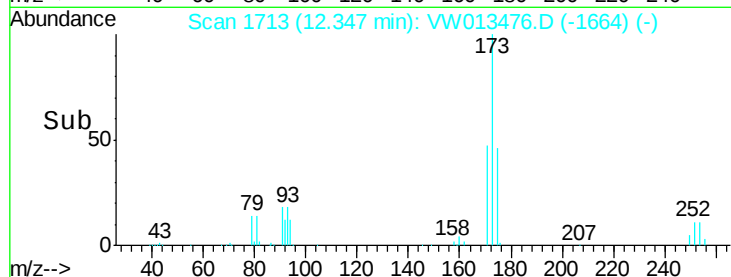
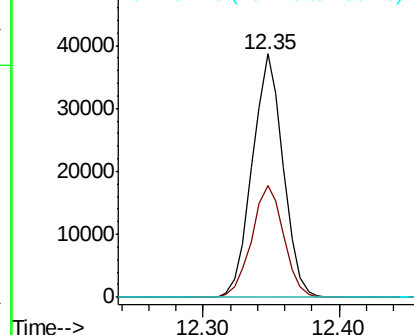
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

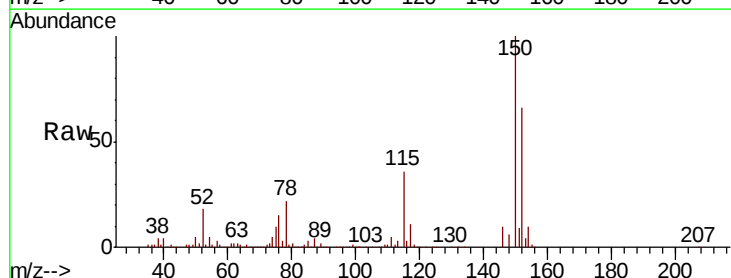
Tgt Ion:152 Resp: 165124

Ion Ratio Lower Upper

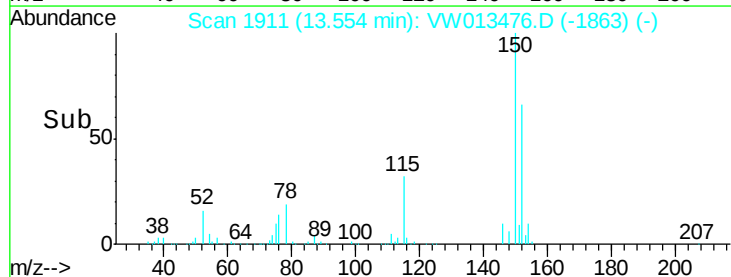
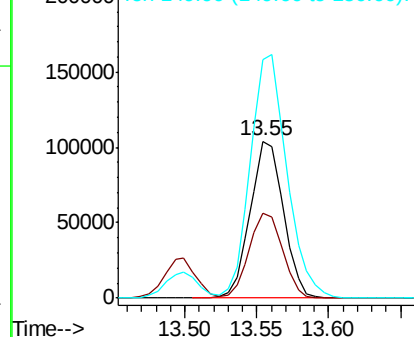
152 100

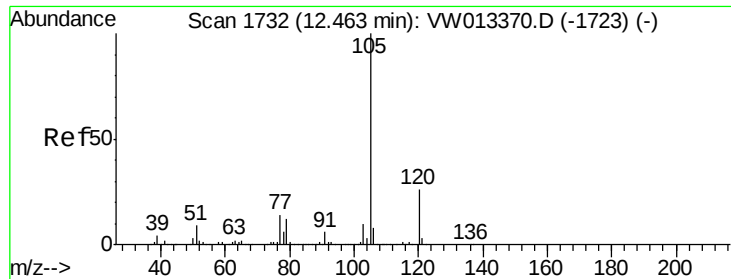
115 55.0 27.3 81.9

150 171.1 0.0 349.0



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





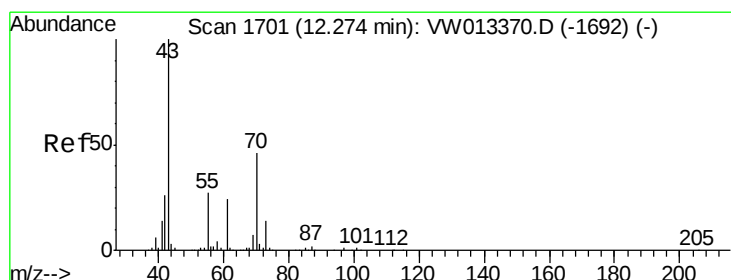
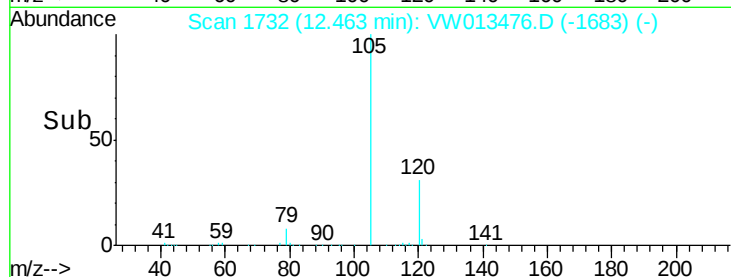
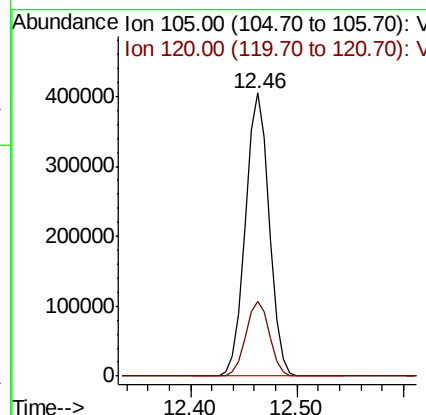
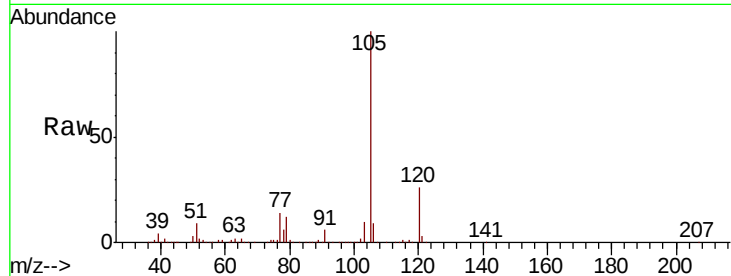
#73
Isopropylbenzene
Concen: 52.501 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.1

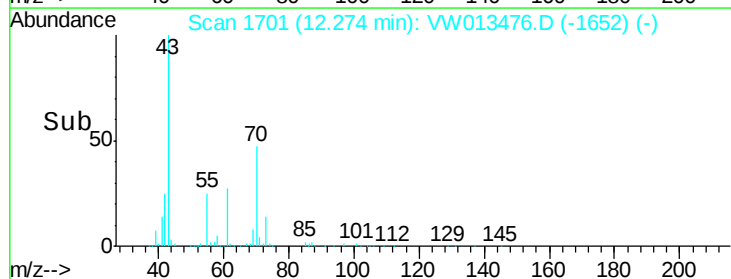
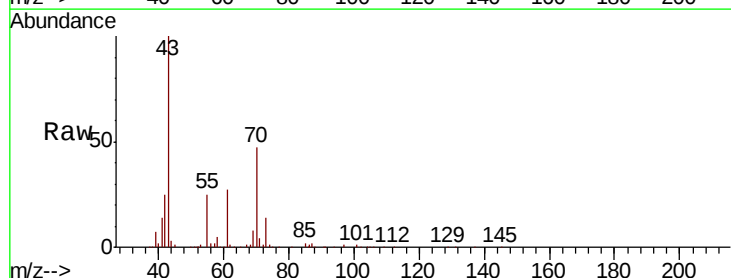
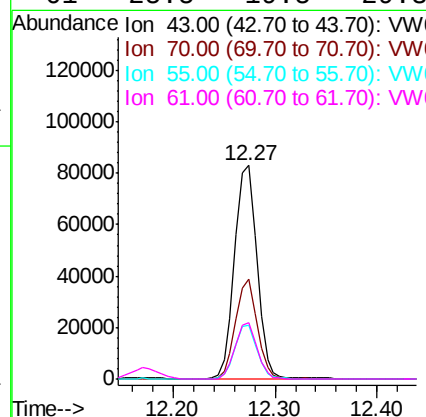
Manual Integrations
APPROVED

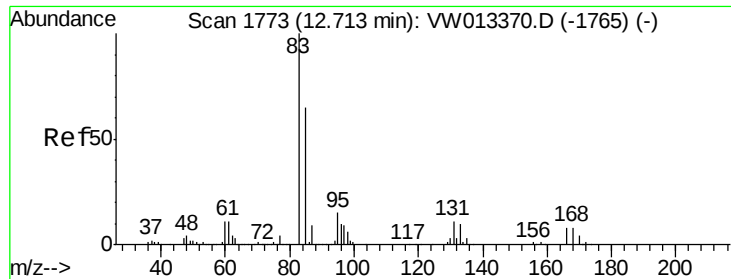
MMDadoda
10/8/2019 1:30:27 PM



#74
N-ethyl acetate
Concen: 49.478 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	35.1	52.7
55	24.7	19.9	29.9
61	25.5	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.457 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

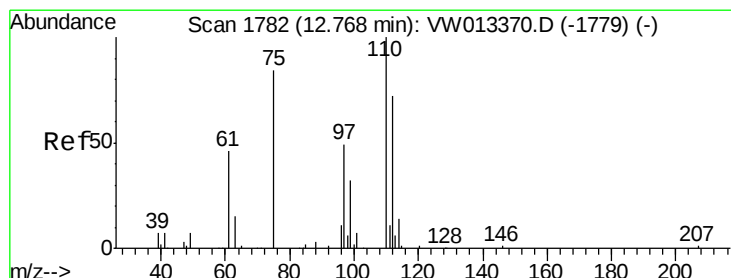
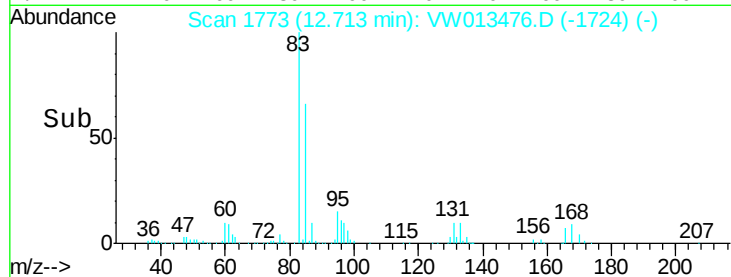
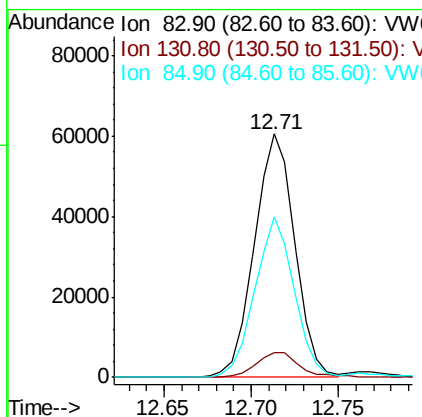
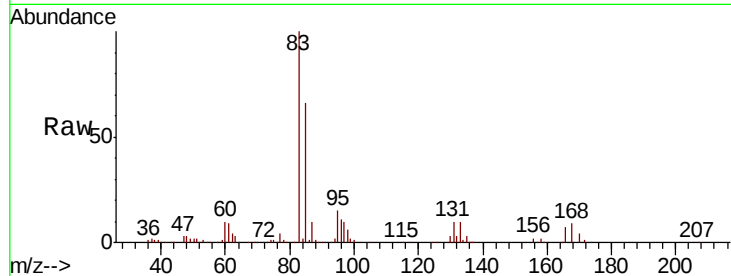
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	97020
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	64.3	31.9	95.9

Manual Integrations
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10/8/2019 1:30:27 PM



#76

1,2,3-Trichloropropane

Concen: 49.807 ug/l m

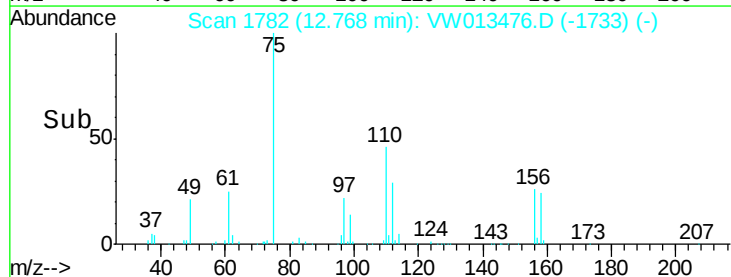
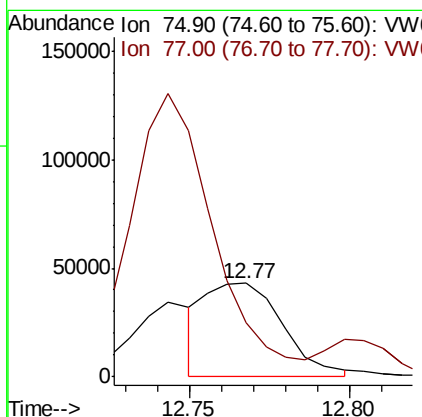
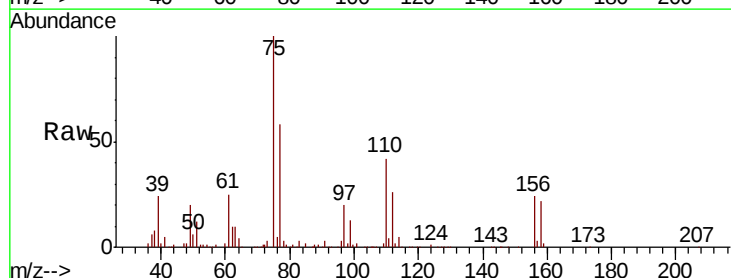
RT: 12.77 min Scan# 1782

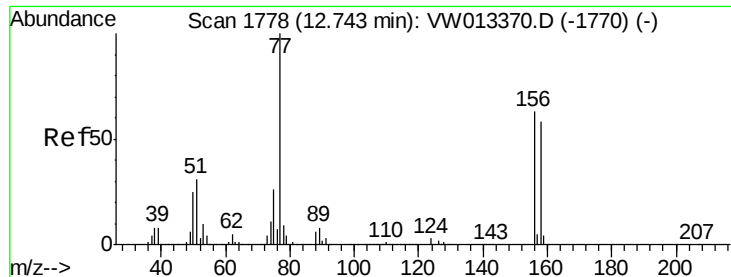
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	75	Resp:	73095
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.028 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

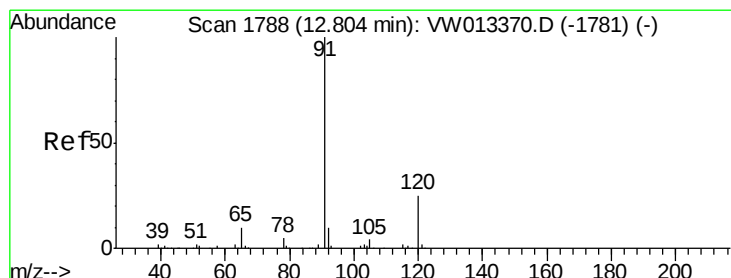
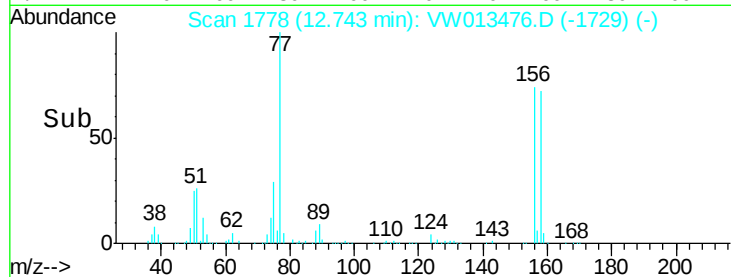
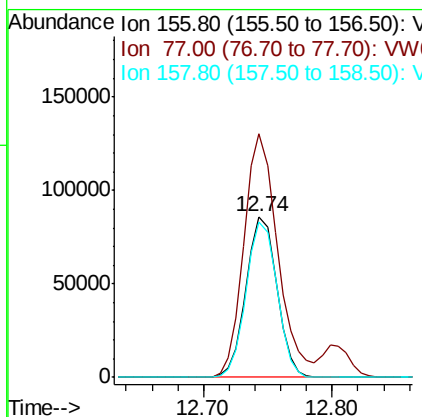
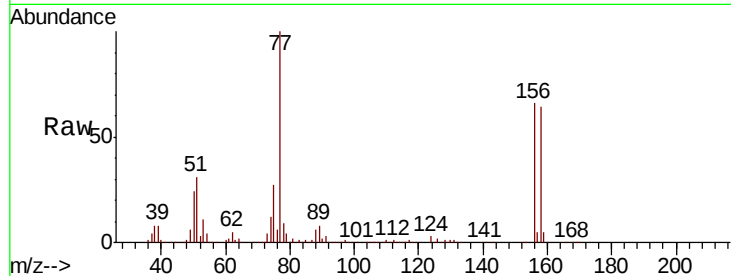
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	142193
Ion Ratio	Lower	Upper	
156	100		
77	167.4	85.7	257.1
158	97.1	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 52.496 ug/l

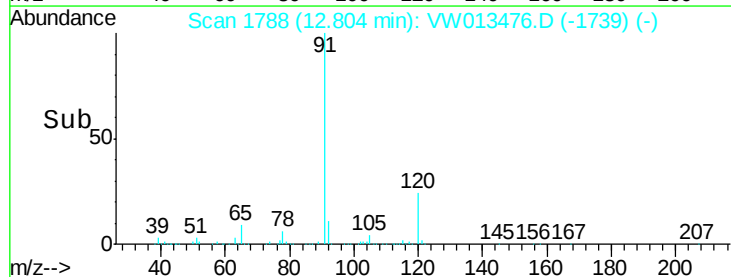
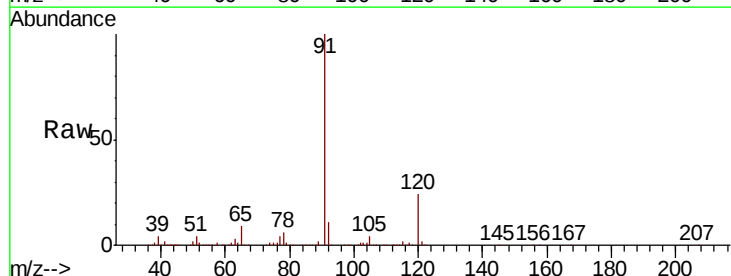
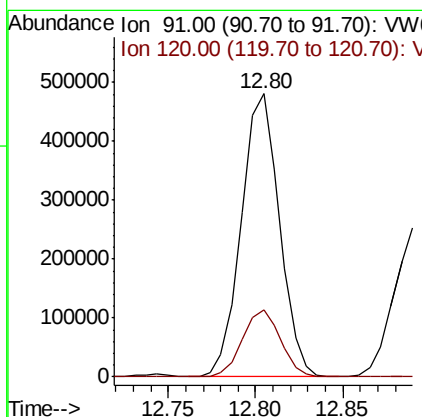
RT: 12.80 min Scan# 1788

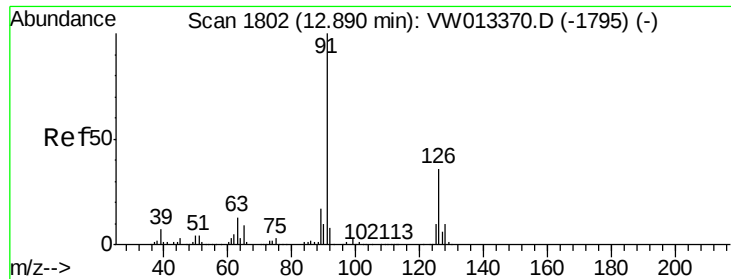
Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	91	Resp:	729368
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 51.032 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 393809

Ion Ratio Lower Upper

91 100

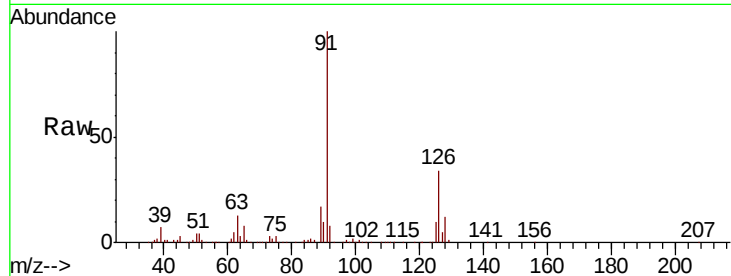
126 34.8 17.2 51.5

Manual Integrations

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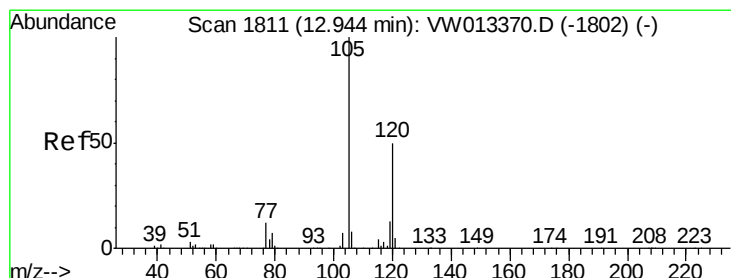
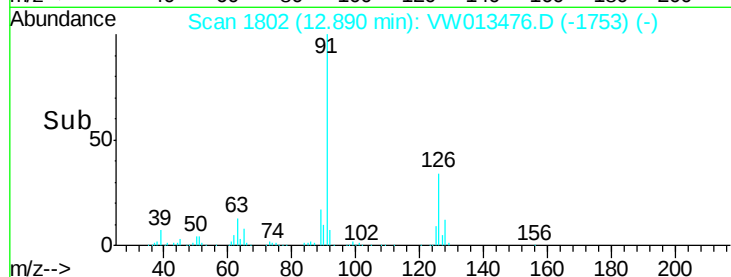
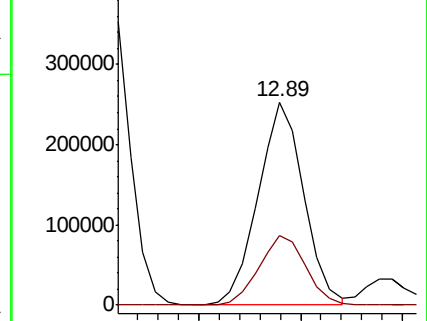
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.594 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013476.D

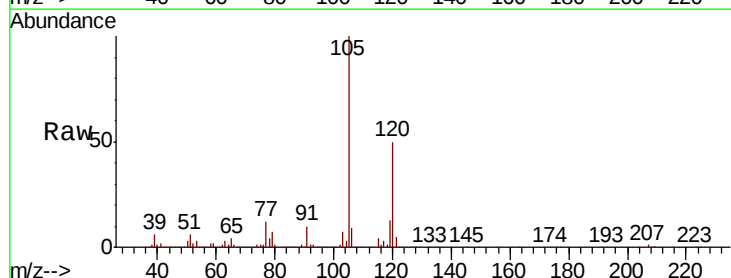
Acq: 07 Oct 2019 20:46

Tgt Ion:105 Resp: 517671

Ion Ratio Lower Upper

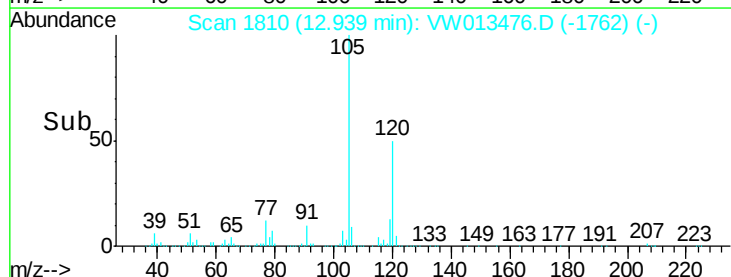
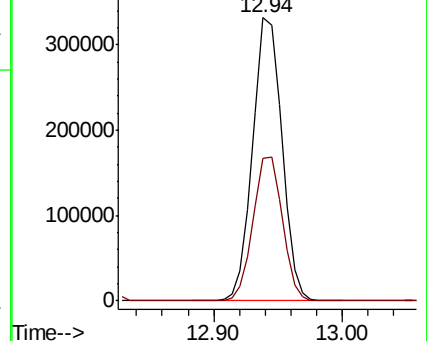
105 100

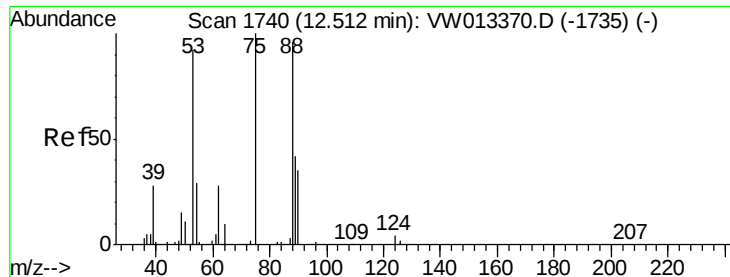
120 51.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





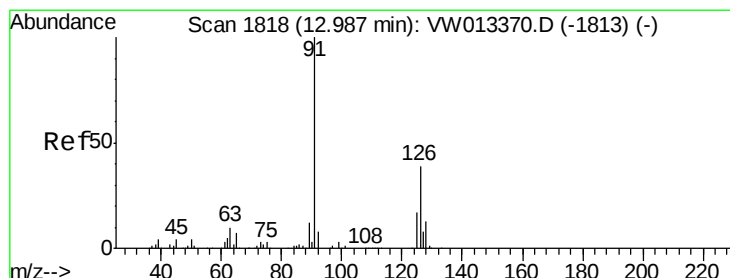
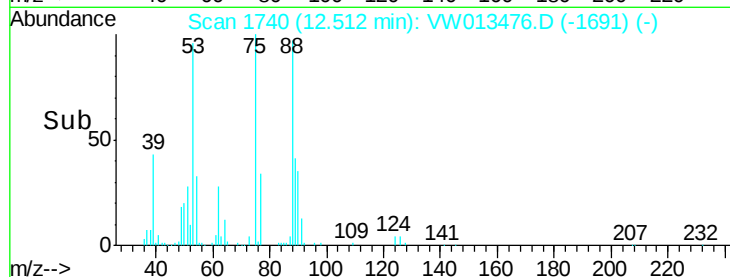
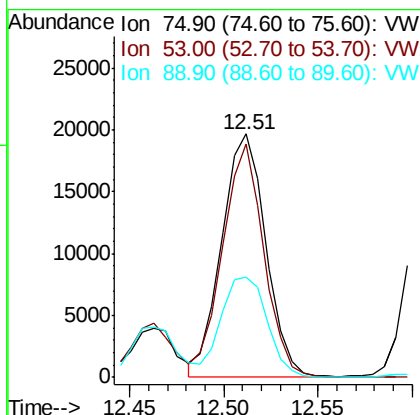
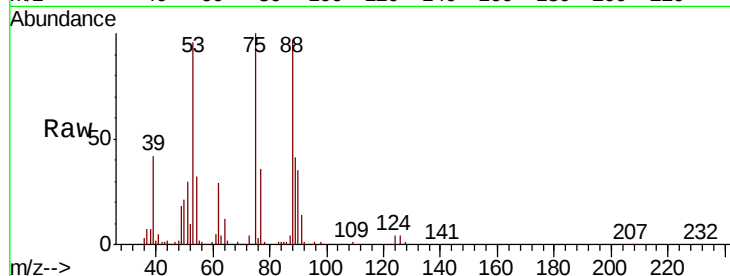
#81
trans-1,4-Dichloro-2-butene
Concen: 46.288 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	76.6	114.8
89	42.9	33.5	50.3

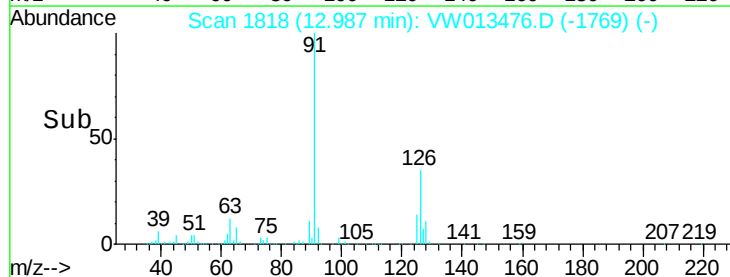
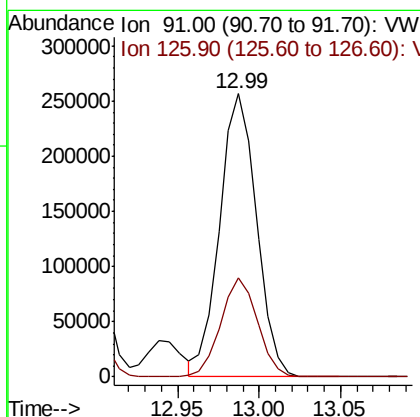
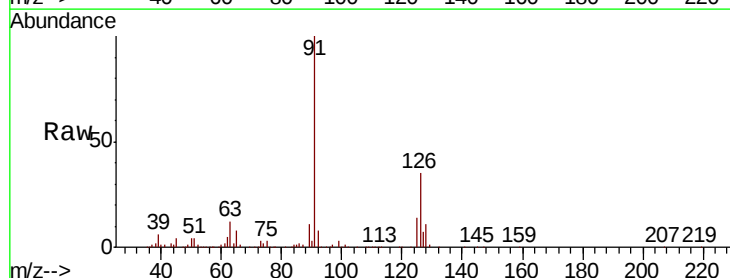
Manual Integrations
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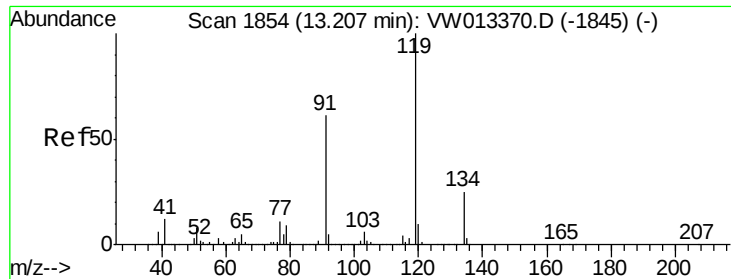
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.904 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





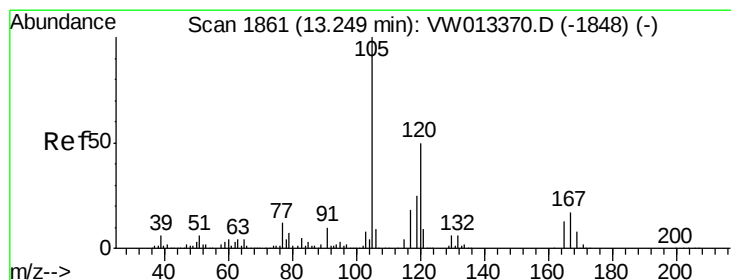
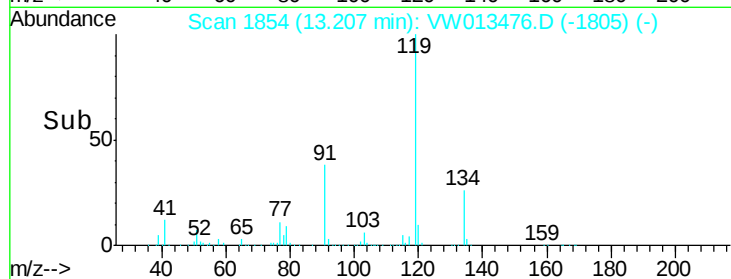
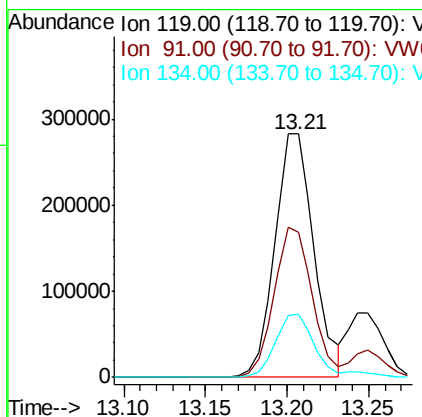
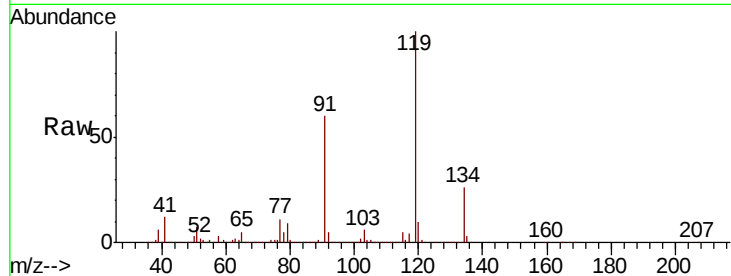
#83
tert-Butylbenzene
Concen: 53.703 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.7	92.1
134	26.9	12.6	37.6

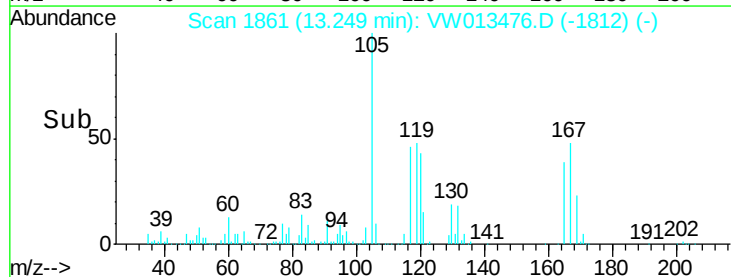
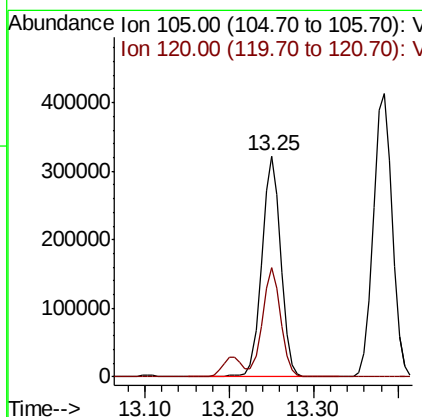
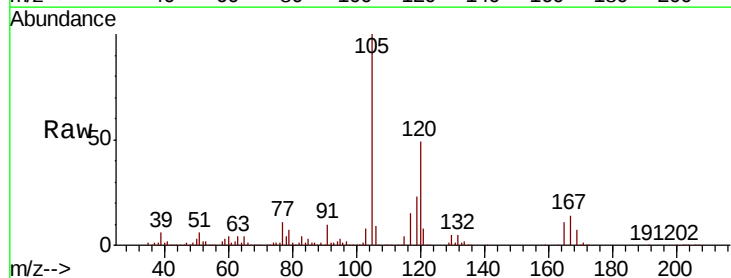
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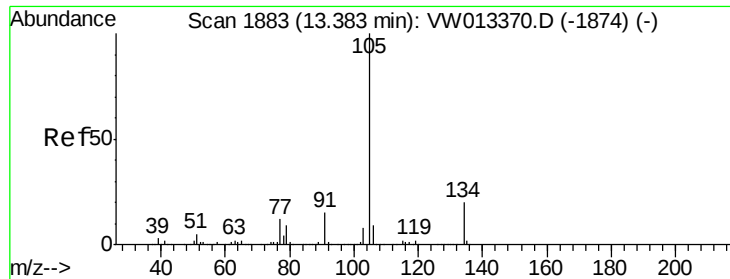
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.007 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 53.296 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 643980

Ion Ratio Lower Upper

105 100

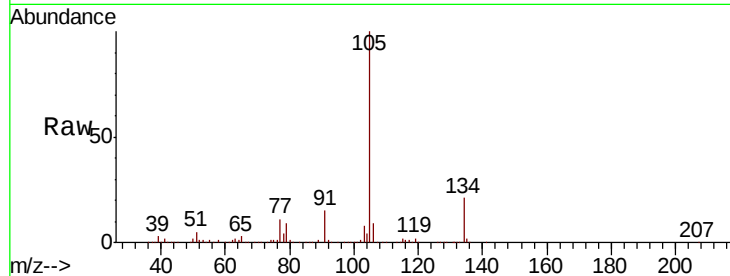
134 21.0 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

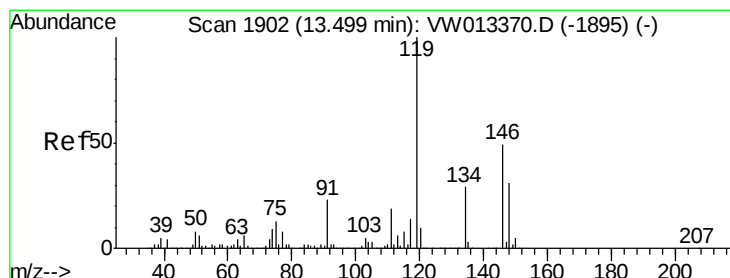
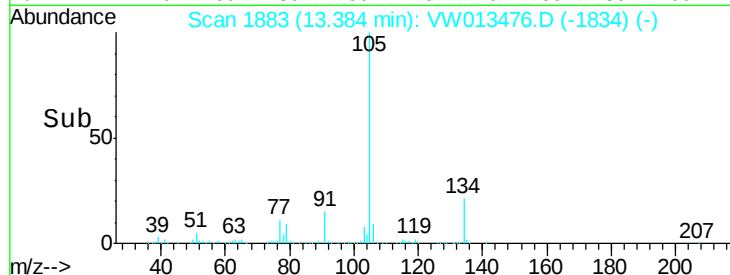
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.293 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

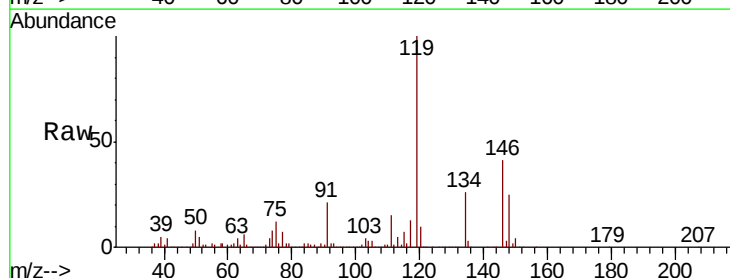
Tgt Ion:119 Resp: 596772

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.1 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

500000

400000

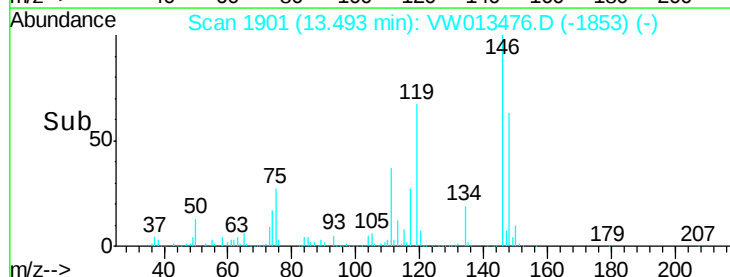
300000

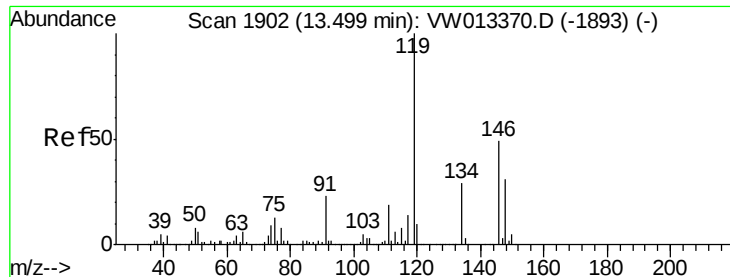
200000

100000

0

Time-->





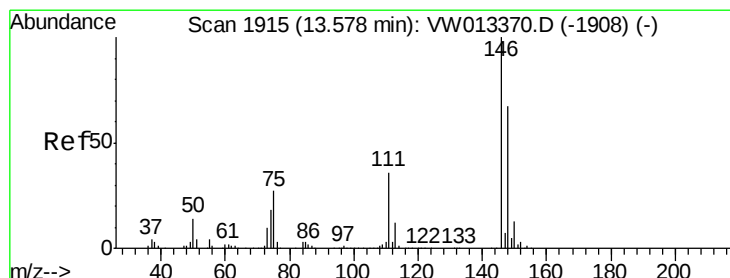
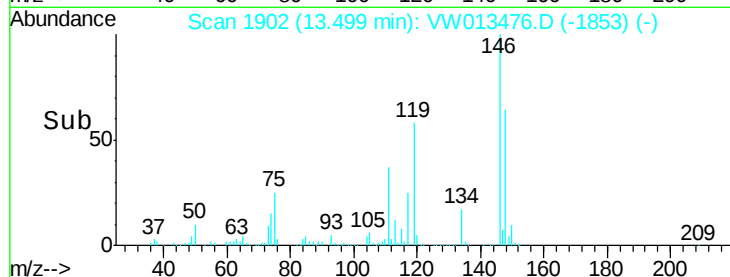
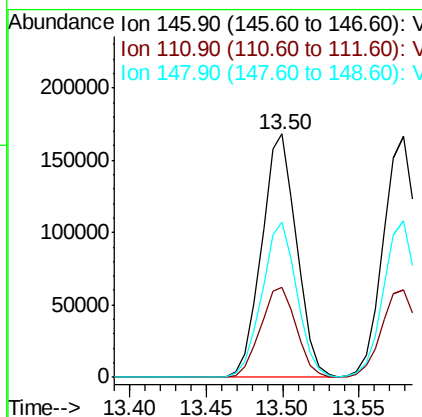
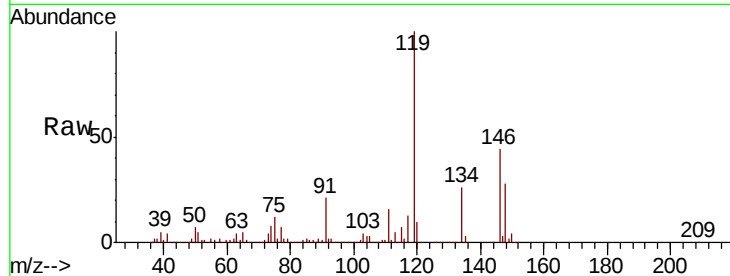
#87
 1,3-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.8	31.9	95.5

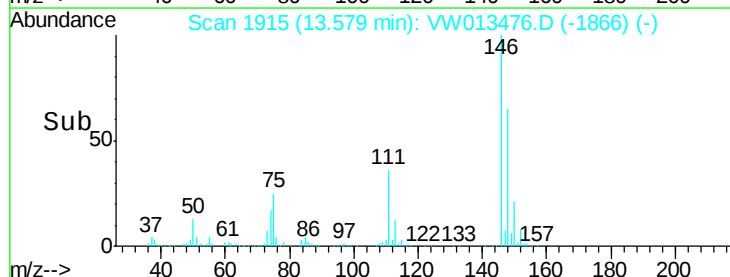
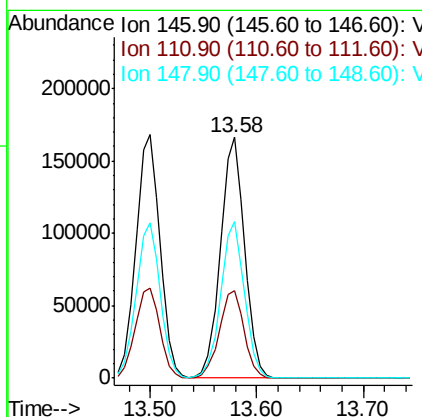
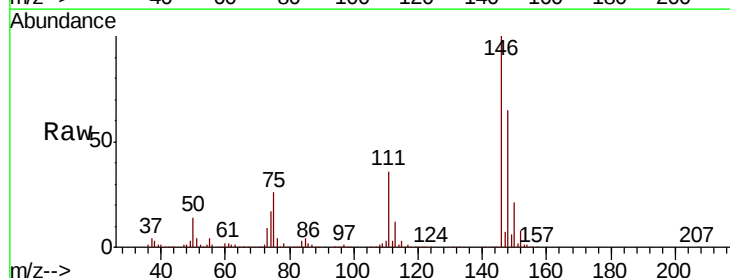
Manual Integrations
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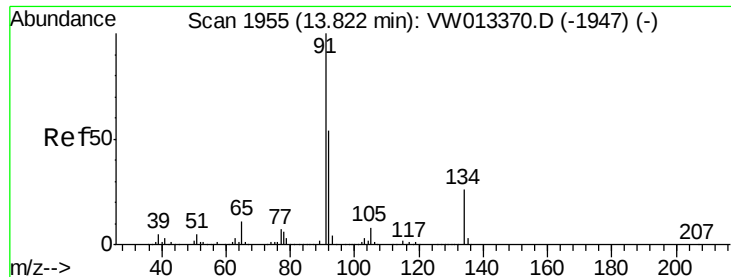
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#88
 1,4-Dichlorobenzene
 Concen: 48.009 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	63.9	32.1	96.3





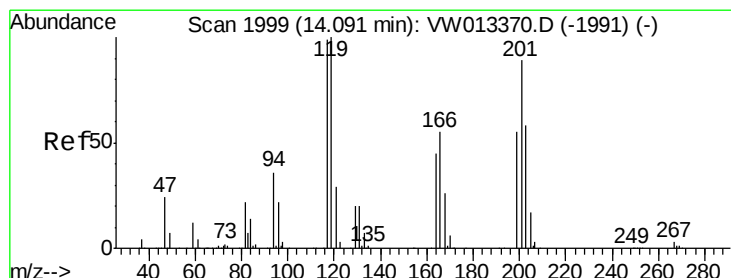
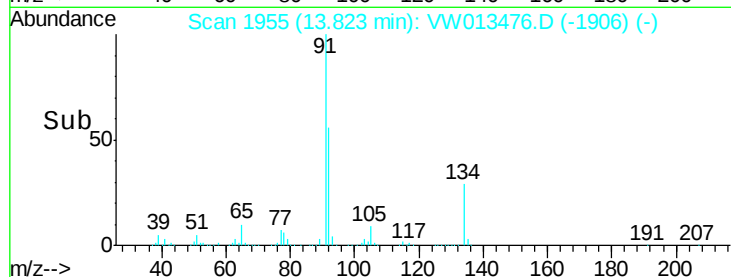
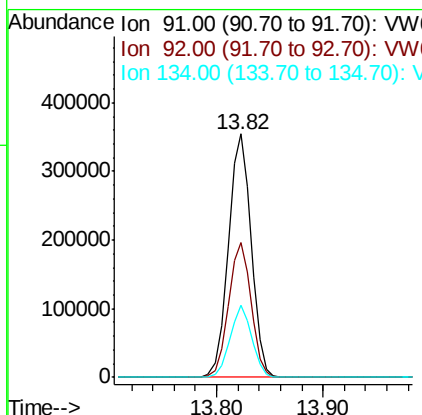
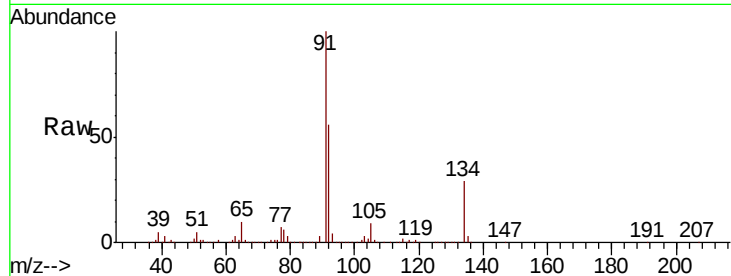
#89
n-Butylbenzene
Concen: 52.682 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	28.2	13.7	41.1

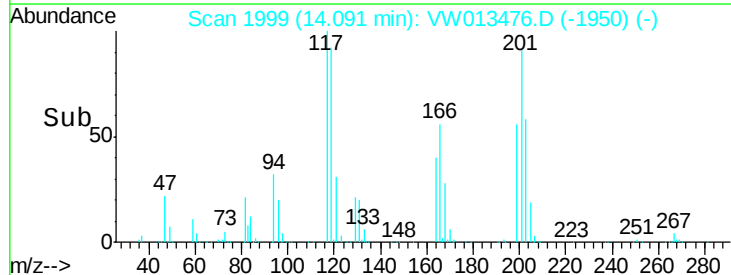
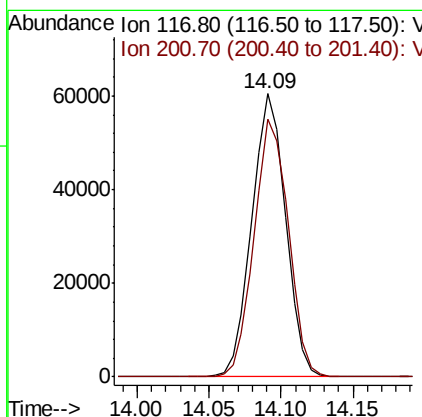
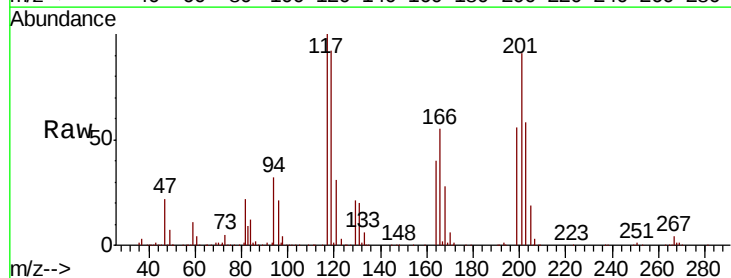
Manual Integrations
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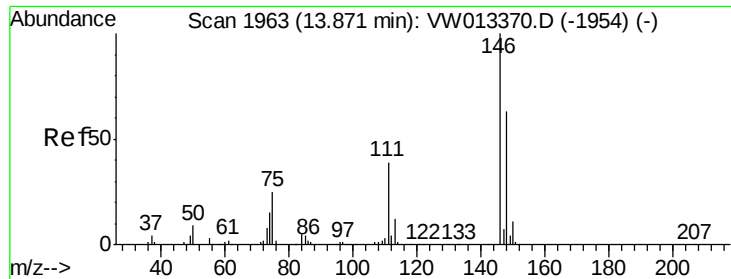
MMDadoda
10/8/2019 1:30:27 PM



#90
Hexachloroethane
Concen: 52.923 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	44.5	133.5





#91

1,2-Dichlorobenzene

Concen: 48.024 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Instrument :

MSVOA_W

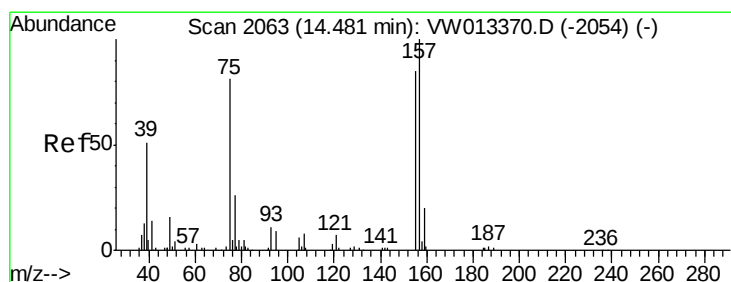
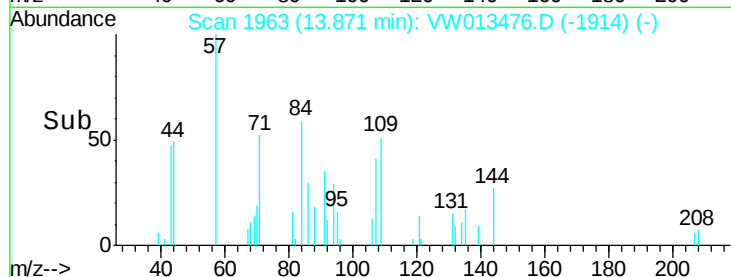
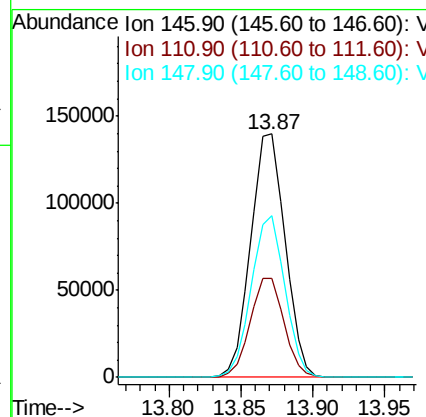
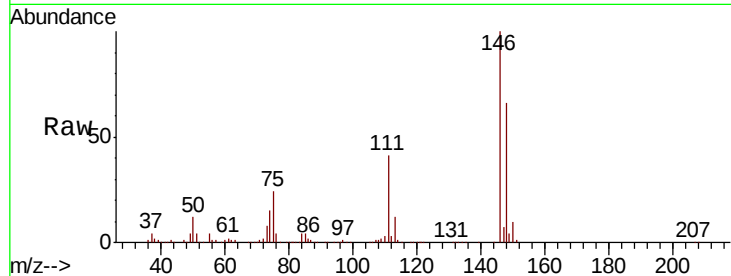
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	231646
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.3
148	64.8	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.467 ug/l

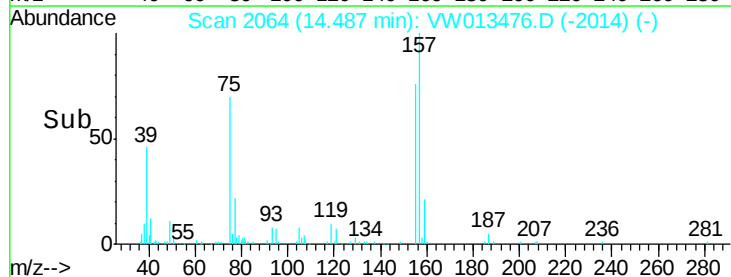
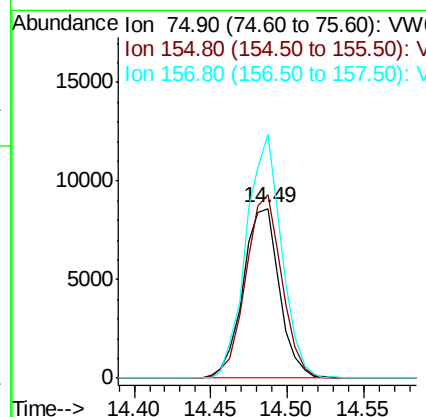
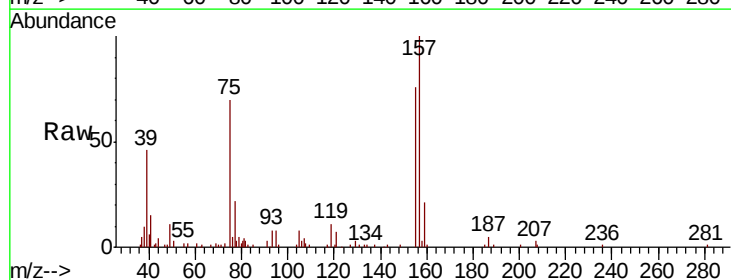
RT: 14.49 min Scan# 2064

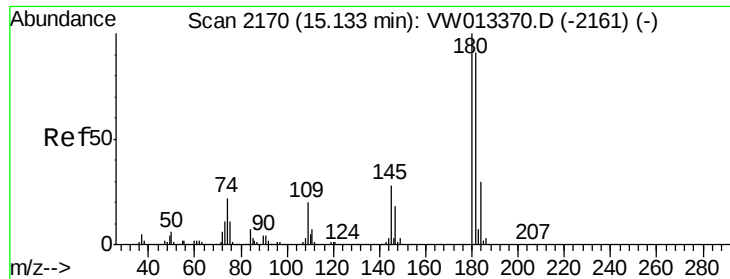
Delta R.T. 0.01 min

Lab File: VW013476.D

Acq: 07 Oct 2019 20:46

Tgt Ion:	75	Resp:	14209
Ion Ratio	Lower	Upper	
75	100		
155	107.1	46.1	138.3
157	139.0	60.4	181.2





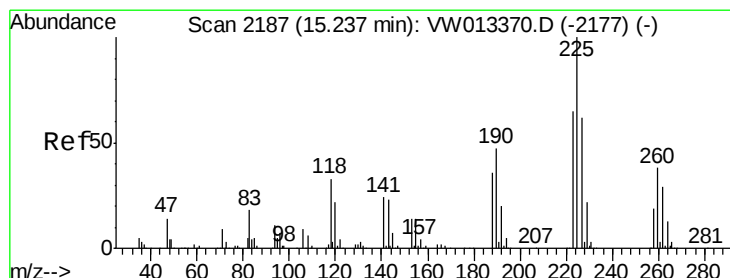
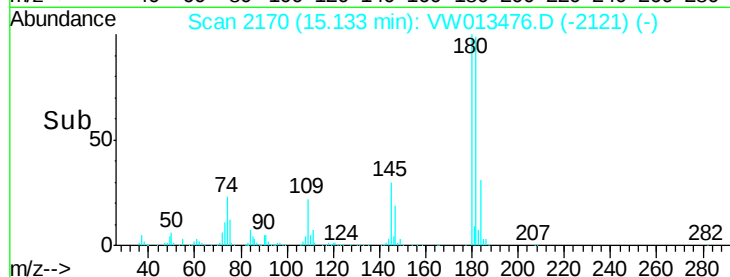
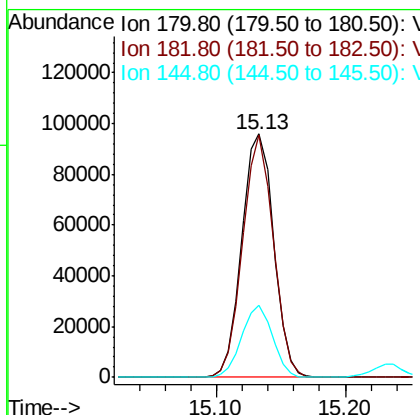
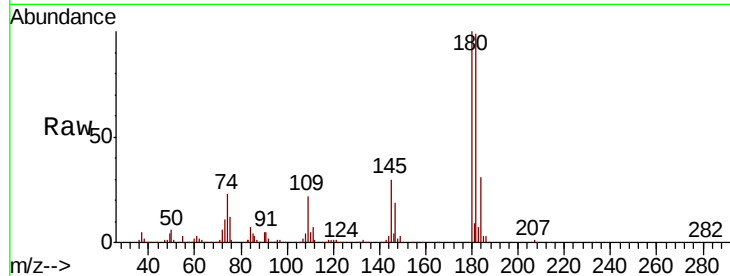
#93
 1,2,4-Trichlorobenzene
 Concen: 47.304 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	28.9	14.2	42.8

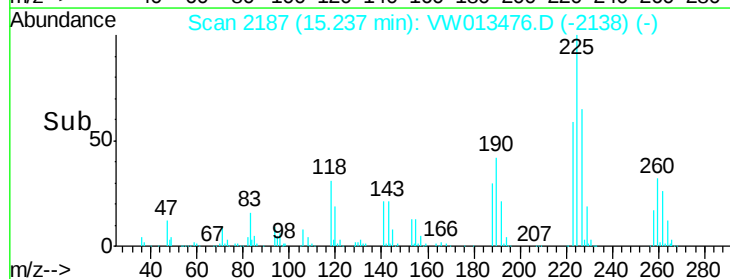
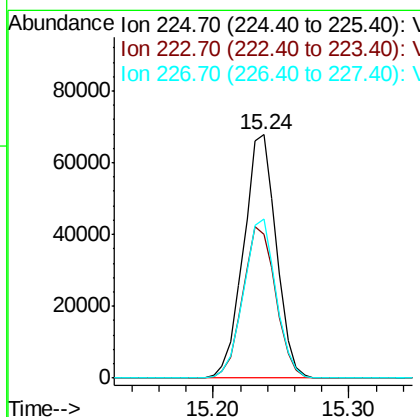
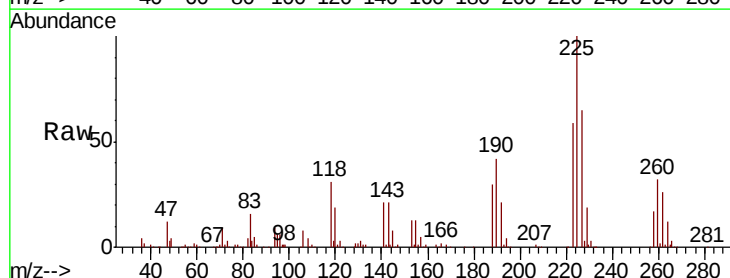
Manual Integrations
 APPROVED

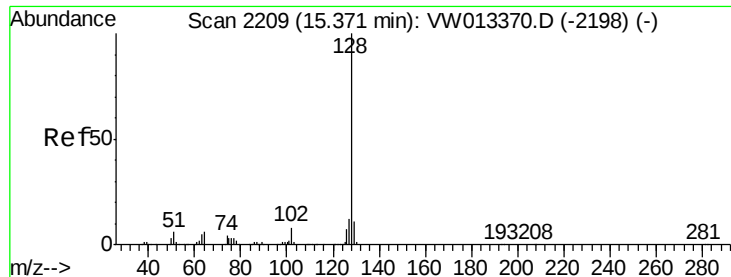
MMDadoda
 10/8/2019 1:30:27 PM



#94
 Hexachlorobutadiene
 Concen: 50.805 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013476.D
 Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	91.8
227	64.6	31.9	95.9





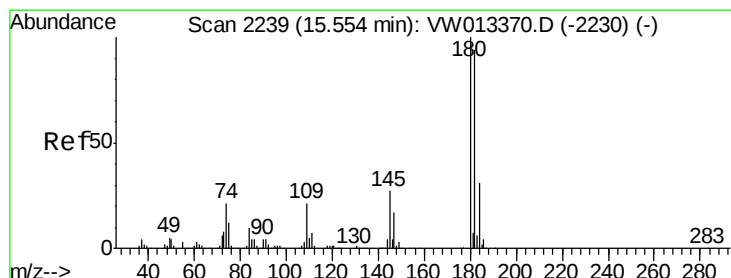
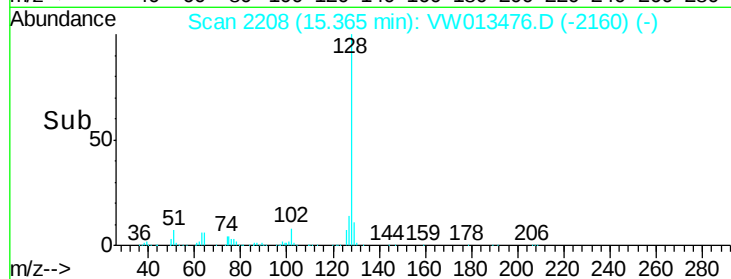
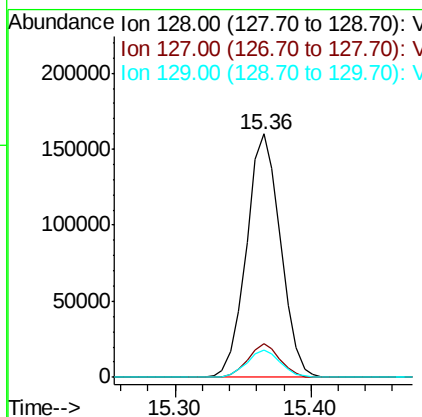
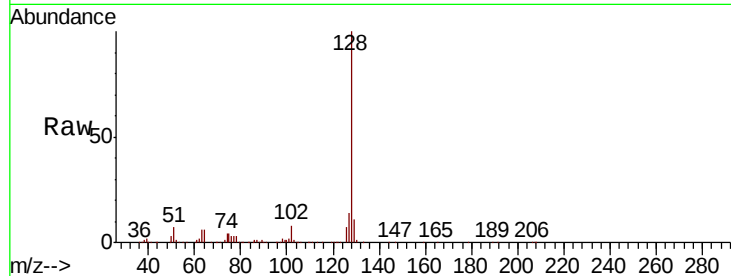
#95
Naphthalene
Concen: 48.005 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	280320		
127	13.2		10.6	15.8
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2019 1:30:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.954 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013476.D
Acq: 07 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141909		
182	94.7		47.9	143.7
145	29.3		15.0	45.0

