

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013483.D
 Acq On : 08 Oct 2019 12:37
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:35 PM

Quant Time: Oct 09 05:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	347439	149.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.18%	
35) Dibromofluoromethane	7.88	113	354284	147.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.30%	
50) Toluene-d8	10.32	98	1497558	148.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.02%	
62) 4-Bromofluorobenzene	12.62	95	498432	147.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	161256	161.392	ug/l	98
3) Chloromethane	2.21	50	231212	131.649	ug/l	99
4) Vinyl Chloride	2.36	62	364610	140.745	ug/l	98
5) Bromomethane	2.77	94	215518	139.430	ug/l	98
6) Chloroethane	2.91	64	209787	144.200	ug/l	100
7) Trichlorofluoromethane	3.25	101	186062	151.801	ug/l	98
8) Diethyl Ether	3.68	74	190731	150.342	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	365998	144.884	ug/l	99
10) Methyl Iodide	4.27	142	572134	143.027	ug/l	99
11) Tert butyl alcohol	5.20	59	137205	774.533	ug/l	98
12) 1,1-Dichloroethene	4.04	96	382623	146.153	ug/l	98
13) Acrolein	3.89	56	160387	844.189	ug/l	98
14) Allyl chloride	4.66	41	591844	147.108	ug/l	98
15) Acrylonitrile	5.36	53	461646	778.564	ug/l	100
16) Acetone	4.13	43	425030	783.730	ug/l	100
17) Carbon Disulfide	4.38	76	1079526	146.904	ug/l	100
18) Methyl Acetate	4.67	43	234897	151.208	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	574744	145.184	ug/l	100
20) Methylene Chloride	4.91	84	366088	122.621	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	402535	144.698	ug/l	98
22) Diisopropyl ether	6.31	45	1098764	145.765	ug/l	98
23) Vinyl Acetate	6.25	43	3504012	774.274	ug/l	98
24) 1,1-Dichloroethane	6.21	63	668887	145.181	ug/l	99
25) 2-Butanone	7.17	43	600904	751.842	ug/l	99
26) 2,2-Dichloropropane	7.16	77	391961	131.968	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	427523	145.238	ug/l	98
28) Bromochloromethane	7.51	49	268115	163.169	ug/l #	98
29) Tetrahydrofuran	7.52	42	383193	784.460	ug/l	99
30) Chloroform	7.67	83	640430	143.705	ug/l	95
31) Cyclohexane	7.95	56	676485	138.724	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	529025	146.032	ug/l	99
36) 1,1-Dichloropropene	8.08	75	553690	142.467	ug/l	100
37) Ethyl Acetate	7.25	43	258791	146.760	ug/l	99
38) Carbon Tetrachloride	8.07	117	506977	147.151	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	746975	148.350	ug/l	99
40) Benzene	8.32	78	1544758	142.388	ug/l	100
41) Methacrylonitrile	7.48	41	160579	160.142	ug/l	96
42) 1,2-Dichloroethane	8.40	62	401908	146.565	ug/l	99
43) Isopropyl Acetate	8.42	43	493137	154.794	ug/l	99
44) Trichloroethene	9.09	130	448413	144.885	ug/l	100
45) 1,2-Dichloropropane	9.37	63	377231	144.870	ug/l	99
46) Dibromomethane	9.46	93	193180	148.917	ug/l	99
47) Bromodichloromethane	9.64	83	485032	150.413	ug/l	99
48) Methyl methacrylate	9.43	41	249767	159.164	ug/l	97
49) 1,4-Dioxane	9.46	88	66901	2937.105	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	1267764	756.930	ug/l	100
52) Toluene	10.38	92	999148	142.974	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	519607	155.071	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	616776	151.934	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	289470	148.664	ug/l	97
56) Ethyl methacrylate	10.65	69	413814	157.794	ug/l	99
57) 1,3-Dichloropropane	10.93	76	496724	148.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	975355	788.334	ug/l	99
59) 2-Hexanone	10.97	43	899845	783.498	ug/l	100
60) Dibromochloromethane	11.13	129	348811	155.775	ug/l	98
61) 1,2-Dibromoethane	11.23	107	284532	153.633	ug/l	98
64) Tetrachloroethene	10.86	164	384487	142.289	ug/l	99
65) Chlorobenzene	11.66	112	1054710	144.573	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	371698	146.674	ug/l	100
67) Ethyl Benzene	11.73	91	1930511	144.780	ug/l	99
68) m/p-Xylenes	11.84	106	1473645	290.465	ug/l	100
69) o-Xylene	12.16	106	681066	145.299	ug/l	99
70) Styrene	12.18	104	1183569	147.060	ug/l	100
71) Bromoform	12.35	173	219801	158.089	ug/l #	99
73) Isopropylbenzene	12.46	105	1923681	146.632	ug/l	99
74) N-amyl acetate	12.27	43	447515	155.971	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	328480	146.898	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	208133m	141.493	ug/l	
77) Bromobenzene	12.74	156	443181	142.518	ug/l	97
78) n-propylbenzene	12.80	91	2186536	144.132	ug/l	99
79) 2-Chlorotoluene	12.89	91	1214738	142.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1570165	144.045	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	123068	164.924	ug/l	97
82) 4-Chlorotoluene	12.99	91	1249066	141.591	ug/l	100
83) tert-Butylbenzene	13.21	119	1413648	146.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1532314	142.134	ug/l	100
85) sec-Butylbenzene	13.38	105	1928432	144.173	ug/l	100
86) p-Isopropyltoluene	13.50	119	1783594	145.132	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	841127	142.653	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	827962	143.339	ug/l	99
89) n-Butylbenzene	13.82	91	1616828	145.639	ug/l	99
90) Hexachloroethane	14.09	117	312279	148.508	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	745500	143.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	54385	152.560	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:13:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	559858	152.165	ug/l	98
94) Hexachlorobutadiene	15.24	225	351132	143.610	ug/l	99
95) Naphthalene	15.36	128	1040587	163.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	490982	152.606	ug/l	99

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

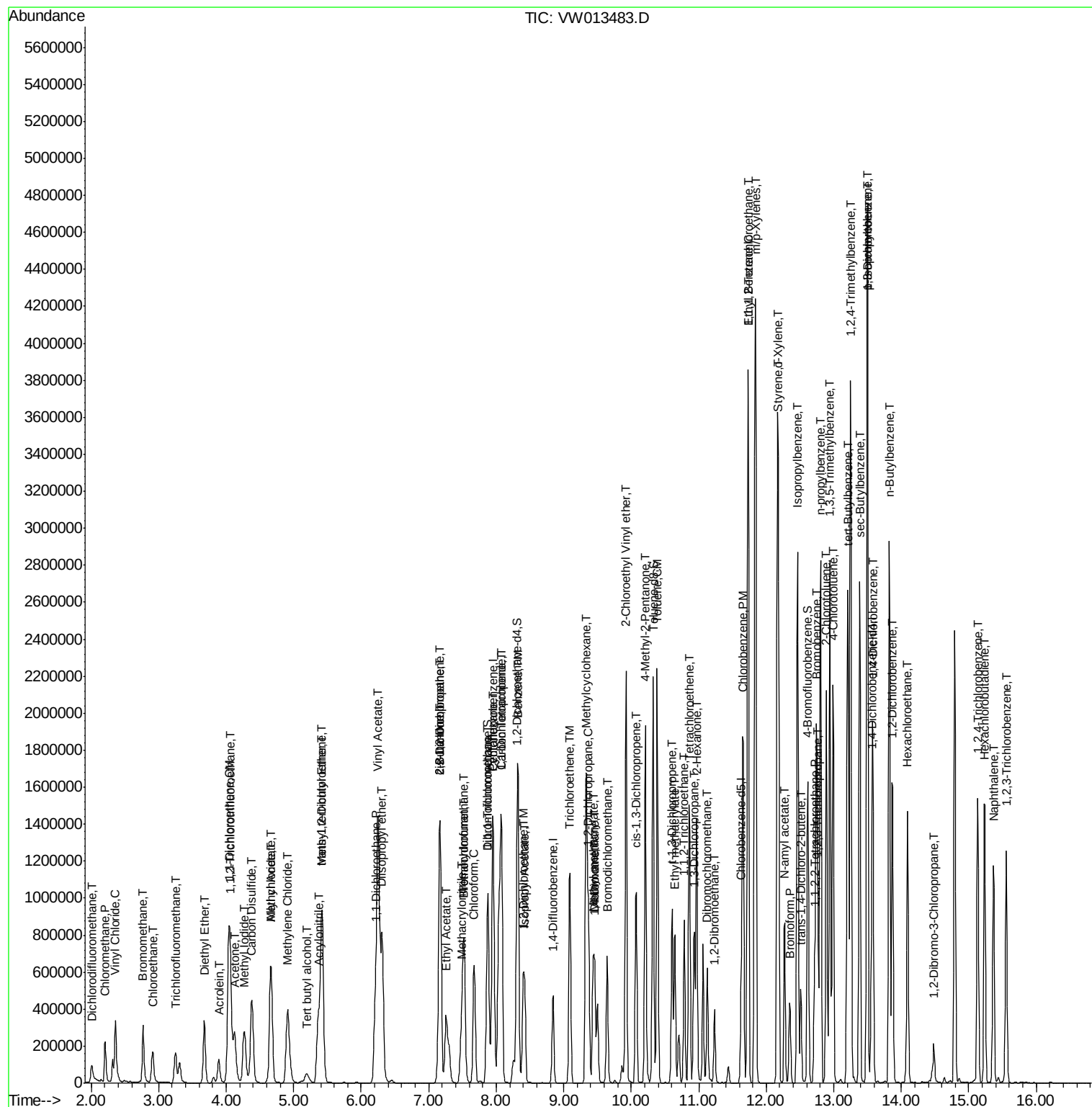
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100819\
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Operator : SY/VA
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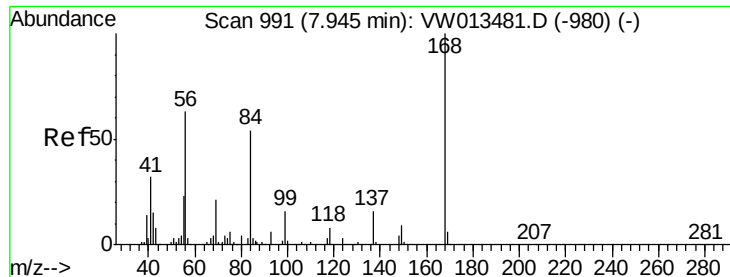
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 301640

Ion Ratio Lower Upper

168 100

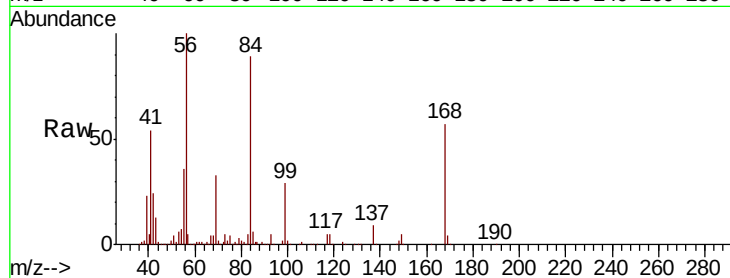
99 50.2 38.3 57.5

Manual Integrations

APPROVED

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10/9/2019 4:09:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

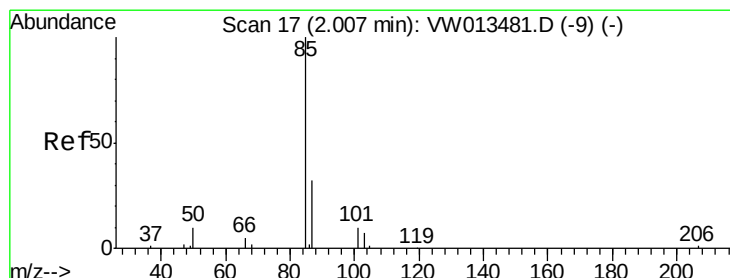
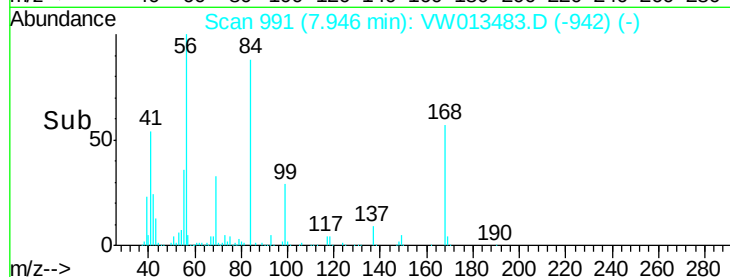
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 161.392 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013483.D

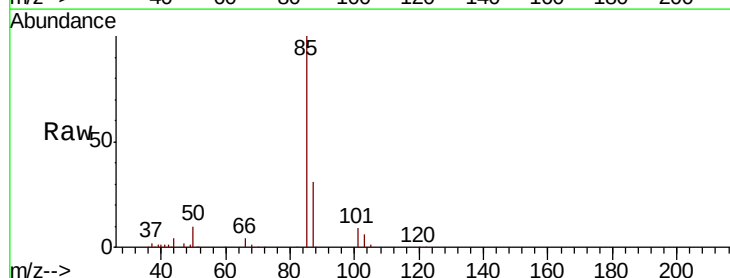
Acq: 08 Oct 2019 12:37

Tgt Ion: 85 Resp: 161256

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

30000

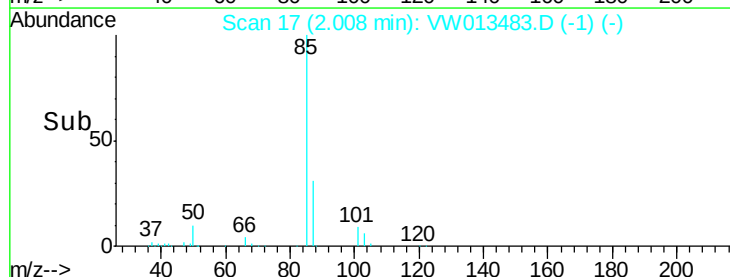
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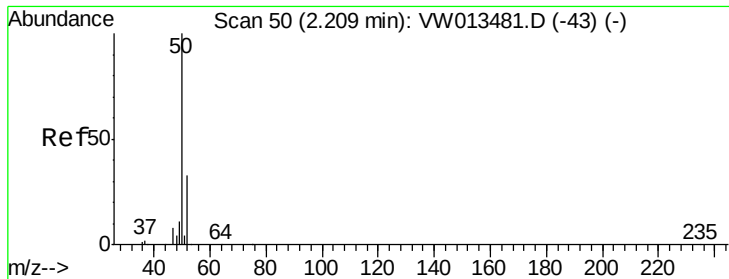
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 131.649 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 231212

Ion Ratio Lower Upper

50 100

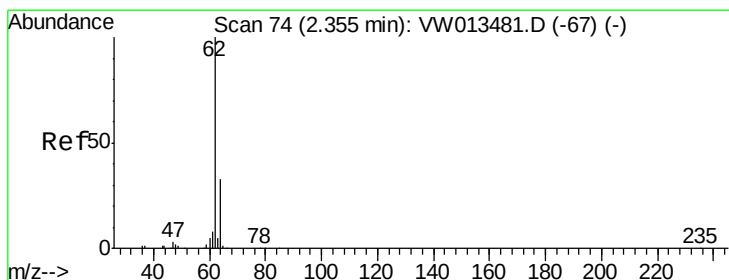
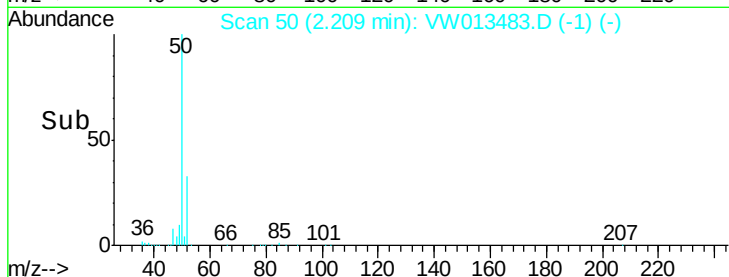
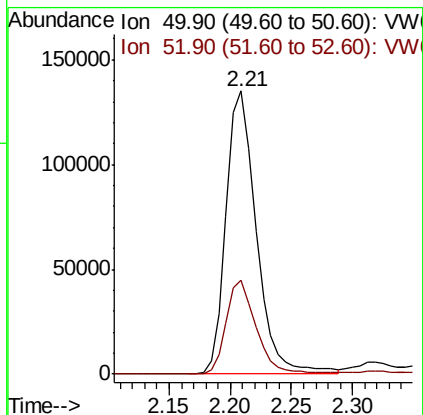
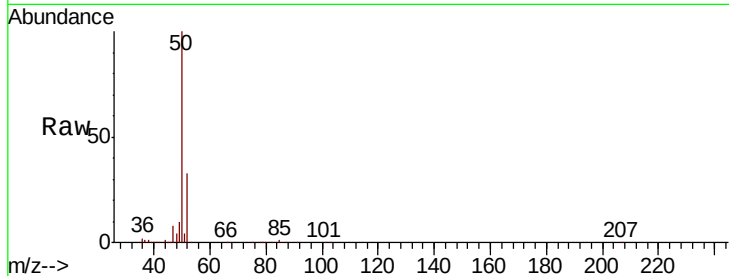
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 140.745 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013483.D

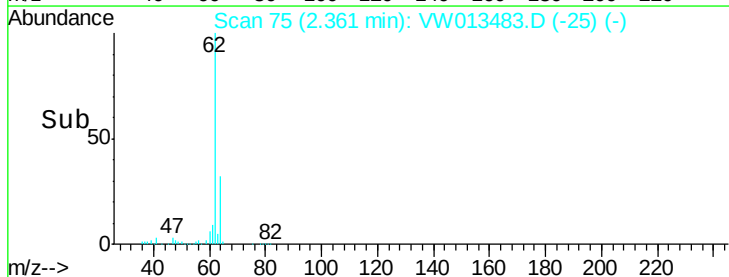
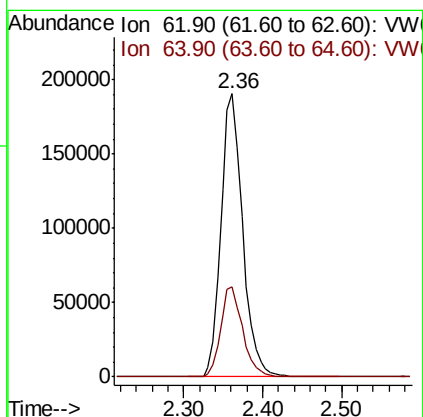
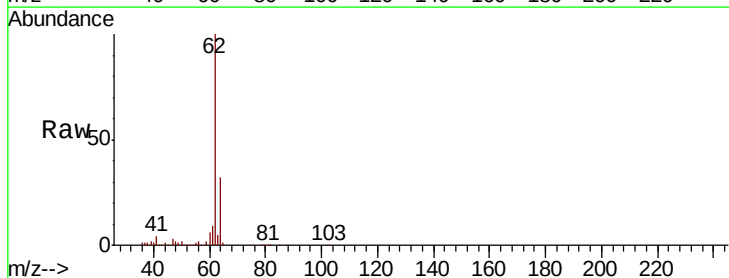
Acq: 08 Oct 2019 12:37

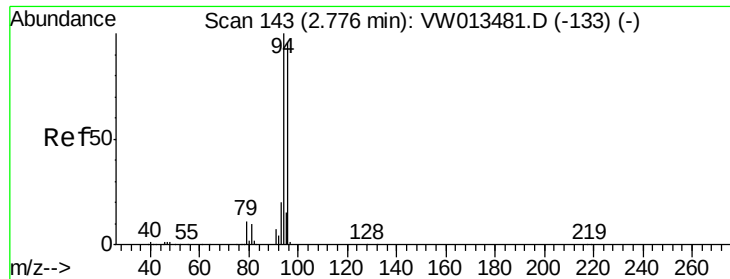
Tgt Ion: 62 Resp: 364610

Ion Ratio Lower Upper

62 100

64 31.8 26.6 39.8





#5

Bromomethane

Concen: 139.430 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 215518

Ion Ratio Lower Upper

94 100

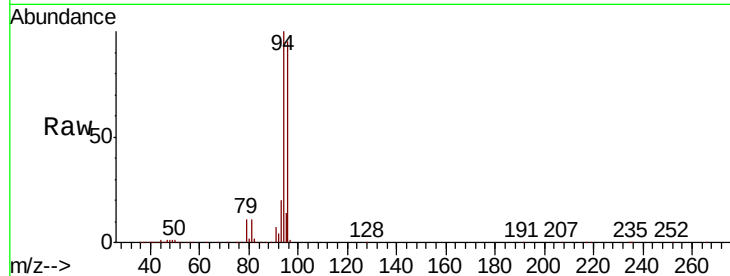
96 94.6 77.0 115.6

Manual Integrations

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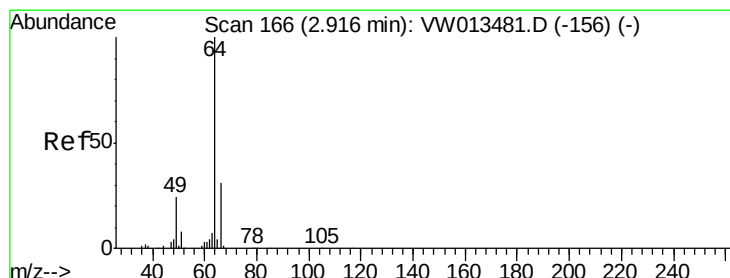
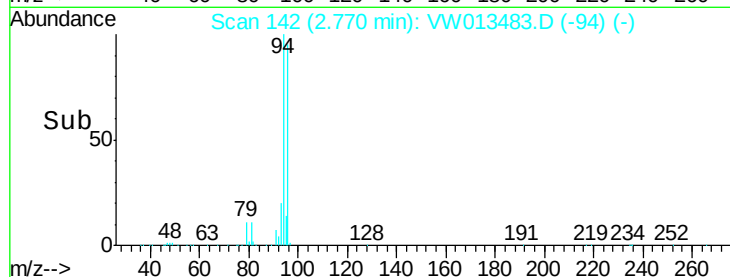
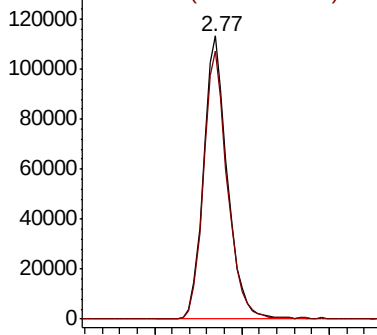
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 144.200 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013483.D

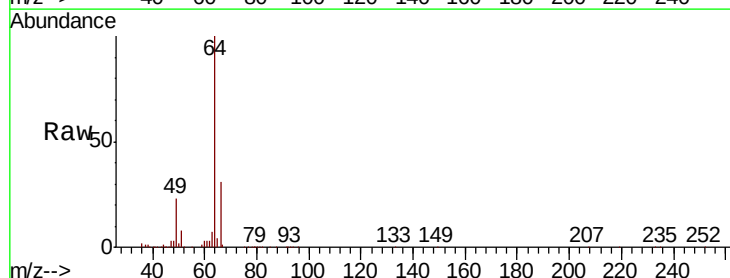
Acq: 08 Oct 2019 12:37

Tgt Ion: 64 Resp: 209787

Ion Ratio Lower Upper

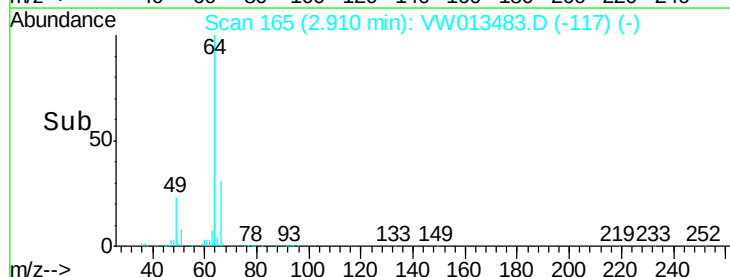
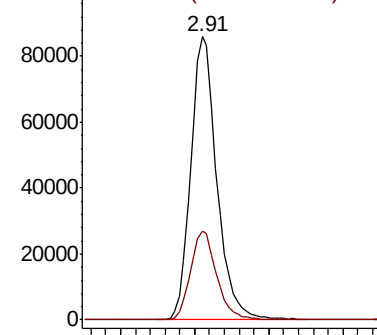
64 100

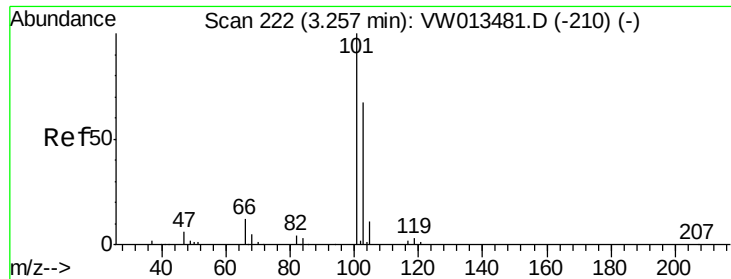
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

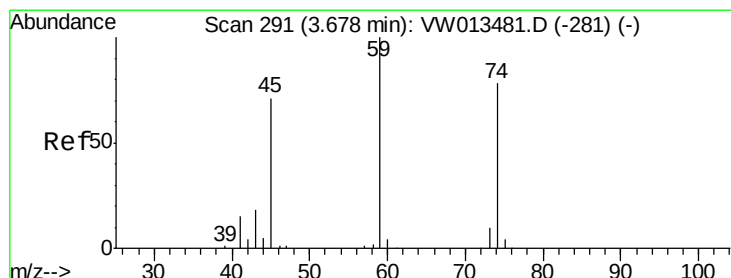
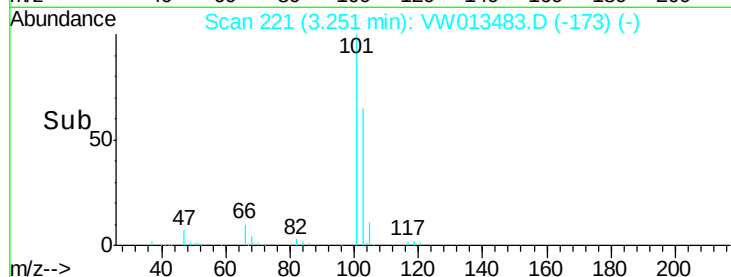
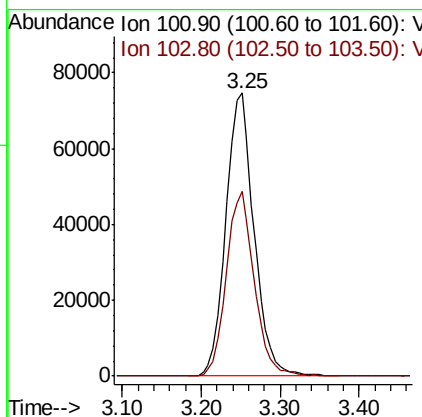
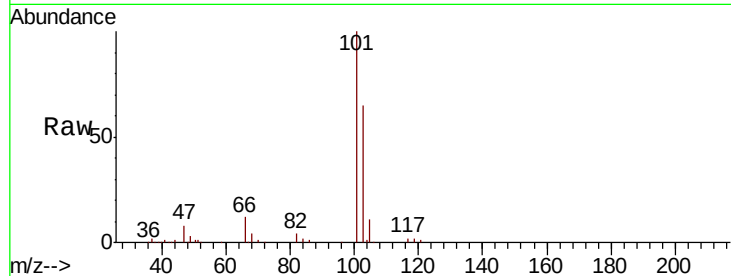
Trichlorofluoromethane
 Concen: 151.801 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.7	80.5

Manual Integrations
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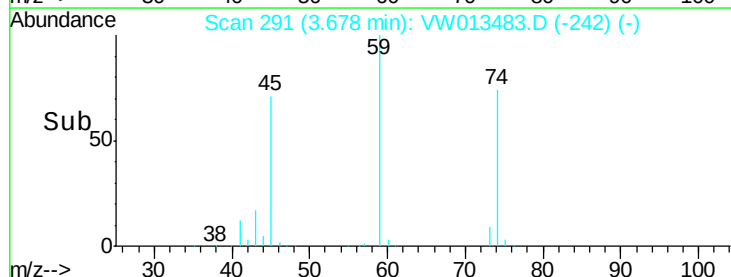
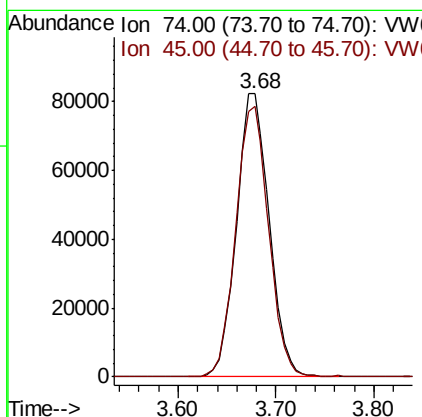
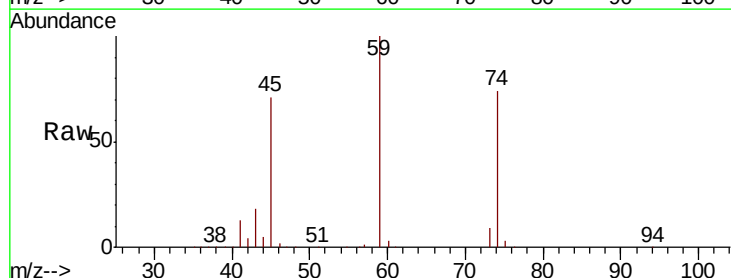
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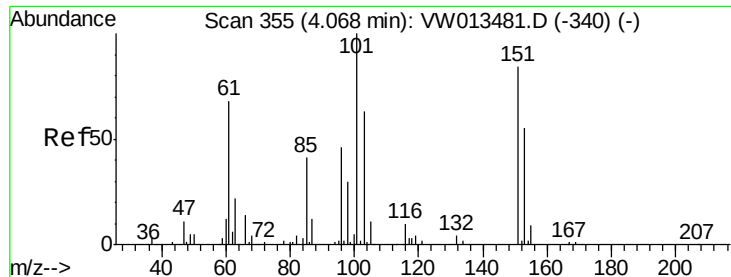


#8

Diethyl Ether
 Concen: 150.342 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.884 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

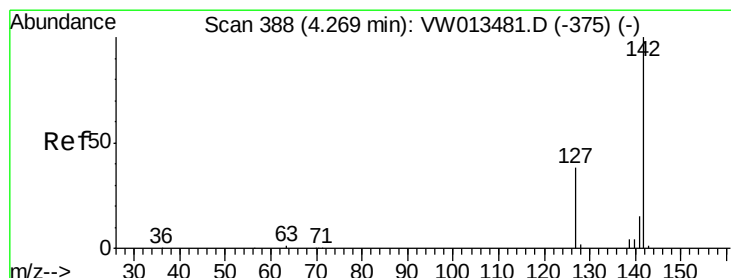
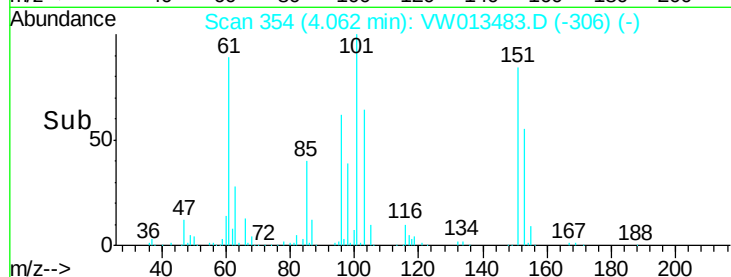
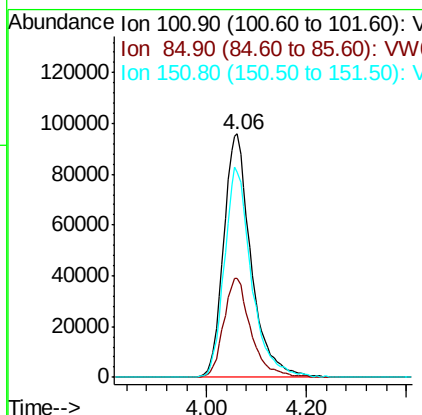
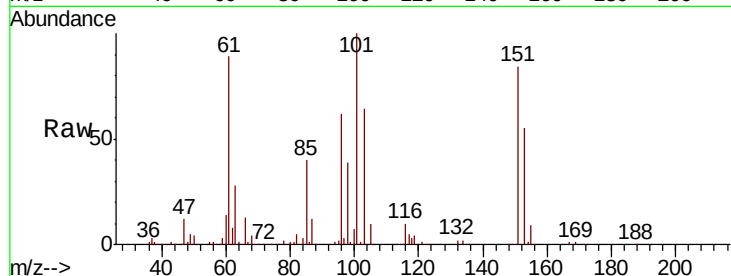
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	365998
Ion Ratio	Lower	Upper	
101	100		
85	40.2	31.6	47.4
151	85.1	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 143.027 ug/l

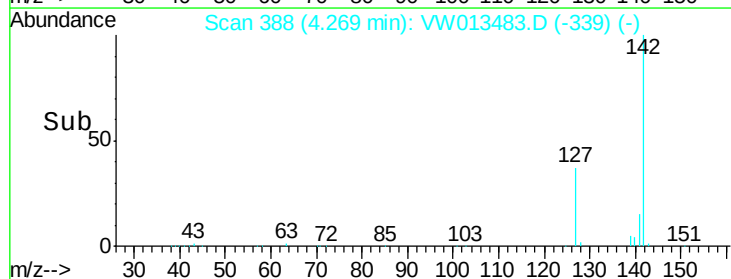
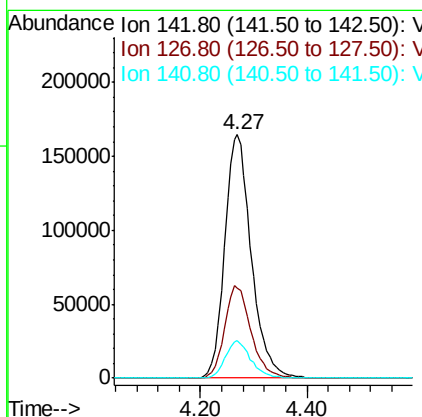
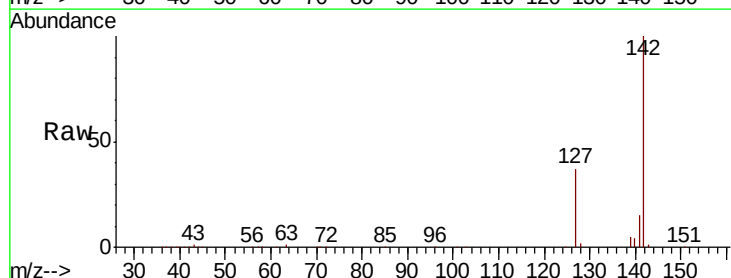
RT: 4.27 min Scan# 388

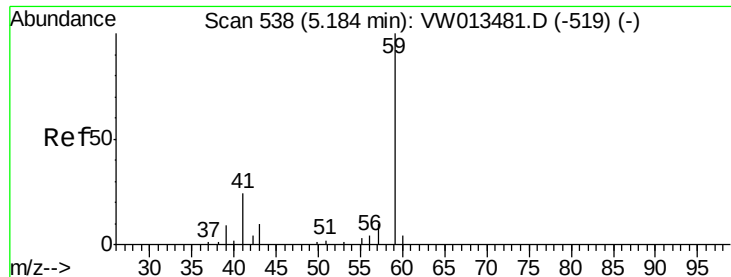
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	142	Resp:	572134
Ion Ratio	Lower	Upper	
142	100		
127	37.5	29.6	44.4
141	14.8	12.1	18.1





#11

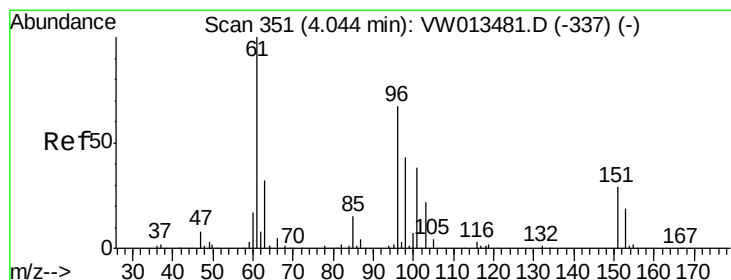
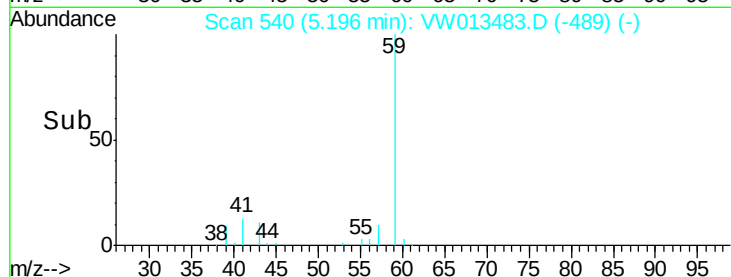
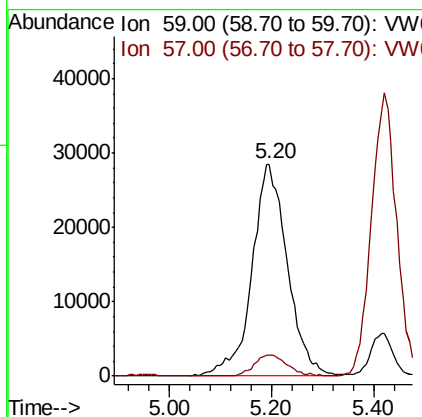
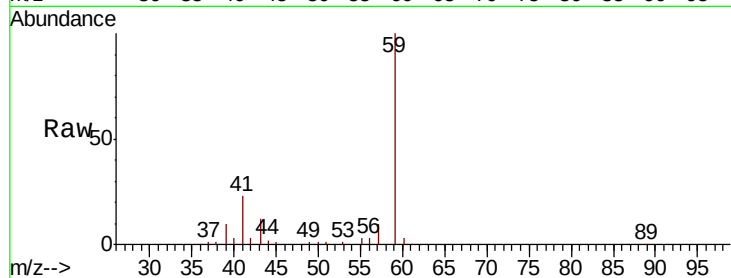
Tert butyl alcohol
Concen: 774.533 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	137205		
57	9.4		8.2	12.4

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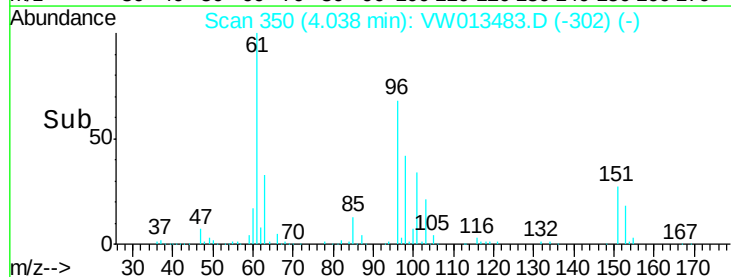
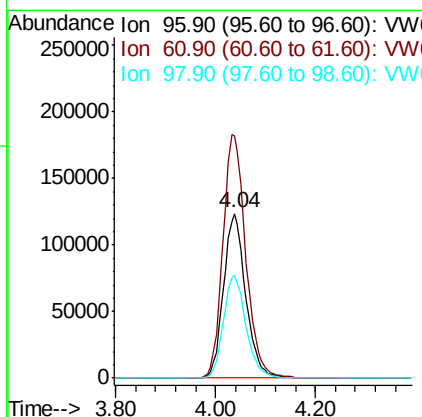
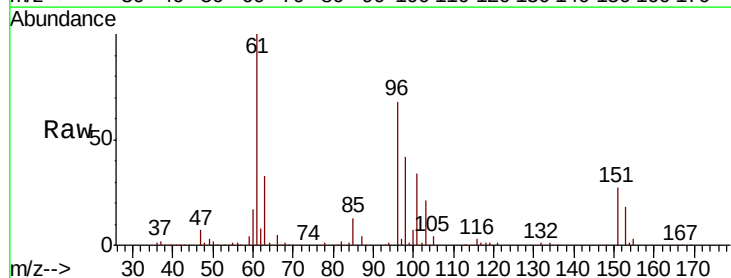
MMDadoda
10/9/2019 4:09:35 PM

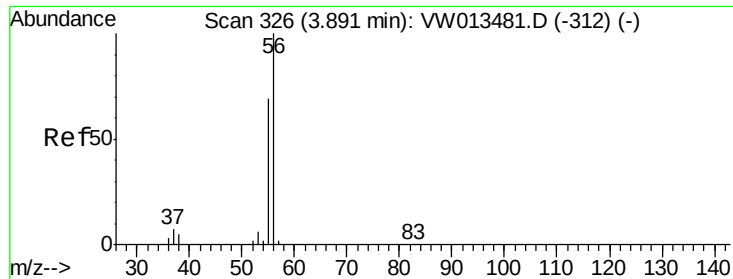


#12

1,1-Dichloroethene
Concen: 146.153 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	382623		
61	147.2		119.4	179.0
98	62.2		51.1	76.7





#13

Acrolein

Concen: 844.189 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 160387

Ion Ratio Lower Upper

56 100

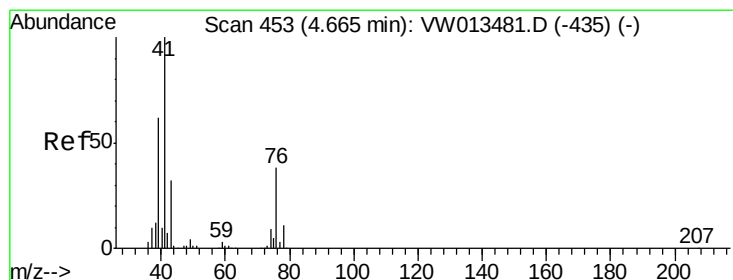
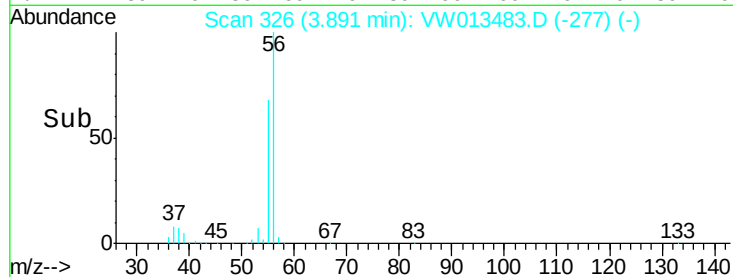
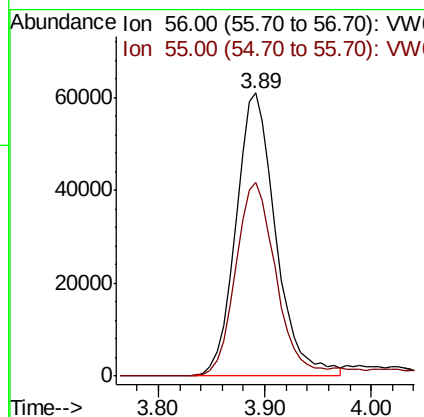
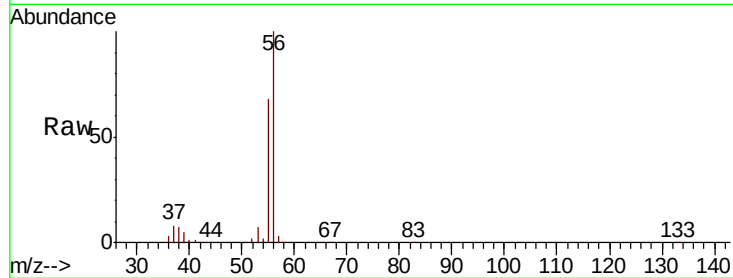
55 68.2 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 147.108 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

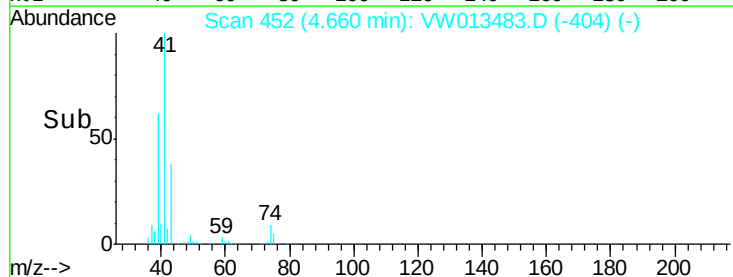
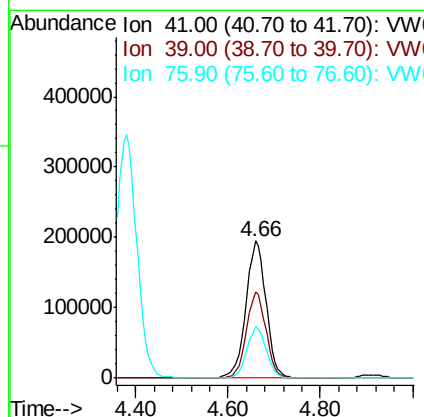
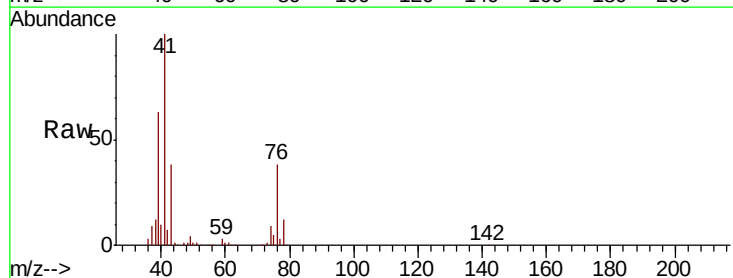
Tgt Ion: 41 Resp: 591844

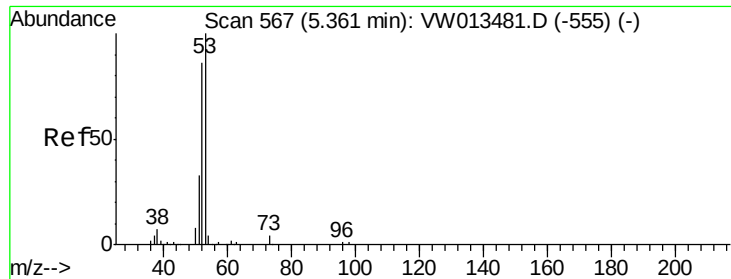
Ion Ratio Lower Upper

41 100

39 61.1 50.1 75.1

76 35.8 29.0 43.4





#15

Acrylonitrile

Concen: 778.564 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

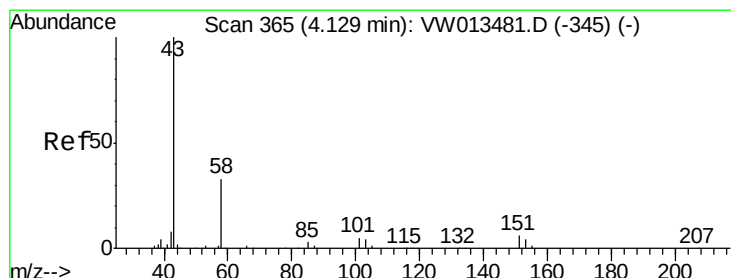
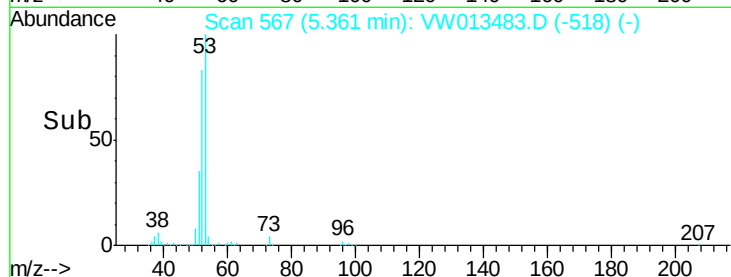
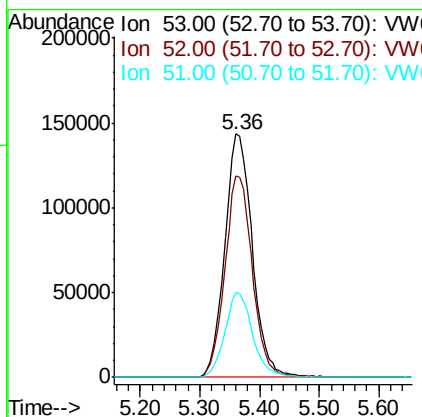
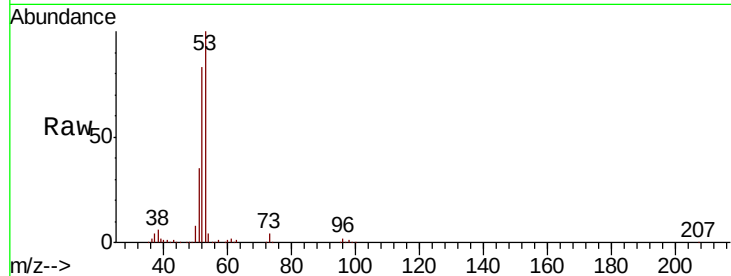
ClientSampleId :

VSTDICC150

Tot Ion:	53	Resp:	461646
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 783.730 ug/l

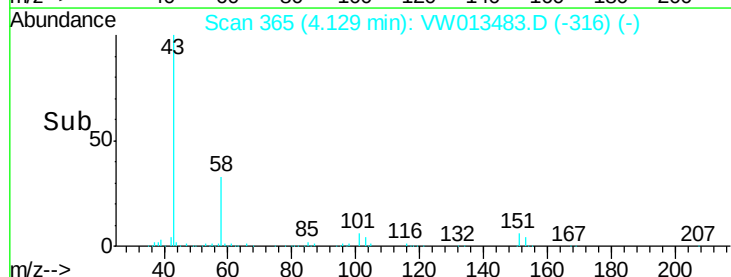
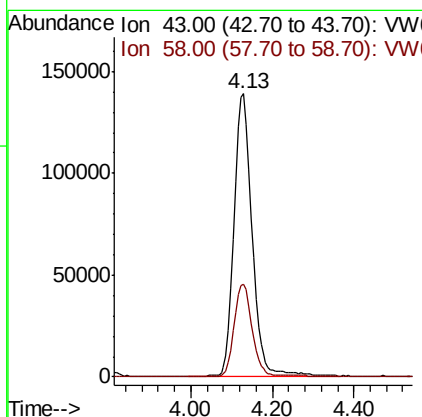
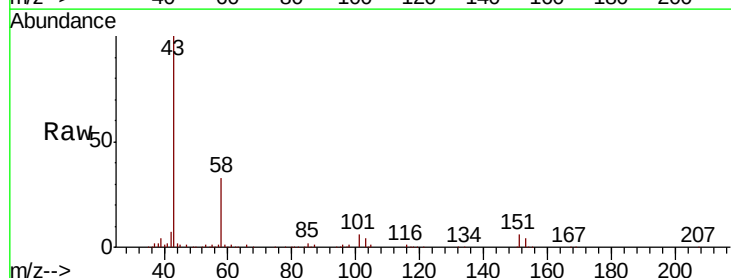
RT: 4.13 min Scan# 365

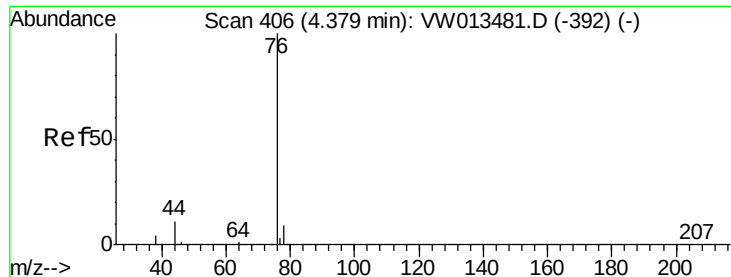
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	43	Resp:	425030
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.1	39.1





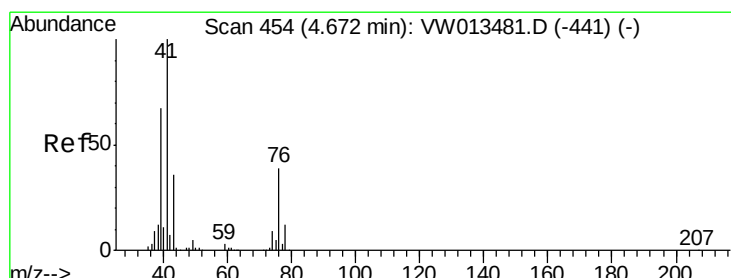
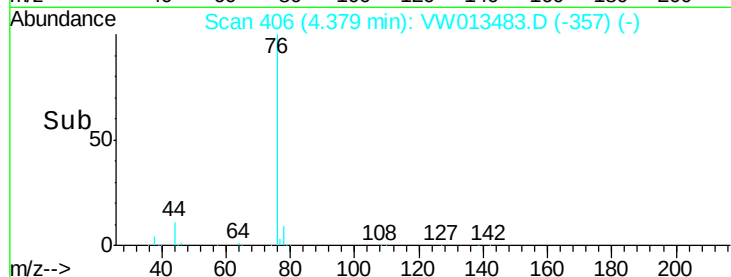
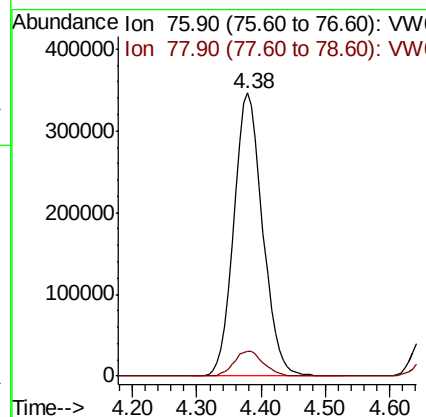
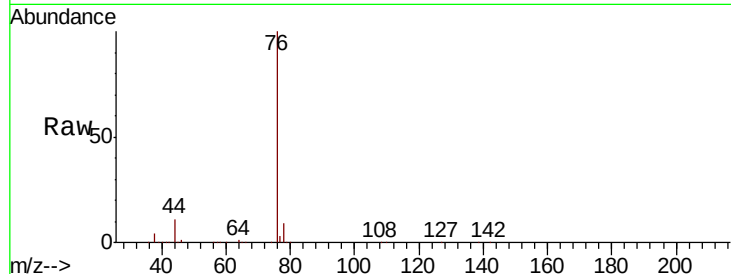
#17
Carbon Disulfide
Concen: 146.904 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1079526
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

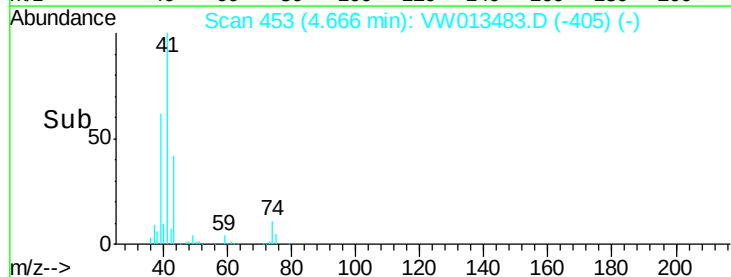
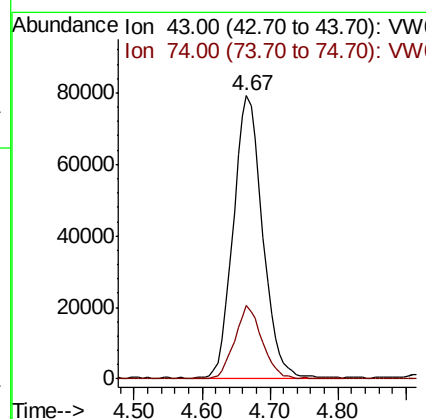
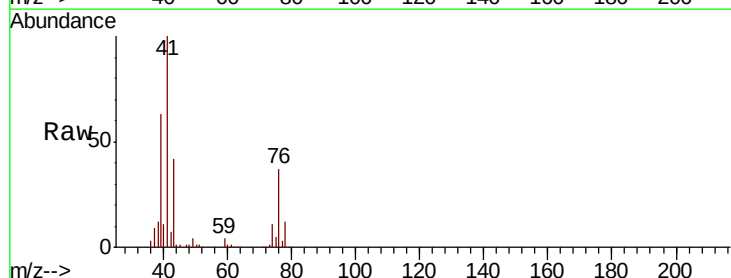
Manual Integrations
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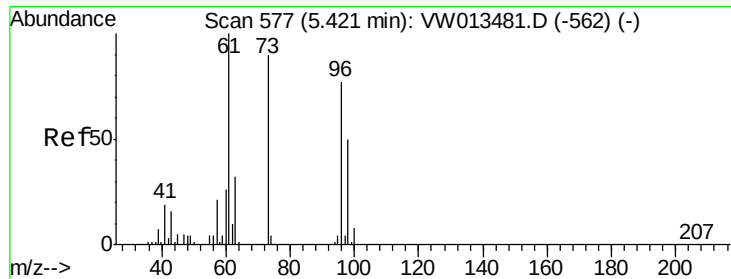
MMDadoda
10/9/2019 4:09:35 PM



#18
Methyl Acetate
Concen: 151.208 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion: 43 Resp: 234897
Ion Ratio Lower Upper
43 100
74 24.4 19.6 29.4





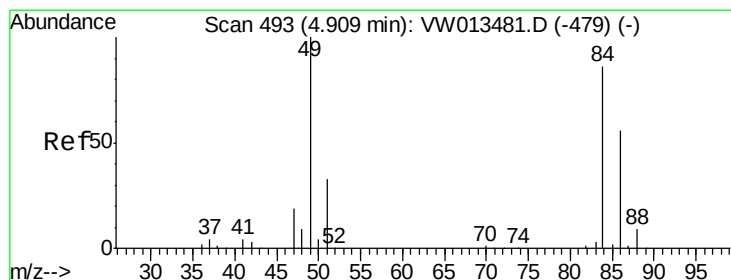
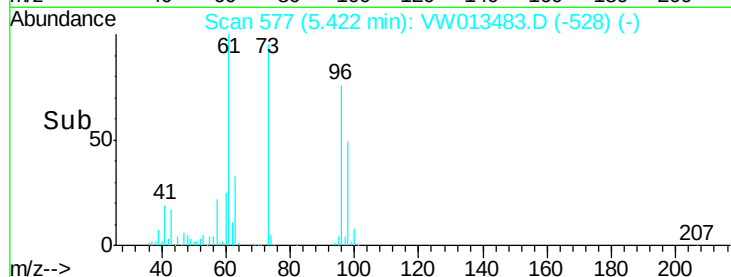
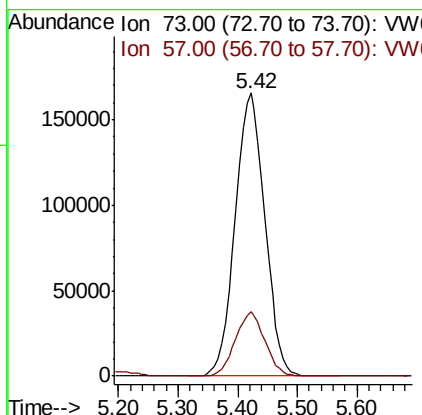
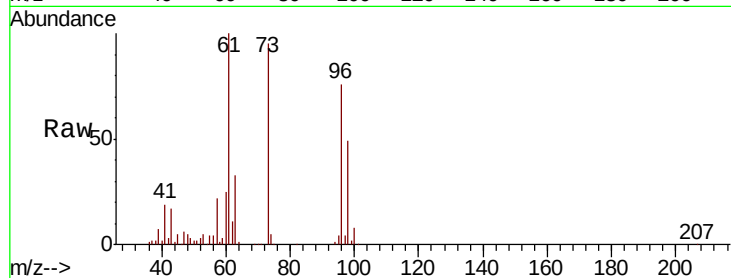
#19
Methyl tert-butyl Ether
Concen: 145.184 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	27.8

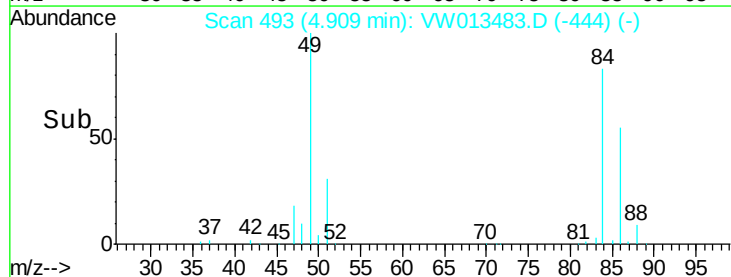
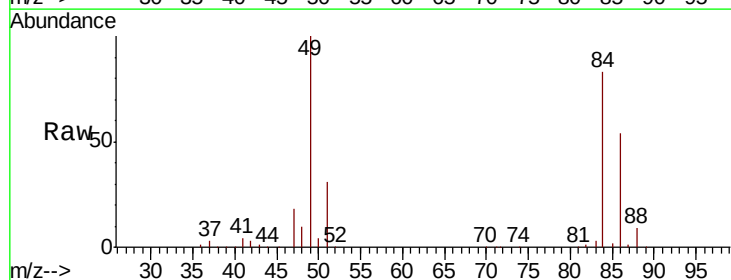
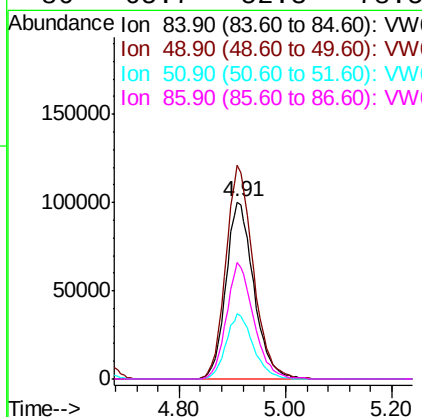
Manual Integrations
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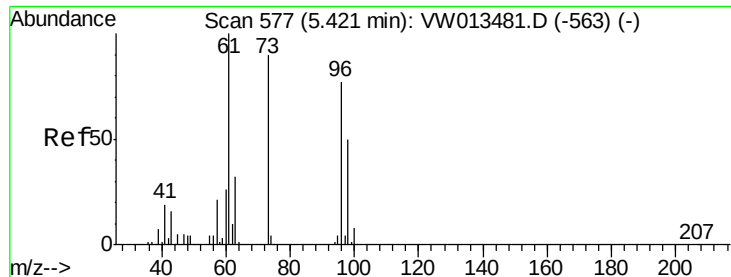
MMDadoda
10/9/2019 4:09:35 PM



#20
Methylene Chloride
Concen: 122.621 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	93.4	140.0
51	37.1	30.6	46.0
86	65.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 144.698 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

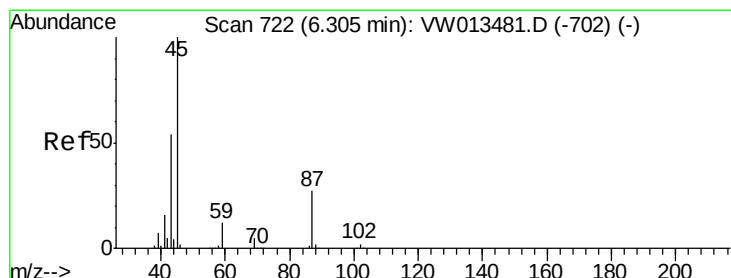
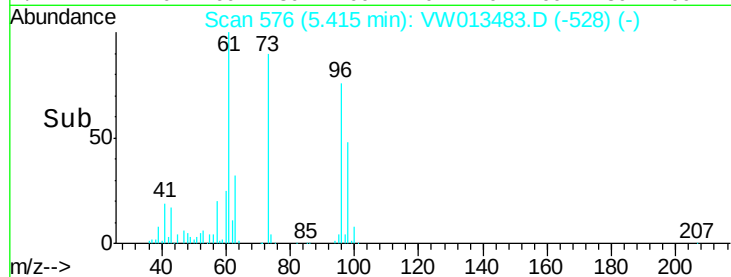
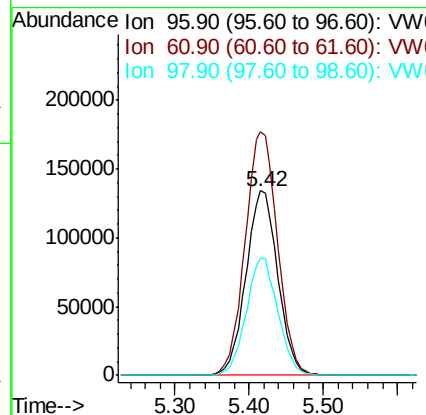
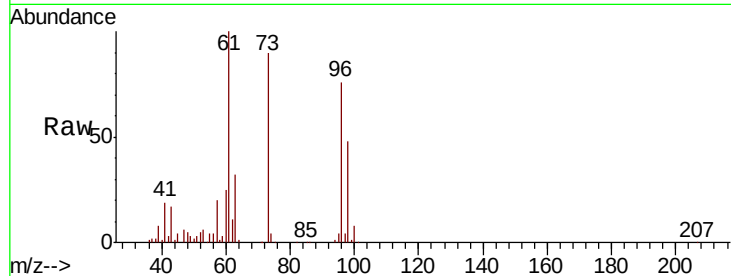
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	402535
Ion	Ratio	Lower	Upper
96	100		
61	132.2	104.3	156.5
98	63.5	51.8	77.8

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#22

Diisopropyl ether

Concen: 145.765 ug/l

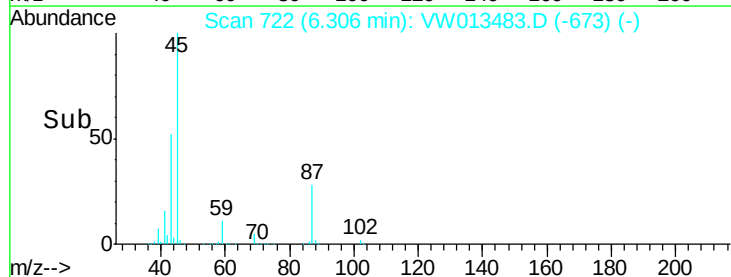
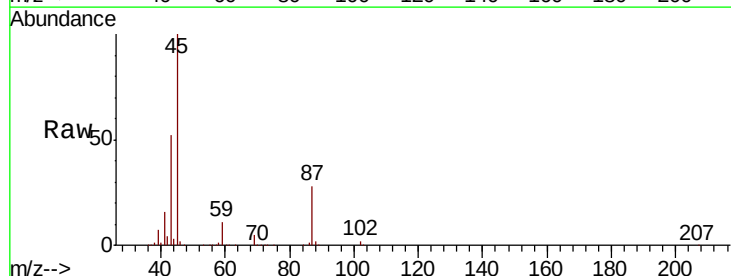
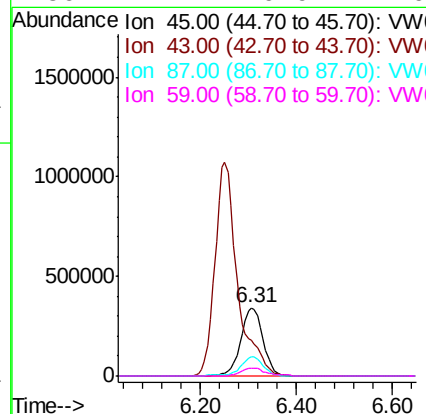
RT: 6.31 min Scan# 722

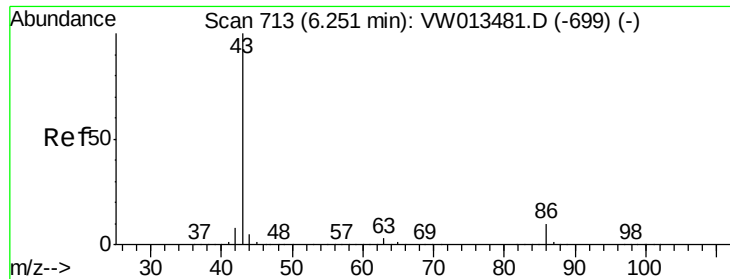
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	45	Resp:	1098764
Ion	Ratio	Lower	Upper
45	100		
43	52.3	43.4	65.0
87	28.1	22.1	33.1
59	11.4	9.9	14.9





#23

Vinyl Acetate

Concen: 774.274 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3504012

Ion Ratio Lower Upper

43 100

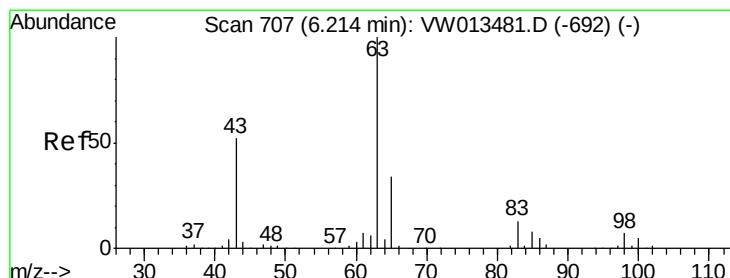
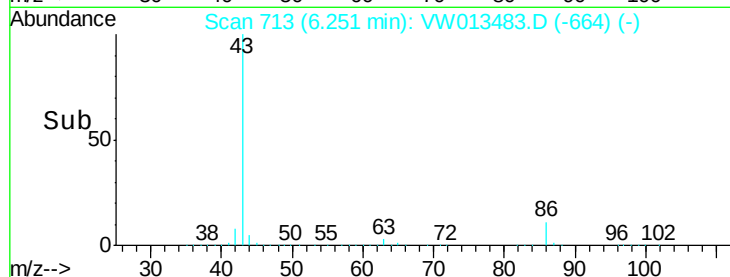
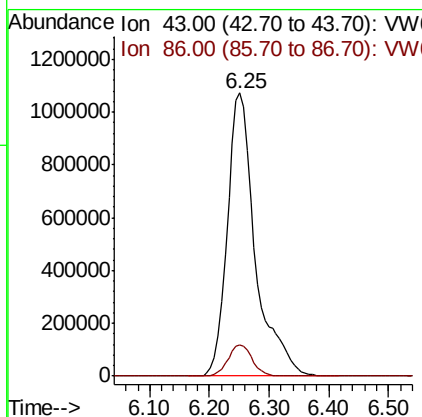
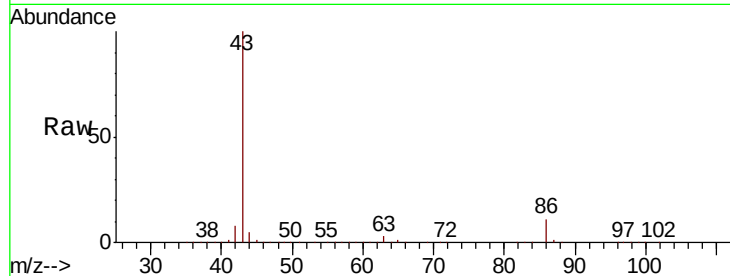
86 11.2 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 145.181 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

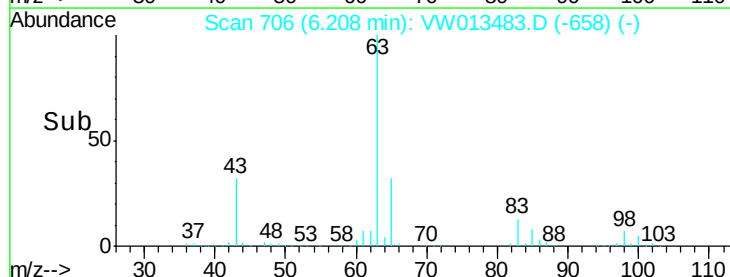
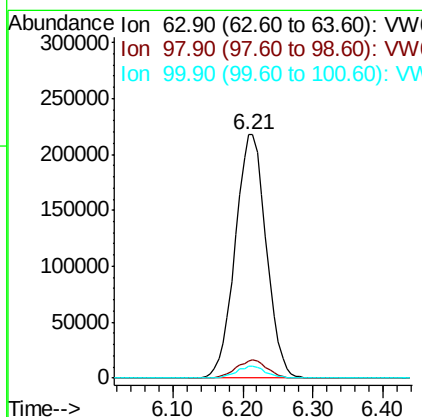
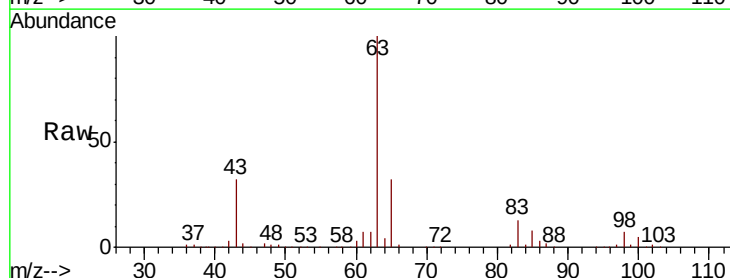
Tgt Ion: 63 Resp: 668887

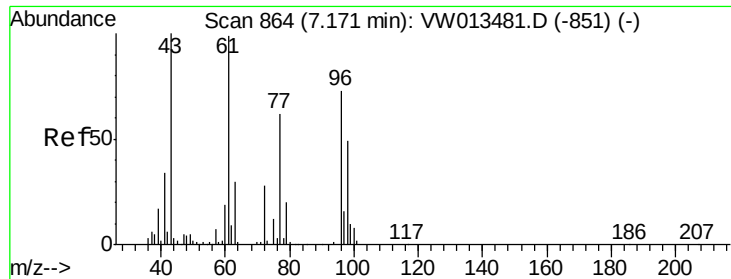
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 5.0 2.3 6.8





#25

2-Butanone

Concen: 751.842 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 600904

Ion Ratio Lower Upper

43 100

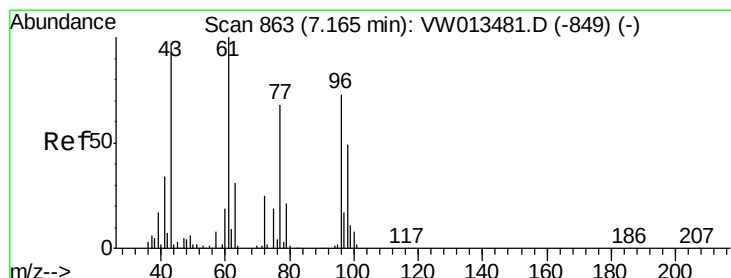
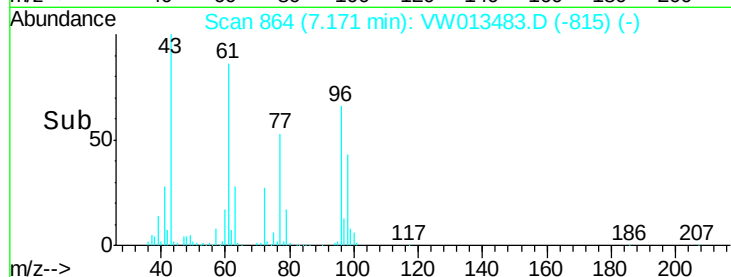
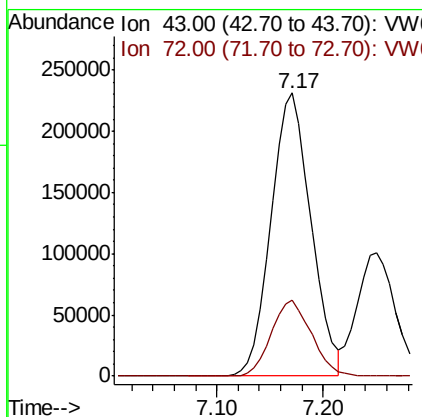
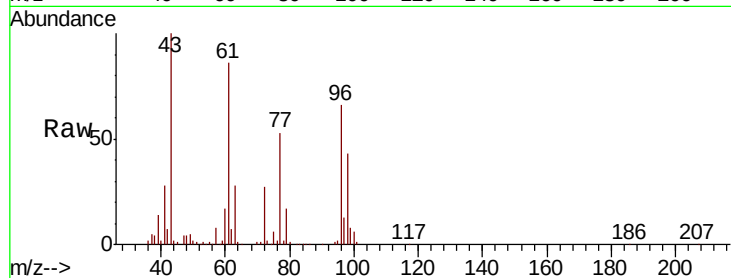
72 27.0 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 131.968 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013483.D

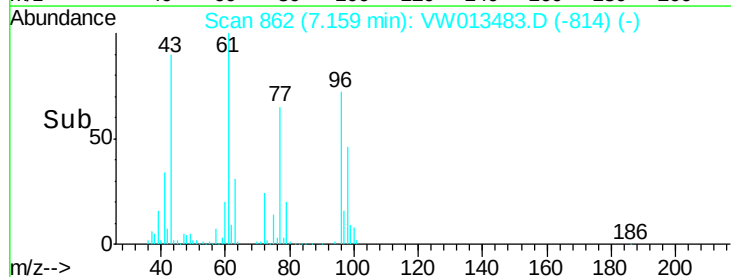
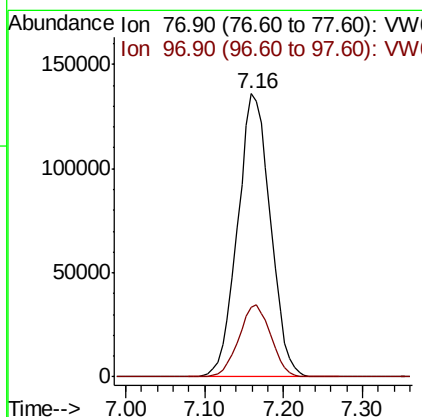
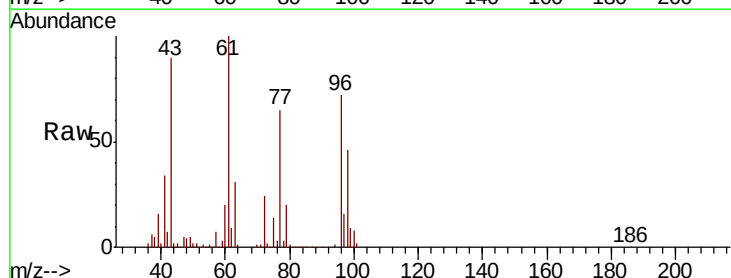
Acq: 08 Oct 2019 12:37

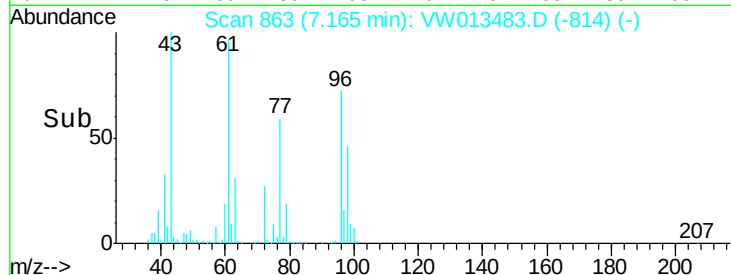
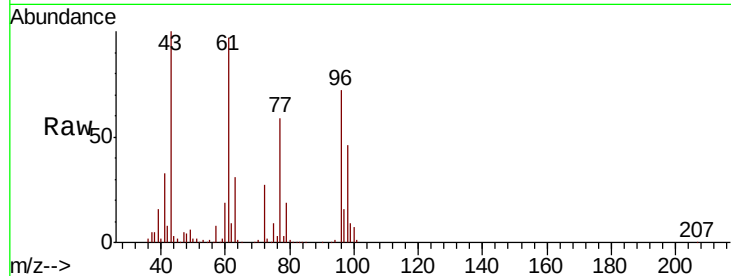
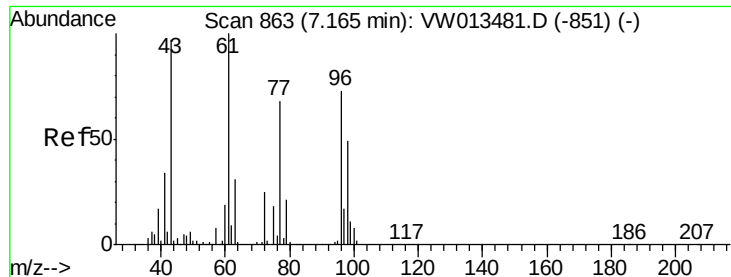
Tgt Ion: 77 Resp: 391961

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6





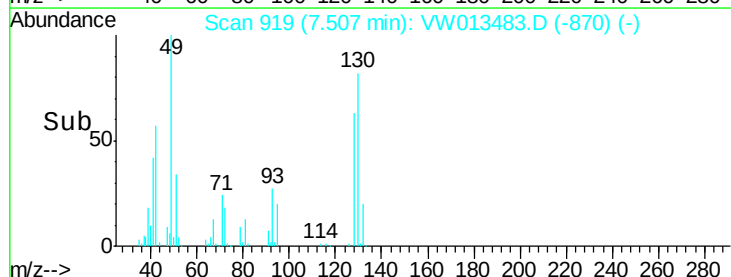
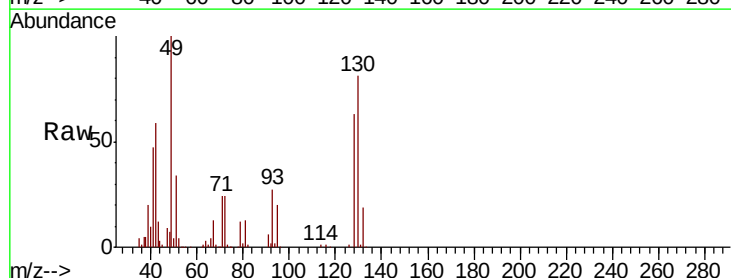
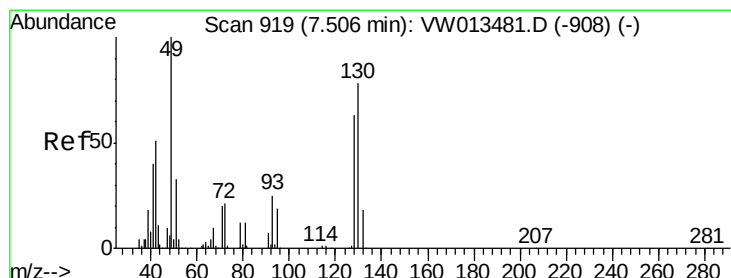
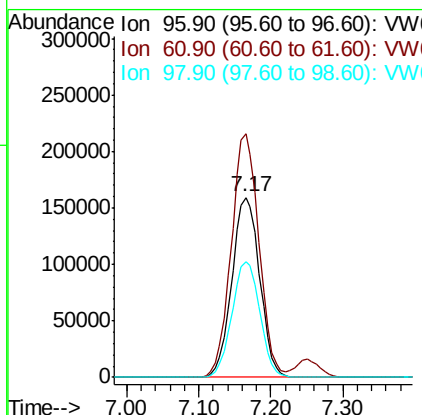
#27
 cis-1,2-Dichloroethene
 Concen: 145.238 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	427523		
61	134.5	0.0	274.4	
98	64.4	0.0	130.2	

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

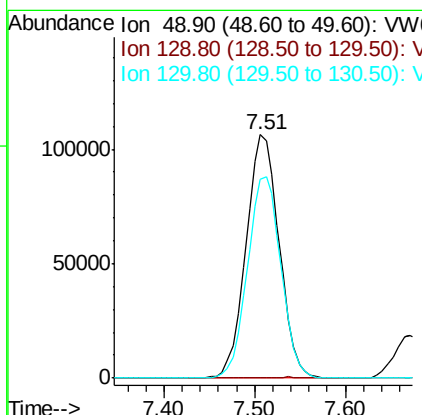
Manual Integrations
 APPROVED

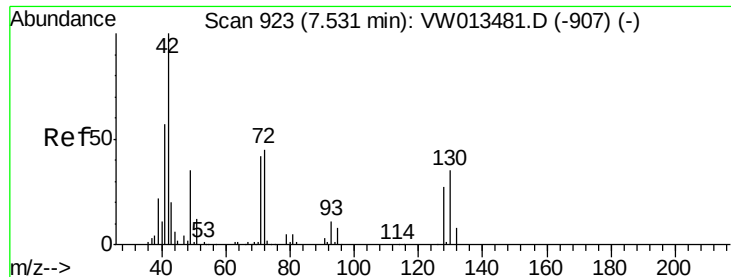
MMDadoda
 10/9/2019 4:09:35 PM



#28
 Bromochloromethane
 Concen: 163.169 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	268115		
129	0.0	0.0	1.6	
130	83.7	0.0	0.0#	





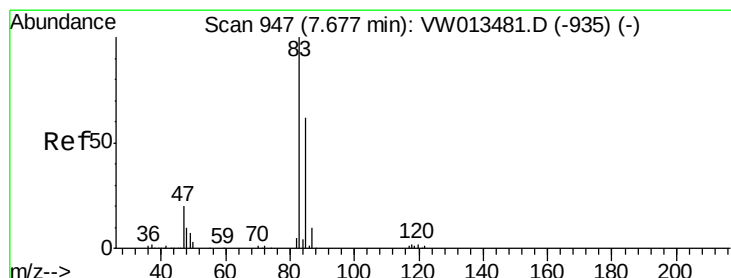
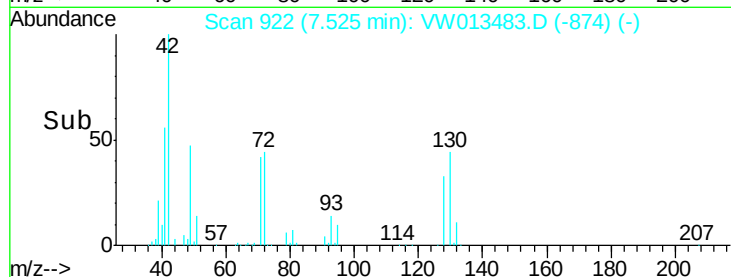
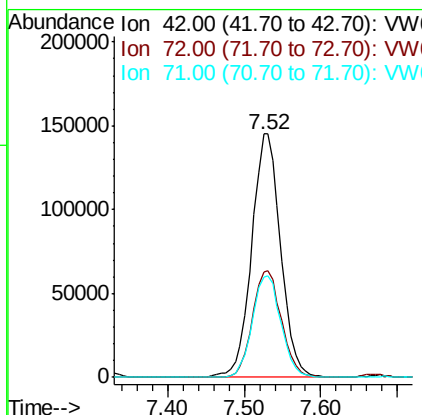
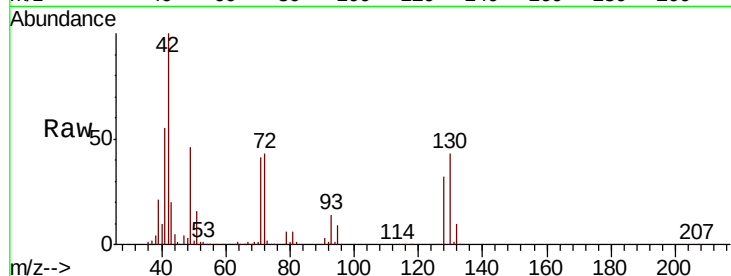
#29
Tetrahydrofuran
Concen: 784.460 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.8	52.2
71	41.4	33.6	50.4

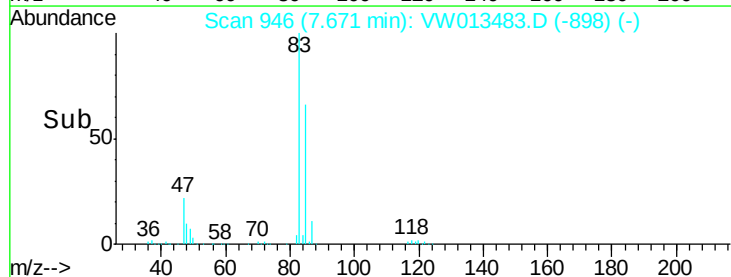
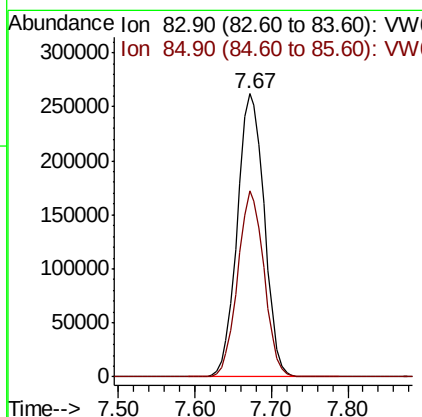
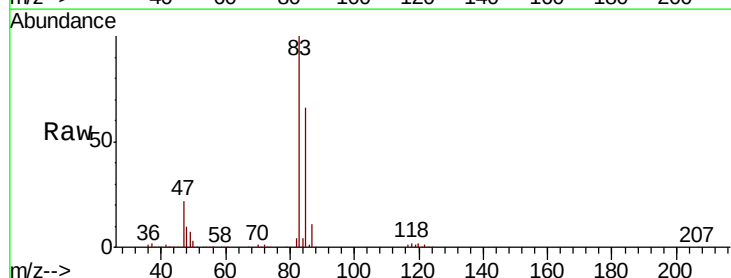
Manual Integrations
APPROVED

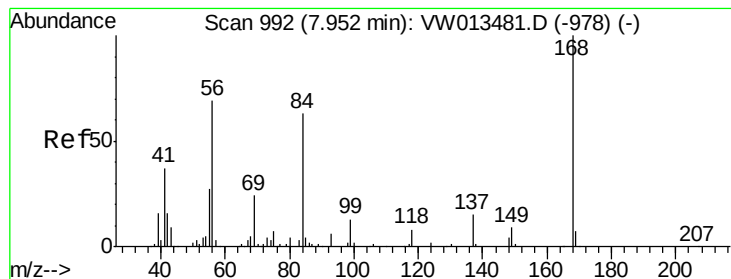
MMDadoda
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#30
Chloroform
Concen: 143.705 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.2





#31

Cyclohexane

Concen: 138.724 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 676485

Ion Ratio Lower Upper

56 100

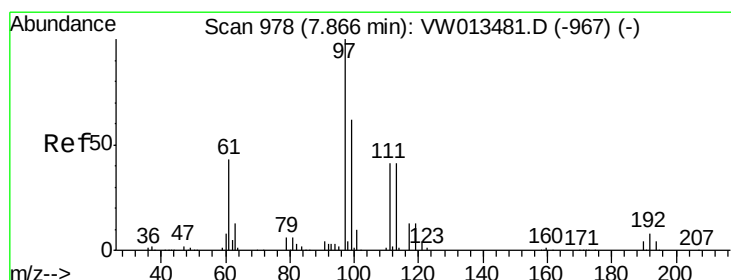
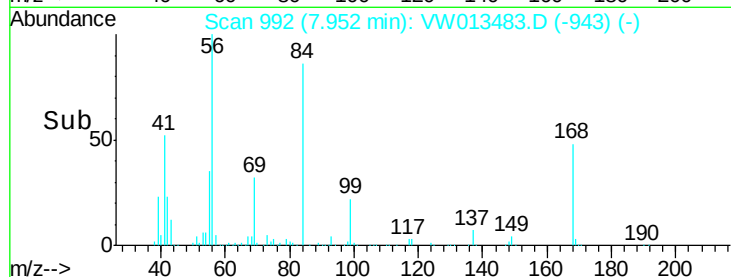
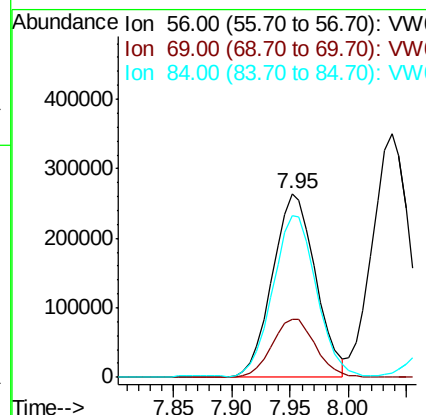
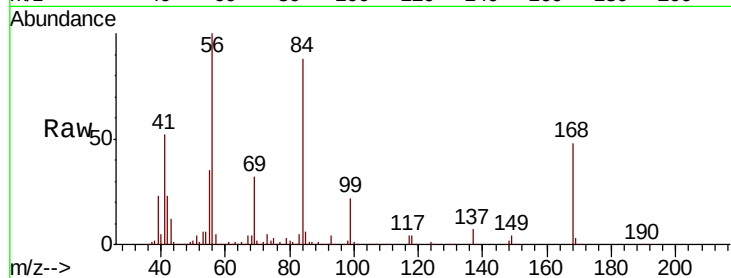
69 31.9 28.0 42.0

84 87.4 71.8 107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 146.032 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

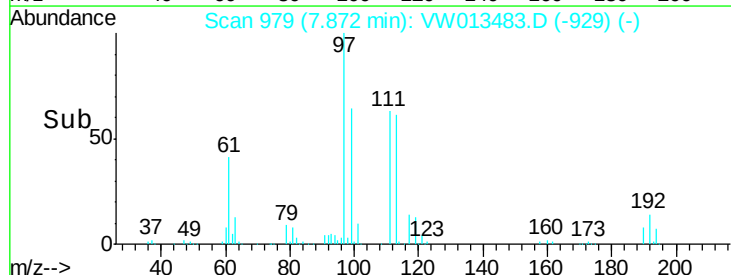
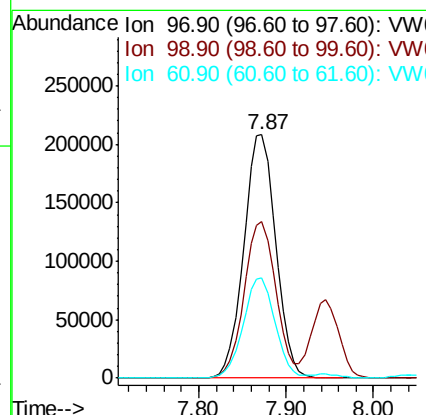
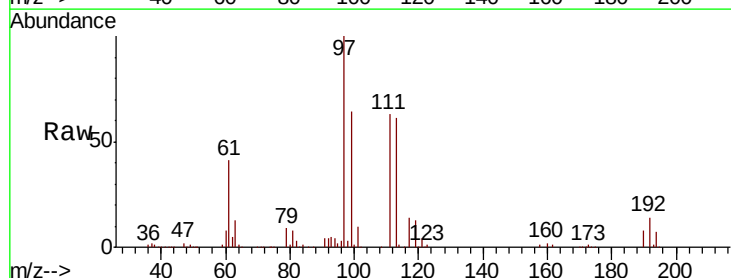
Tgt Ion: 97 Resp: 529025

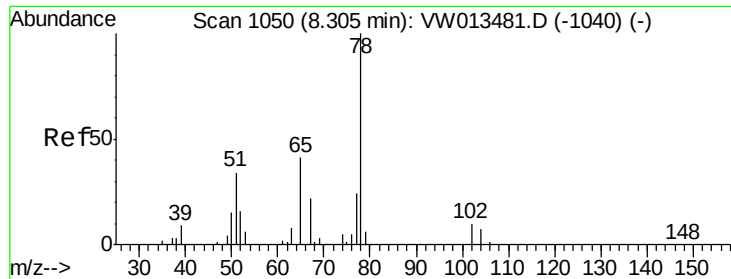
Ion Ratio Lower Upper

97 100

99 64.7 52.3 78.5

61 41.2 33.7 50.5





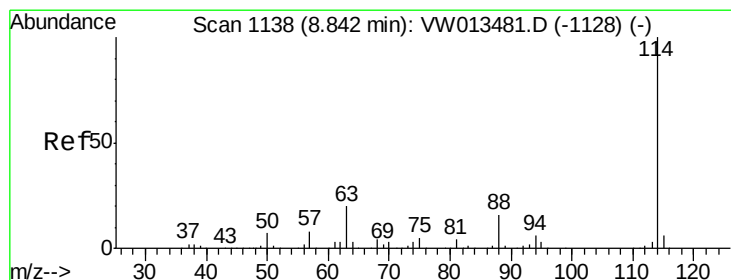
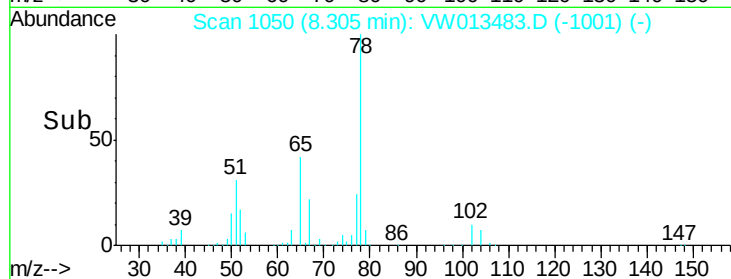
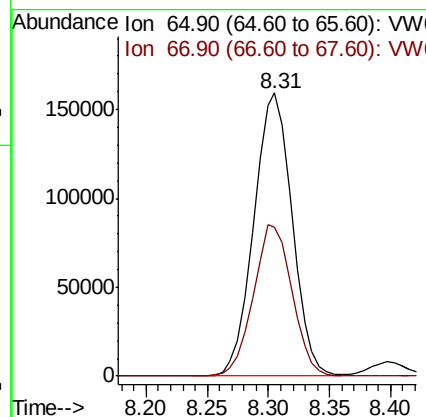
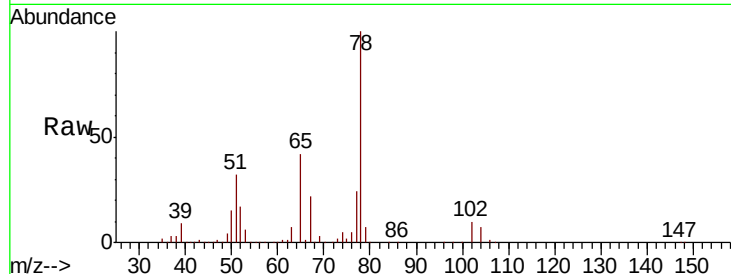
#33
 1,2-Dichloroethane-d4
 Concen: 149.086 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	347439		
67	54.0	0.0	109.4	

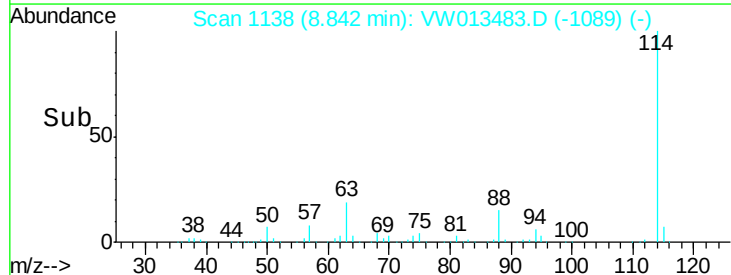
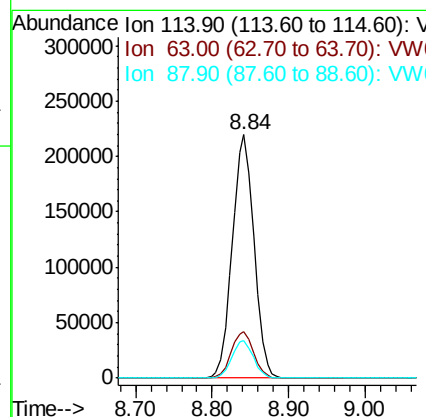
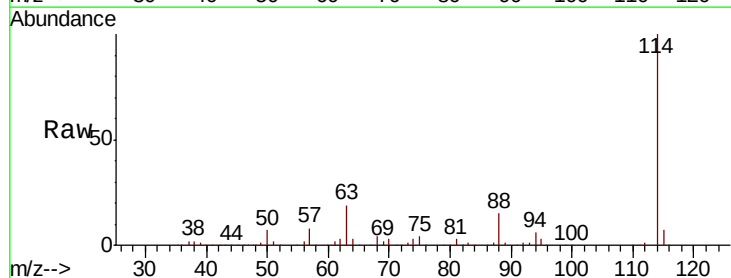
Manual Integrations
 APPROVED

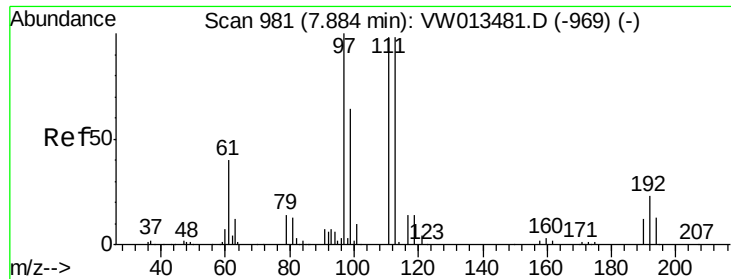
MMDadoda
 10/9/2019 4:09:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	429621		
63	19.2	0.0	40.4	
88	15.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 147.648 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

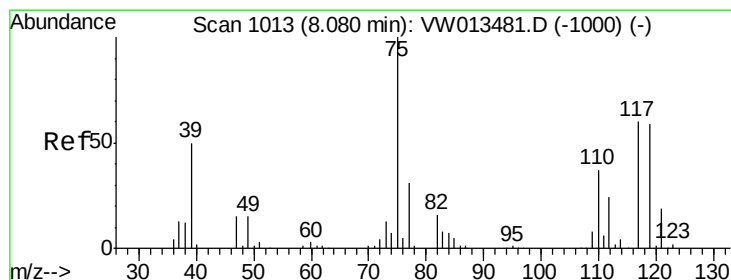
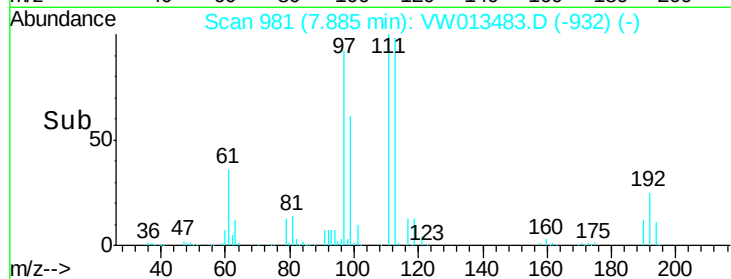
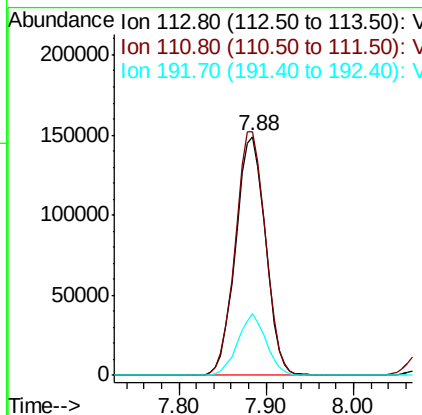
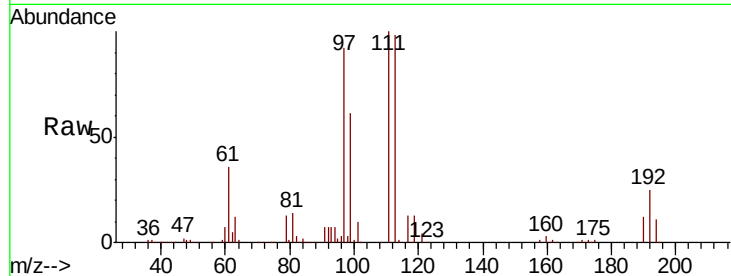
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	354284
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.3	123.5
192	24.4	19.3	28.9

Manual Integrations
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10/9/2019 4:09:35 PM



#36

1,1-Dichloropropene

Concen: 142.467 ug/l

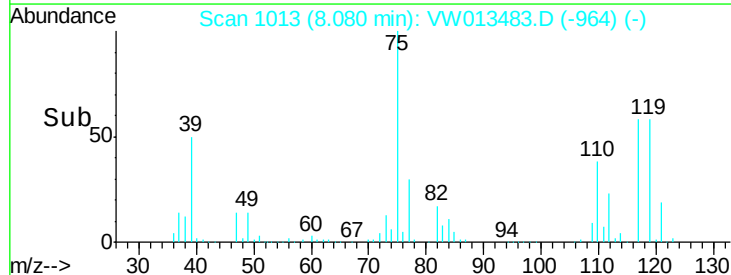
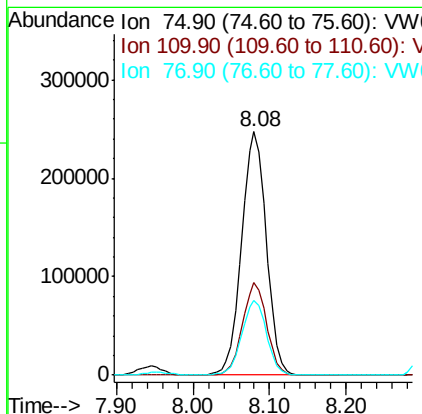
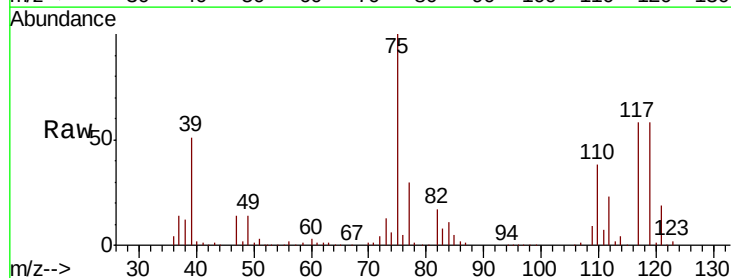
RT: 8.08 min Scan# 1013

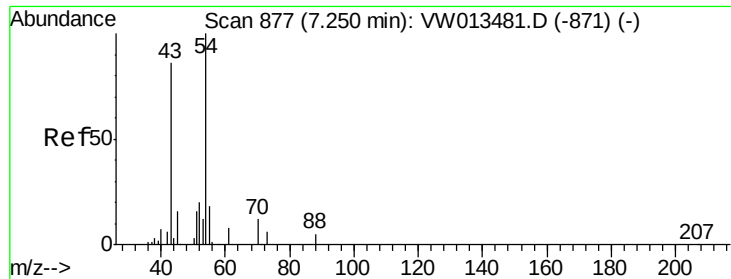
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	75	Resp:	553690
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.2
77	30.9	25.0	37.4





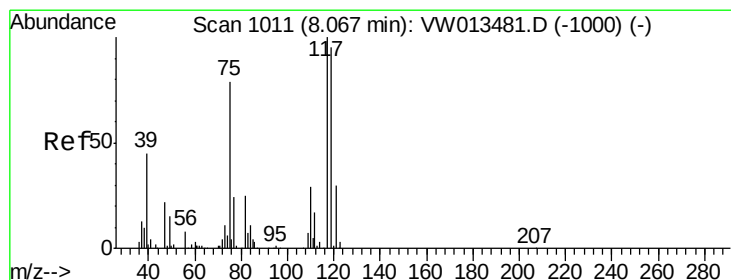
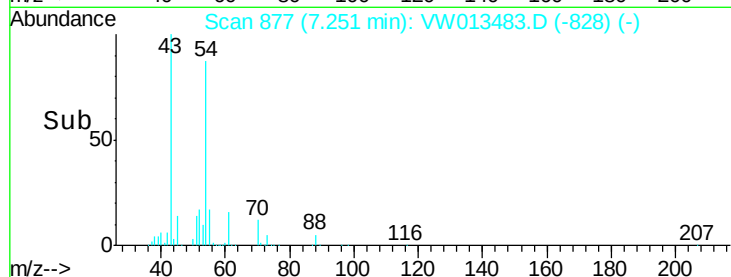
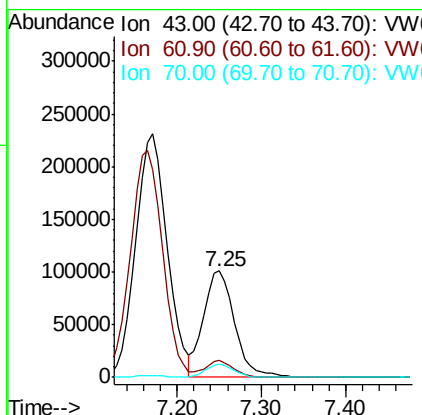
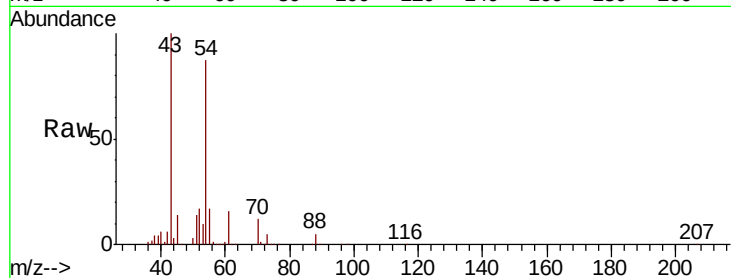
#37
Ethyl Acetate
Concen: 146.760 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	258791
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.9	16.3
70	11.3	9.2	13.8

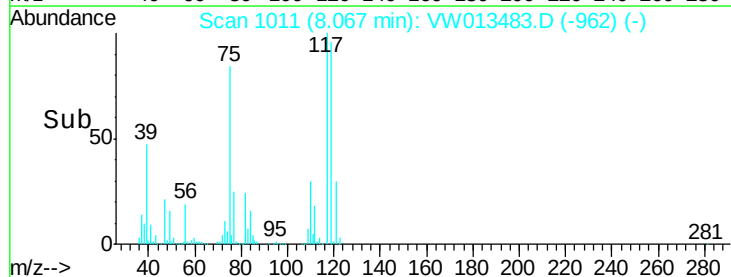
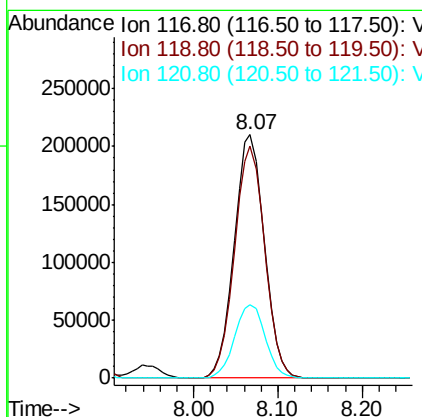
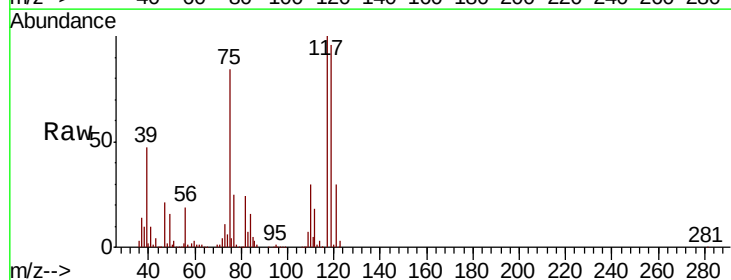
Manual Integrations
APPROVED

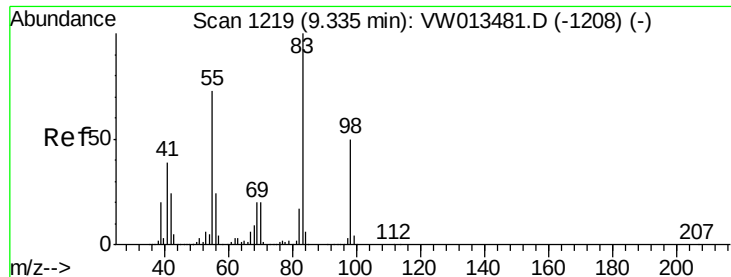
MMDadoda
10/9/2019 4:09:35 PM



#38
Carbon Tetrachloride
Concen: 147.151 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	117	Resp	506977
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.3	114.5
121	30.3	23.6	35.4





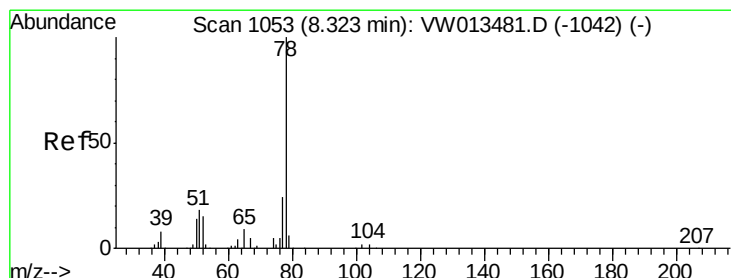
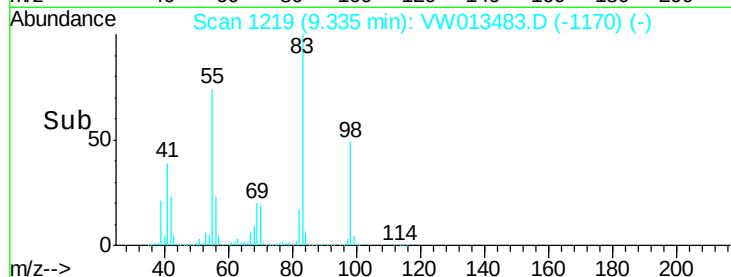
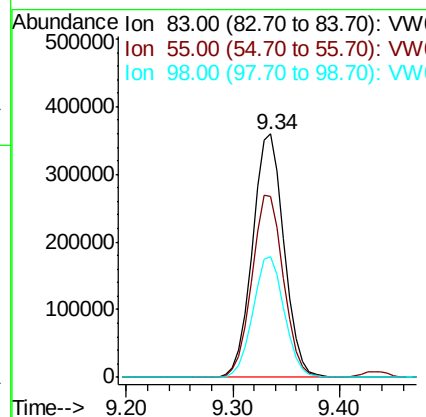
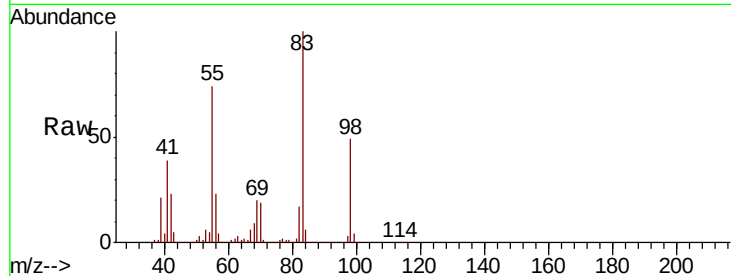
#39
Methylvlcyclohexane
Concen: 148.350 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	58.2	87.4
98	49.4	39.8	59.6

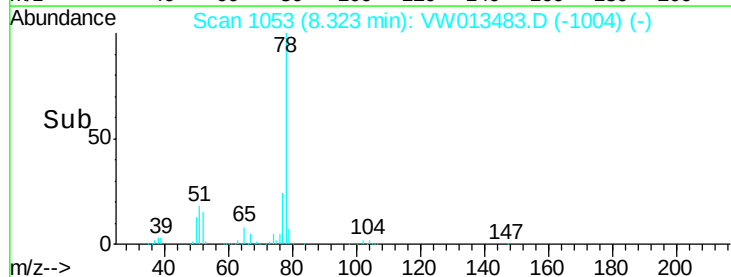
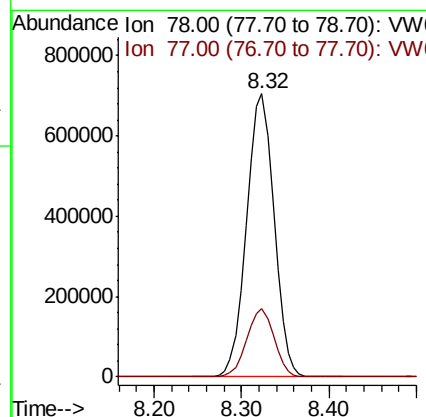
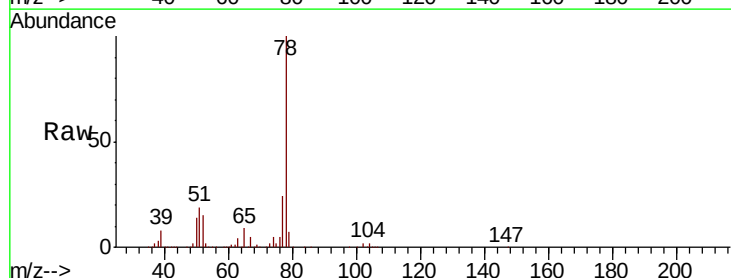
Manual Integrations
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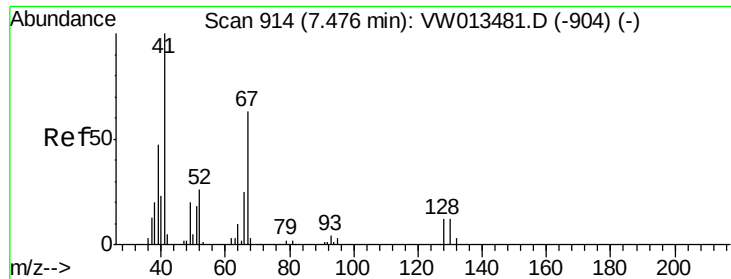
MMDadoda
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#40
Benzene
Concen: 142.388 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





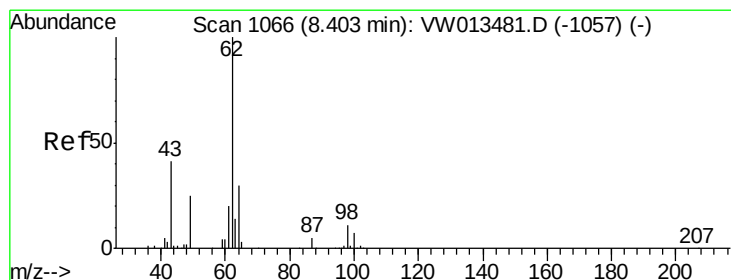
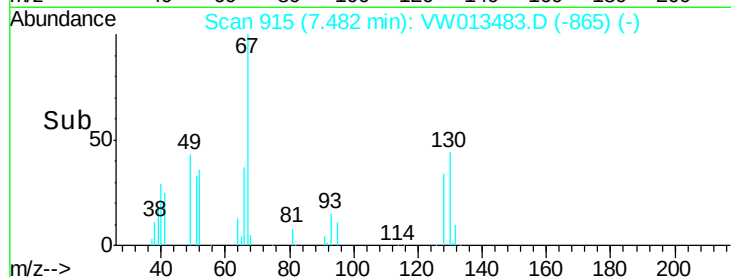
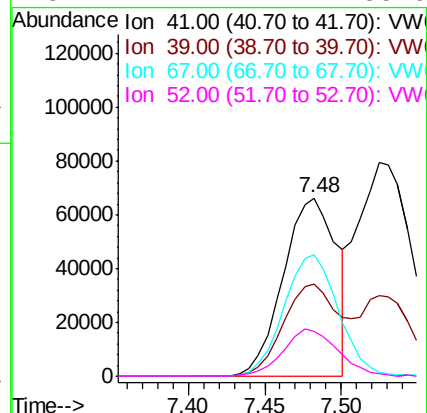
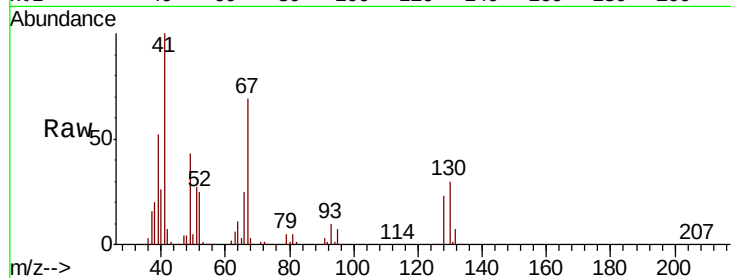
#41
Methacrylonitrile
Concen: 160.142 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		160579		
39	55.9	39.4	59.0		
67	69.9	57.0	85.6		
52	27.4	22.4	33.6		

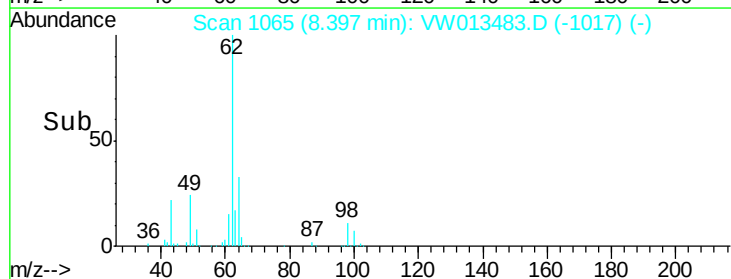
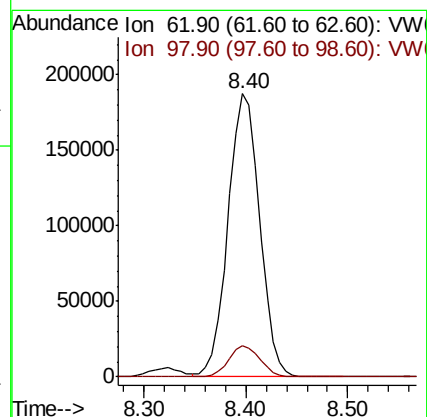
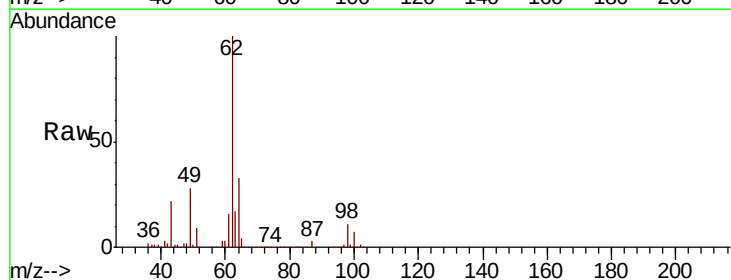
Manual Integrations
APPROVED

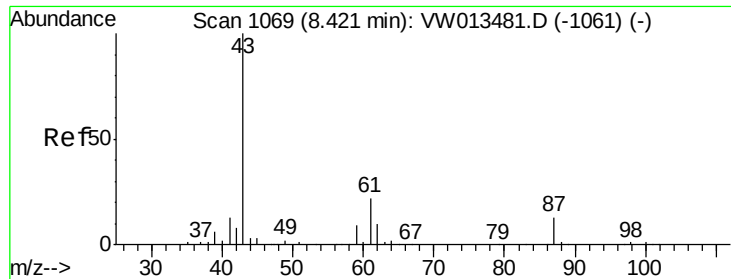
MMDadoda
10/9/2019 4:09:35 PM



#42
1,2-Dichloroethane
Concen: 146.565 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		401908		
98	11.0	0.0	21.4		





#43

Isopropyl Acetate

Concen: 154.794 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

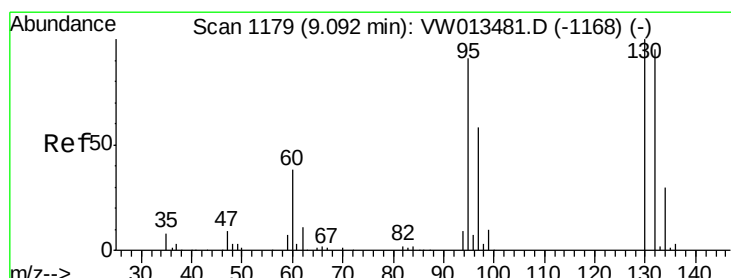
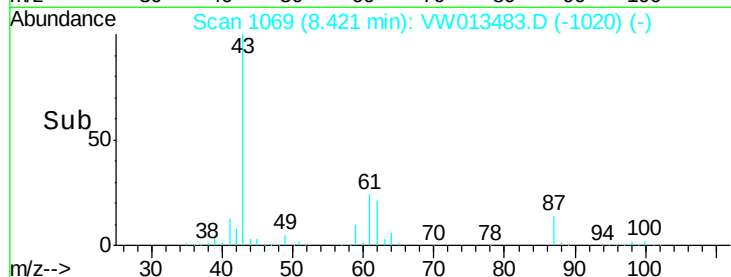
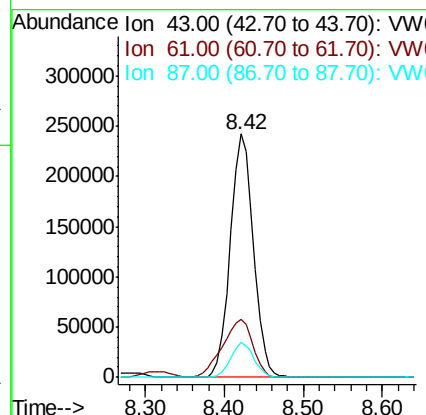
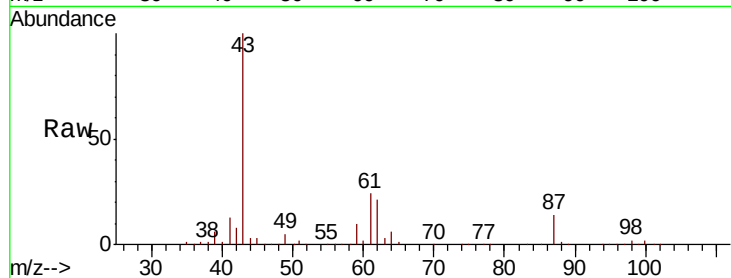
ClientSampleId :

VSTDICC150

Tot Ion:	43	Resp:	493137
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.4	38.2
87	14.2	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 144.885 ug/l

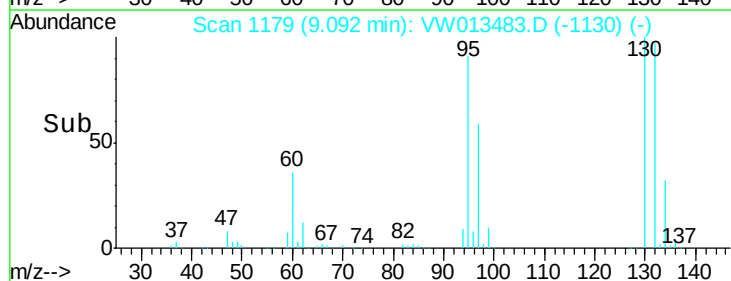
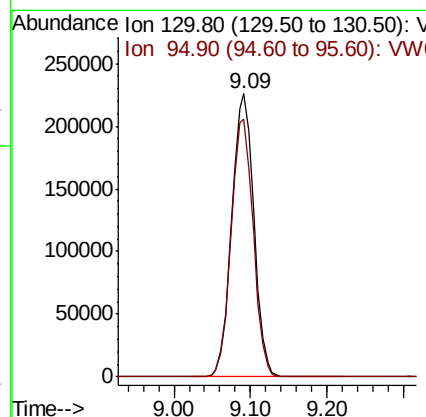
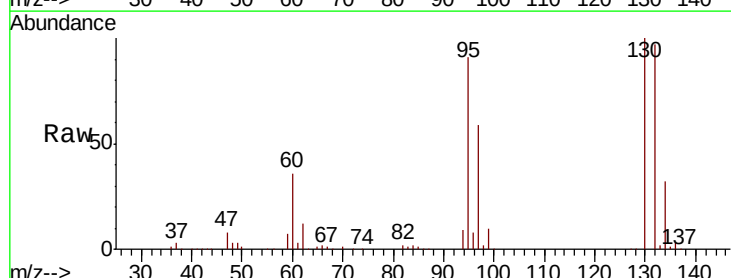
RT: 9.09 min Scan# 1179

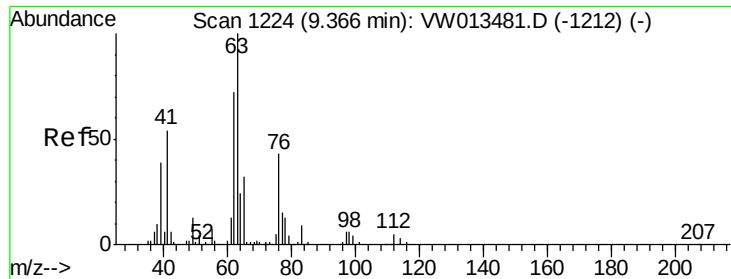
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	130	Resp:	448413
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	182.2





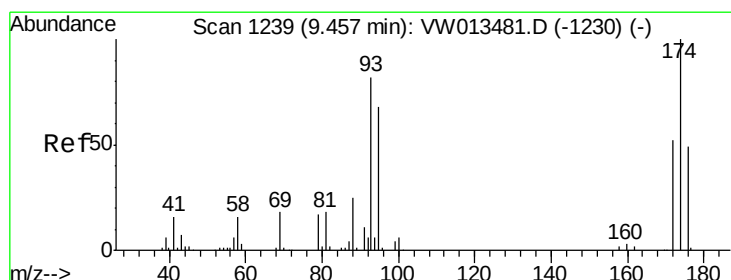
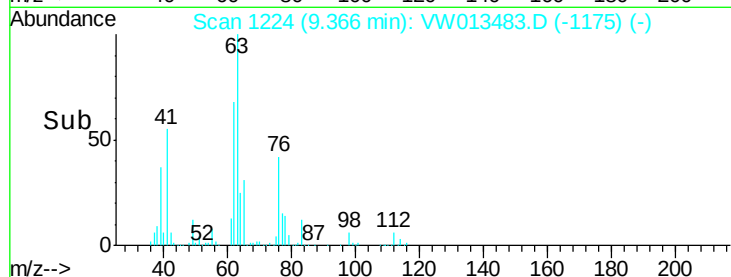
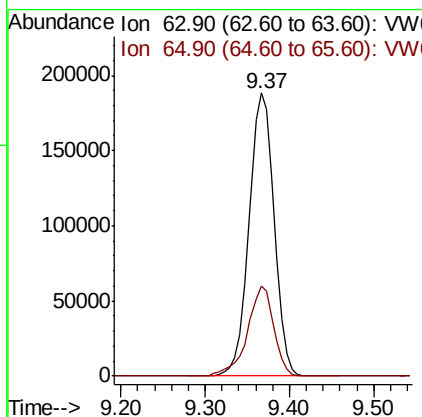
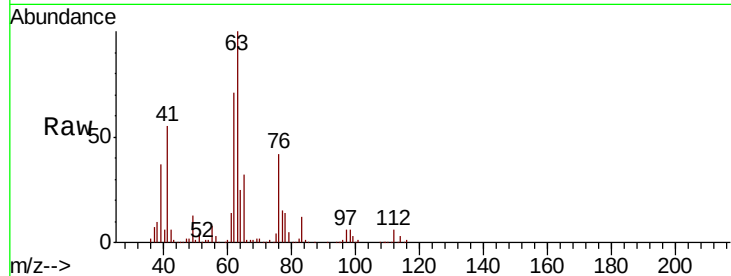
#45
 1,2-Dichloropropane
 Concen: 144.870 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.8	38.6

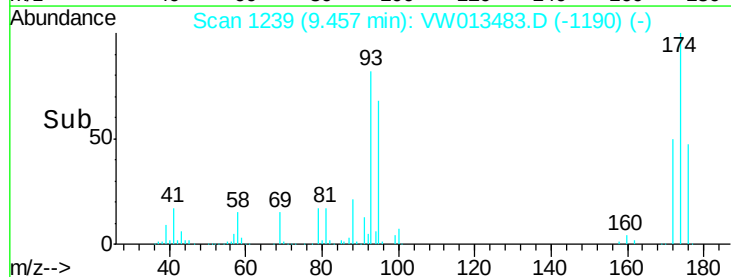
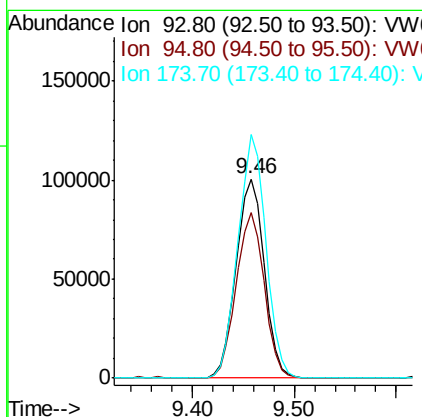
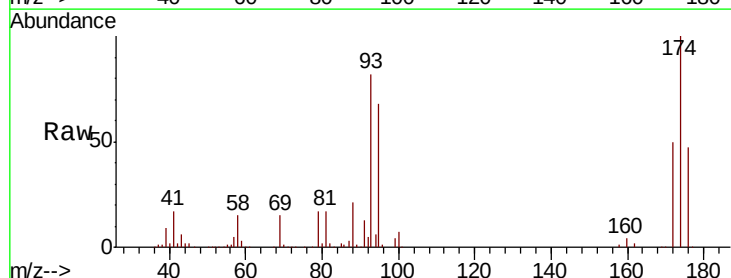
Manual Integrations
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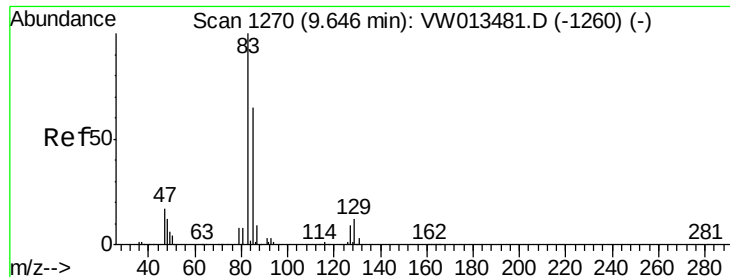
MMDadoda
 10/9/2019 4:09:35 PM



#46
 Dibromomethane
 Concen: 148.917 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	68.0	102.0
174	121.0	97.0	145.6





#47

Bromodichloromethane

Concen: 150.413 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

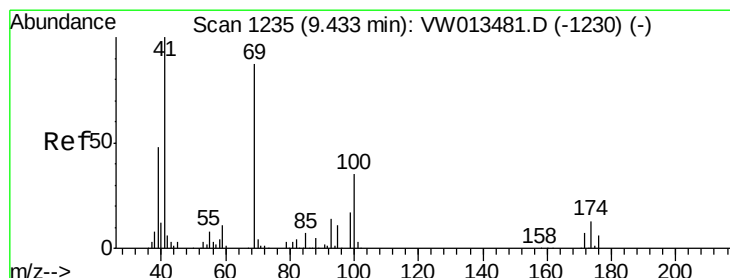
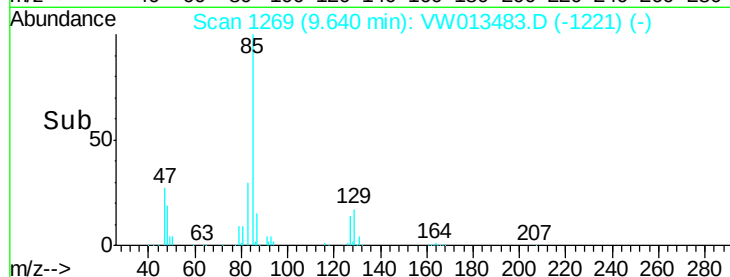
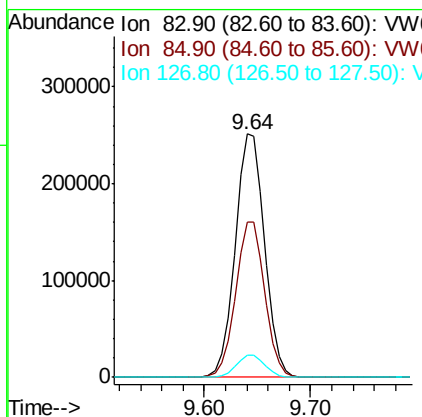
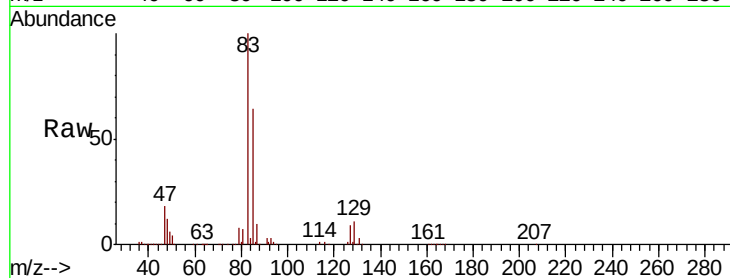
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	485032
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.9	77.9
127	9.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 159.164 ug/l

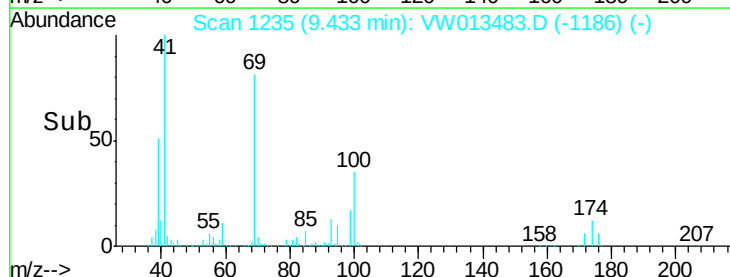
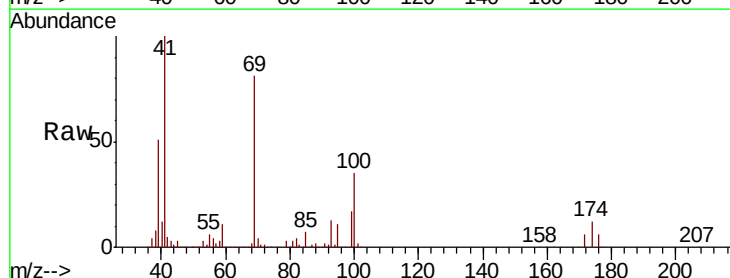
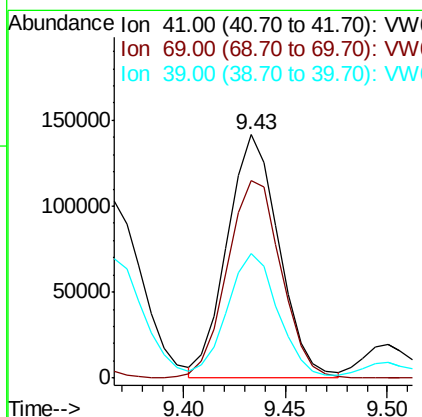
RT: 9.43 min Scan# 1235

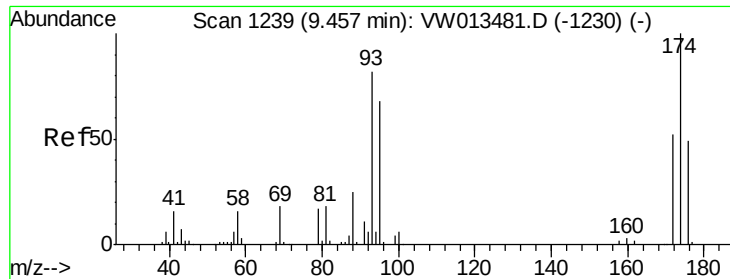
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	41	Resp:	249767
Ion Ratio	Lower	Upper	
41	100		
69	84.5	70.4	105.6
39	47.8	37.3	55.9





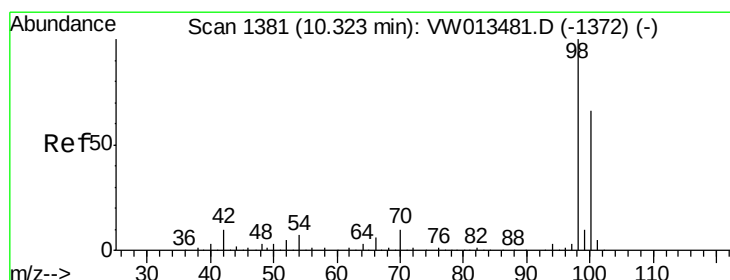
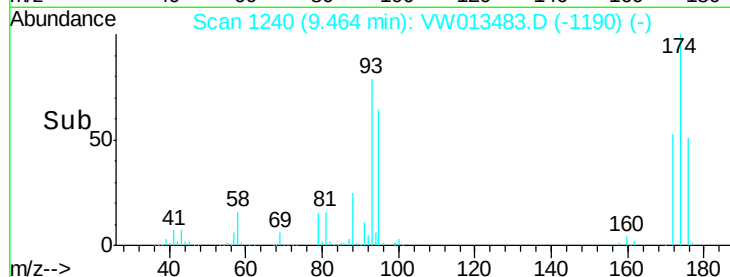
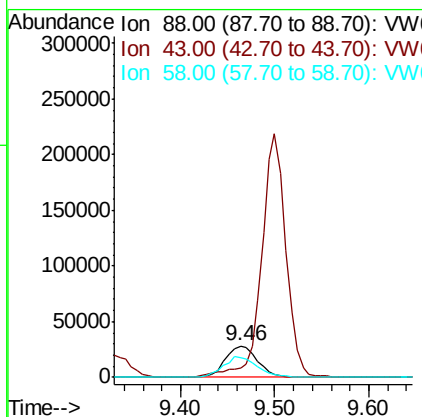
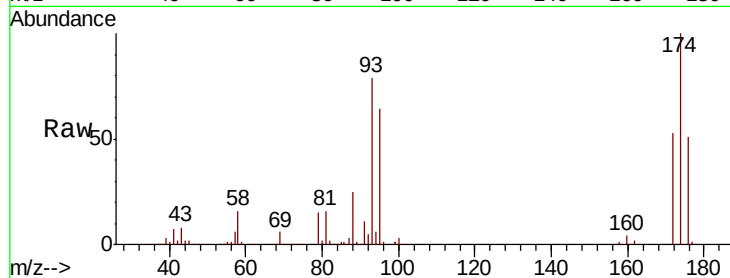
#49
1,4-Dioxane
Concen: 2937.105 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.5	60.0	90.0

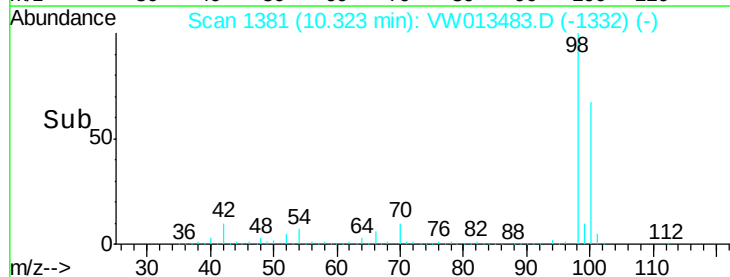
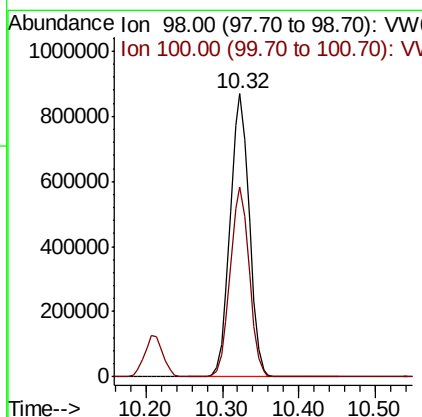
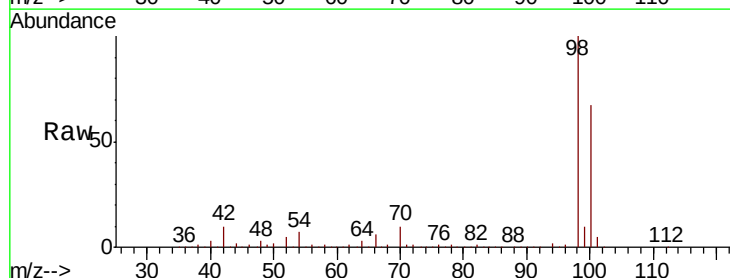
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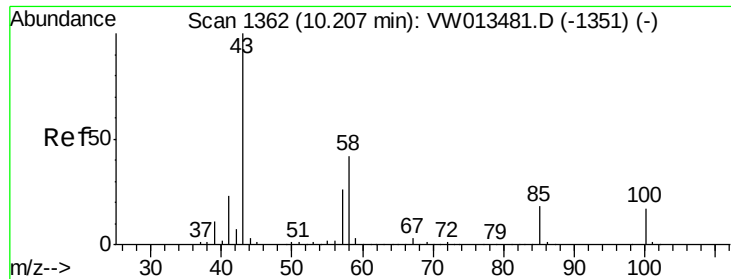
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#50
Toluene-d8
Concen: 148.511 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 756.930 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1267764

Ion Ratio Lower Upper

43 100

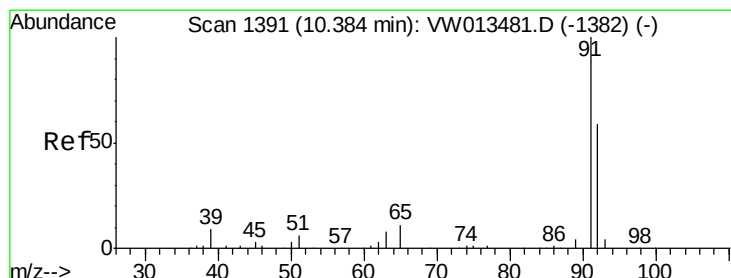
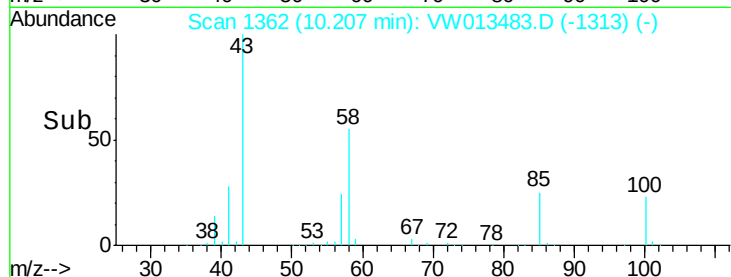
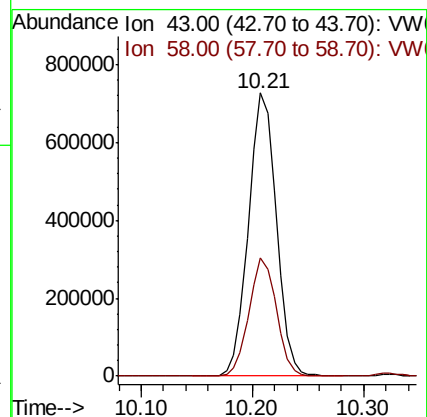
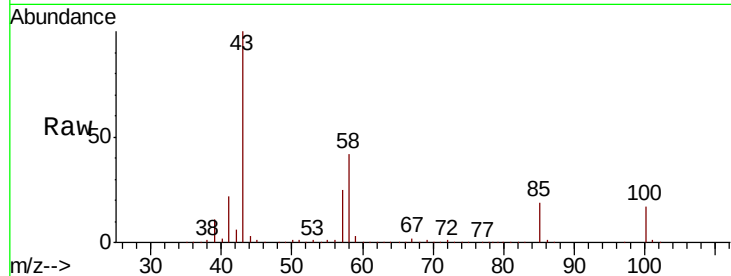
58 41.1 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 142.974 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013483.D

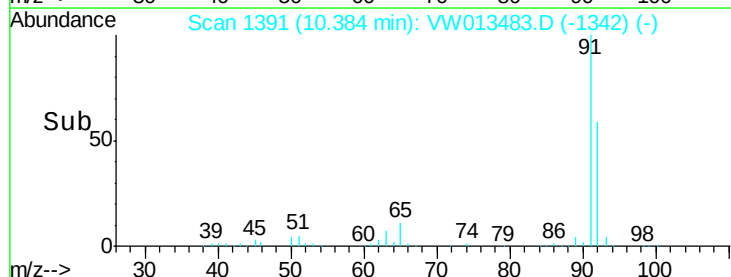
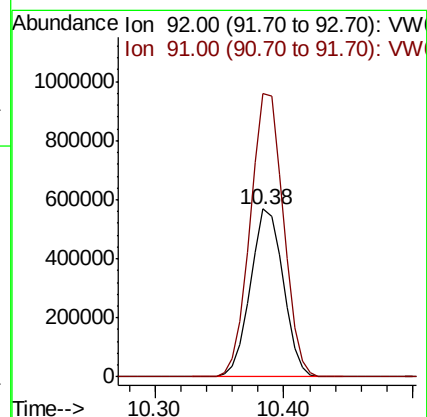
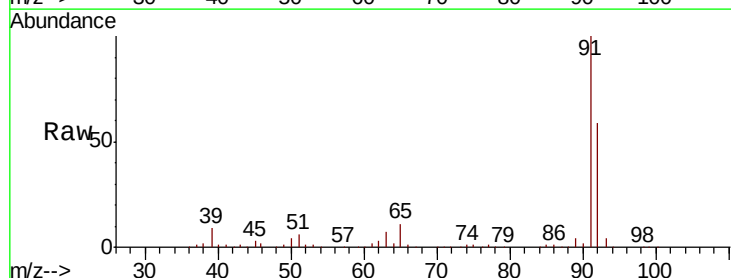
Acq: 08 Oct 2019 12:37

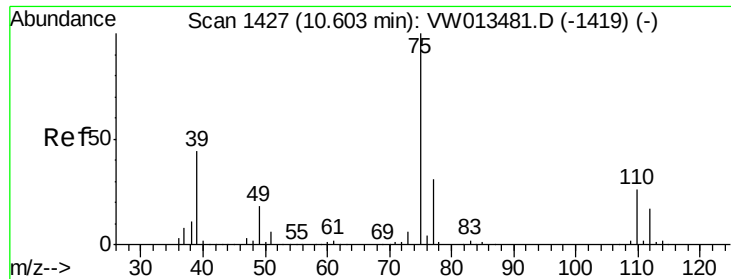
Tgt Ion: 92 Resp: 999148

Ion Ratio Lower Upper

92 100

91 170.2 134.8 202.2





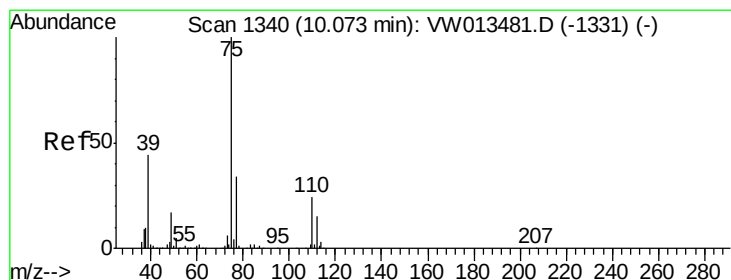
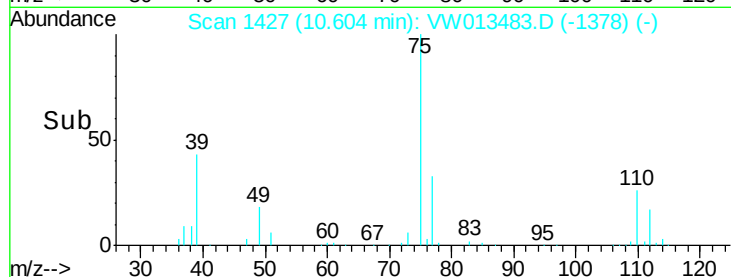
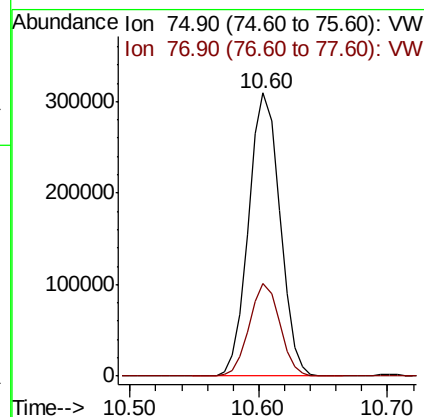
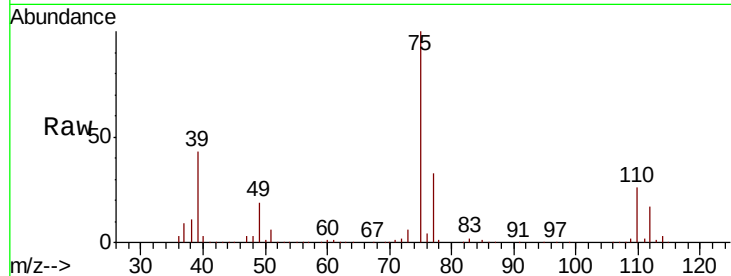
#53
t-1,3-Dichloropropene
Concen: 155.071 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 519607
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8

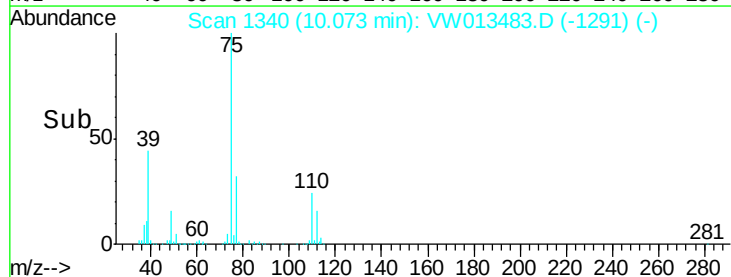
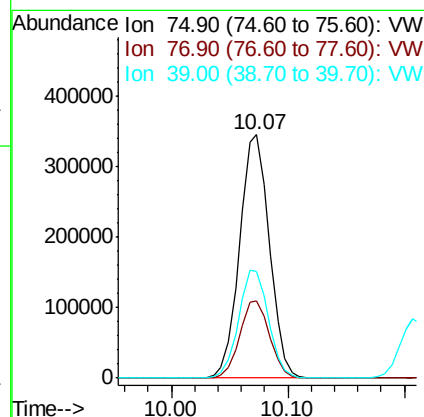
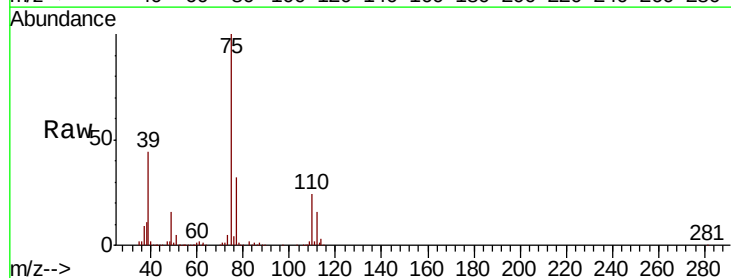
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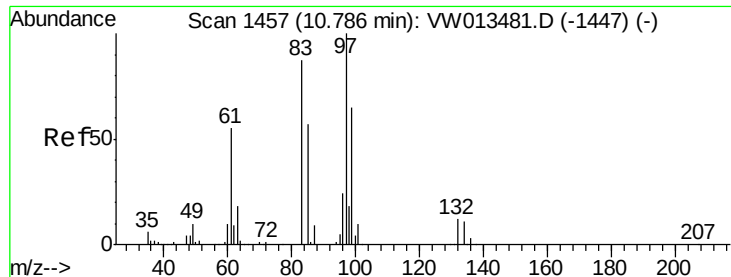
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#54
cis-1,3-Dichloropropene
Concen: 151.934 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion: 75 Resp: 616776
Ion Ratio Lower Upper
75 100
77 31.9 27.0 40.4
39 43.8 35.0 52.4





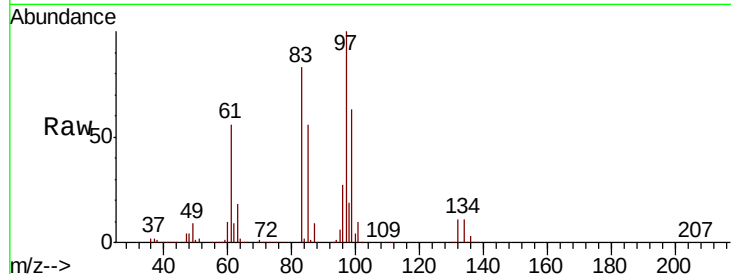
#55
 1,1,2-Trichloroethane
 Concen: 148.664 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	289470
Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.8	104.8
85	56.1	45.4	68.0
99	63.0	51.9	77.9

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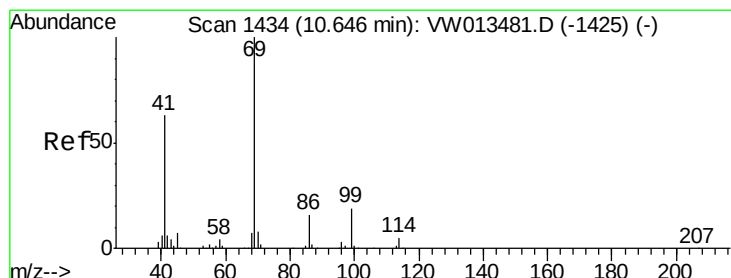
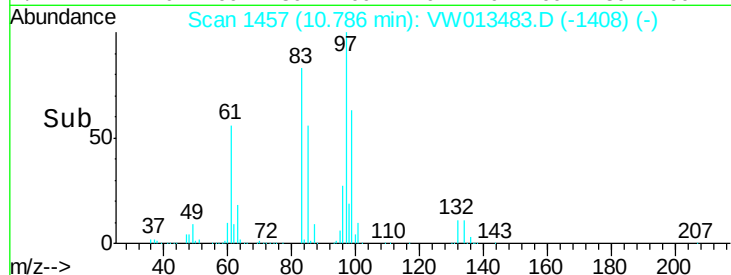
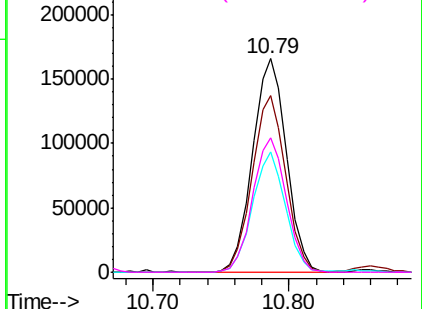
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

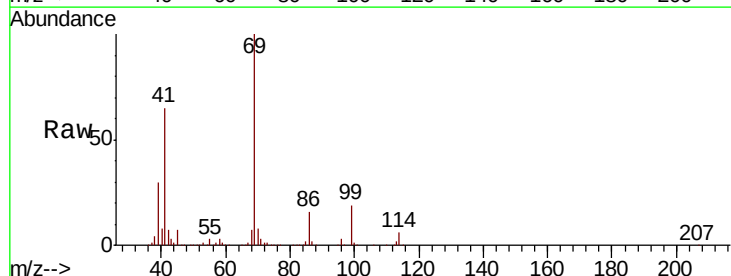
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 157.794 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion:	69	Resp:	413814
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.8	77.6
39	27.6	21.7	32.5

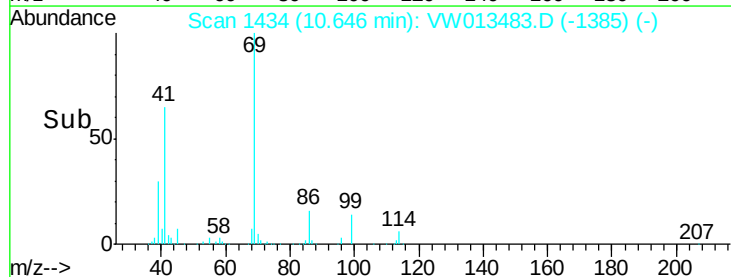
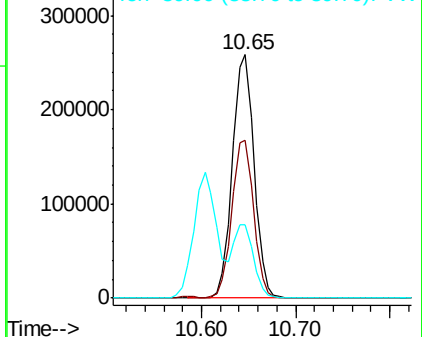


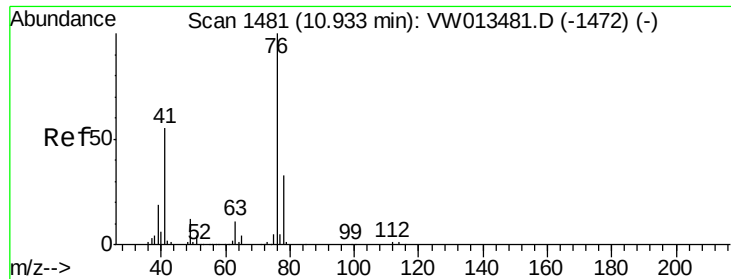
Abundance

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





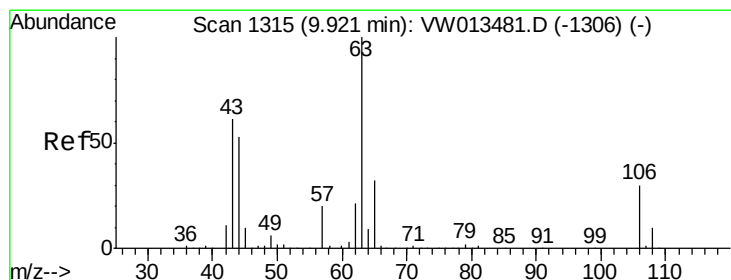
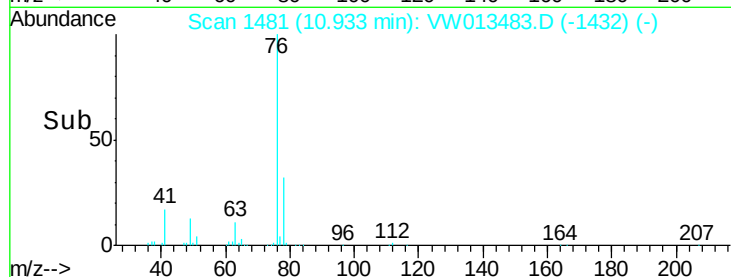
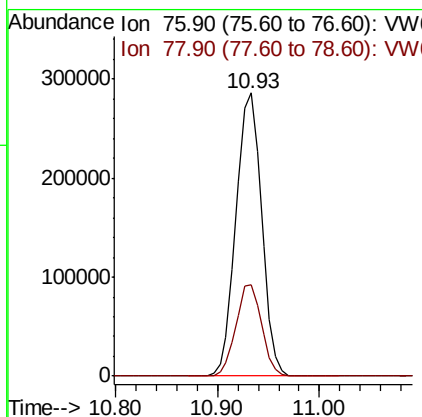
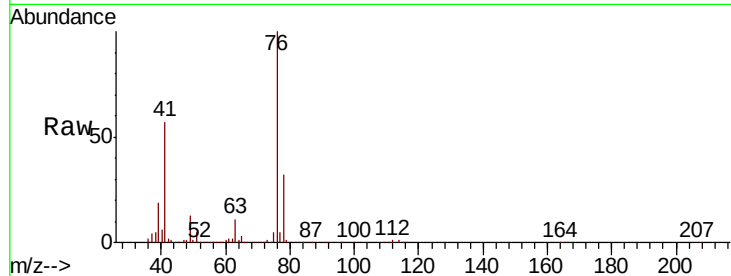
#57
 1,3-Dichloropropane
 Concen: 148.567 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion: 76 Resp: 496724
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

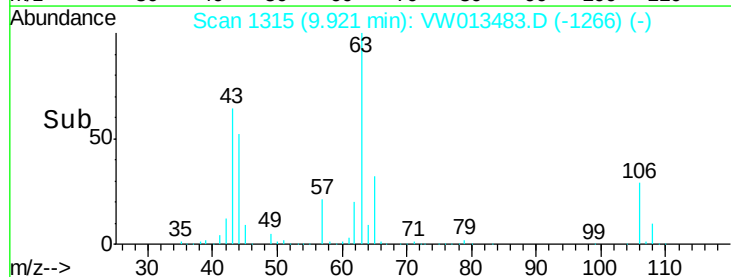
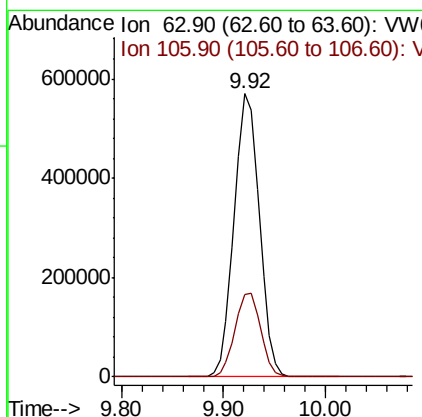
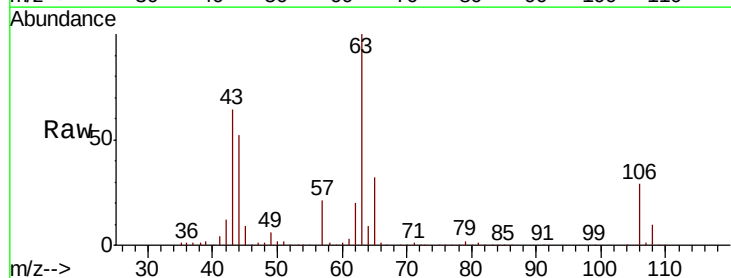
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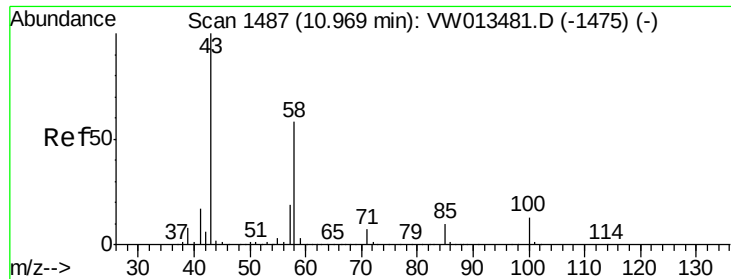
MMDadoda
 10/9/2019 4:09:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 788.334 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion: 63 Resp: 975355
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.5 36.7





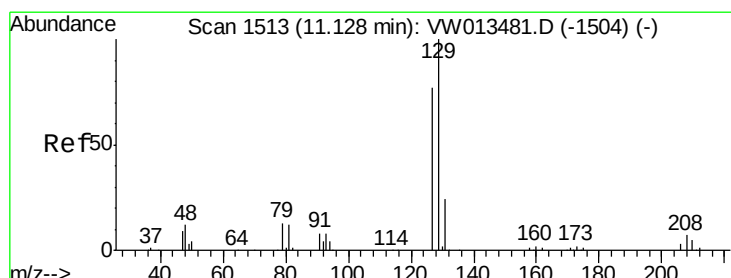
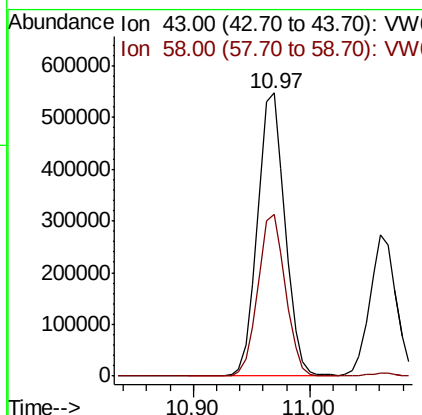
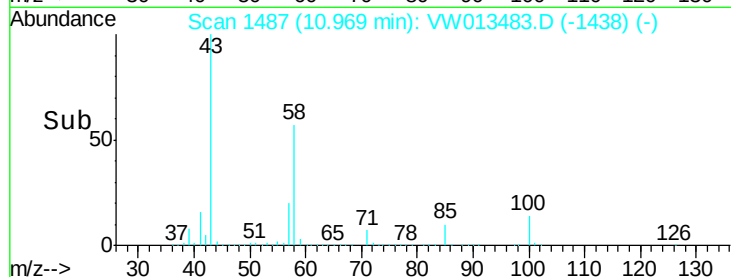
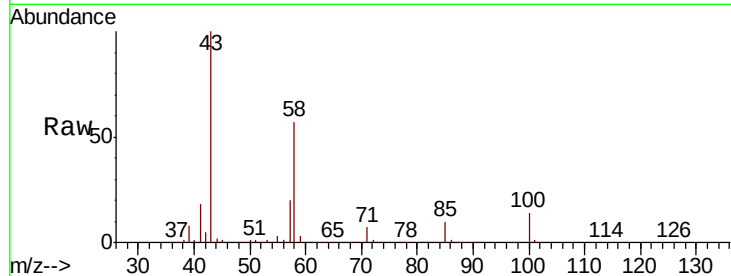
#59
2-Hexanone
Concen: 783.498 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		57.0		28.4	85.2

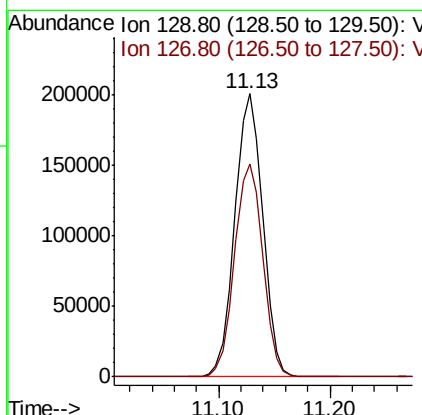
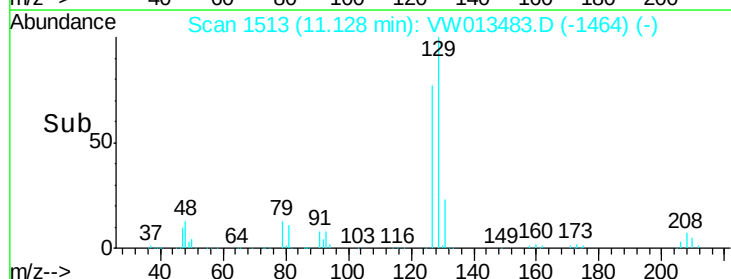
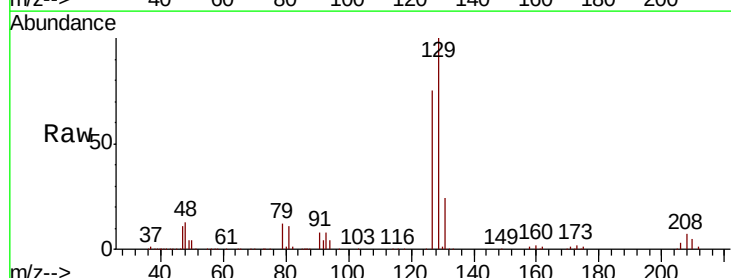
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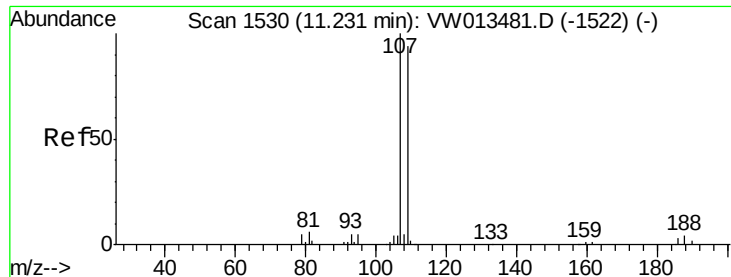
MMDadoda
10/9/2019 4:09:35 PM



#60
Dibromochloromethane
Concen: 155.775 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127		76.2		37.4	112.1





#61

1,2-Dibromoethane

Concen: 153.633 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 284532

Ion Ratio Lower Upper

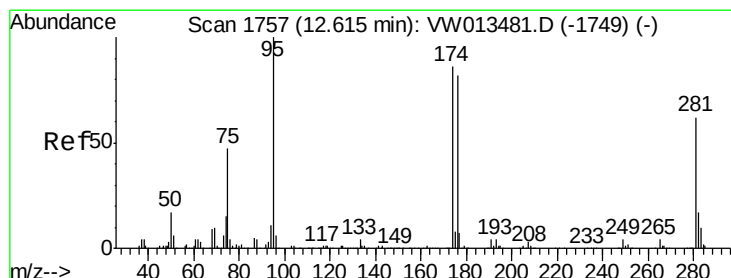
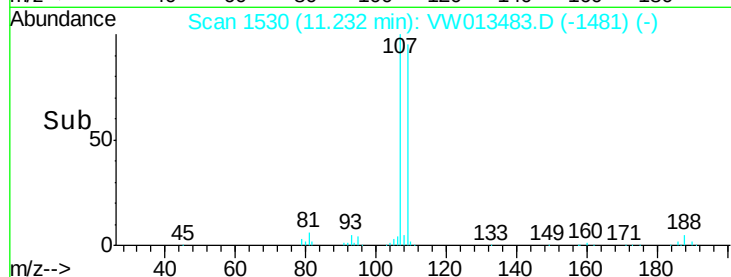
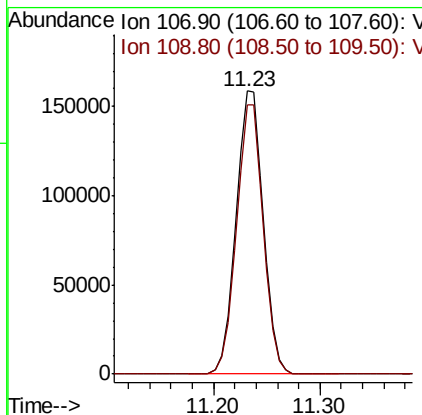
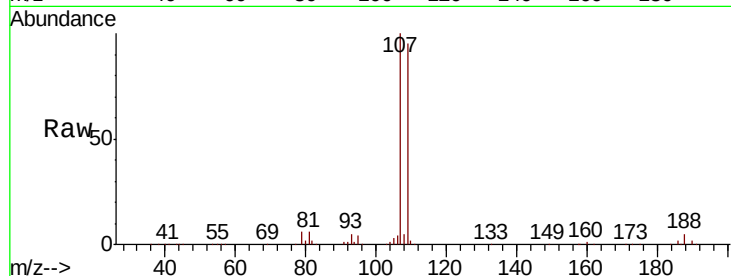
107 100

109 93.6 76.6 115.0

Manual Integrations
APPROVED

MMDadoda

10/9/2019 4:09:35 PM



#62

4-Bromofluorobenzene

Concen: 147.139 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

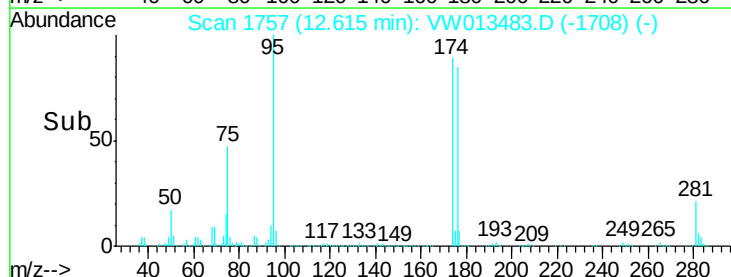
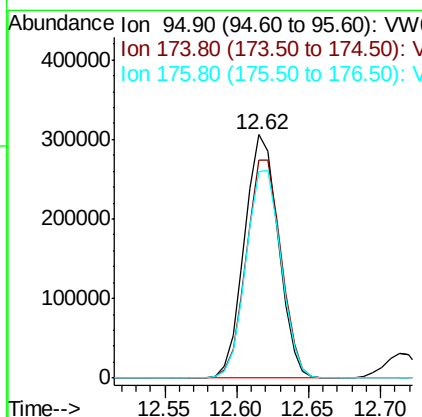
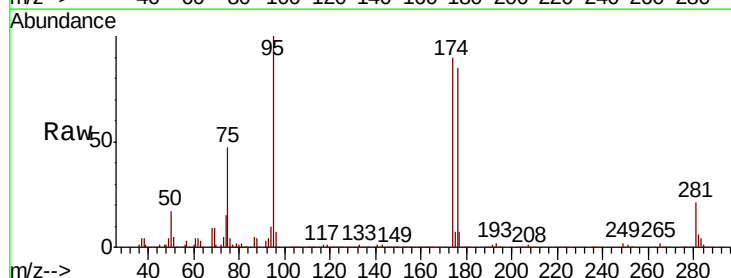
Tgt Ion: 95 Resp: 498432

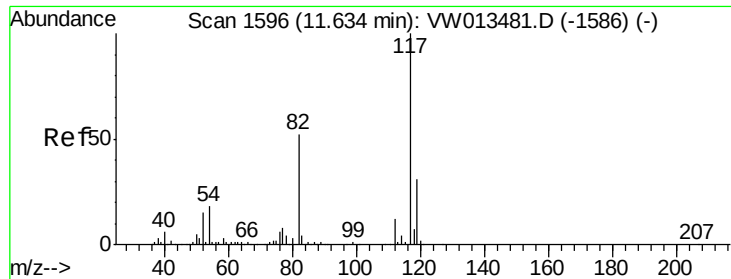
Ion Ratio Lower Upper

95 100

174 91.9 0.0 177.4

176 88.0 0.0 173.4





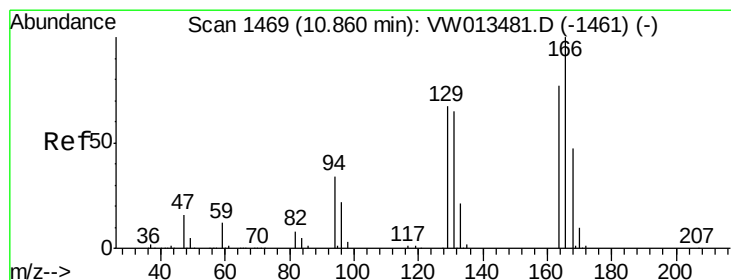
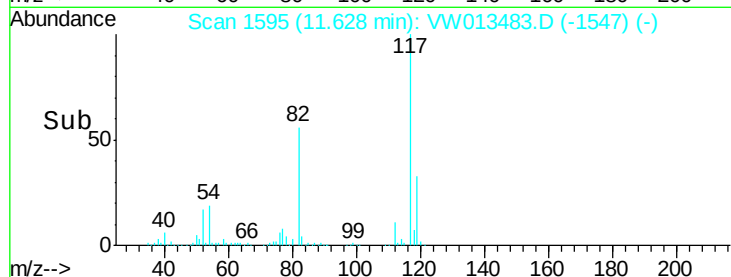
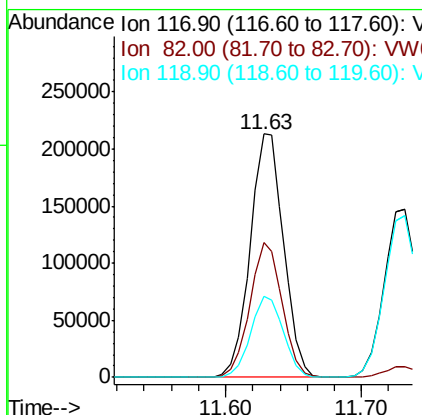
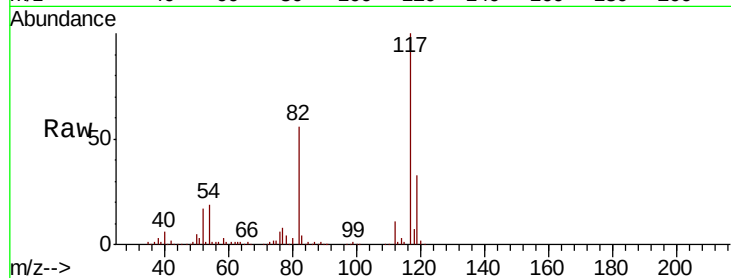
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	367146		
82	55.5		41.4	62.2
119	33.1		25.1	37.7

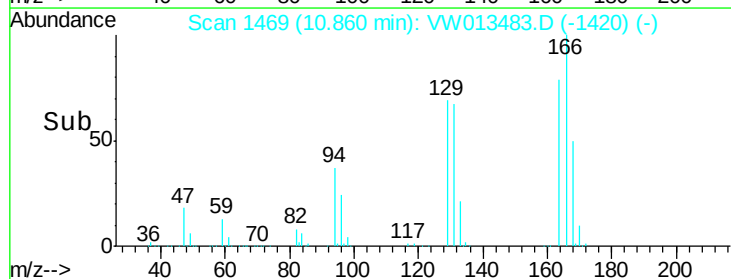
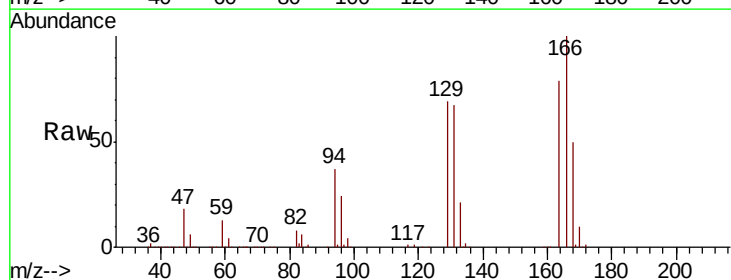
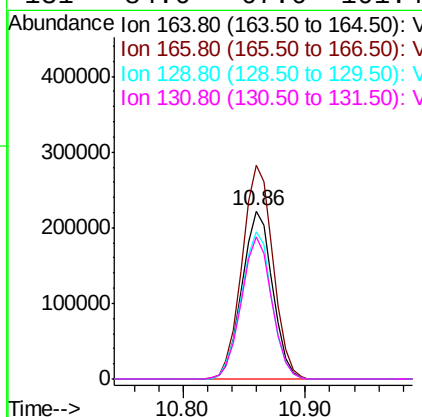
Manual Integrations
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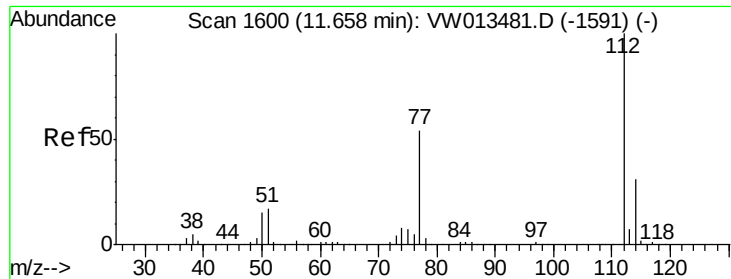
MMDadoda
10/9/2019 4:09:35 PM



#64
Tetrachloroethene
Concen: 142.289 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	384487		
166	127.2		104.6	156.8
129	87.9		70.2	105.2
131	84.6		67.6	101.4





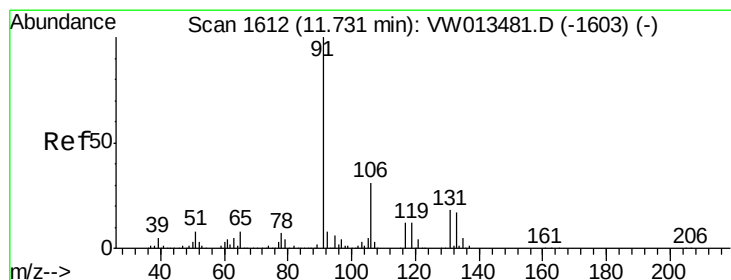
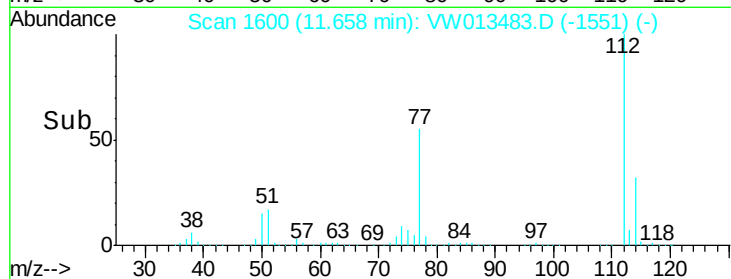
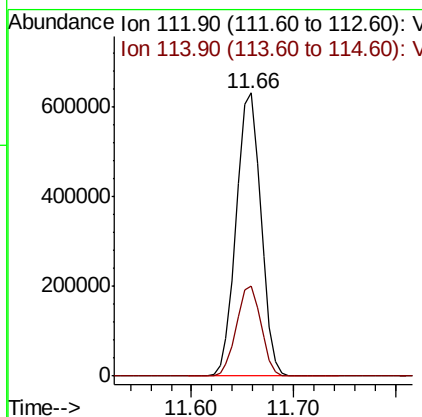
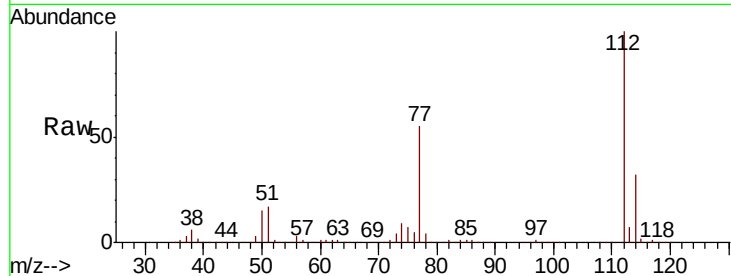
#65
Chlorobenzene
Concen: 144.573 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1054710
Ion Ratio Lower Upper
112 100
114 31.8 24.6 37.0

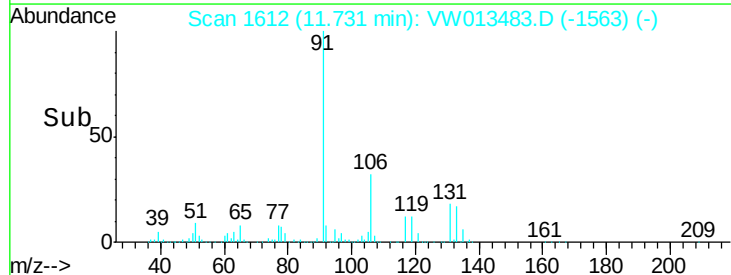
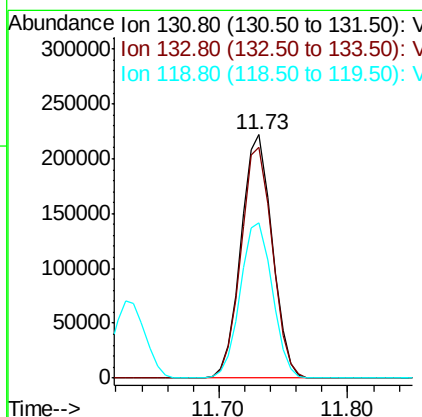
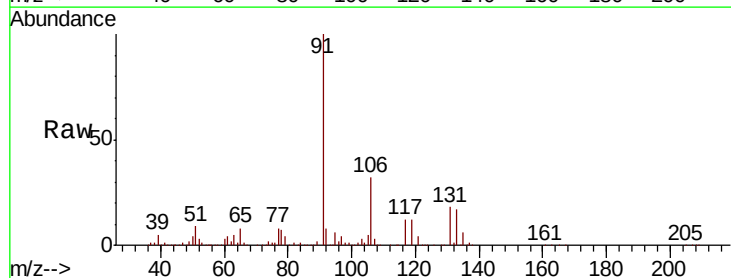
Manual Integrations
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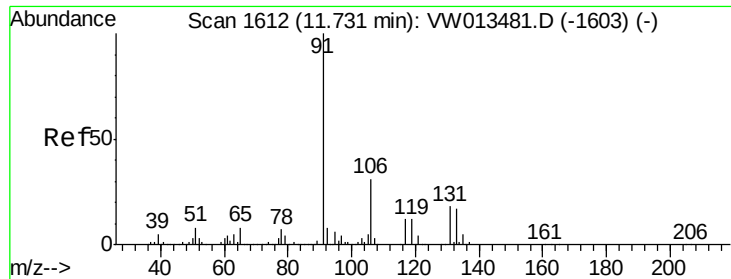
MMDadoda
10/9/2019 4:09:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 146.674 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion:131 Resp: 371698
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 65.5 32.6 98.0





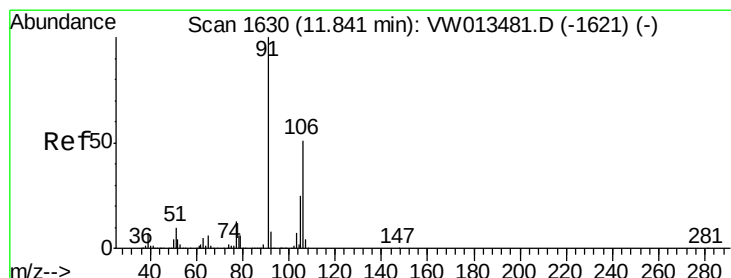
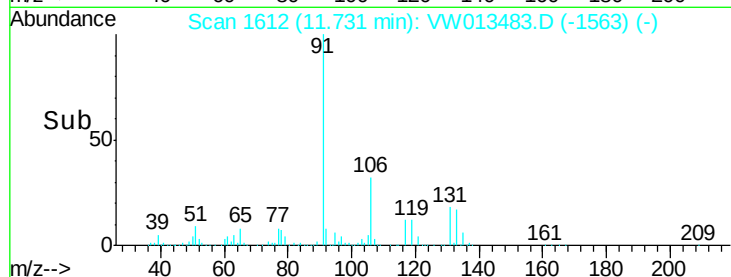
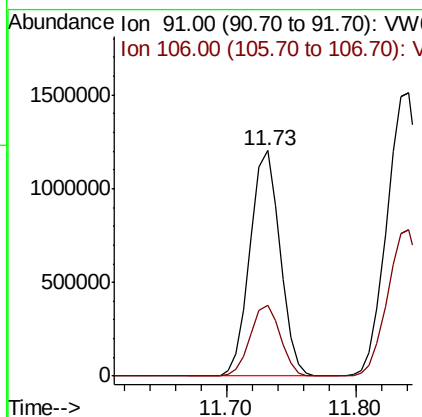
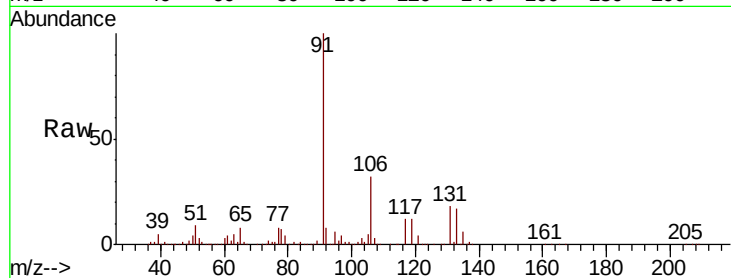
#67
Ethyl Benzene
Concen: 144.780 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1930511
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2

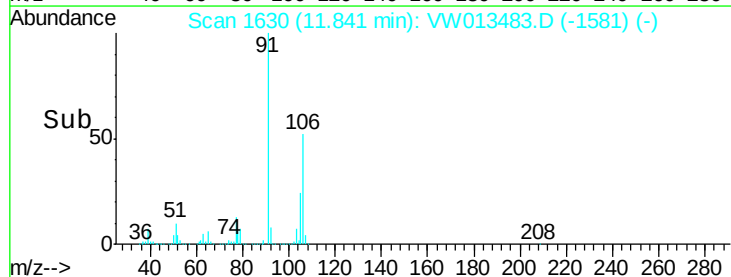
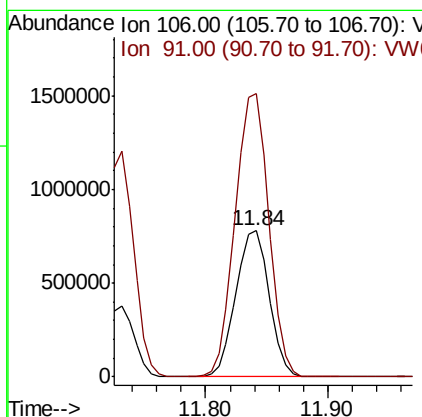
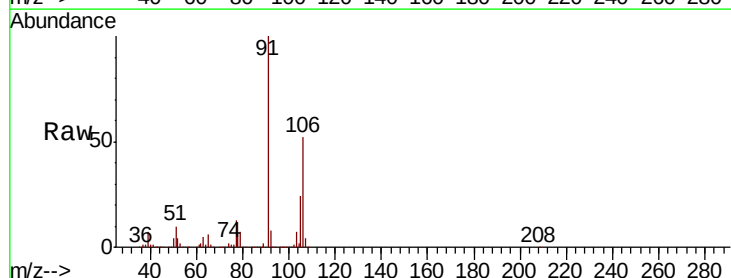
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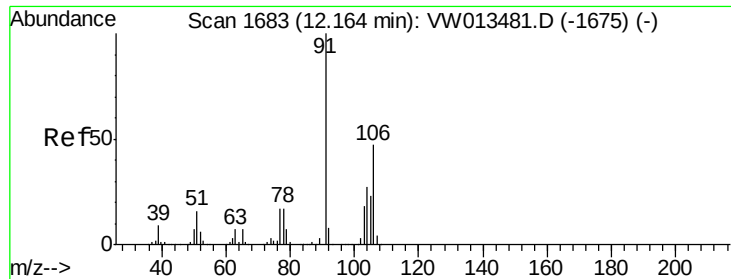
MMDadoda
10/9/2019 4:09:35 PM



#68
m/p-Xylenes
Concen: 290.465 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion: 106 Resp: 1473645
Ion Ratio Lower Upper
106 100
91 195.3 156.2 234.4





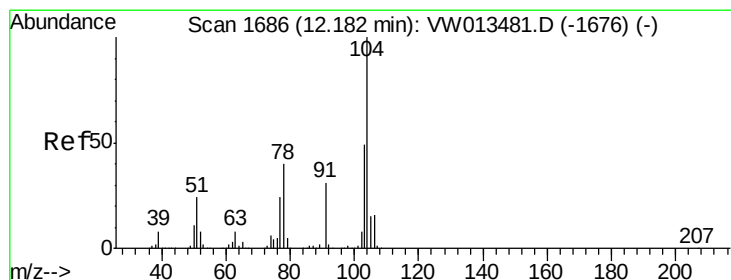
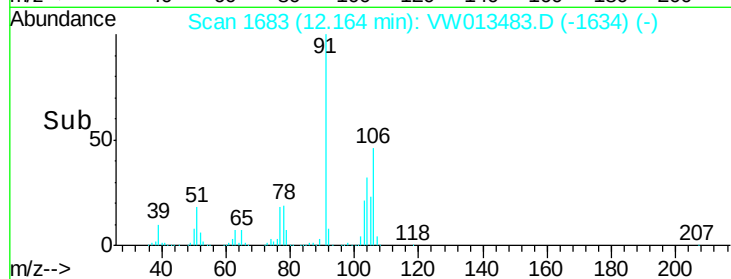
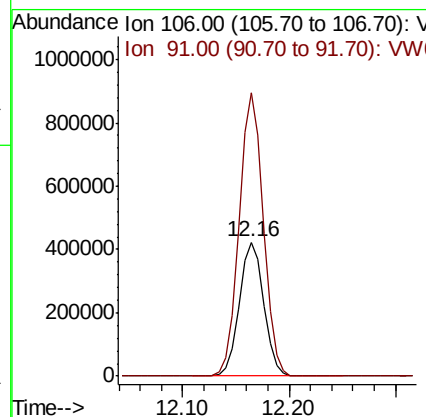
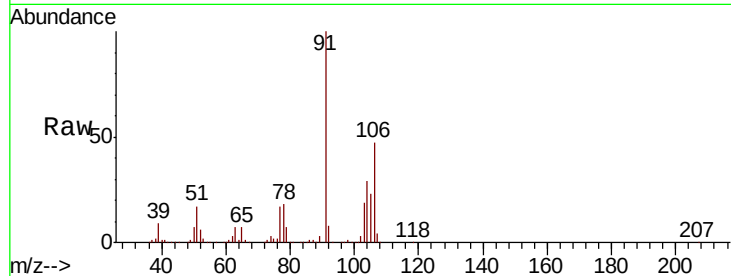
#69
o-Xylene
Concen: 145.299 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.9	105.0	315.0	

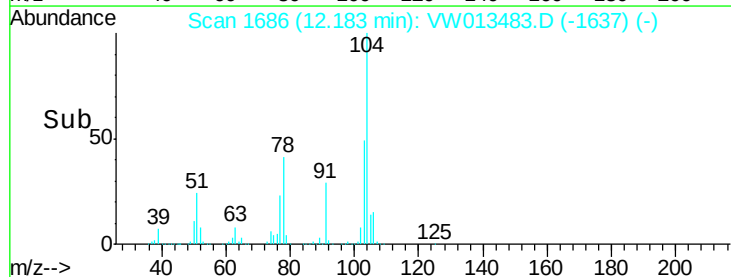
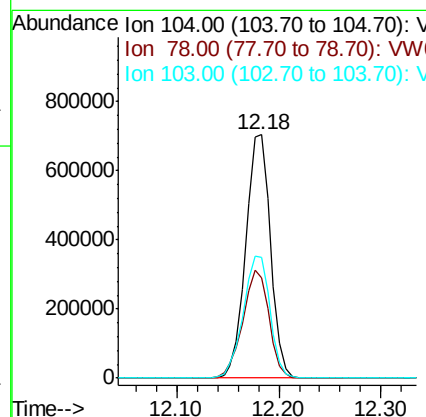
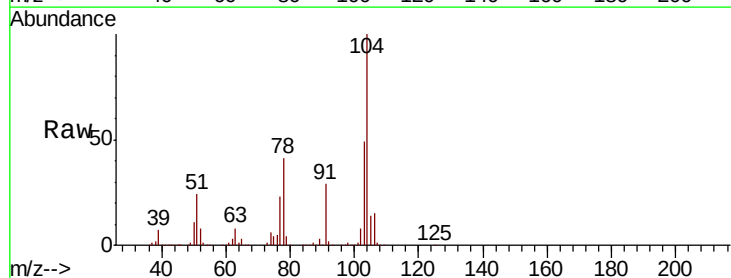
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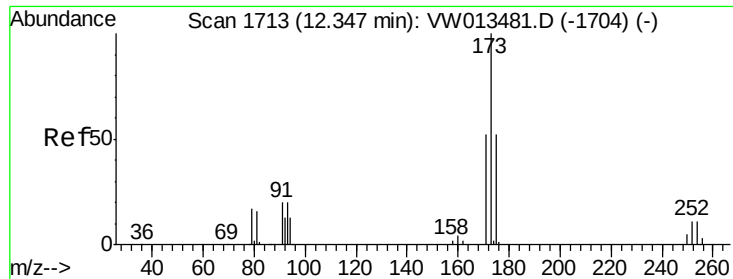
MMDadoda
10/9/2019 4:09:35 PM



#70
Styrene
Concen: 147.060 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	37.1	55.7	
103	53.9	43.2	64.8	





#71

Bromoform

Concen: 158.089 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

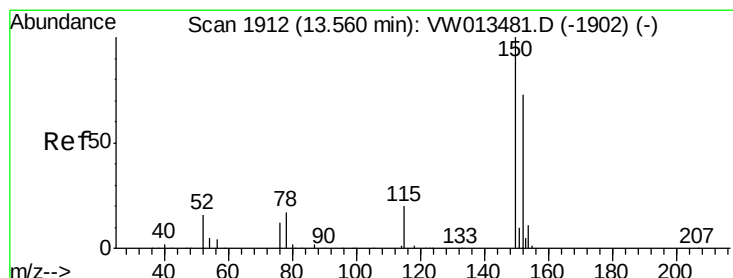
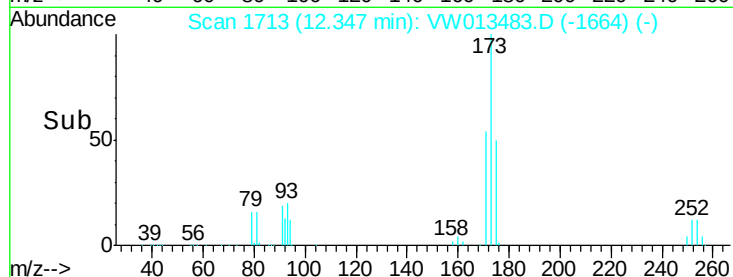
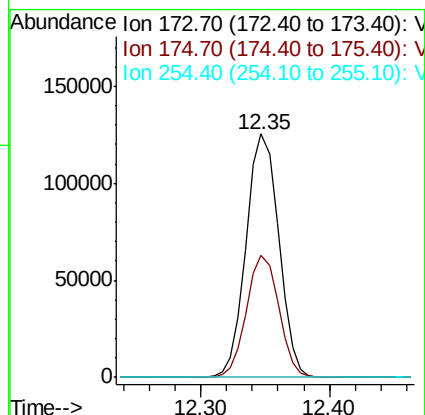
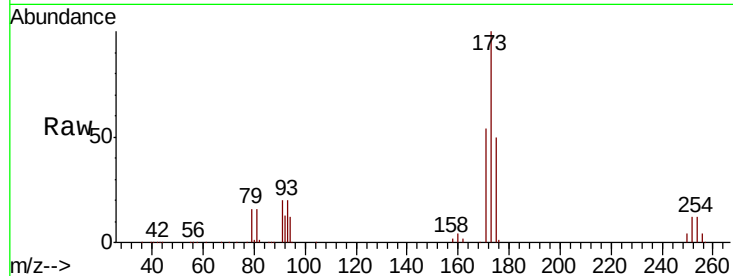
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
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10/9/2019 4:09:35 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

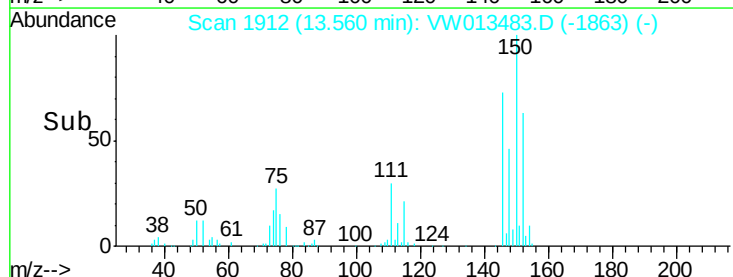
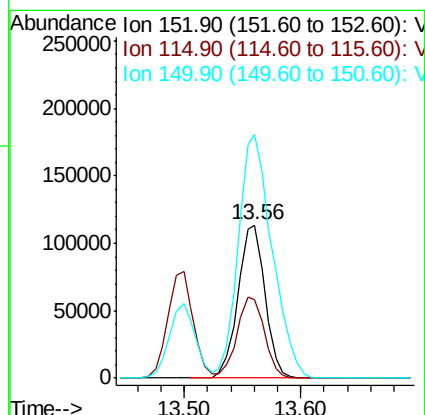
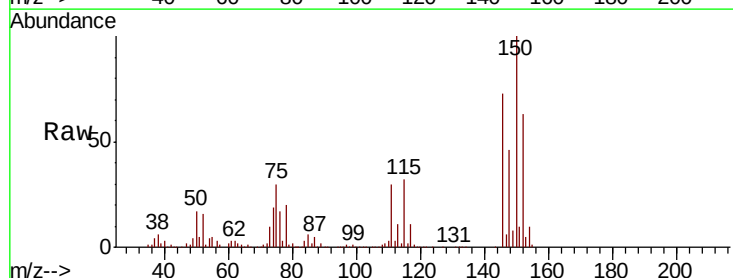
RT: 13.56 min Scan# 1912

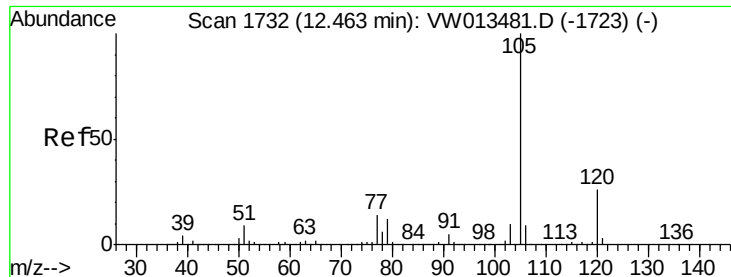
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	199.4	0.0	337.4





#73

Isopropylbenzene

Concen: 146.632 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1923681

Ion Ratio Lower Upper

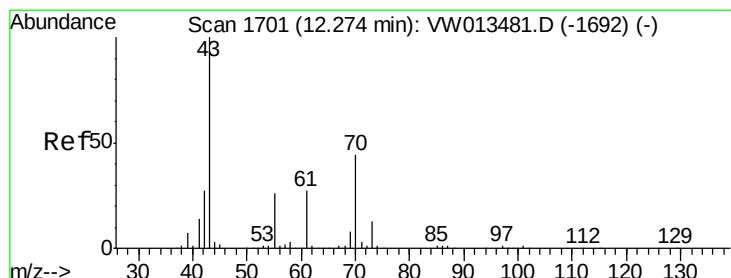
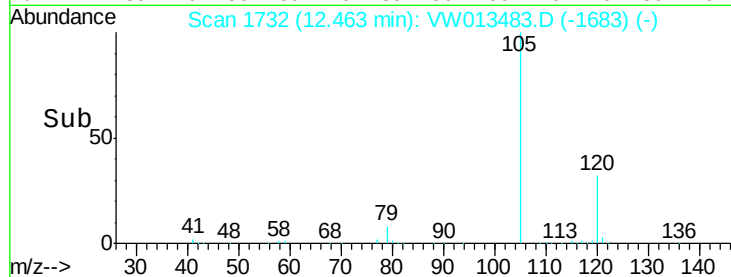
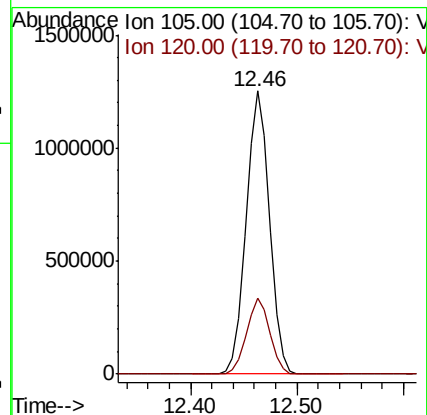
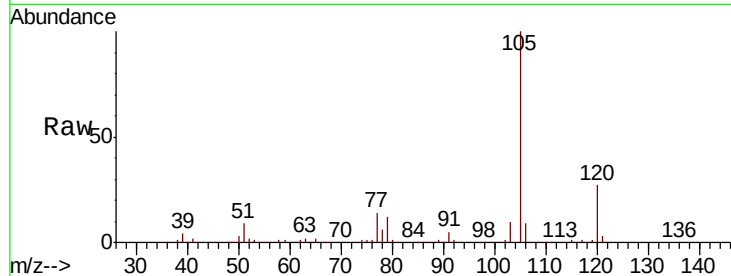
105 100

120 26.5 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 155.971 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion: 43 Resp: 447515

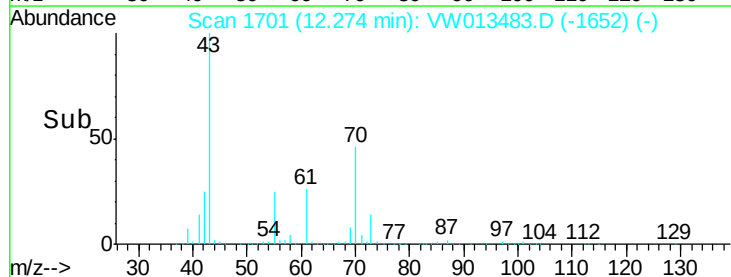
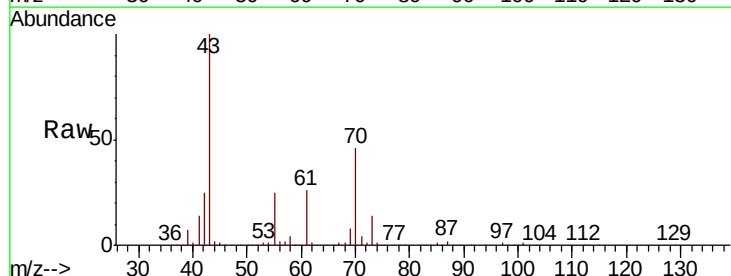
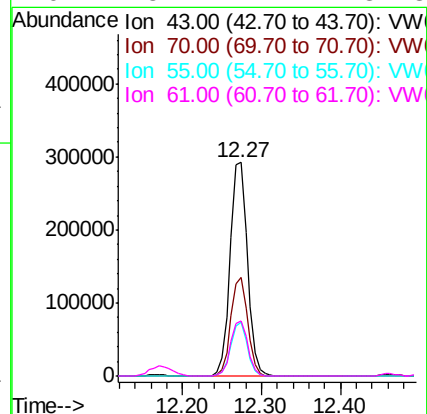
Ion Ratio Lower Upper

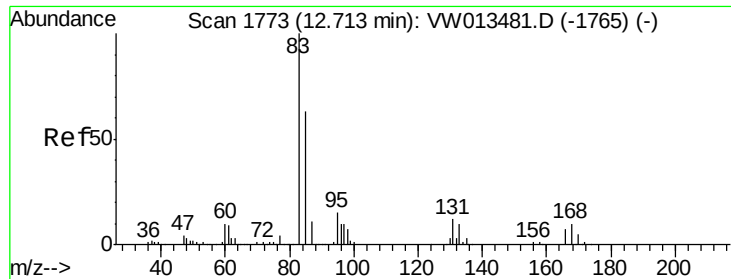
43 100

70 45.1 35.3 52.9

55 24.1 20.0 30.0

61 25.4 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 146.898 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

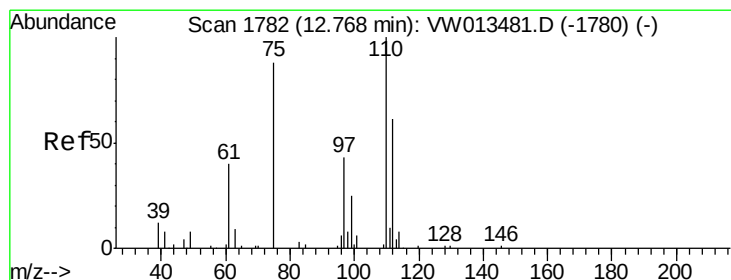
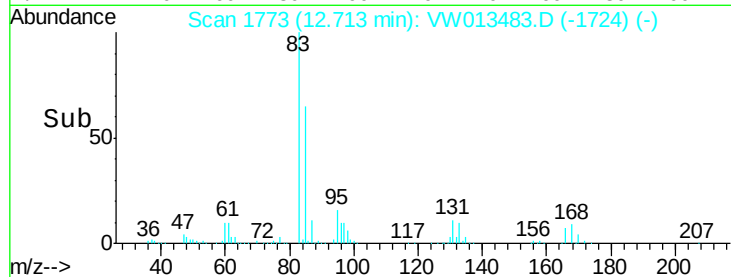
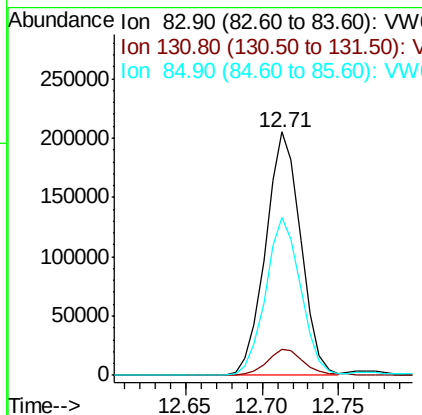
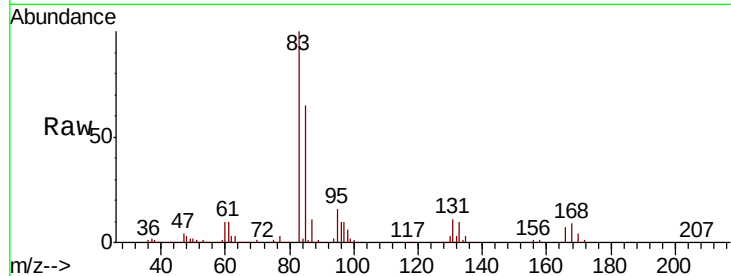
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	328480
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.7
85	64.6	32.5	97.4

Manual Integrations
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10/9/2019 4:09:35 PM



#76

1,2,3-Trichloropropane

Concen: 141.493 ug/l m

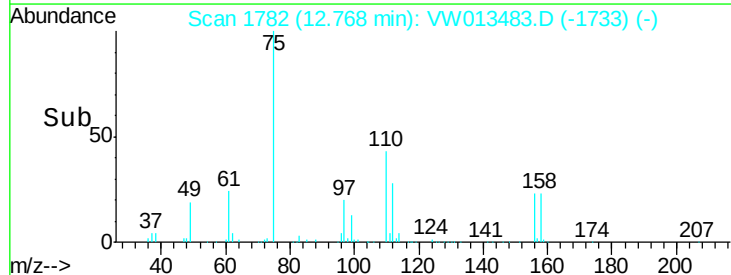
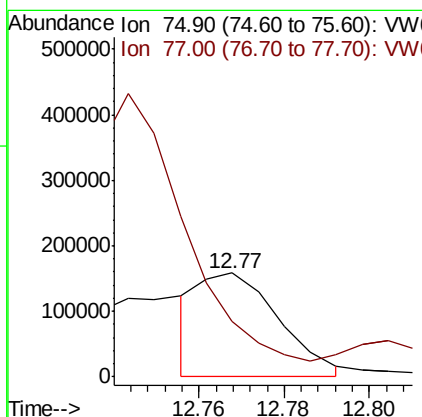
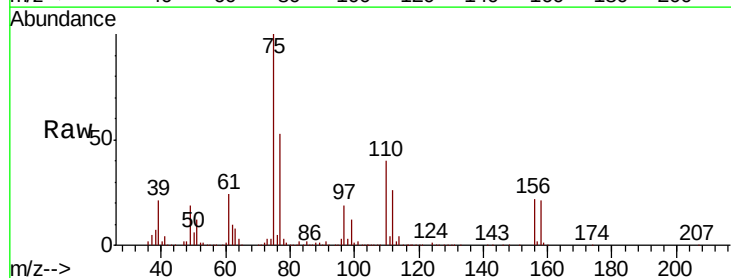
RT: 12.77 min Scan# 1782

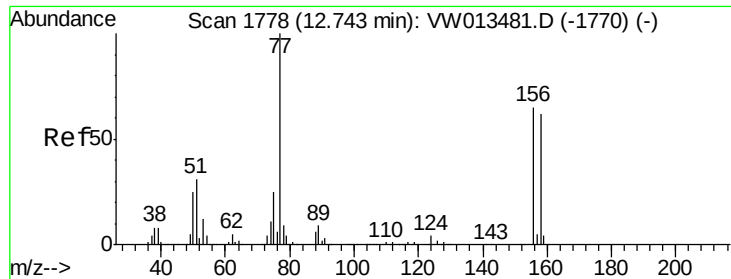
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	75	Resp:	208133
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 142.518 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

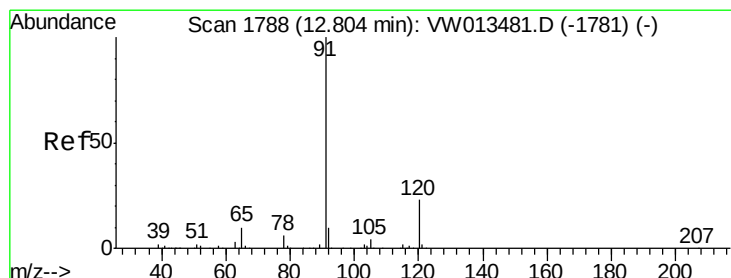
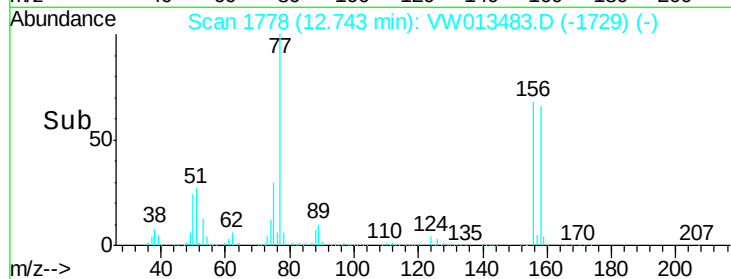
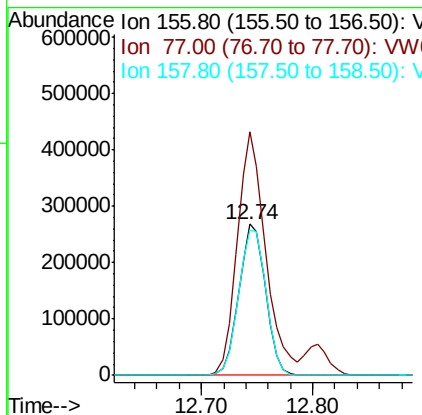
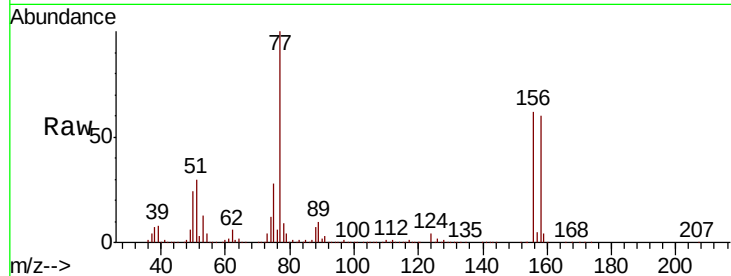
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	443181
Ion Ratio	Lower	Upper	
156	100		
77	172.1	83.7	251.0
158	99.0	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 144.132 ug/l

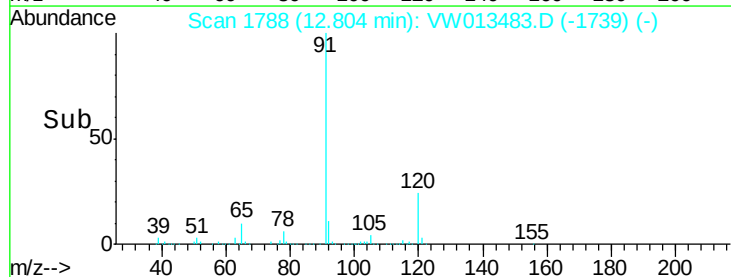
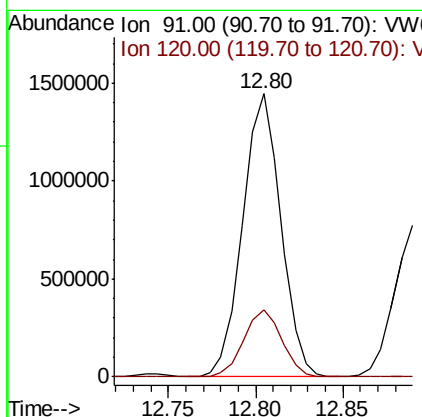
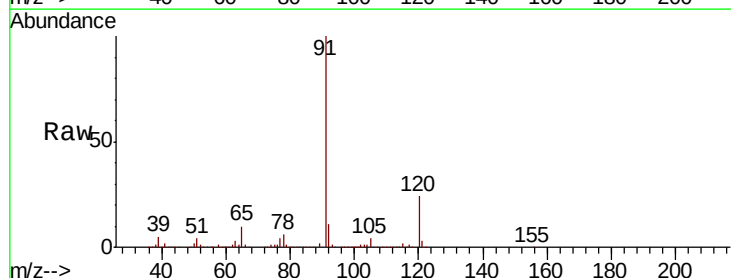
RT: 12.80 min Scan# 1788

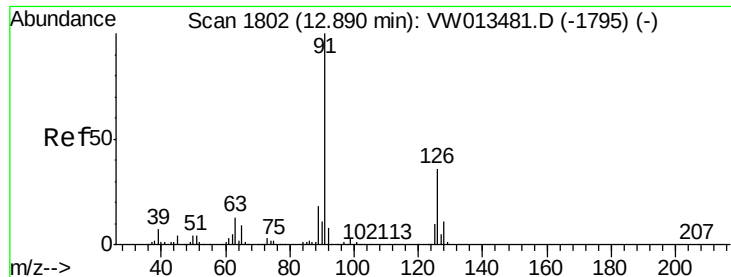
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	91	Resp:	2186536
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 142.922 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1214738

Ion Ratio Lower Upper

91 100

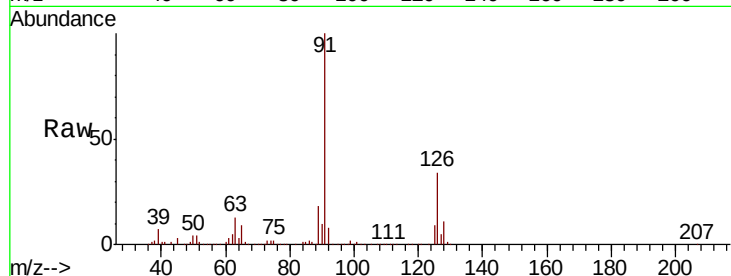
126 35.0 17.8 53.4

Manual Integrations

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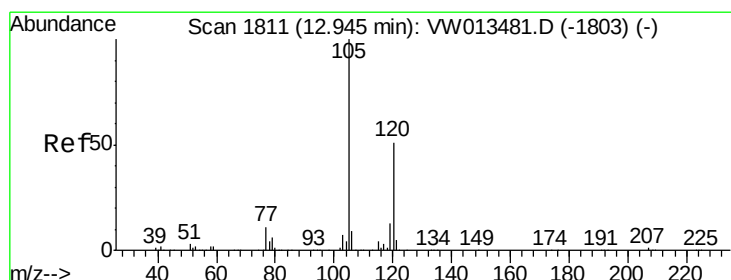
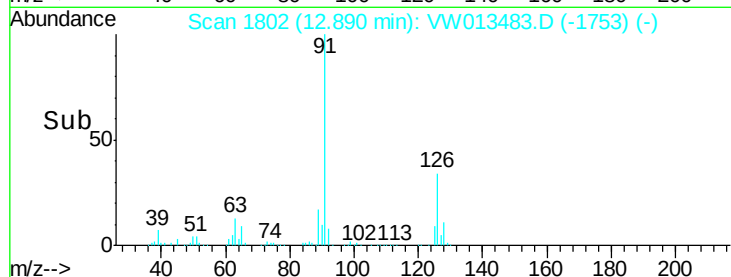
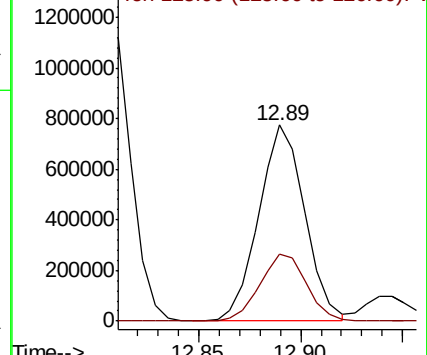
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 144.045 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013483.D

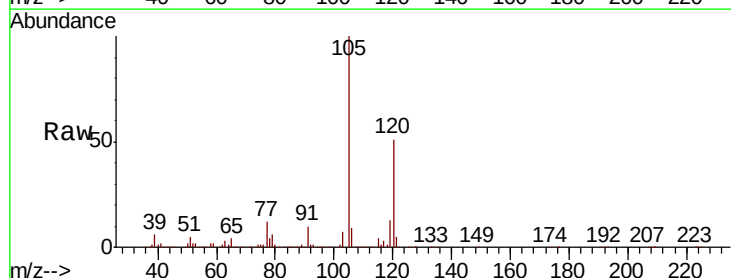
Acq: 08 Oct 2019 12:37

Tgt Ion:105 Resp: 1570165

Ion Ratio Lower Upper

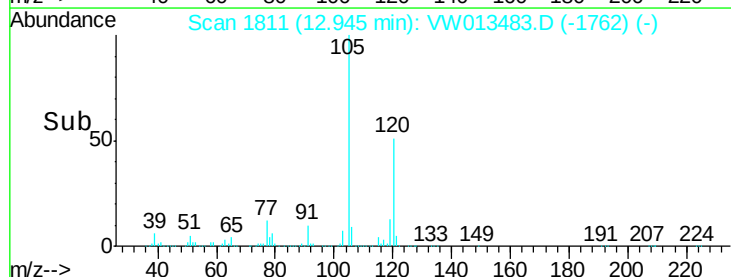
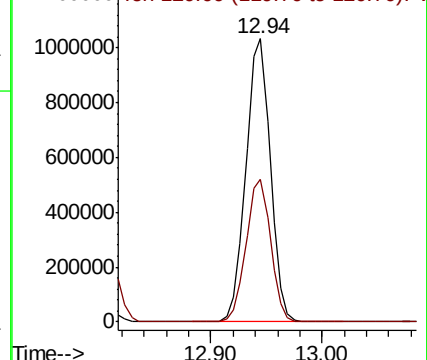
105 100

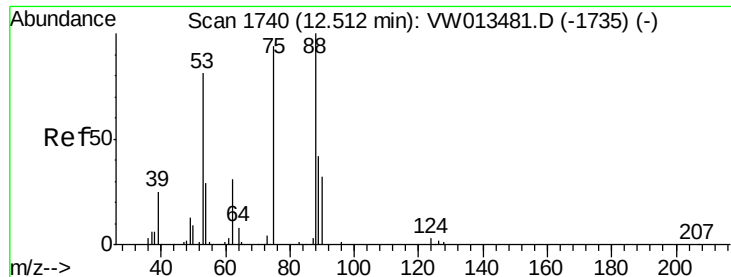
120 50.8 25.4 76.0



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: 164.924 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Instrument :

MSVOA_W

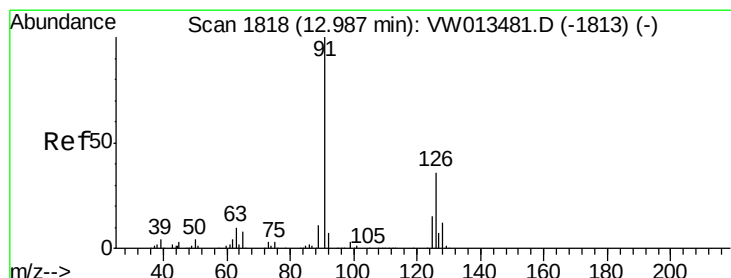
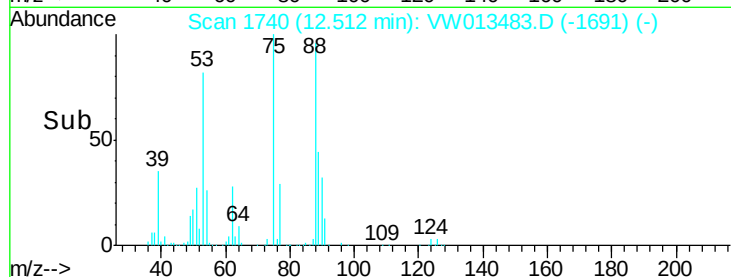
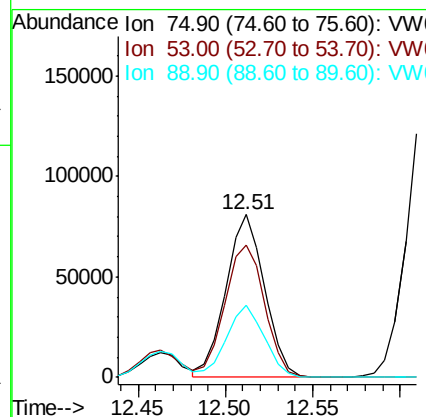
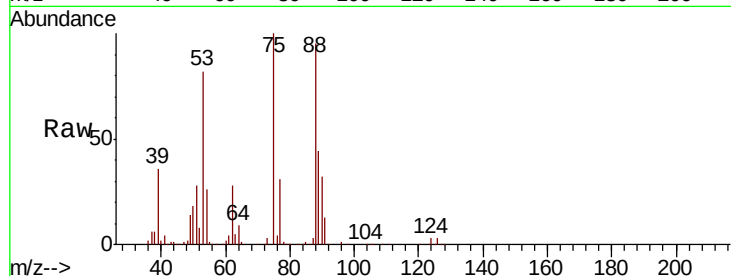
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	123068
Ion	Ratio	Lower	Upper
75	100		
53	84.7	71.0	106.6
89	44.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 141.591 ug/l

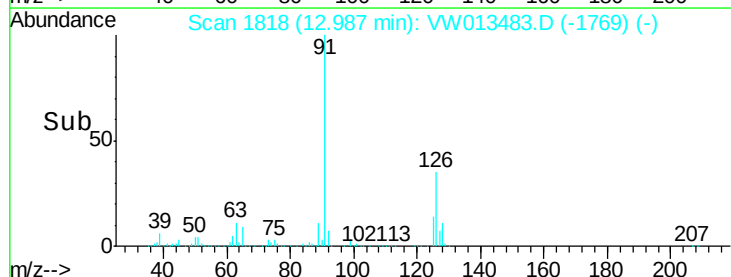
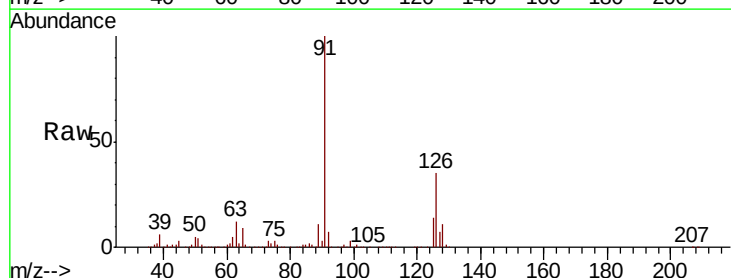
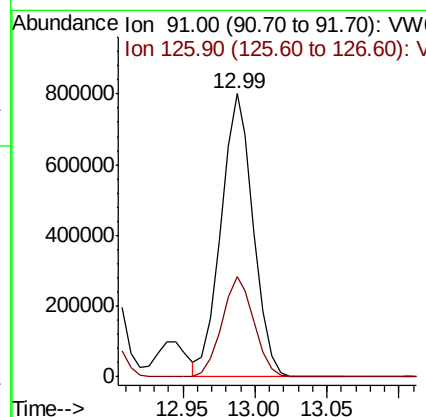
RT: 12.99 min Scan# 1818

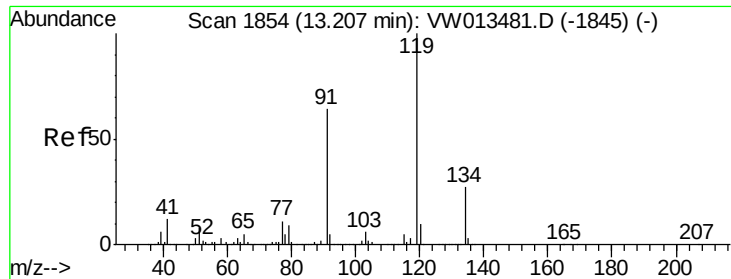
Delta R.T. 0.00 min

Lab File: VW013483.D

Acq: 08 Oct 2019 12:37

Tgt Ion:	91	Resp:	1249066
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





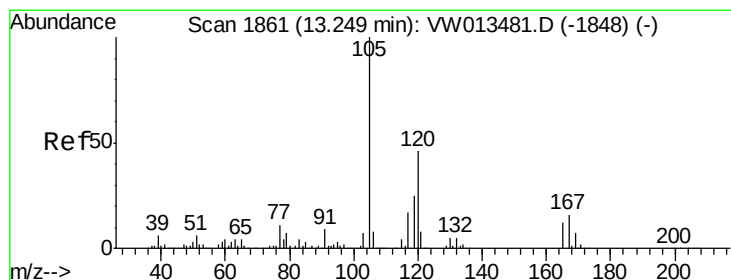
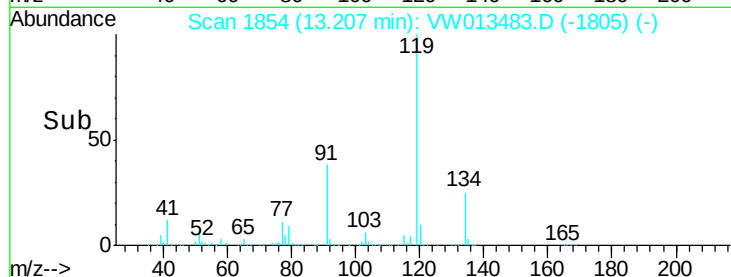
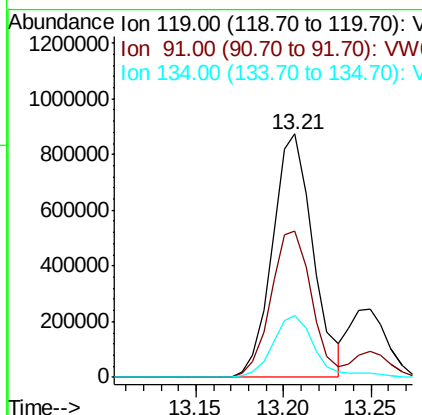
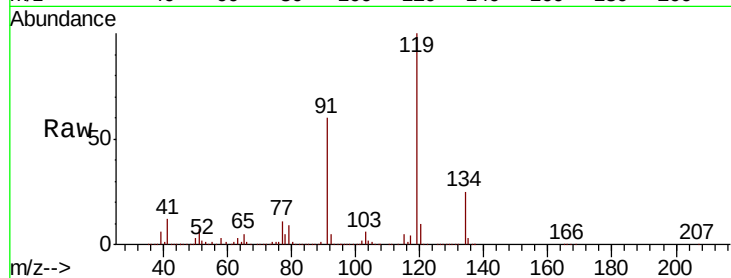
#83
 tert-Butylbenzene
 Concen: 146.028 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1413648
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.6 91.6
 134 26.8 13.8 41.3

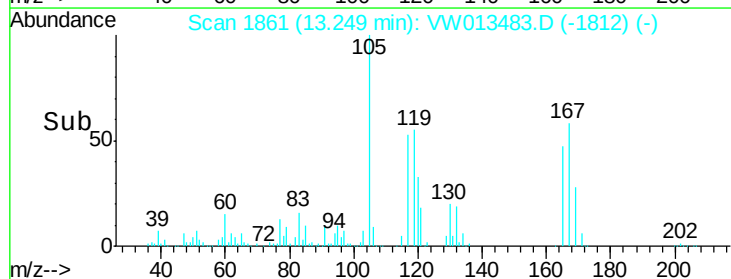
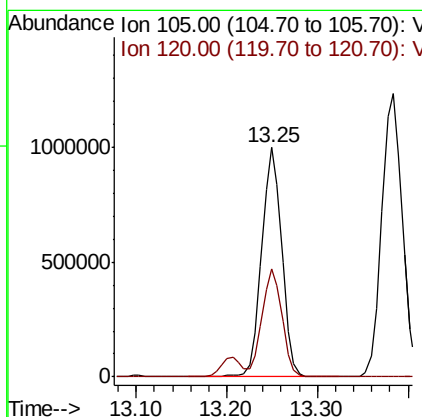
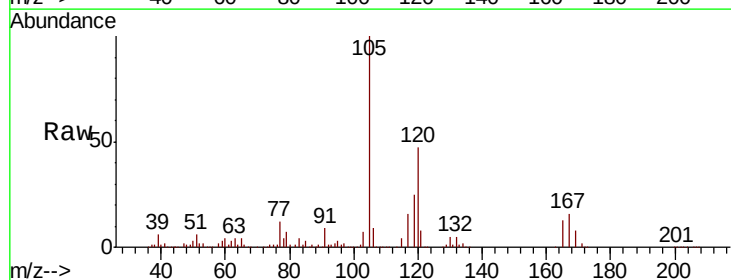
Manual Integrations
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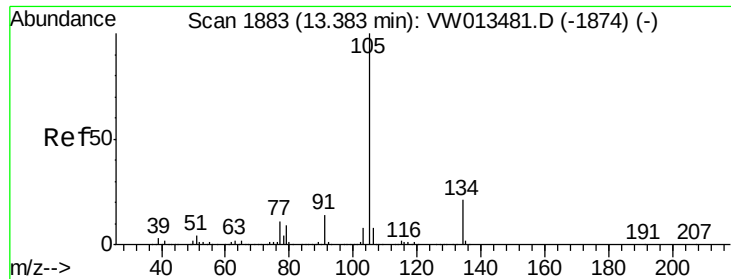
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#84
 1,2,4-Trimethylbenzene
 Concen: 142.134 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion:105 Resp: 1532314
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.5





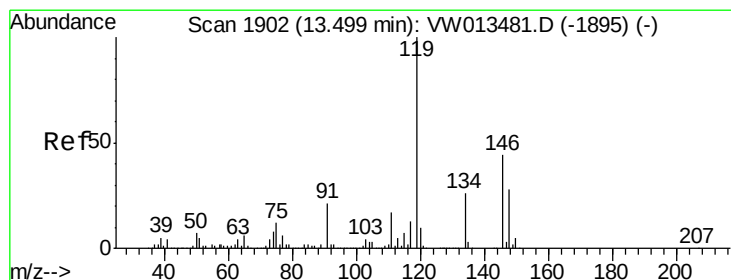
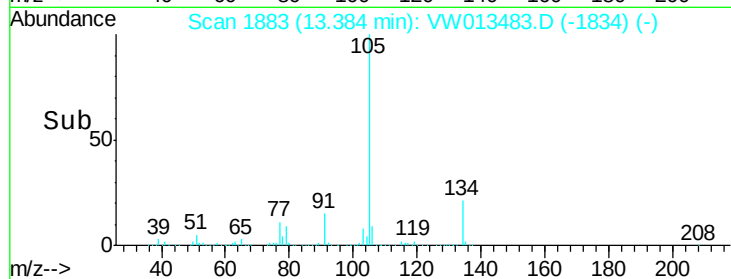
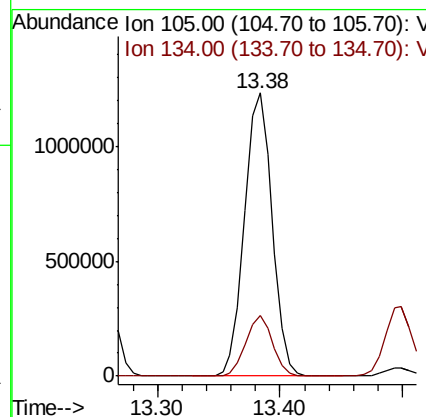
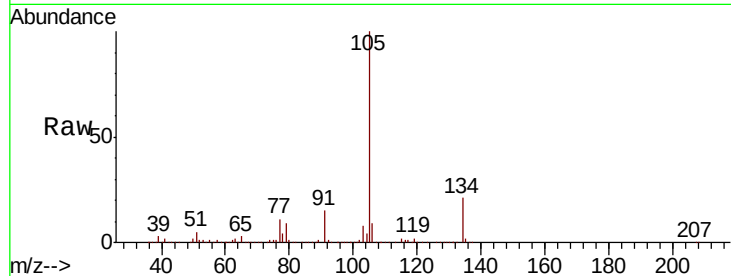
#85
 sec-Butylbenzene
 Concen: 144.173 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1928432
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4

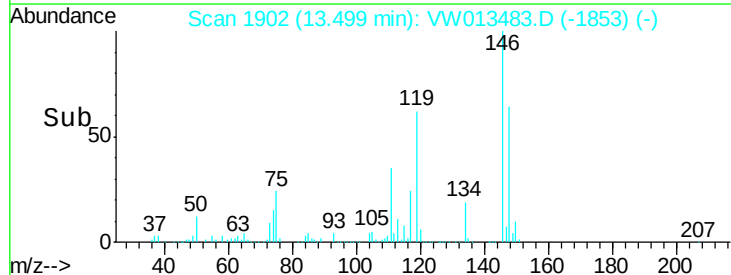
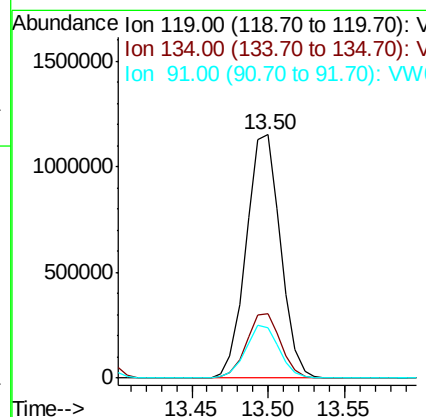
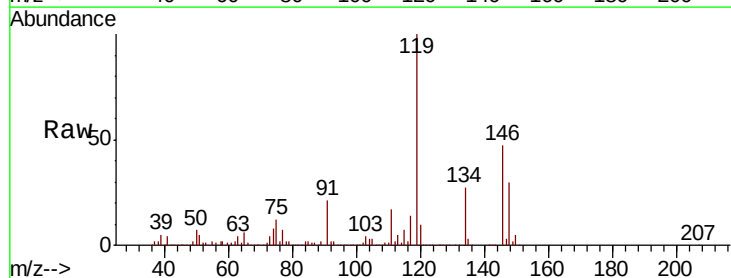
Manual Integrations
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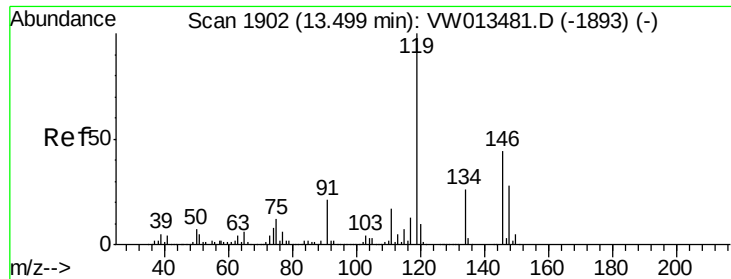
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#86
 p-Isopropyltoluene
 Concen: 145.132 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion:119 Resp: 1783594
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 21.1 10.8 32.3





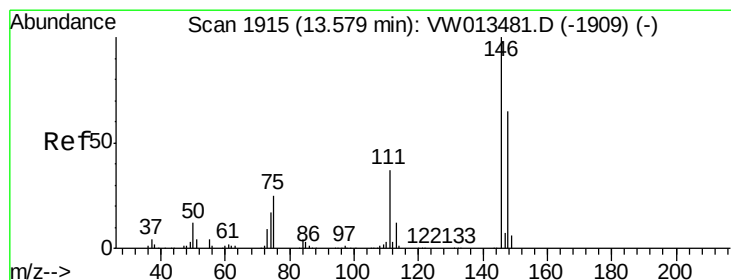
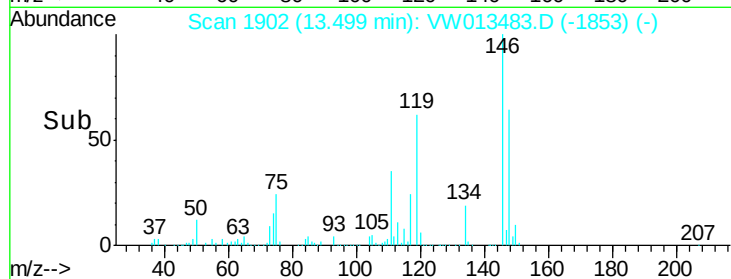
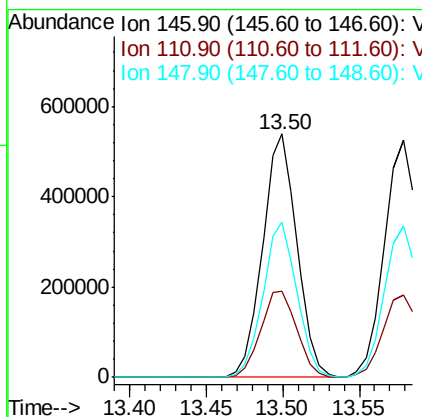
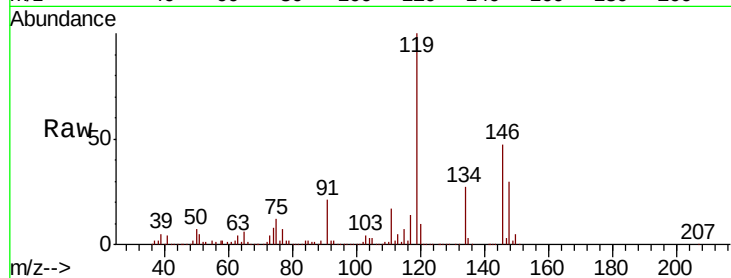
#87
 1,3-Dichlorobenzene
 Concen: 142.653 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.3	32.3	96.8

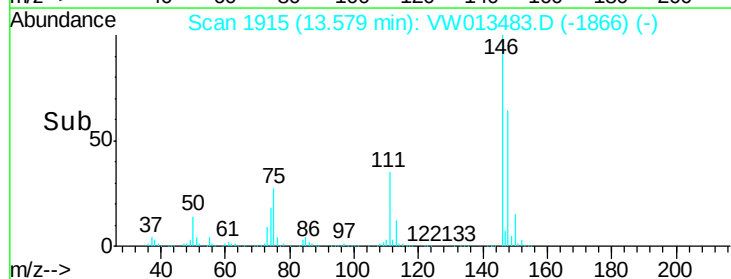
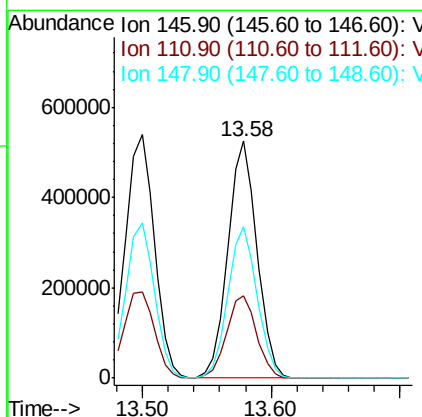
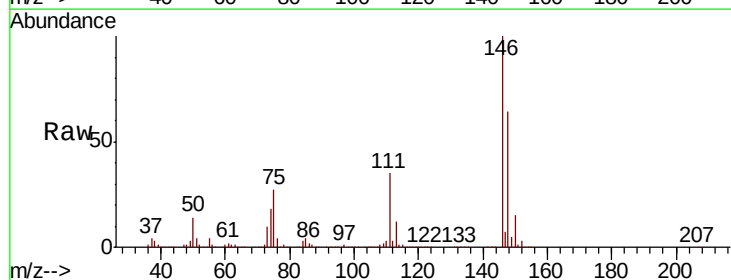
Manual Integrations
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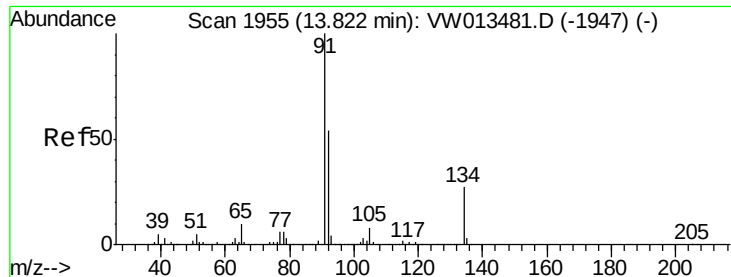
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#88
 1,4-Dichlorobenzene
 Concen: 143.339 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.4	55.4
148	64.3	32.0	96.2





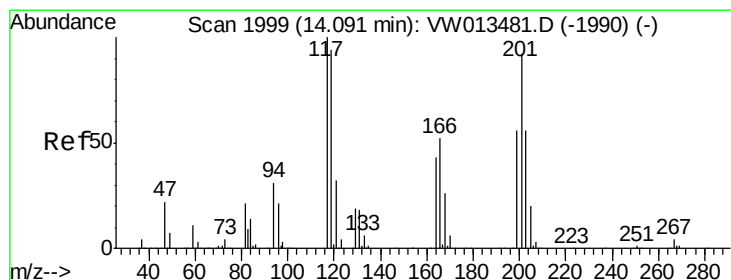
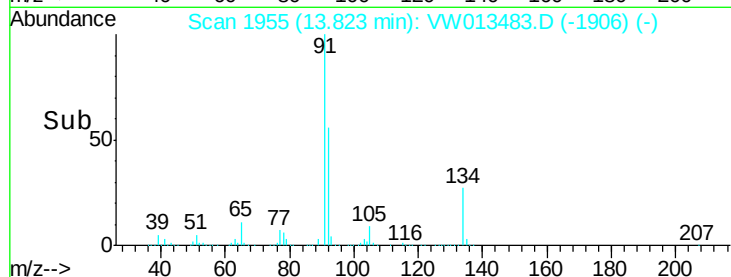
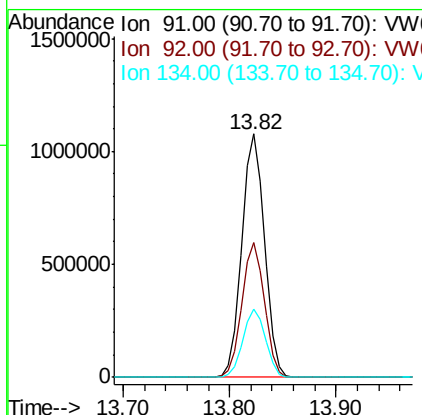
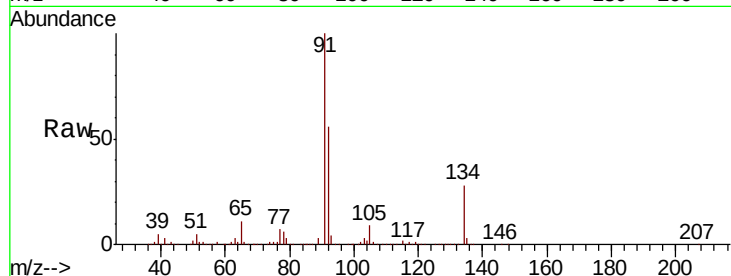
#89
n-Butylbenzene
Concen: 145.639 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.4
134	28.0	13.8	41.3

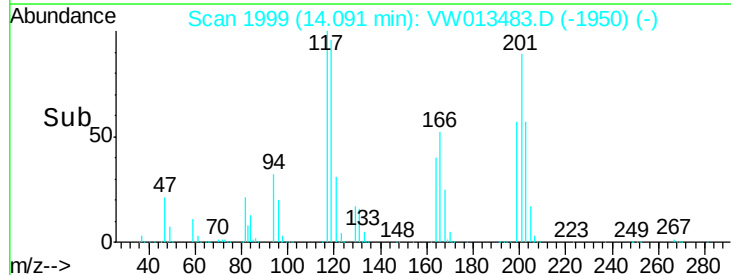
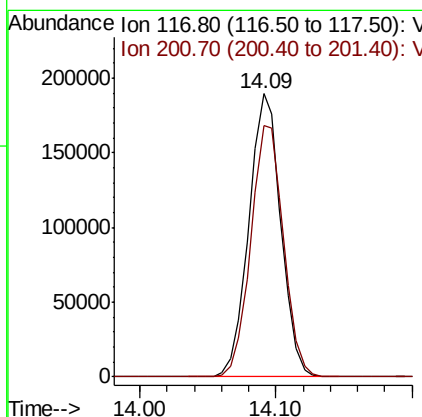
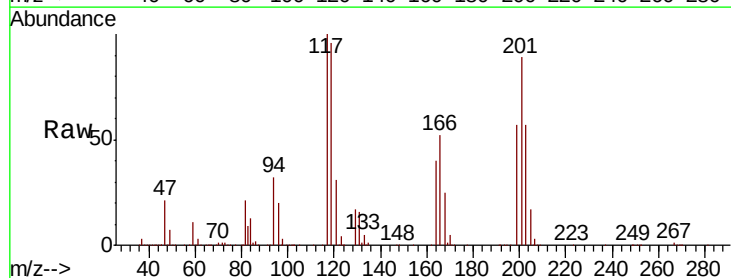
Manual Integrations
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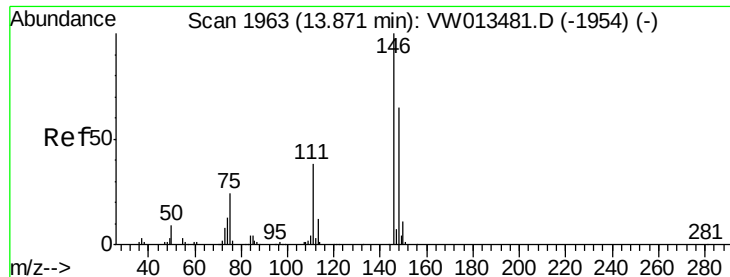
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#90
Hexachloroethane
Concen: 148.508 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	46.9	140.7





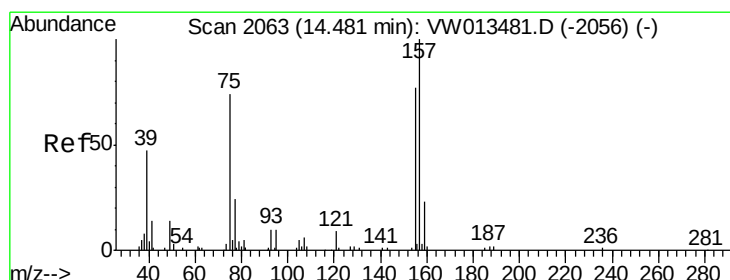
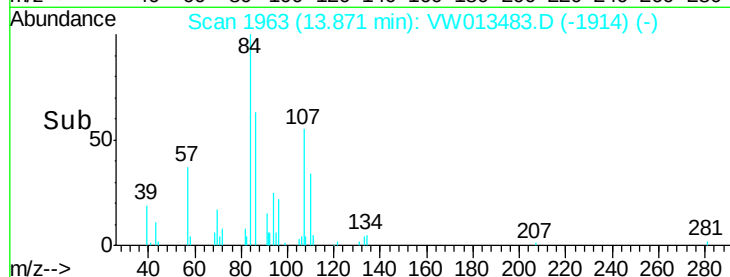
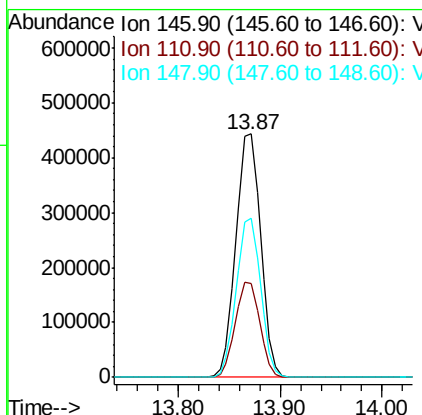
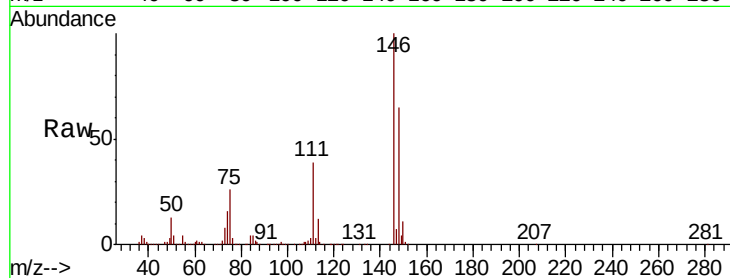
#91
 1,2-Dichlorobenzene
 Concen: 143.201 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.1	31.8	95.3

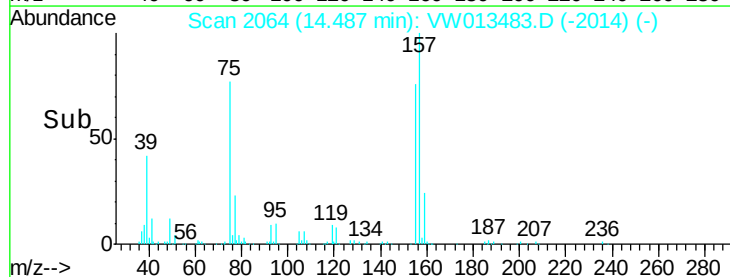
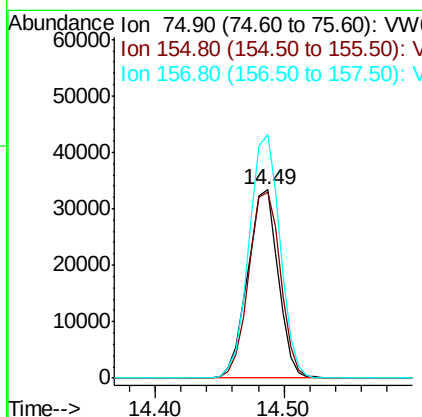
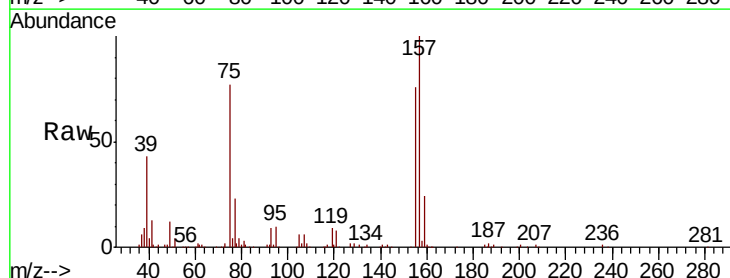
Manual Integrations
 APPROVED

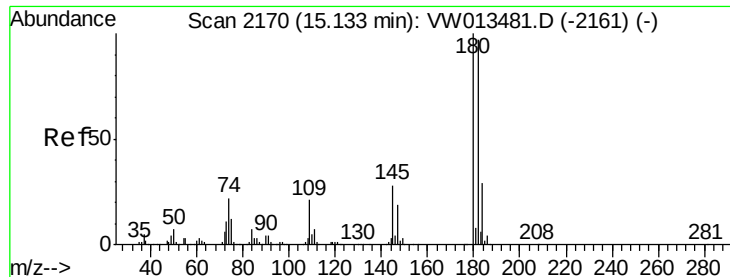
MMDadoda
 10/9/2019 4:09:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 152.560 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	51.0	153.1
157	130.8	65.9	197.7





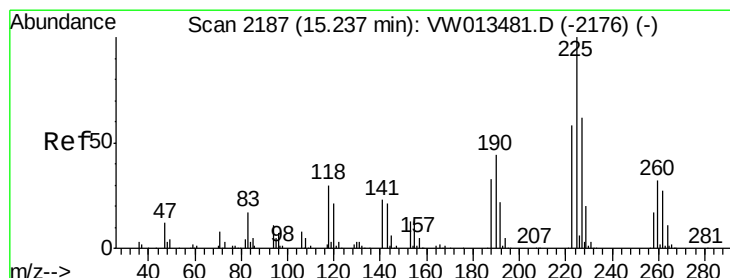
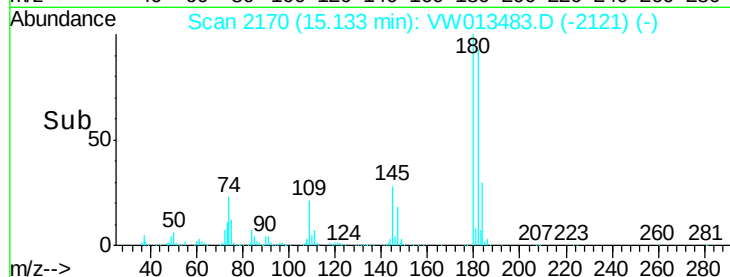
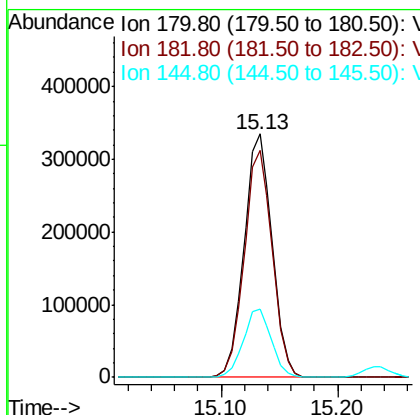
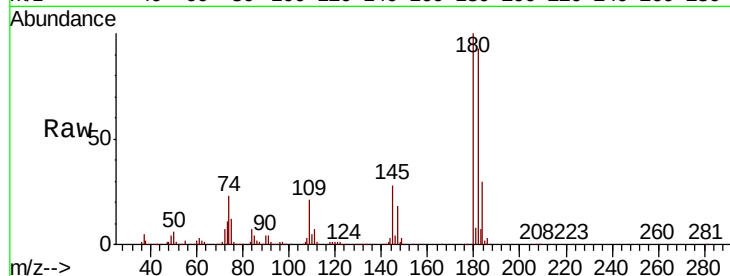
#93
 1,2,4-Trichlorobenzene
 Concen: 152.165 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	47.7	143.1	
145	28.1	14.0	41.9	

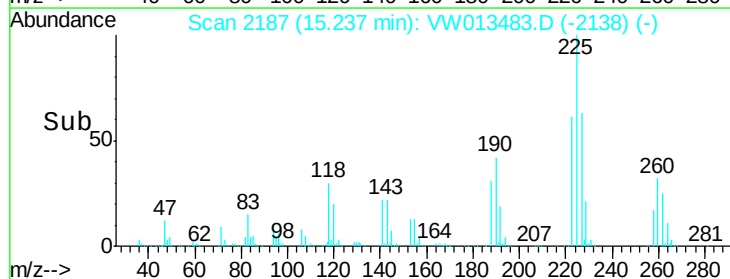
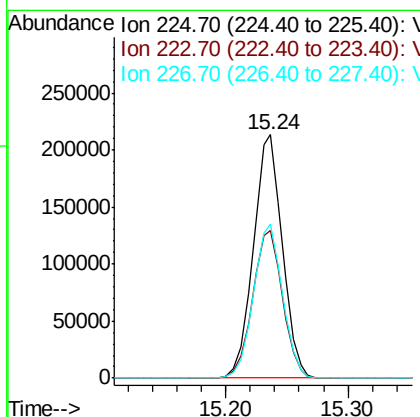
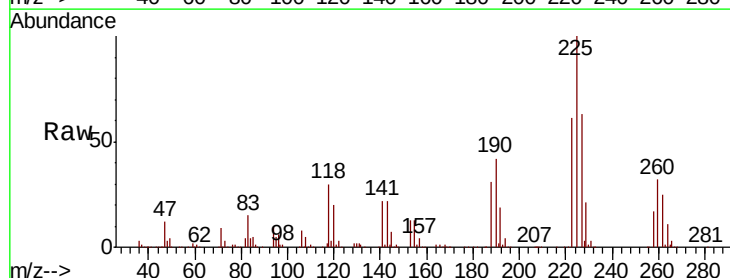
Manual Integrations
 APPROVED

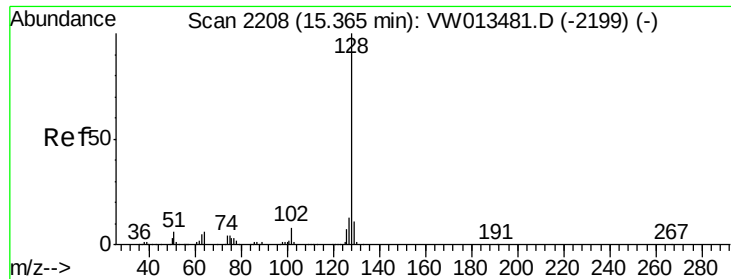
MMDadoda
 10/9/2019 4:09:35 PM



#94
 Hexachlorobutadiene
 Concen: 143.610 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013483.D
 Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	30.3	90.9	
227	63.7	32.0	96.0	





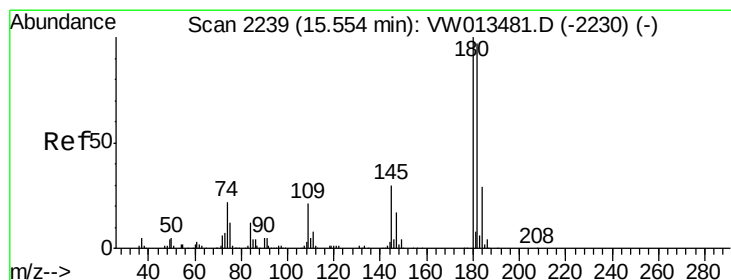
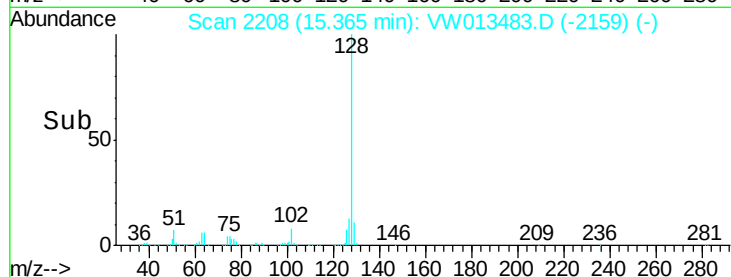
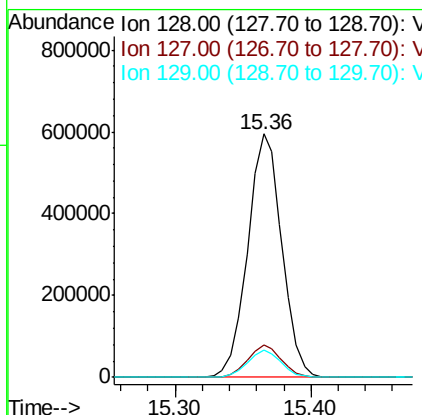
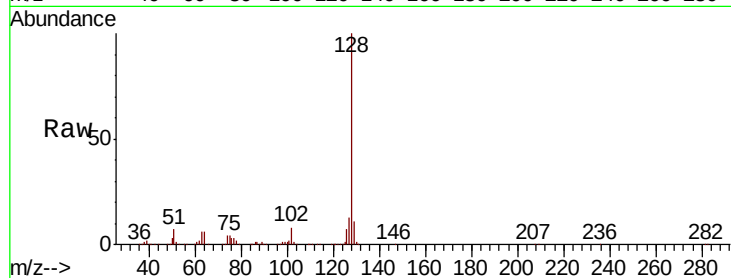
#95
Naphthalene
Concen: 163.498 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:09:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 152.606 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013483.D
Acq: 08 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.7	143.1
145	29.6	14.9	44.9

