

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
 Data File : VW013414.D
 Acq On : 03 Oct 2019 13:09
 Operator : SY/VA
 Sample : VW1003SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:07:13 PM

Quant Time: Oct 04 08:41:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	193695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125334	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	7.88	113	122893	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	10.32	98	516413	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.62	95	172200	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23273	19.699	ug/l	99
3) Chloromethane	2.21	50	41407	21.239	ug/l	97
4) Vinyl Chloride	2.36	62	60155	21.742	ug/l	99
5) Bromomethane	2.77	94	34728	20.430	ug/l	98
6) Chloroethane	2.92	64	31659	19.816	ug/l	97
7) Trichlorofluoromethane	3.25	101	27357	22.791	ug/l	93
8) Diethyl Ether	3.68	74	28268	20.346	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56845	21.360	ug/l	98
10) Methyl Iodide	4.26	142	90023	20.946	ug/l	99
11) Tert butyl alcohol	5.20	59	21333m	98.461	ug/l	
12) 1,1-Dichloroethene	4.03	96	59277	21.082	ug/l	97
13) Acrolein	3.89	56	26516	120.704	ug/l	99
14) Allyl chloride	4.67	41	91064	21.893	ug/l	97
15) Acrylonitrile	5.36	53	71145	113.277	ug/l	98
16) Acetone	4.13	43	60727	86.868	ug/l	96
17) Carbon Disulfide	4.38	76	159519	20.336	ug/l	97
18) Methyl Acetate	4.67	43	36806	22.495	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	87791	21.214	ug/l	100
20) Methylene Chloride	4.91	84	68396	22.450	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	62046	20.721	ug/l	94
22) Diisopropyl ether	6.31	45	168559	20.984	ug/l	97
23) Vinyl Acetate	6.25	43	511958	106.215	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103922	21.240	ug/l	99
25) 2-Butanone	7.17	43	91420	102.201	ug/l	96
26) 2,2-Dichloropropane	7.17	77	63081	21.332	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	64533	20.589	ug/l	99
28) Bromochloromethane	7.51	49	34093	19.273	ug/l	94
29) Tetrahydrofuran	7.53	42	58390	117.569	ug/l	99
30) Chloroform	7.67	83	100255	20.897	ug/l	99
31) Cyclohexane	7.95	56	107537	20.610	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	82480	21.945	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88300	21.846	ug/l	98
37) Ethyl Acetate	7.25	43	40882	22.998	ug/l	98
38) Carbon Tetrachloride	8.06	117	75203	21.478	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110116	20.686	ug/l	98
40) Benzene	8.32	78	240422	21.012	ug/l	97
41) Methacrylonitrile	7.48	41	24583	22.855	ug/l	100
42) 1,2-Dichloroethane	8.40	62	63562	21.614	ug/l	98
43) Isopropyl Acetate	8.42	43	71589	21.322	ug/l	99
44) Trichloroethene	9.09	130	68468	21.250	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56991	20.745	ug/l	94
46) Dibromomethane	9.46	93	29719	21.719	ug/l	98
47) Bromodichloromethane	9.64	83	69219	20.549	ug/l	94
48) Methyl methacrylate	9.43	41	33517	20.776	ug/l	97
49) 1,4-Dioxane	9.47	88	10866	504.602	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	192354	109.044	ug/l	100
52) Toluene	10.38	92	154019	20.870	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71508	20.409	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87144	20.513	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43031	21.081	ug/l	93
56) Ethyl methacrylate	10.65	69	56810	20.677	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75104	21.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134063	118.784	ug/l	99
59) 2-Hexanone	10.97	43	128555	105.142	ug/l	97
60) Dibromochloromethane	11.13	129	48677	20.845	ug/l	100
61) 1,2-Dibromoethane	11.23	107	43418	22.012	ug/l	97
64) Tetrachloroethene	10.86	164	59153	20.974	ug/l	97
65) Chlorobenzene	11.66	112	159416	20.991	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	55206	21.343	ug/l	98
67) Ethyl Benzene	11.73	91	289872	21.296	ug/l	100
68) m/p-Xylenes	11.84	106	225771	42.973	ug/l	99
69) o-Xylene	12.16	106	102861	21.175	ug/l	96
70) Styrene	12.18	104	173458	20.889	ug/l	99
71) Bromoform	12.35	173	29059	20.721	ug/l #	98
73) Isopropylbenzene	12.46	105	290687	20.517	ug/l	98
74) N-amyl acetate	12.27	43	61195	20.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52025	21.694	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32553m	18.910	ug/l	
77) Bromobenzene	12.74	156	68794	20.221	ug/l	98
78) n-propylbenzene	12.80	91	337581	20.713	ug/l	100
79) 2-Chlorotoluene	12.89	91	185676	20.512	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	241122	20.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15826	22.108	ug/l	98
82) 4-Chlorotoluene	12.99	91	193201	20.375	ug/l	98
83) tert-Butylbenzene	13.21	119	211269	20.551	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	238669	20.399	ug/l	99
85) sec-Butylbenzene	13.38	105	291776	20.586	ug/l	100
86) p-Isopropyltoluene	13.50	119	271351	20.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	131426	20.534	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	128669	20.078	ug/l	99
89) n-Butylbenzene	13.82	91	244978	20.686	ug/l	99
90) Hexachloroethane	14.09	117	44073	20.309	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	114932	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7576	21.121	ug/l	91

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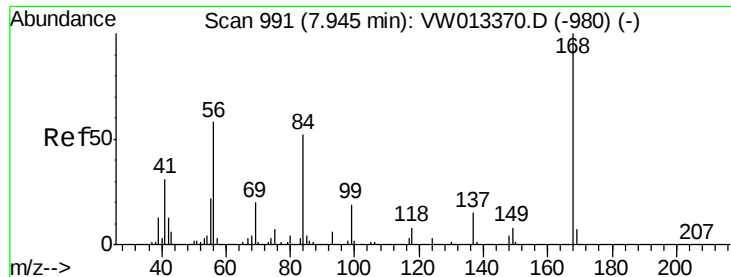
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79513	19.582	ug/l	98
94) Hexachlorobutadiene	15.24	225	53036	20.106	ug/l	97
95) Naphthalene	15.36	128	134480	19.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	68856	19.422	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion:168 Resp: 305445

Ion Ratio Lower Upper

168 100

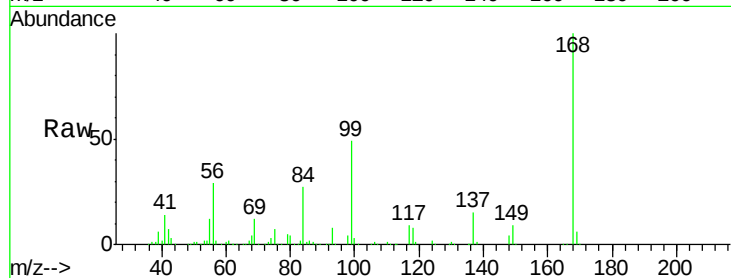
99 48.9 40.2 60.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

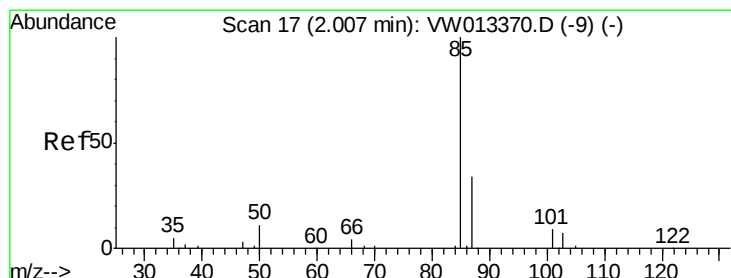
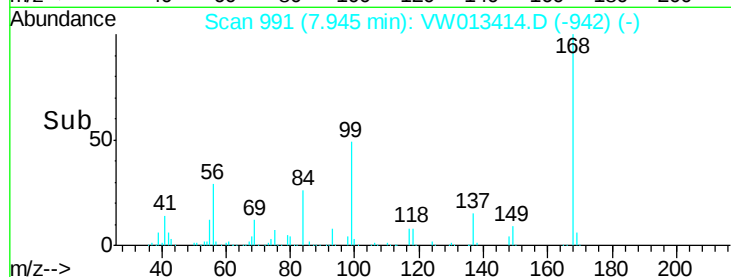
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.699 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013414.D

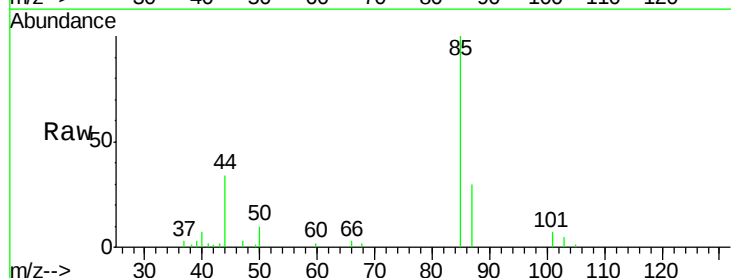
Acq: 03 Oct 2019 13:09

Tgt Ion: 85 Resp: 23273

Ion Ratio Lower Upper

85 100

87 29.6 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

6000

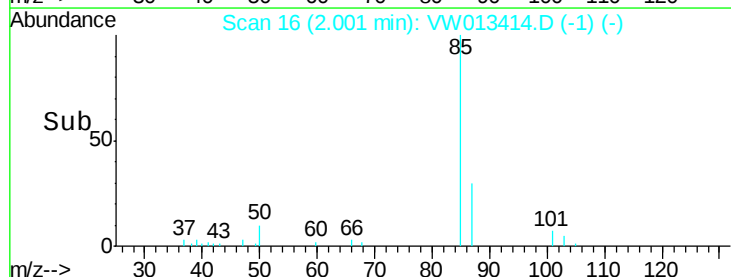
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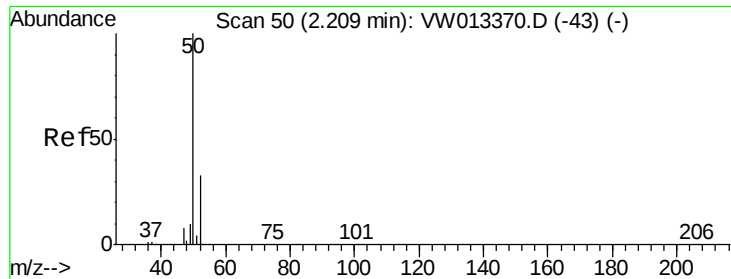
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.239 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 50 Resp: 41407

Ion Ratio Lower Upper

50 100

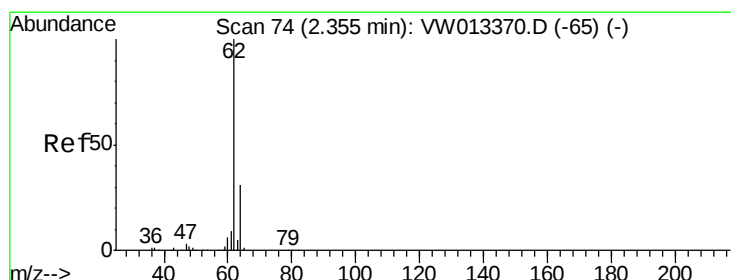
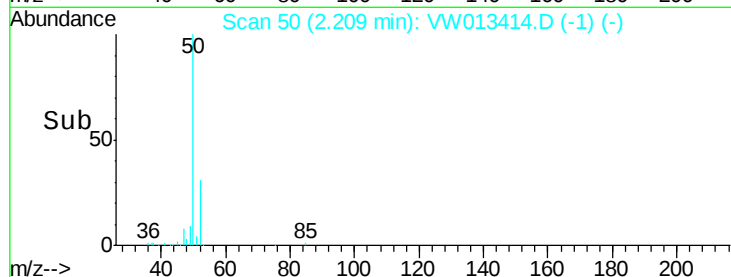
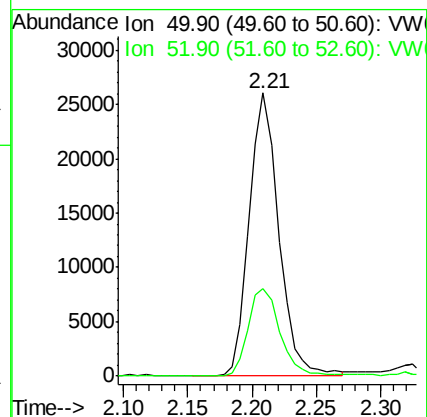
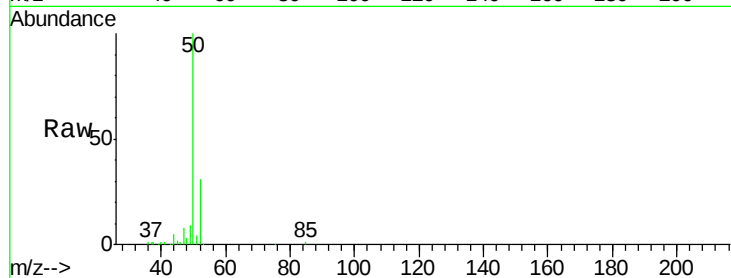
52 30.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.742 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013414.D

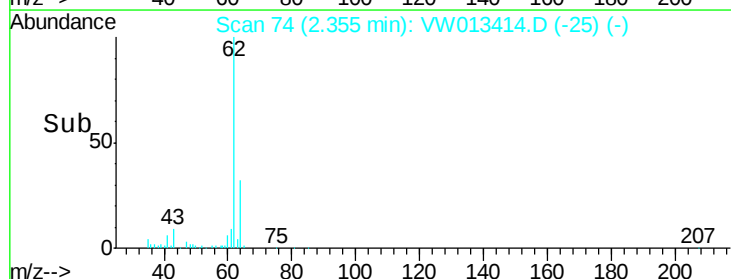
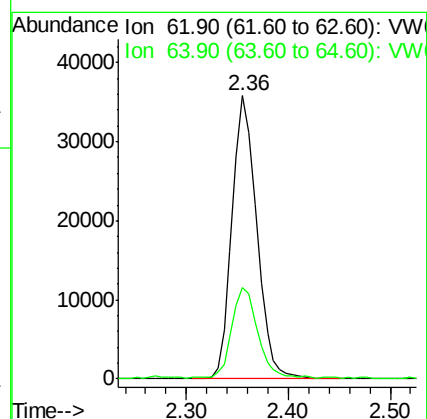
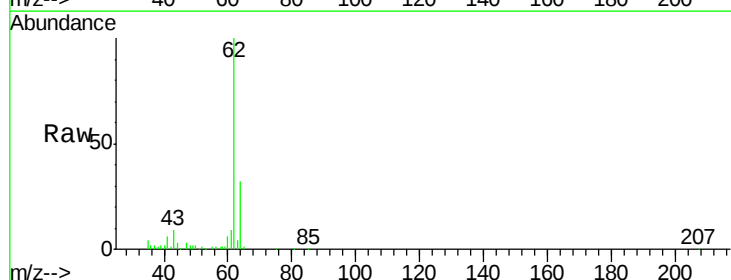
Acq: 03 Oct 2019 13:09

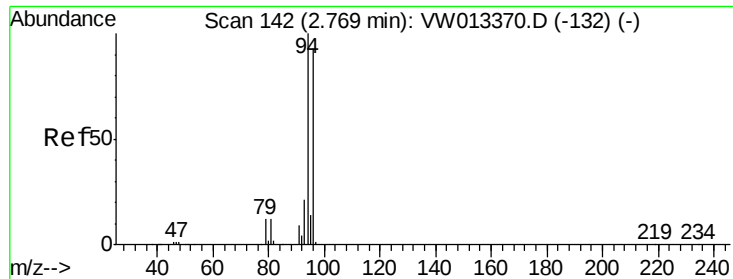
Tgt Ion: 62 Resp: 60155

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 20.430 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 94 Resp: 34728

Ion Ratio Lower Upper

94 100

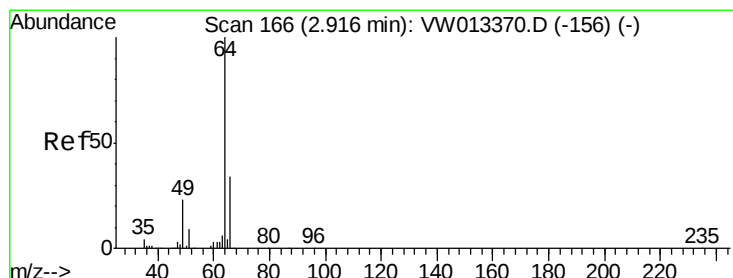
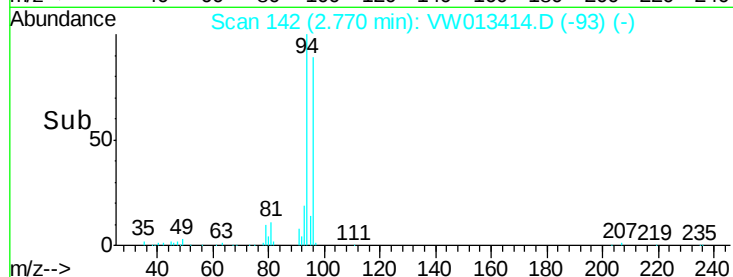
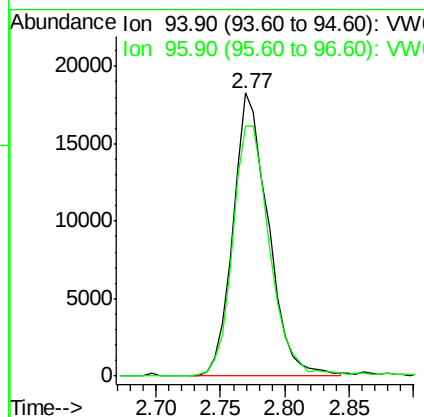
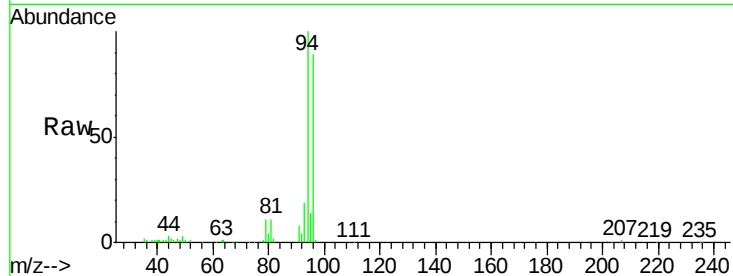
96 88.5 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 19.816 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013414.D

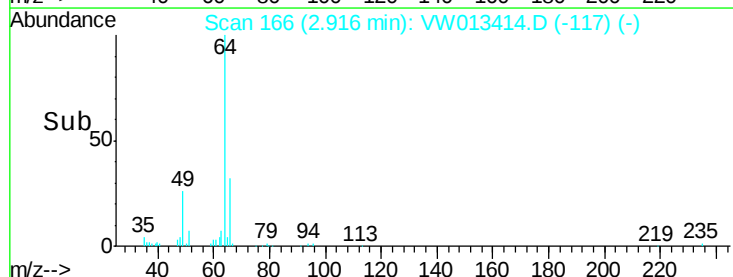
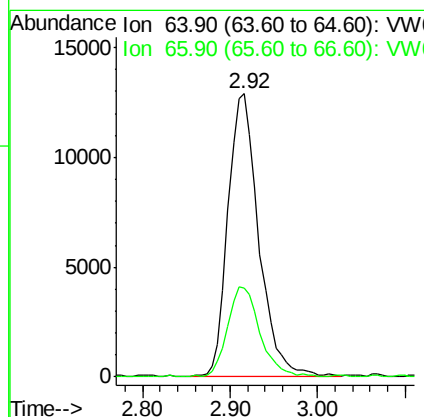
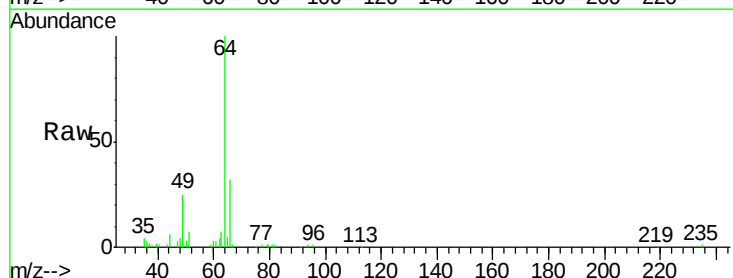
Acq: 03 Oct 2019 13:09

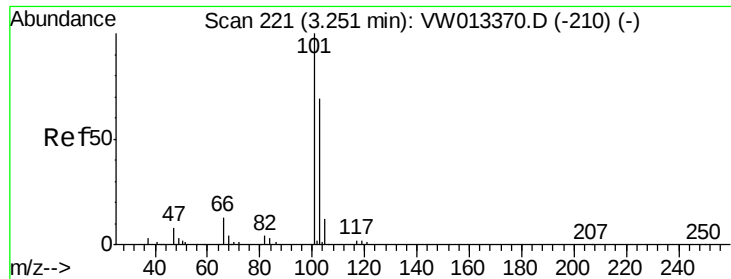
Tgt Ion: 64 Resp: 31659

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8





#7

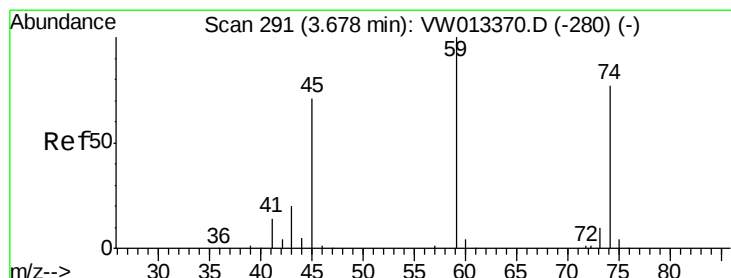
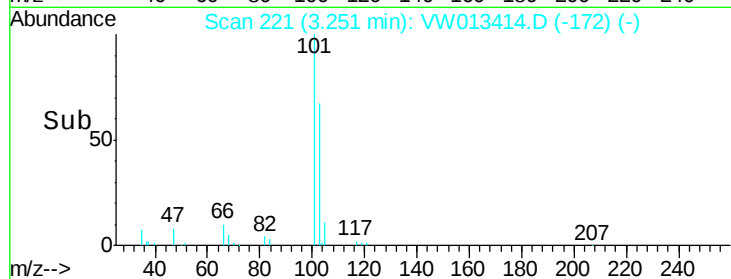
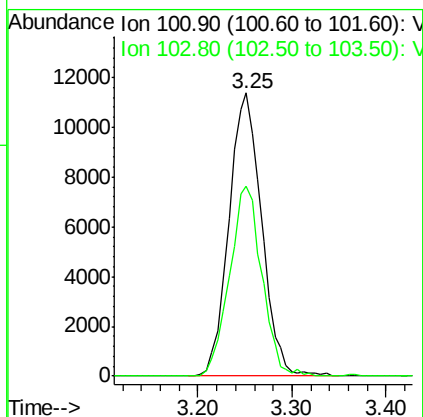
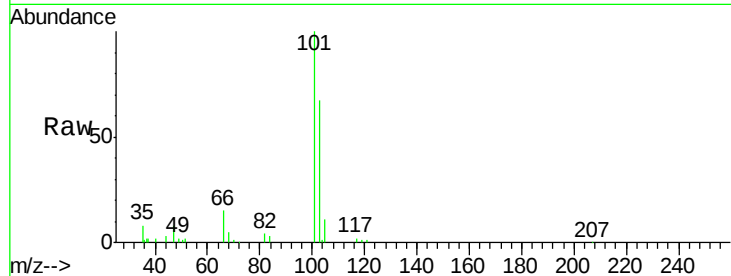
Trichlorofluoromethane
 Concen: 22.791 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
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 ClientSampleId :
 VW1003SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	49.7	74.5

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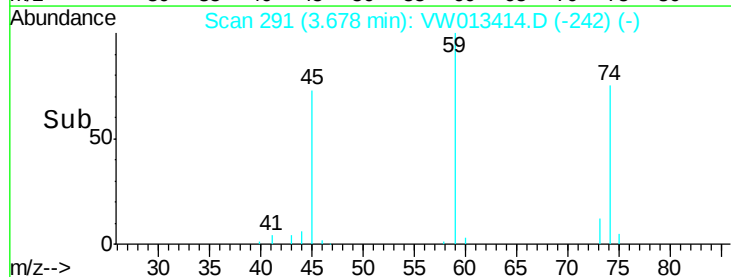
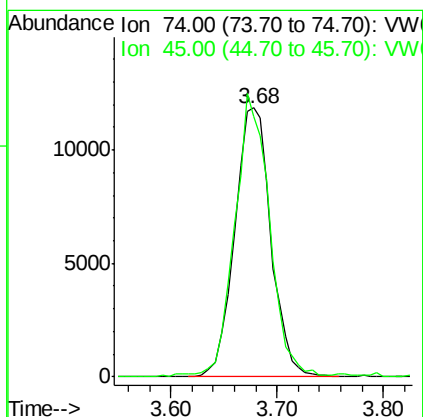
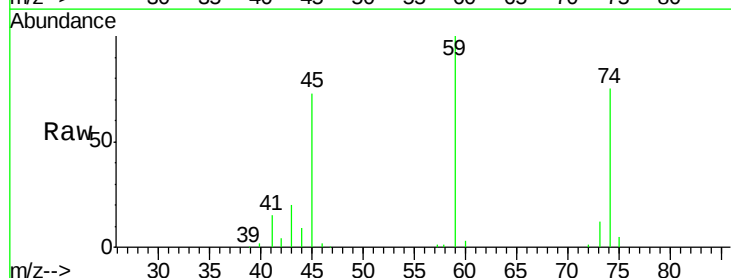
MMDadoda
 10/4/2019 12:07:13 PM

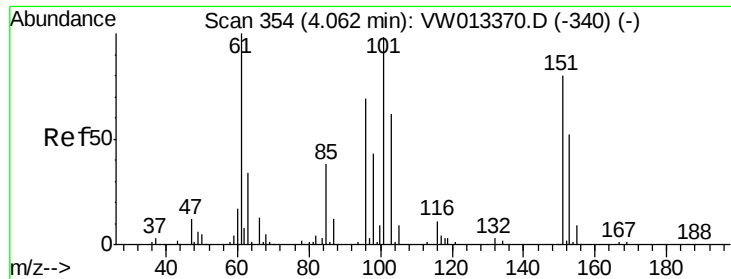


#8

Diethyl Ether
 Concen: 20.346 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.360 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

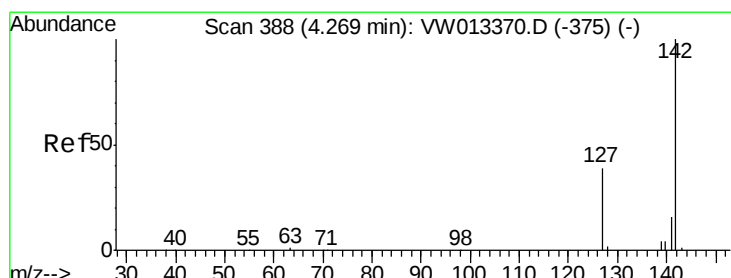
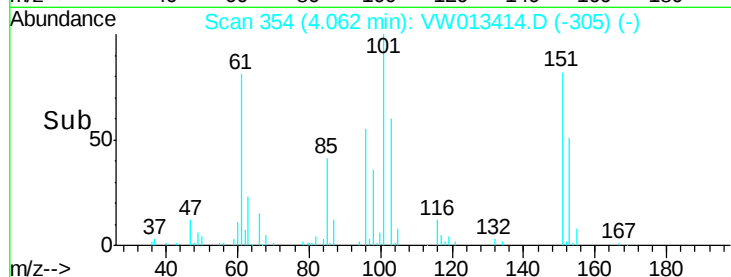
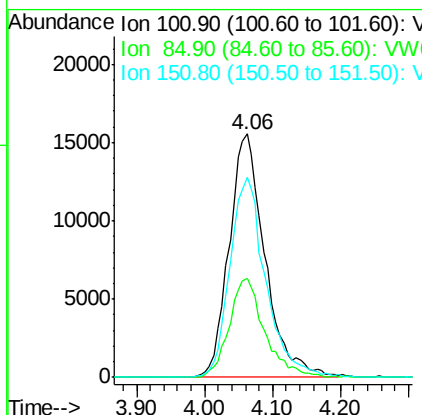
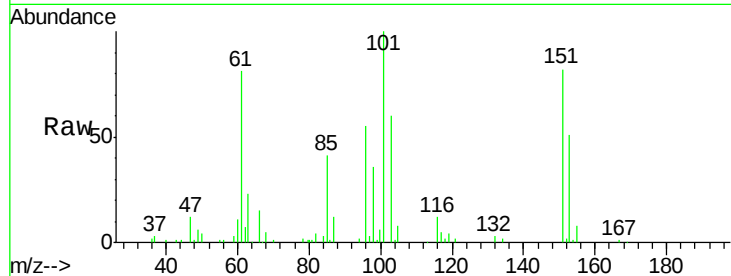
ClientSampleId :

VW1003SBS01

Tot Ion:	101	Resp:	56845
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.4	50.0
151	82.4	66.9	100.3

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#10

Methyl Iodide

Concen: 20.946 ug/l

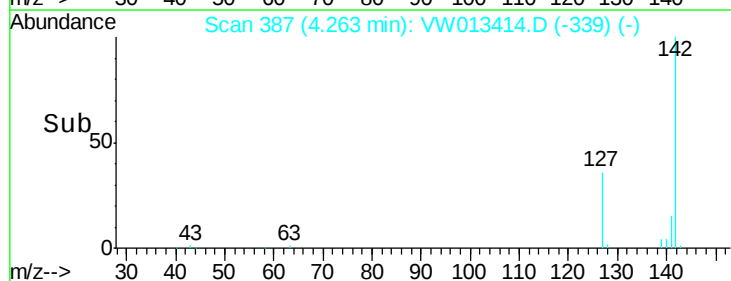
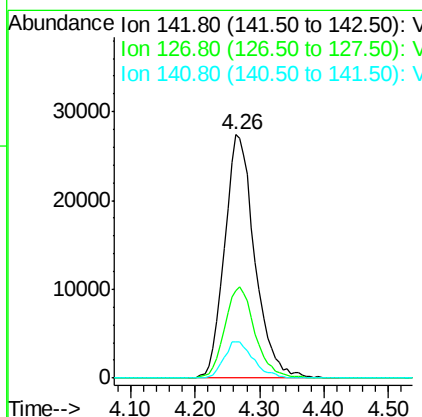
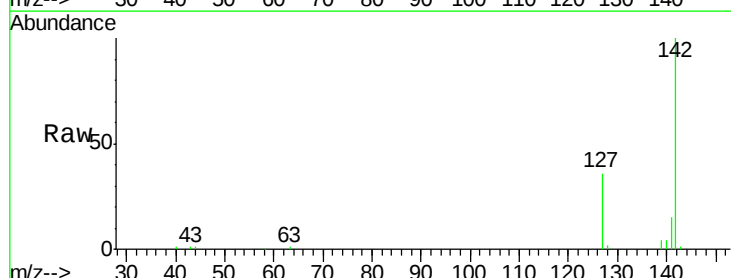
RT: 4.26 min Scan# 387

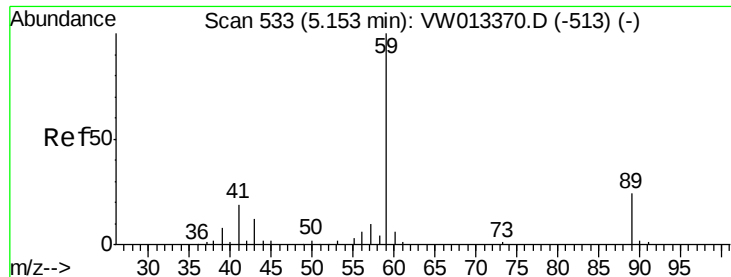
Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	142	Resp:	90023
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.9	46.3
141	14.6	11.7	17.5





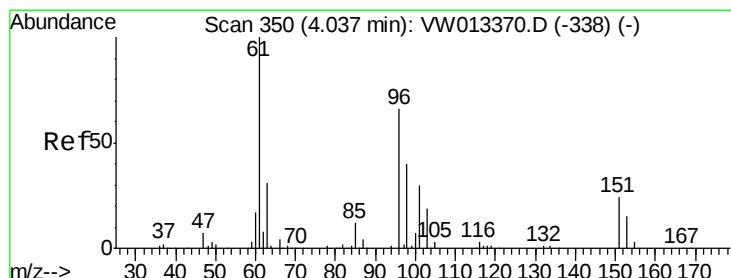
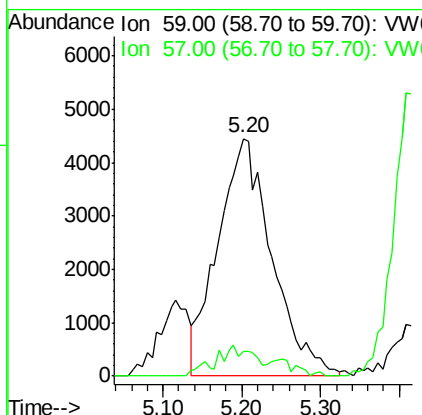
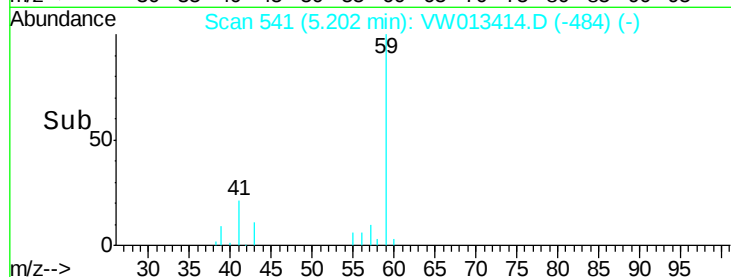
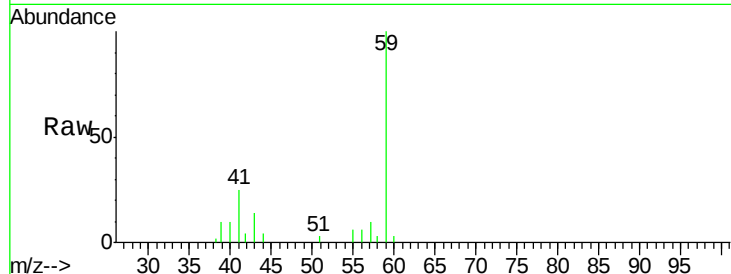
#11
Tert butyl alcohol
Concen: 98.461 ug/l m
RT: 5.20 min Scan# 541
Delta R.T. 0.05 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion: 59 Resp: 21333
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

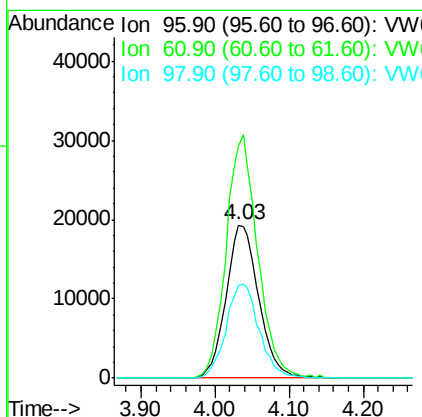
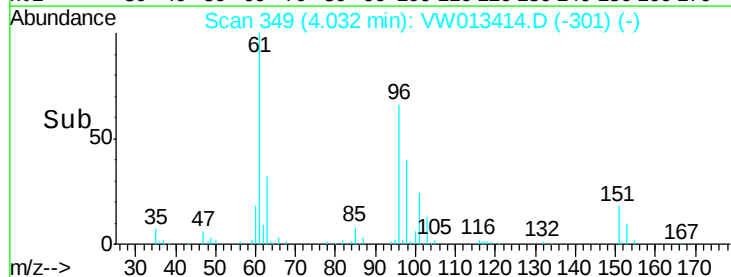
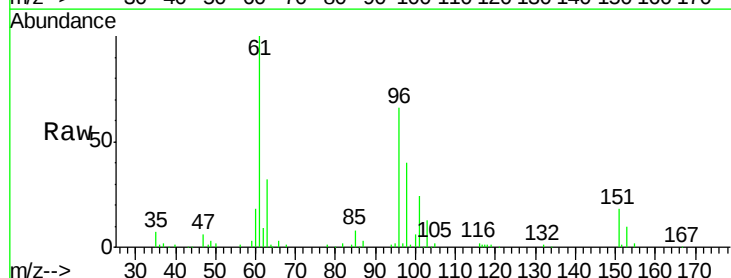
Manual Integrations
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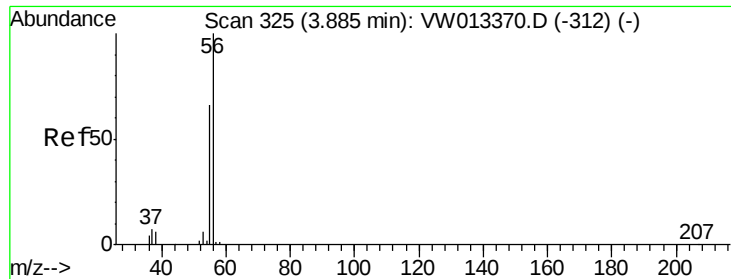
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.082 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 96 Resp: 59277
Ion Ratio Lower Upper
96 100
61 152.1 125.1 187.7
98 60.8 50.8 76.2





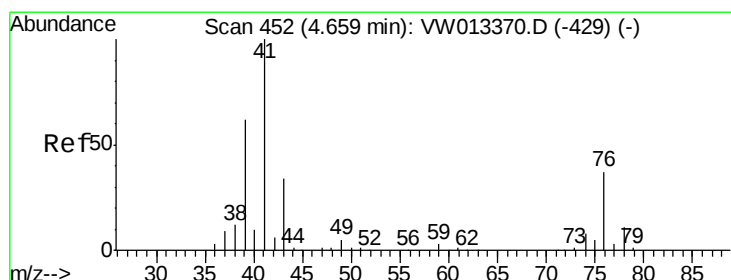
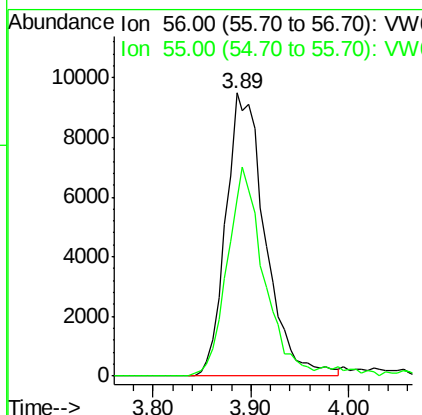
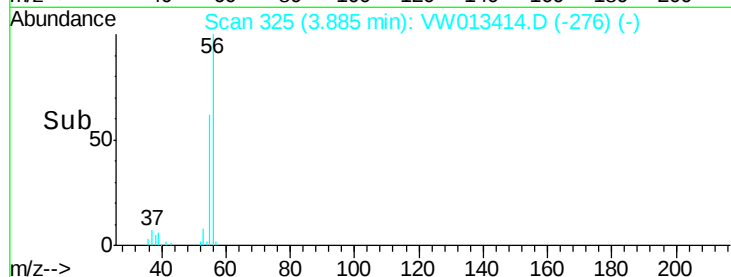
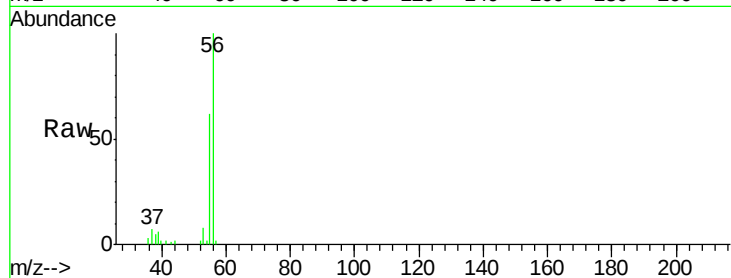
#13
Acrolein
Concen: 120.704 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.1	55.4	83.0	

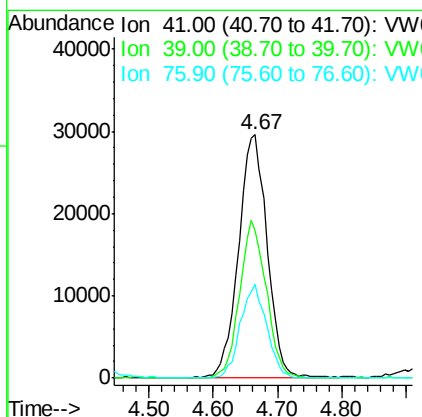
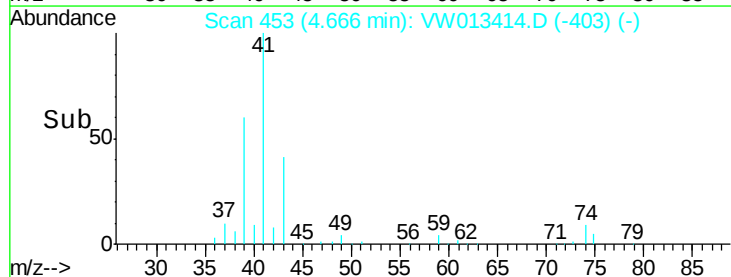
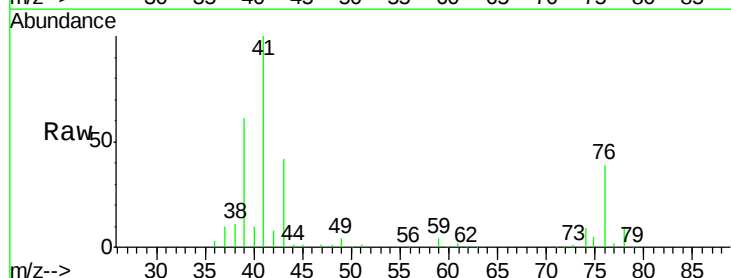
Manual Integrations
APPROVED

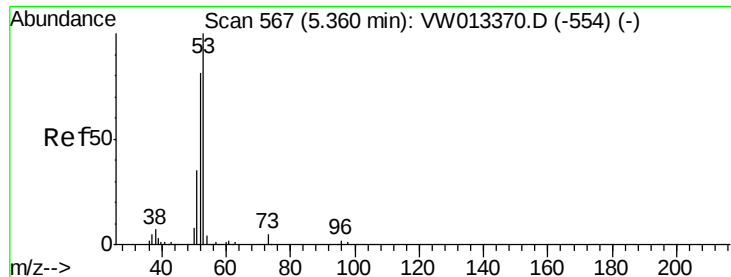
MMDadoda
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#14
Allyl chloride
Concen: 21.893 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.2	51.0	76.4	
76	35.2	28.4	42.6	





#15

Acrylonitrile

Concen: 113.277 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

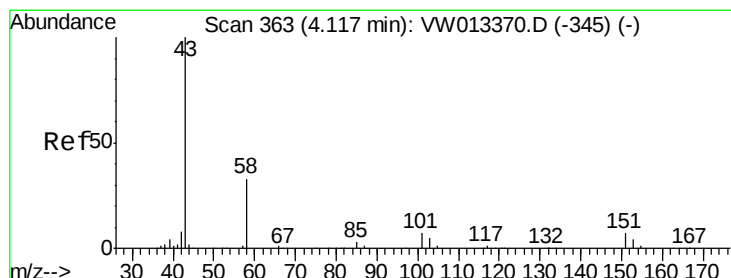
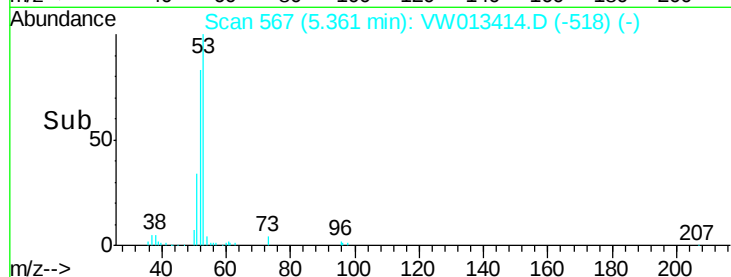
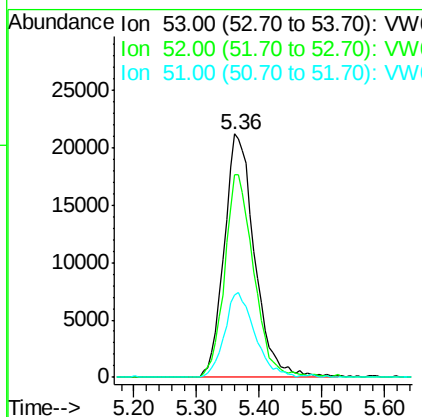
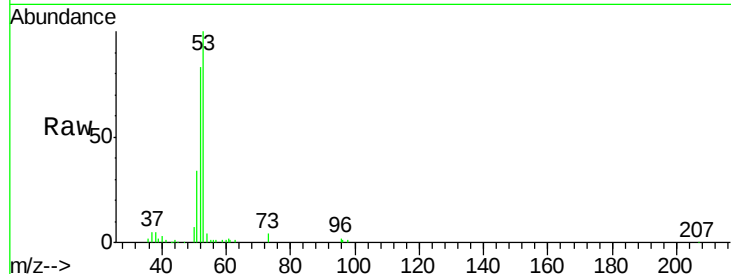
ClientSampleId :

VW1003SBS01

Tot Ion:	53	Resp:	71145
Ion Ratio	Lower	Upper	
53	100		
52	79.9	65.3	97.9
51	34.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 86.868 ug/l

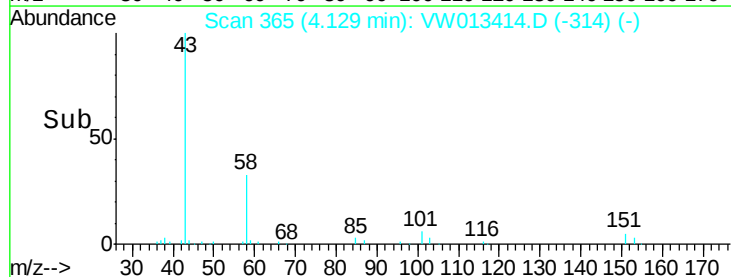
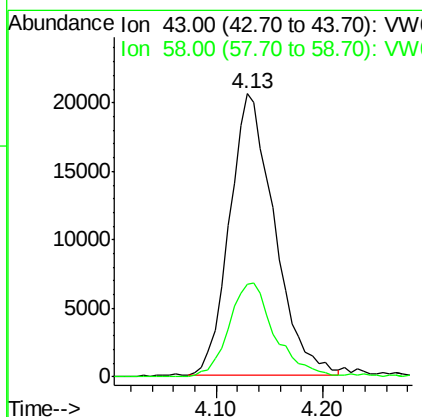
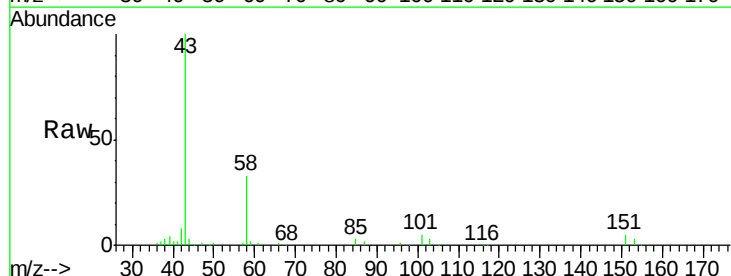
RT: 4.13 min Scan# 365

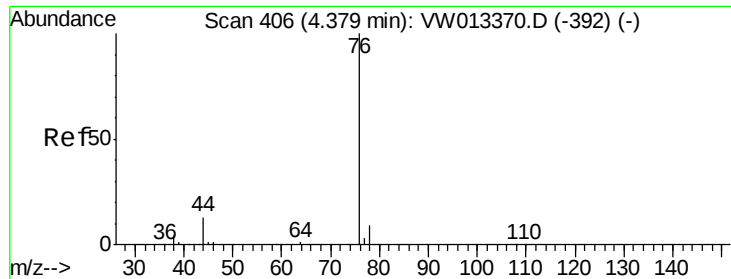
Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	43	Resp:	60727
Ion Ratio	Lower	Upper	
43	100		
58	32.5	24.1	36.1





#17

Carbon Disulfide

Concen: 20.336 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 76 Resp: 159519

Ion Ratio Lower Upper

76 100

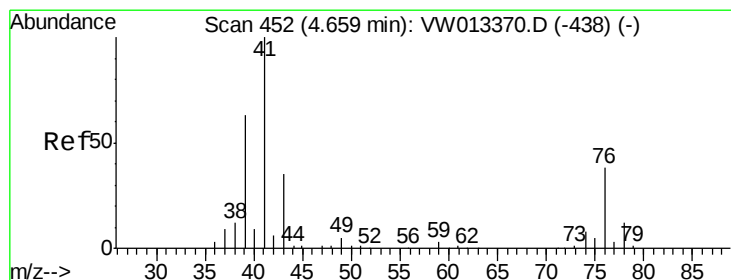
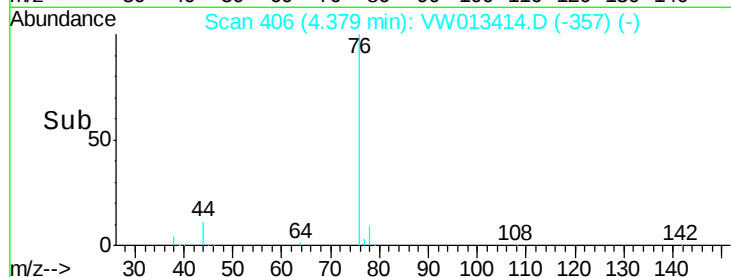
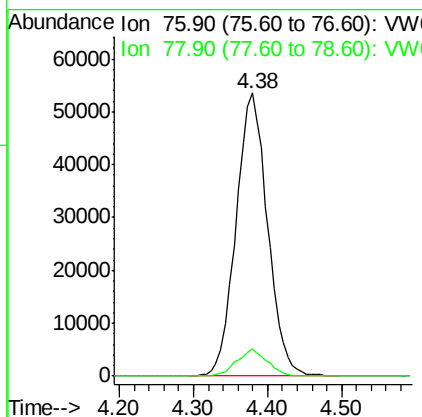
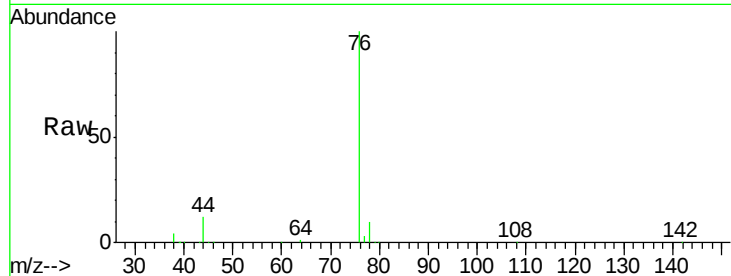
78 9.7 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 22.495 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013414.D

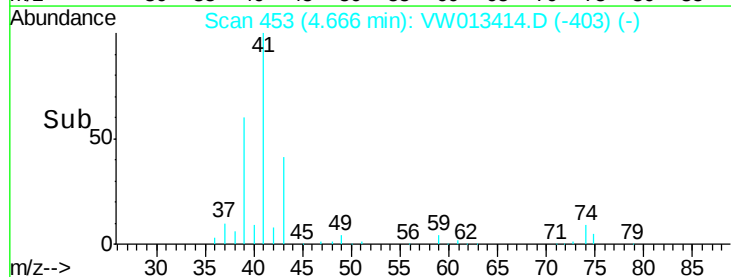
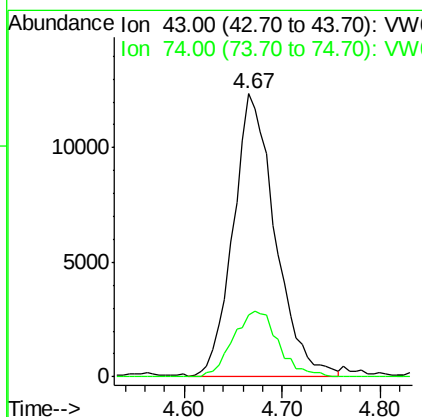
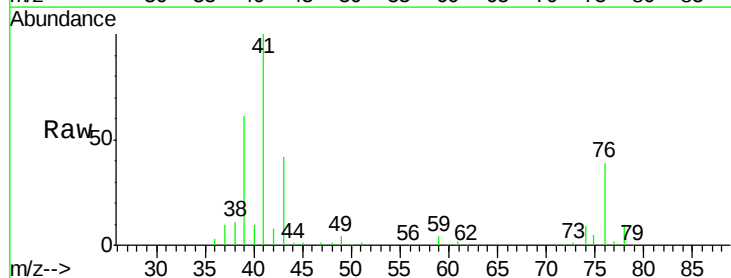
Acq: 03 Oct 2019 13:09

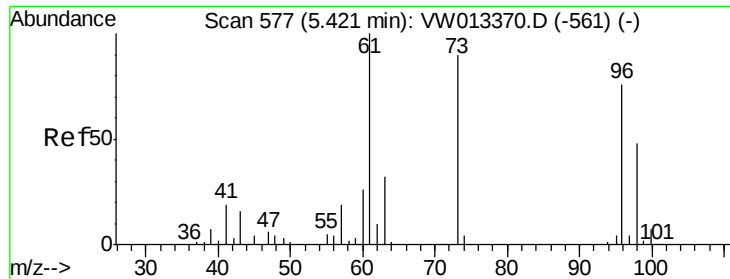
Tgt Ion: 43 Resp: 36806

Ion Ratio Lower Upper

43 100

74 25.0 19.3 28.9





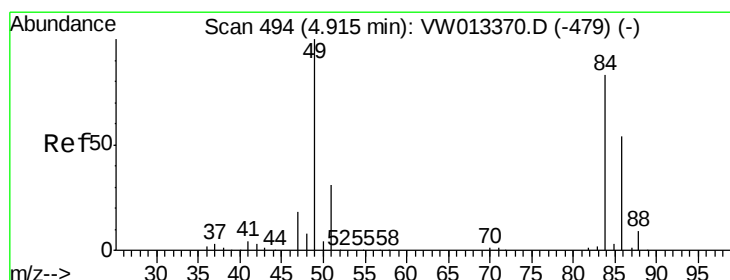
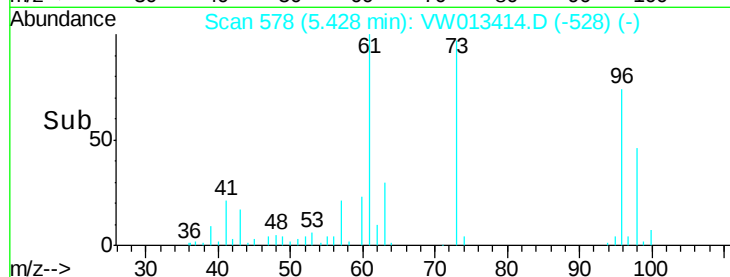
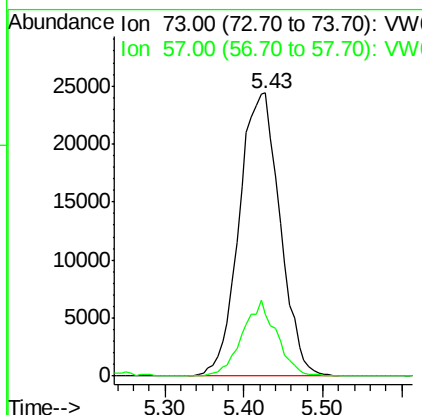
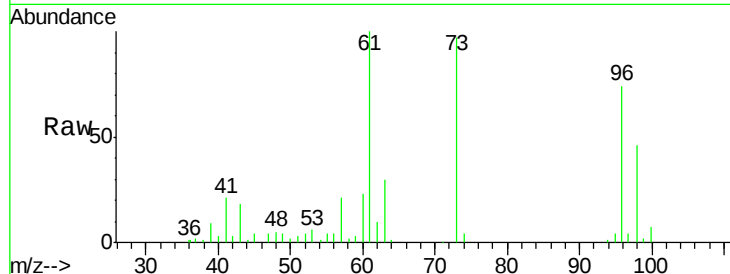
#19
Methvl tert-butvl Ether
Concen: 21.214 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion: 73 Resp: 87791
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

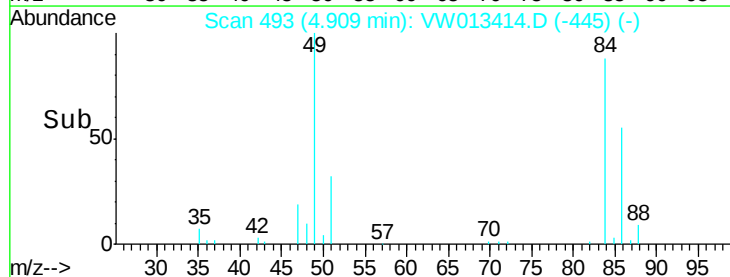
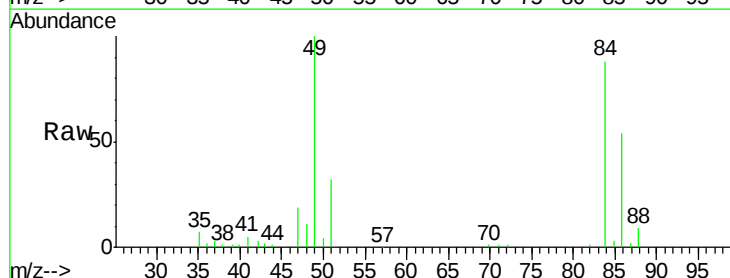
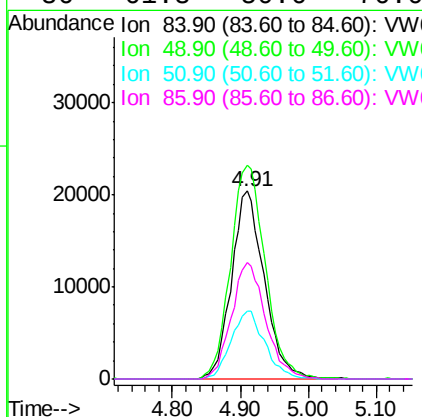
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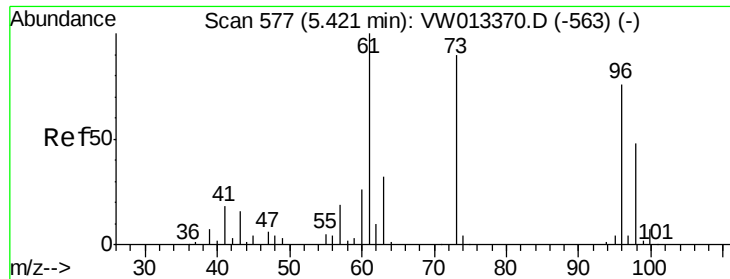
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#20
Methylene Chloride
Concen: 22.450 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 84 Resp: 68396
Ion Ratio Lower Upper
84 100
49 113.7 97.6 146.4
51 36.0 30.2 45.2
86 61.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.721 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

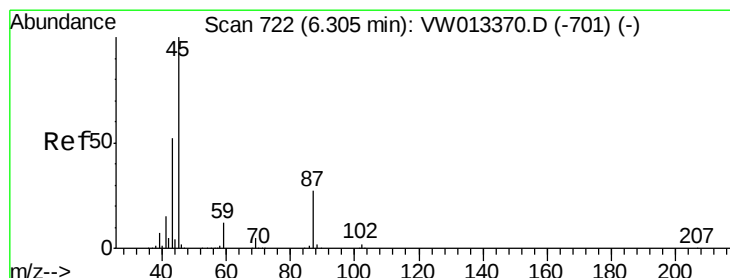
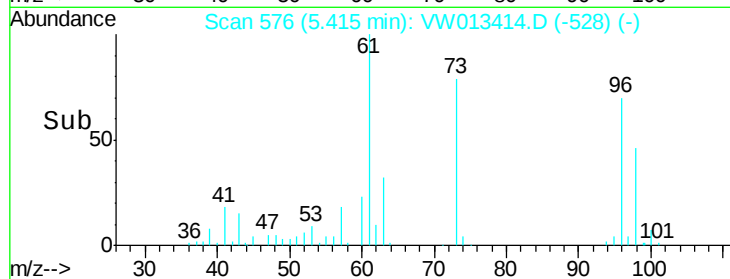
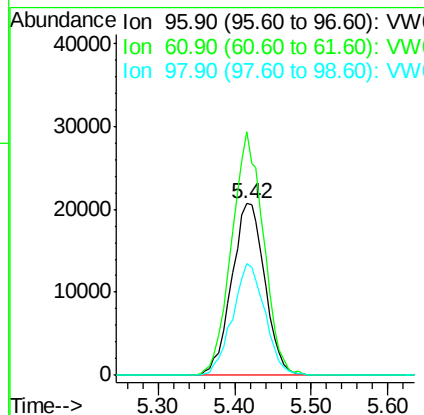
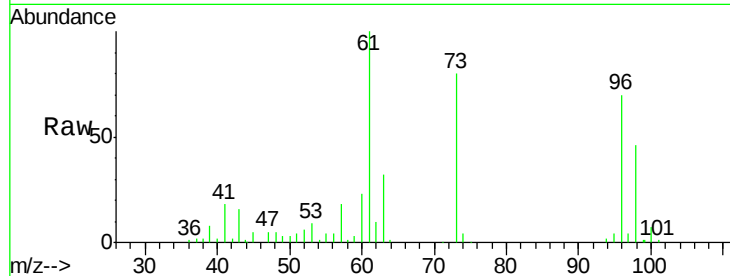
ClientSampleId :

VW1003SBS01

Tot Ion:	96	Resp:	62046
Ion	Ratio	Lower	Upper
96	100		
61	142.0	106.6	159.8
98	65.4	49.8	74.8

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#22

Diisopropyl ether

Concen: 20.984 ug/l

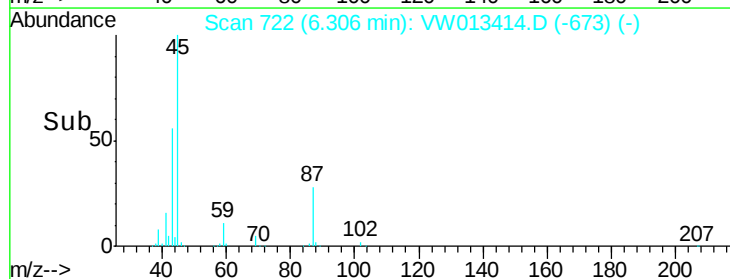
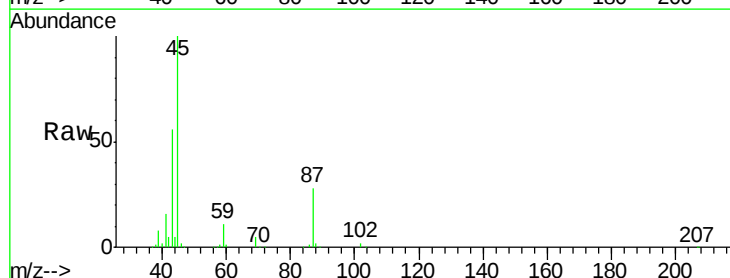
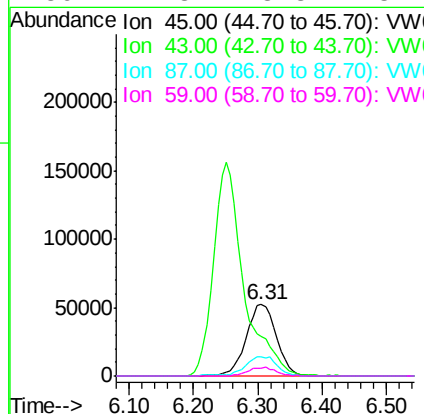
RT: 6.31 min Scan# 722

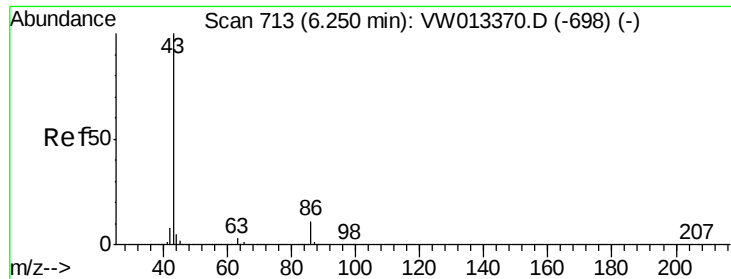
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	45	Resp:	168559
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.4	63.6
87	27.6	20.4	30.6
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 106.215 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 43 Resp: 511958

Ion Ratio Lower Upper

43 100

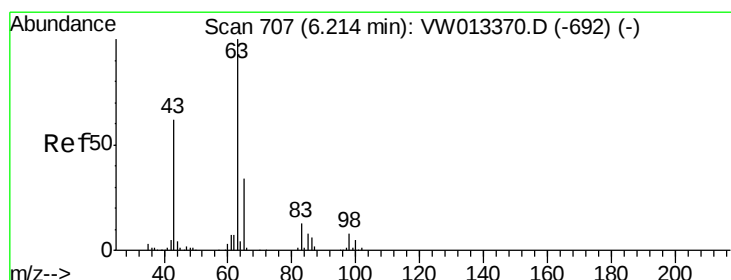
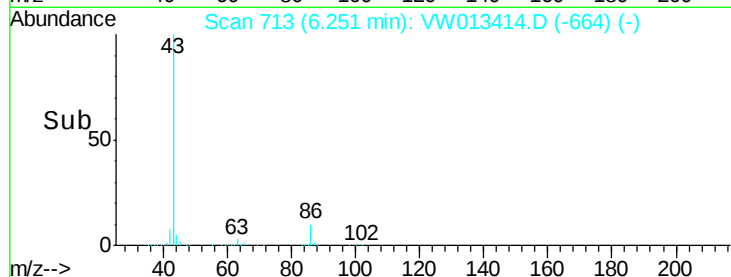
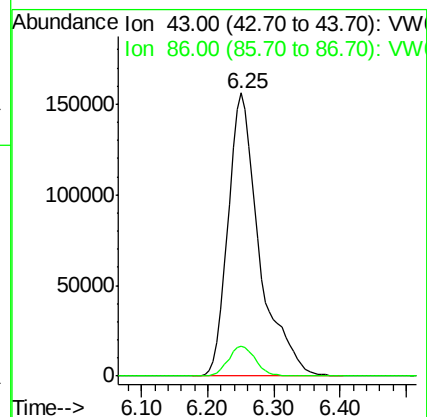
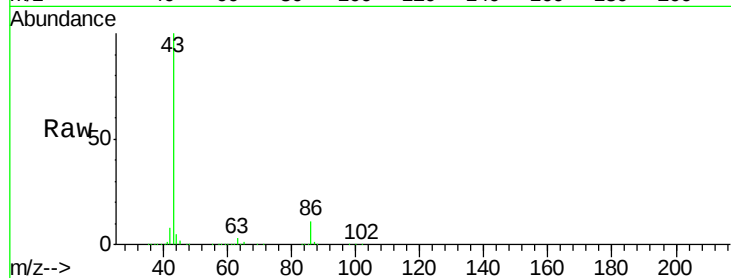
86 10.5 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.240 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

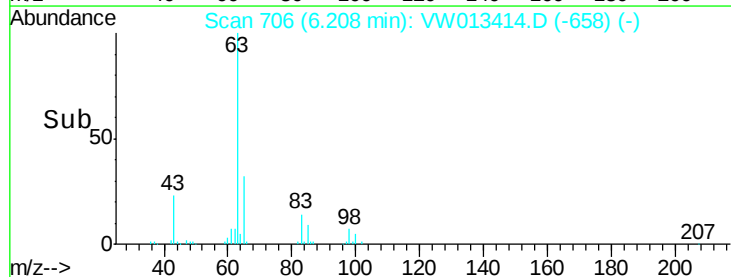
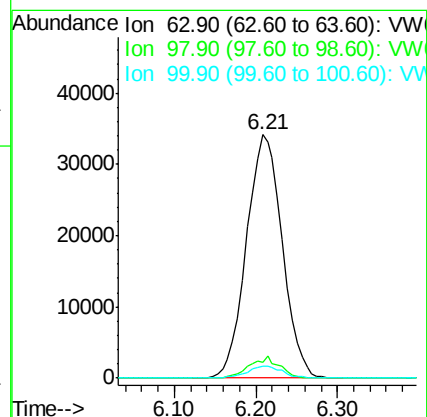
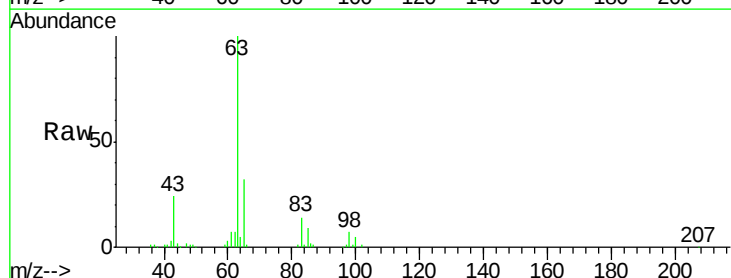
Tgt Ion: 63 Resp: 103922

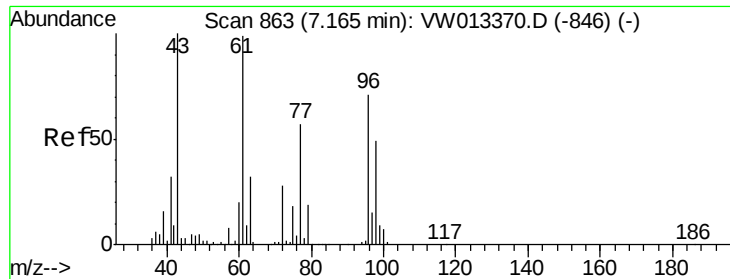
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 102.201 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 43 Resp: 91420

Ion Ratio Lower Upper

43 100

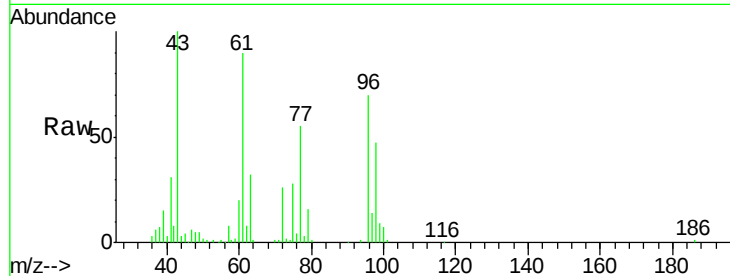
72 26.1 19.4 29.0

Manual Integrations

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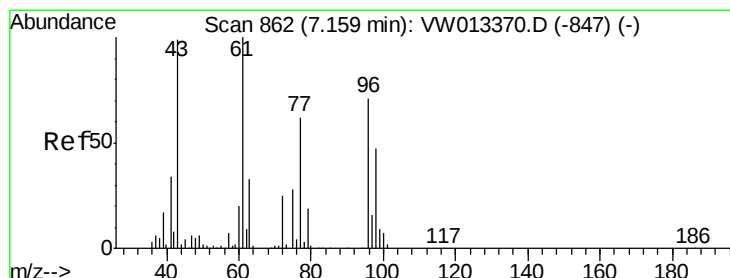
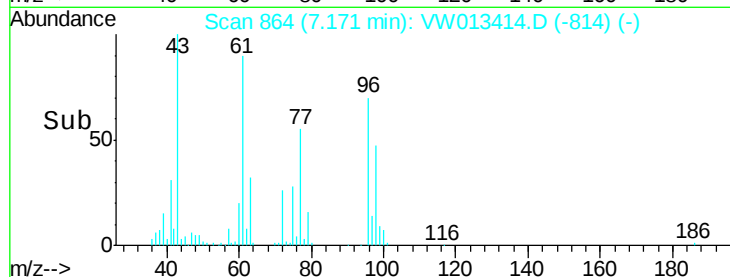
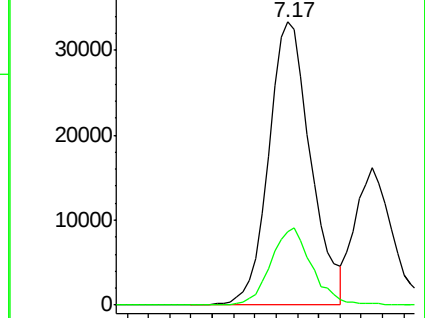
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 21.332 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013414.D

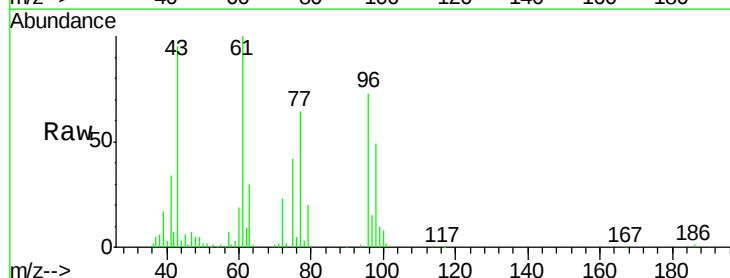
Acq: 03 Oct 2019 13:09

Tgt Ion: 77 Resp: 63081

Ion Ratio Lower Upper

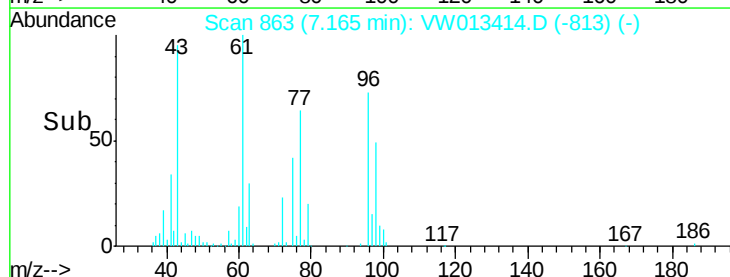
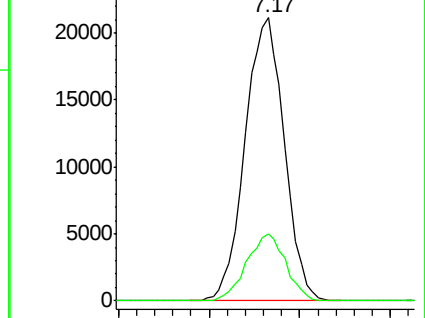
77 100

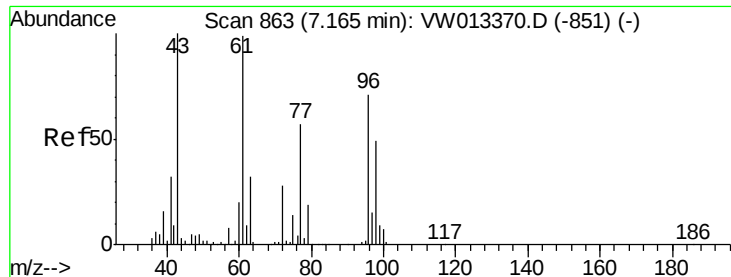
97 23.4 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

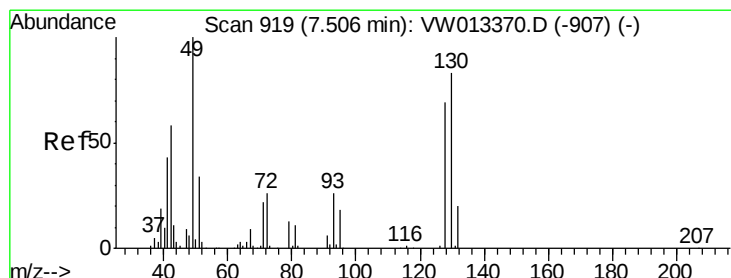
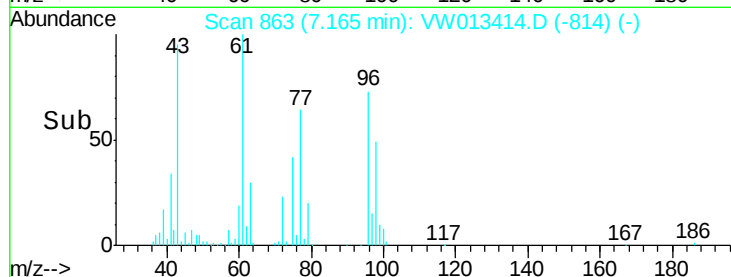
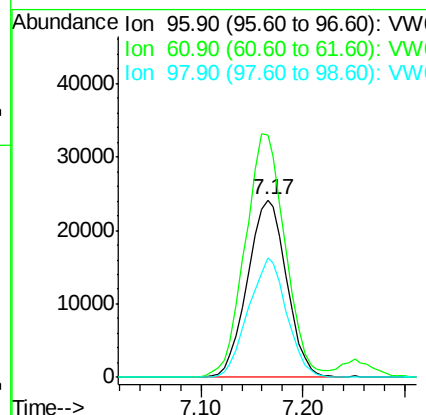
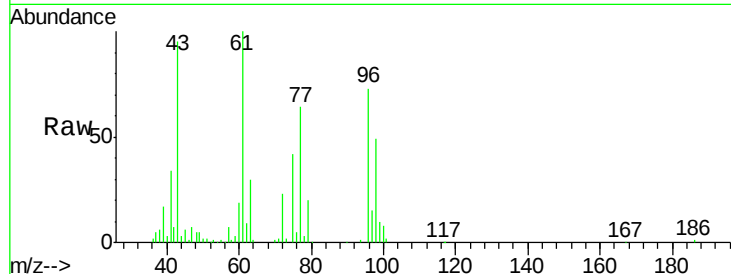
cis-1,2-Dichloroethene
 Concen: 20.589 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	282.4
98	65.7	0.0	128.2

Manual Integrations
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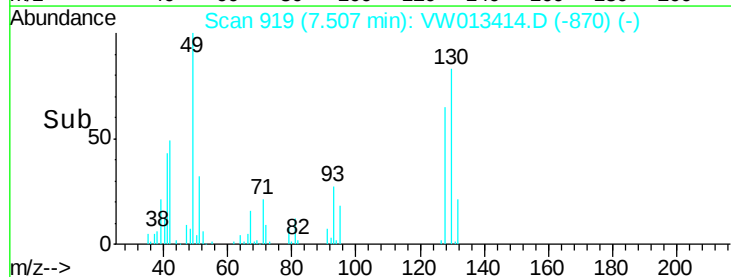
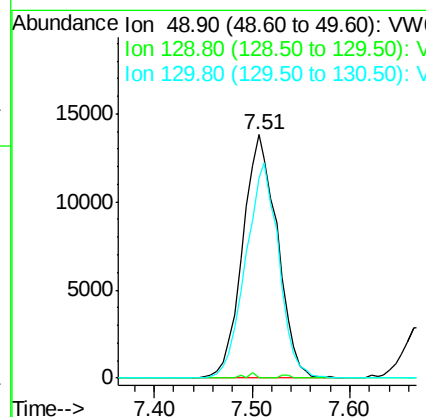
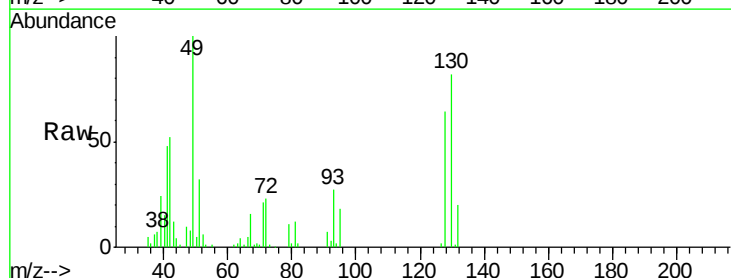
MMDadoda
 10/4/2019 12:07:13 PM

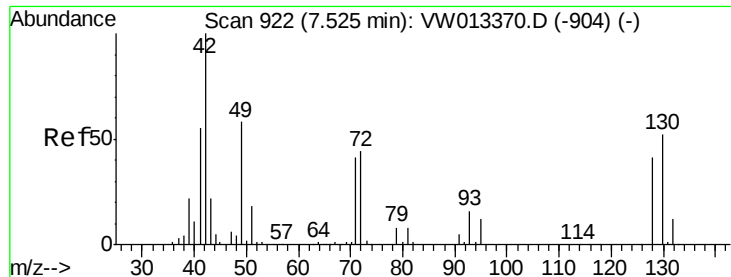


#28

Bromochloromethane
 Concen: 19.273 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.0
130	84.5	63.4	95.2





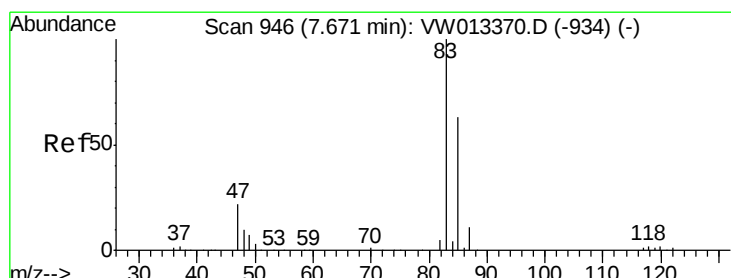
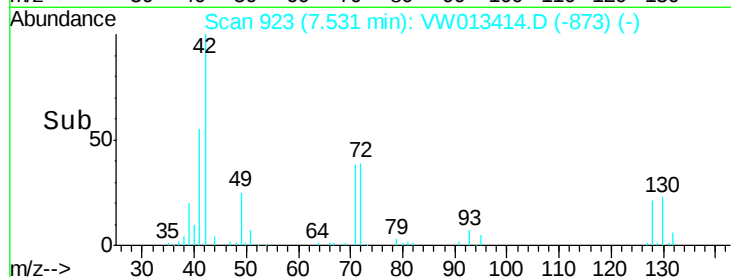
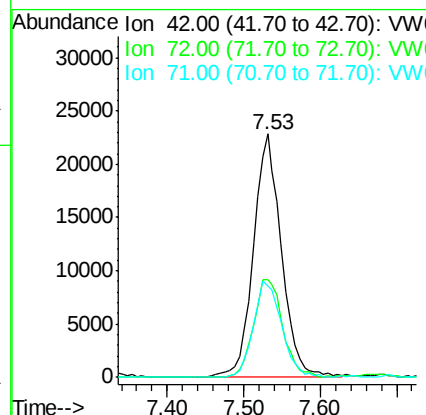
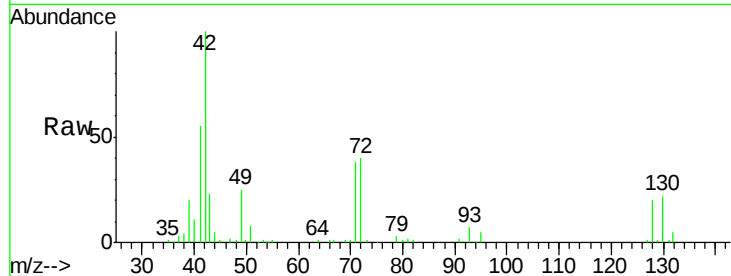
#29
Tetrahydrofuran
Concen: 117.569 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.9	50.9
71	39.8	31.9	47.9

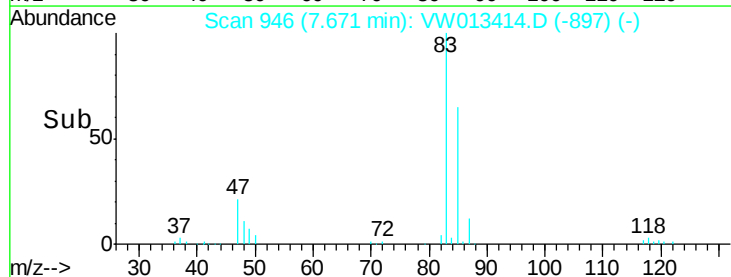
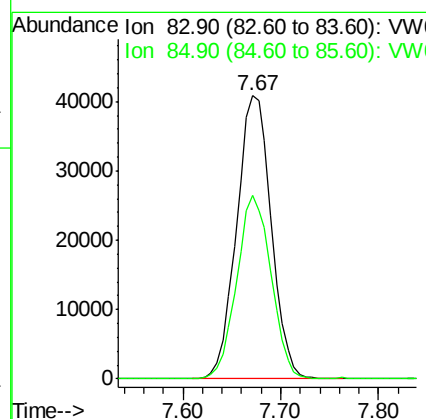
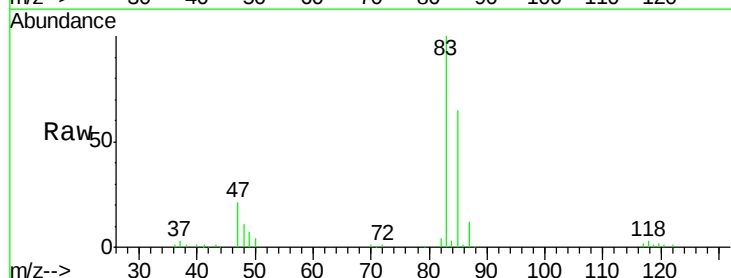
Manual Integrations
APPROVED

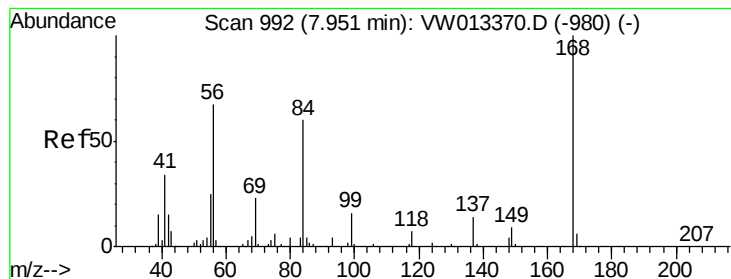
MMDadoda
10/4/2019 12:07:13 PM



#30
Chloroform
Concen: 20.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





#31

Cyclohexane

Concen: 20.610 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 56 Resp: 107537

Ion Ratio Lower Upper

56 100

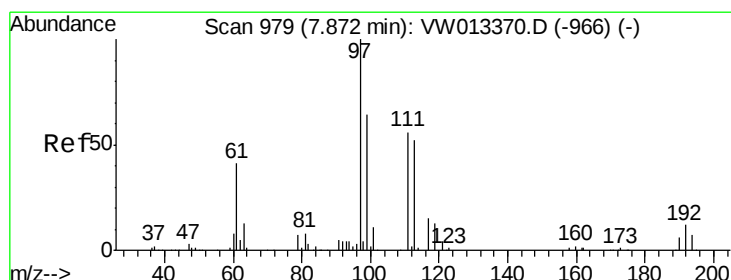
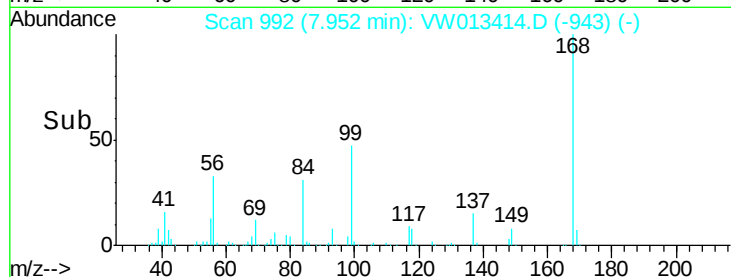
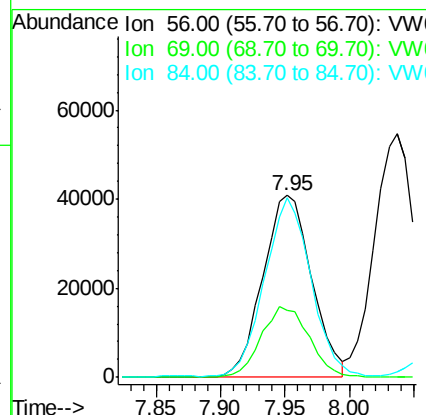
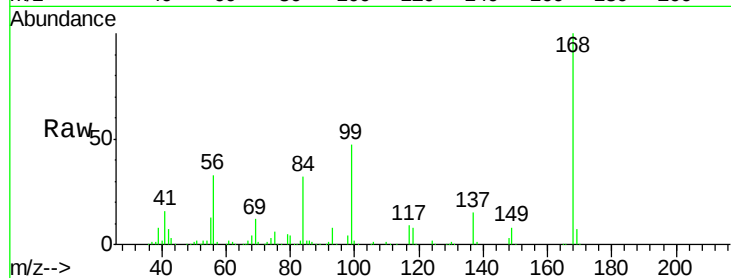
69 36.6 27.2 40.8

84 97.5 70.8 106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.945 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

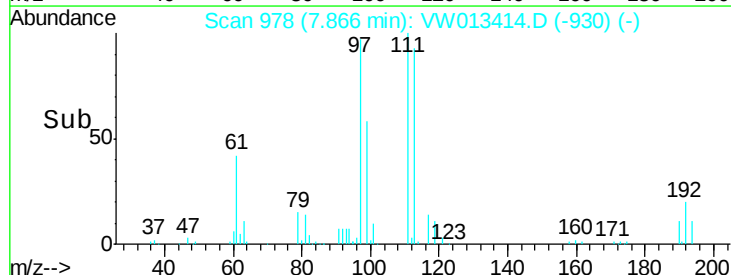
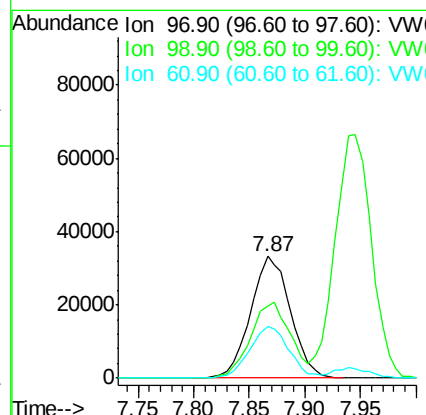
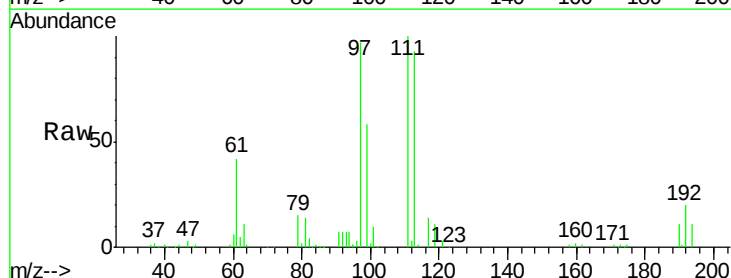
Tgt Ion: 97 Resp: 82480

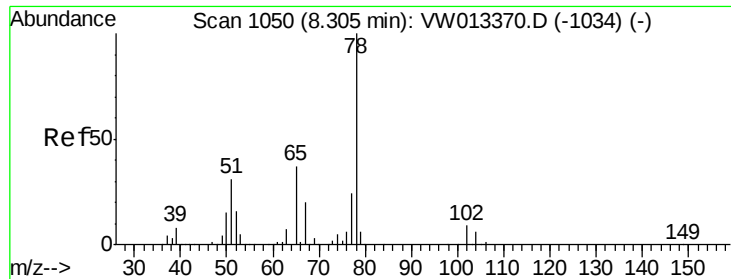
Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

61 42.1 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 54.955 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 65 Resp: 125334

Ion Ratio Lower Upper

65 100

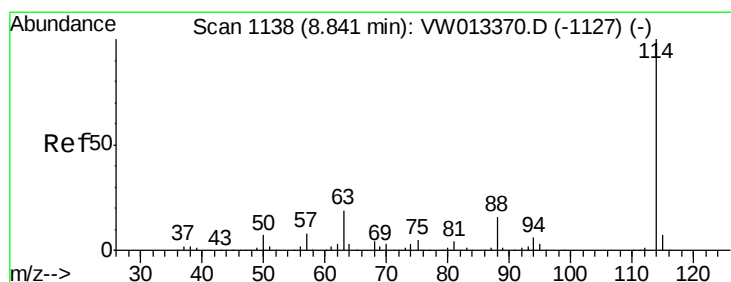
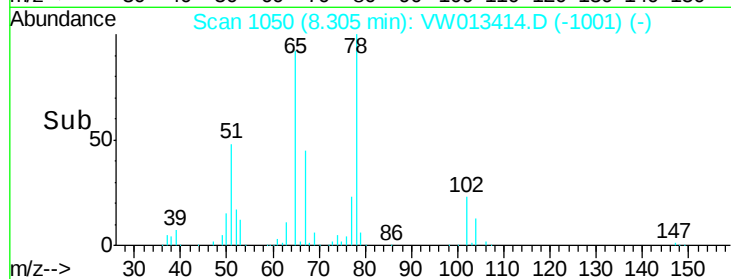
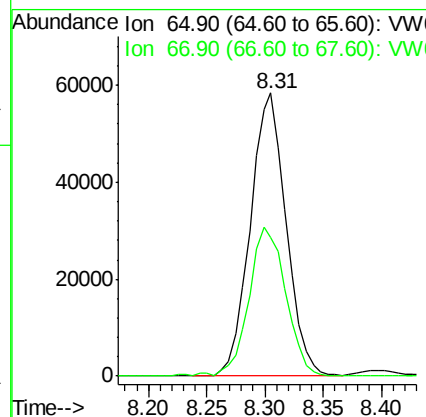
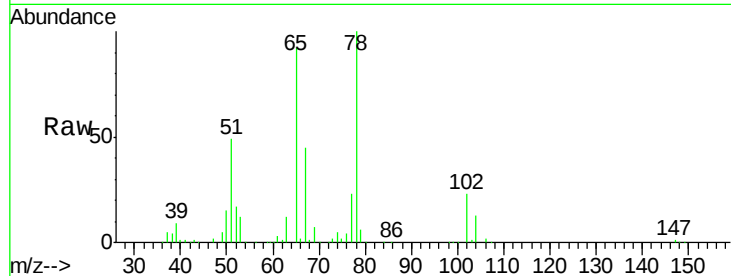
67 54.5 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

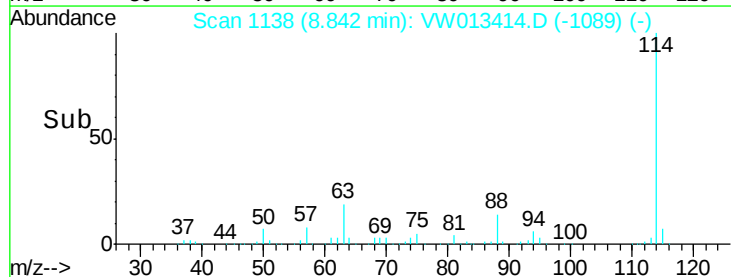
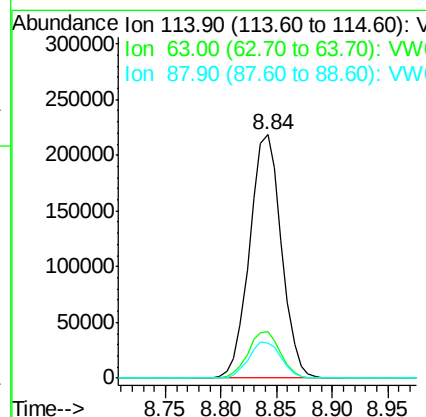
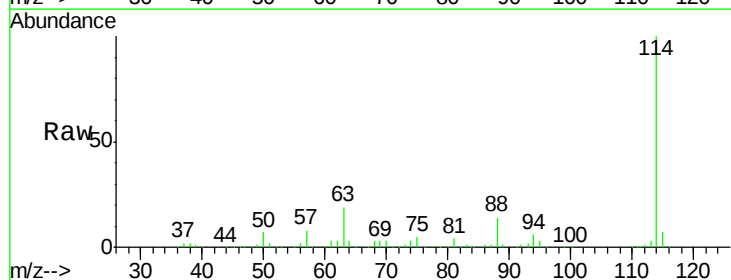
Tgt Ion: 114 Resp: 435179

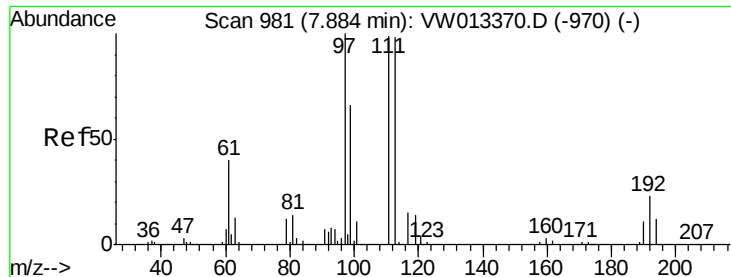
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

88 14.2 0.0 32.0





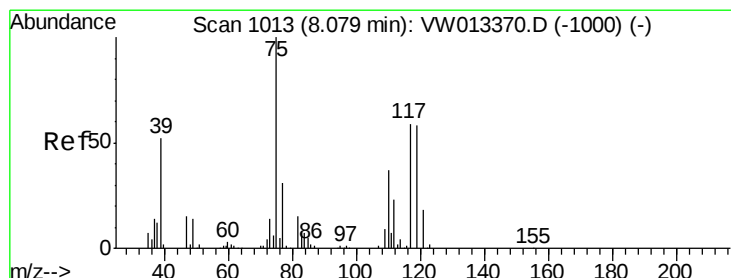
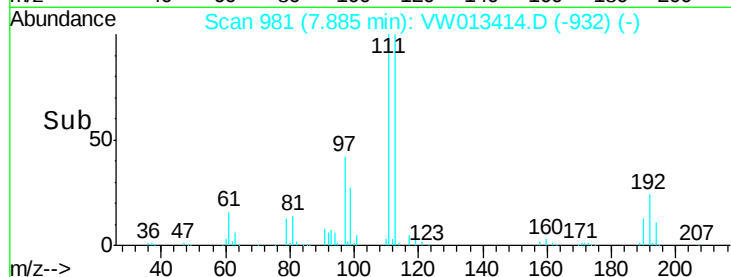
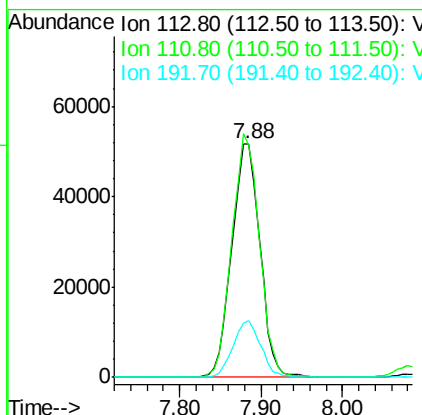
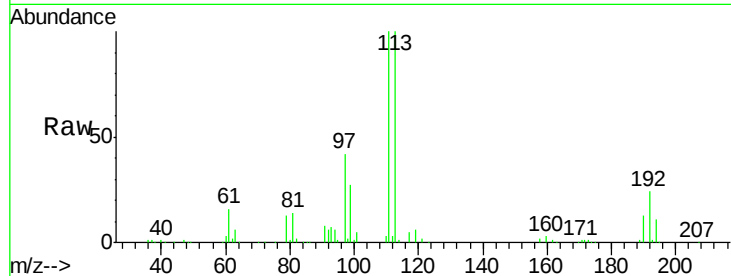
#35
 Dibromofluoromethane
 Concen: 53.818 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122893		
111	102.3	81.9	122.9	
192	23.8	19.1	28.7	

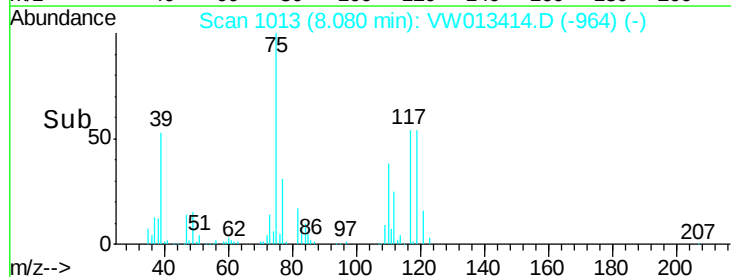
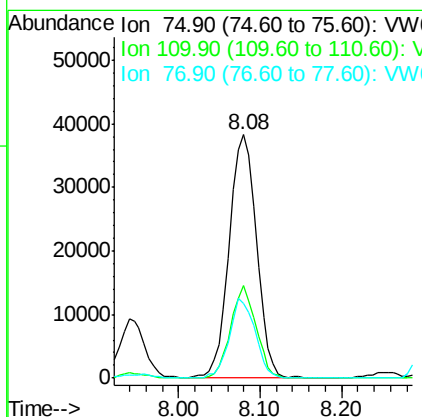
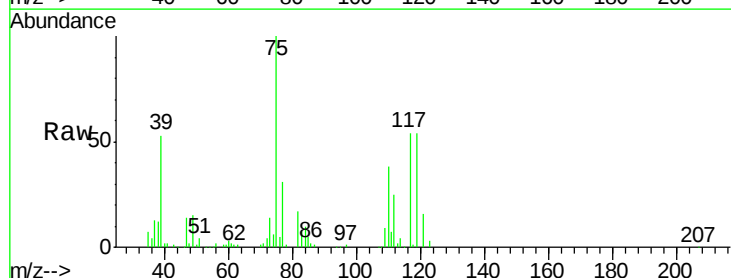
Manual Integrations
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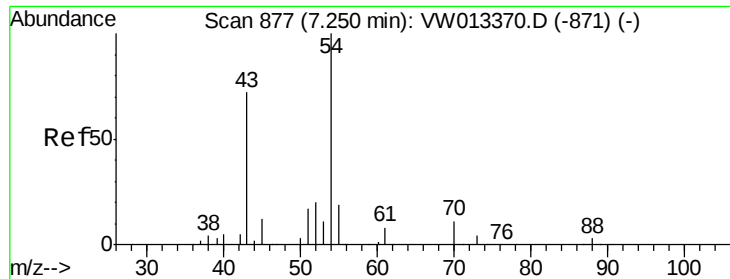
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#36
 1,1-Dichloropropene
 Concen: 21.846 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88300		
110	35.2	18.1	54.3	
77	30.8	25.8	38.6	





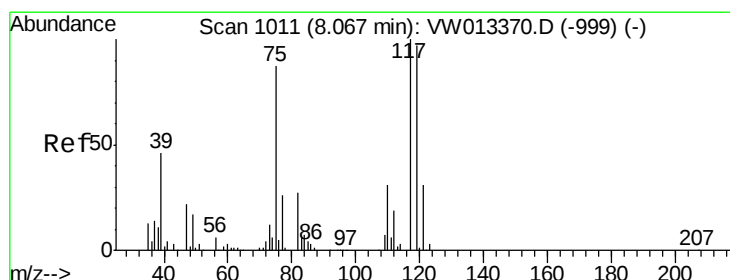
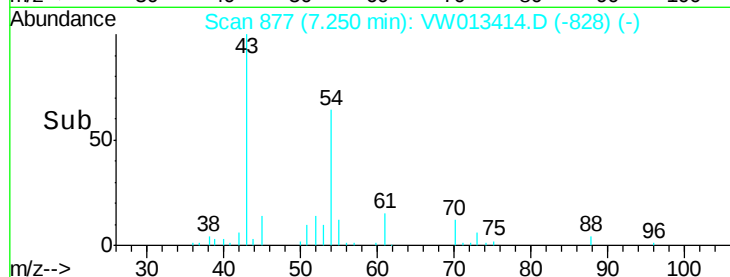
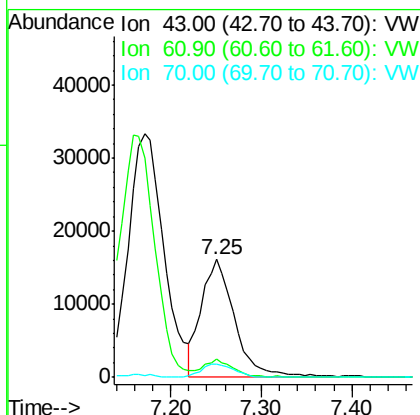
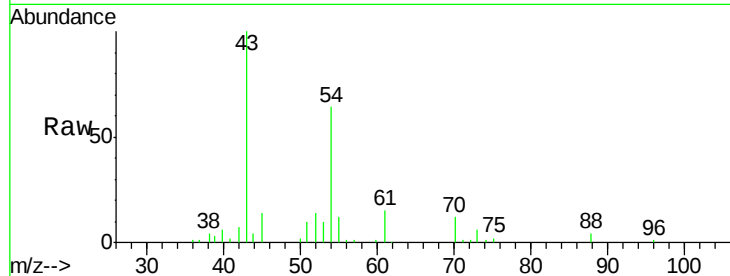
#37
Ethyl Acetate
Concen: 22.998 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	11.5	8.2	12.2

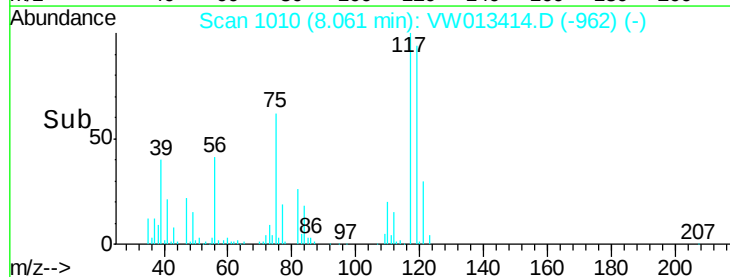
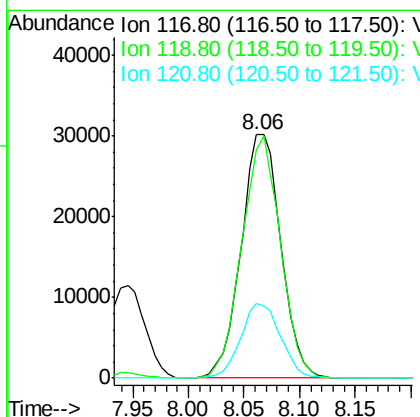
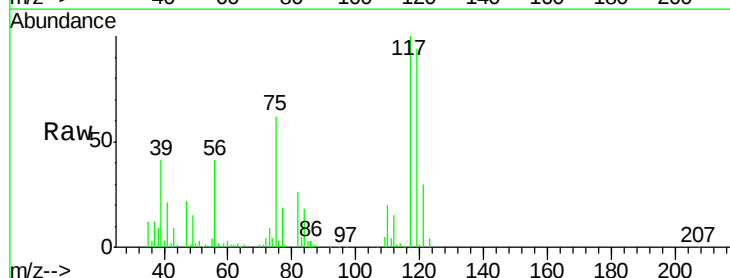
Manual Integrations
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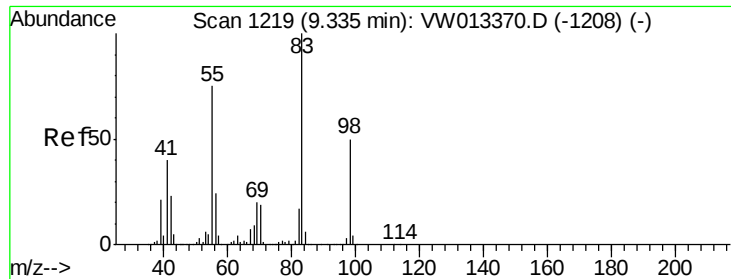
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#38
Carbon Tetrachloride
Concen: 21.478 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.5	110.3
121	30.4	25.0	37.6





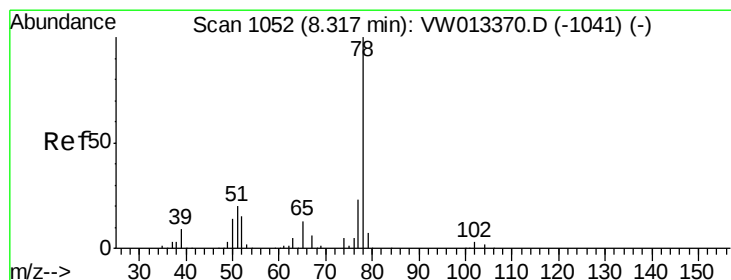
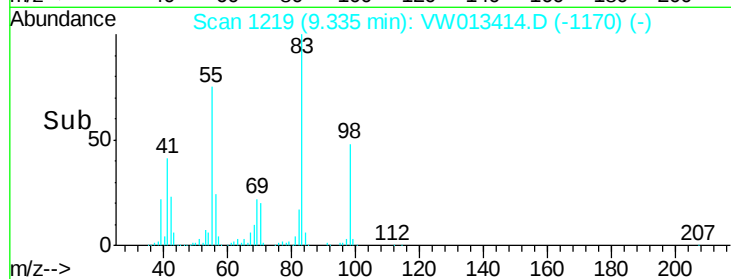
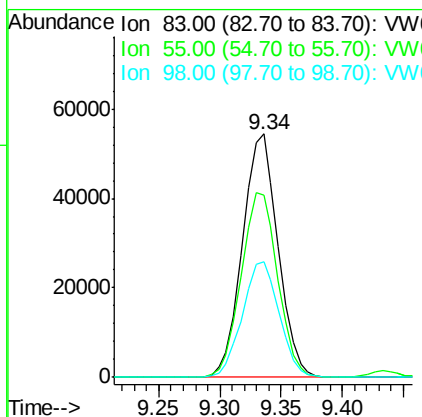
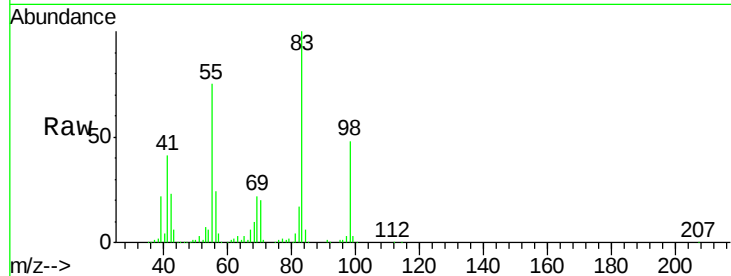
#39
Methvlcvclohexane
Concen: 20.686 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	110116		
55	74.9	60.4	90.6	
98	47.5	40.0	60.0	

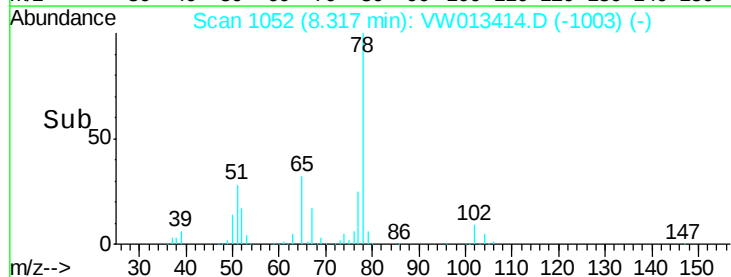
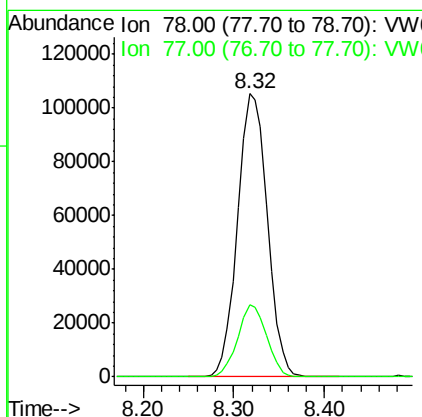
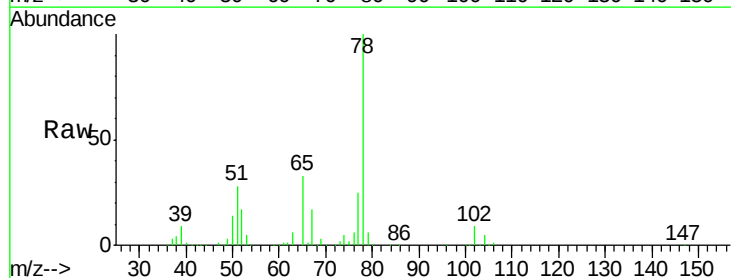
Manual Integrations
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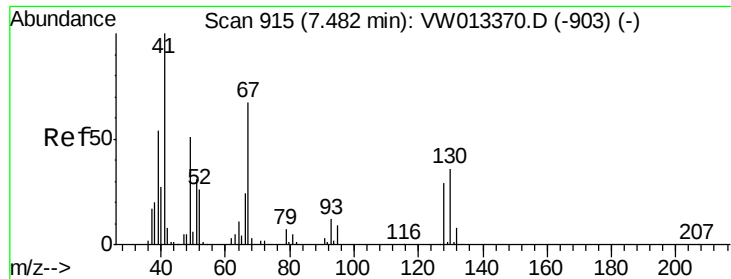
MMDadoda
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#40
Benzene
Concen: 21.012 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	240422		
77	25.3	19.1	28.7	





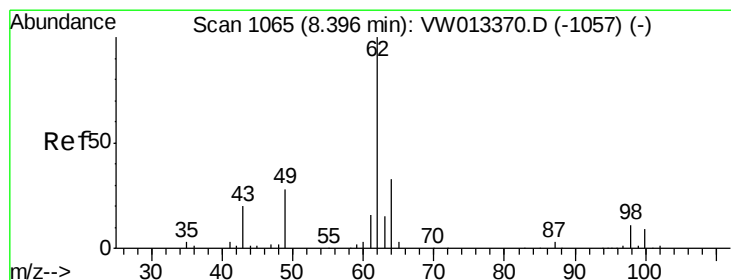
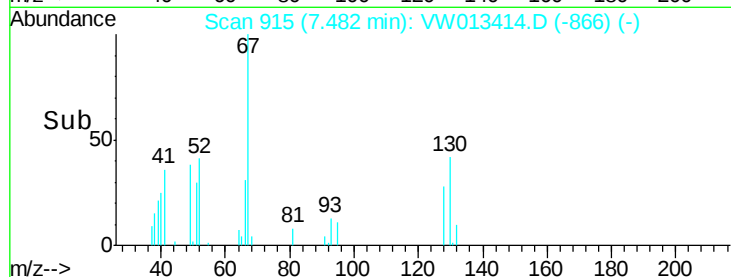
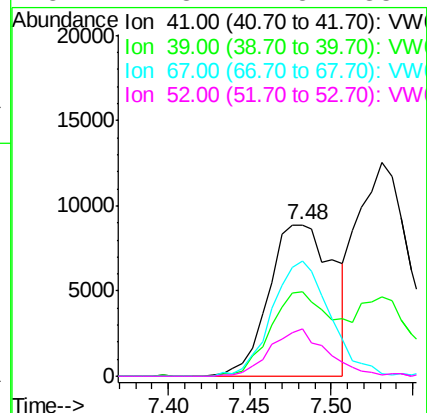
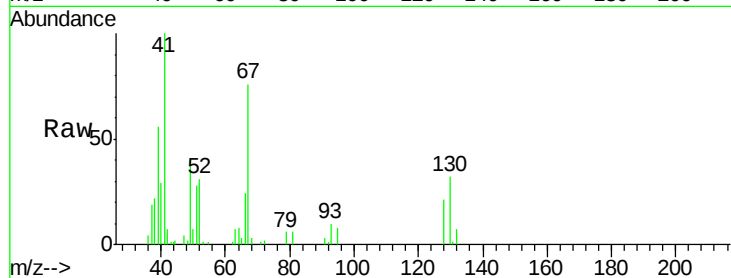
#41
Methacrylonitrile
Concen: 22.855 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		24583		
39	57.6	45.9	68.9		
67	67.8	54.5	81.7		
52	27.8	22.5	33.7		

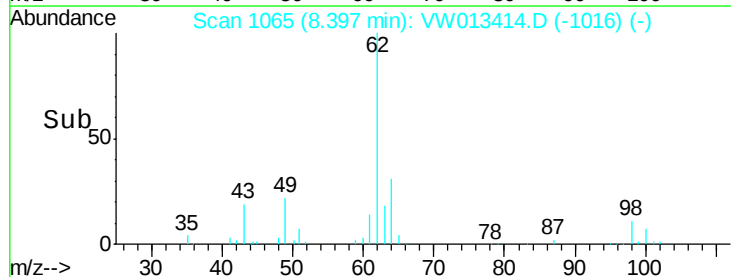
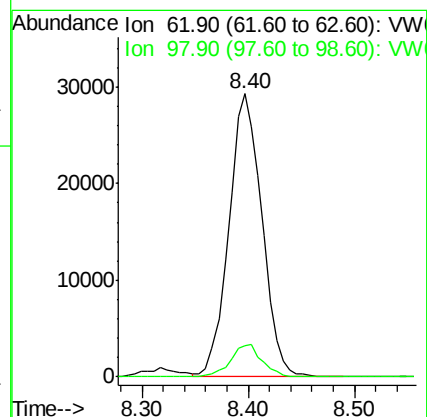
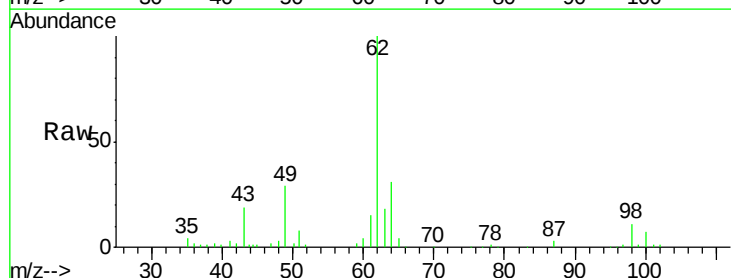
Manual Integrations
APPROVED

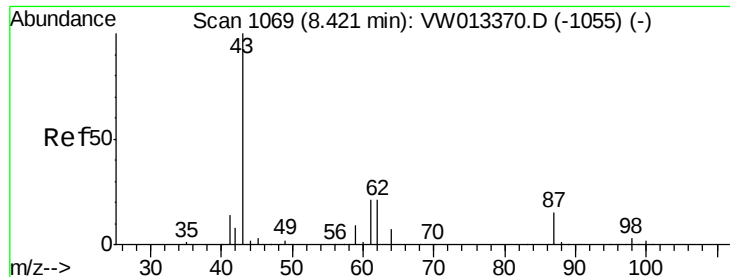
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.614 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63562		
98	11.0	0.0	20.6		





#43

Isopropyl Acetate

Concen: 21.322 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

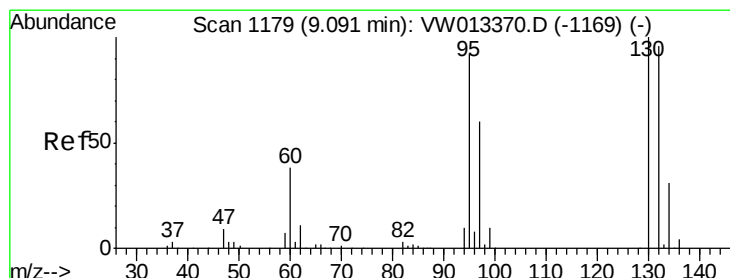
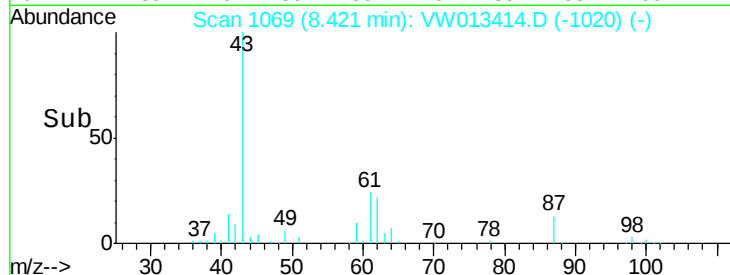
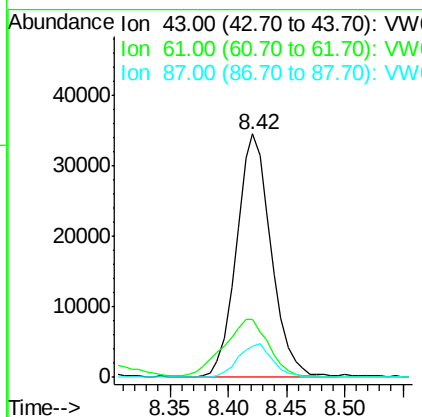
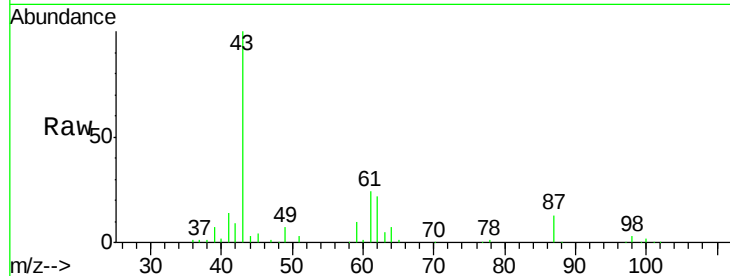
ClientSampleId :

VW1003SBS01

Tot Ion:	43	Resp:	71589
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.5	38.3
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 21.250 ug/l

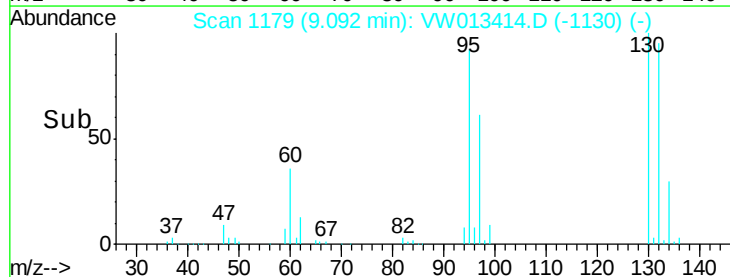
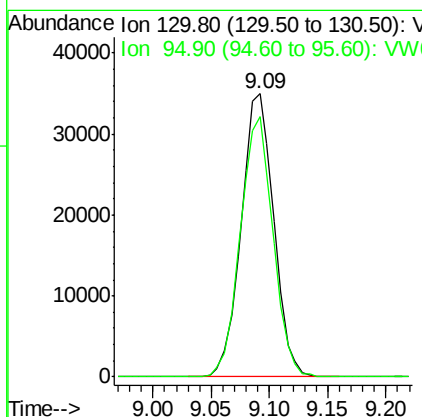
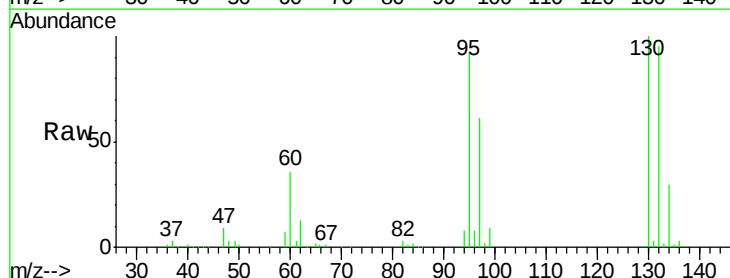
RT: 9.09 min Scan# 1179

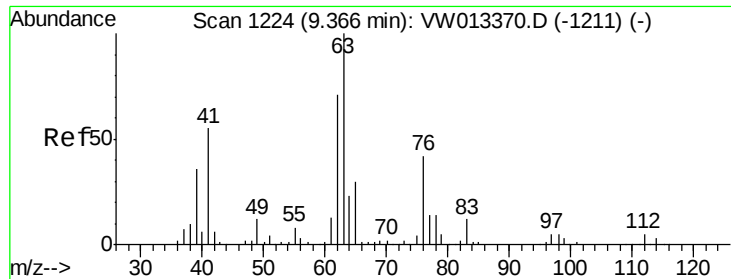
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	130	Resp:	68468
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.745 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 63 Resp: 56991

Ion Ratio Lower Upper

63 100

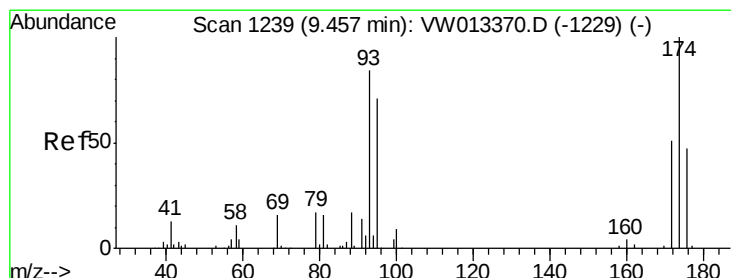
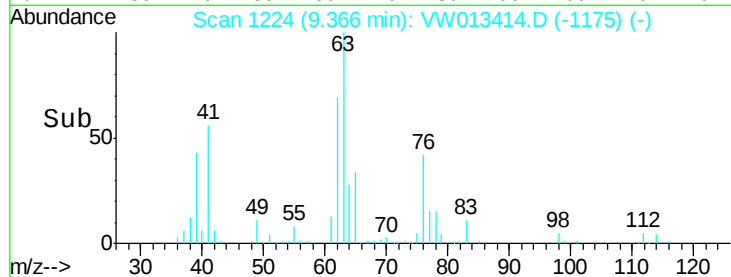
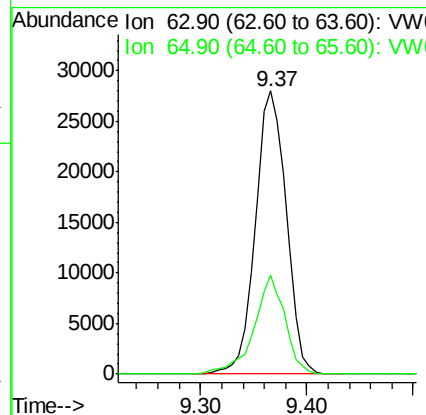
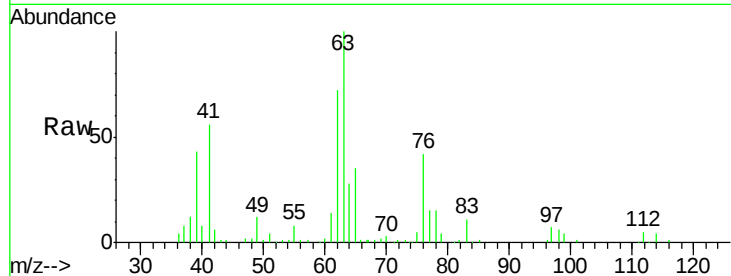
65 35.2 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 21.719 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

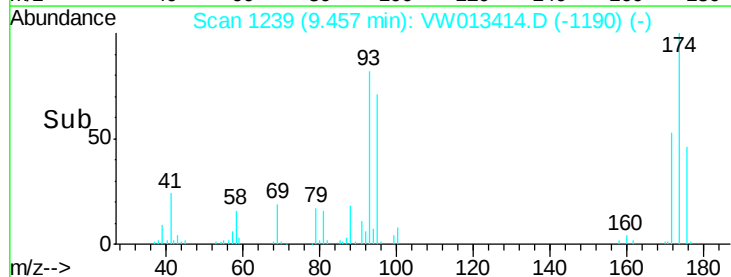
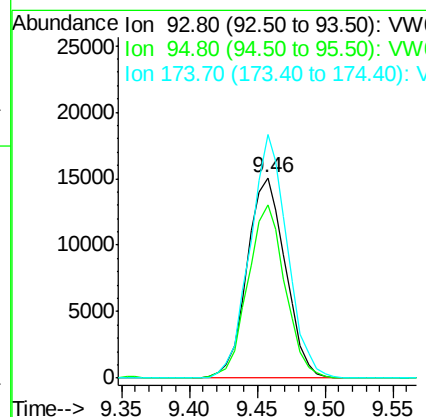
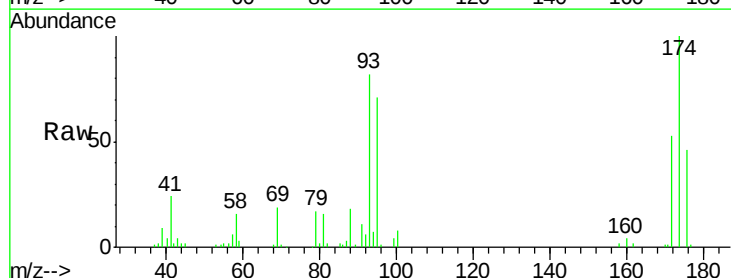
Tgt Ion: 93 Resp: 29719

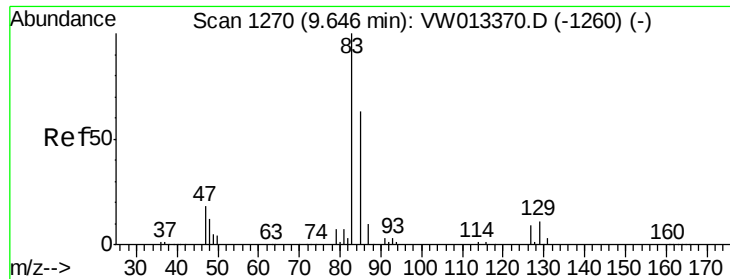
Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

174 118.2 93.0 139.6





#47

Bromodichloromethane

Concen: 20.549 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

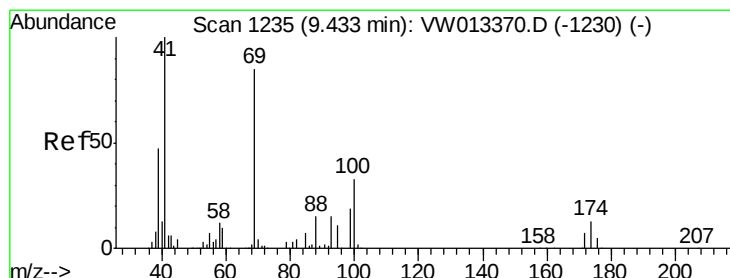
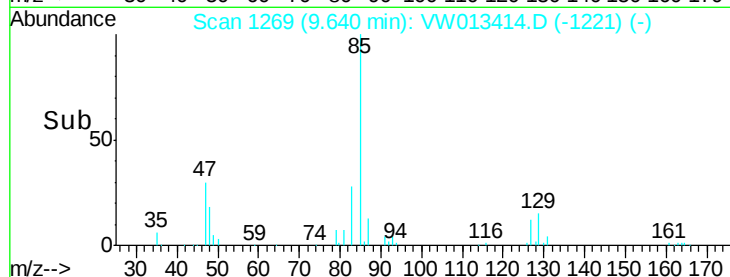
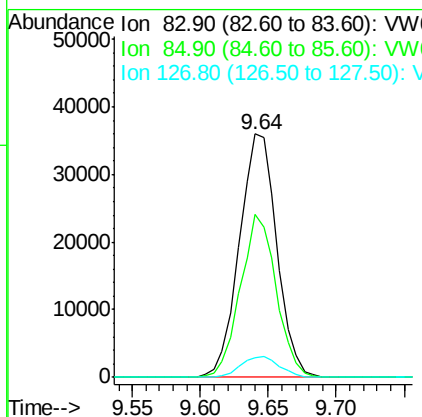
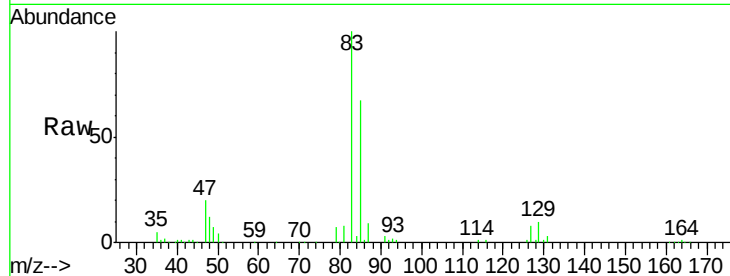
ClientSampleId :

VW1003SBS01

Tot Ion:	83	Resp:	69219
Ion Ratio	Lower	Upper	
83	100		
85	66.8	49.4	74.2
127	8.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.776 ug/l

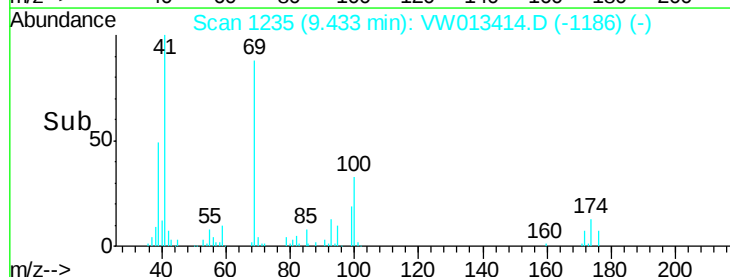
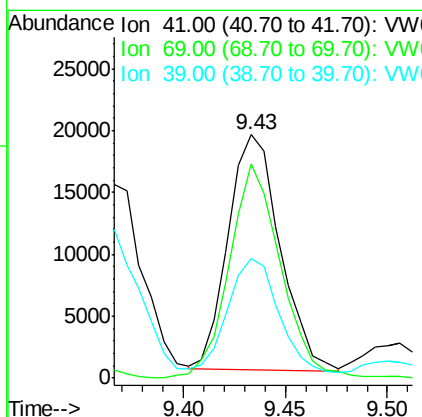
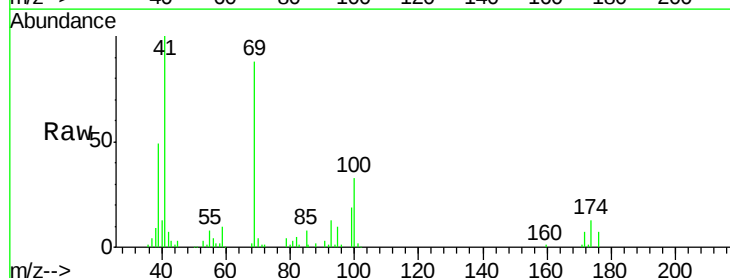
RT: 9.43 min Scan# 1235

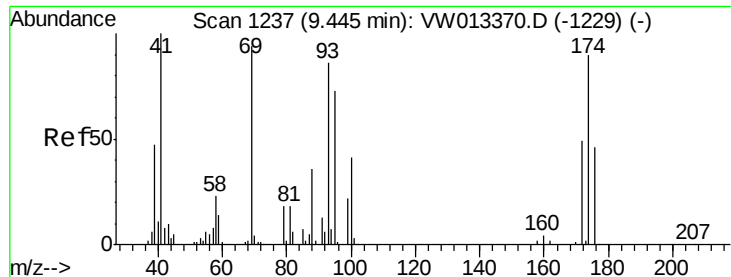
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	41	Resp:	33517
Ion Ratio	Lower	Upper	
41	100		
69	90.4	69.7	104.5
39	52.8	41.1	61.7





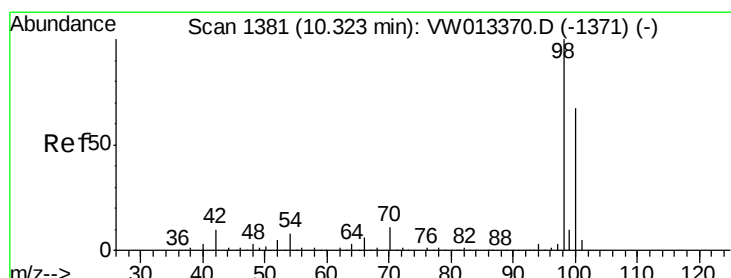
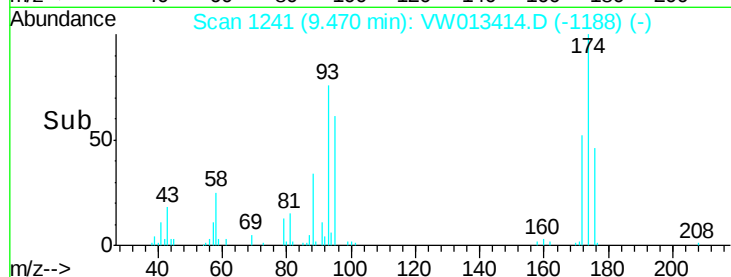
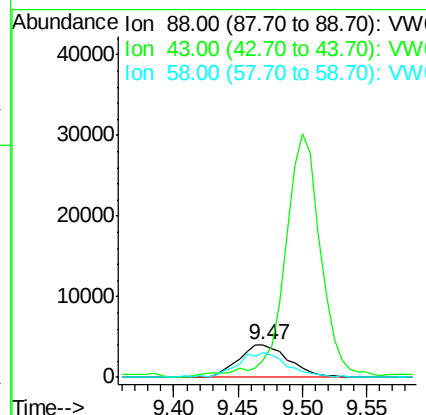
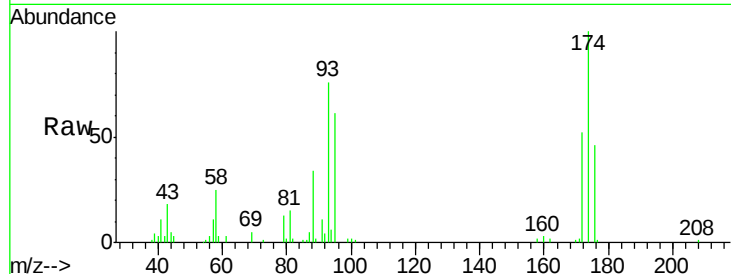
#49
1,4-Dioxane
Concen: 504.602 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	10866		
43	0.0	0.0	0.0	0.0
58	77.7	65.4	98.0	

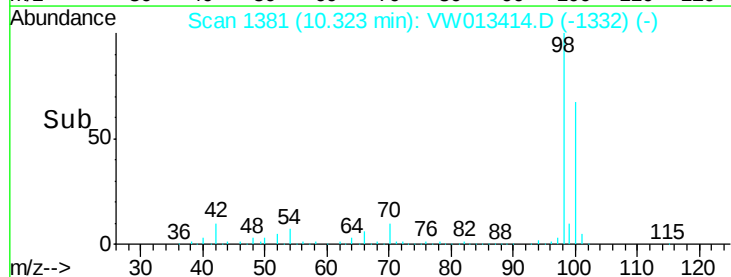
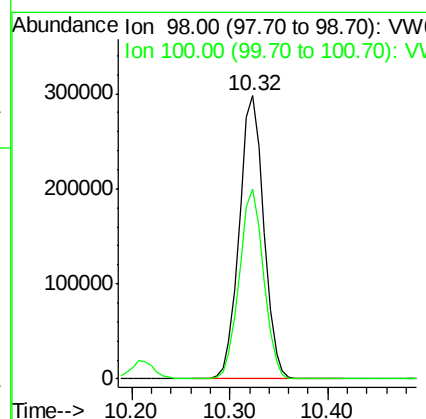
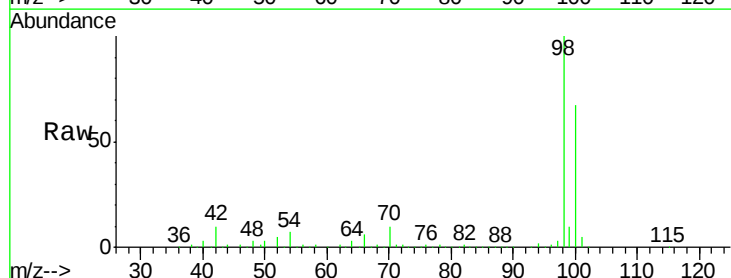
Manual Integrations
APPROVED

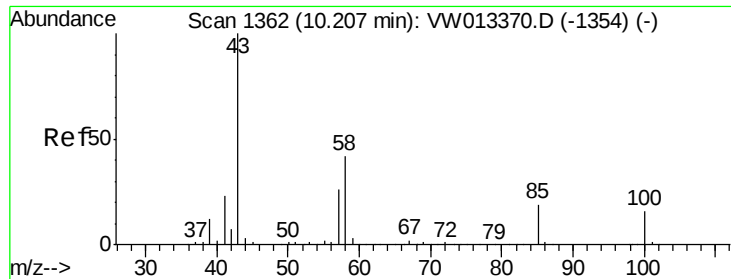
MMDadoda
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#50
Toluene-d8
Concen: 54.497 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	516413		
100	66.6	52.9	79.3	





#51

4-Methyl-2-Pentanone

Concen: 109.044 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

VW1003SBS01

Tot Ion: 43 Resp: 192354

Ion Ratio Lower Upper

43 100

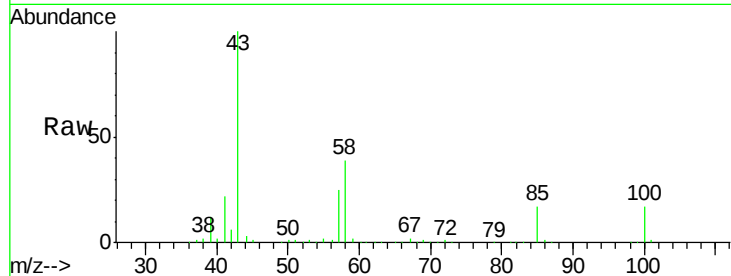
58 39.6 31.7 47.5

Manual Integrations

APPROVED

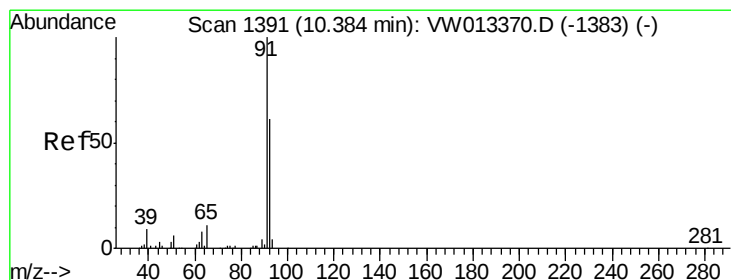
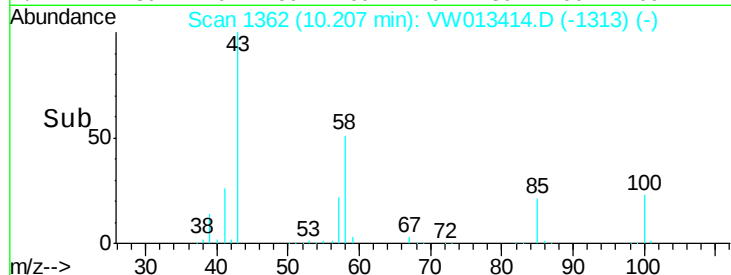
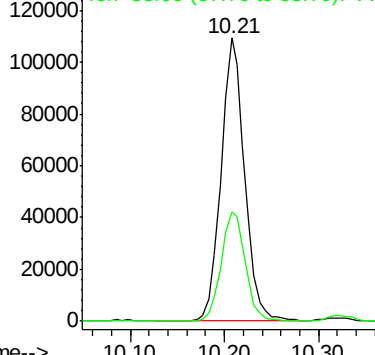
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.870 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013414.D

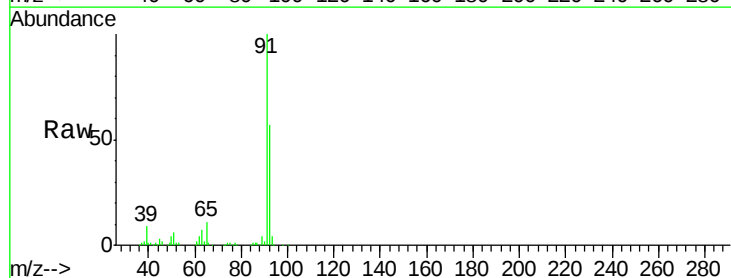
Acq: 03 Oct 2019 13:09

Tgt Ion: 92 Resp: 154019

Ion Ratio Lower Upper

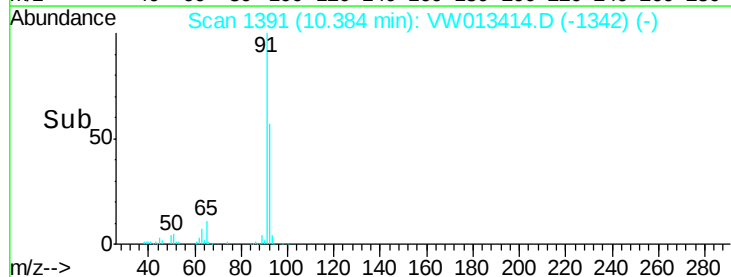
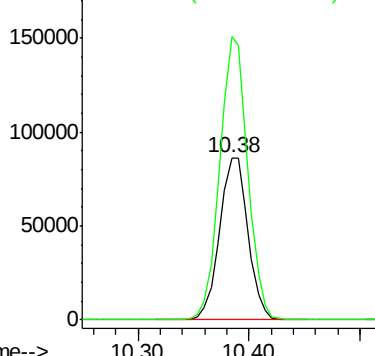
92 100

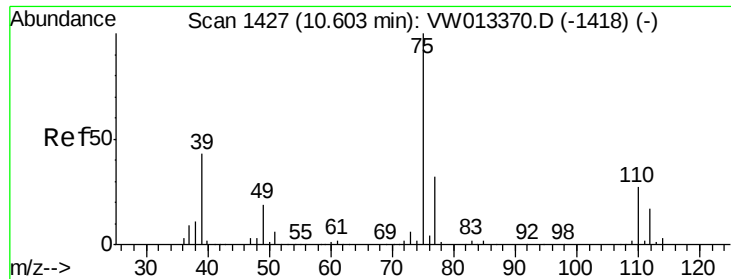
91 171.1 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





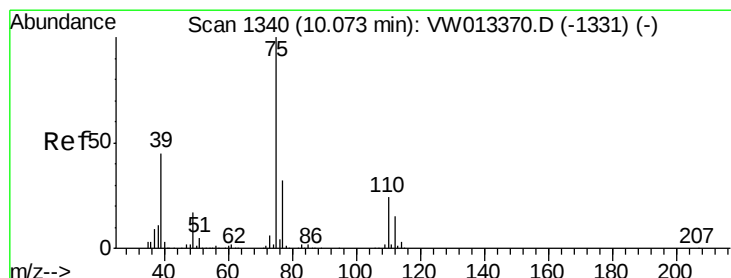
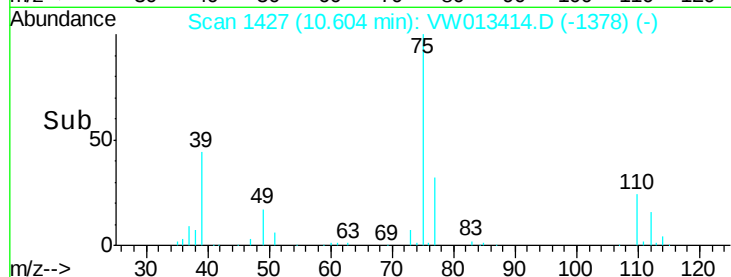
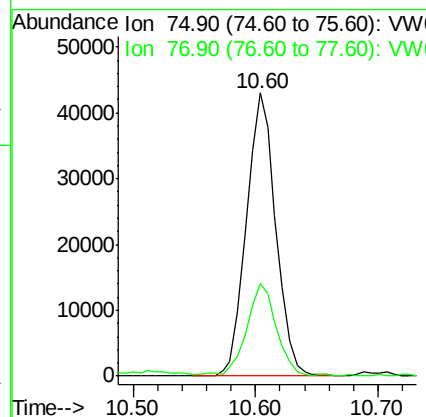
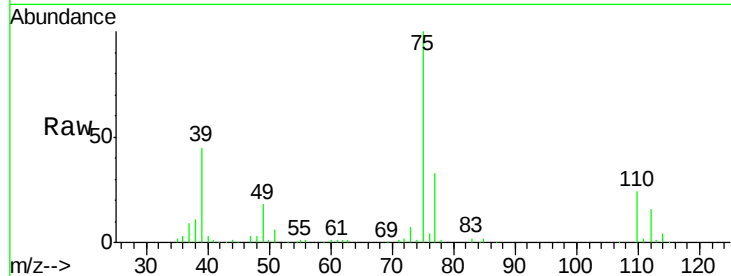
#53
t-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

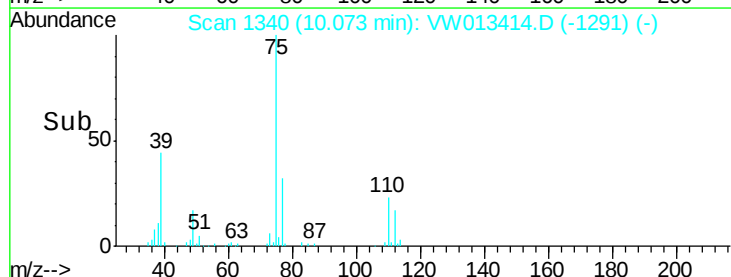
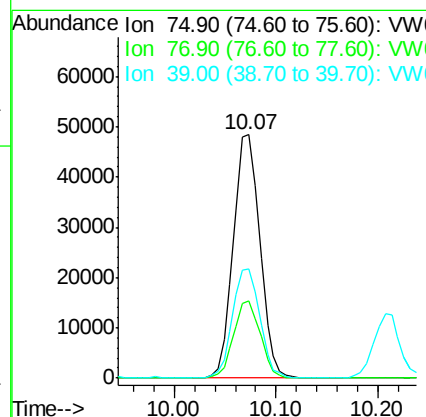
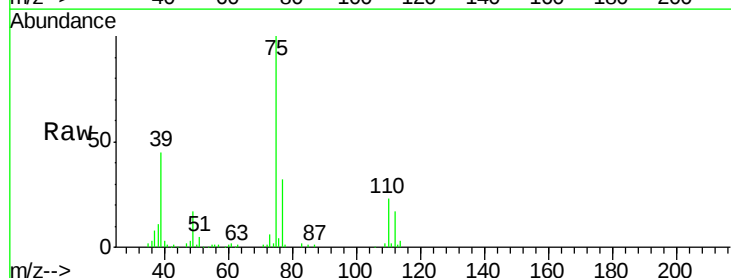
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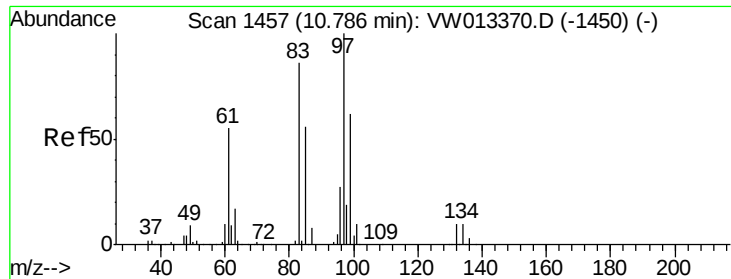
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#54
cis-1,3-Dichloropropene
Concen: 20.513 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	44.7	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 21.081 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

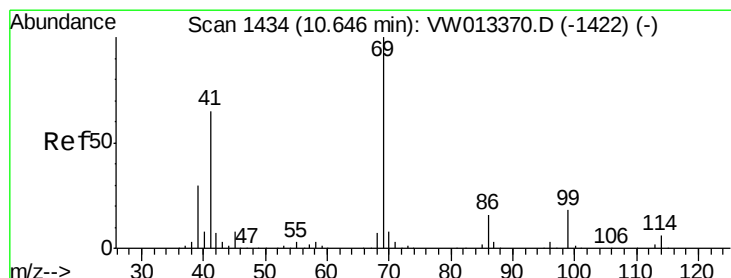
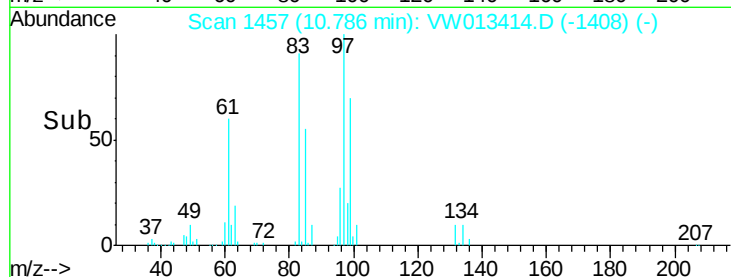
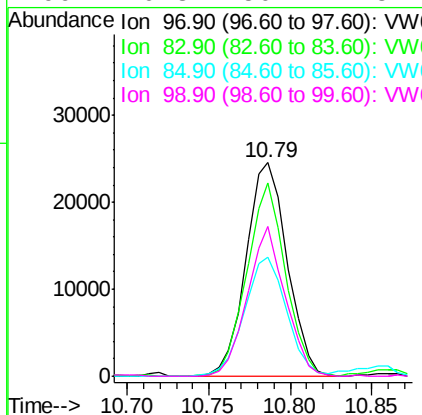
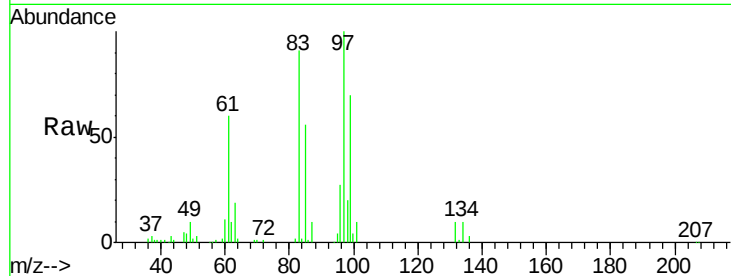
ClientSampleId :

VW1003SBS01

Tot Ion:	97	Resp:	43031
Ion	Ratio	Lower	Upper
97	100		
83	90.6	67.6	101.4
85	55.8	41.9	62.9
99	70.3	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.677 ug/l

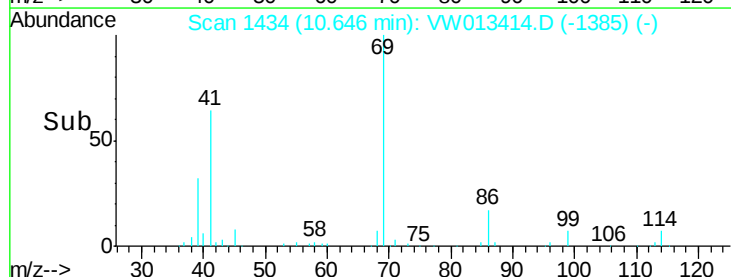
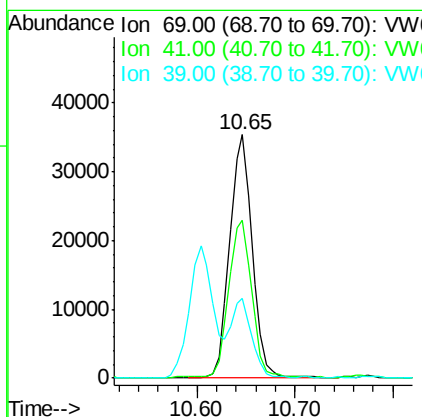
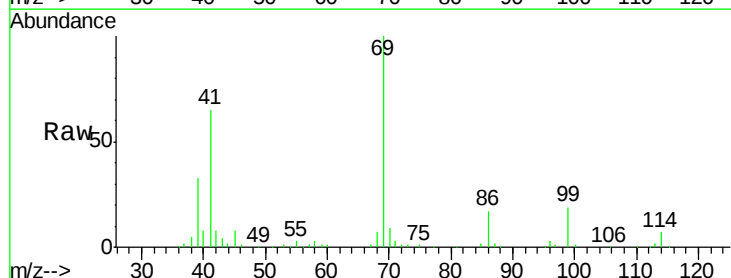
RT: 10.65 min Scan# 1434

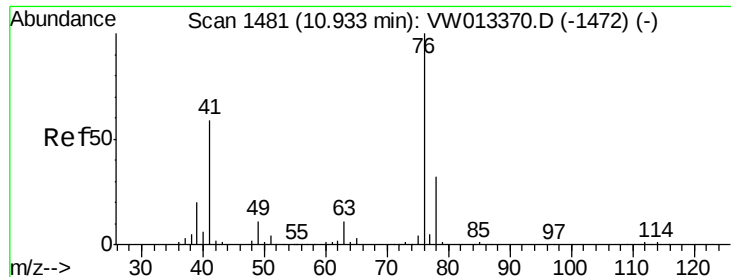
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	69	Resp:	56810
Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.9	80.9
39	29.5	23.8	35.6





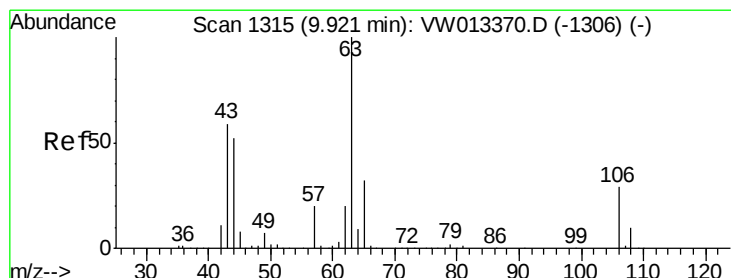
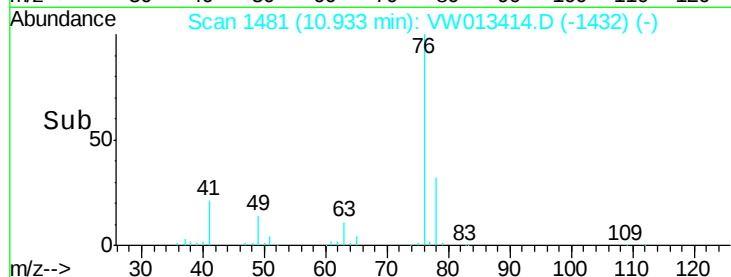
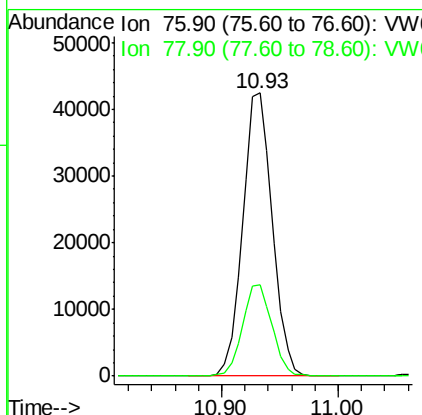
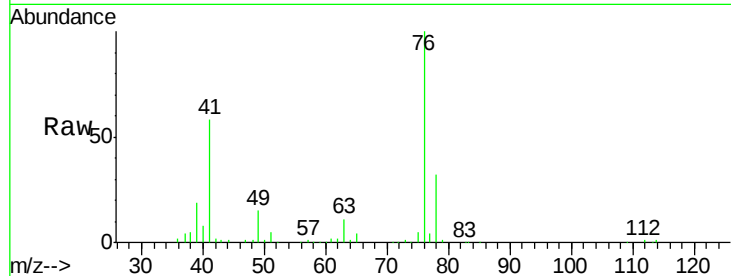
#57
 1,3-Dichloropropane
 Concen: 21.164 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tot Ion: 76 Resp: 75104
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

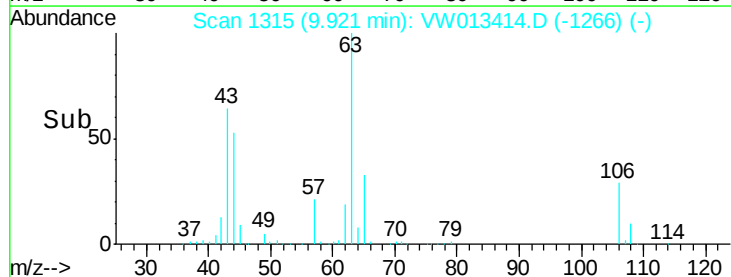
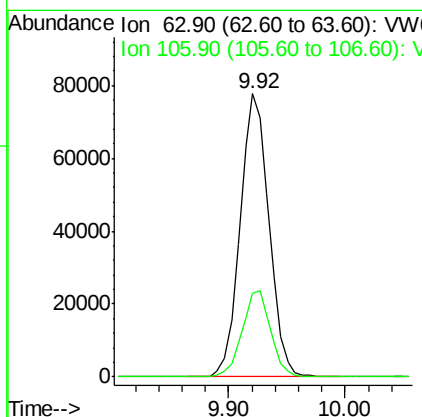
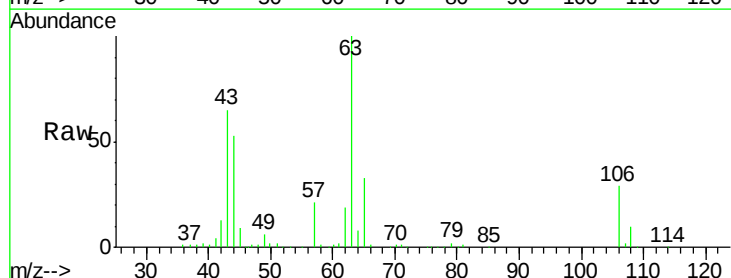
Manual Integrations
 APPROVED

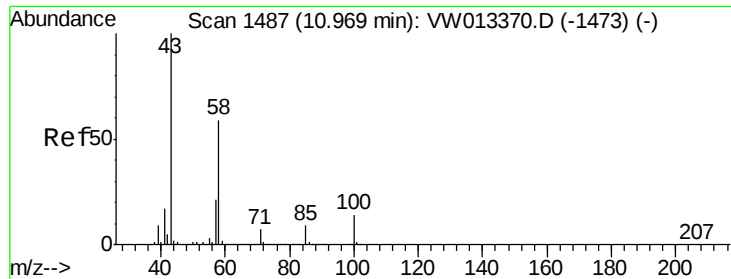
MMDadoda
 10/4/2019 12:07:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.784 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 63 Resp: 134063
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





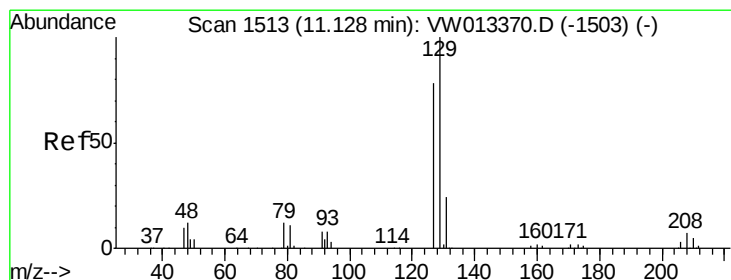
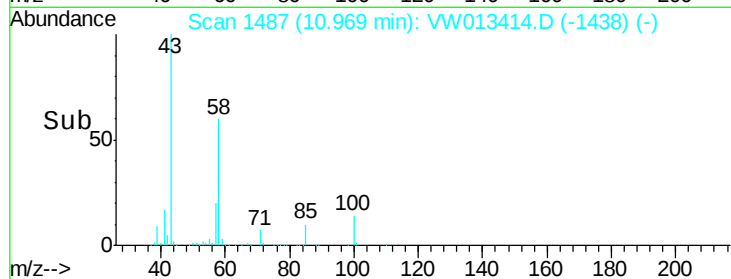
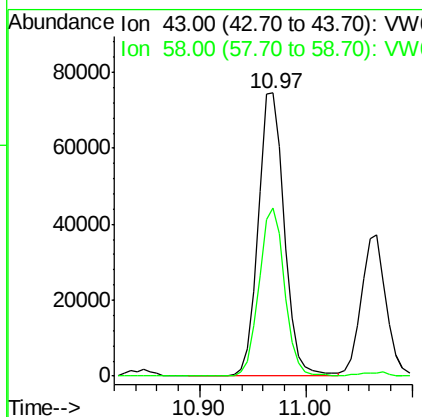
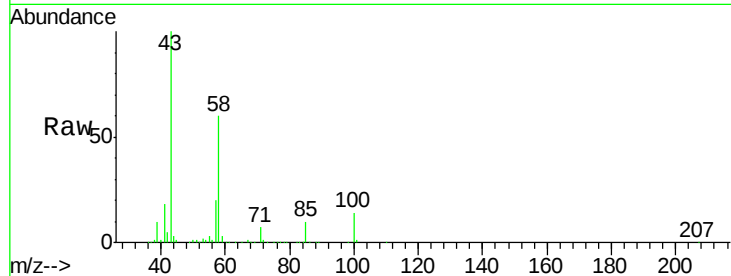
#59
2-Hexanone
Concen: 105.142 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	28.1	84.2

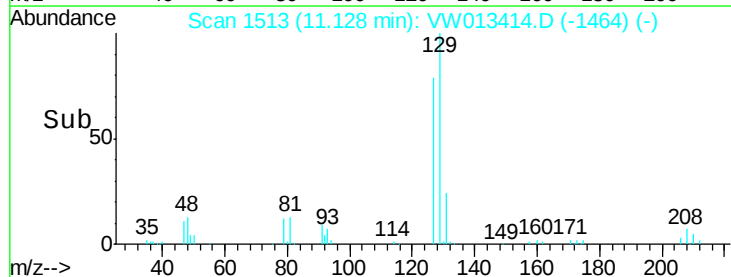
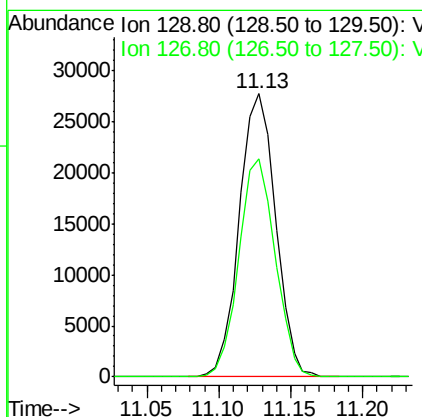
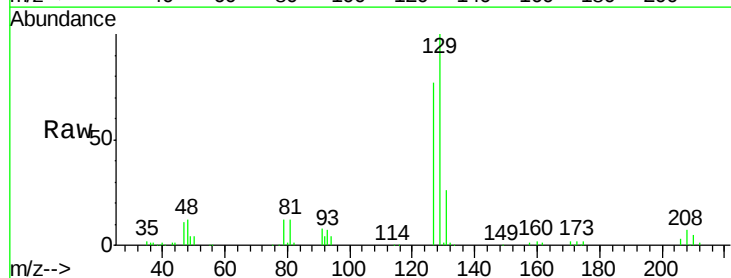
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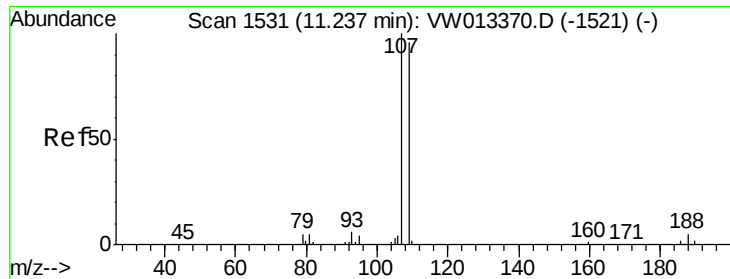
MMDadoda
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#60
Dibromochloromethane
Concen: 20.845 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.8	116.4





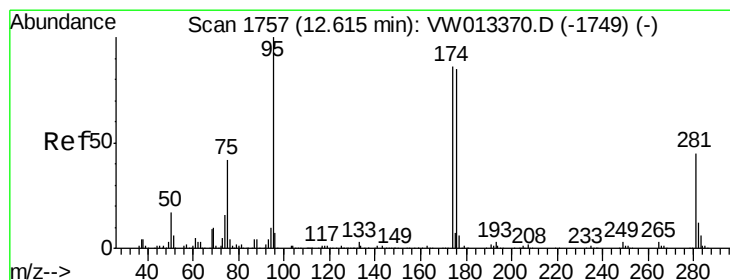
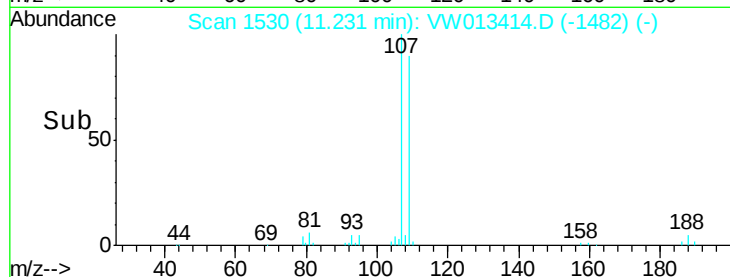
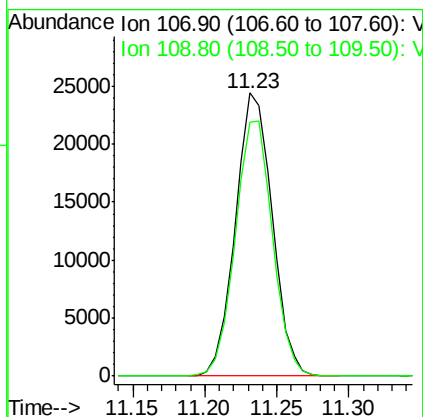
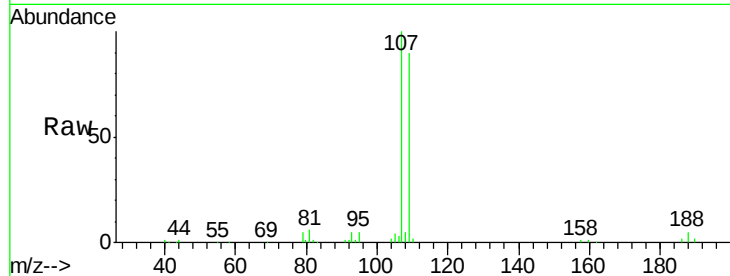
#61
1,2-Dibromoethane
Concen: 22.012 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.2	112.8

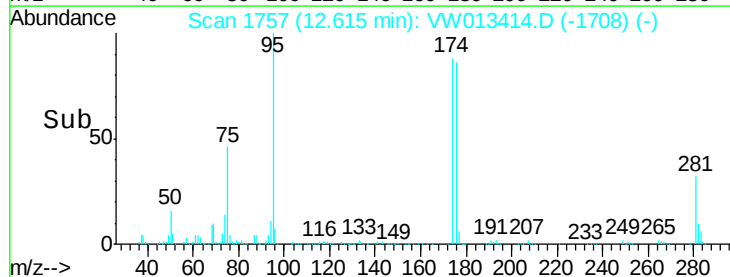
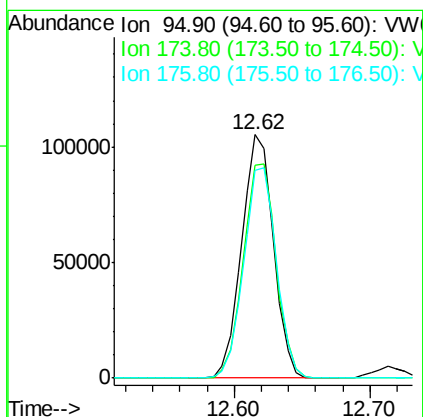
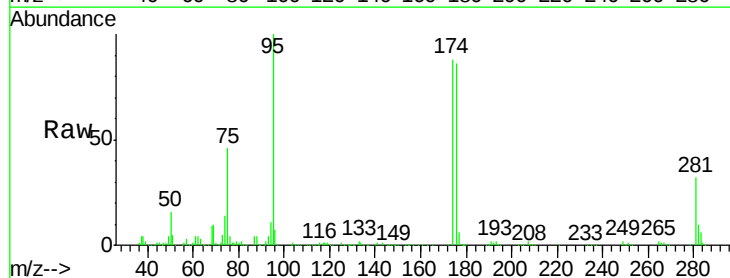
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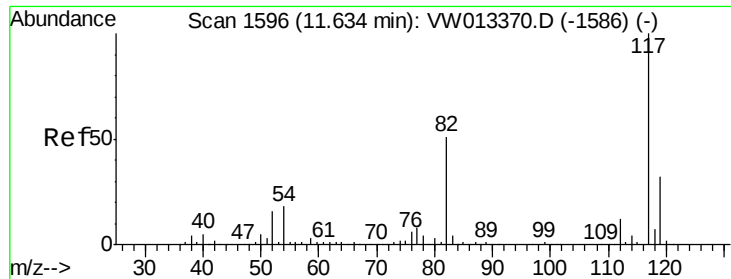
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#62
4-Bromofluorobenzene
Concen: 54.418 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	178.4
176	89.0	0.0	172.2





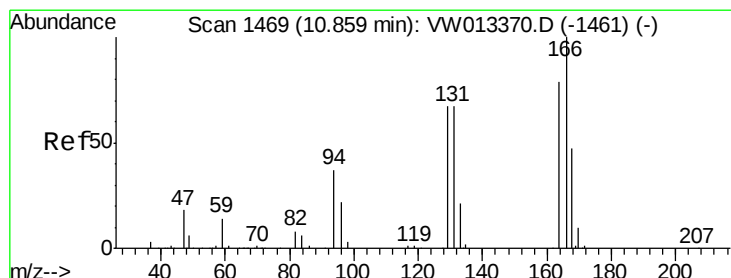
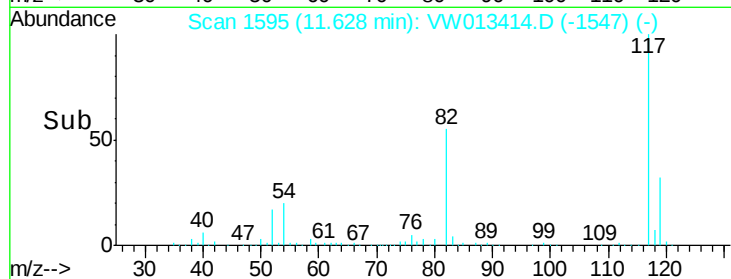
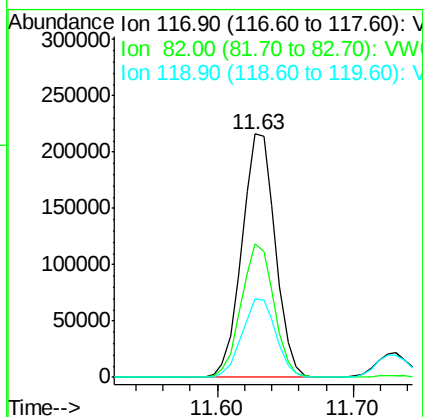
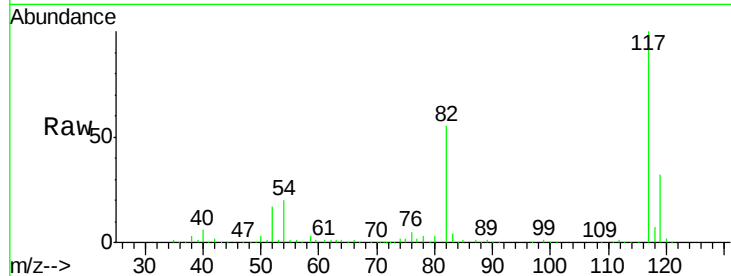
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370701		
82	55.0	45.9	68.9	
119	32.0	26.2	39.2	

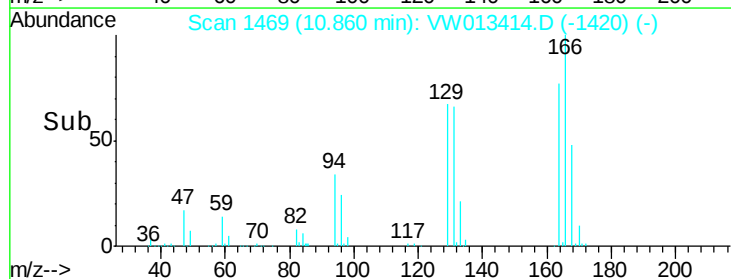
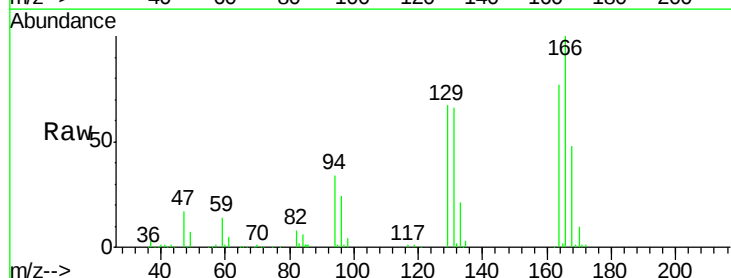
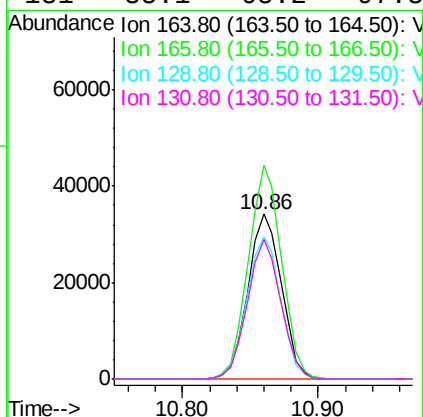
Manual Integrations
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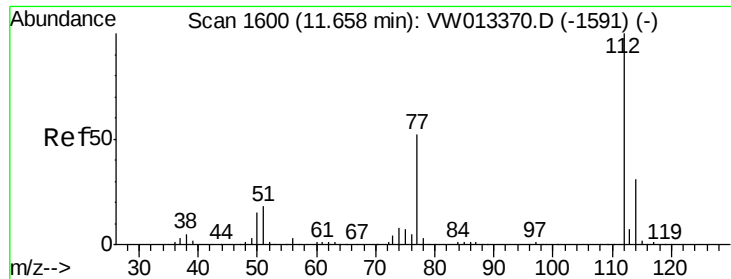
MMDadoda
10/4/2019 12:07:13 PM



#64
Tetrachloroethene
Concen: 20.974 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59153		
166	129.8	101.2	151.8	
129	86.6	68.8	103.2	
131	85.1	65.2	97.8	





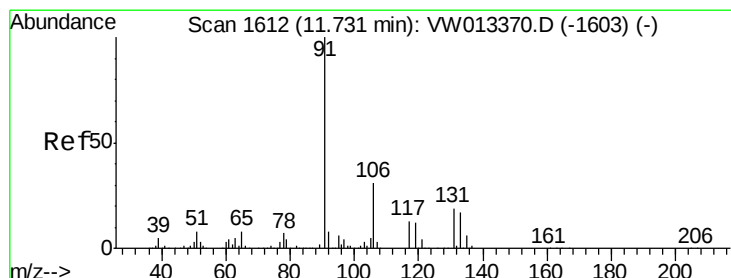
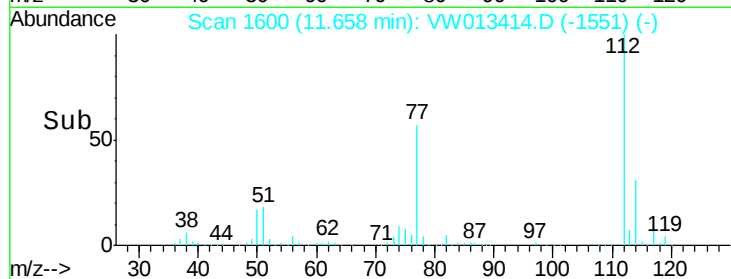
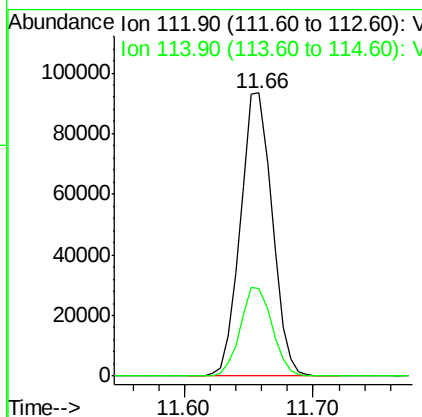
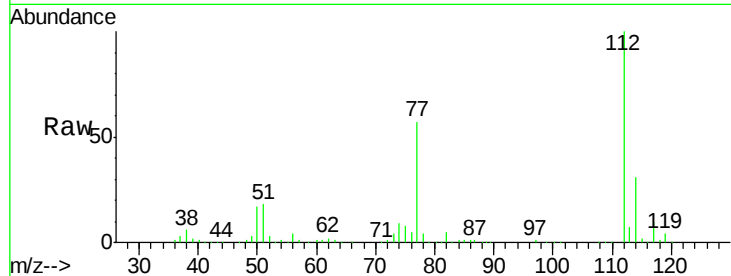
#65
Chlorobenzene
Concen: 20.991 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion:112 Resp: 159416
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7

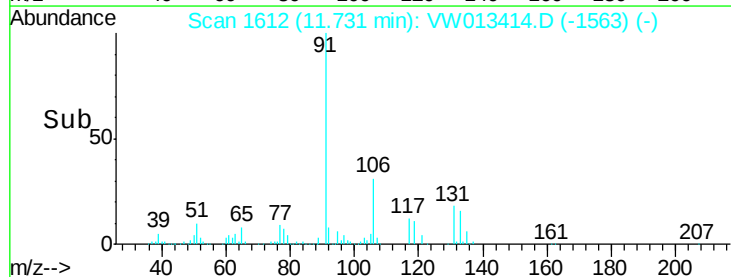
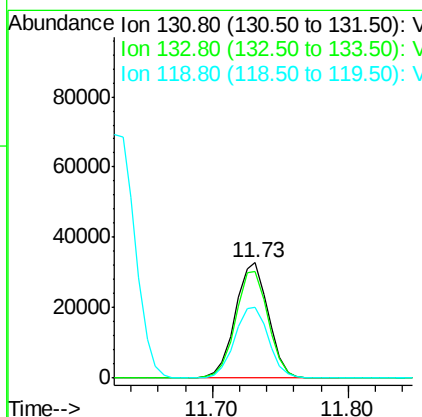
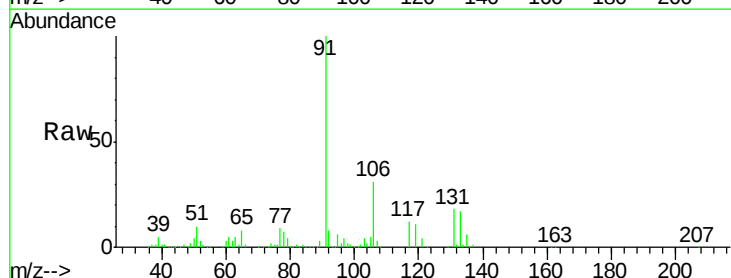
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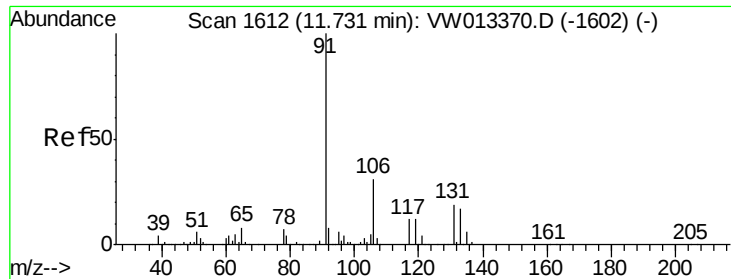
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.343 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion:131 Resp: 55206
Ion Ratio Lower Upper
131 100
133 92.4 47.5 142.6
119 63.5 32.5 97.5





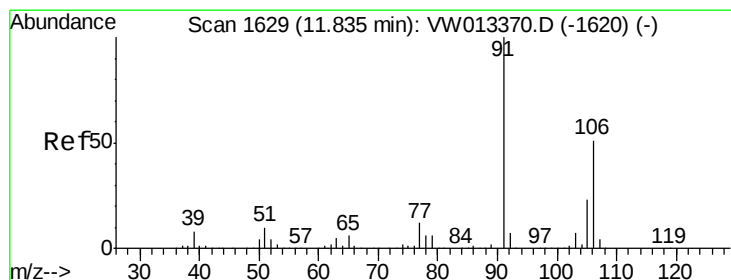
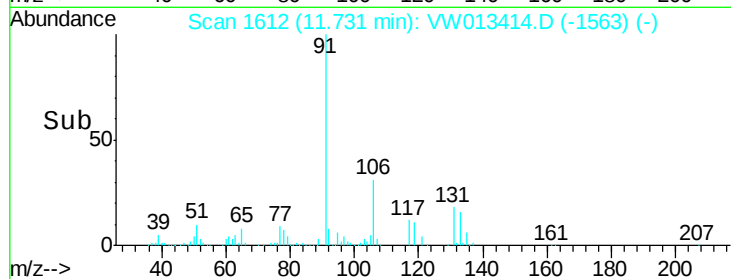
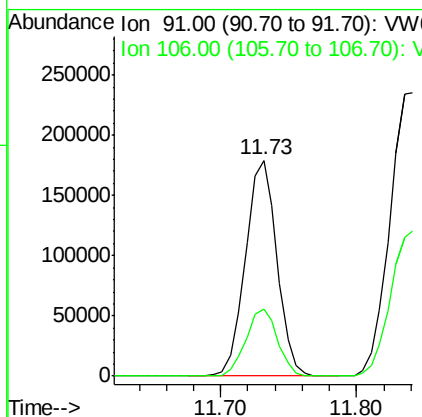
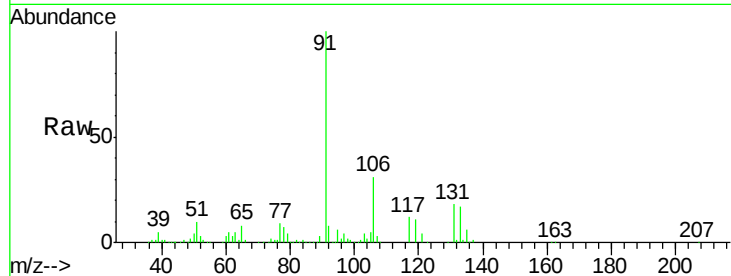
#67
Ethyl Benzene
Concen: 21.296 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion: 91 Resp: 289872
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

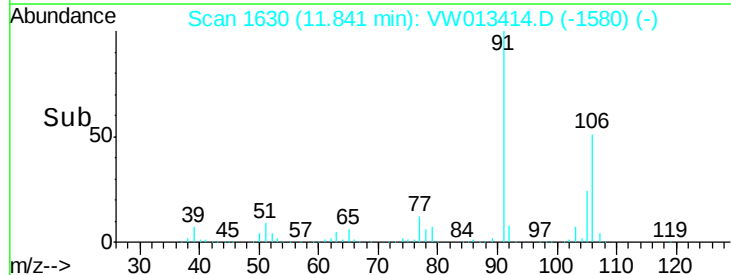
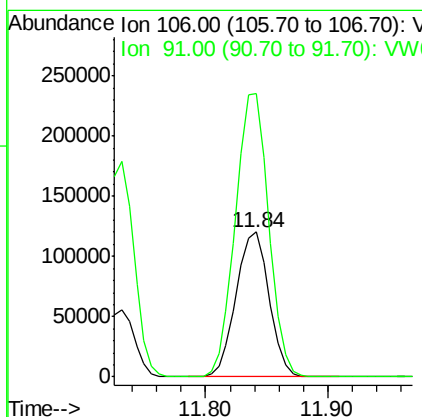
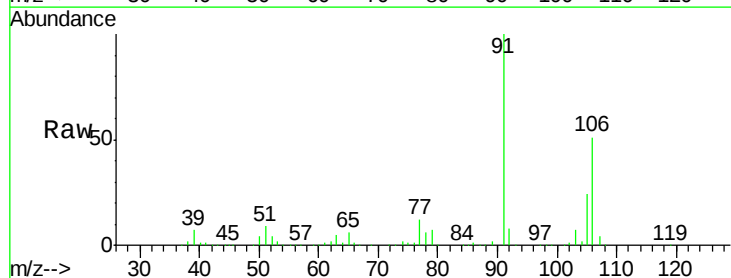
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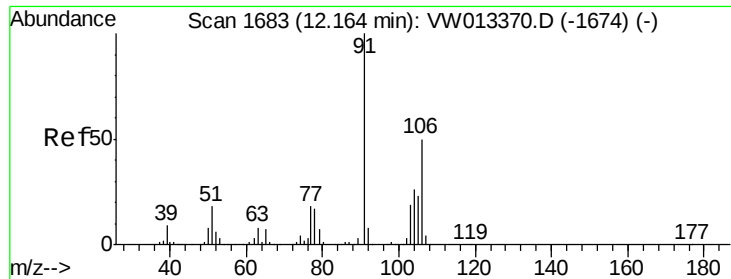
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#68
m/p-Xylenes
Concen: 42.973 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 106 Resp: 225771
Ion Ratio Lower Upper
106 100
91 196.6 157.9 236.9





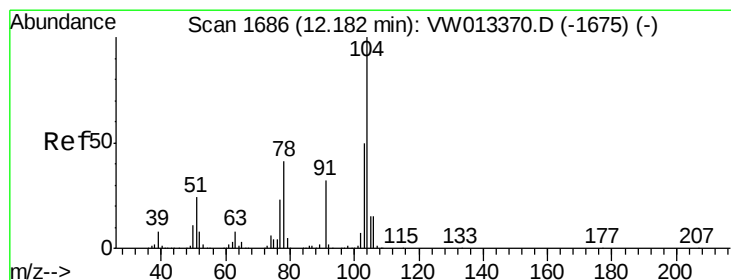
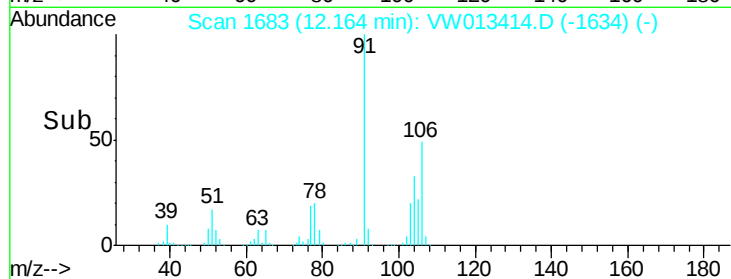
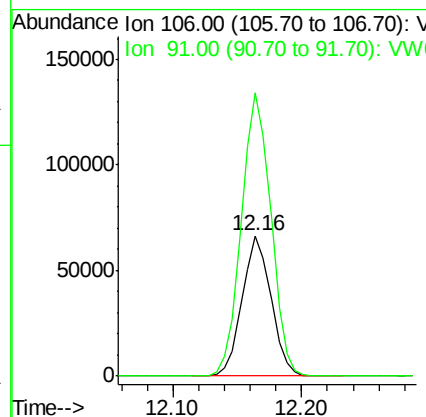
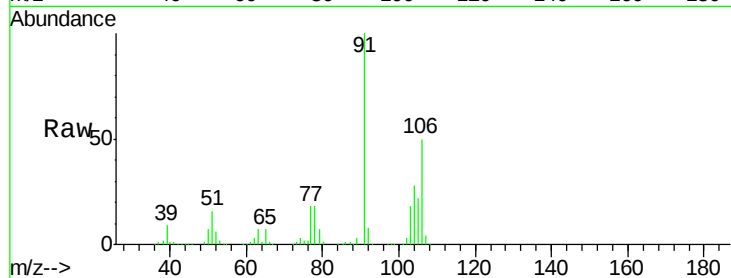
#69
o-Xylene
Concen: 21.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW1003SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		102861		
91	206.8	106.5	319.5		

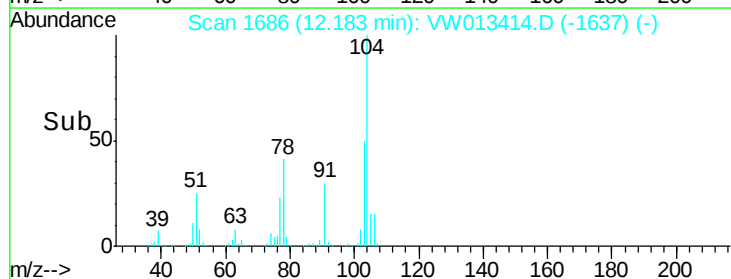
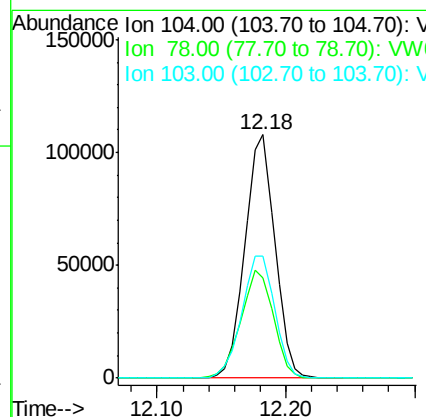
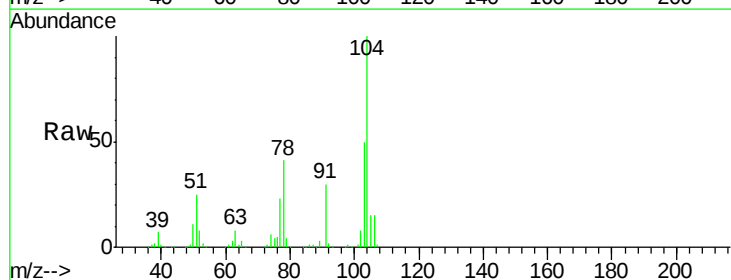
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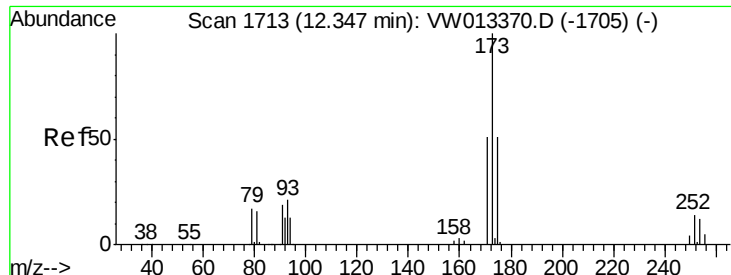
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#70
Styrene
Concen: 20.889 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		173458		
78	48.4	38.4	57.6		
103	55.4	43.3	64.9		





#71

Bromoform

Concen: 20.721 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion:173 Resp: 29059

Ion Ratio Lower Upper

173 100

175 49.9 24.3 73.0

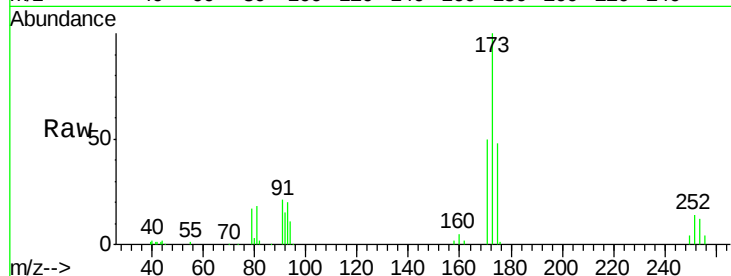
254 0.0 0.1 0.1#

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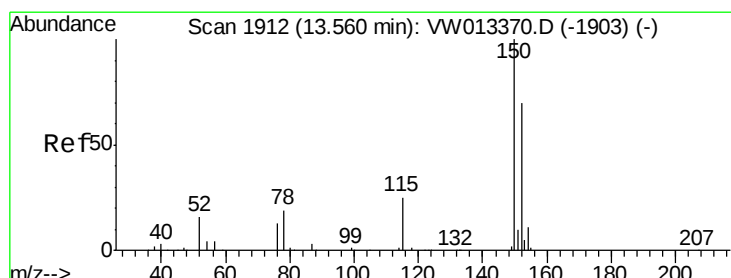
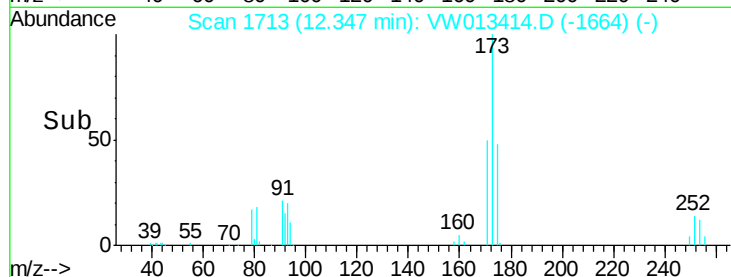
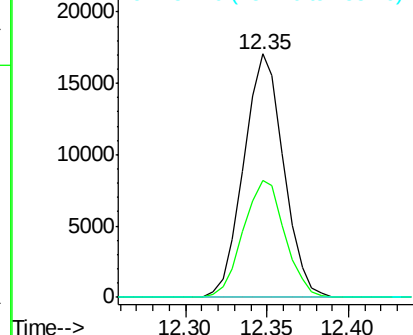
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

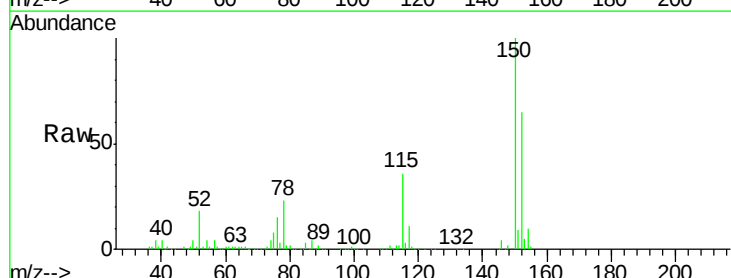
Tgt Ion:152 Resp: 193695

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

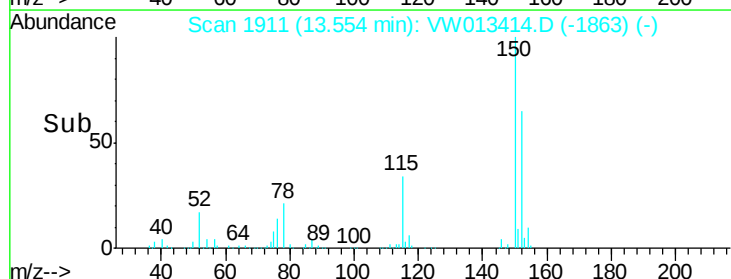
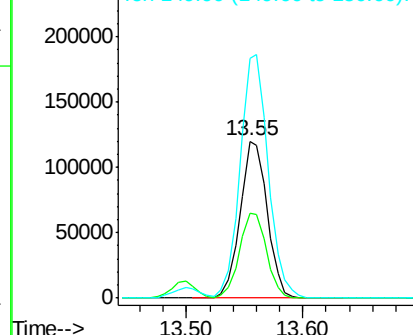
150 161.8 0.0 349.0

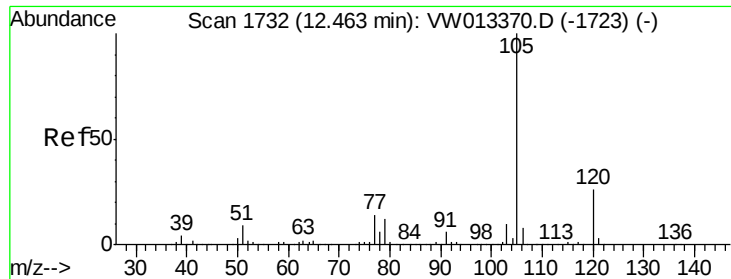


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.517 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 105 Resp: 290687

Ion Ratio Lower Upper

105 100

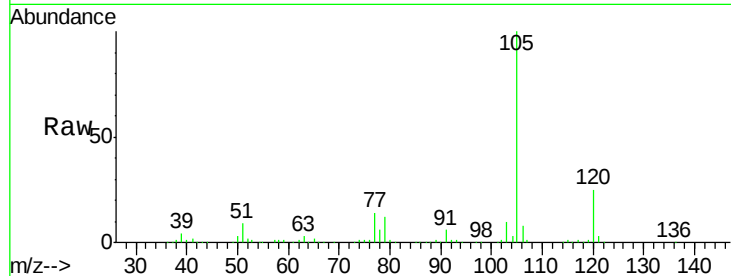
120 25.8 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

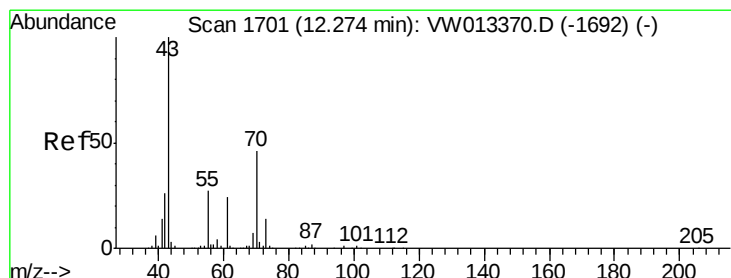
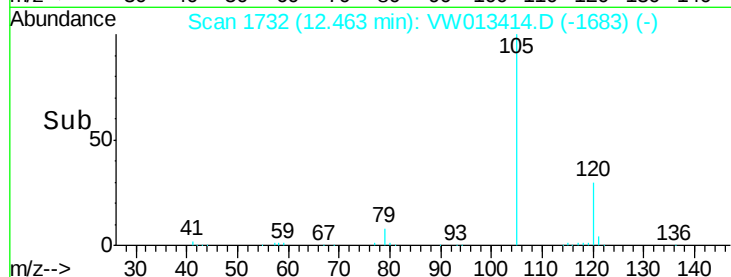
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 20.295 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 61195

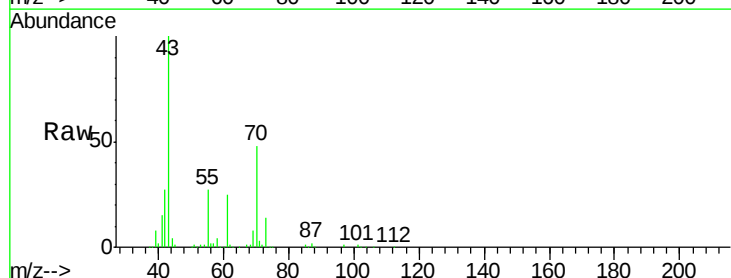
Ion Ratio Lower Upper

43 100

70 46.8 35.1 52.7

55 26.2 19.9 29.9

61 25.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

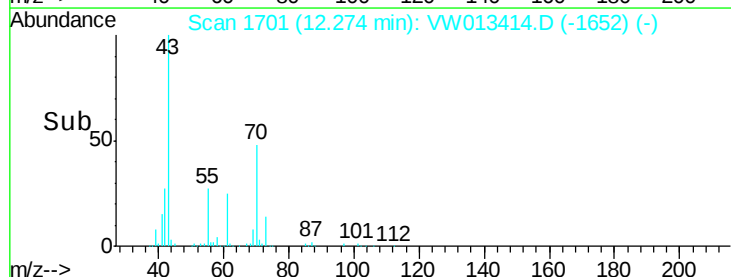
20000

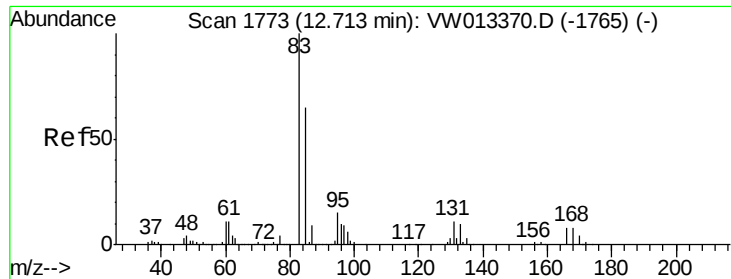
10000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.694 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

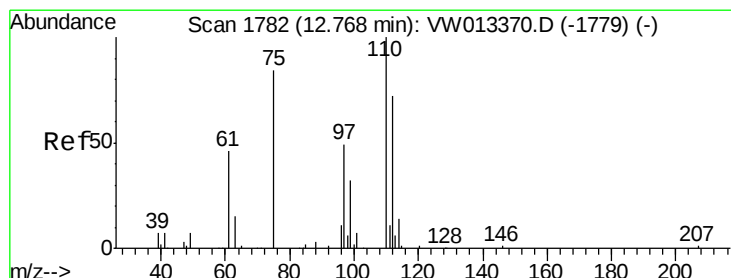
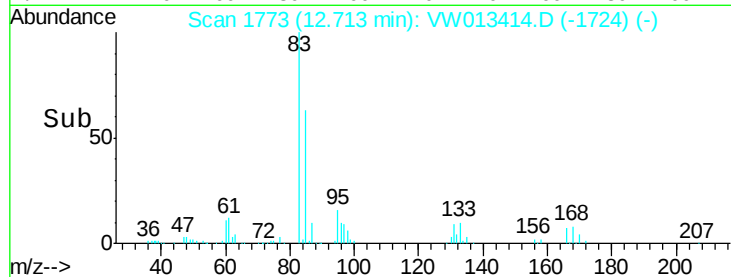
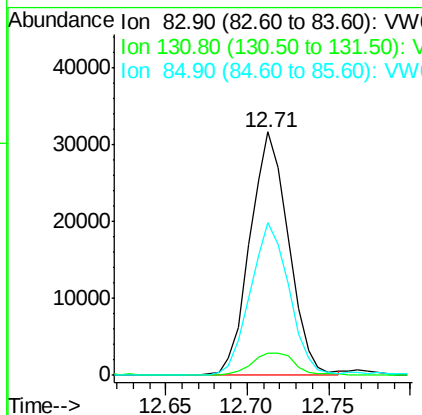
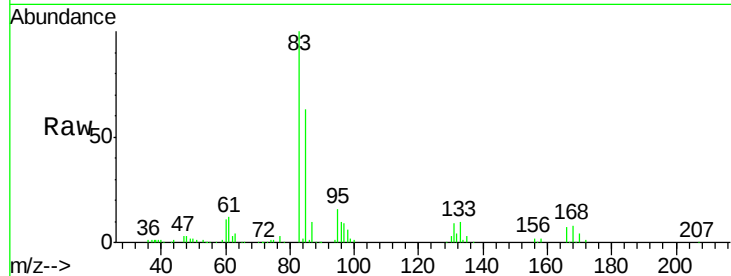
ClientSampleId :

VW1003SBS01

Tot Ion:	83	Resp:	52025
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.910 ug/l m

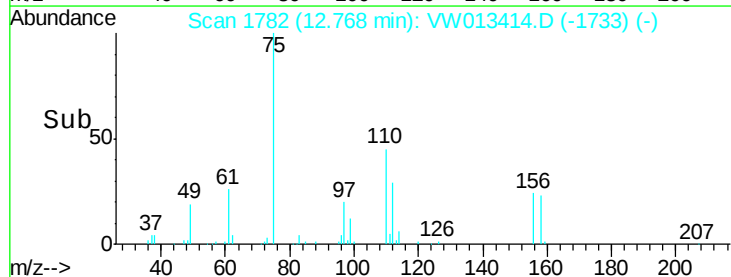
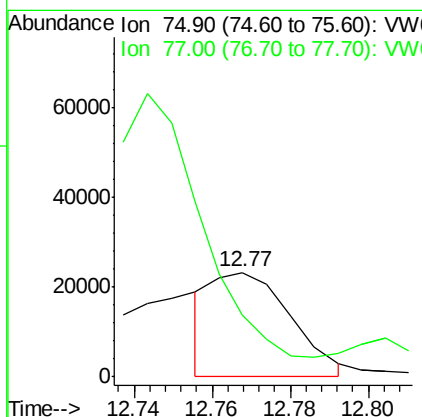
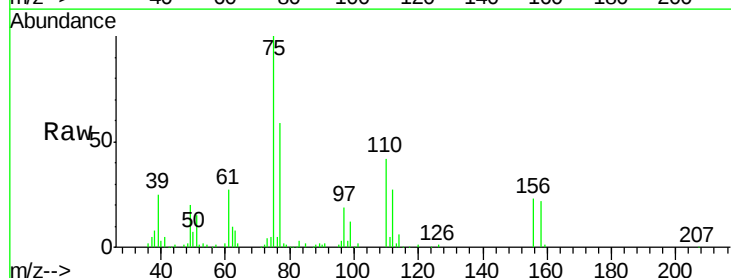
RT: 12.77 min Scan# 1782

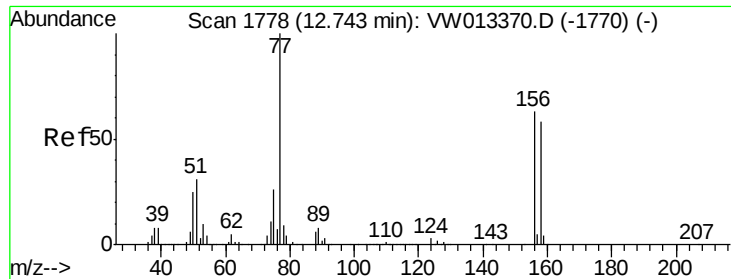
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	75	Resp:	32553
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.221 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion:156 Resp: 68794

Ion Ratio Lower Upper

156 100

77 167.8 85.7 257.1

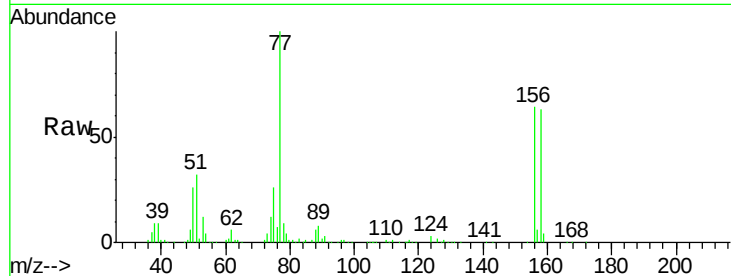
158 95.7 48.1 144.4

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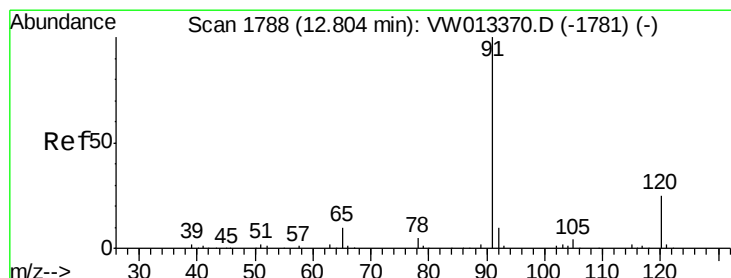
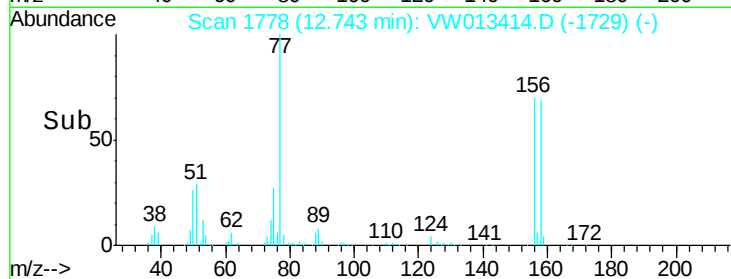
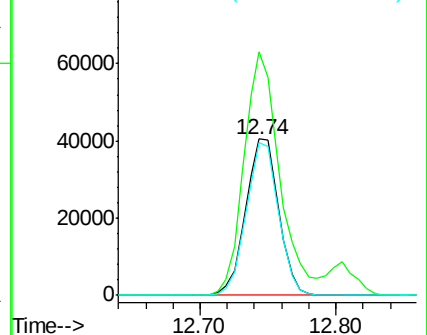
10/4/2019 12:07:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.713 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013414.D

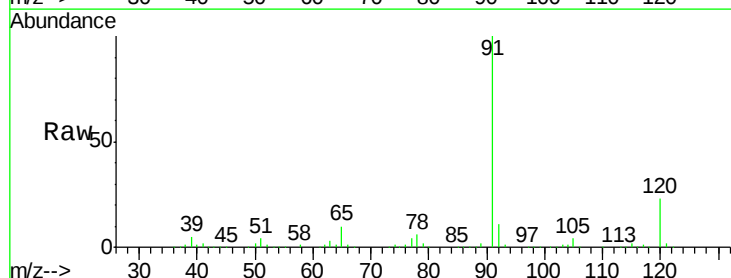
Acq: 03 Oct 2019 13:09

Tgt Ion: 91 Resp: 337581

Ion Ratio Lower Upper

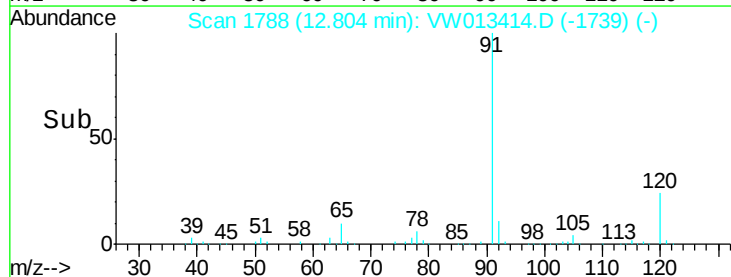
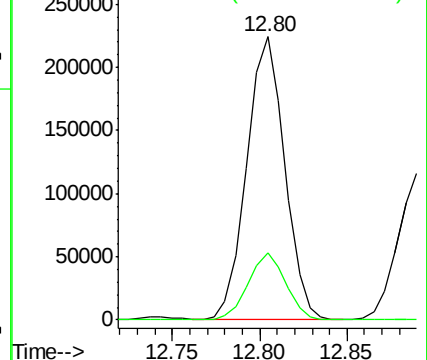
91 100

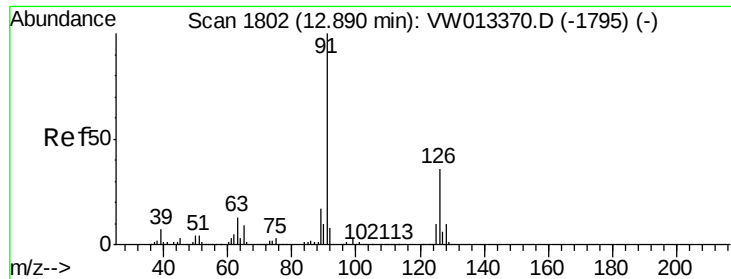
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.512 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBS01

Tot Ion: 91 Resp: 185676

Ion Ratio Lower Upper

91 100

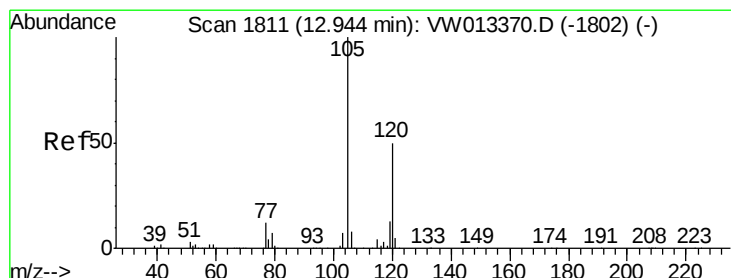
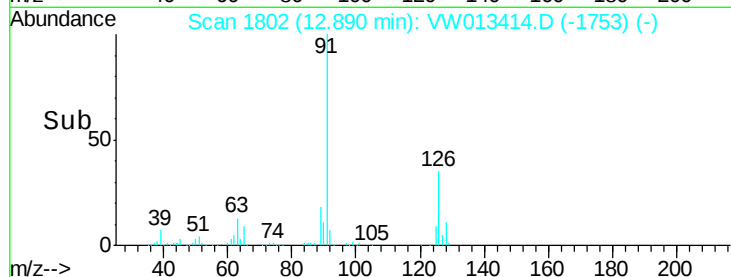
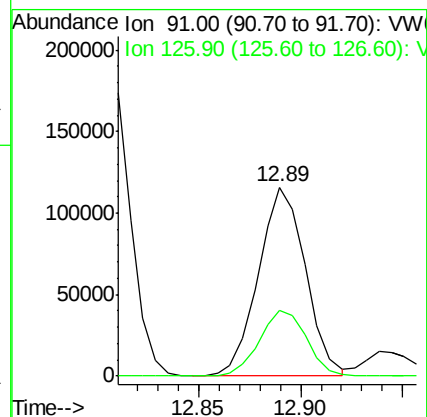
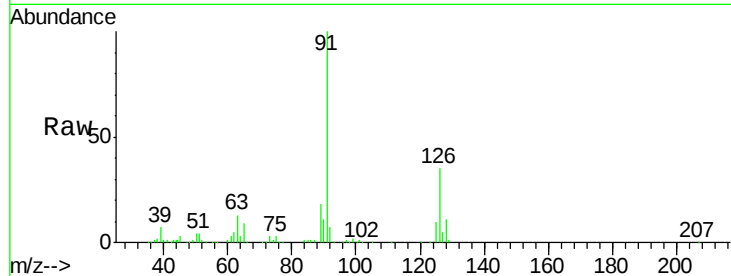
126 35.2 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.487 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013414.D

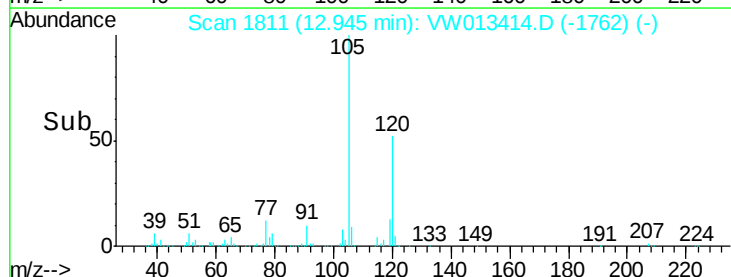
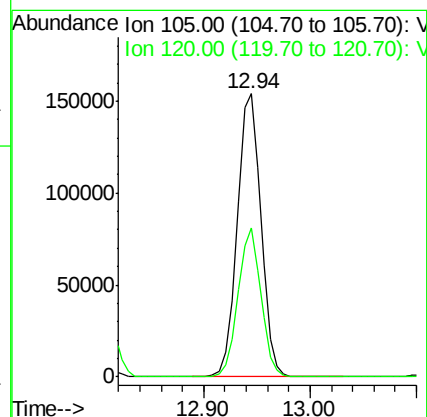
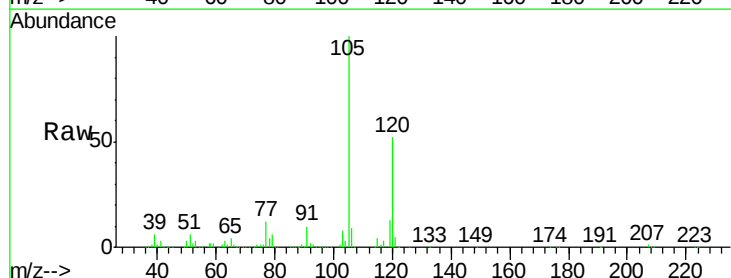
Acq: 03 Oct 2019 13:09

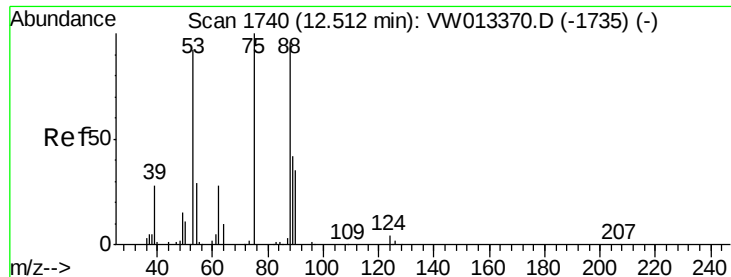
Tgt Ion: 105 Resp: 241122

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 22.108 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_W

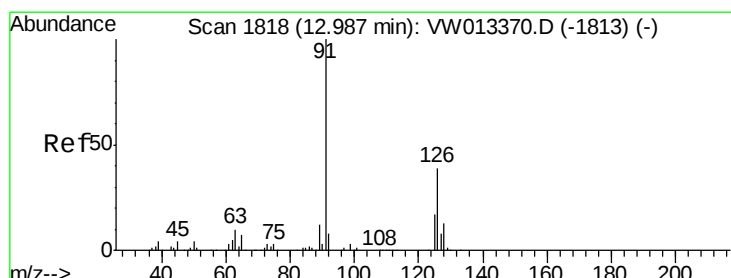
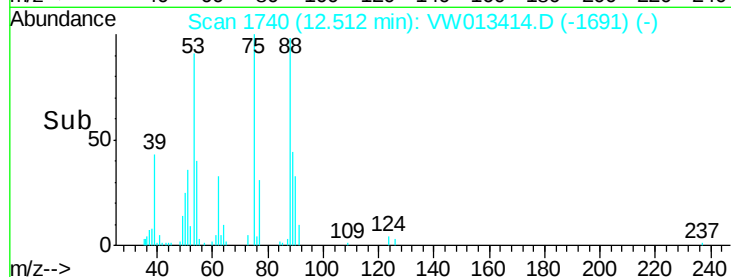
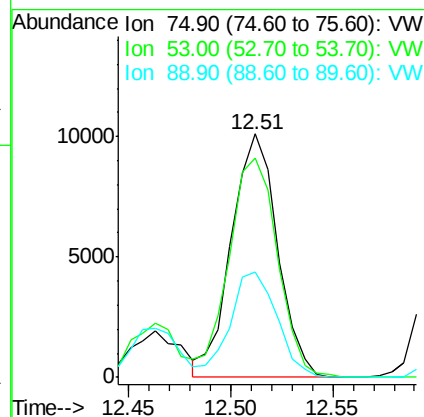
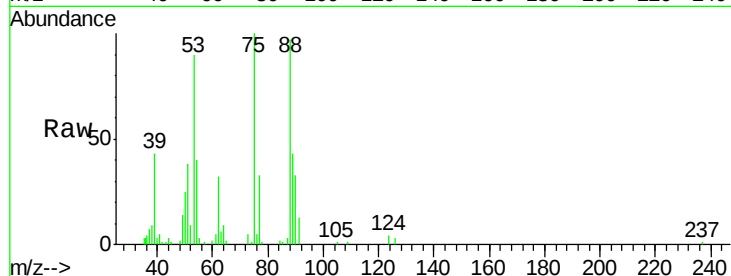
ClientSampleId :

VW1003SBS01

Tot Ion:	75	Resp:	15826
Ion Ratio	Lower	Upper	
75	100		
53	94.9	76.6	114.8
89	44.3	33.5	50.3

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#82

4-Chlorotoluene

Concen: 20.375 ug/l

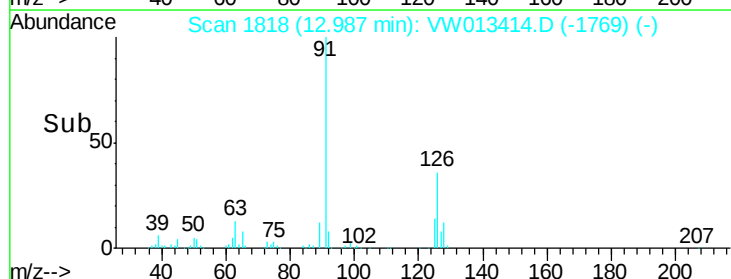
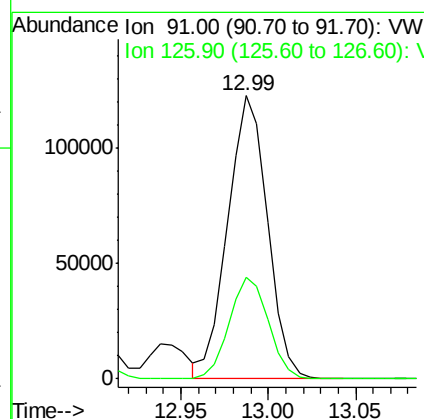
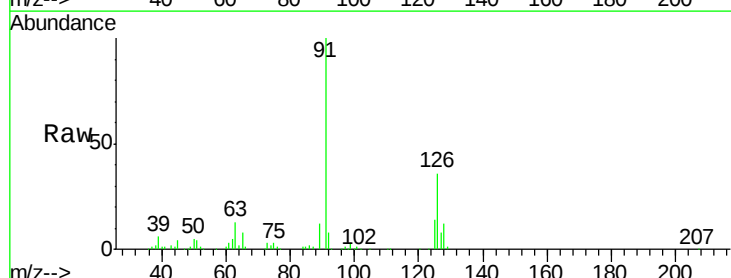
RT: 12.99 min Scan# 1818

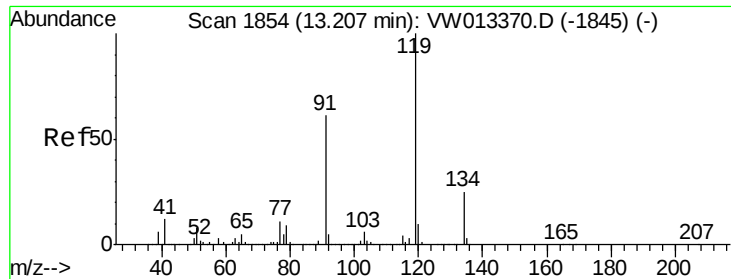
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion:	91	Resp:	193201
Ion Ratio	Lower	Upper	
91	100		
126	35.6	17.3	51.7





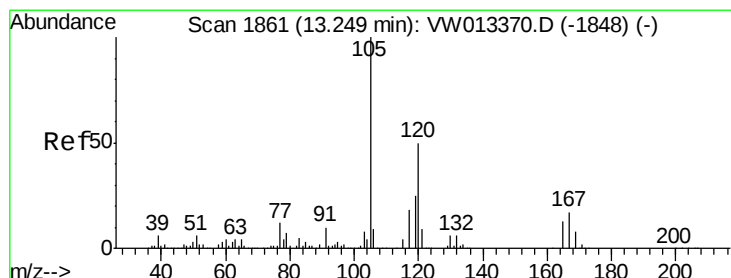
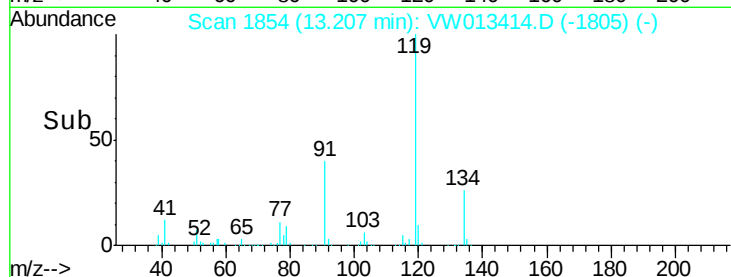
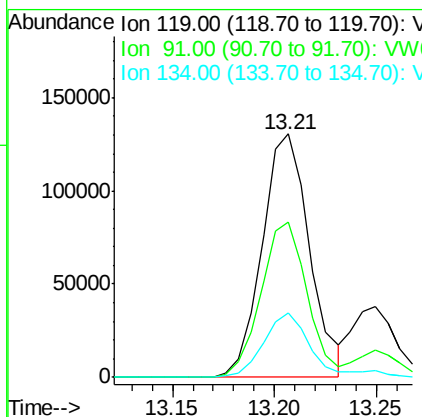
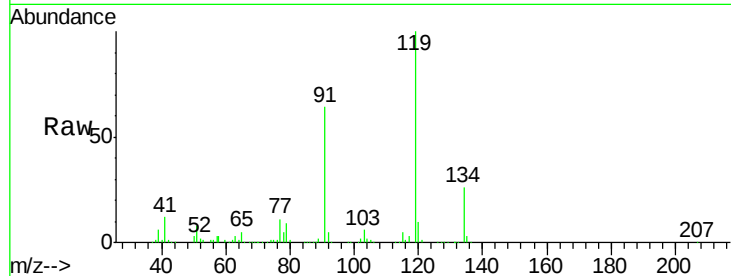
#83
tert-Butylbenzene
Concen: 20.551 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	27.2	12.6	37.6

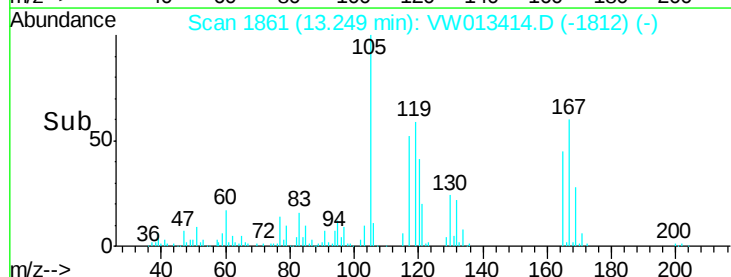
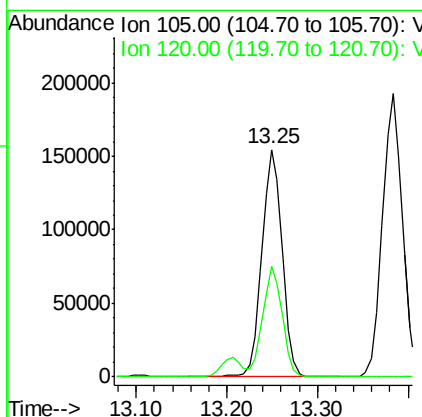
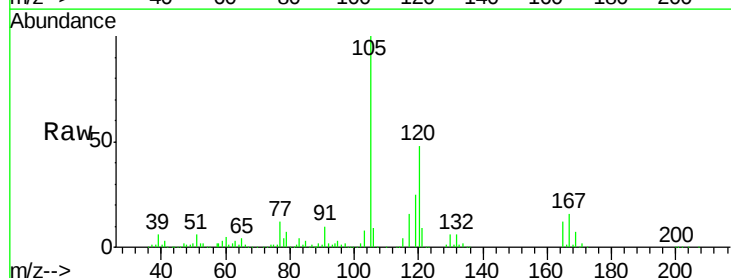
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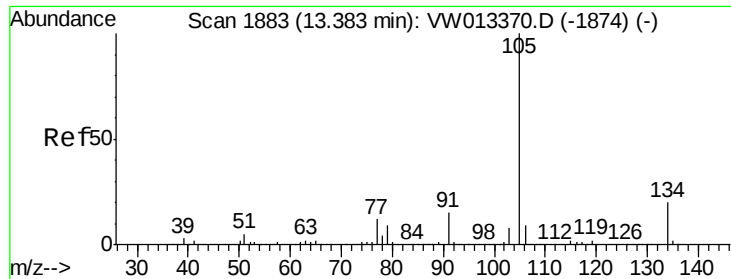
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#84
1,2,4-Trimethylbenzene
Concen: 20.399 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





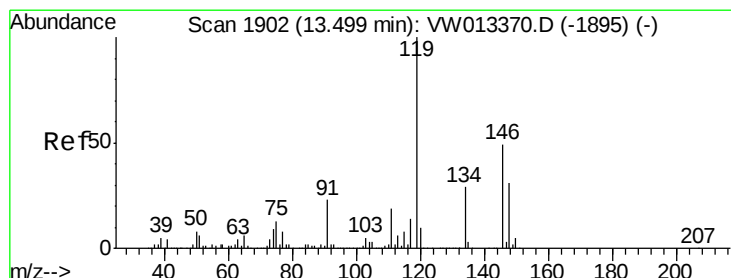
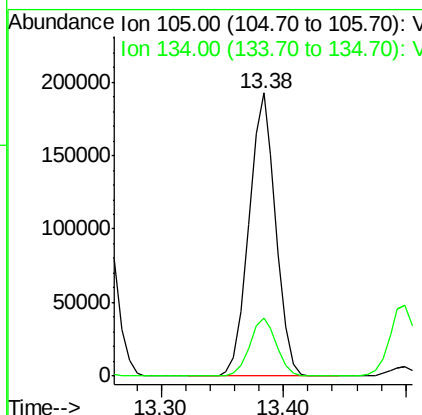
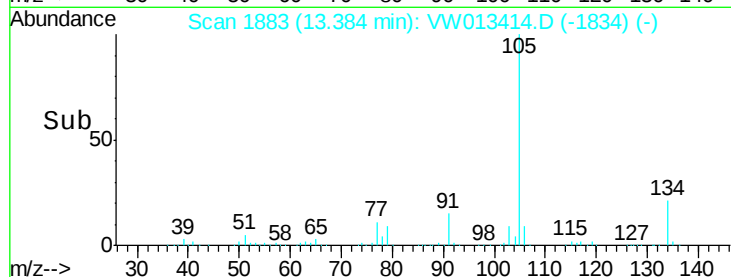
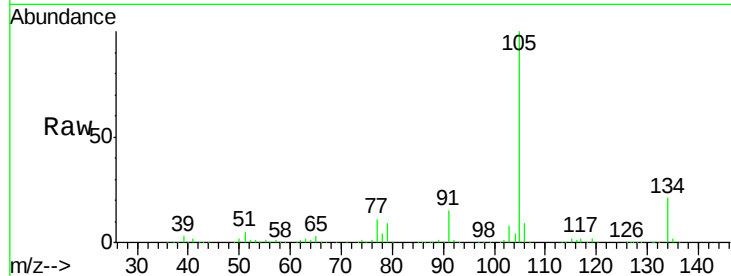
#85
 sec-Butylbenzene
 Concen: 20.586 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

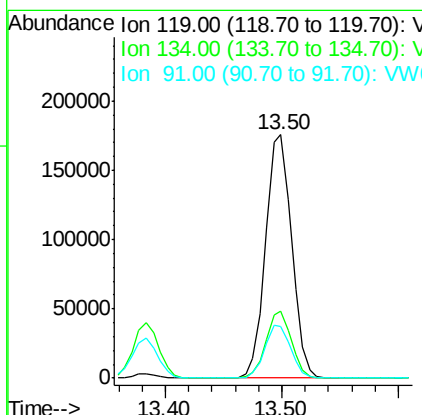
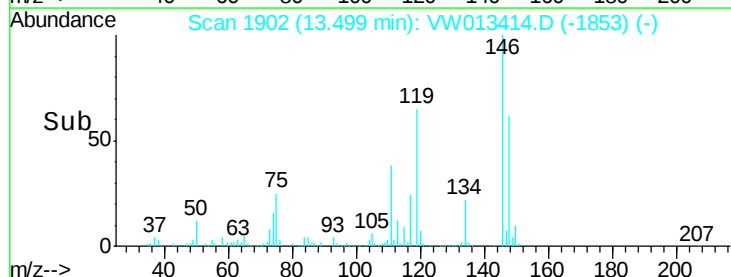
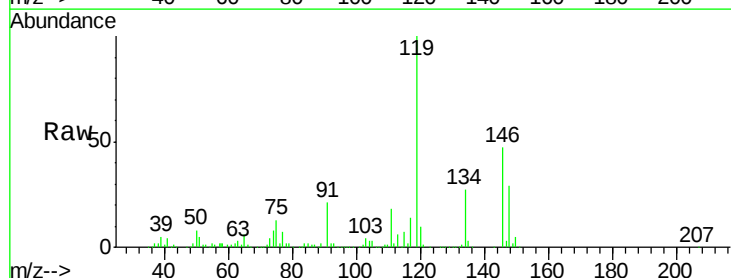
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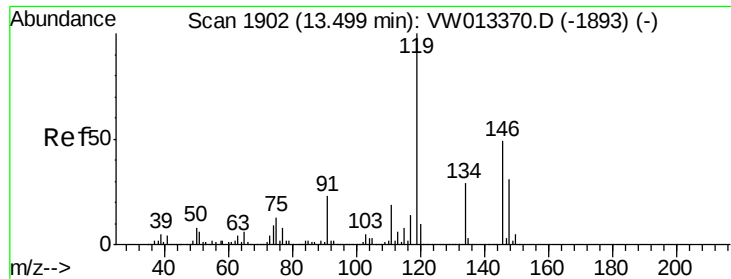
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.658 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.7	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 20.534 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

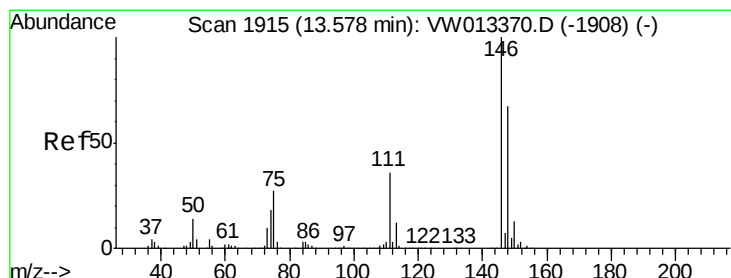
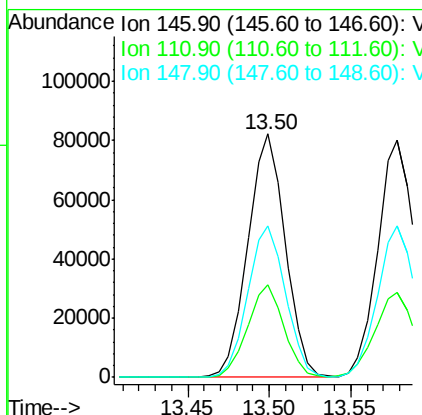
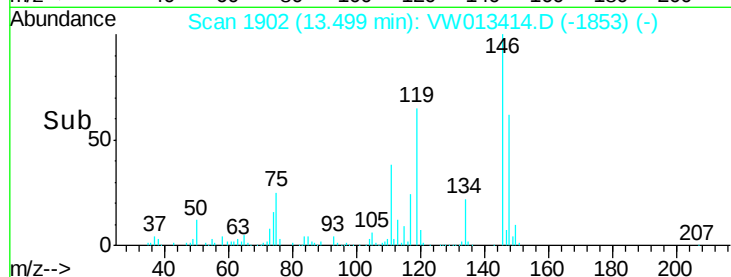
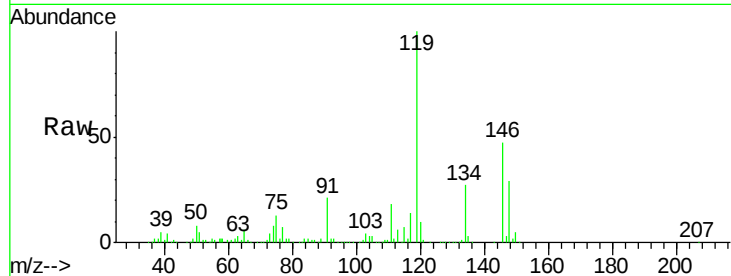
Instrument :
MSVOA_W

ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	62.8	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 20.078 ug/l

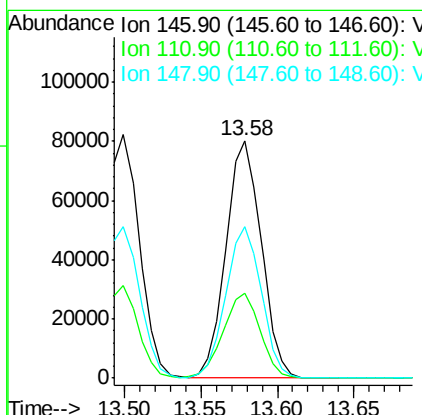
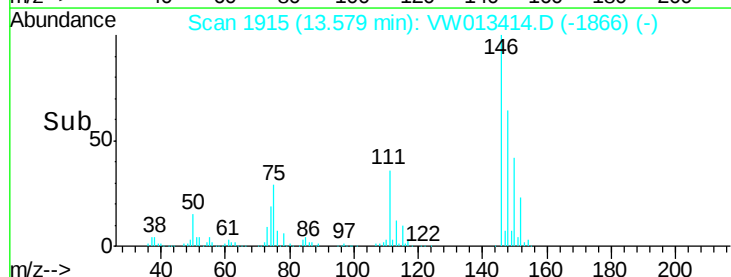
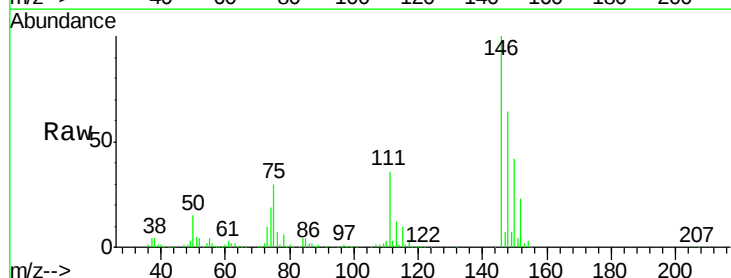
RT: 13.58 min Scan# 1915

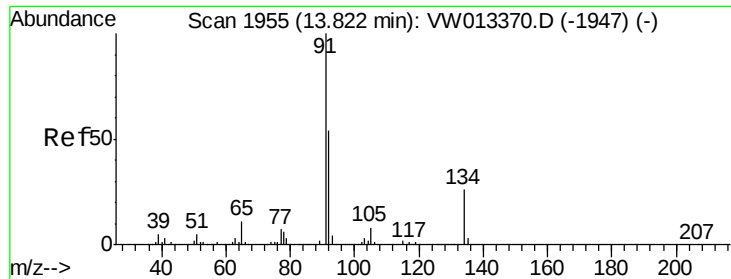
Delta R.T. 0.00 min

Lab File: VW013414.D

Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.3	32.1	96.3





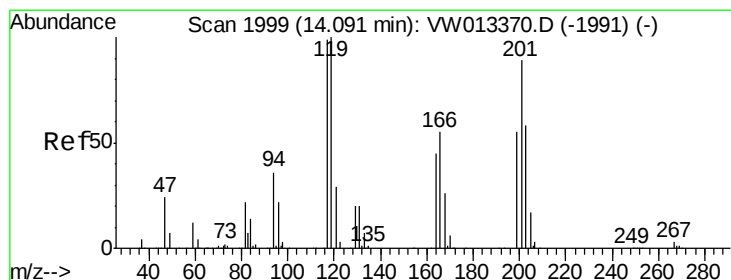
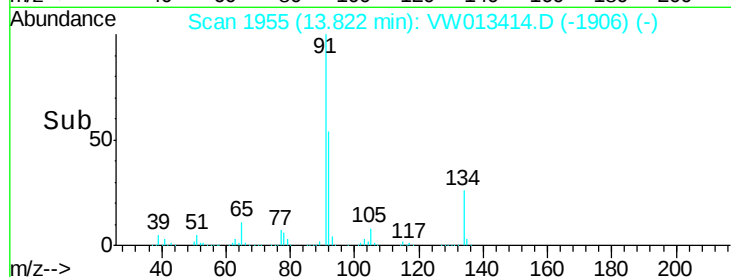
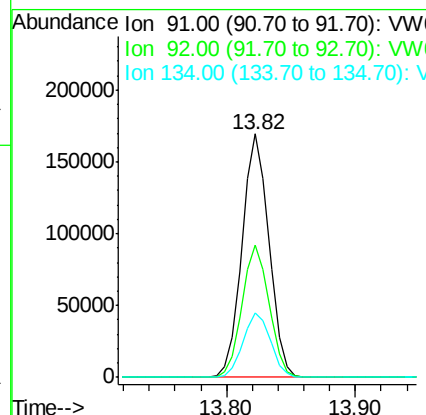
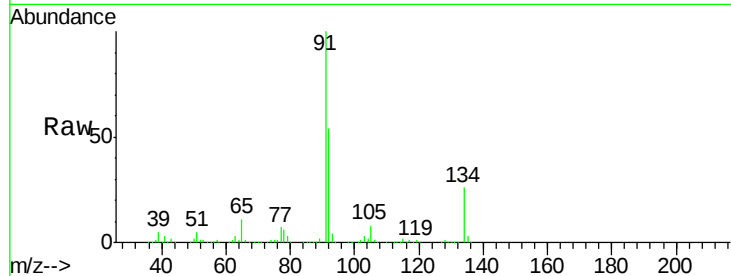
#89
n-Butylbenzene
Concen: 20.686 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	244978		
92	54.6		27.6	82.8
134	26.8		13.7	41.1

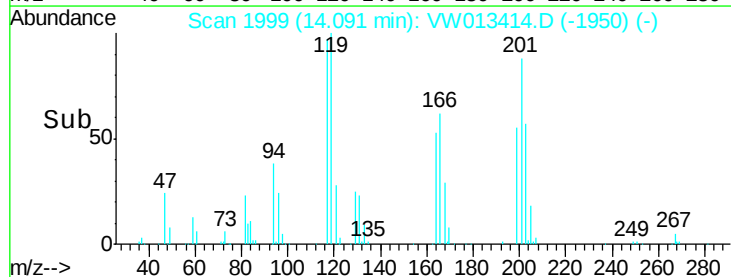
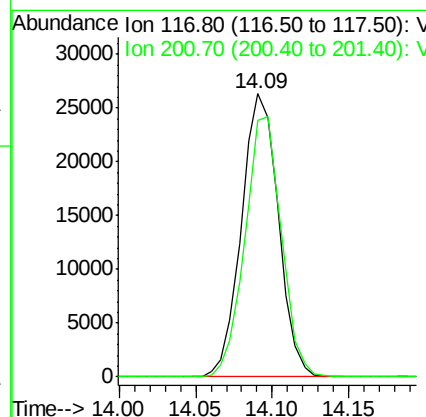
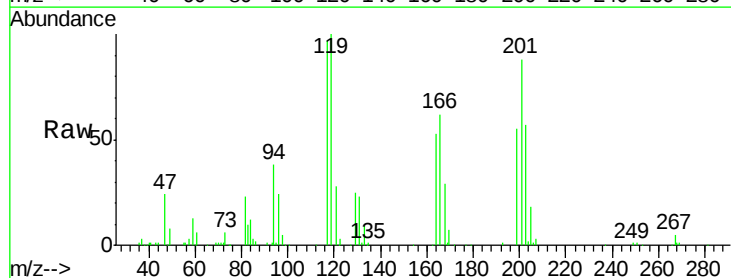
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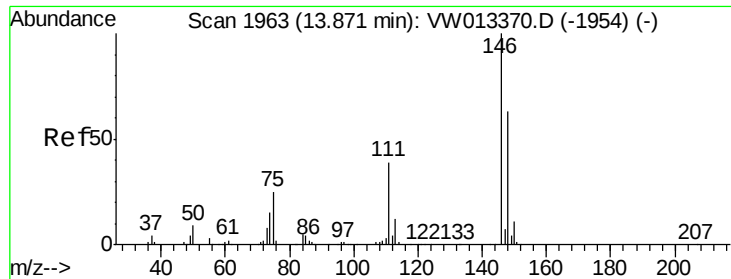
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#90
Hexachloroethane
Concen: 20.309 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44073		
201	90.8		44.5	133.5





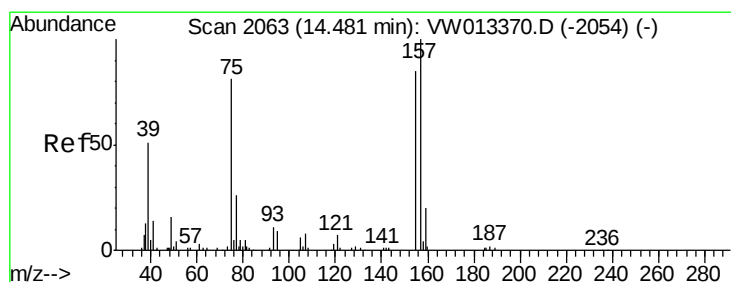
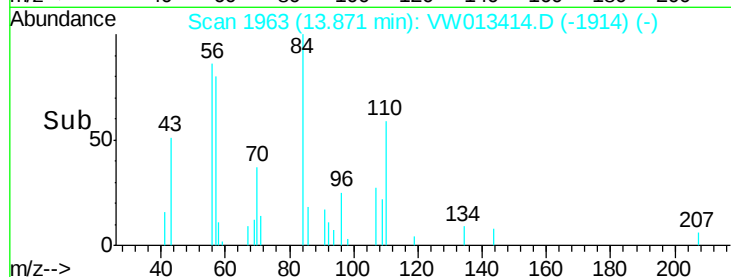
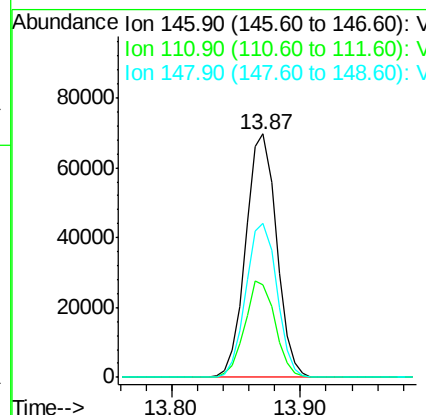
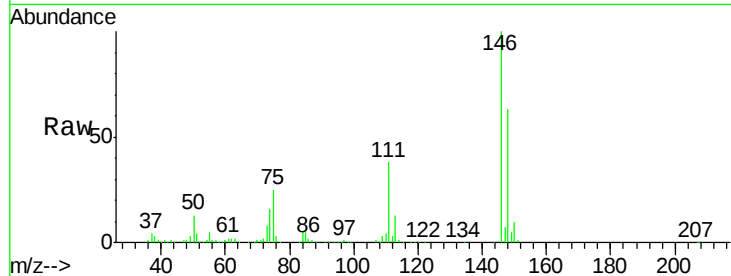
#91
 1,2-Dichlorobenzene
 Concen: 20.313 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.3
148	63.8	32.0	96.0

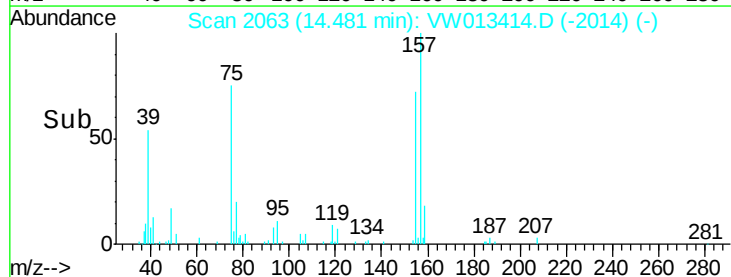
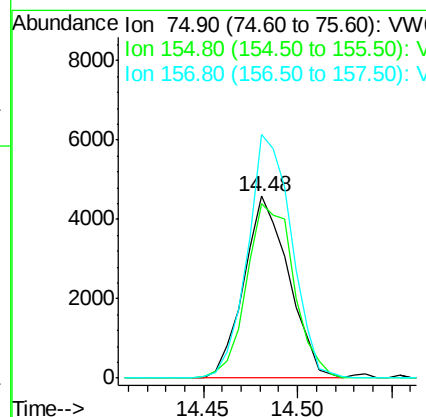
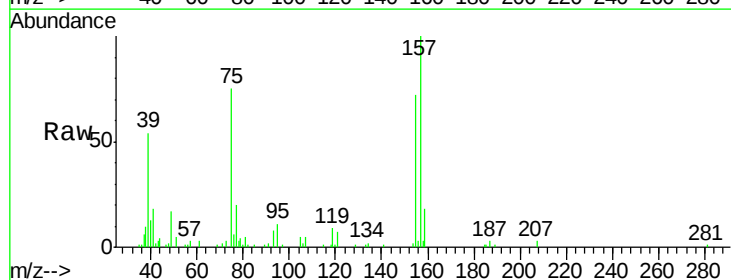
Manual Integrations
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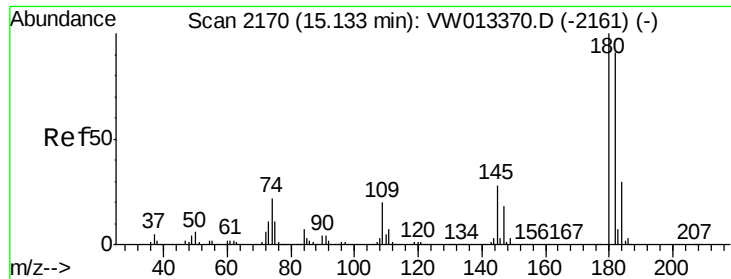
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.121 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013414.D
 Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	46.1	138.3
157	131.5	60.4	181.2





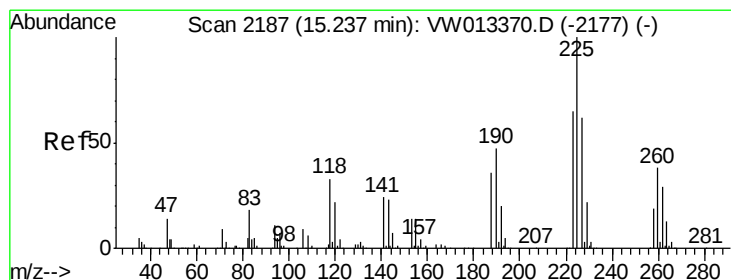
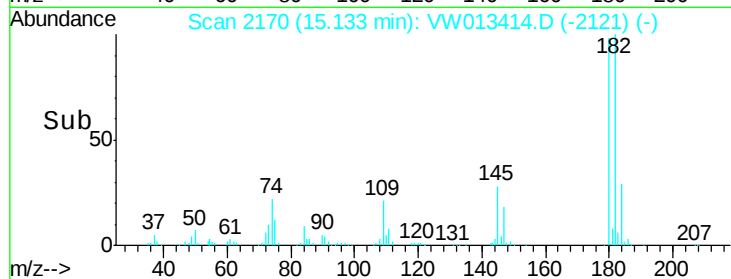
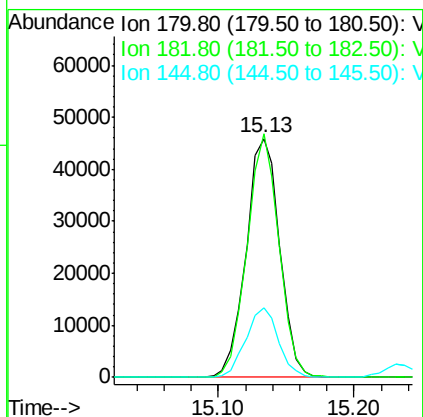
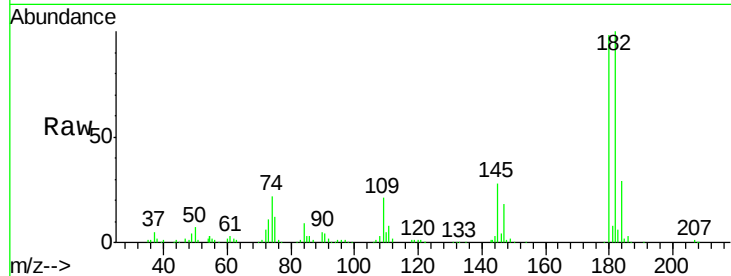
#93
1,2,4-Trichlorobenzene
Concen: 19.582 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	28.0	14.2	42.8

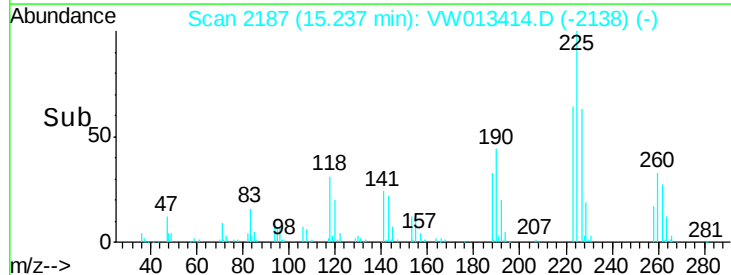
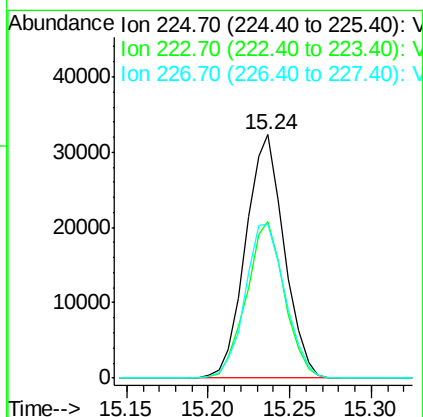
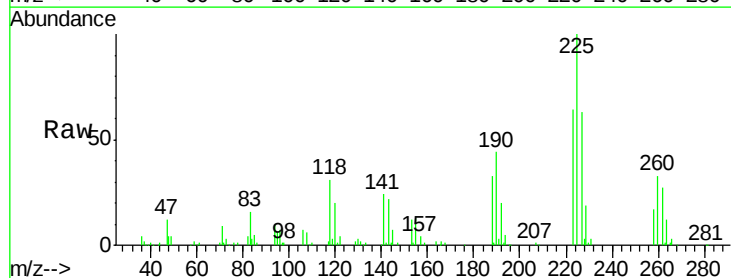
Manual Integrations
APPROVED

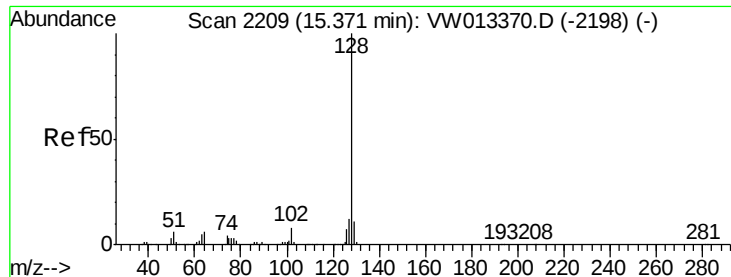
MMDadoda
10/4/2019 12:07:13 PM



#94
Hexachlorobutadiene
Concen: 20.106 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	91.8
227	65.9	31.9	95.9





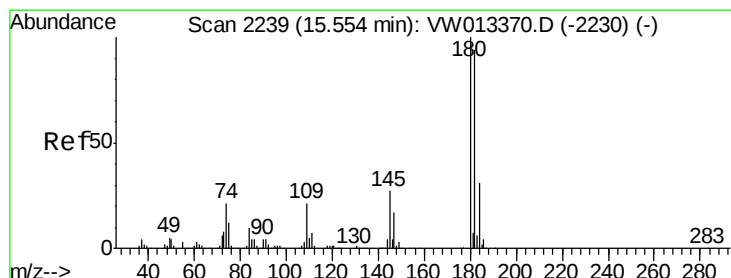
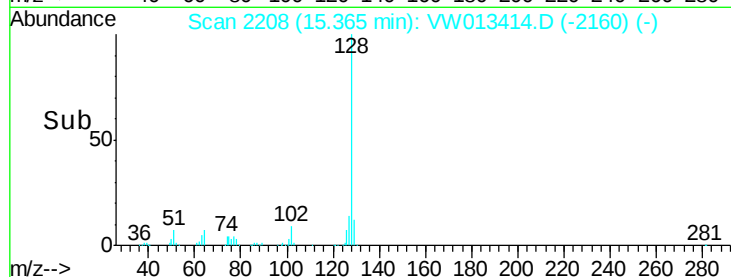
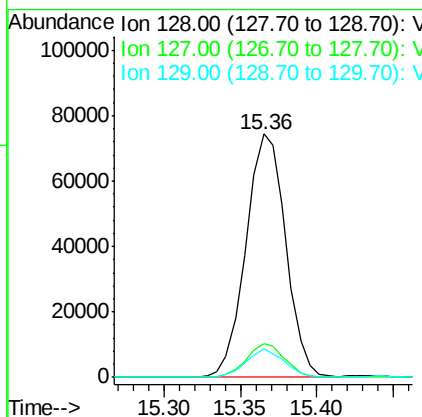
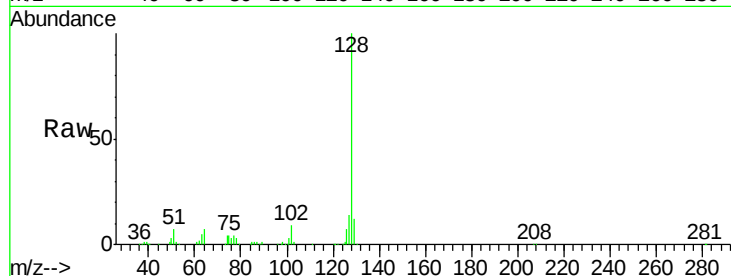
#95
Naphthalene
Concen: 19.633 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:07:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.422 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013414.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.7	15.0	45.0

