

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013761.D
 Acq On : 28 Oct 2019 12:55
 Operator : SY/VA
 Sample : VW1028SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:05:04 PM

Quant Time: Oct 29 11:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	120663	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.88	113	123701	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.32	98	511100	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	173653	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	41427	24.533	ug/l	97
3) Chloromethane	2.21	50	45706	25.185	ug/l	96
4) Vinyl Chloride	2.36	62	67001	24.447	ug/l	99
5) Bromomethane	2.78	94	41951	23.274	ug/l	95
6) Chloroethane	2.92	64	36238	21.851	ug/l	98
7) Trichlorofluoromethane	3.25	101	41447	24.211	ug/l	95
8) Diethyl Ether	3.68	74	31551	22.813	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60381	21.697	ug/l	99
10) Methyl Iodide	4.27	142	99290	21.894	ug/l	99
11) Tert butyl alcohol	5.23	59	17402	121.232	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	63975	22.255	ug/l	91
13) Acrolein	3.89	56	15435	93.857	ug/l	99
14) Allyl chloride	4.67	41	95627	21.634	ug/l	98
15) Acrylonitrile	5.37	53	65613	116.670	ug/l	100
16) Acetone	4.14	43	54975	107.830	ug/l	89
17) Carbon Disulfide	4.38	76	183896	22.275	ug/l	97
18) Methyl Acetate	4.67	43	37293	26.684	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	78976	22.894	ug/l	97
20) Methylene Chloride	4.92	84	68399	21.696	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	68785	22.232	ug/l	94
22) Diisopropyl ether	6.31	45	174814	21.681	ug/l	97
23) Vinyl Acetate	6.25	43	518888	110.909	ug/l	99
24) 1,1-Dichloroethane	6.21	63	112501	22.031	ug/l	98
25) 2-Butanone	7.18	43	81505	111.197	ug/l	94
26) 2,2-Dichloropropane	7.16	77	65969	22.341	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	71022	21.612	ug/l	98
28) Bromochloromethane	7.51	49	27732	16.174	ug/l #	99
29) Tetrahydrofuran	7.53	42	52819	116.396	ug/l	98
30) Chloroform	7.67	83	109742	21.740	ug/l	99
31) Cyclohexane	7.95	56	114377	21.403	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	89275	22.536	ug/l	98
36) 1,1-Dichloropropene	8.08	75	93537	22.225	ug/l	99
37) Ethyl Acetate	7.25	43	37344	23.180	ug/l	98
38) Carbon Tetrachloride	8.07	117	84372	22.263	ug/l	99

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 APPROVED

MMDadoda
 10/29/2019 2:05:04 PM

Quant Time: Oct 29 11:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117201	21.564	ug/l	97
40) Benzene	8.32	78	260357	21.860	ug/l	97
41) Methacrylonitrile	7.48	41	23561	23.452	ug/l	94
42) 1,2-Dichloroethane	8.40	62	66739	22.236	ug/l	99
43) Isopropyl Acetate	8.42	43	71759	23.270	ug/l	98
44) Trichloroethene	9.09	130	74681	21.890	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61205	21.514	ug/l	97
46) Dibromomethane	9.46	93	30760	22.277	ug/l	99
47) Bromodichloromethane	9.64	83	76954	21.540	ug/l	99
48) Methyl methacrylate	9.43	41	36160	23.646	ug/l	98
49) 1,4-Dioxane	9.47	88	10714	525.100	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	179233	116.964	ug/l	100
52) Toluene	10.38	92	167477	21.799	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	80053	22.134	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	97030	21.745	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46452	22.573	ug/l	98
56) Ethyl methacrylate	10.65	69	57523	22.343	ug/l	97
57) 1,3-Dichloropropane	10.93	76	78131	22.125	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	125959	106.301	ug/l	98
59) 2-Hexanone	10.97	43	122770	116.214	ug/l	99
60) Dibromochloromethane	11.13	129	53324	21.825	ug/l	100
61) 1,2-Dibromoethane	11.23	107	43927	22.563	ug/l	100
64) Tetrachloroethene	10.86	164	64345	21.848	ug/l	97
65) Chlorobenzene	11.66	112	172188	21.738	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59751	21.614	ug/l	99
67) Ethyl Benzene	11.73	91	315401	22.082	ug/l	100
68) m/p-Xylenes	11.83	106	242941	44.024	ug/l	99
69) o-Xylene	12.16	106	110793	21.843	ug/l	100
70) Styrene	12.18	104	189533	21.748	ug/l	99
71) Bromoform	12.35	173	32960	22.719	ug/l #	100
73) Isopropylbenzene	12.46	105	306171	21.416	ug/l	100
74) N-amyl acetate	12.27	43	62829	22.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51301	22.740	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	40463m	28.303	ug/l	
77) Bromobenzene	12.75	156	73428	21.501	ug/l	98
78) n-propylbenzene	12.80	91	357414	21.600	ug/l	99
79) 2-Chlorotoluene	12.89	91	199147	21.416	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	259923	21.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16983	22.450	ug/l	97
82) 4-Chlorotoluene	12.99	91	211313	21.646	ug/l	98
83) tert-Butylbenzene	13.21	119	224080	20.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	258888	21.747	ug/l	100
85) sec-Butylbenzene	13.38	105	316341	21.595	ug/l	100
86) p-Isopropyltoluene	13.50	119	294859	21.609	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	142761	21.575	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141269	21.490	ug/l	98
89) n-Butylbenzene	13.82	91	268570	21.805	ug/l	100
90) Hexachloroethane	14.09	117	49048	20.680	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	123837	21.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7952	23.310	ug/l	98

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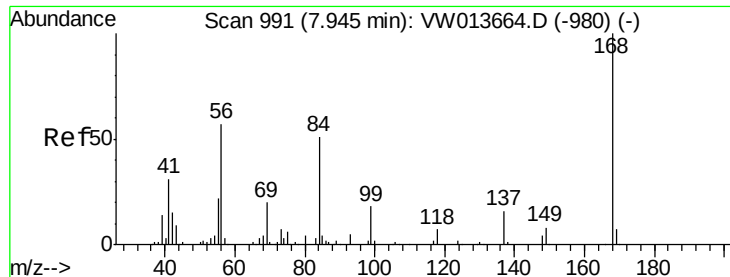
Manual Integrations
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10/29/2019 2:05:04 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89416	21.415	ug/l	99
94) Hexachlorobutadiene	15.24	225	62293	22.099	ug/l	98
95) Naphthalene	15.36	128	149394	22.820	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76662	21.308	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion:168 Resp: 320530

Ion Ratio Lower Upper

168 100

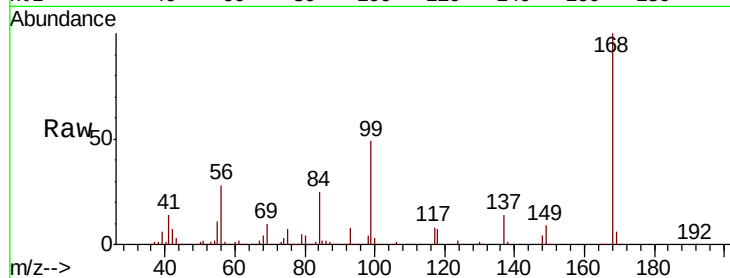
99 49.3 39.0 58.6

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

150000

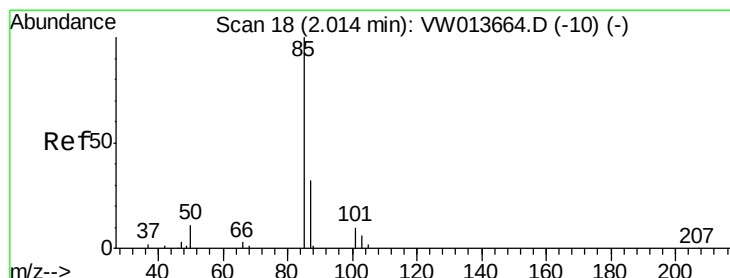
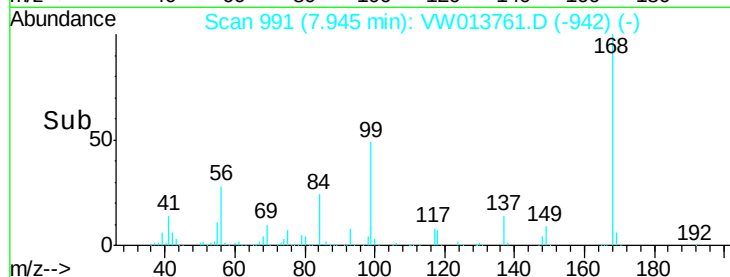
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.533 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013761.D

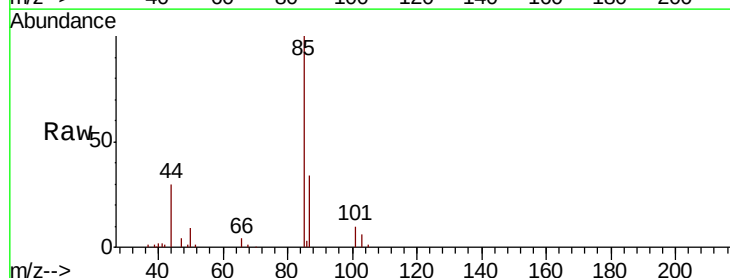
Acq: 28 Oct 2019 12:55

Tgt Ion: 85 Resp: 41427

Ion Ratio Lower Upper

85 100

87 33.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

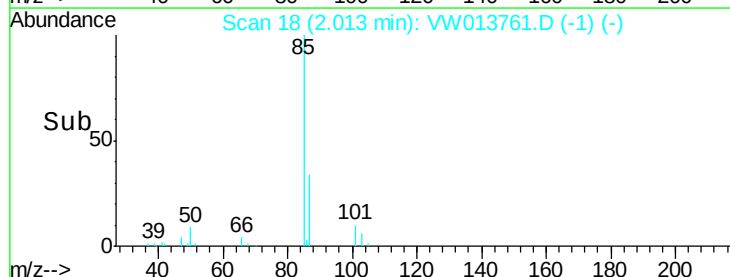
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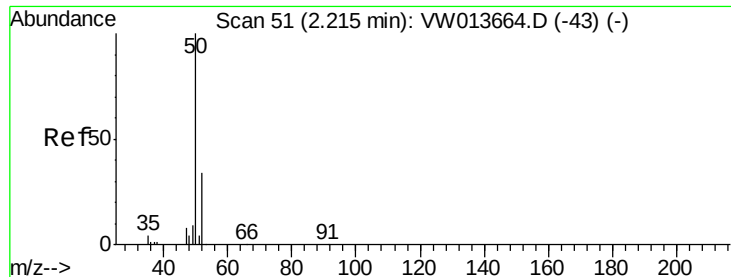
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 25.185 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 50 Resp: 45706

Ion Ratio Lower Upper

50 100

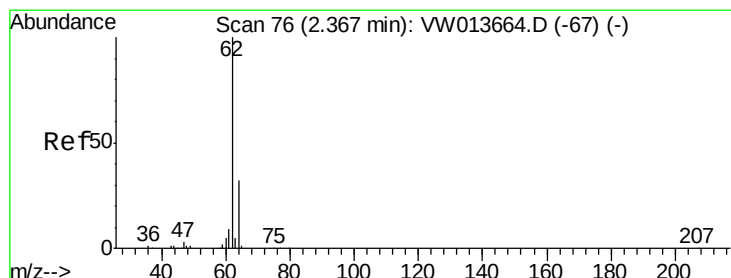
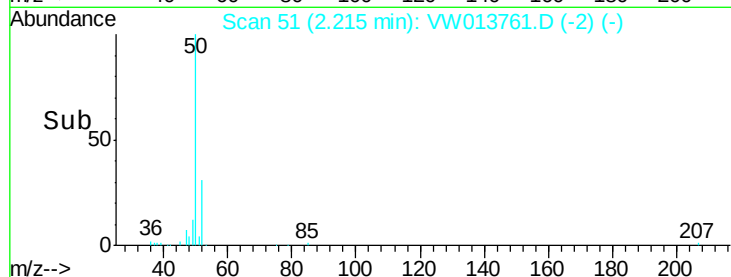
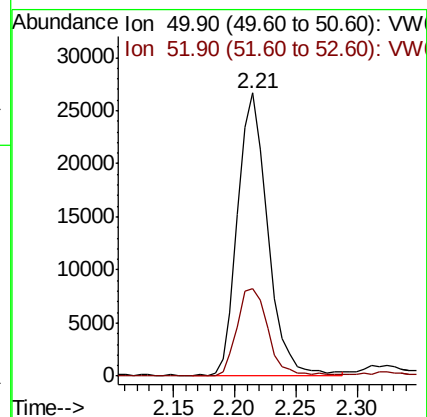
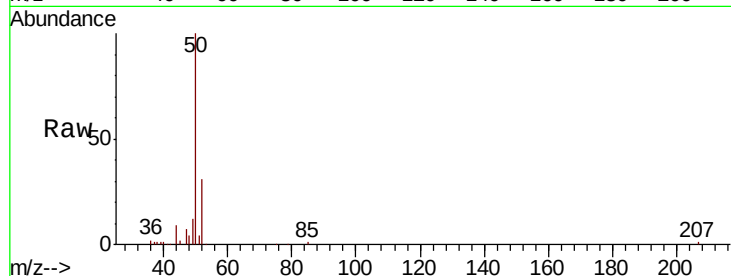
52 31.1 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.447 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013761.D

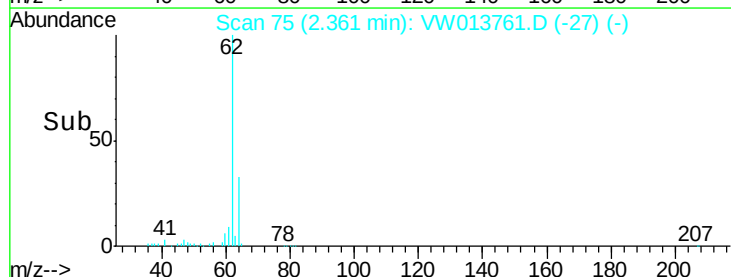
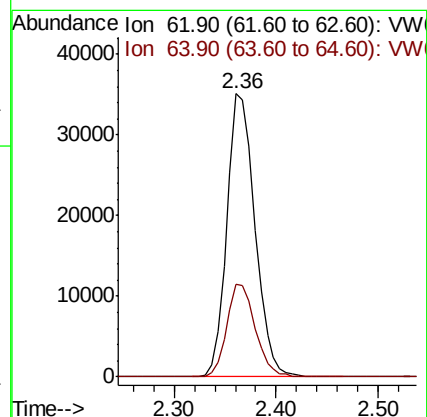
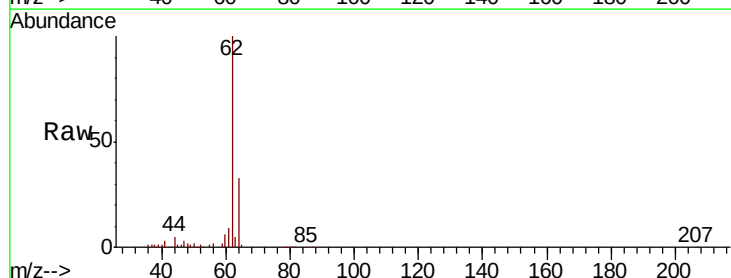
Acq: 28 Oct 2019 12:55

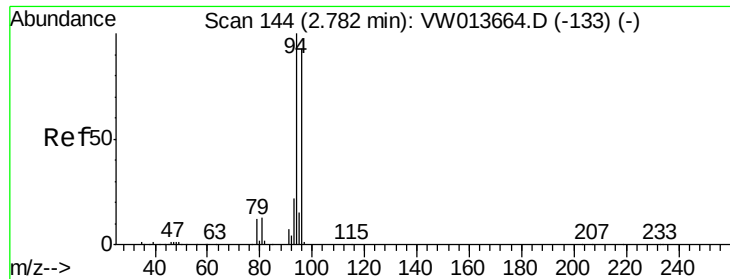
Tgt Ion: 62 Resp: 67001

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 23.274 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 94 Resp: 41951

Ion Ratio Lower Upper

94 100

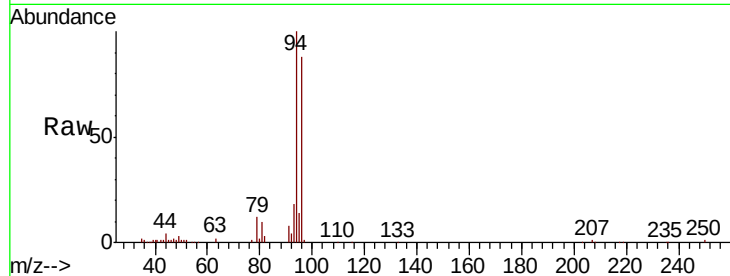
96 88.2 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

25000

20000

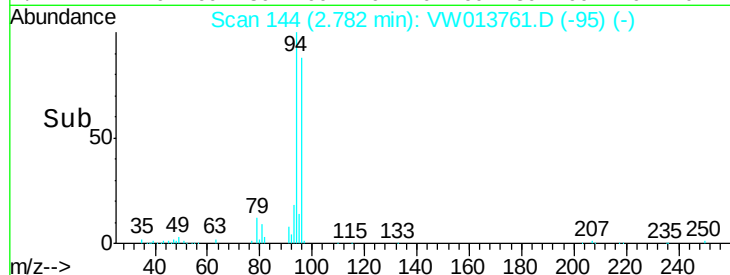
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10000

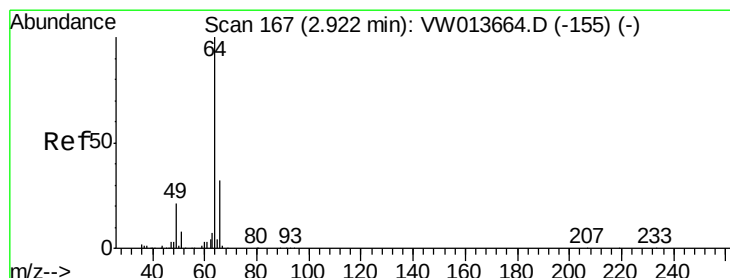
5000

0

Time-->



2.78



#6

Chloroethane

Concen: 21.851 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013761.D

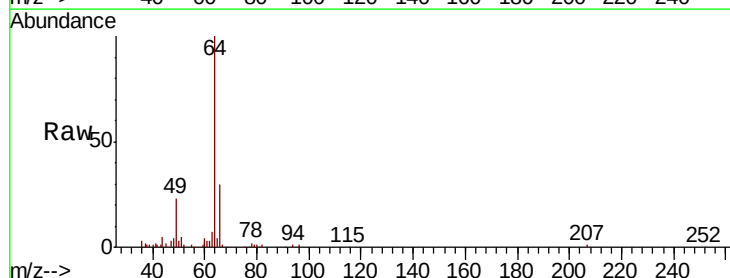
Acq: 28 Oct 2019 12:55

Tgt Ion: 64 Resp: 36238

Ion Ratio Lower Upper

64 100

66 30.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

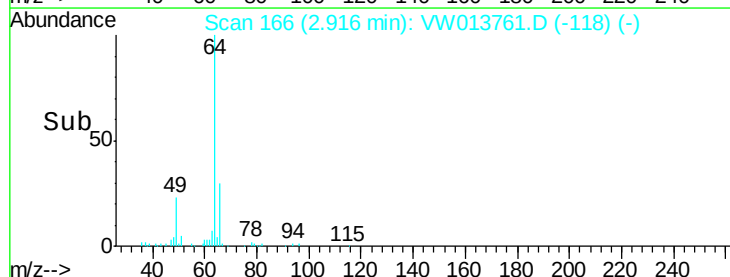
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10000

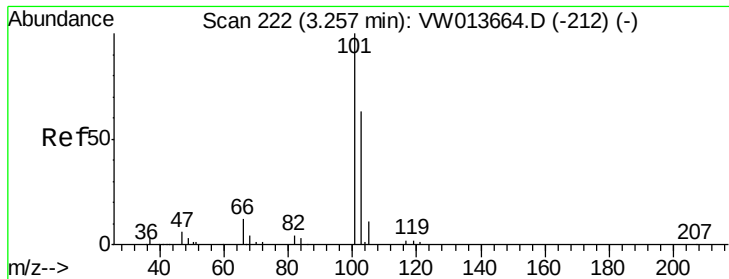
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0

Time-->



2.92



#7

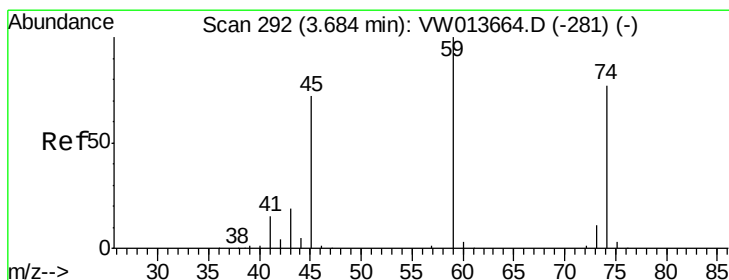
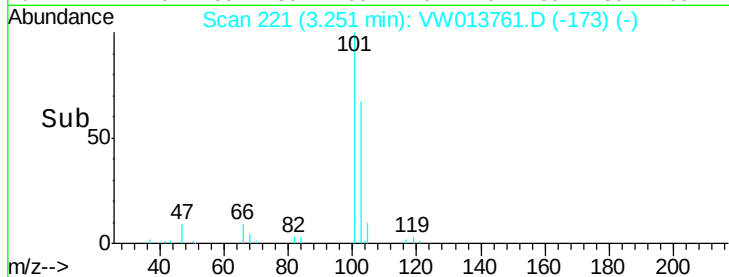
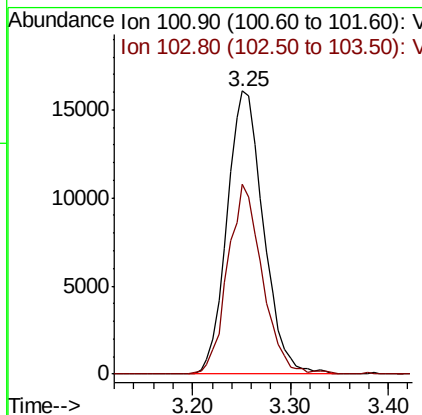
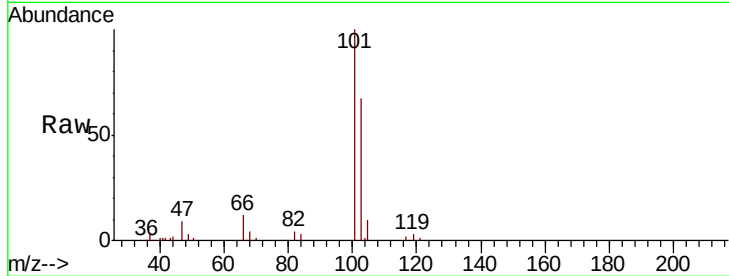
Trichlorofluoromethane
 Concen: 24.211 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
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 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.6	76.0

Manual Integrations
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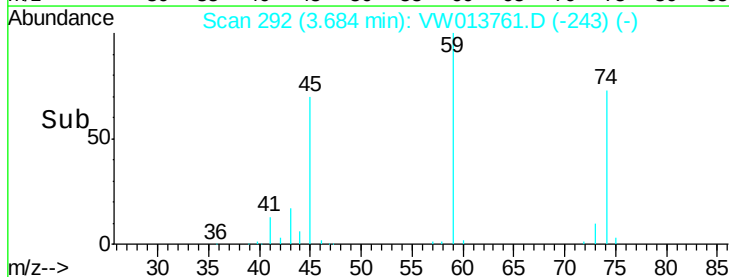
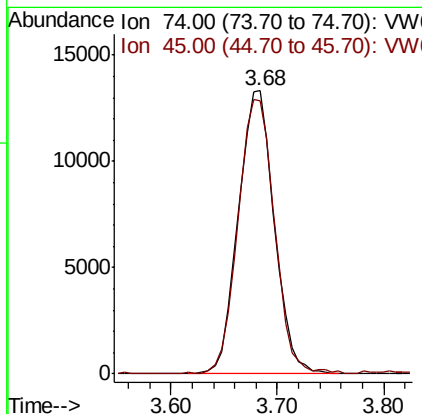
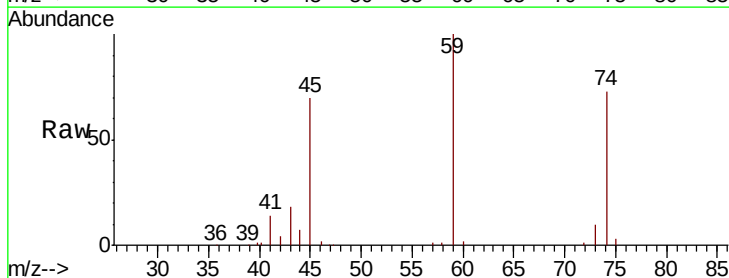
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 10/29/2019 2:05:04 PM

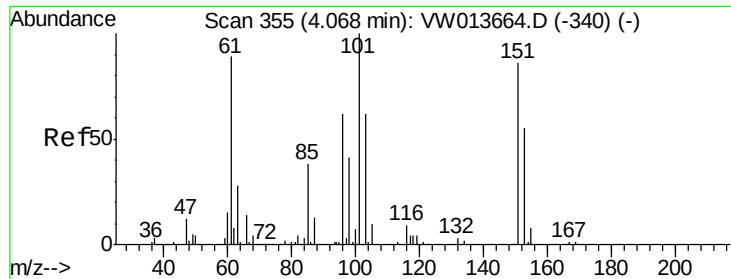


#8

Diethyl Ether
 Concen: 22.813 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.697 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

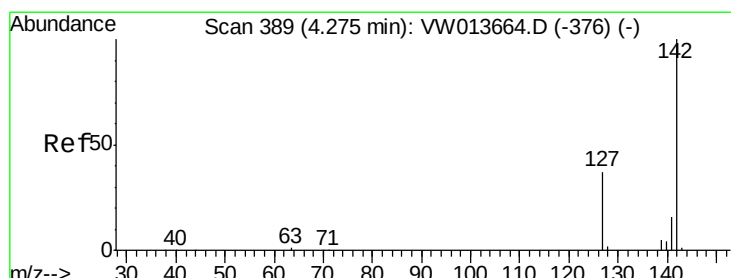
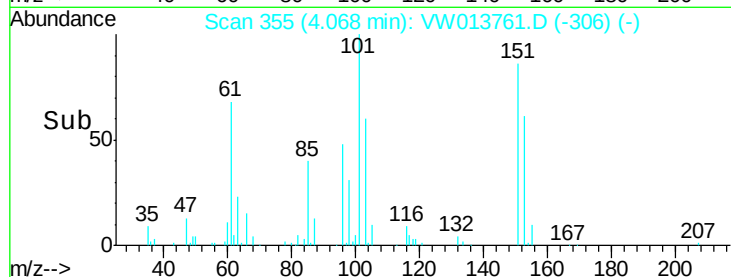
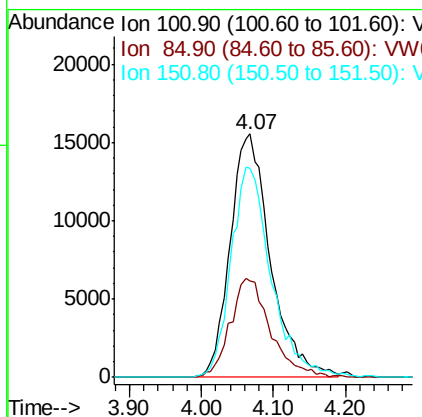
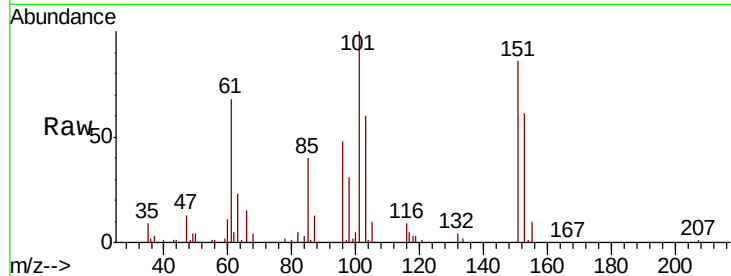
ClientSampleId :

VW1028SBS01

Tot Ion:	101	Resp:	60381
Ion Ratio	Lower	Upper	
101	100		
85	40.6	31.0	46.6
151	86.1	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.894 ug/l

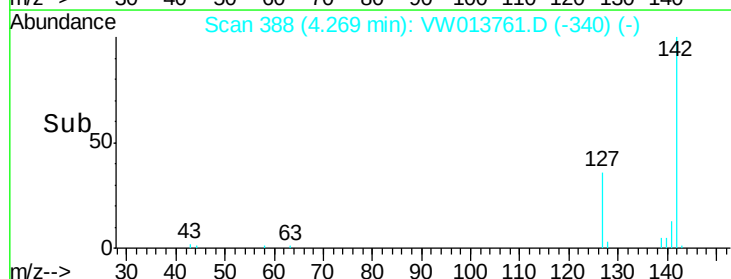
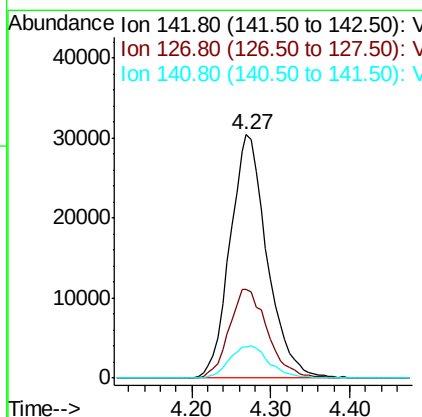
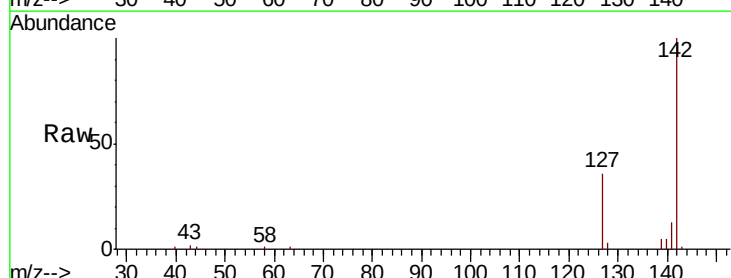
RT: 4.27 min Scan# 388

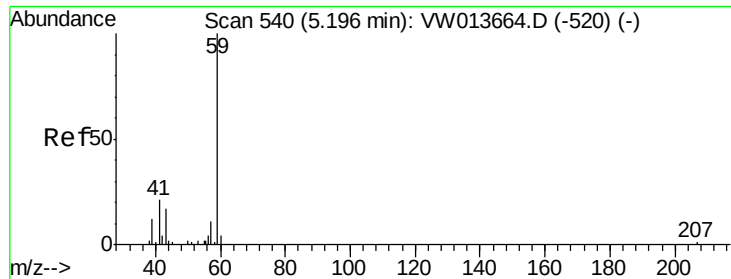
Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	142	Resp:	99290
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.3	45.5
141	14.1	11.8	17.8





#11

Tert butyl alcohol

Concen: 121.232 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.03 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W

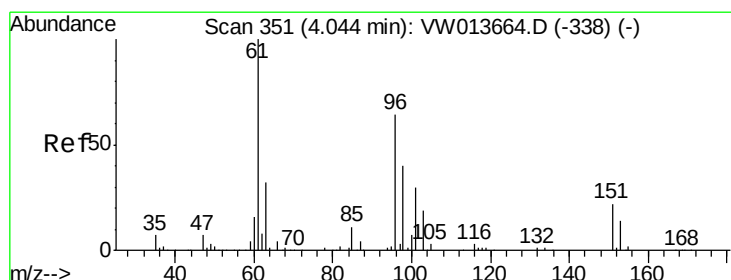
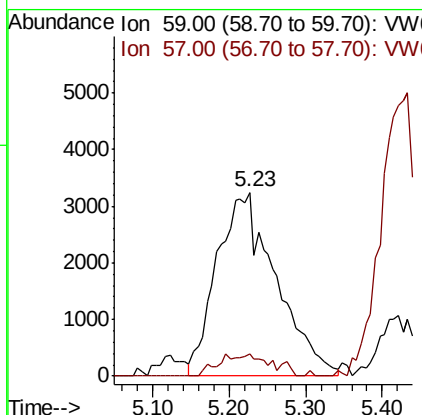
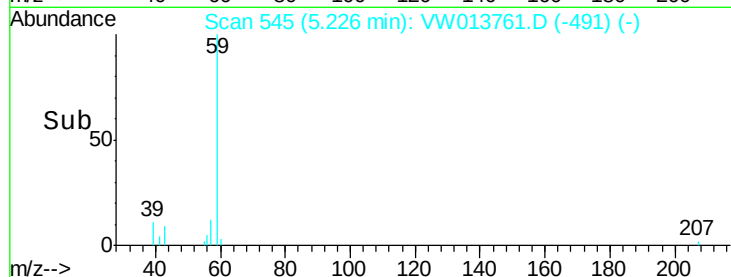
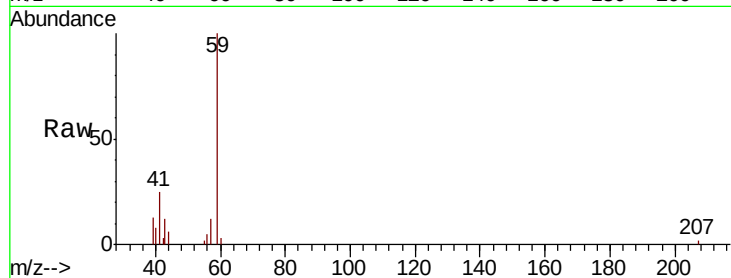
ClientSampleId :
VW1028SBS01

Tot Ion: 59 Resp: 17402

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

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#12

1,1-Dichloroethene

Concen: 22.255 ug/l

RT: 4.04 min Scan# 351

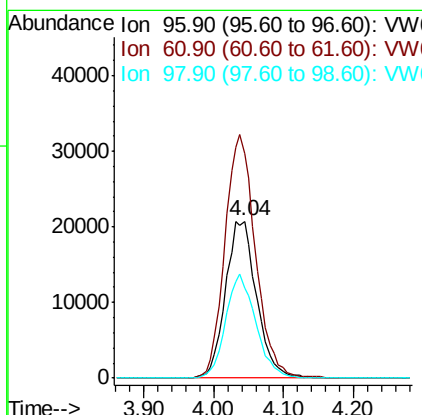
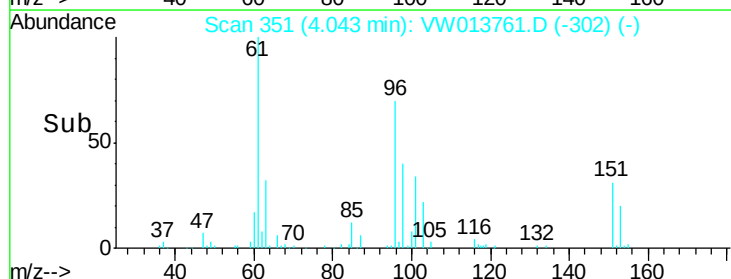
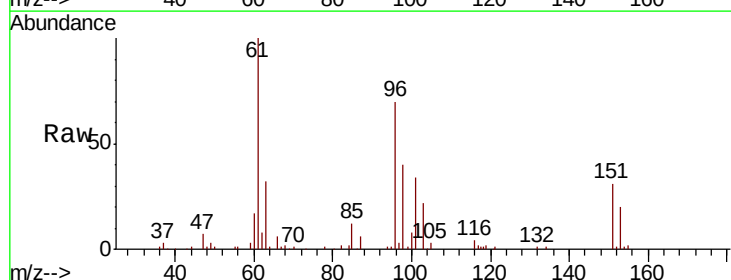
Delta R.T. -0.00 min

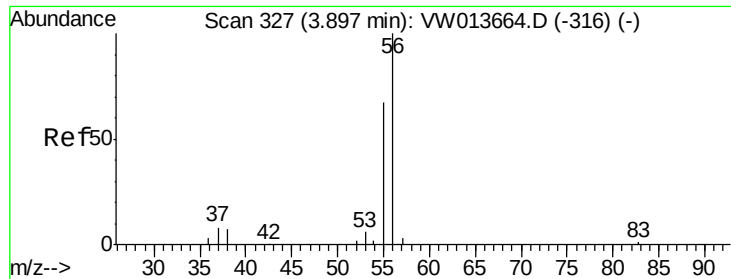
Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion: 96 Resp: 63975

Ion	Ratio	Lower	Upper
96	100		
61	142.8	125.0	187.6
98	57.8	50.3	75.5





#13

Acrolein

Concen: 93.857 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 56 Resp: 15435

Ion Ratio Lower Upper

56 100

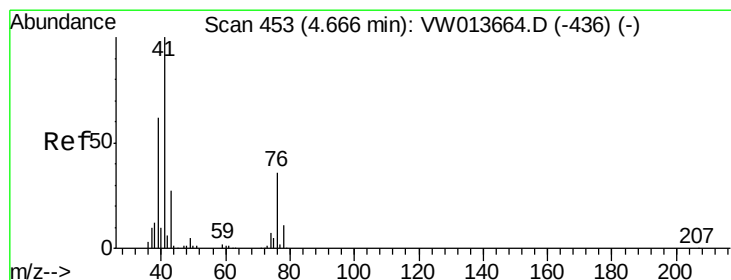
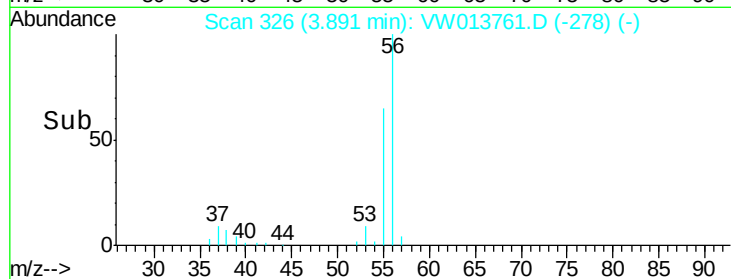
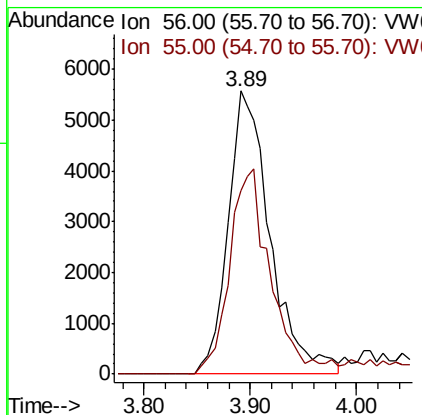
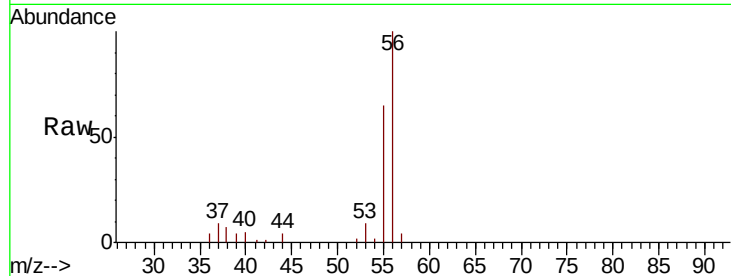
55 69.5 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.634 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

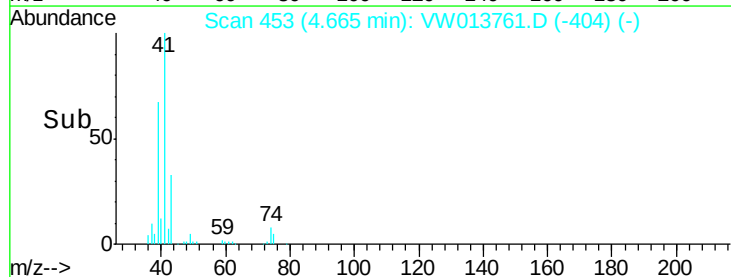
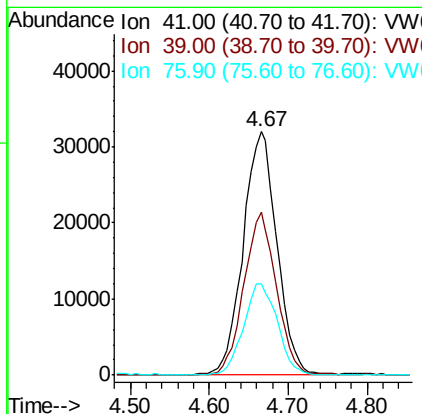
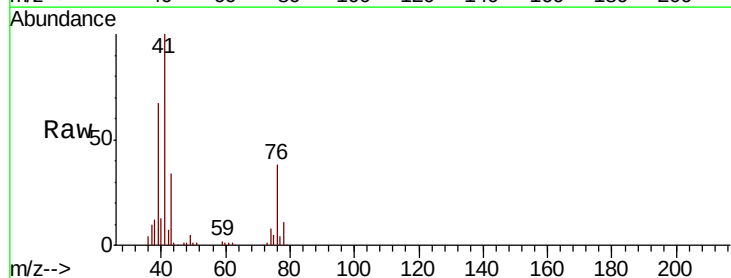
Tgt Ion: 41 Resp: 95627

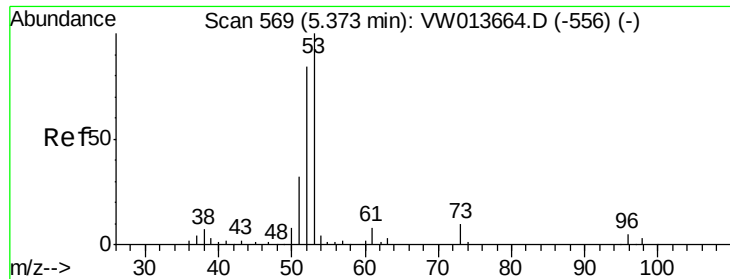
Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

76 37.3 29.6 44.4





#15

Acrylonitrile

Concen: 116.670 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

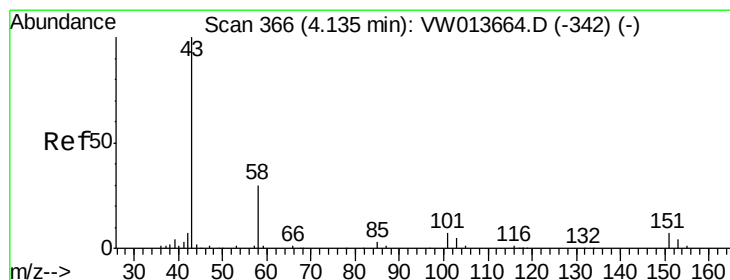
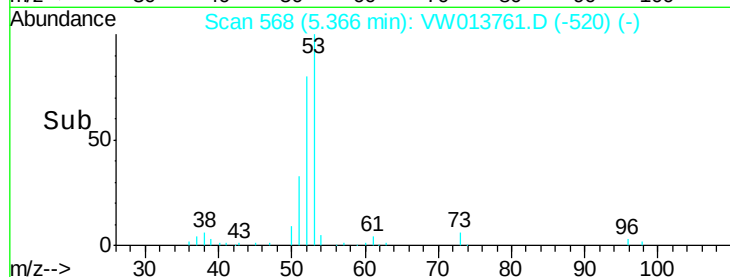
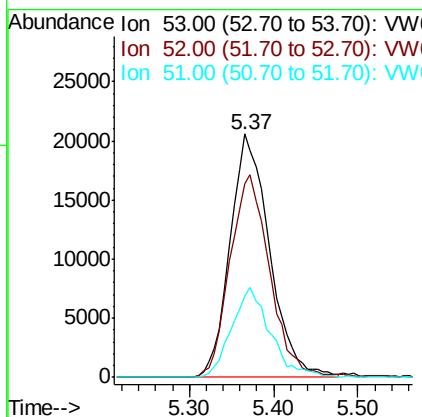
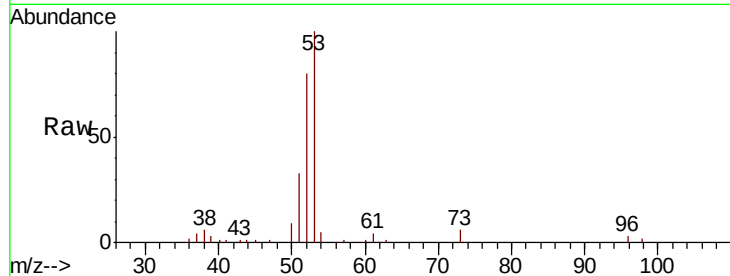
ClientSampleId :

VW1028SBS01

Tot Ion:	53	Resp:	65613
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.0
51	36.1	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 107.830 ug/l

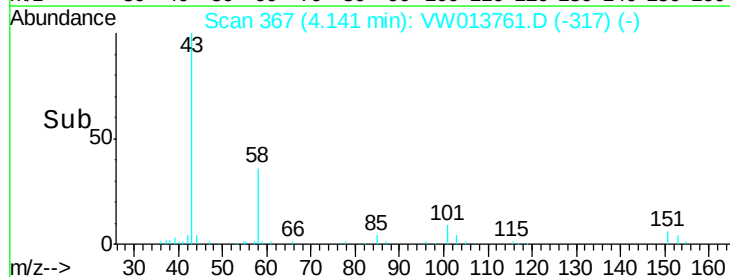
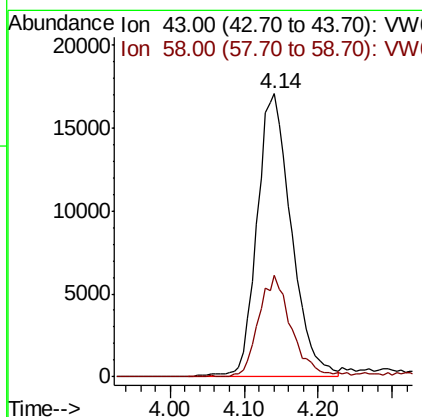
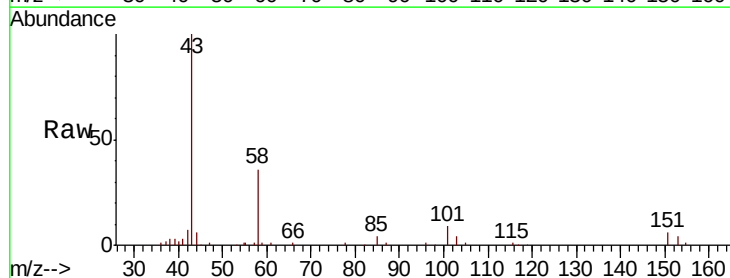
RT: 4.14 min Scan# 367

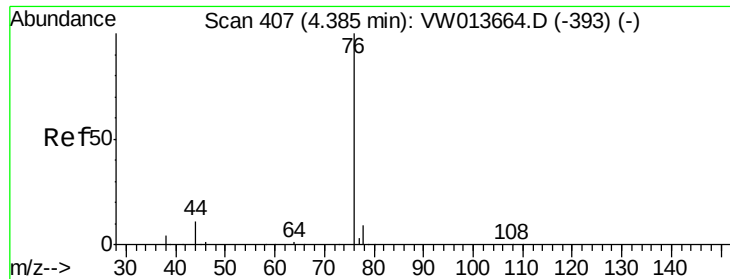
Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	43	Resp:	54975
Ion	Ratio	Lower	Upper
43	100		
58	36.0	24.1	36.1





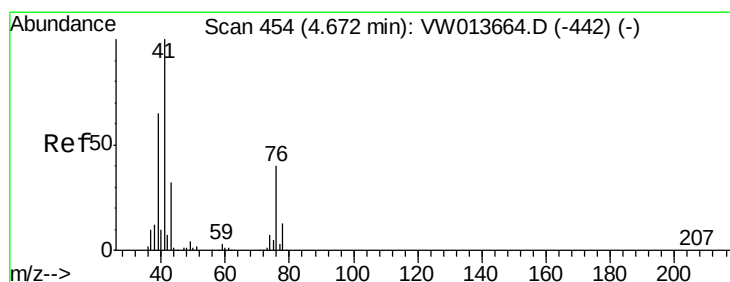
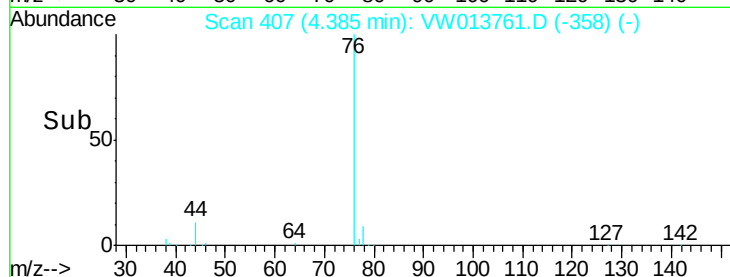
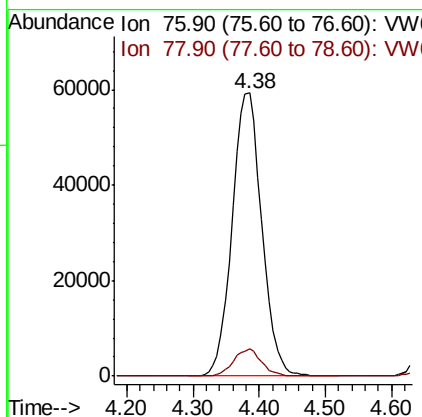
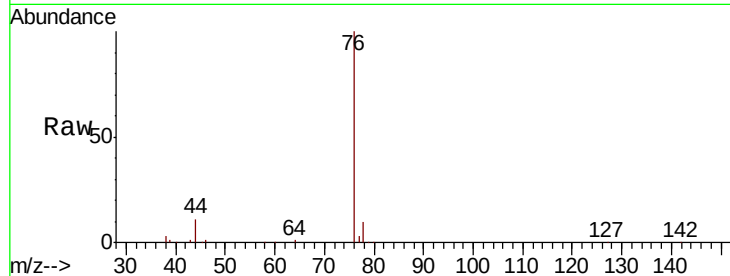
#17
Carbon Disulfide
Concen: 22.275 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

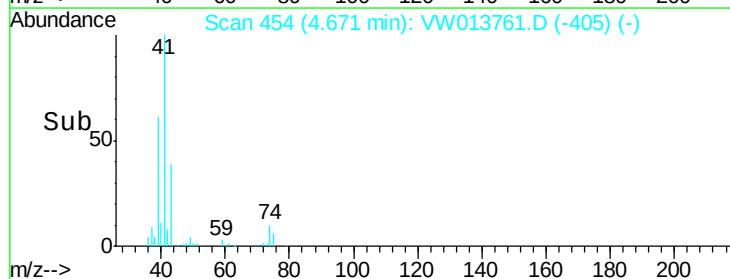
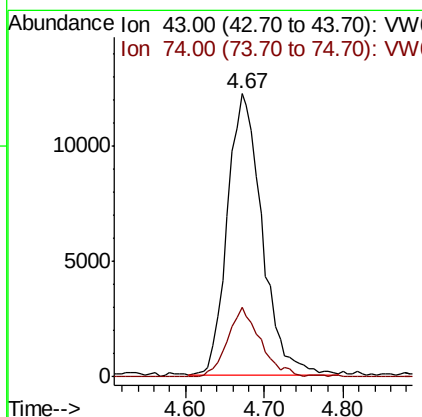
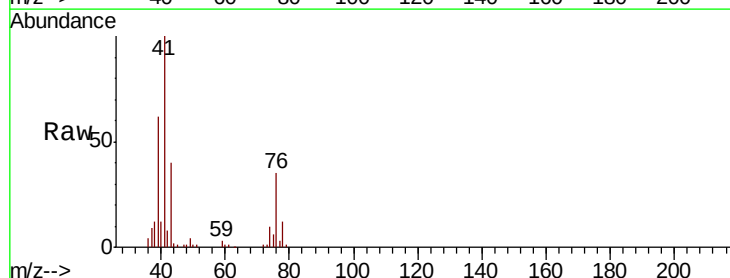
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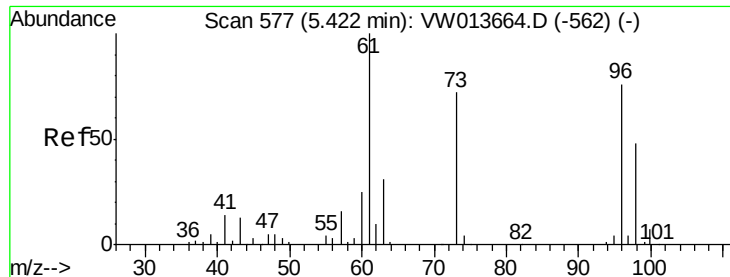
MMDadoda
10/29/2019 2:05:04 PM



#18
Methyl Acetate
Concen: 26.684 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.8	29.8





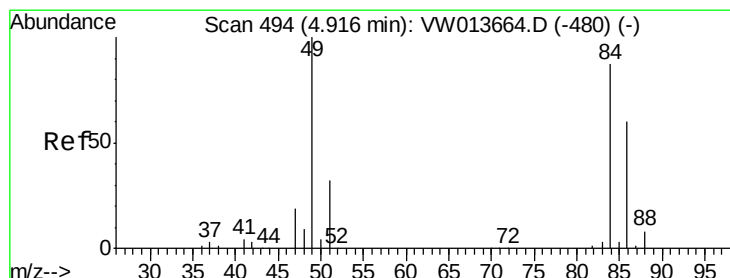
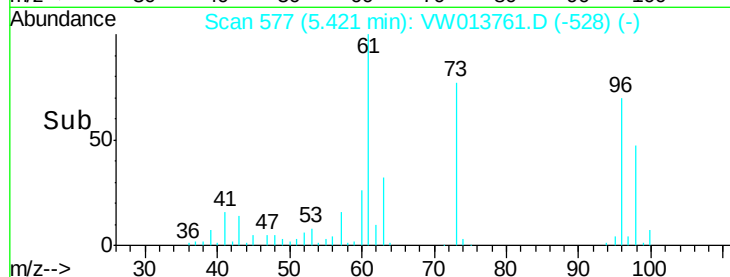
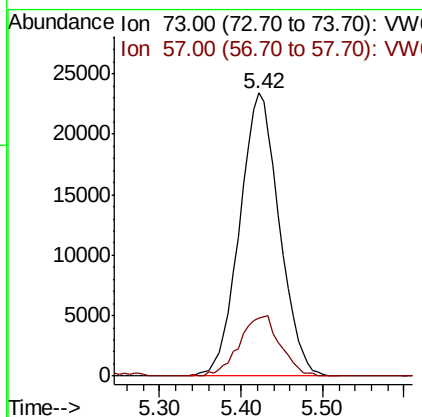
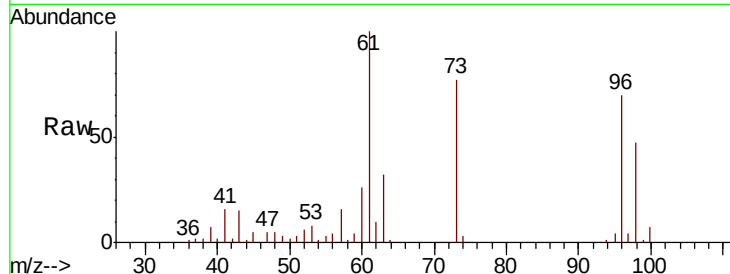
#19
Methyl tert-butyl Ether
Concen: 22.894 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion: 73 Resp: 78976
Ion Ratio Lower Upper
73 100
57 20.4 17.6 26.4

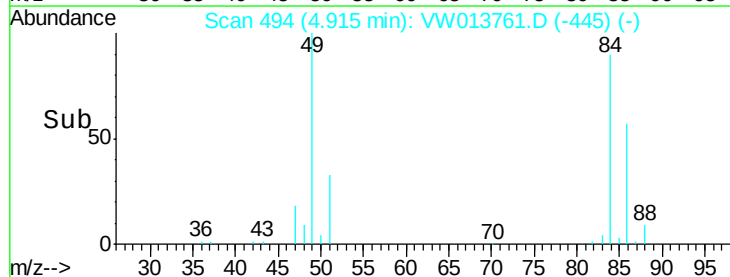
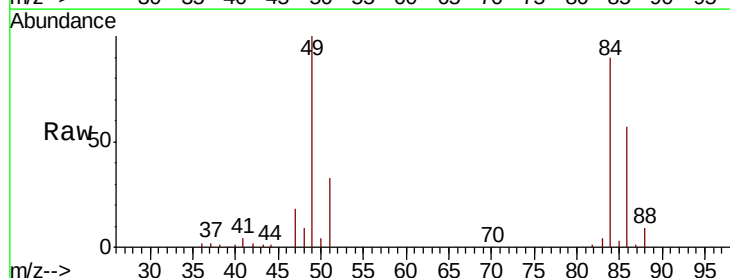
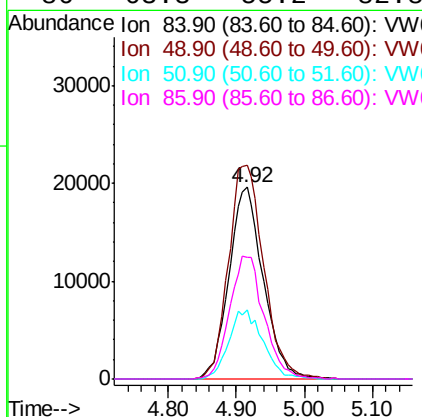
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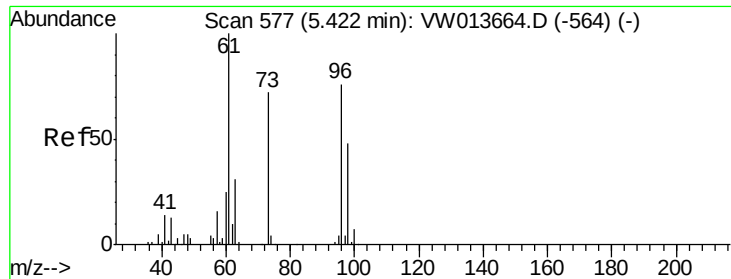
MMDadoda
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#20
Methylene Chloride
Concen: 21.696 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 84 Resp: 68399
Ion Ratio Lower Upper
84 100
49 111.5 91.8 137.6
51 36.3 29.8 44.6
86 63.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 22.232 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

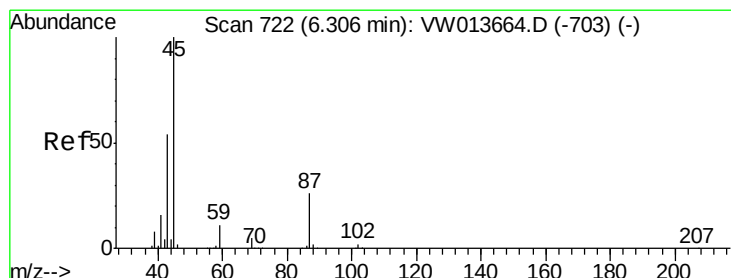
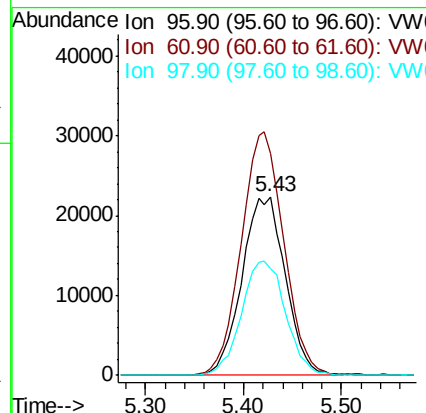
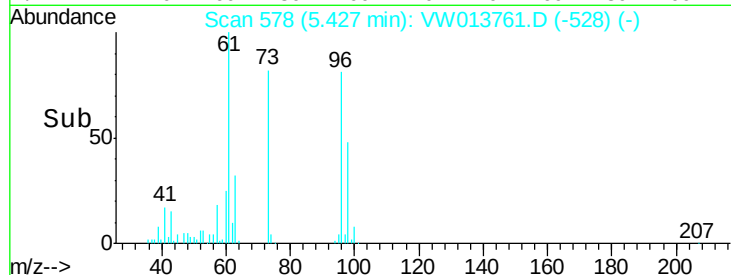
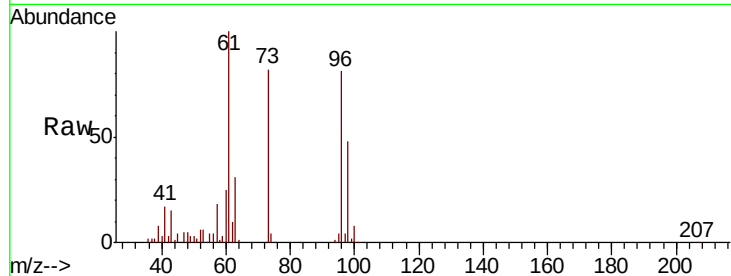
ClientSampleId :

VW1028SBS01

Tot Ion:	96	Resp:	68785
Ion	Ratio	Lower	Upper
96	100		
61	123.7	104.8	157.2
98	59.6	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.681 ug/l

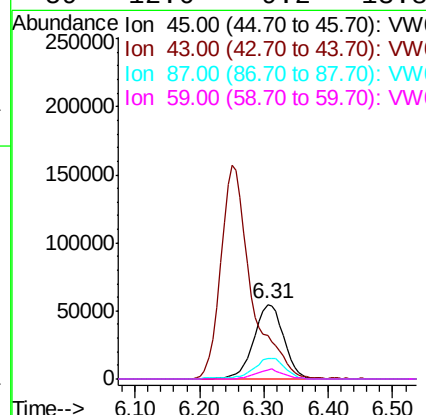
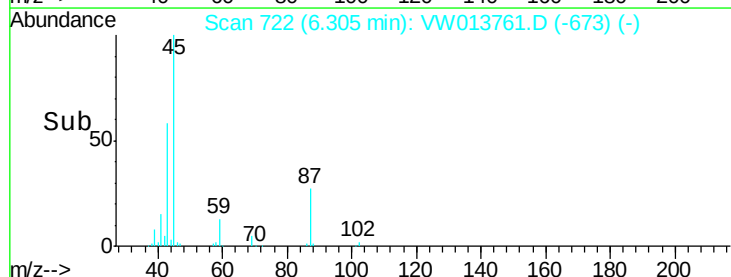
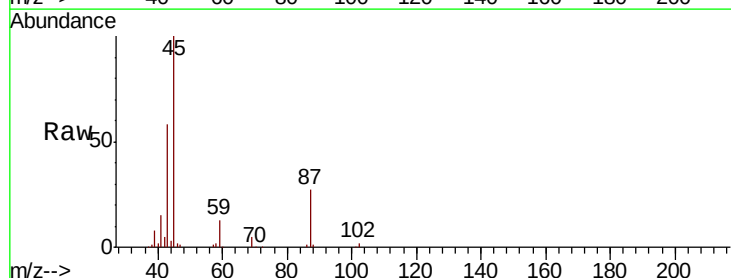
RT: 6.31 min Scan# 722

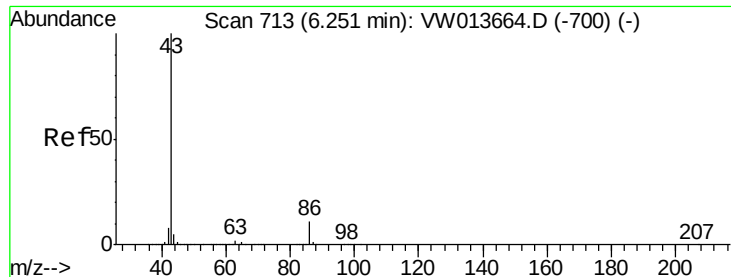
Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	45	Resp:	174814
Ion	Ratio	Lower	Upper
45	100		
43	58.0	43.4	65.2
87	26.8	21.5	32.3
59	12.6	9.2	13.8





#23

Vinyl Acetate

Concen: 110.909 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 43 Resp: 518888

Ion Ratio Lower Upper

43 100

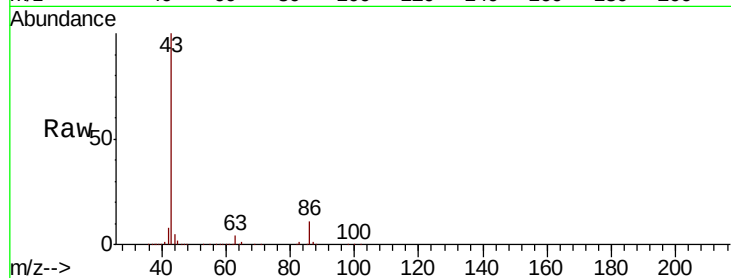
86 11.1 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

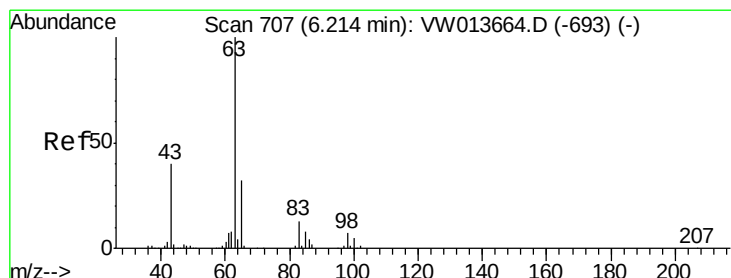
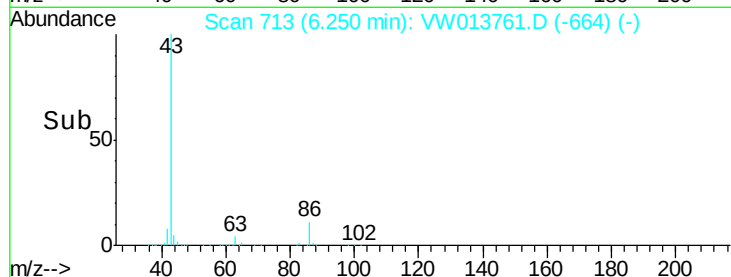
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.031 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

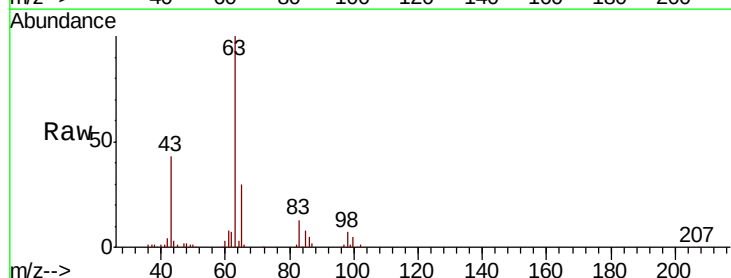
Tgt Ion: 63 Resp: 112501

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

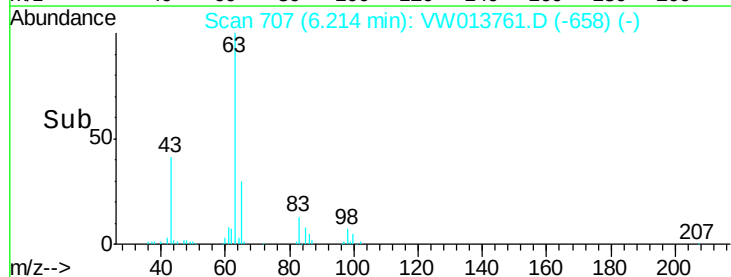
30000

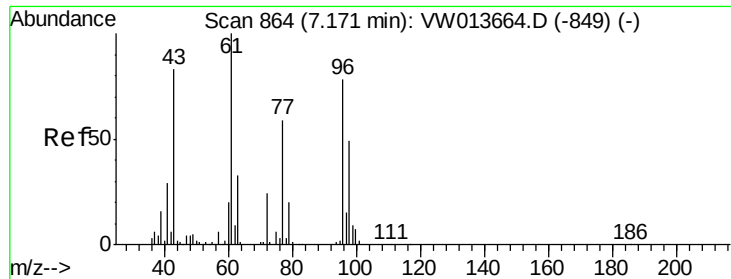
20000

10000

0

Time-->





#25

2-Butanone

Concen: 111.197 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 43 Resp: 81505

Ion Ratio Lower Upper

43 100

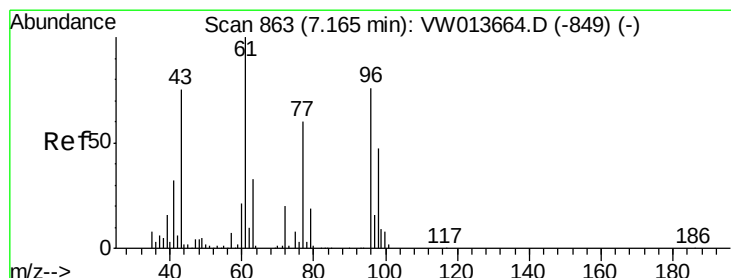
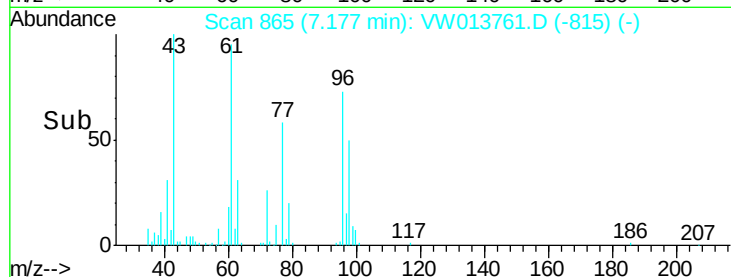
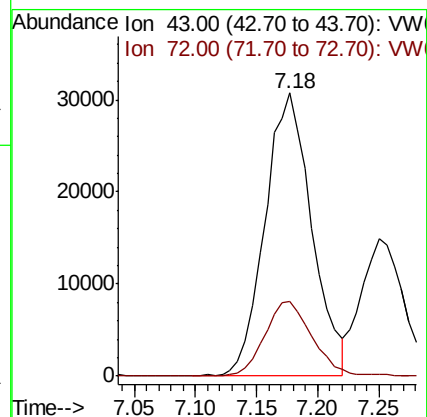
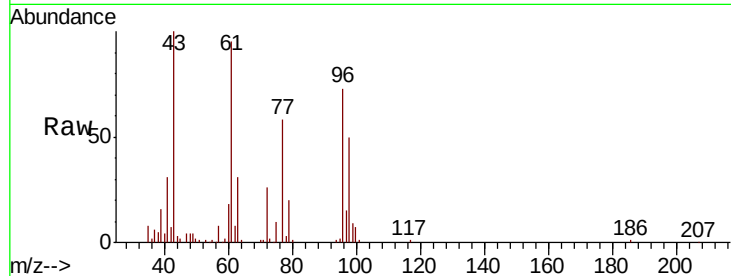
72 26.4 23.6 35.4

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 22.341 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013761.D

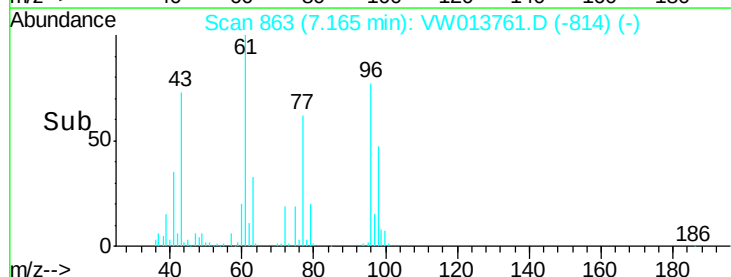
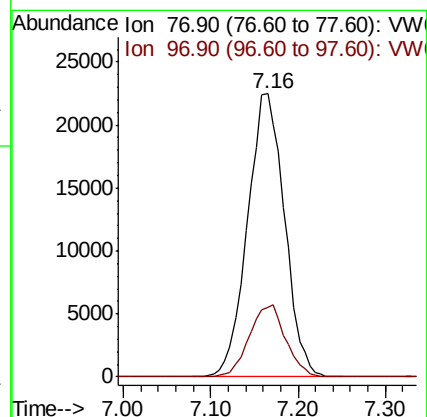
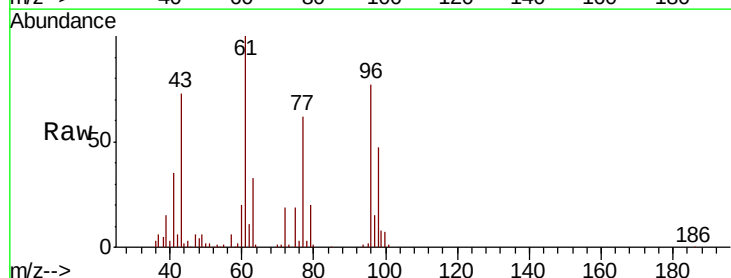
Acq: 28 Oct 2019 12:55

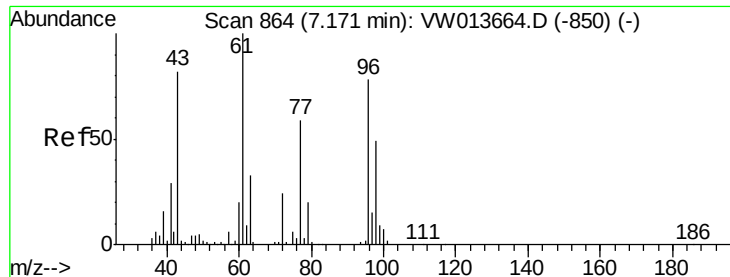
Tgt Ion: 77 Resp: 65969

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4





#27

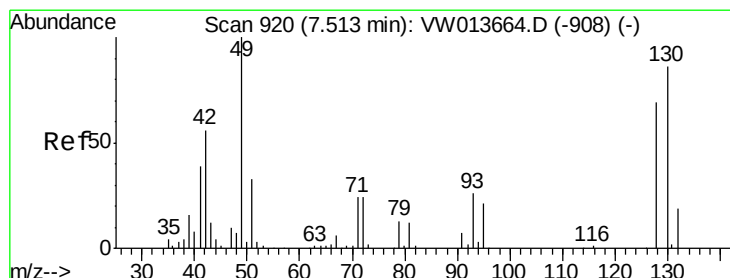
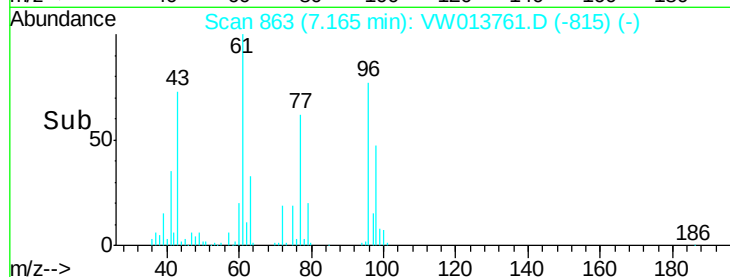
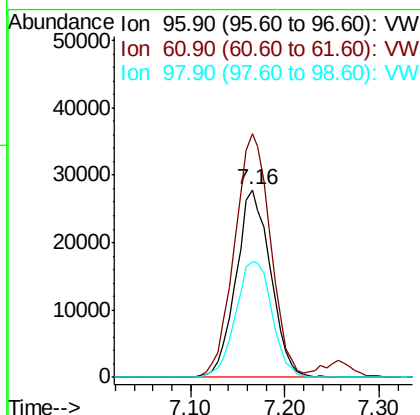
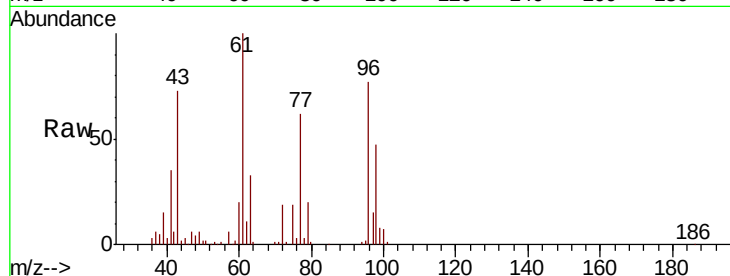
cis-1,2-Dichloroethene
Concen: 21.612 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	266.0
98	65.2	0.0	126.8

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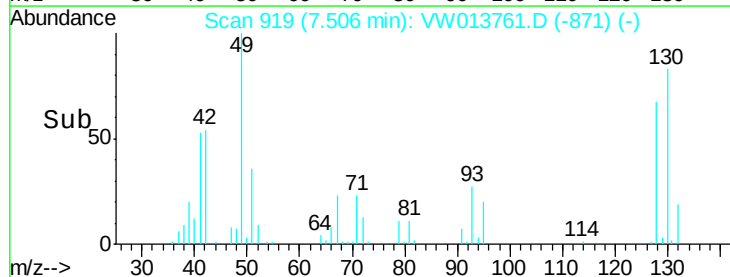
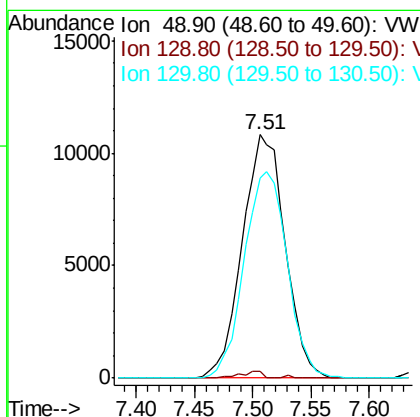
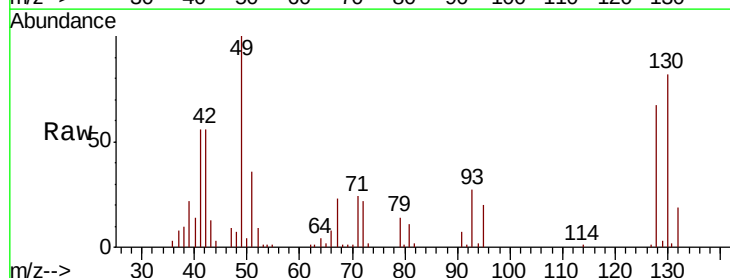
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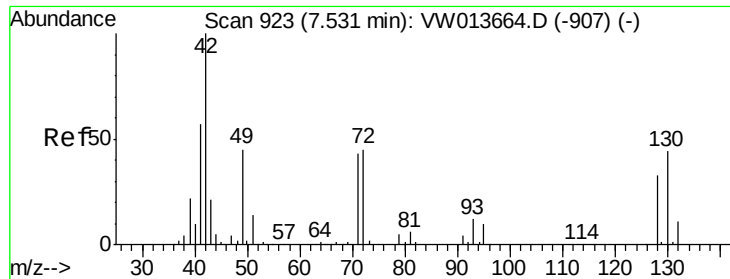


#28

Bromochloromethane
Concen: 16.174 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	0.6#
130	85.5	67.5	101.3





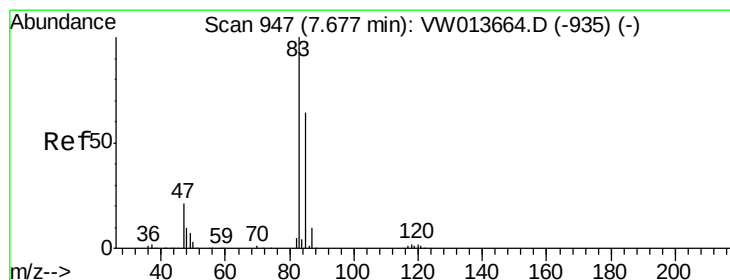
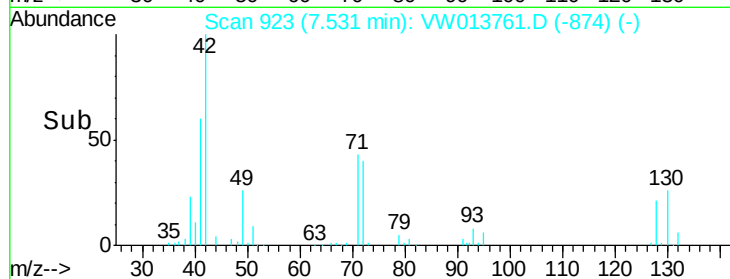
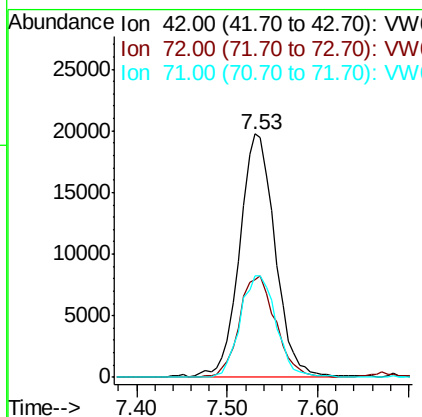
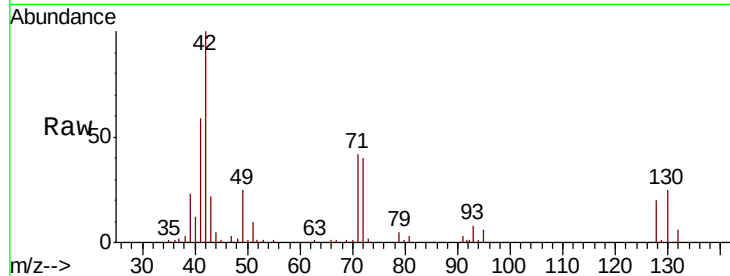
#29
Tetrahydrofuran
Concen: 116.396 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.3	52.9
71	42.9	33.3	49.9

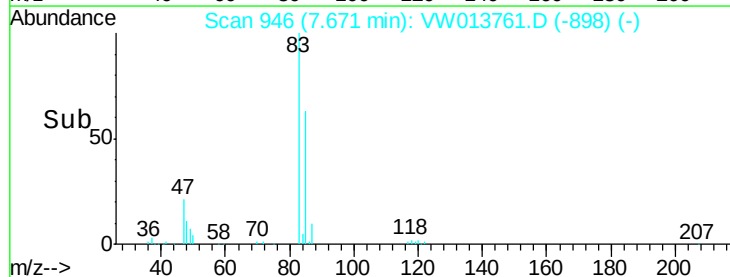
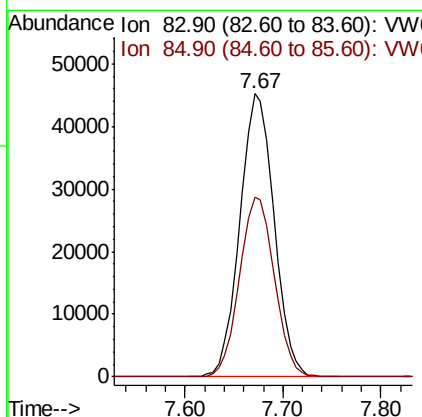
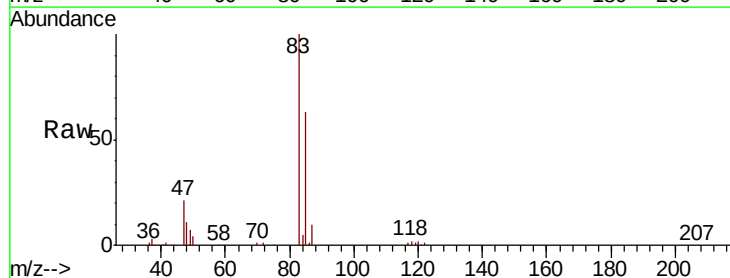
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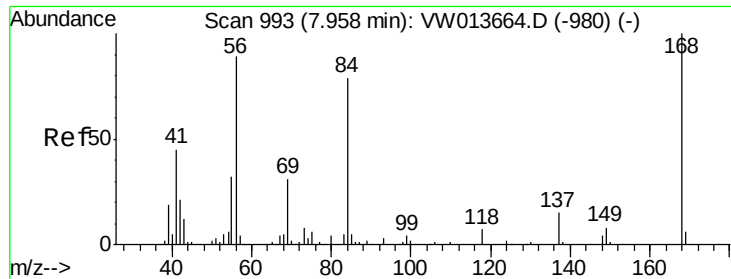
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#30
Chloroform
Concen: 21.740 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





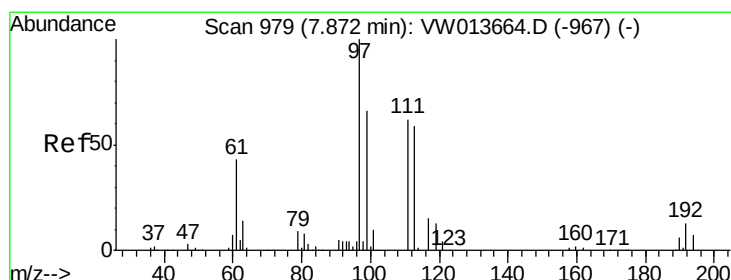
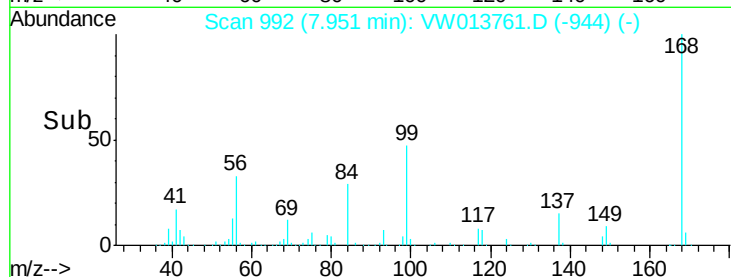
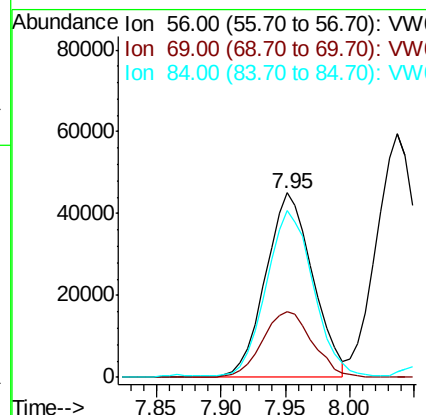
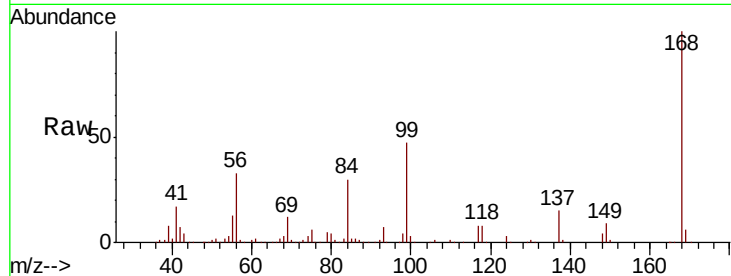
#31
Cyclohexane
Concen: 21.403 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	27.5	41.3
84	89.6	70.8	106.2

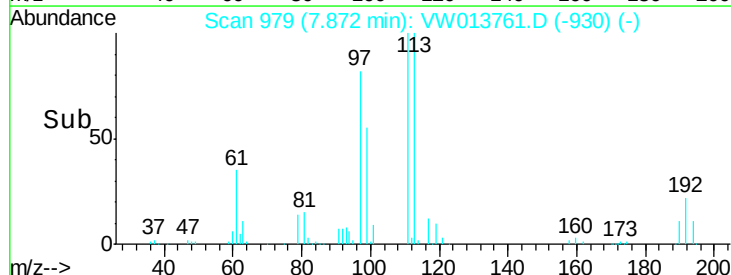
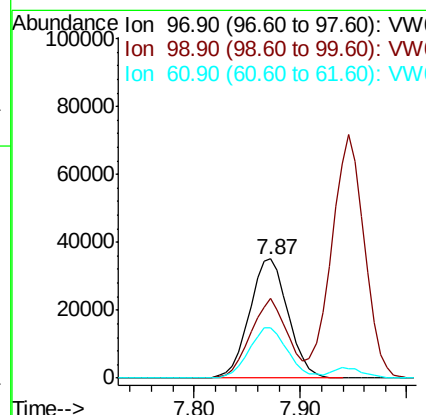
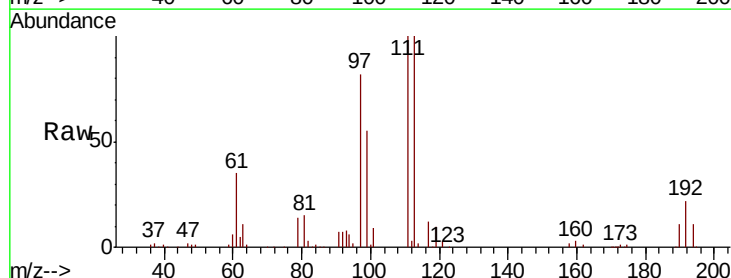
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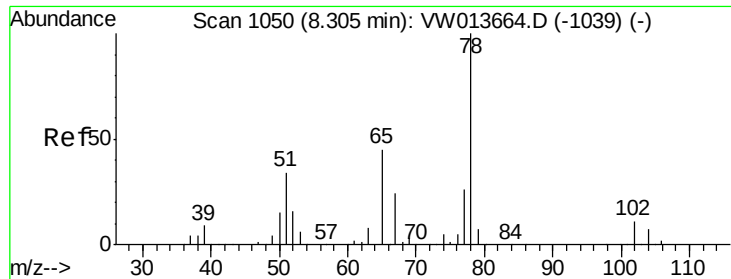
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#32
1,1,1-Trichloroethane
Concen: 22.536 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.0	78.0
61	42.9	33.8	50.6





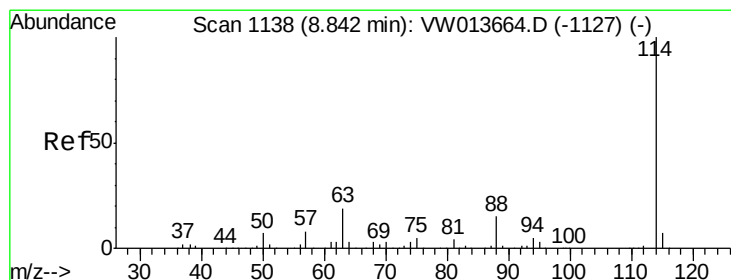
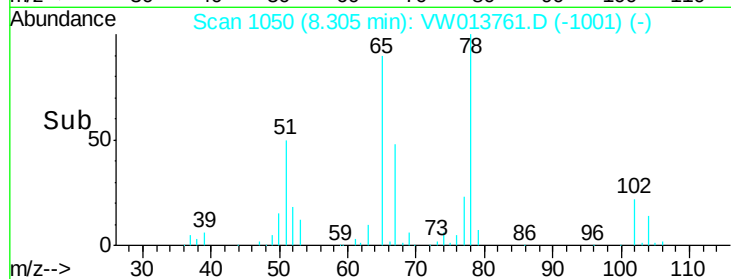
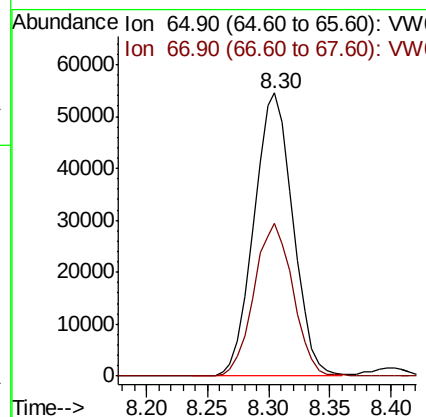
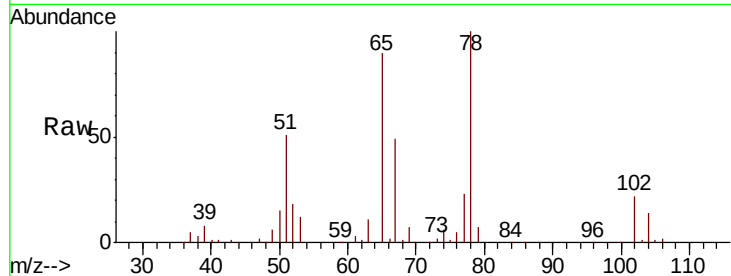
#33
 1,2-Dichloroethane-d4
 Concen: 50.182 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120663		
67	54.0	0.0	109.4	

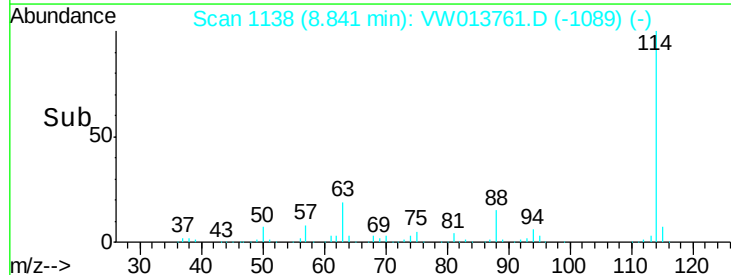
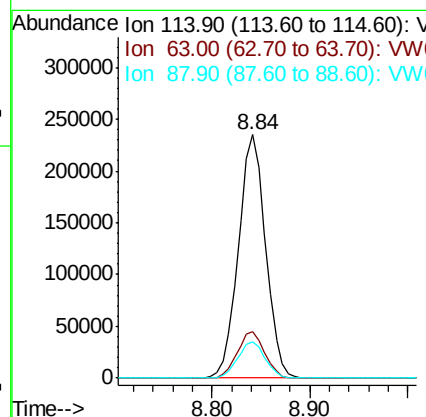
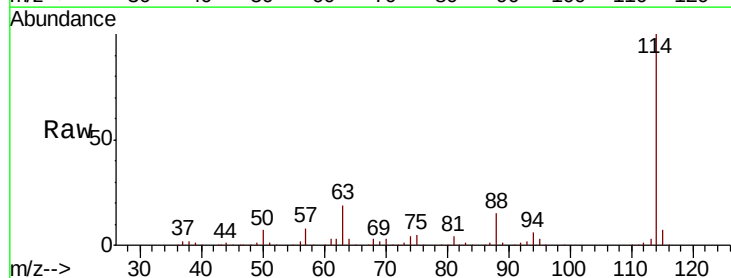
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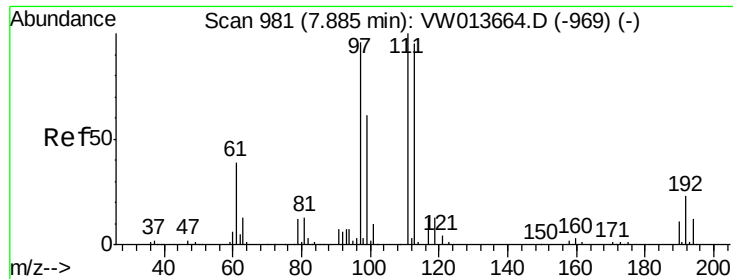
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451901		
63	18.9	0.0	37.6	
88	14.9	0.0	30.2	





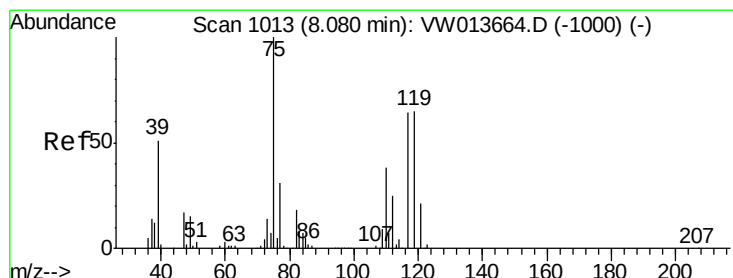
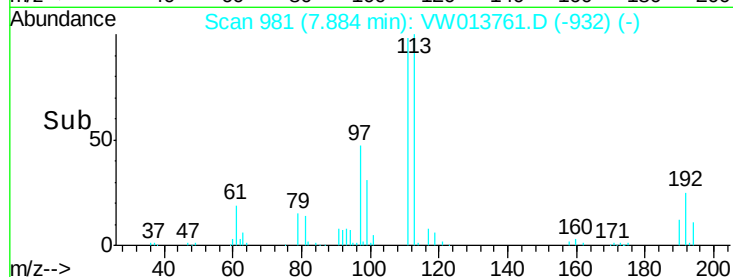
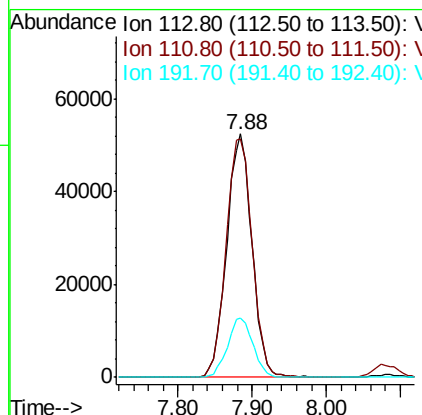
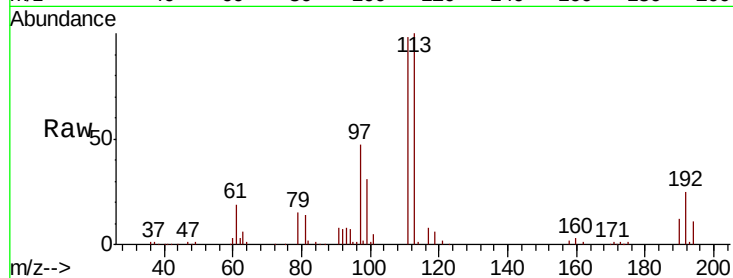
#35
 Dibromofluoromethane
 Concen: 49.263 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123701		
111	101.8	83.0	124.6	
192	24.4	19.4	29.2	

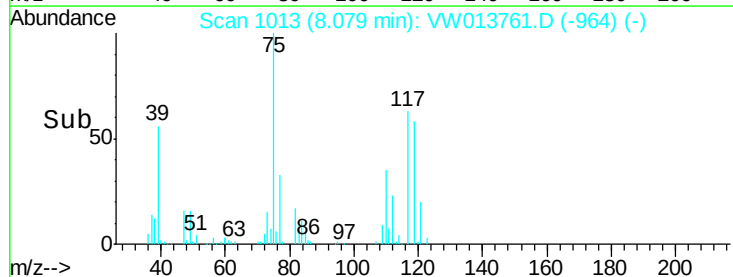
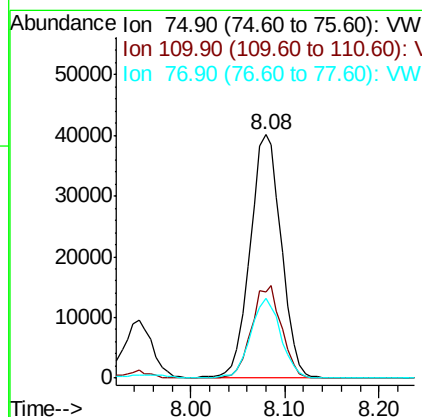
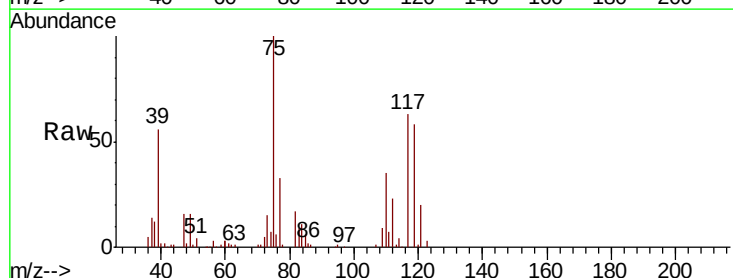
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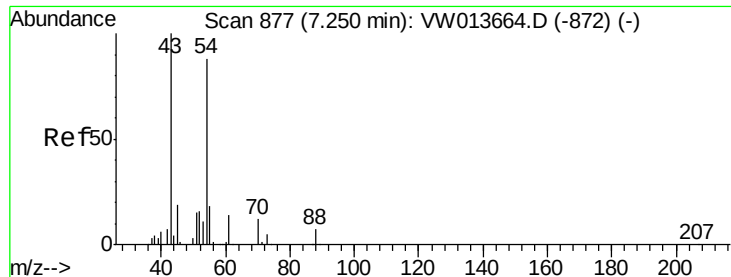
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#36
 1,1-Dichloropropene
 Concen: 22.225 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93537		
110	36.5	18.7	56.1	
77	31.9	25.4	38.0	





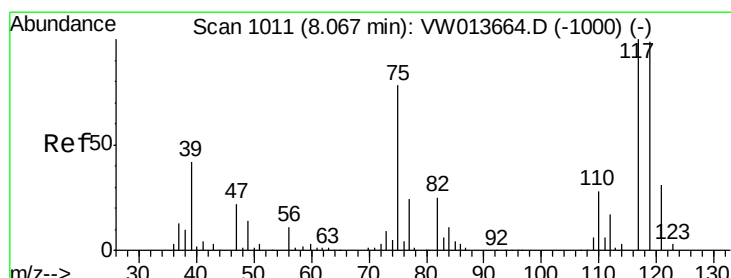
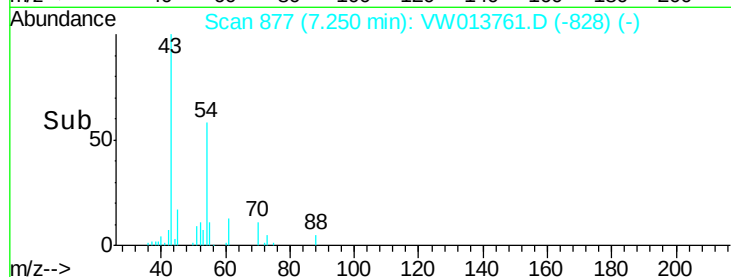
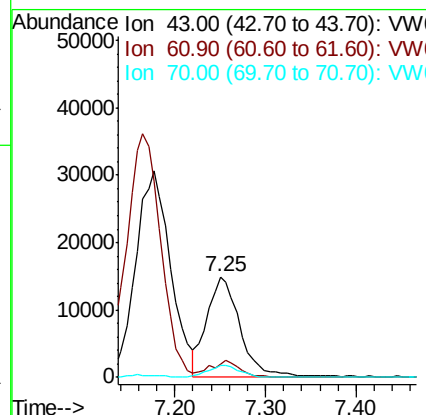
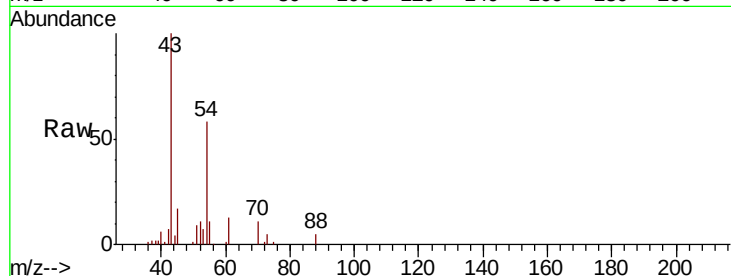
#37
Ethyl Acetate
Concen: 23.180 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.7	17.5
70	11.8	8.8	13.2

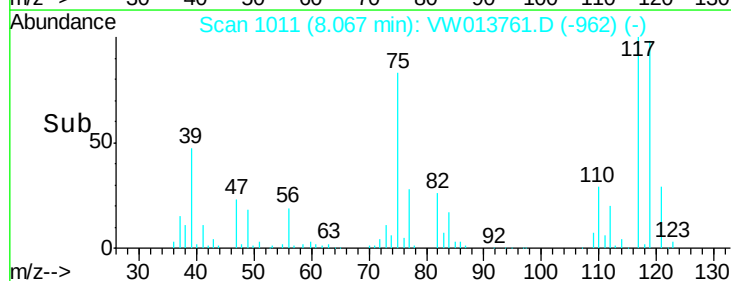
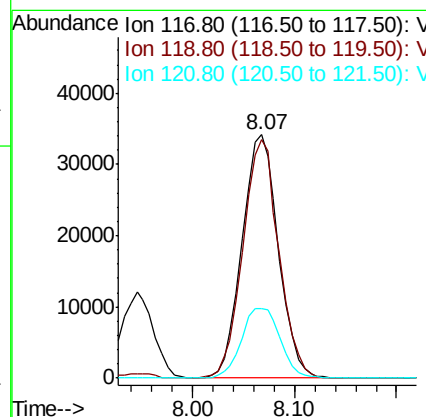
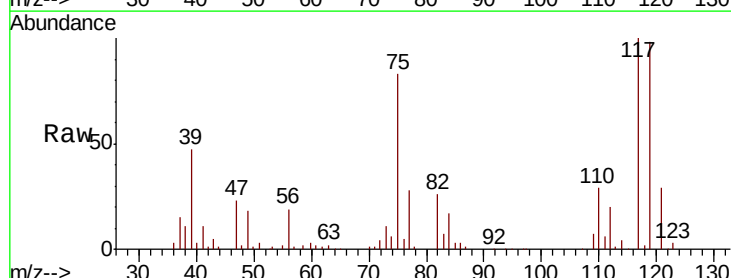
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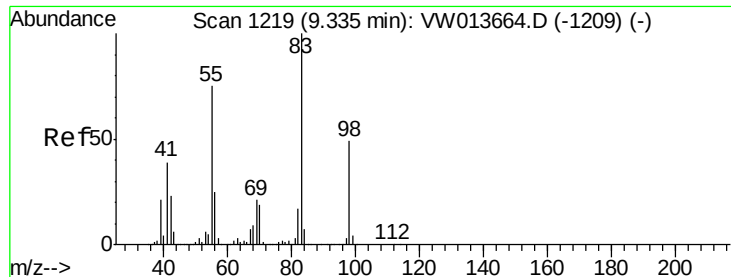
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#38
Carbon Tetrachloride
Concen: 22.263 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	79.0	118.4
121	28.6	24.5	36.7





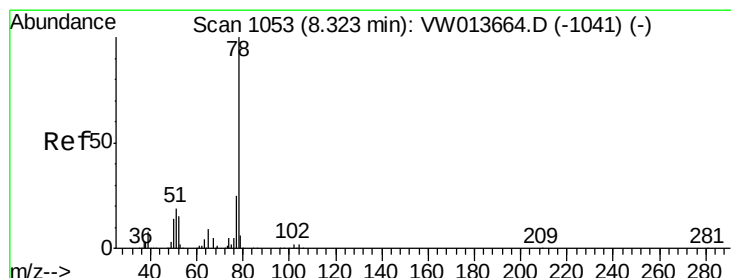
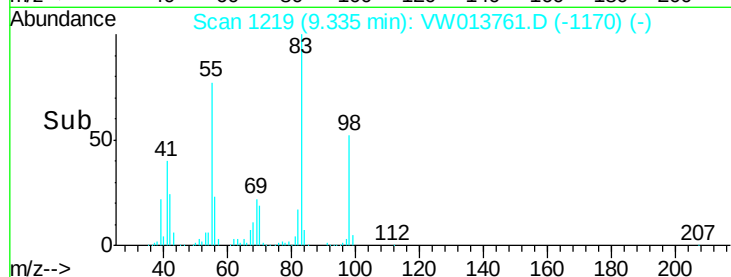
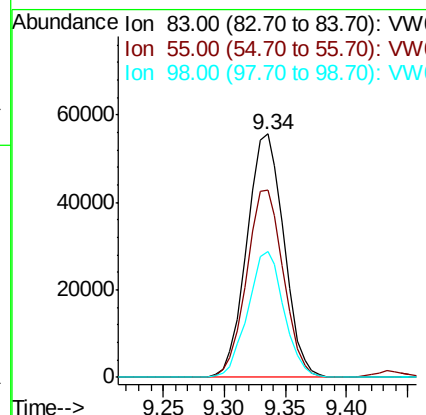
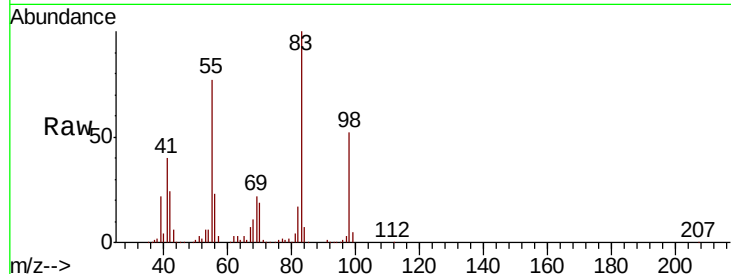
#39
Methylvlcyclohexane
Concen: 21.564 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	59.9	89.9
98	51.6	39.4	59.2

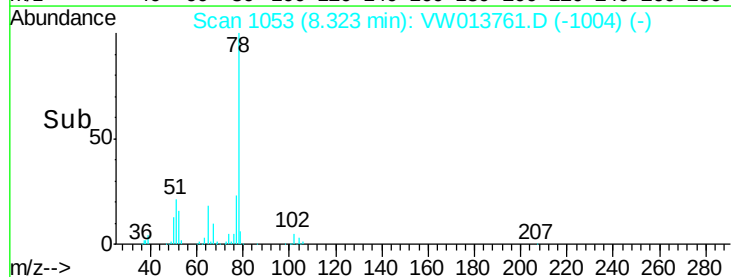
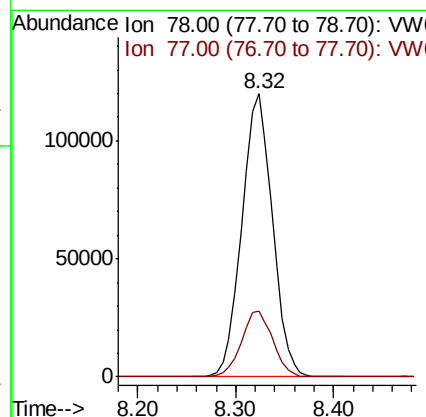
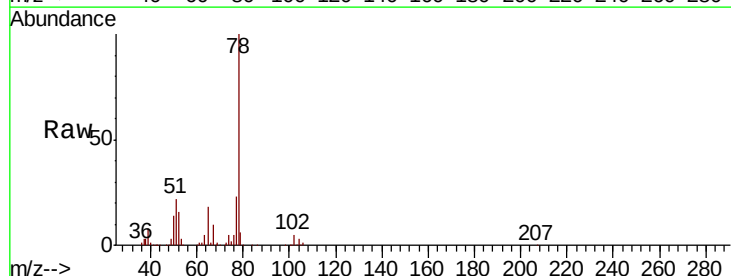
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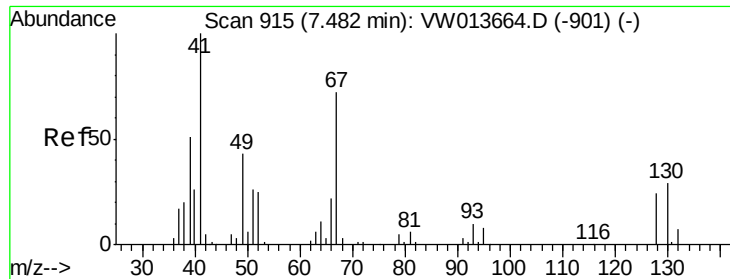
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#40
Benzene
Concen: 21.860 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.6	29.4





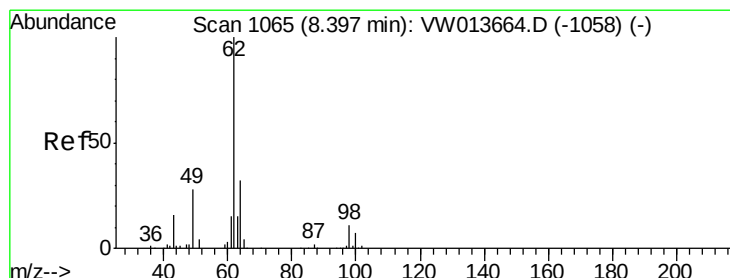
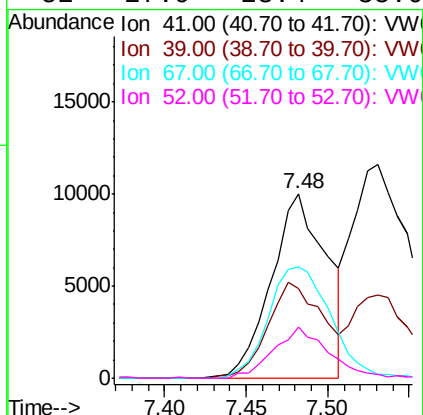
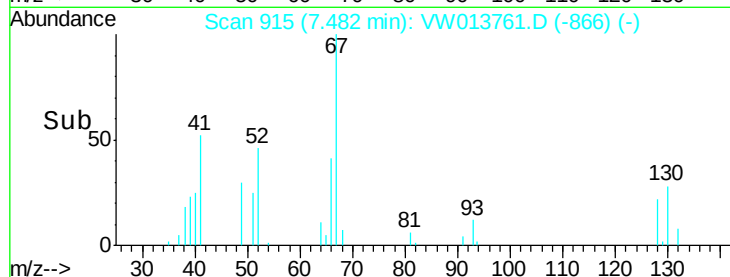
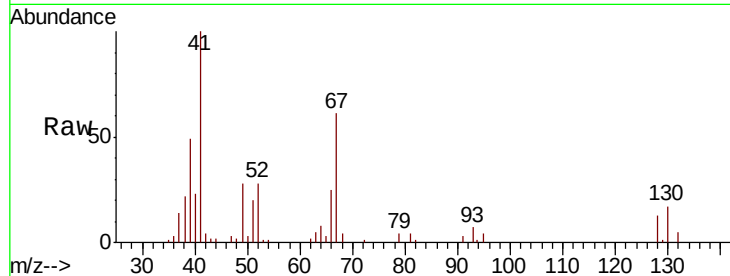
#41
Methacrylonitrile
Concen: 23.452 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	44.8	67.2	
67	68.4	59.3	88.9	
52	27.9	23.4	35.0	

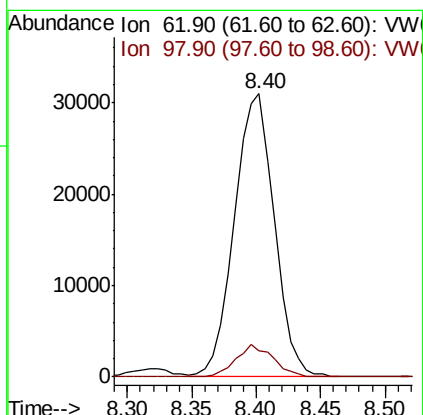
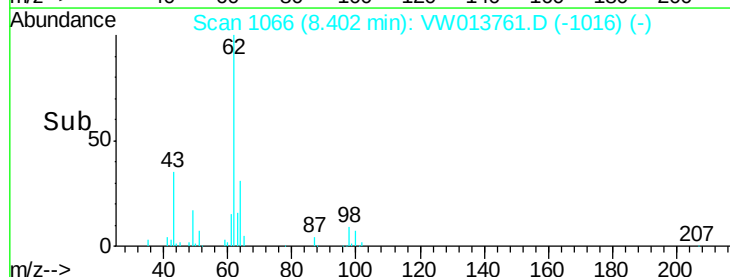
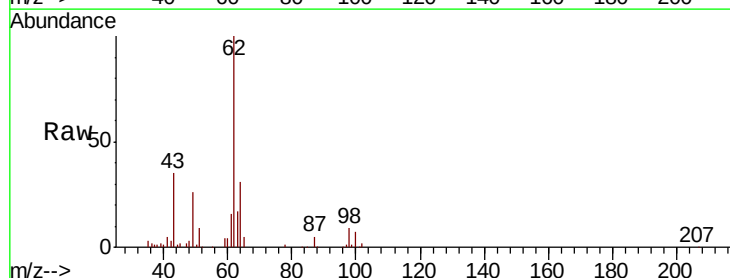
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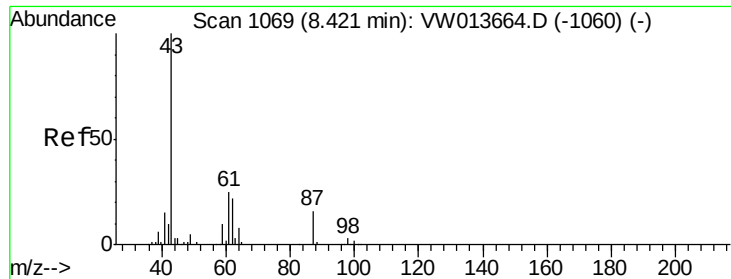
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#42
1,2-Dichloroethane
Concen: 22.236 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	22.4	





#43

Isopropyl Acetate

Concen: 23.270 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

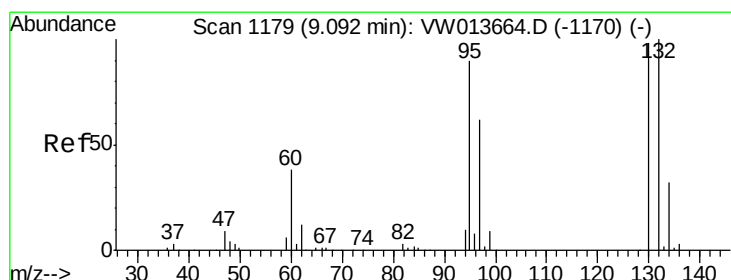
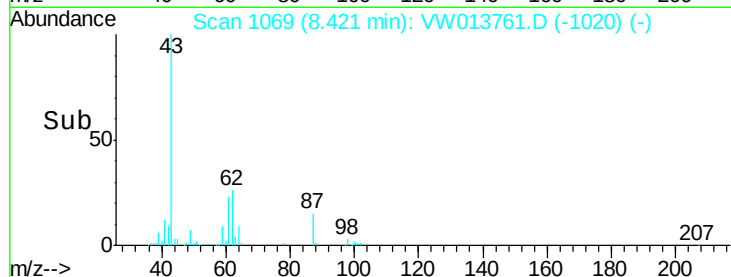
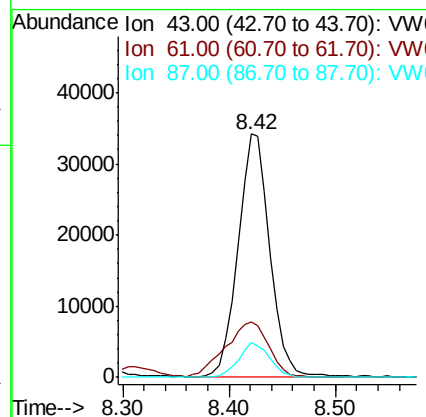
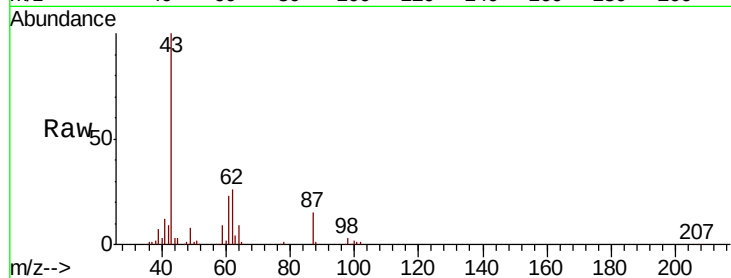
ClientSampleId :

VW1028SBS01

Tot Ion:	43	Resp:	71759
Ion	Ratio	Lower	Upper
43	100		
61	30.9	26.1	39.1
87	13.8	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.890 ug/l

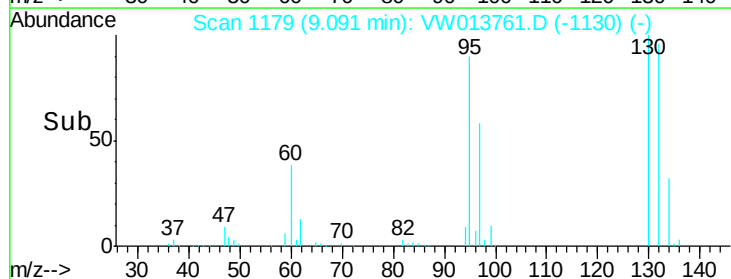
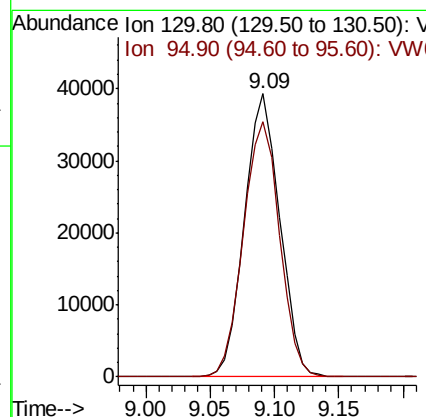
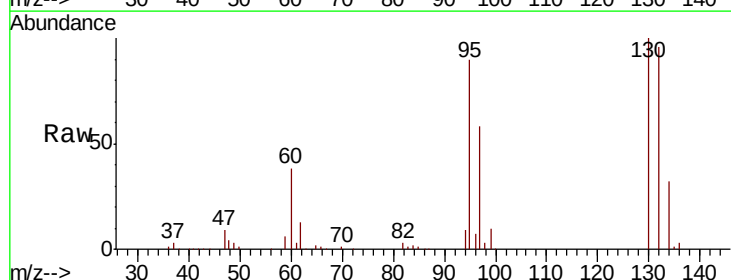
RT: 9.09 min Scan# 1179

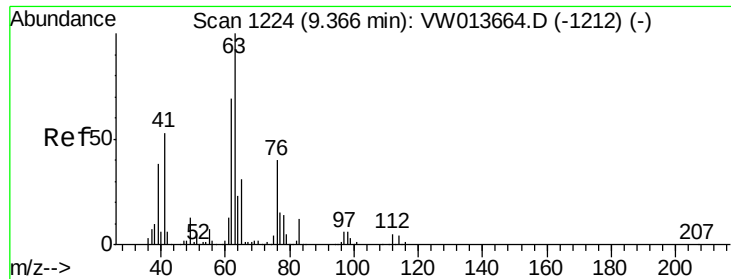
Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	130	Resp:	74681
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	184.6





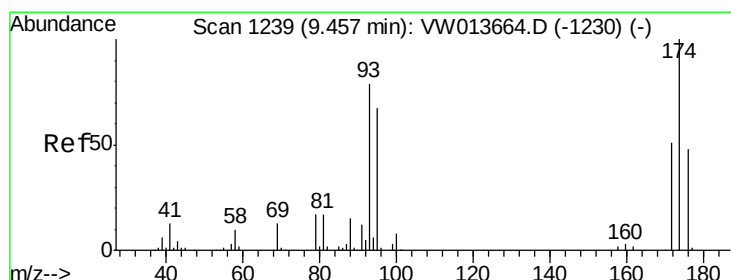
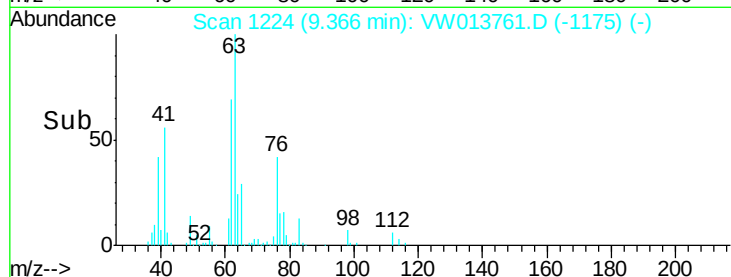
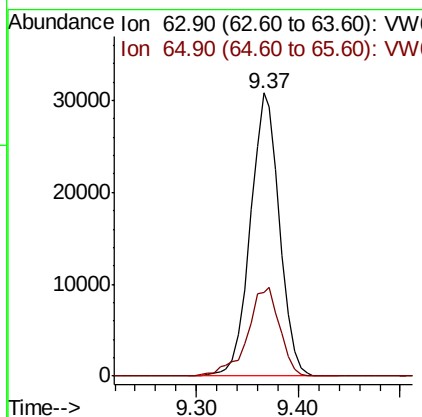
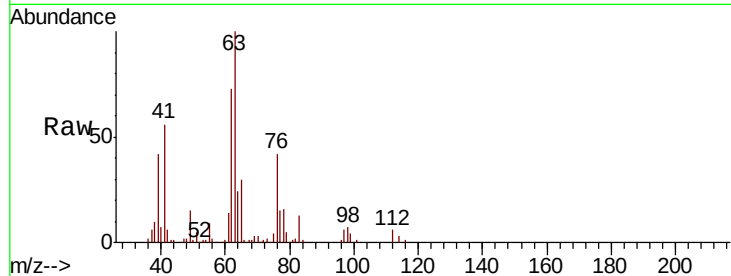
#45
 1,2-Dichloropropane
 Concen: 21.514 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion: 63 Resp: 61205
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8

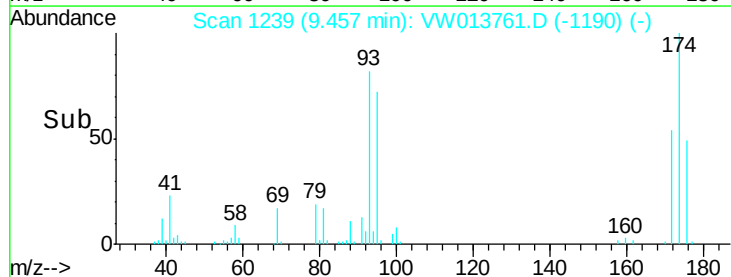
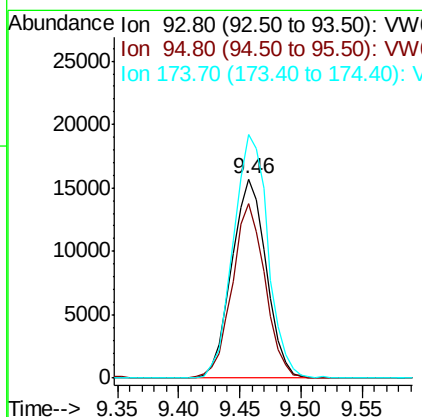
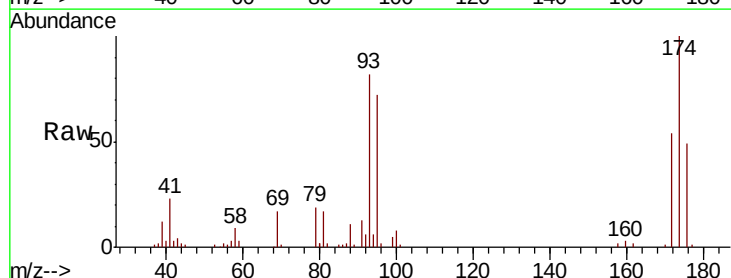
Manual Integrations
 APPROVED

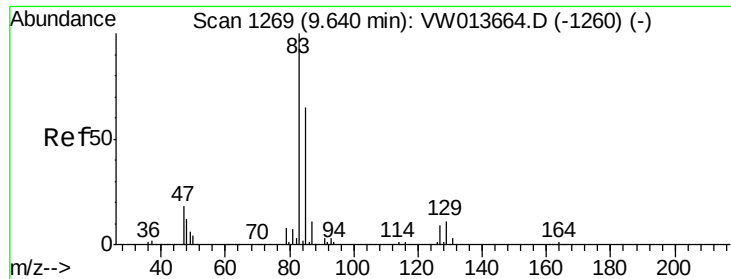
MMDadoda
 10/29/2019 2:05:04 PM



#46
 Dibromomethane
 Concen: 22.277 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 93 Resp: 30760
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 123.0 99.6 149.4





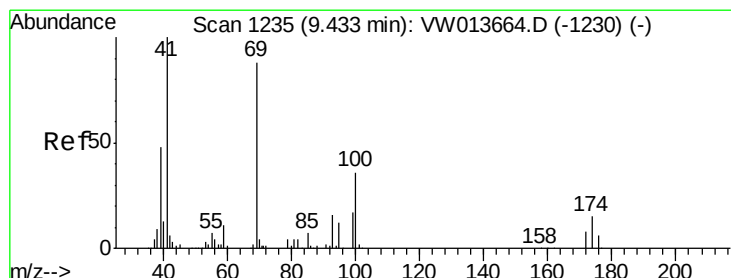
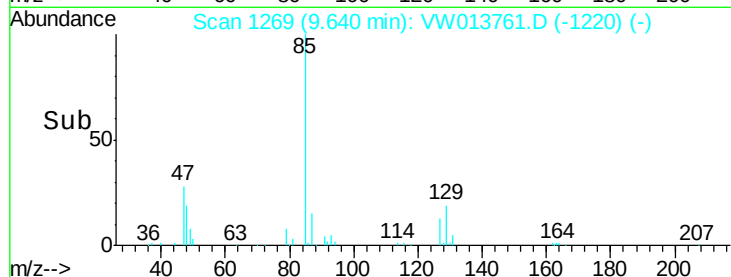
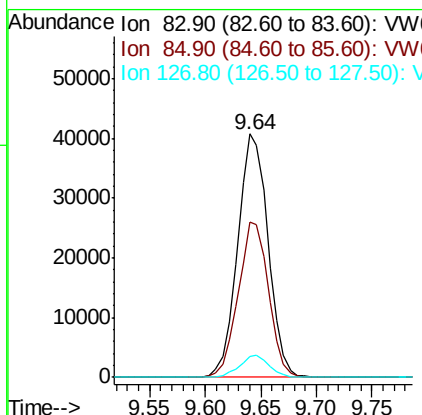
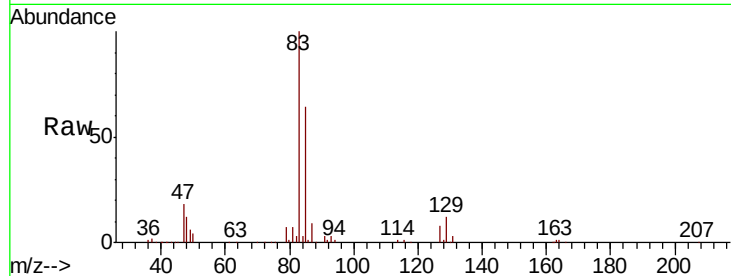
#47
Bromodichloromethane
Concen: 21.540 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.5	7.3	10.9

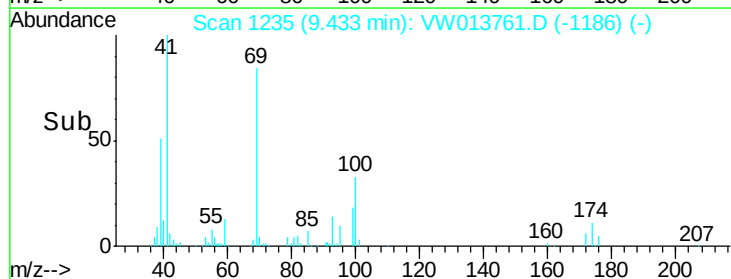
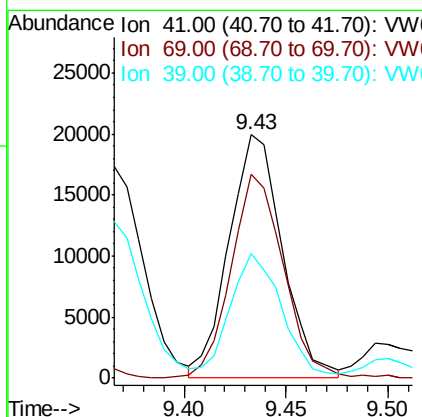
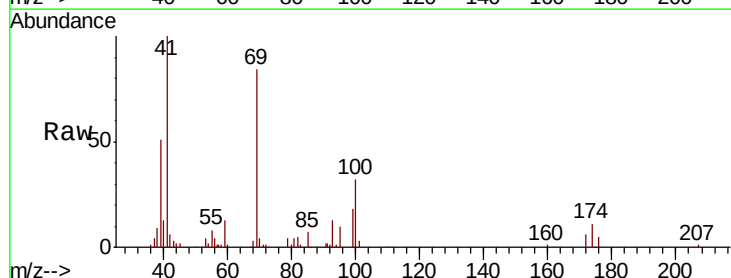
Manual Integrations
APPROVED

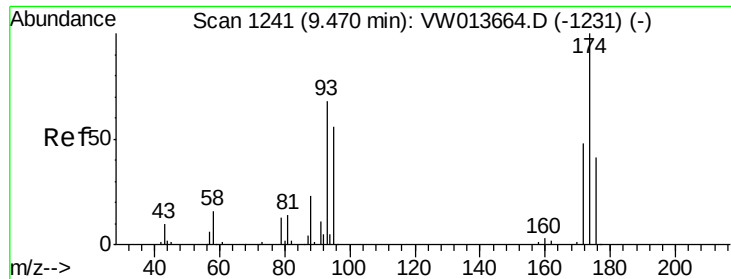
MMDadoda
10/29/2019 2:05:04 PM



#48
Methyl methacrylate
Concen: 23.646 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	67.6	101.4
39	46.2	38.6	58.0





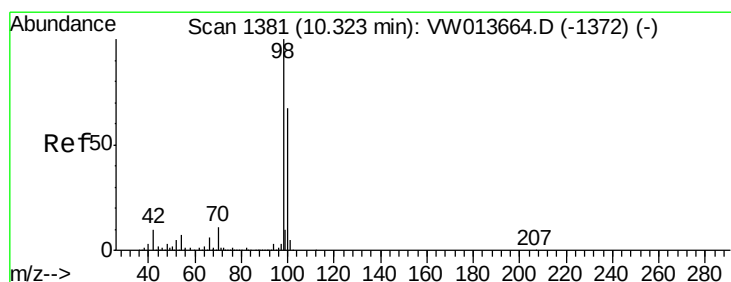
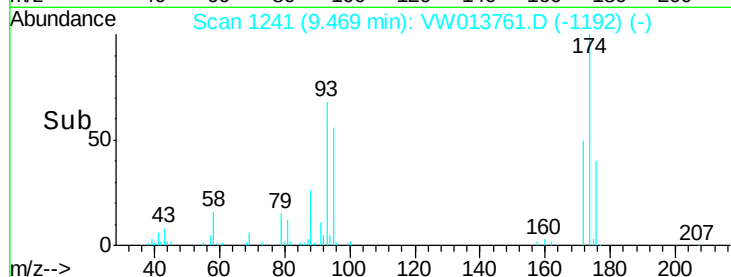
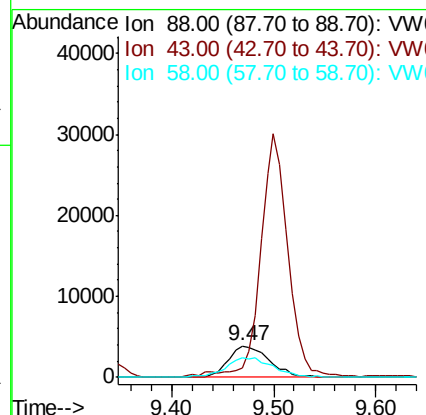
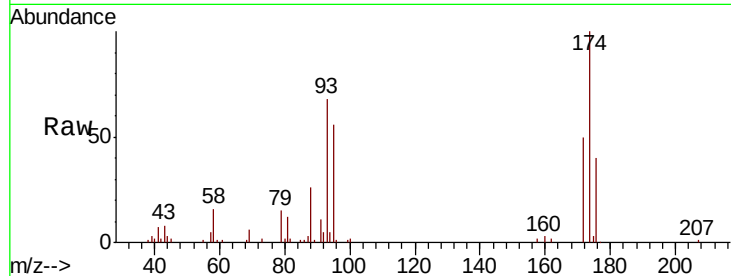
#49
1,4-Dioxane
Concen: 525.100 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	88	Resp	10714
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	72.7	58.9	88.3

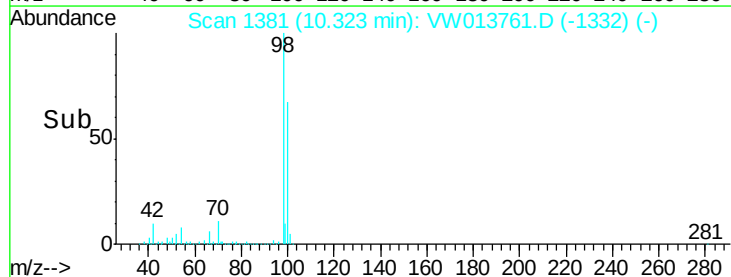
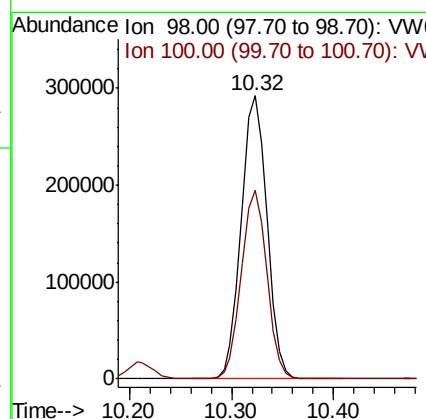
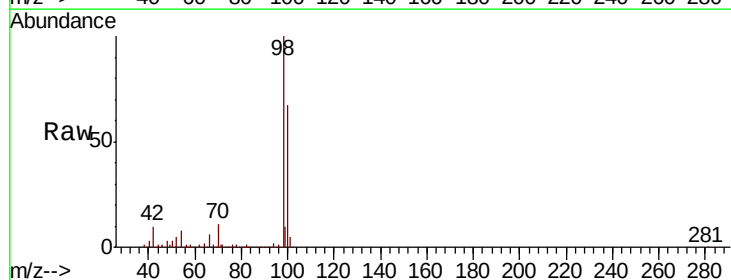
Manual Integrations
APPROVED

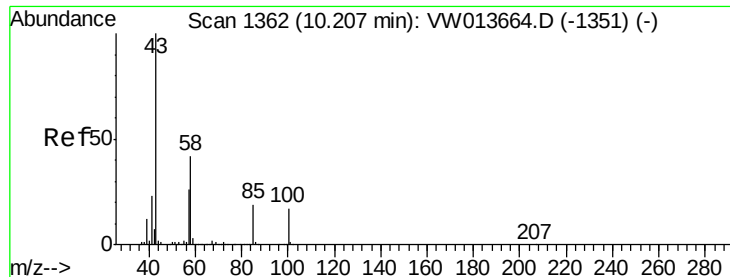
MMDadoda
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#50
Toluene-d8
Concen: 49.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	98	Resp	511100
Ion Ratio	Lower	Upper	
98	100		
100	66.1	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 116.964 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 43 Resp: 179233

Ion Ratio Lower Upper

43 100

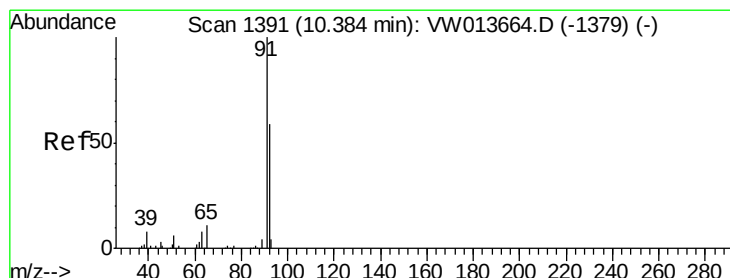
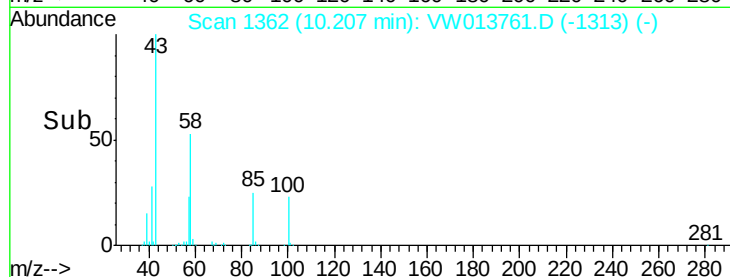
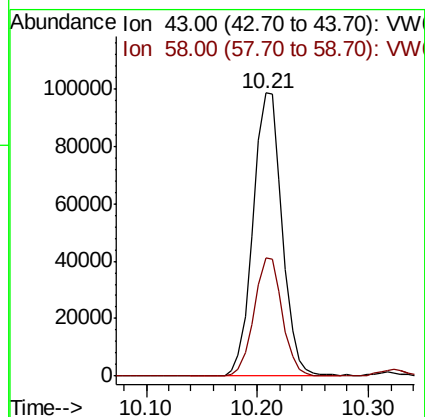
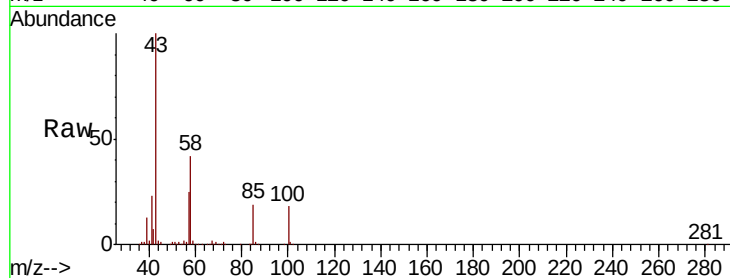
58 40.6 32.6 49.0

Manual Integrations

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#52

Toluene

Concen: 21.799 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013761.D

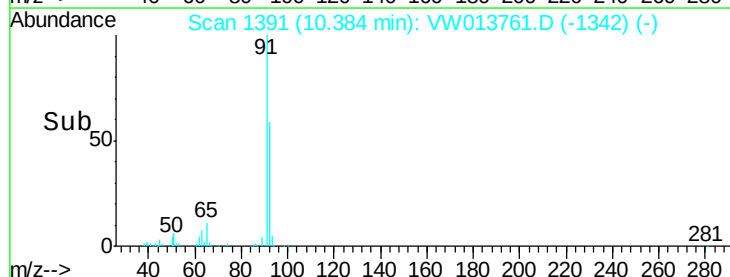
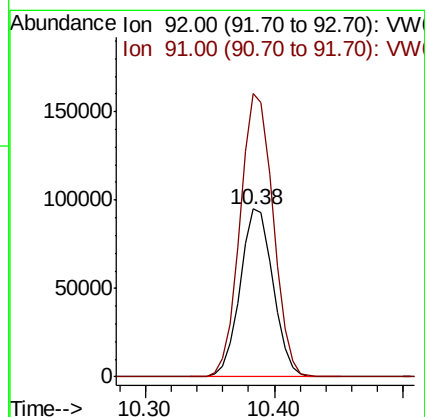
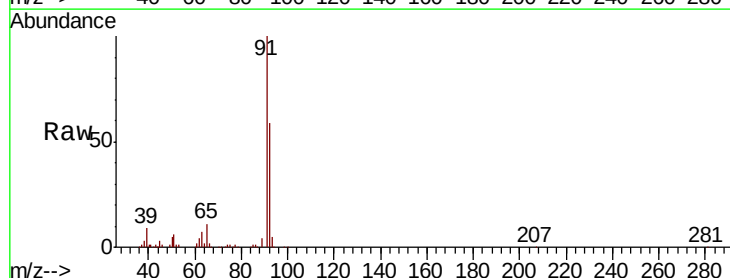
Acq: 28 Oct 2019 12:55

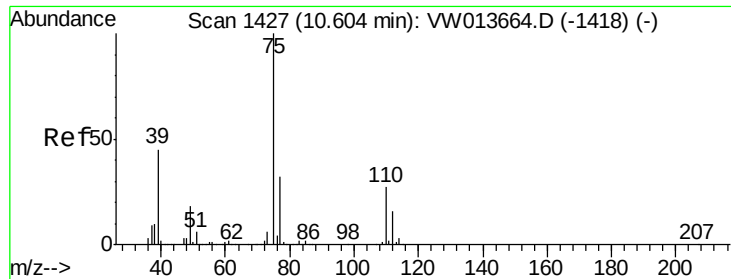
Tgt Ion: 92 Resp: 167477

Ion Ratio Lower Upper

92 100

91 169.7 134.5 201.7





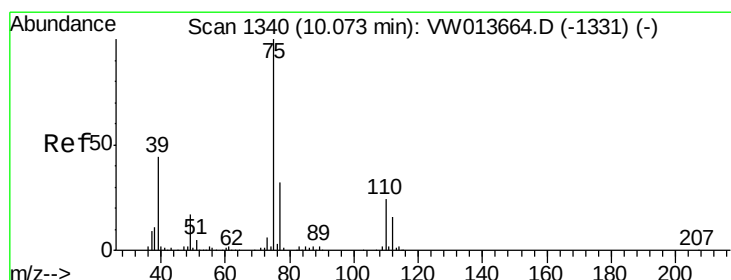
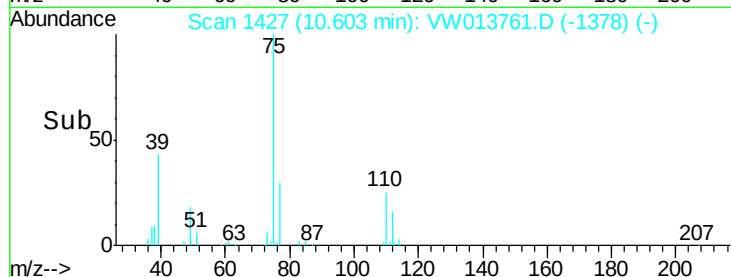
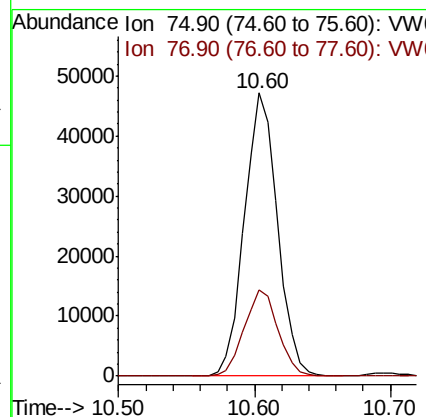
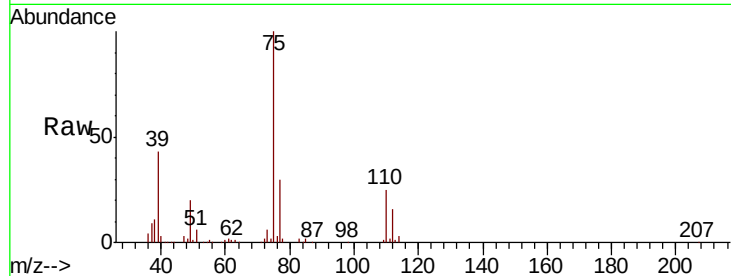
#53
t-1,3-Dichloropropene
Concen: 22.134 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion: 75 Resp: 80053
Ion Ratio Lower Upper
75 100
77 30.3 25.5 38.3

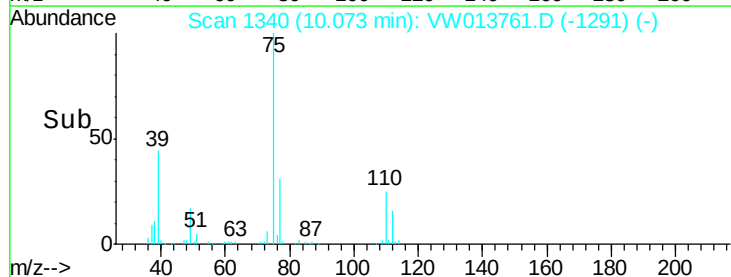
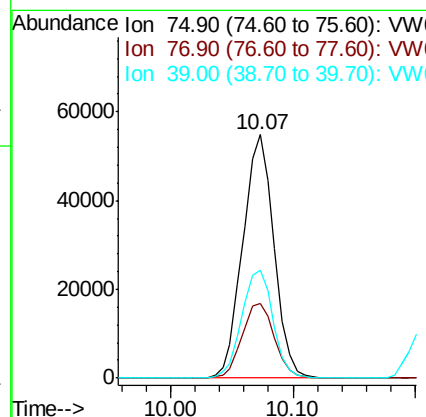
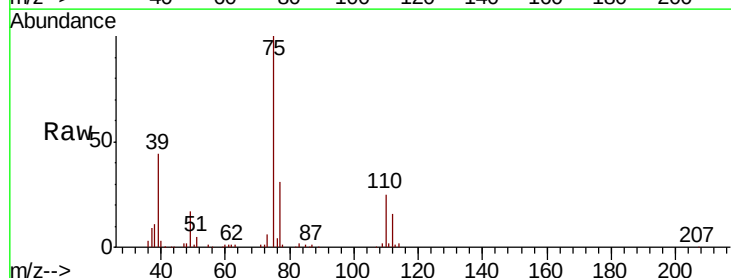
Manual Integrations
APPROVED

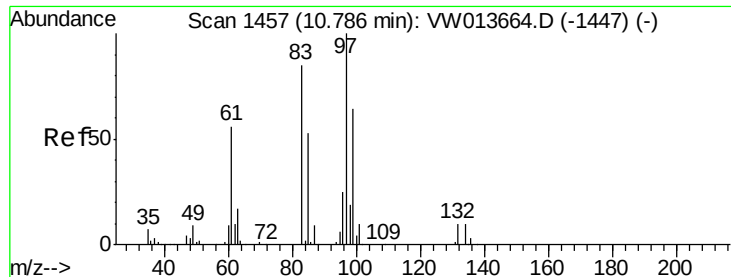
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.745 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 75 Resp: 97030
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6
39 44.3 35.3 52.9





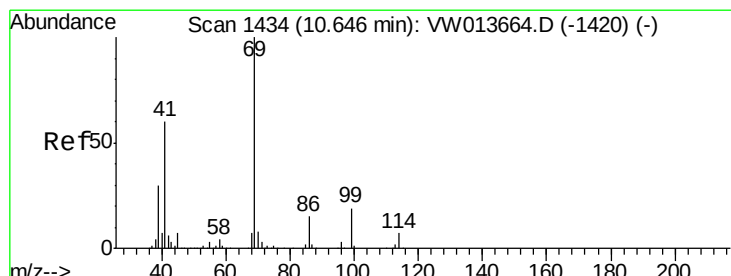
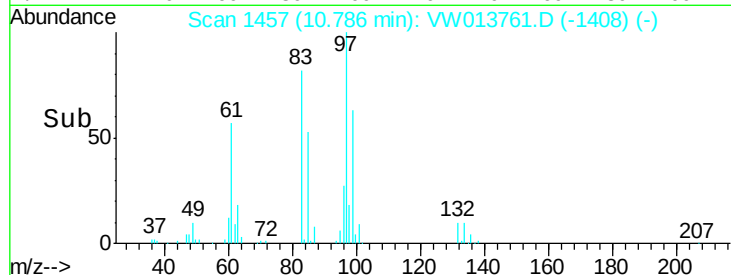
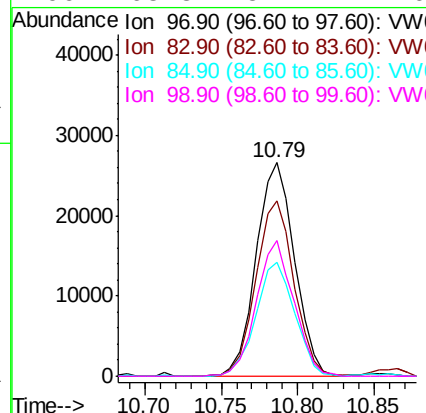
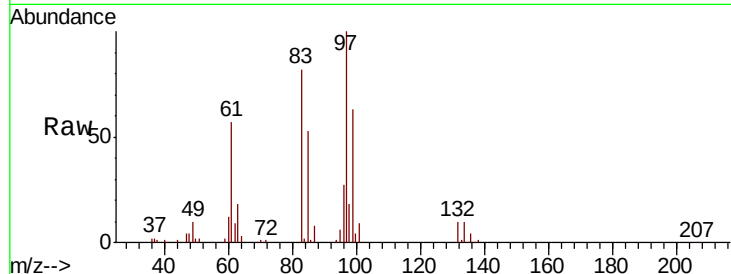
#55
 1,1,2-Trichloroethane
 Concen: 22.573 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.8	101.8
85	53.5	42.1	63.1
99	63.3	51.4	77.0

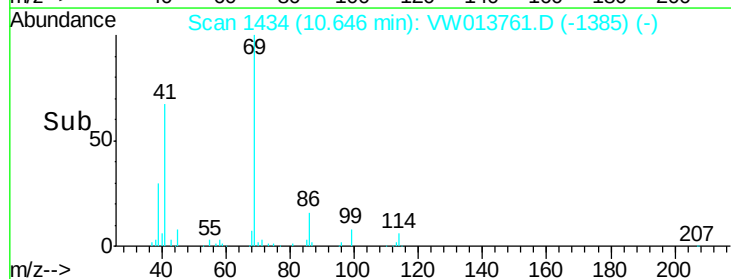
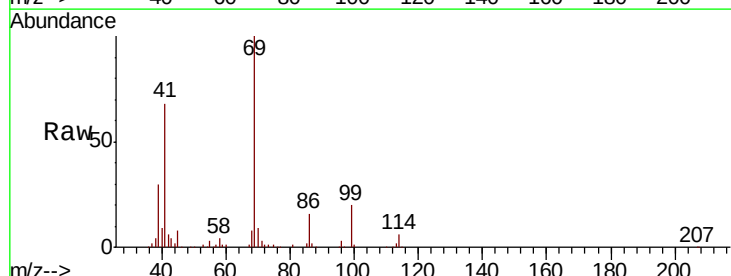
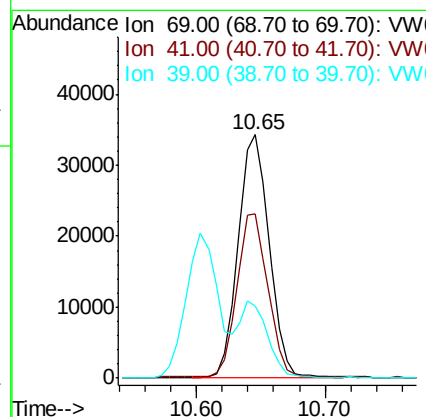
Manual Integrations
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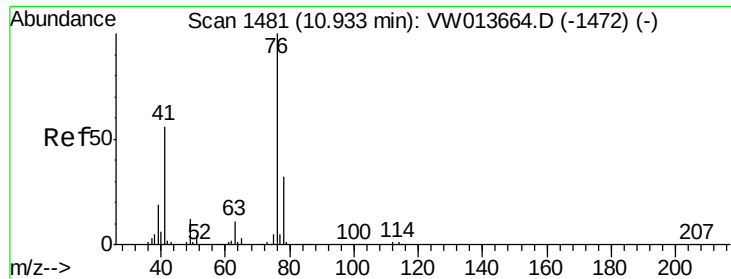
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 22.343 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.6	77.4
39	28.3	22.4	33.6





#57

1,3-Dichloropropane

Concen: 22.125 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 76 Resp: 78131

Ion Ratio Lower Upper

76 100

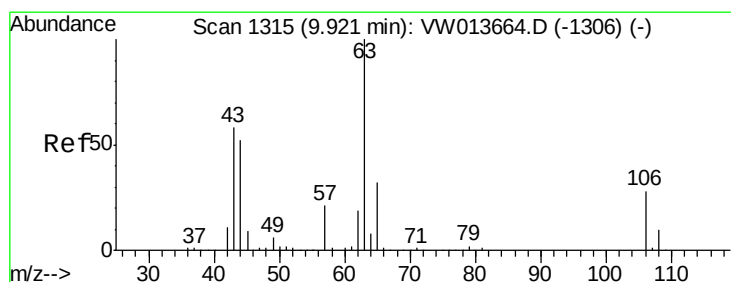
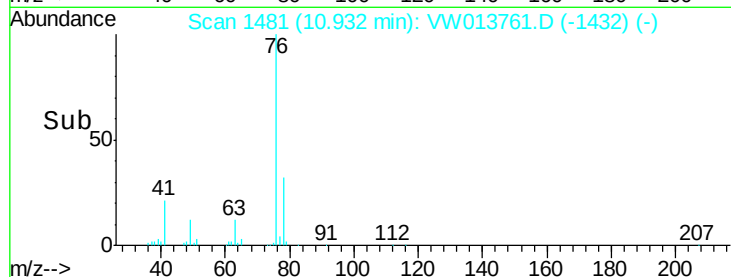
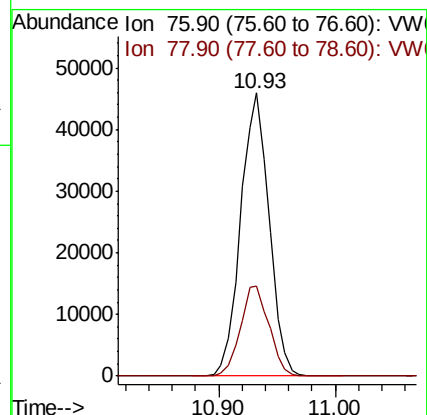
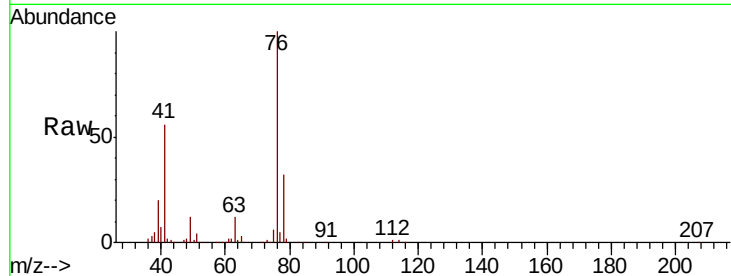
78 32.0 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.301 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013761.D

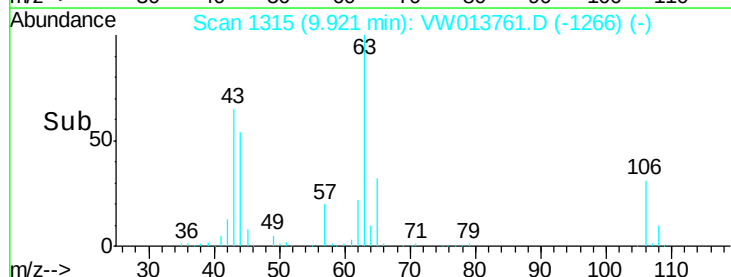
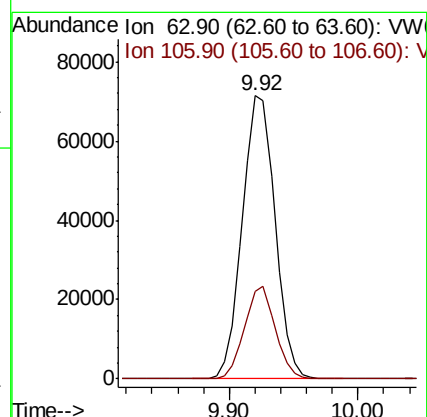
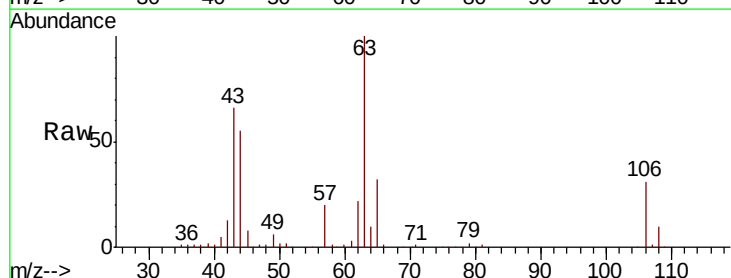
Acq: 28 Oct 2019 12:55

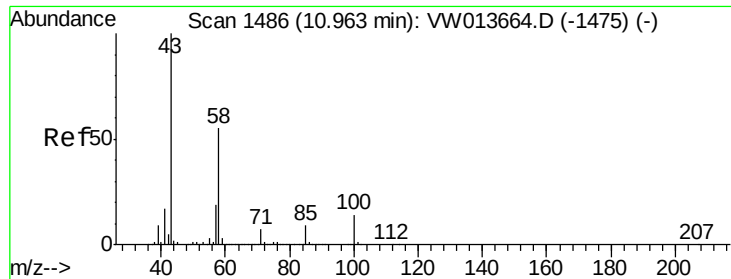
Tgt Ion: 63 Resp: 125959

Ion Ratio Lower Upper

63 100

106 30.6 23.8 35.8





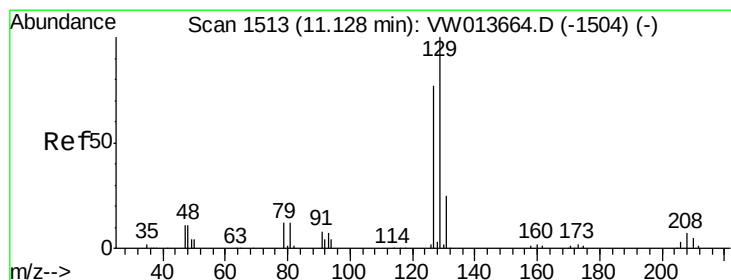
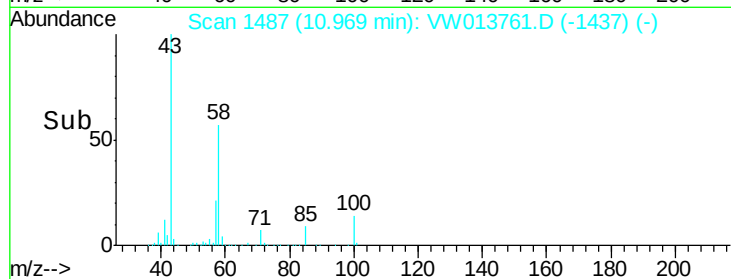
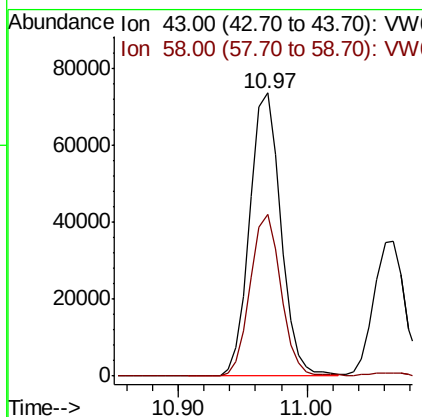
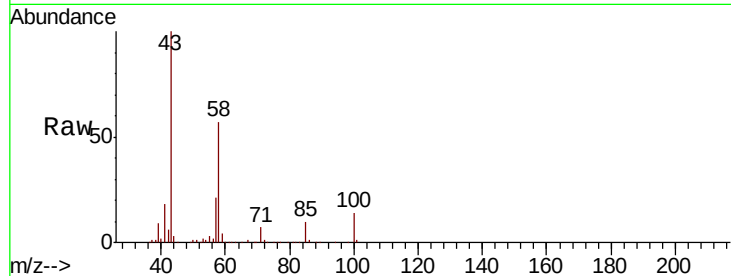
#59
2-Hexanone
Concen: 116.214 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	43	Resp	122770
Ion Ratio	100	Lower	Upper
43	100		
58	56.3	27.9	83.7

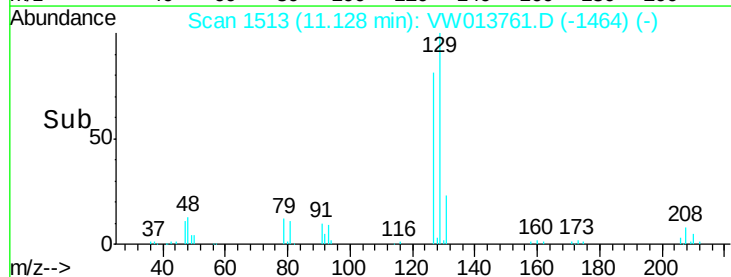
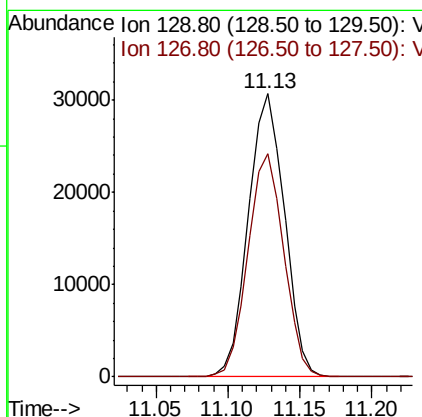
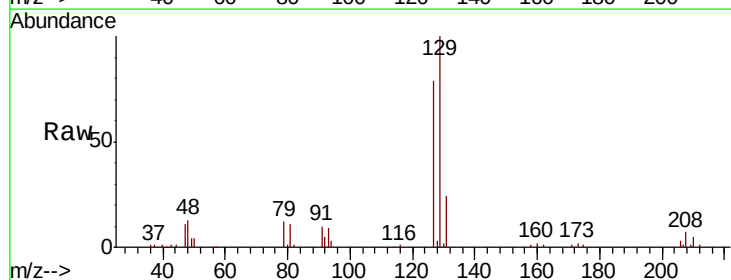
Manual Integrations
APPROVED

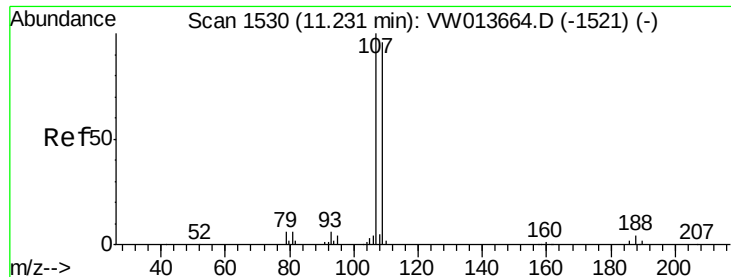
MMDadoda
10/29/2019 2:05:04 PM



#60
Dibromochloromethane
Concen: 21.825 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	129	Resp	53324
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	38.9	116.7





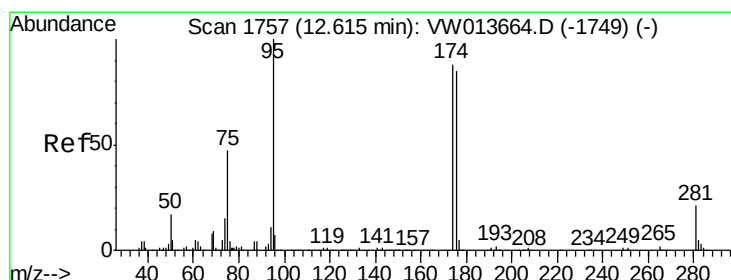
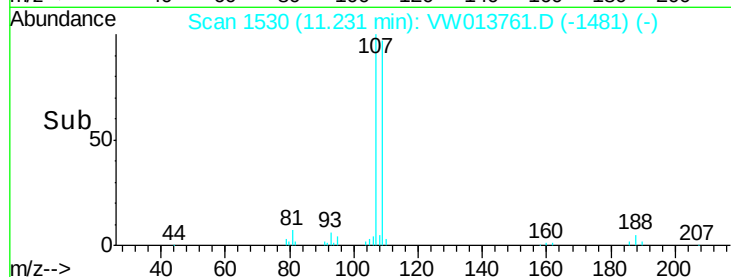
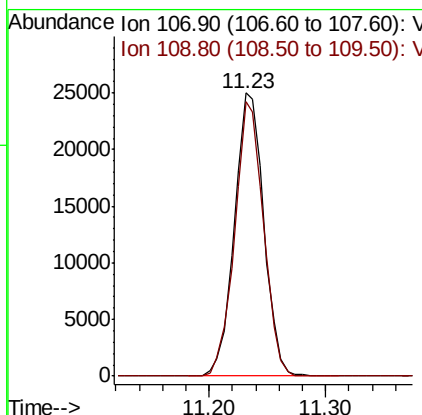
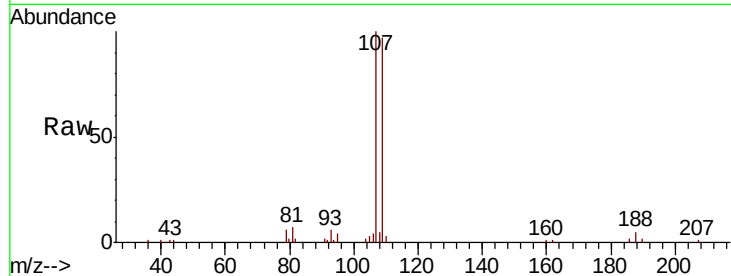
#61
 1,2-Dibromoethane
 Concen: 22.563 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion: 107 Resp: 43927
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5

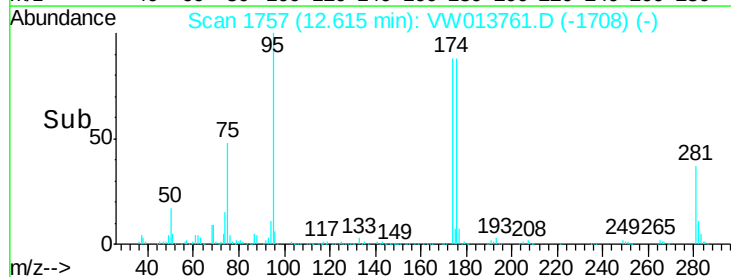
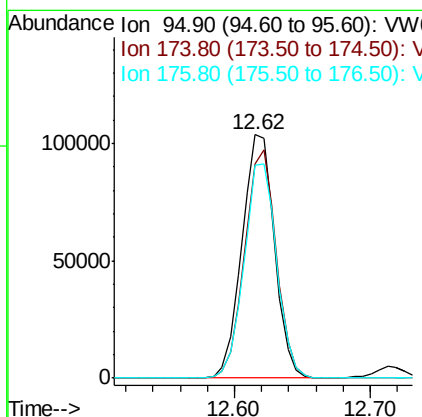
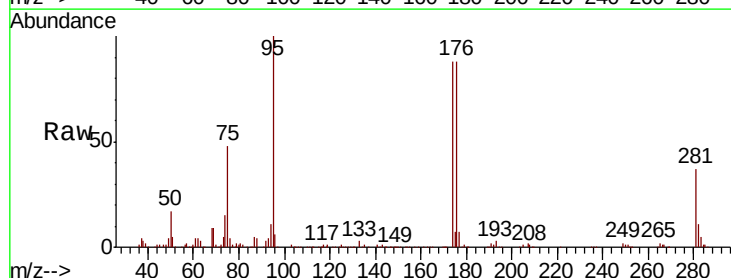
Manual Integrations
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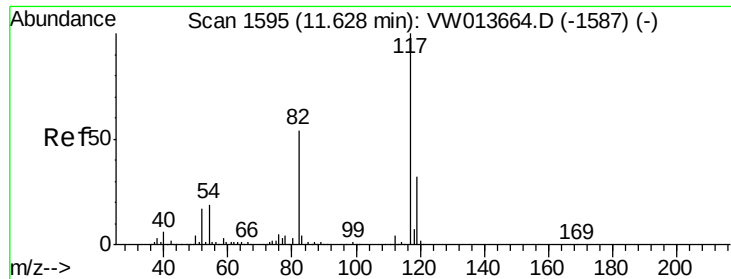
MMDadoda
 10/29/2019 2:05:04 PM



#62
 4-Bromofluorobenzene
 Concen: 50.124 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 95 Resp: 173653
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 183.6
 176 88.3 0.0 178.0





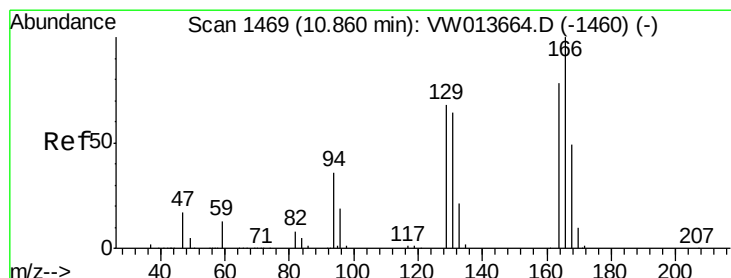
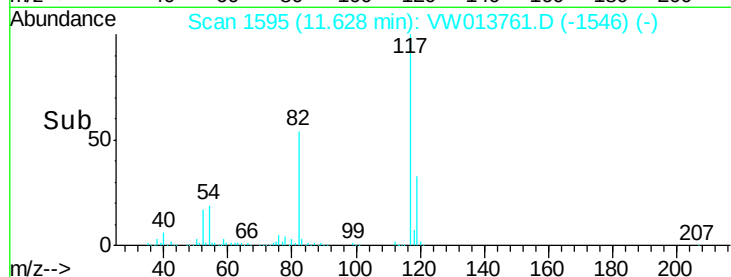
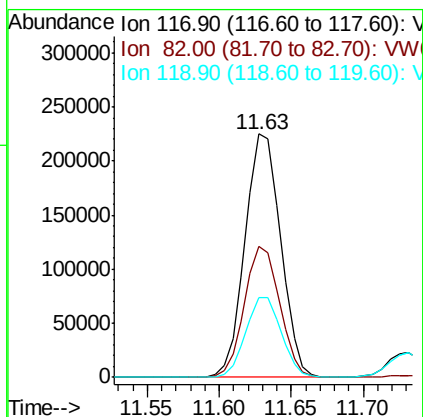
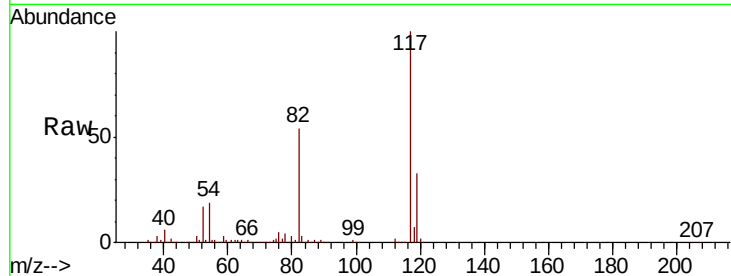
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385471		
82	53.9		43.6	65.4
119	32.6		25.4	38.2

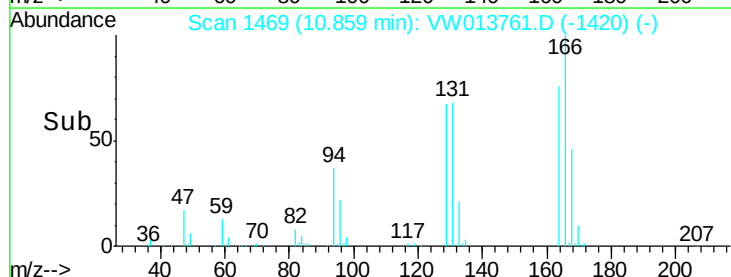
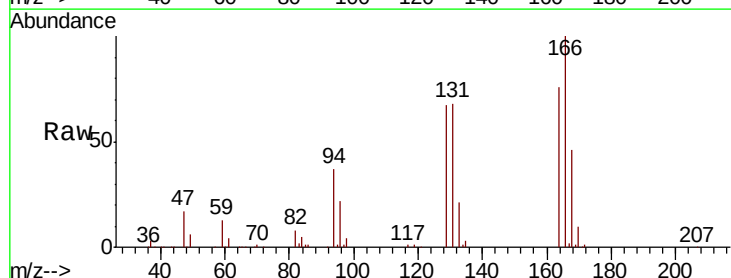
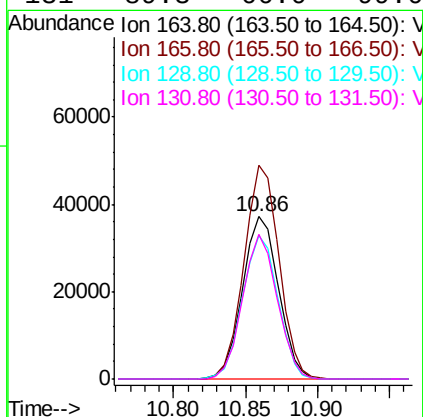
Manual Integrations
APPROVED

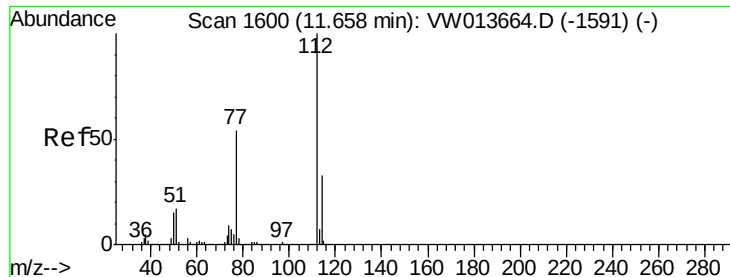
MMDadoda
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#64
Tetrachloroethene
Concen: 21.848 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64345		
166	131.7		103.2	154.8
129	88.6		70.6	105.8
131	89.3		66.0	99.0





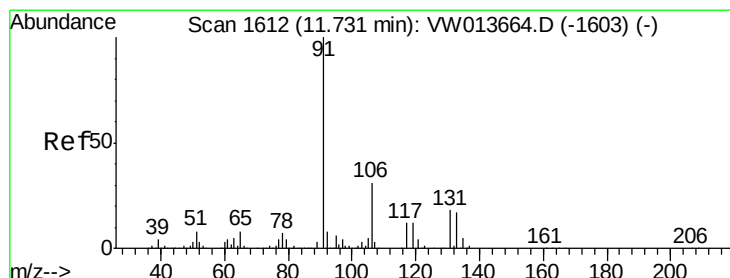
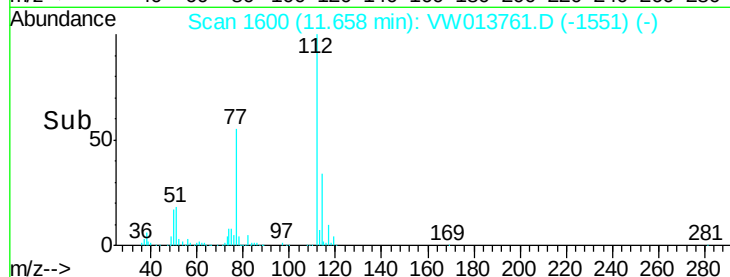
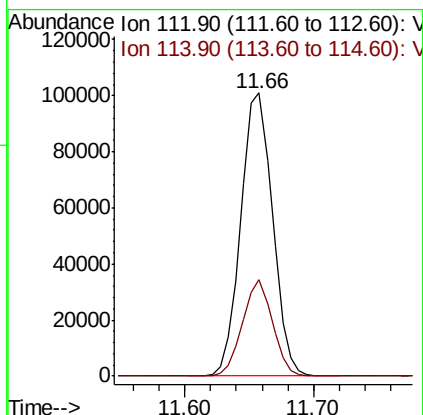
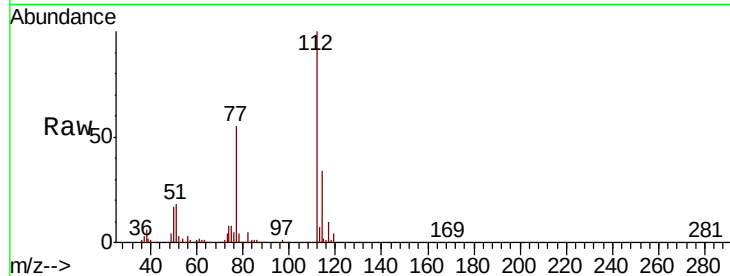
#65
Chlorobenzene
Concen: 21.738 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.2	39.4

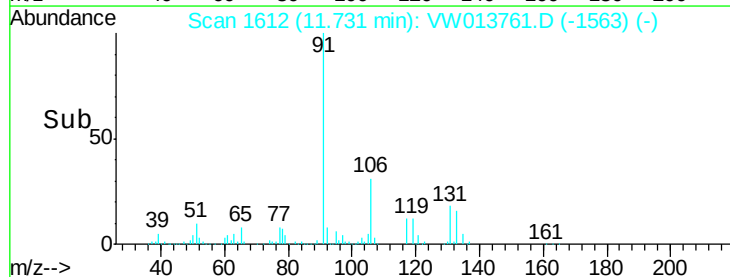
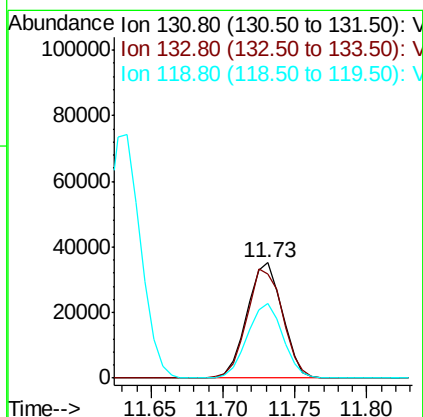
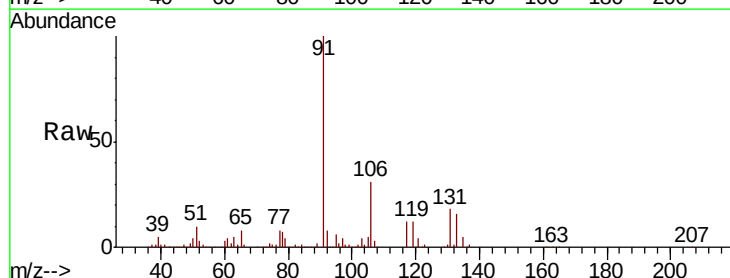
Manual Integrations
APPROVED

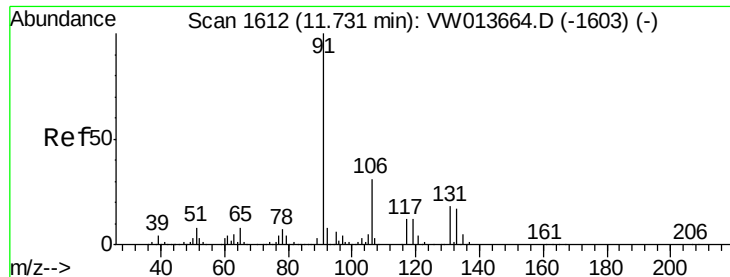
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.614 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.4	142.3
119	65.3	33.1	99.2





#67

Ethyl Benzene

Concen: 22.082 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 91 Resp: 315401

Ion Ratio Lower Upper

91 100

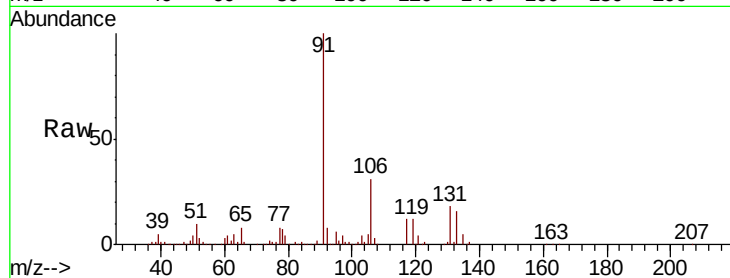
106 31.1 25.0 37.6

Manual Integrations

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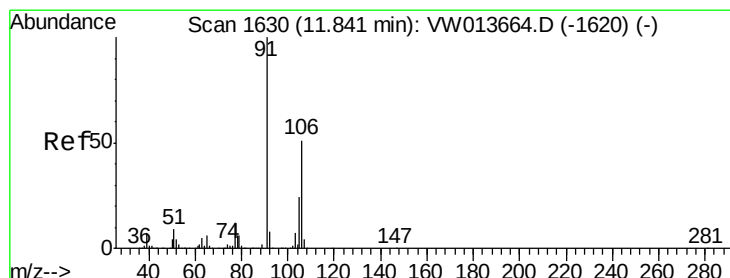
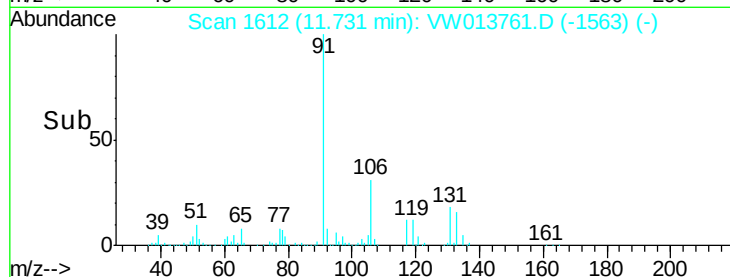
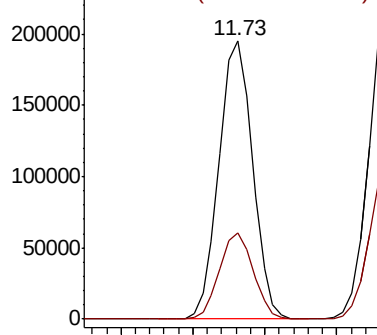
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.024 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013761.D

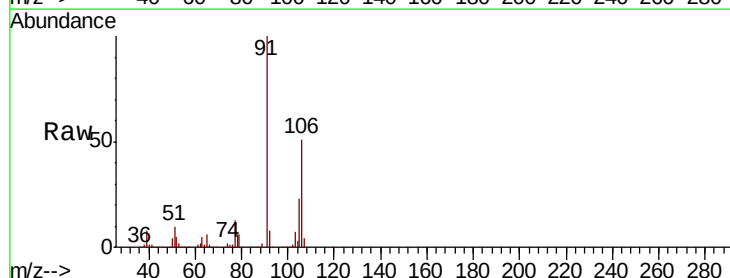
Acq: 28 Oct 2019 12:55

Tgt Ion: 106 Resp: 242941

Ion Ratio Lower Upper

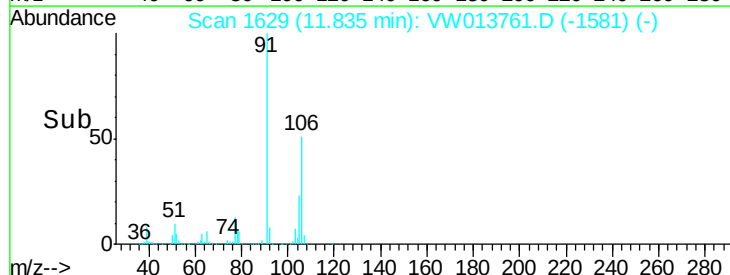
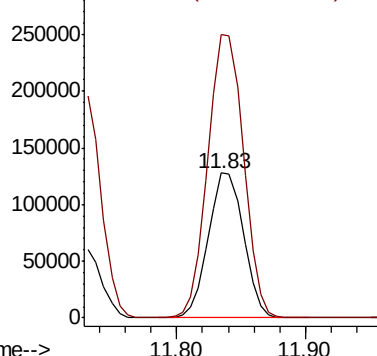
106 100

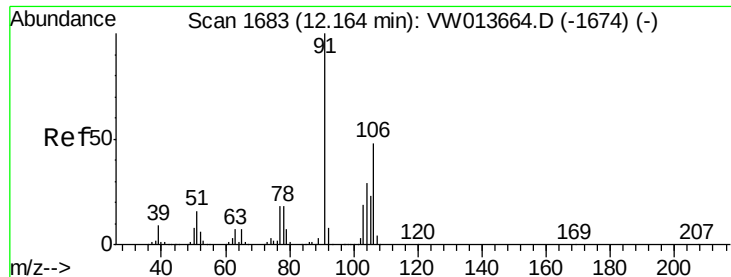
91 197.8 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





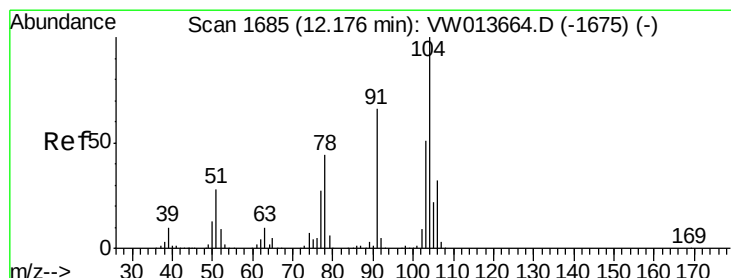
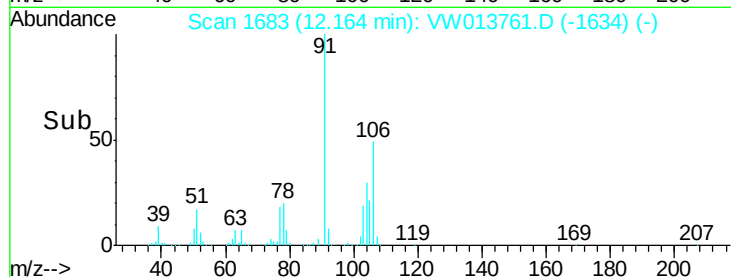
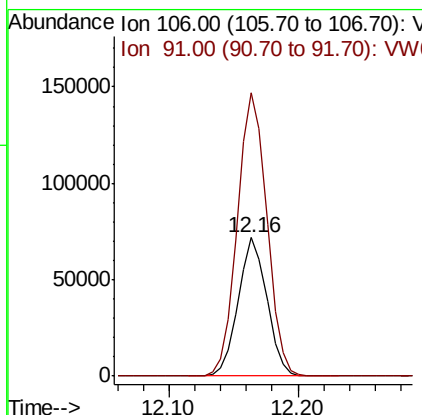
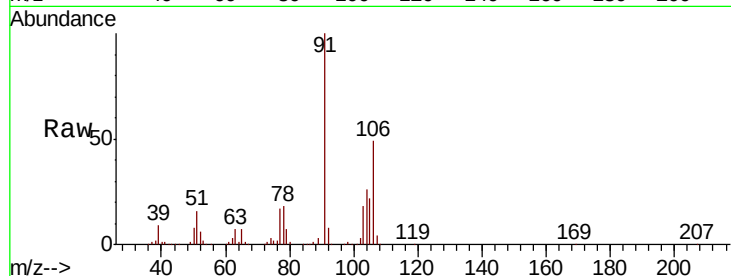
#69
o-Xylene
Concen: 21.843 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.3	104.9	314.7	

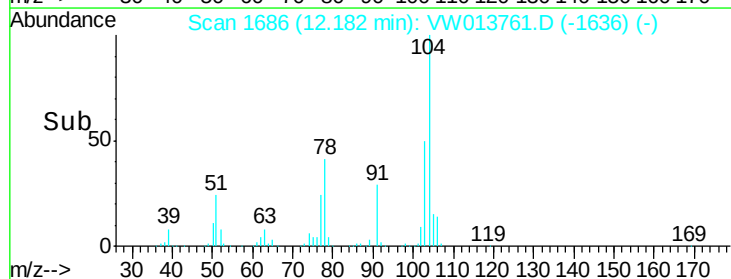
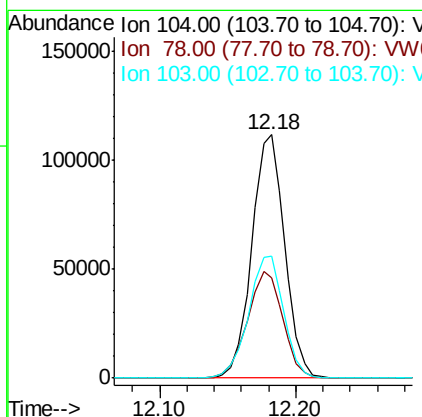
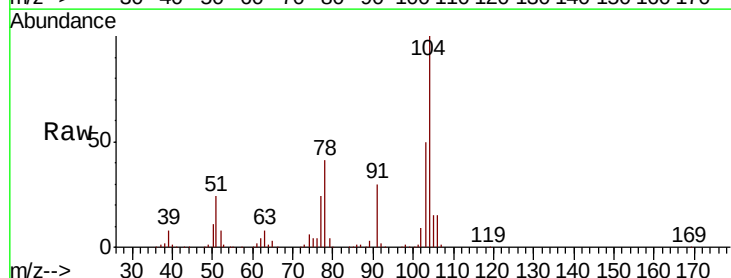
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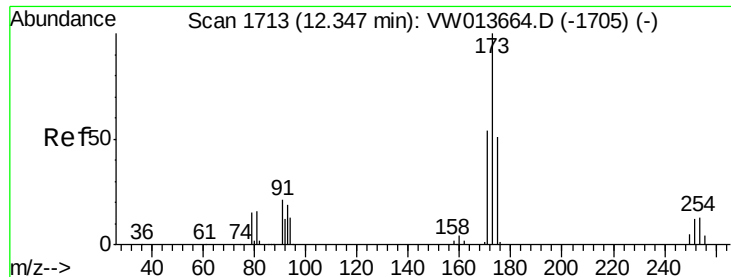
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#70
Styrene
Concen: 21.748 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	37.1	55.7	
103	53.7	43.6	65.4	





#71

Bromoform

Concen: 22.719 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion:173 Resp: 32960

Ion Ratio Lower Upper

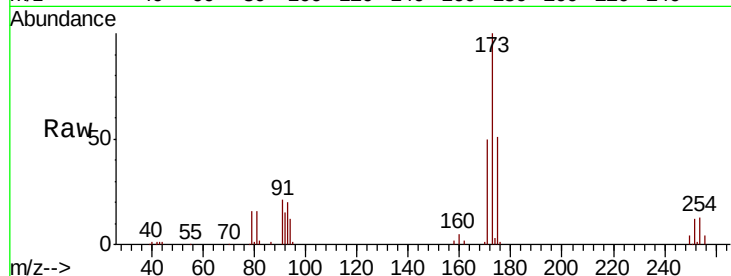
173 100

175 50.3 25.2 75.6

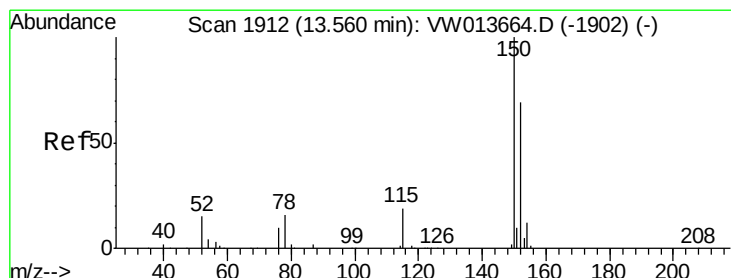
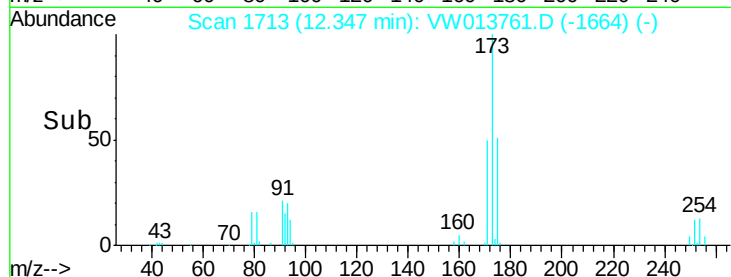
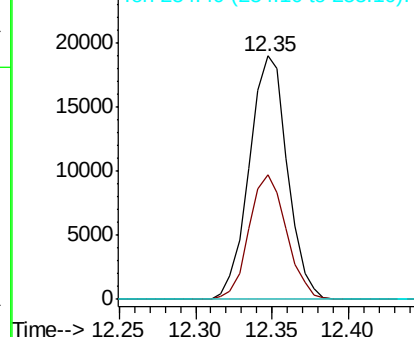
254 0.0 0.1 0.1#

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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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

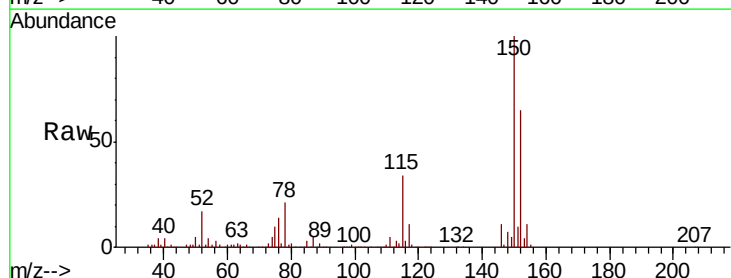
Tgt Ion:152 Resp: 199074

Ion Ratio Lower Upper

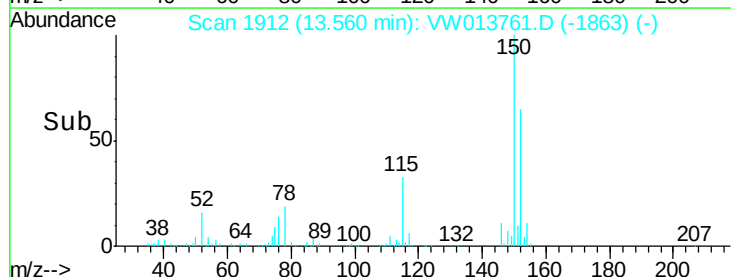
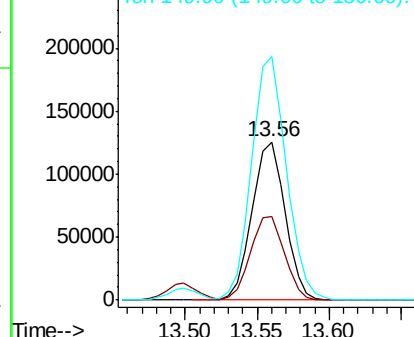
152 100

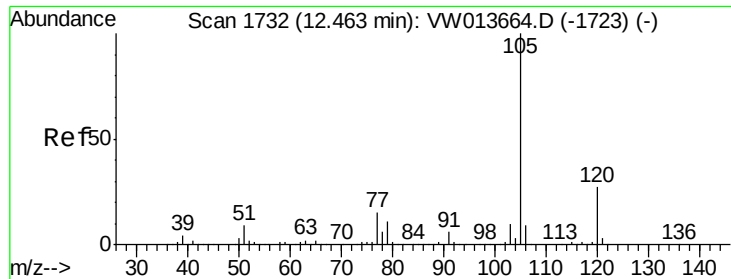
115 54.2 27.4 82.2

150 162.1 0.0 345.4



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: 21.416 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion:105 Resp: 306171

Ion Ratio Lower Upper

105 100

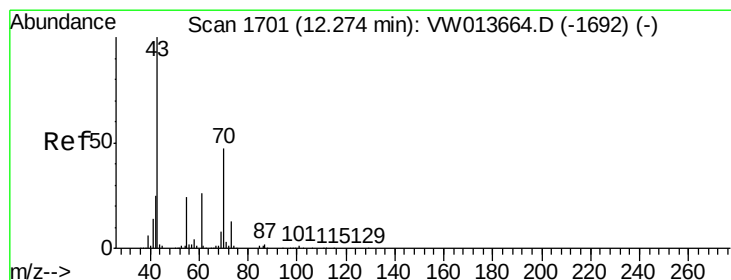
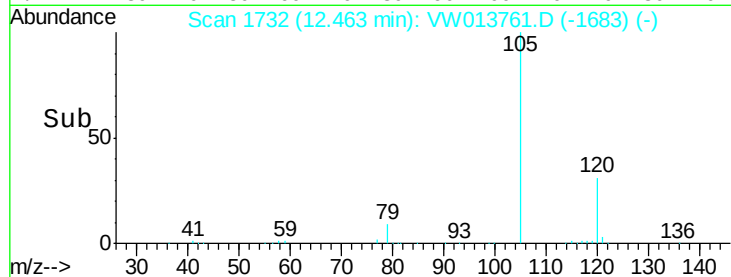
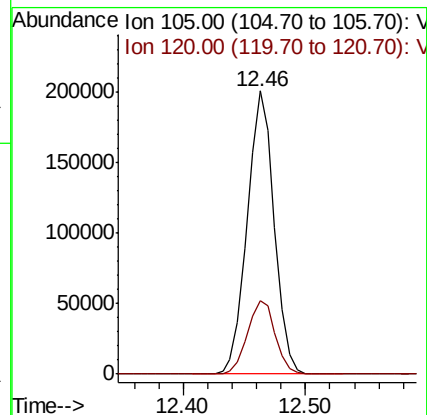
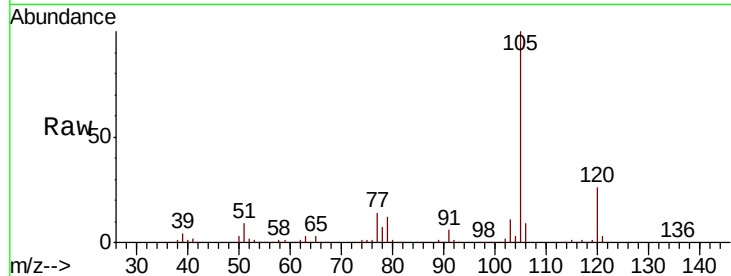
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 22.719 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion: 43 Resp: 62829

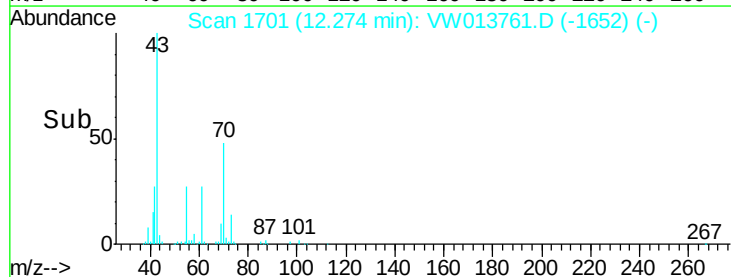
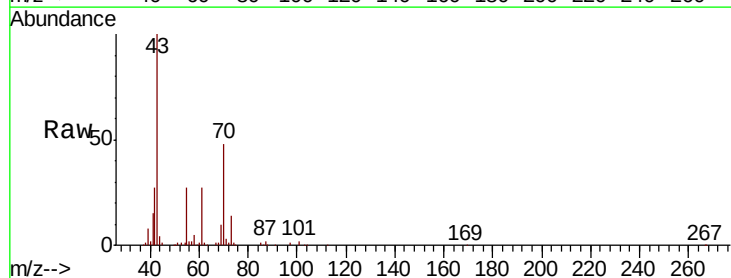
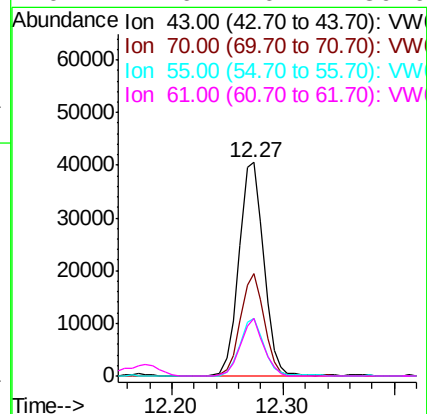
Ion Ratio Lower Upper

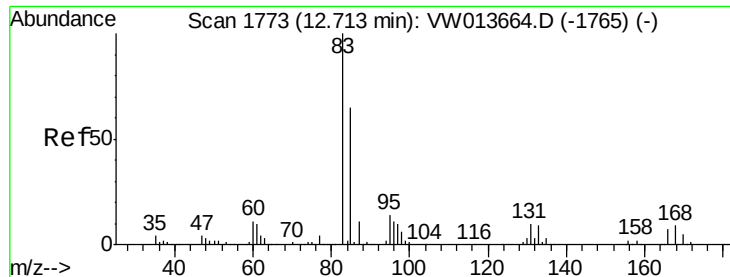
43 100

70 45.7 36.6 55.0

55 25.8 20.3 30.5

61 24.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.740 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

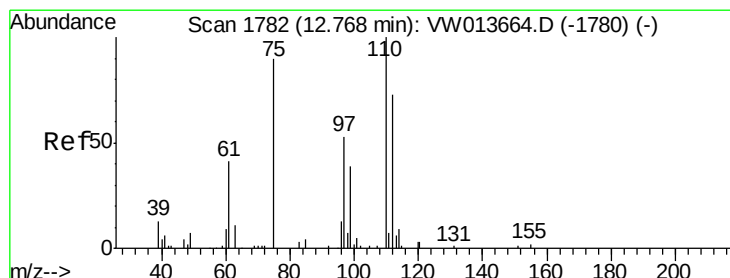
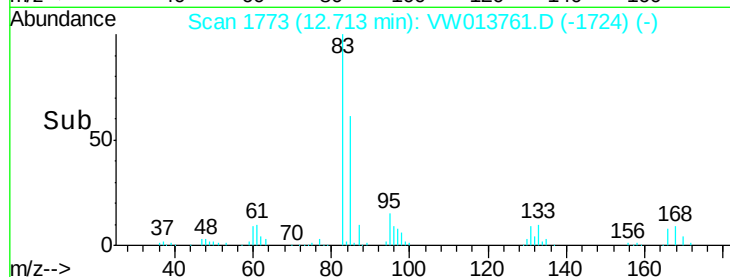
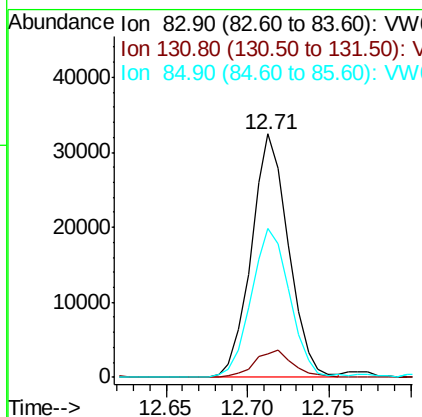
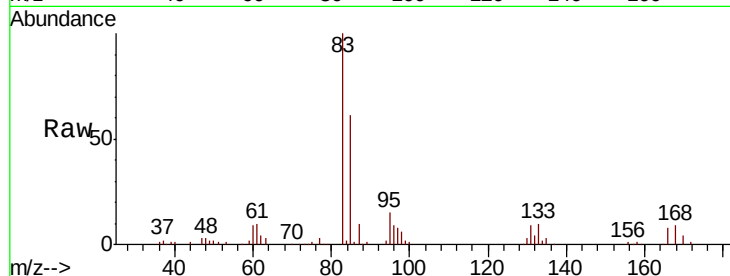
ClientSampleId :

VW1028SBS01

Tot Ion:	83	Resp:	51301
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.1
85	63.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 28.303 ug/l m

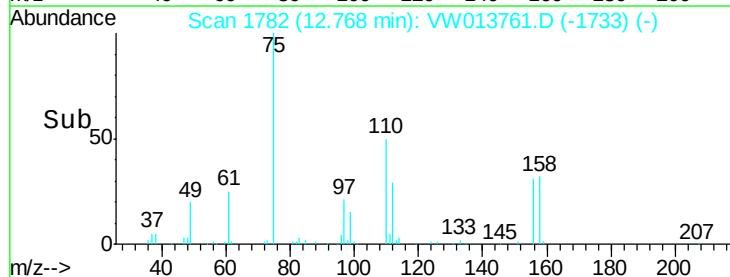
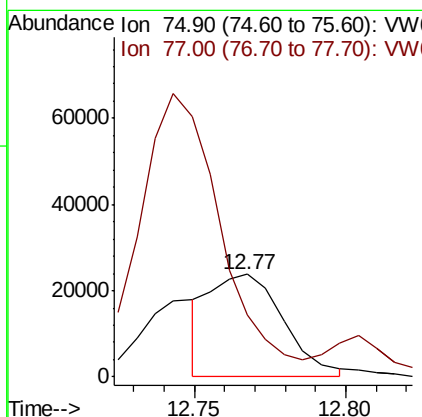
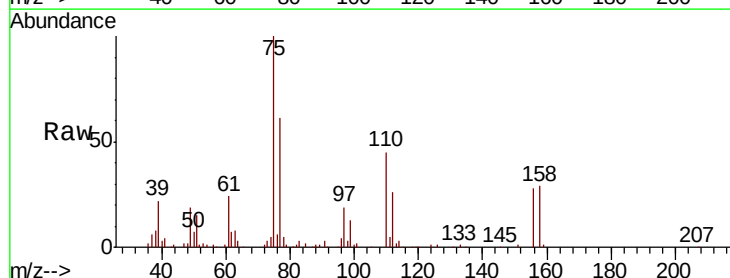
RT: 12.77 min Scan# 1782

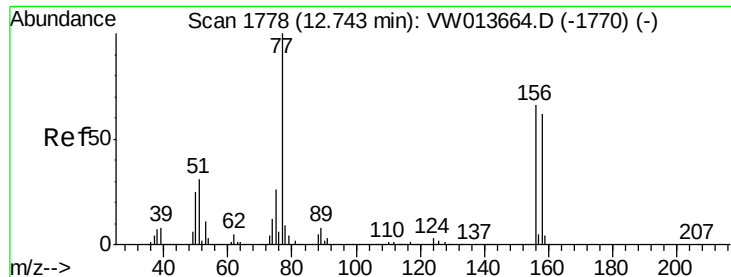
Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	75	Resp:	40463
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion:156 Resp: 73428

Ion Ratio Lower Upper

156 100

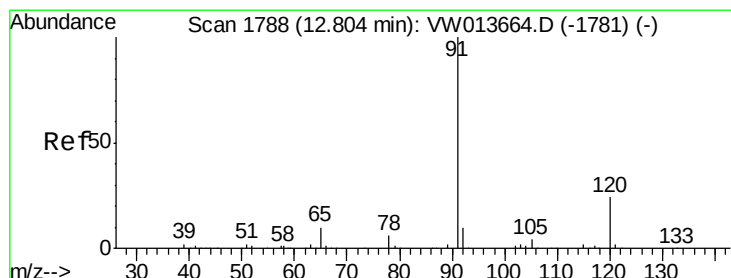
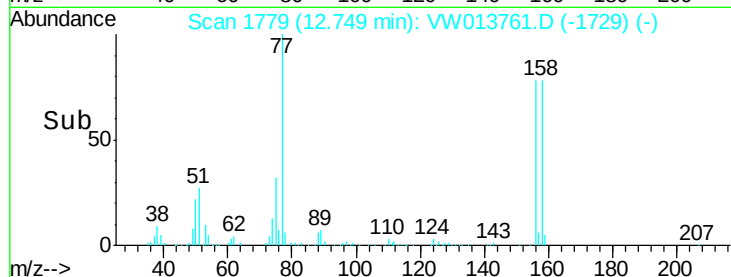
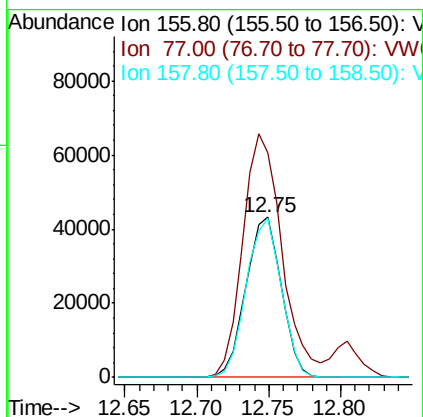
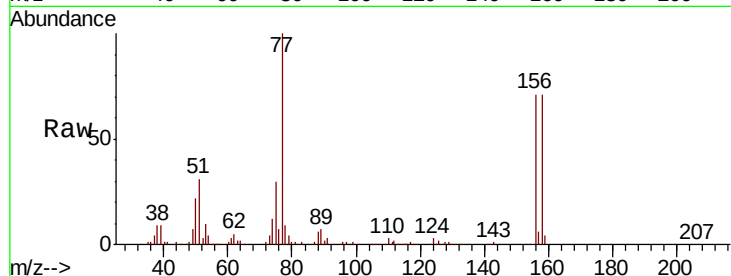
77 168.6 82.9 248.7

158 98.1 48.4 145.2

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#78

n-propylbenzene

Concen: 21.600 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013761.D

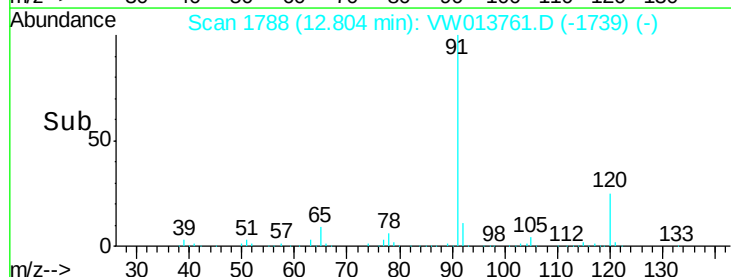
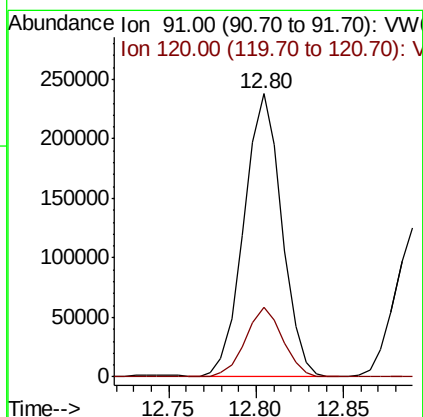
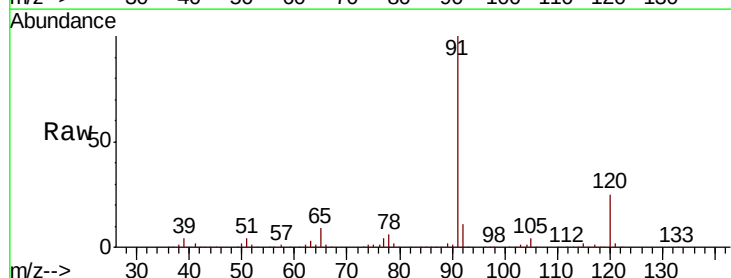
Acq: 28 Oct 2019 12:55

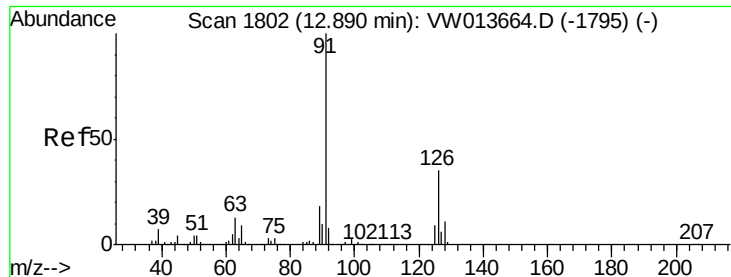
Tgt Ion: 91 Resp: 357414

Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0





#79

2-Chlorotoluene

Concen: 21.416 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion: 91 Resp: 199147

Ion Ratio Lower Upper

91 100

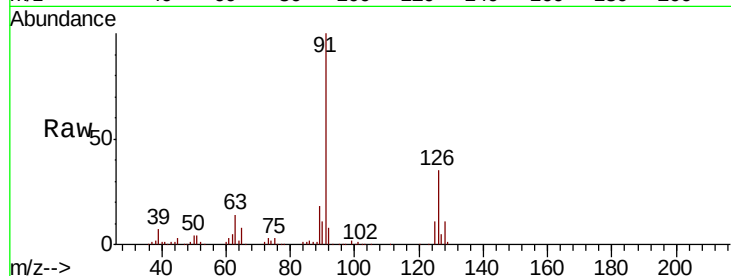
126 35.8 17.4 52.2

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

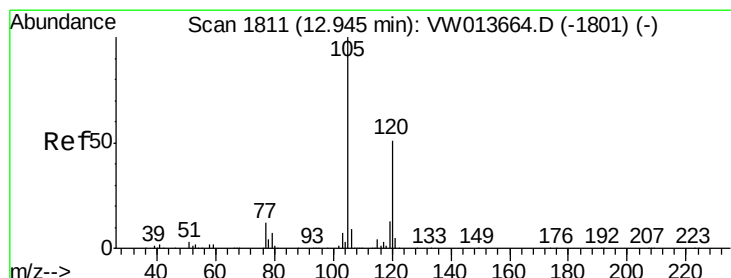
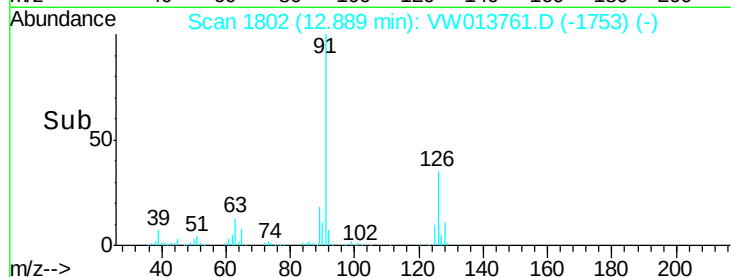
50000

0

12.85

12.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.538 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013761.D

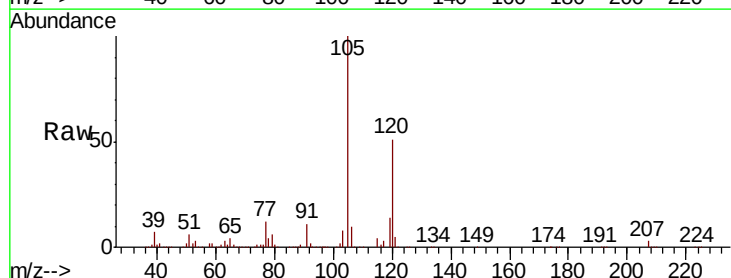
Acq: 28 Oct 2019 12:55

Tgt Ion:105 Resp: 259923

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

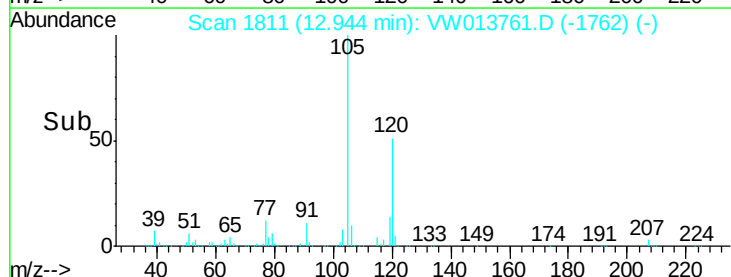
50000

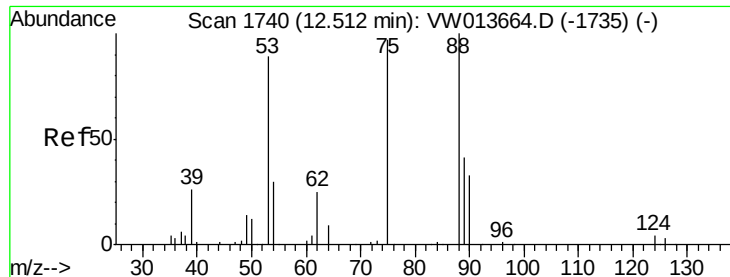
0

12.90

13.00

Time-->





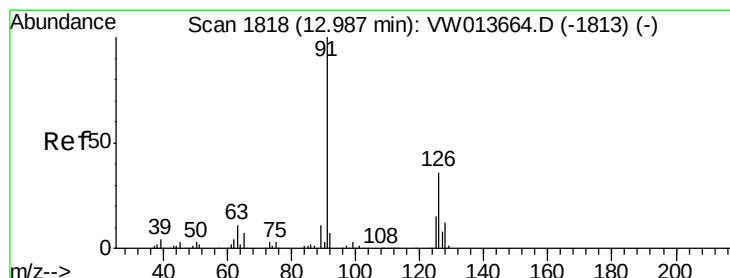
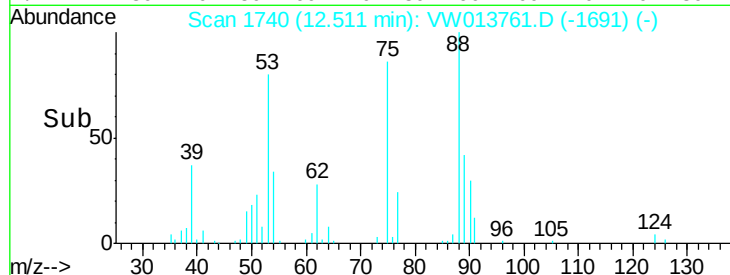
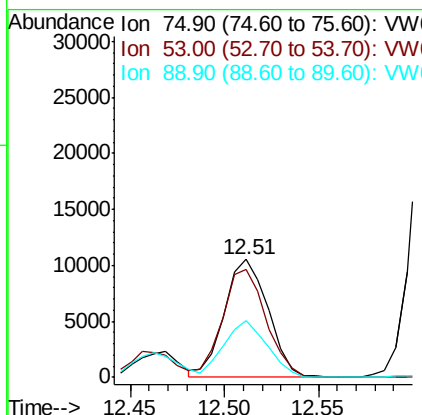
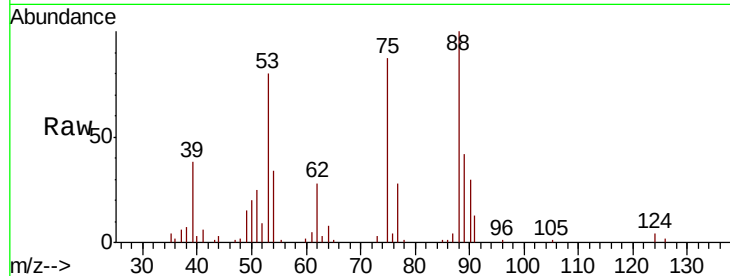
#81
trans-1,4-Dichloro-2-butene
Concen: 22.450 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	71.7	107.5
89	47.3	35.8	53.8

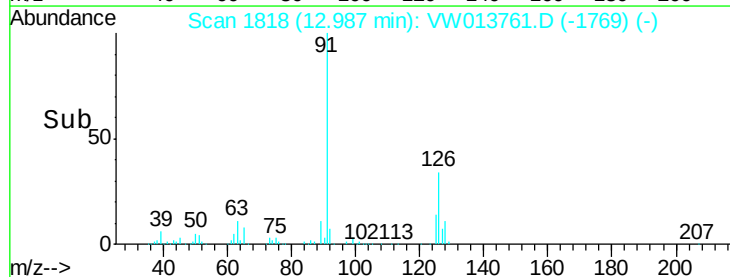
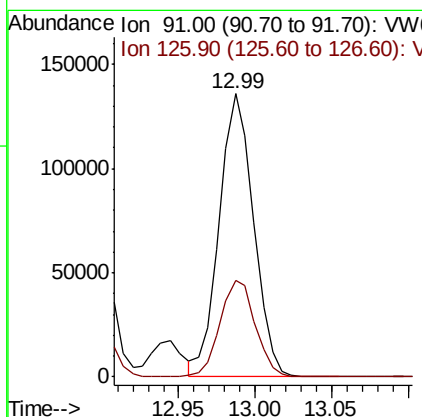
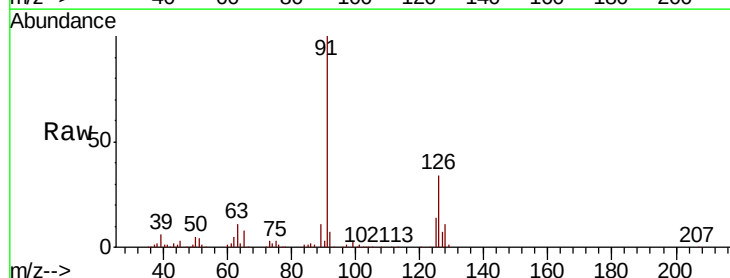
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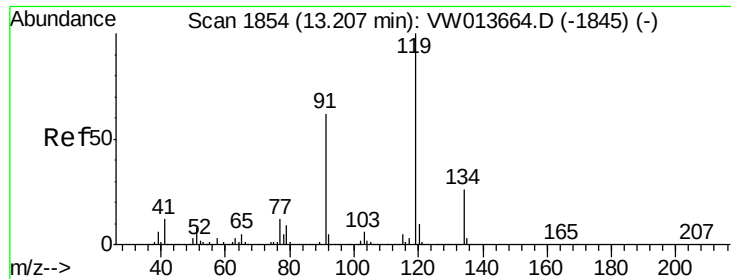
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#82
4-Chlorotoluene
Concen: 21.646 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.5





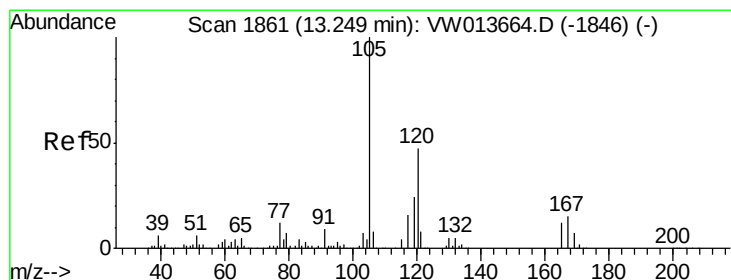
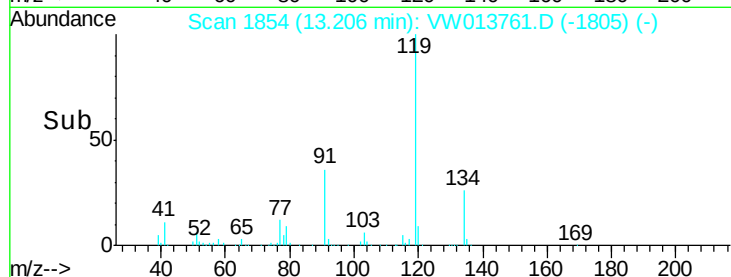
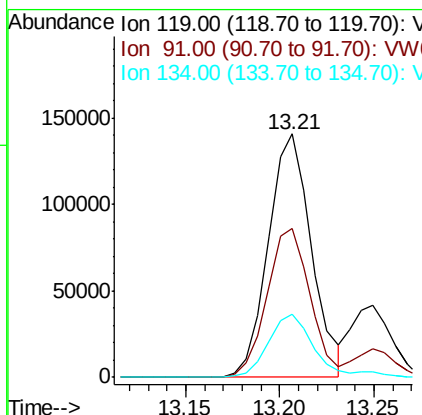
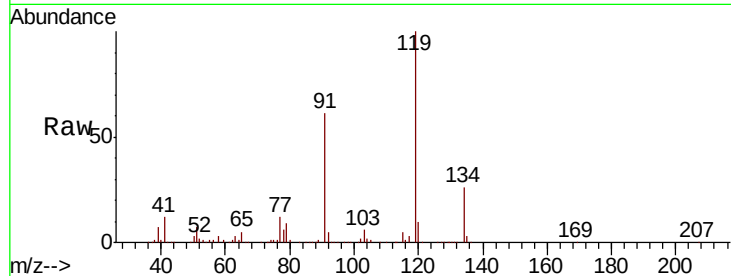
#83
tert-Butylbenzene
Concen: 20.918 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.4	91.3
134	28.0	13.6	40.8

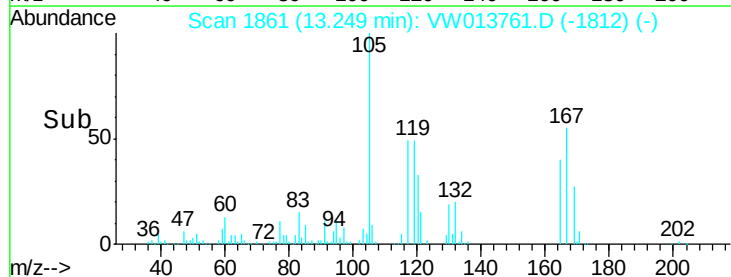
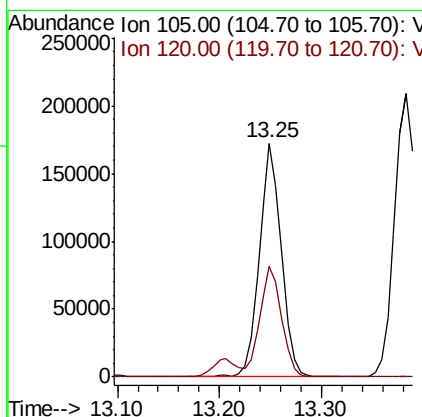
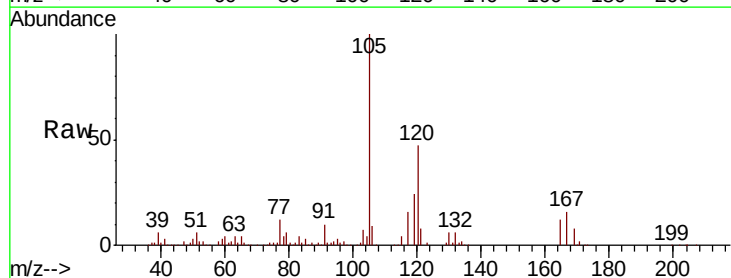
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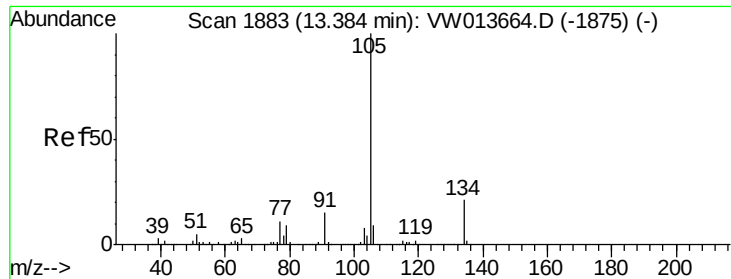
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#84
1,2,4-Trimethylbenzene
Concen: 21.747 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.595 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW1028SBS01

Tot Ion:105 Resp: 316341

Ion Ratio Lower Upper

105 100

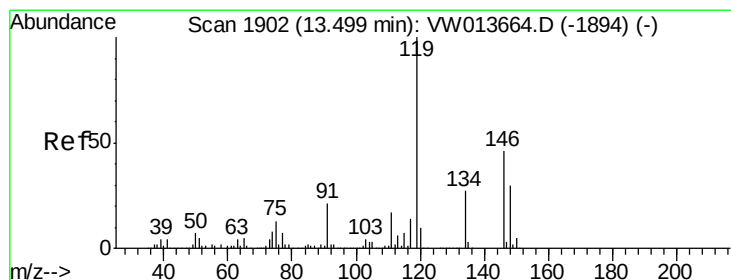
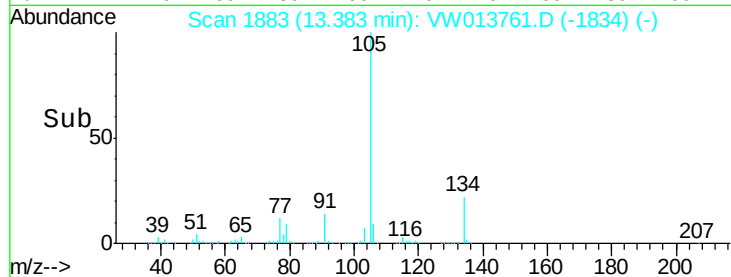
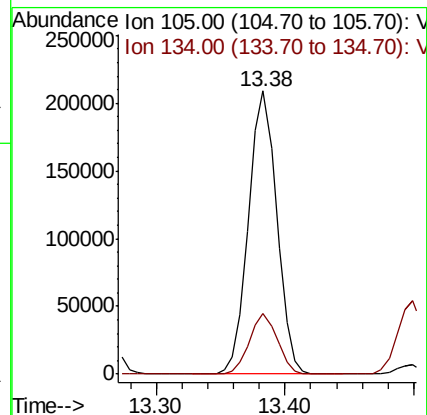
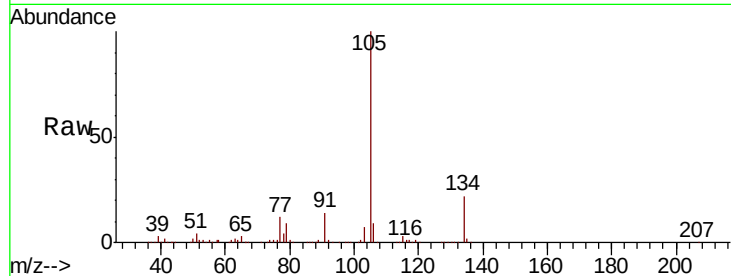
134 20.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.609 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

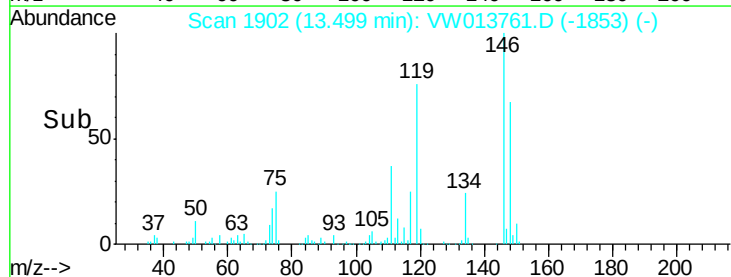
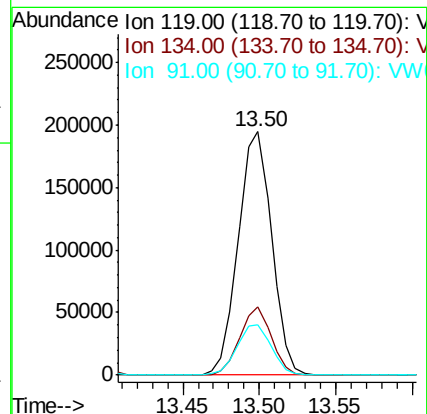
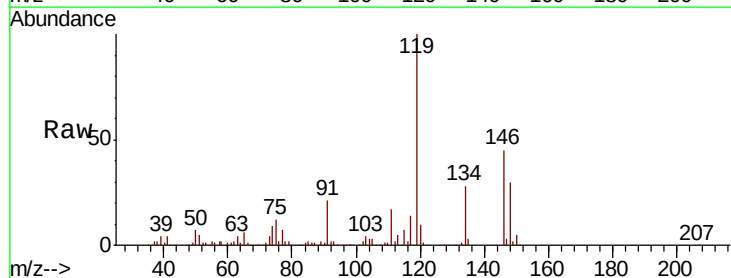
Tgt Ion:119 Resp: 294859

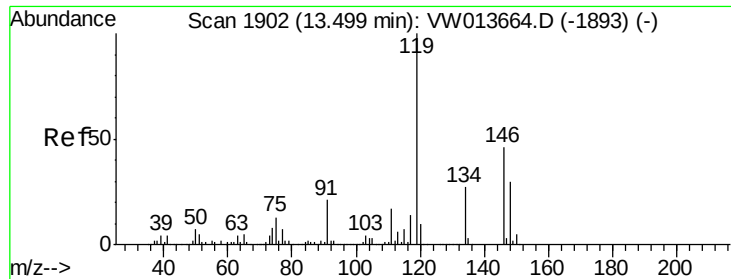
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.5 10.8 32.3





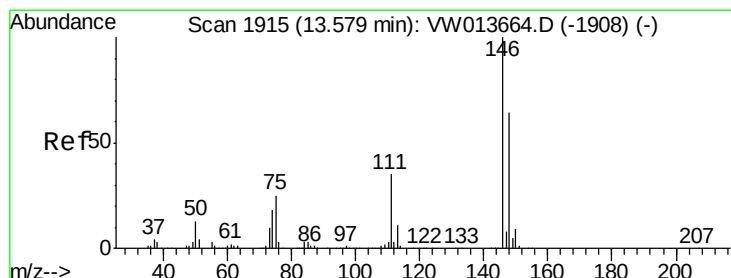
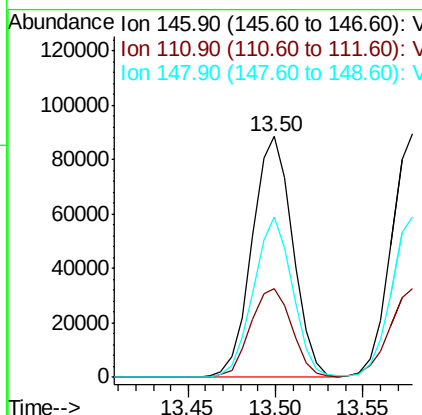
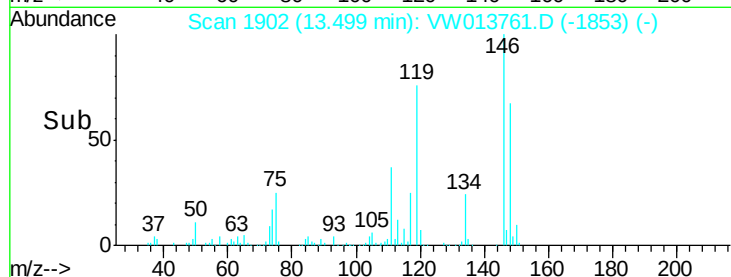
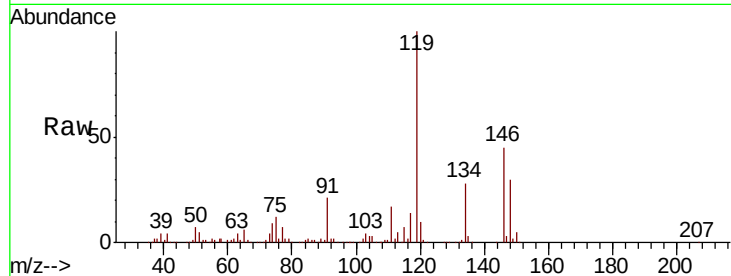
#87
 1,3-Dichlorobenzene
 Concen: 21.575 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.2	31.7	95.1

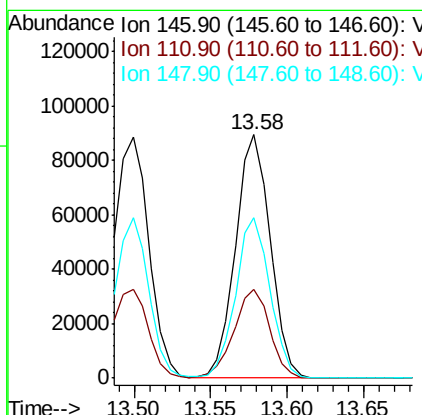
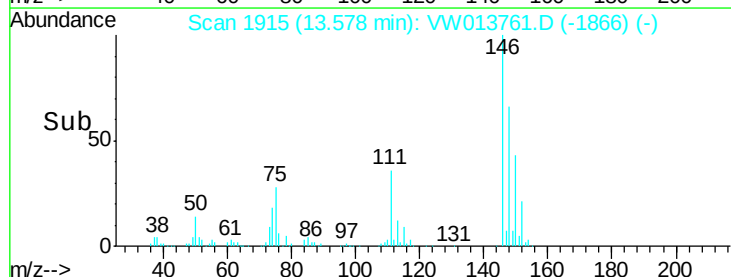
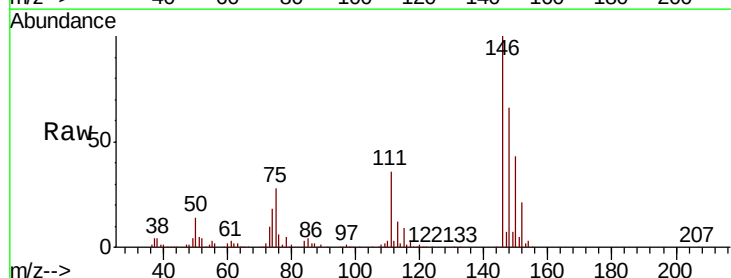
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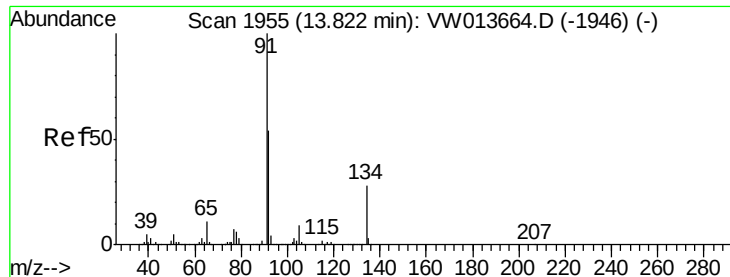
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#88
 1,4-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.3
148	65.1	32.0	96.2





#89

n-Butylbenzene

Concen: 21.805 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

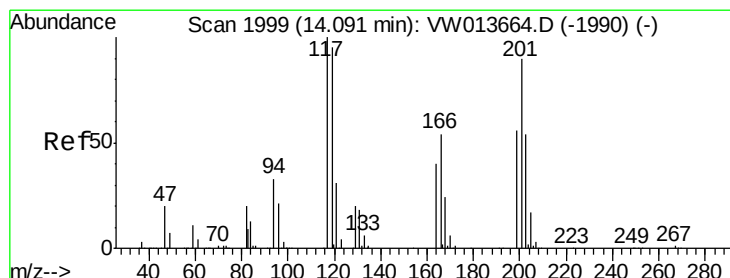
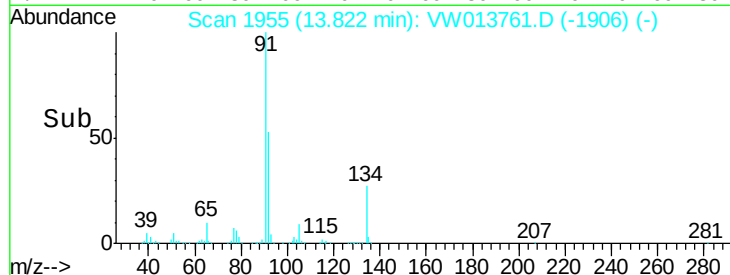
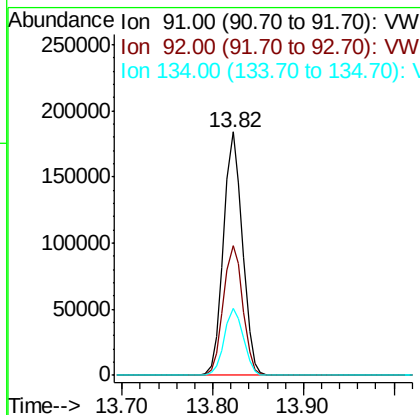
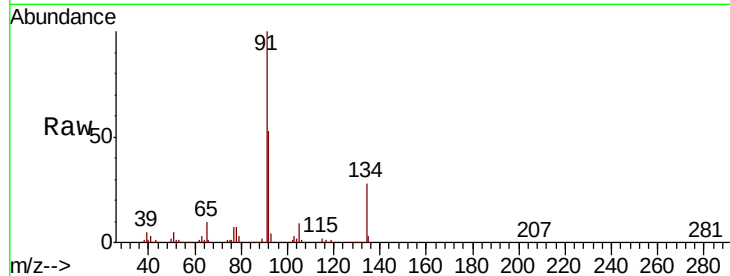
ClientSampleId :

VW1028SBS01

Tot Ion:	91	Resp:	268570
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	27.9	14.0	41.9

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#90

Hexachloroethane

Concen: 20.680 ug/l

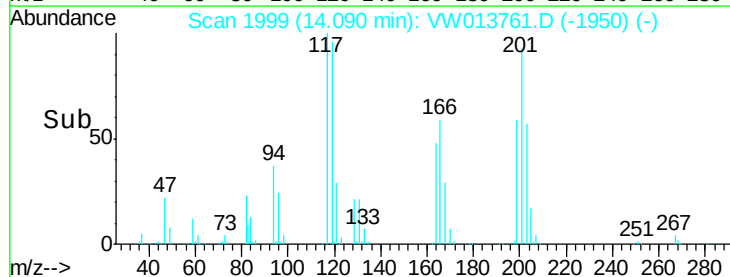
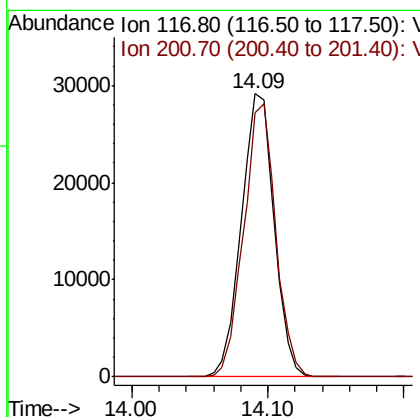
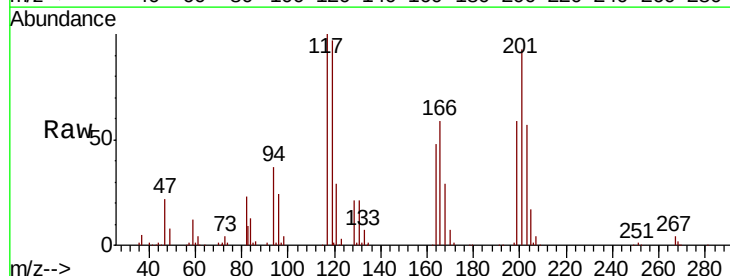
RT: 14.09 min Scan# 1999

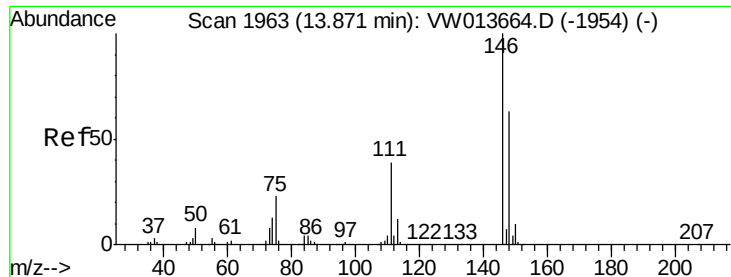
Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	117	Resp:	49048
Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.1	138.2





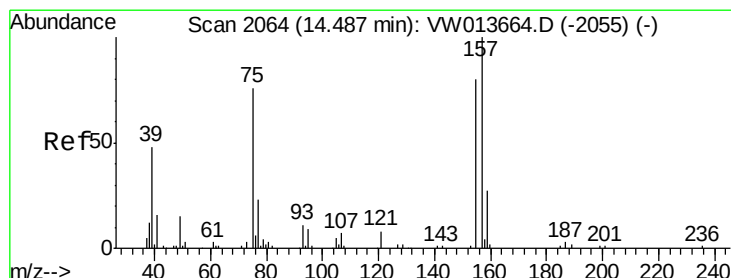
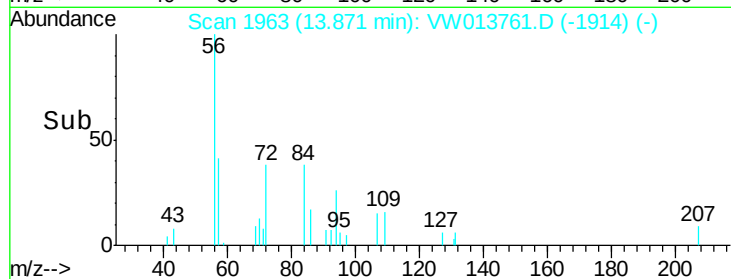
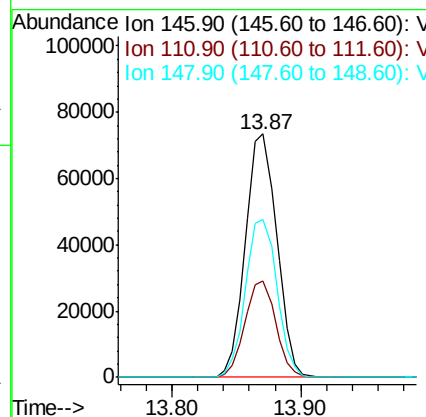
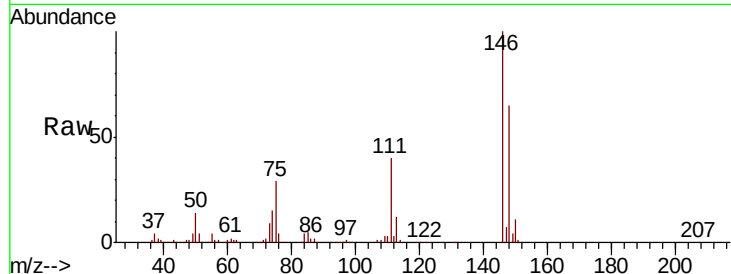
#91
 1,2-Dichlorobenzene
 Concen: 21.584 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	65.1	31.9	95.9

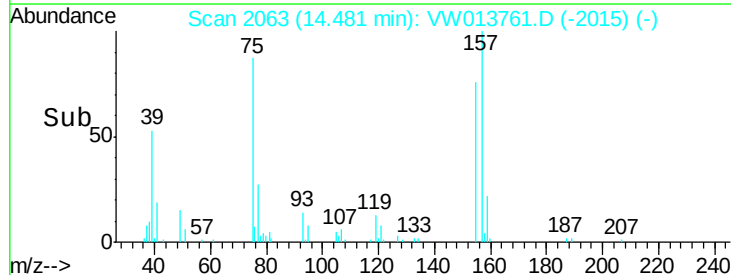
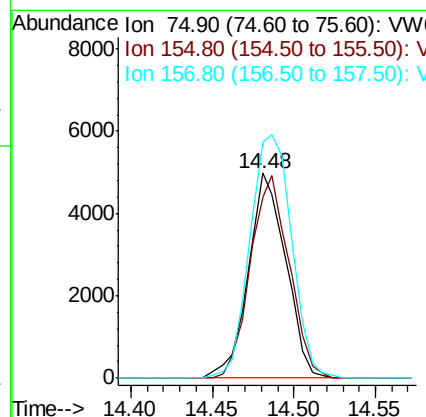
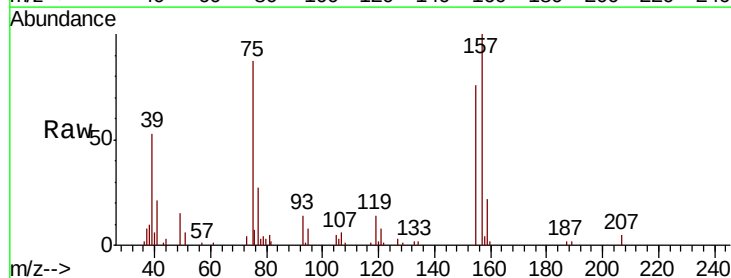
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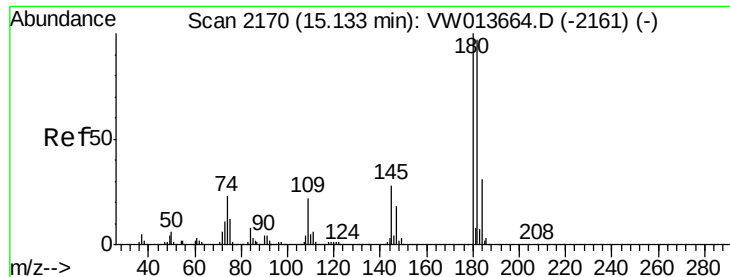
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.310 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	51.9	155.7
157	132.3	64.8	194.3





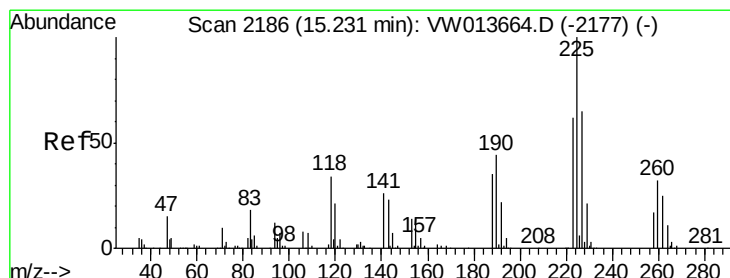
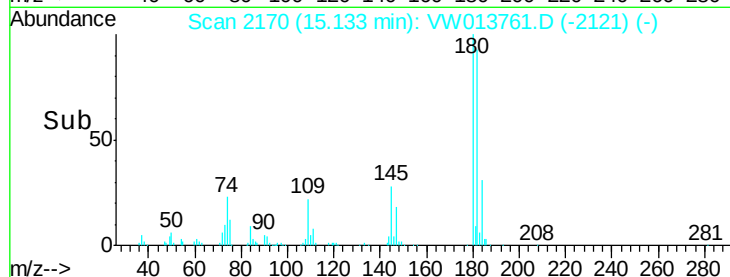
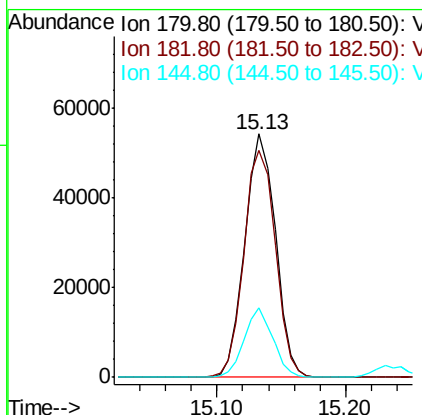
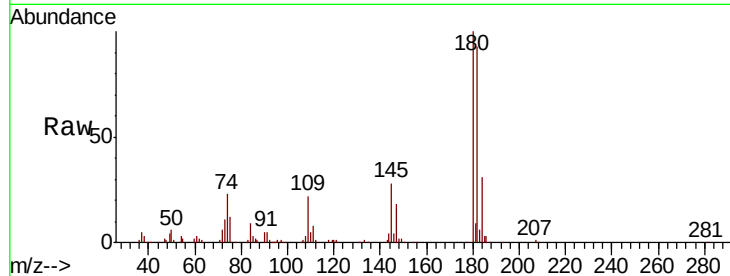
#93
 1,2,4-Trichlorobenzene
 Concen: 21.415 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	89416		
182	95.6	47.4	142.2	
145	26.8	14.1	42.3	

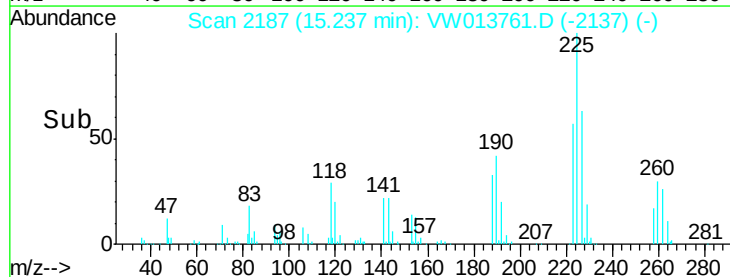
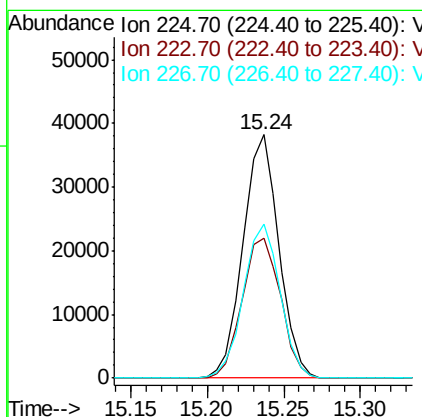
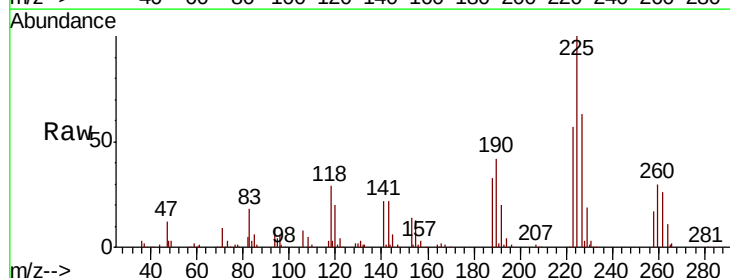
Manual Integrations
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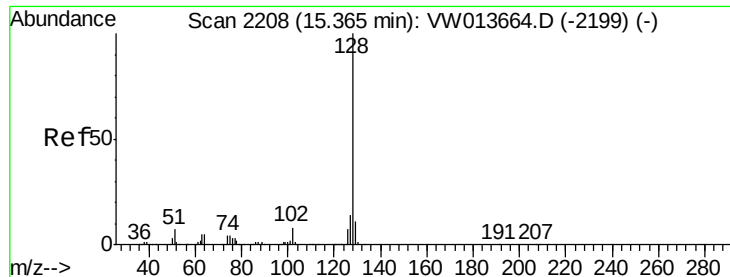
MMDadoda
 10/29/2019 2:05:04 PM



#94
 Hexachlorobutadiene
 Concen: 22.099 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62293		
223	61.5	31.9	95.9	
227	64.9	32.5	97.4	





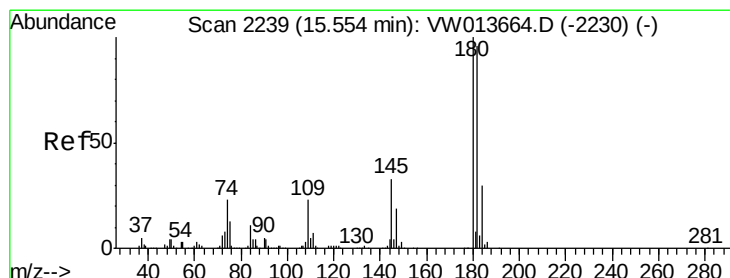
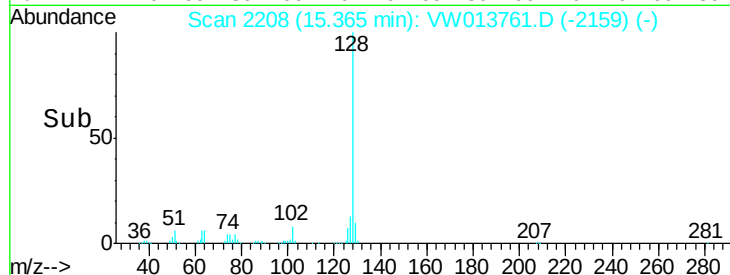
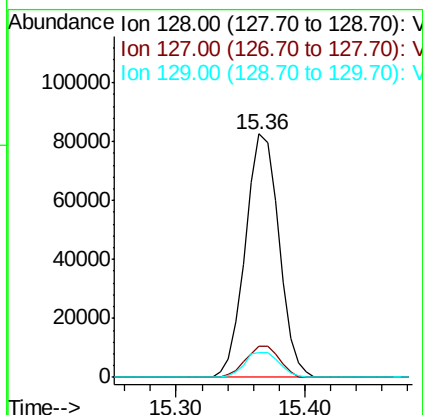
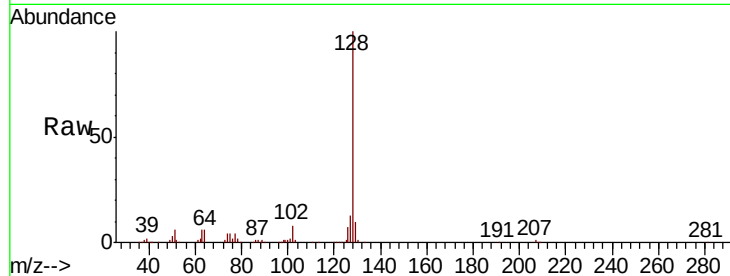
#95
Naphthalene
Concen: 22.820 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW1028SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.7	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 21.308 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	30.5	14.9	44.9

