

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010545.D
 Acq On : 24 May 2019 12:39
 Operator : SY/VA
 Sample : VW0524SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:17 PM

Quant Time: May 25 01:45:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	247065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67655	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
35) Dibromofluoromethane	7.88	113	75131	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.32	98	292261	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	109340	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22516	17.013	ug/l	99
3) Chloromethane	2.21	50	25186	16.311	ug/l	99
4) Vinyl Chloride	2.35	62	29276	16.368	ug/l	99
5) Bromomethane	2.76	94	21709	17.643	ug/l	99
6) Chloroethane	2.91	64	19861	17.298	ug/l	99
7) Trichlorofluoromethane	3.25	101	54141	20.503	ug/l	96
8) Diethyl Ether	3.68	74	16005	19.121	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33906	20.850	ug/l	98
10) Methyl Iodide	4.27	142	31821	17.120	ug/l	98
11) Tert butyl alcohol	5.17	59	13792	101.081	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	31989	20.607	ug/l	96
13) Acrolein	3.90	56	7353	77.050	ug/l	97
14) Allyl chloride	4.67	41	42949	19.114	ug/l	98
15) Acrylonitrile	5.37	53	27101	77.309	ug/l	99
16) Acetone	4.13	43	24037	77.630	ug/l	94
17) Carbon Disulfide	4.38	76	84955	18.348	ug/l	98
18) Methyl Acetate	4.67	43	12329	16.281	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	69305	17.513	ug/l	100
20) Methylene Chloride	4.92	84	37395	17.263	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	36181	20.320	ug/l	94
22) Diisopropyl ether	6.31	45	85902	18.645	ug/l	94
23) Vinyl Acetate	6.26	43	233445	84.822	ug/l	99
24) 1,1-Dichloroethane	6.22	63	55904	20.333	ug/l	97
25) 2-Butanone	7.17	43	37139	83.813	ug/l	96
26) 2,2-Dichloropropane	7.17	77	59255	22.625	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	39709	20.513	ug/l	98
28) Bromochloromethane	7.51	49	19307	19.613	ug/l	93
29) Tetrahydrofuran	7.53	42	22035	73.488	ug/l	100
30) Chloroform	7.67	83	60032	20.242	ug/l	100
31) Cyclohexane	7.95	56	56382	19.577	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	58098	20.497	ug/l	98
36) 1,1-Dichloropropene	8.08	75	48372	21.017	ug/l	99
37) Ethyl Acetate	7.25	43	16603	16.964	ug/l	98
38) Carbon Tetrachloride	8.07	117	53103	21.389	ug/l	99

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Quant Time: May 25 01:45:29 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65128	21.121	ug/l	99
40) Benzene	8.32	78	135693	21.212	ug/l	99
41) Methacrylonitrile	7.49	41	9932	17.079	ug/l	93
42) 1,2-Dichloroethane	8.40	62	35545	19.441	ug/l	99
43) Isopropyl Acetate	8.43	43	31466	16.093	ug/l	97
44) Trichloroethene	9.09	130	40721	21.442	ug/l	100
45) 1,2-Dichloropropane	9.37	63	30637	20.166	ug/l	98
46) Dibromomethane	9.46	93	16713	18.810	ug/l	96
47) Bromodichloromethane	9.64	83	43788	19.611	ug/l	97
48) Methyl methacrylate	9.44	41	15066	16.843	ug/l	94
49) 1,4-Dioxane	9.46	88	4208	289.923	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	76229	76.938	ug/l	98
52) Toluene	10.39	92	92305	21.486	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	42019	18.582	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	50773	19.660	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	24581	19.239	ug/l	97
56) Ethyl methacrylate	10.65	69	29302	16.629	ug/l	97
57) 1,3-Dichloropropane	10.93	76	40788	19.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	64700	82.896	ug/l	96
59) 2-Hexanone	10.97	43	52577	74.390	ug/l	97
60) Dibromochloromethane	11.13	129	30812	19.055	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23407	18.085	ug/l	97
64) Tetrachloroethene	10.86	164	32829	21.666	ug/l	97
65) Chlorobenzene	11.66	112	98188	21.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	34803	20.972	ug/l	99
67) Ethyl Benzene	11.73	91	175262	21.429	ug/l	98
68) m/p-Xylenes	11.84	106	137602	42.893	ug/l	100
69) o-Xylene	12.16	106	65386	21.513	ug/l	99
70) Styrene	12.18	104	108868	21.110	ug/l	100
71) Bromoform	12.35	173	15837	17.330	ug/l #	99
73) Isopropylbenzene	12.47	105	178784	21.958	ug/l	99
74) N-amyl acetate	12.27	43	28516	15.283	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	25693	17.349	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18354m	17.622	ug/l	
77) Bromobenzene	12.75	156	39206	21.517	ug/l	97
78) n-propylbenzene	12.80	91	206765	21.791	ug/l	100
79) 2-Chlorotoluene	12.90	91	117346	21.325	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	148641	21.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7846	15.722	ug/l	98
82) 4-Chlorotoluene	12.99	91	122818	21.503	ug/l	100
83) tert-Butylbenzene	13.21	119	130587	21.679	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	147039	21.409	ug/l	99
85) sec-Butylbenzene	13.38	105	182493	21.649	ug/l	99
86) p-Isopropyltoluene	13.50	119	166186	21.781	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	78228	21.883	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	76590	21.354	ug/l	98
89) n-Butylbenzene	13.83	91	153581	21.162	ug/l	99
90) Hexachloroethane	14.10	117	31213	21.135	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	67690	20.782	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4174	15.158	ug/l	97

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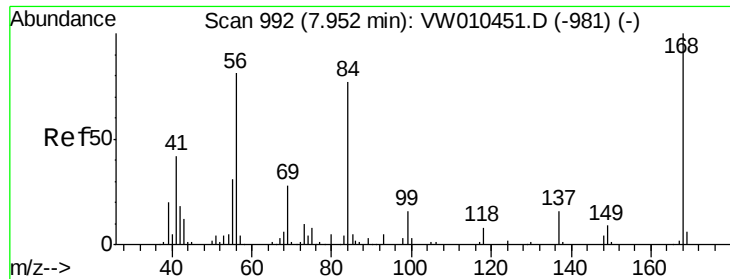
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43711	19.724	ug/l	99
94) Hexachlorobutadiene	15.24	225	25015	21.129	ug/l	97
95) Naphthalene	15.37	128	76320	16.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	36854	19.326	ug/l	98

(#) = 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. -0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion:168 Resp: 146963

Ion Ratio Lower Upper

168 100

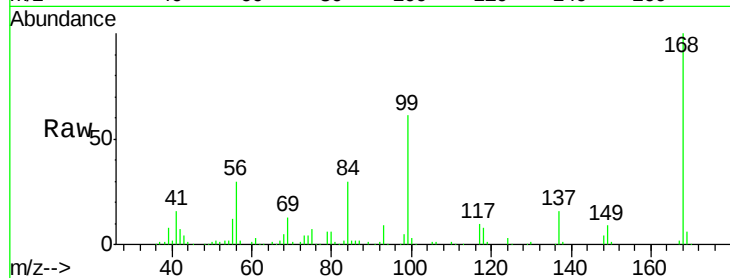
99 61.2 46.1 69.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

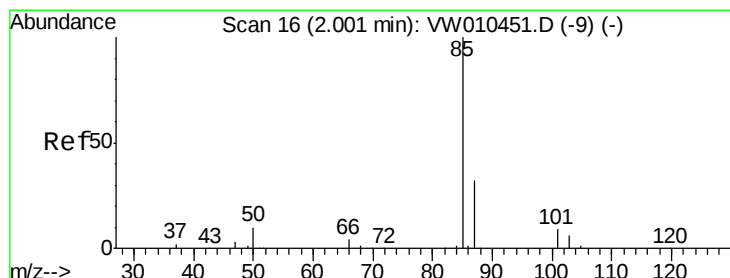
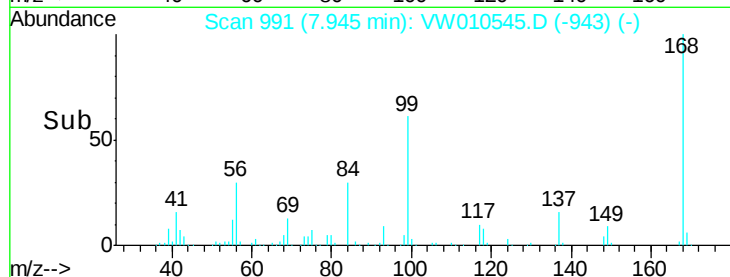
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.013 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010545.D

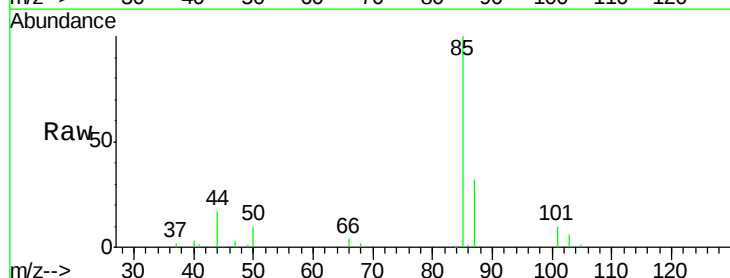
Acq: 24 May 2019 12:39

Tgt Ion: 85 Resp: 22516

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

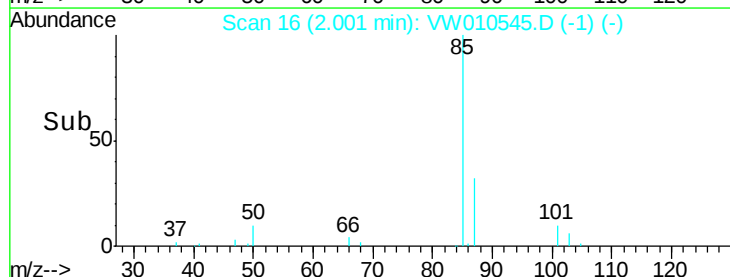
10000

5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 16.311 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 50 Resp: 25186

Ion Ratio Lower Upper

50 100

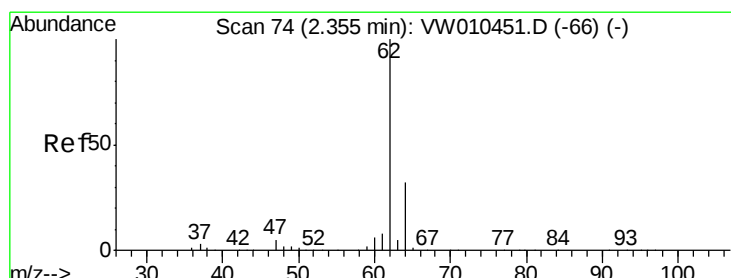
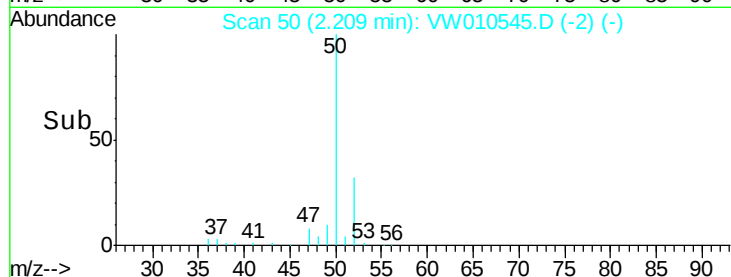
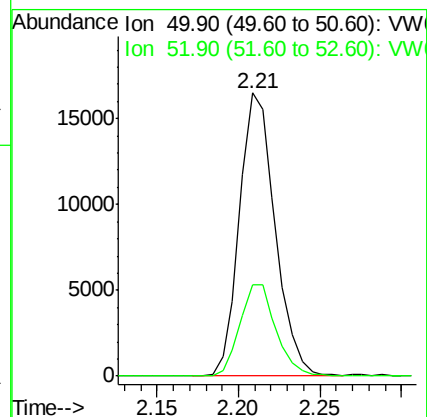
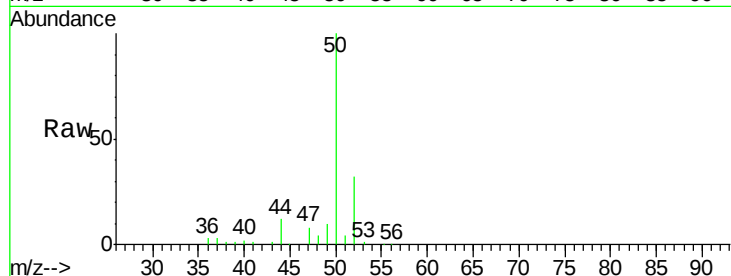
52 32.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.368 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010545.D

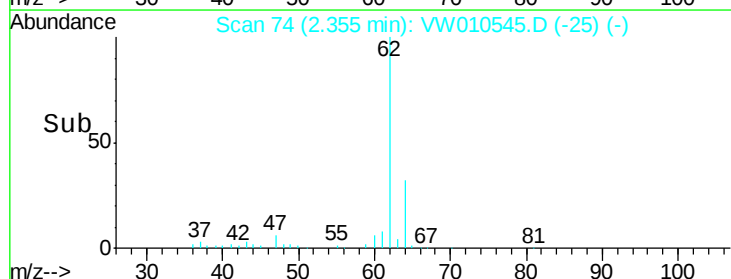
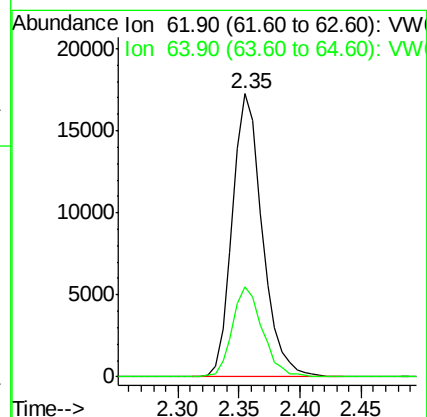
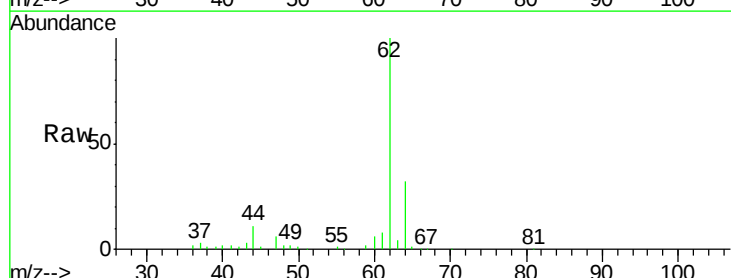
Acq: 24 May 2019 12:39

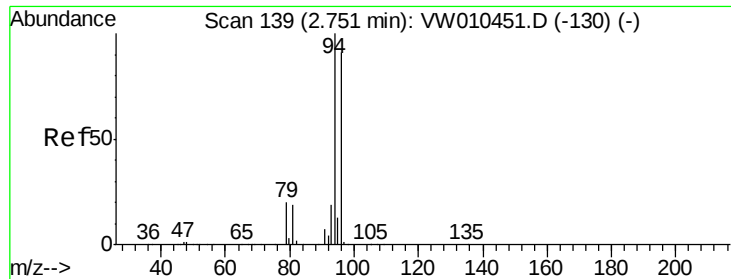
Tgt Ion: 62 Resp: 29276

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 17.643 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 94 Resp: 21709

Ion Ratio Lower Upper

94 100

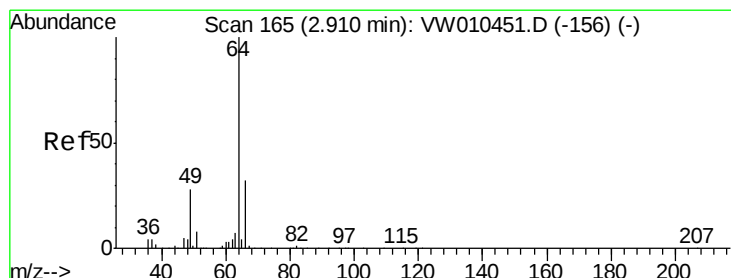
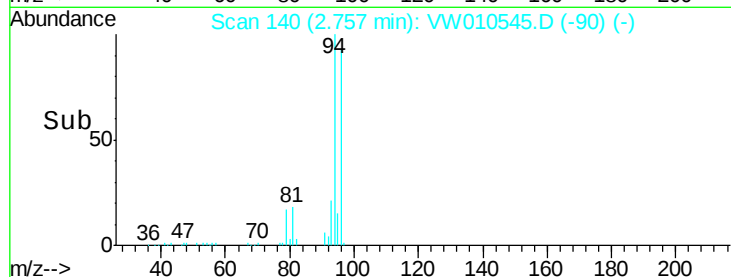
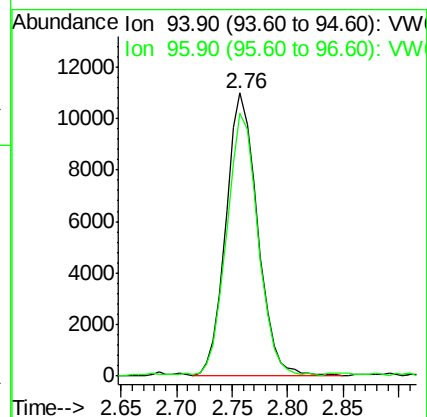
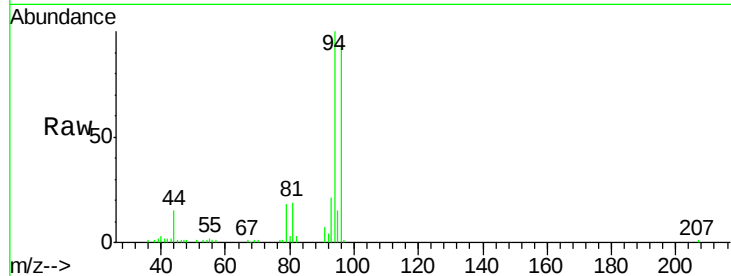
96 92.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.298 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010545.D

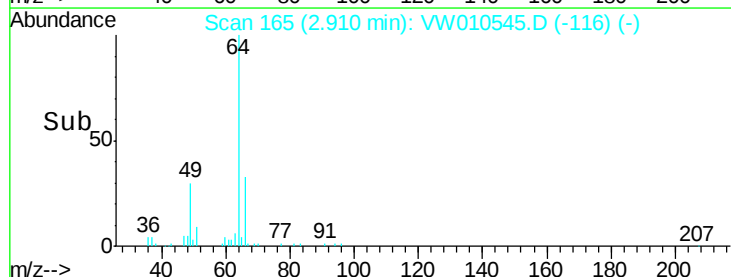
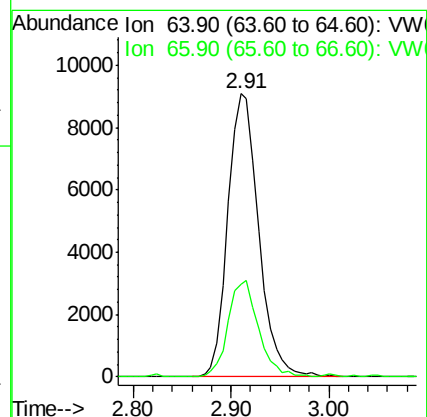
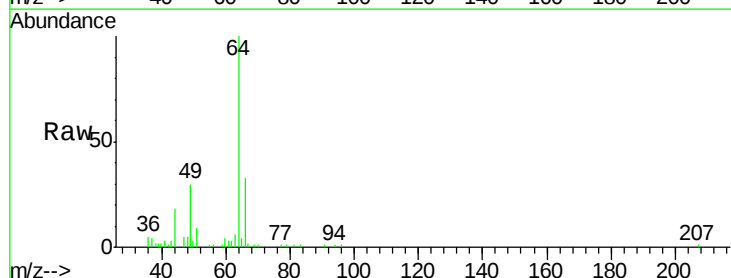
Acq: 24 May 2019 12:39

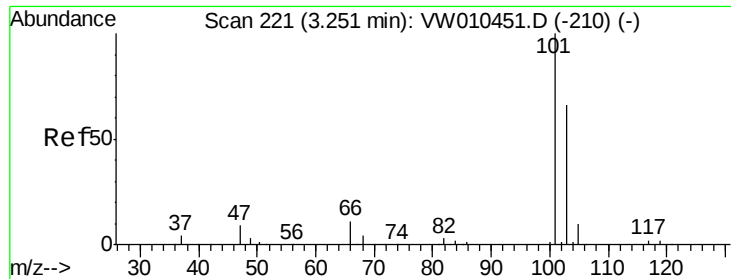
Tgt Ion: 64 Resp: 19861

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

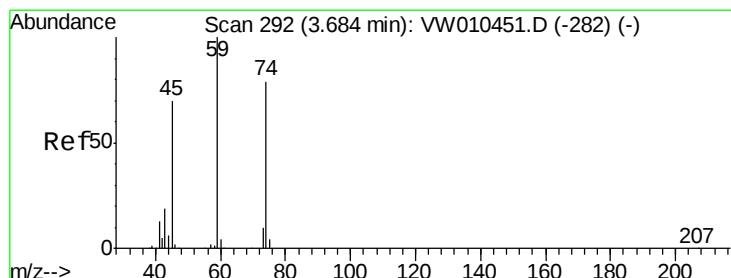
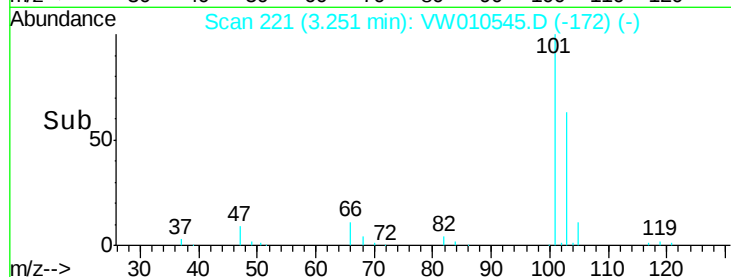
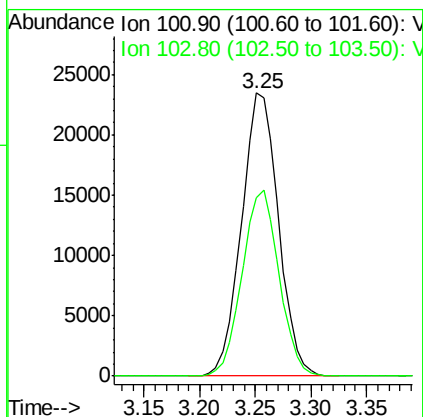
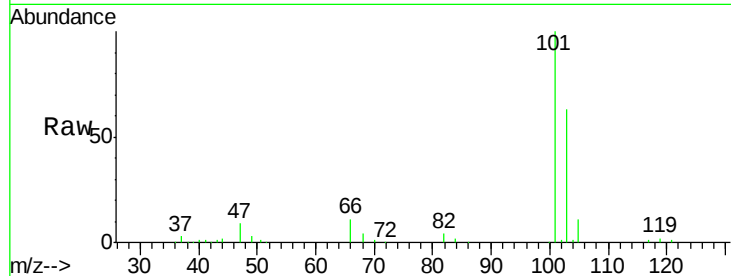
Trichlorofluoromethane
Concen: 20.503 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

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ClientSampleId :
VW0524SBS01

Tot Ion:101 Resp: 54141
Ion Ratio Lower Upper
101 100
103 62.9 53.0 79.4

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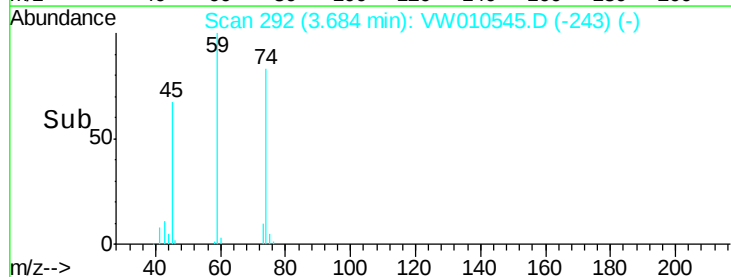
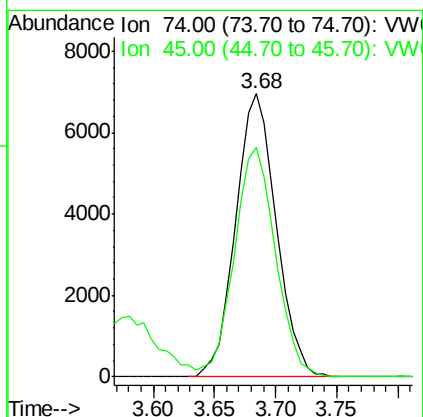
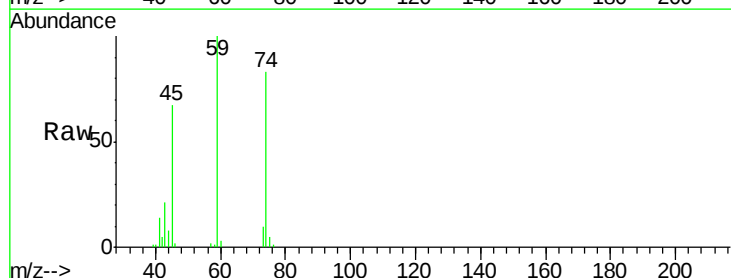
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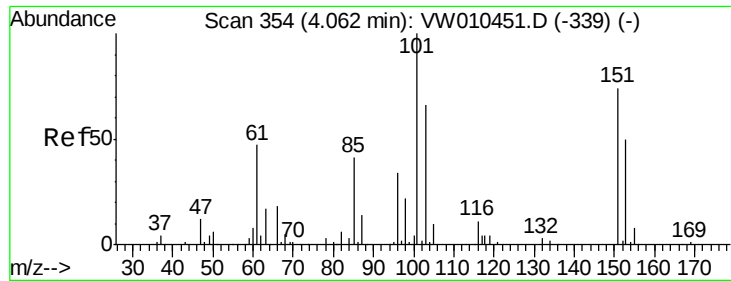


#8

Diethyl Ether
Concen: 19.121 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion: 74 Resp: 16005
Ion Ratio Lower Upper
74 100
45 82.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.850 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

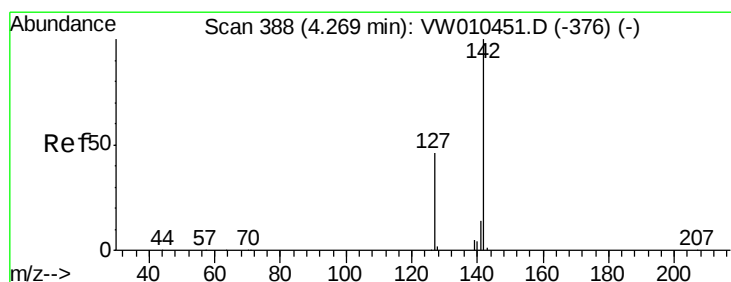
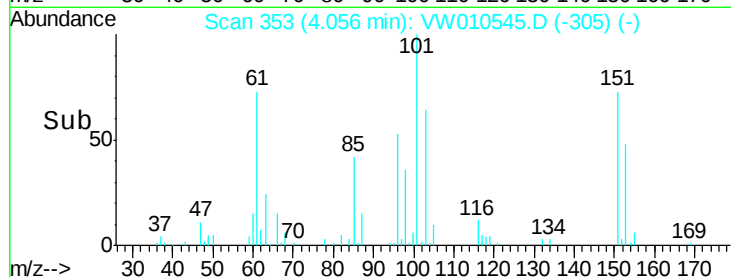
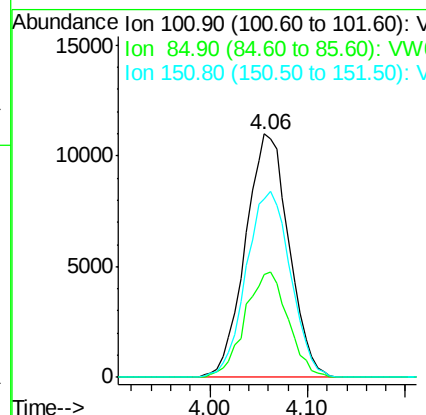
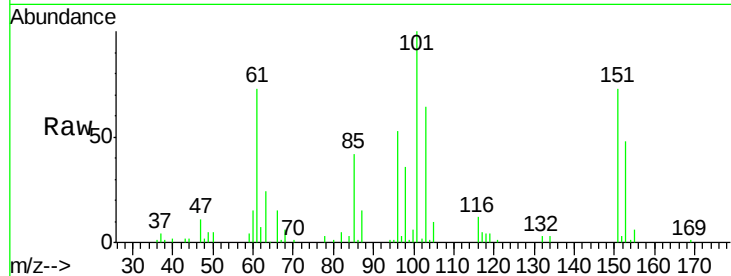
ClientSampleId :

VW0524SBS01

Tot Ion:	101	Resp:	33906
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	78.2	60.3	90.5

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#10

Methyl Iodide

Concen: 17.120 ug/l

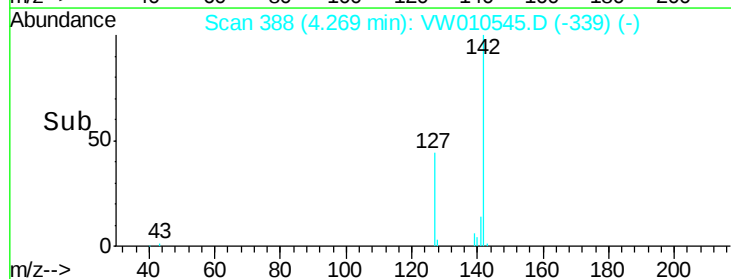
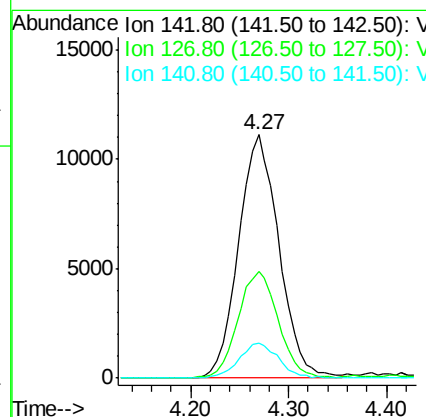
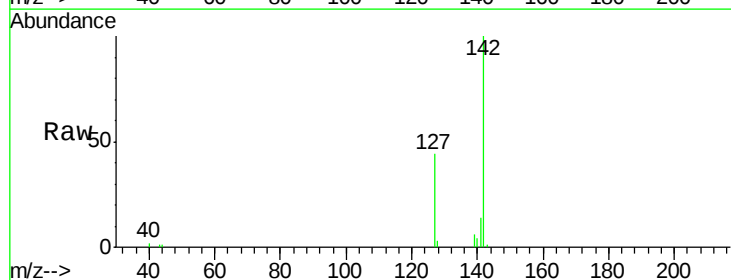
RT: 4.27 min Scan# 388

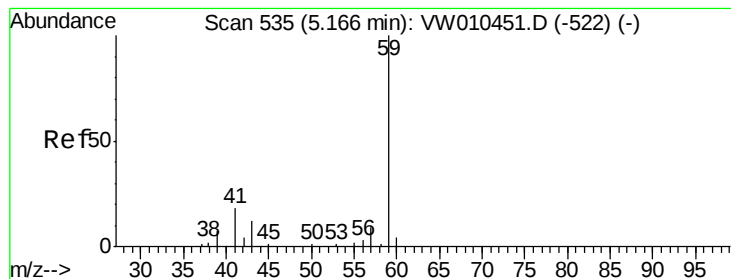
Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	142	Resp:	31821
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.1	54.1
141	14.0	11.3	16.9





#11

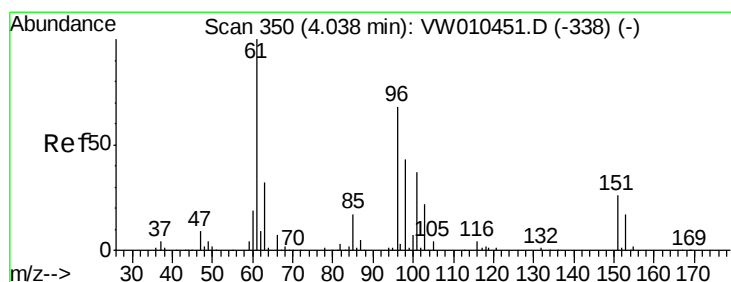
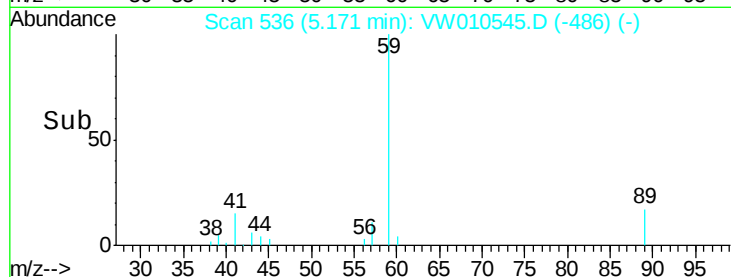
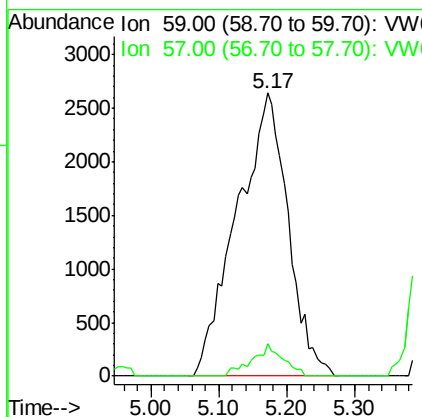
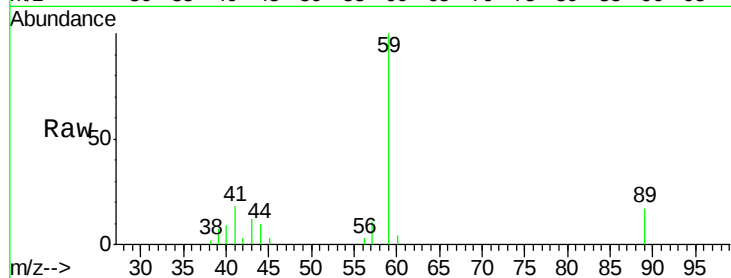
Tert butyl alcohol
Concen: 101.081 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	13792		
57	6.9	8.8	13.2#	

Manual Integrations
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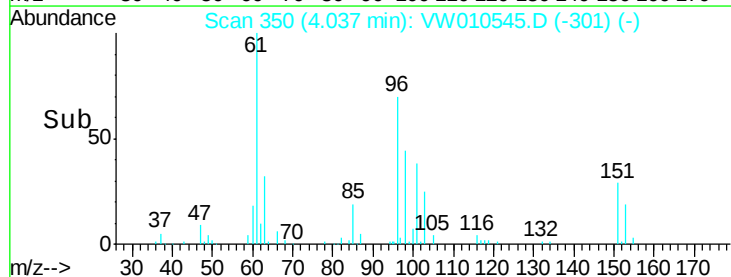
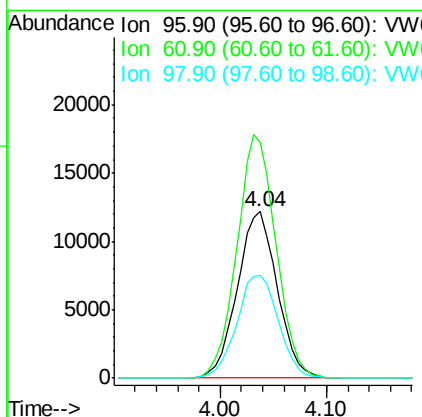
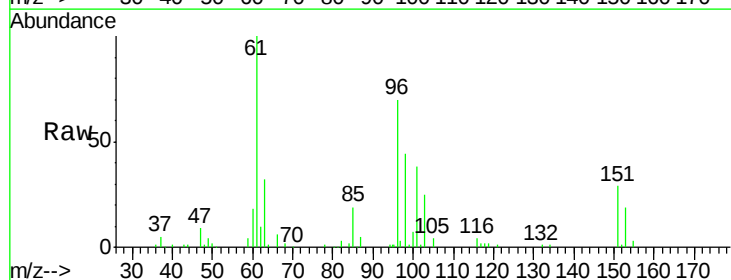
MMDadoda
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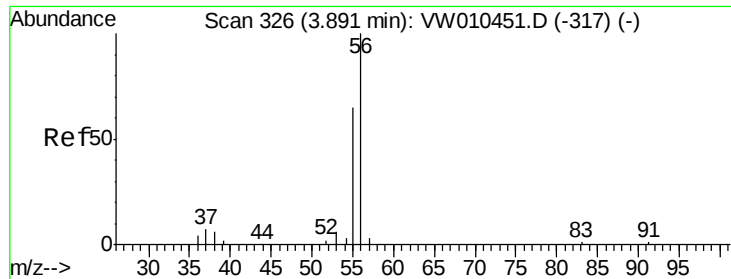


#12

1,1-Dichloroethene
Concen: 20.607 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	31989		
61	142.0	118.3	177.5	
98	62.1	51.0	76.6	





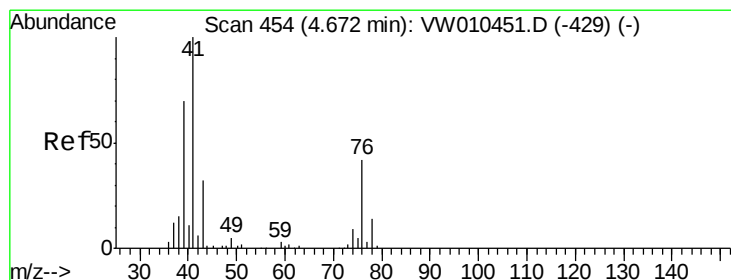
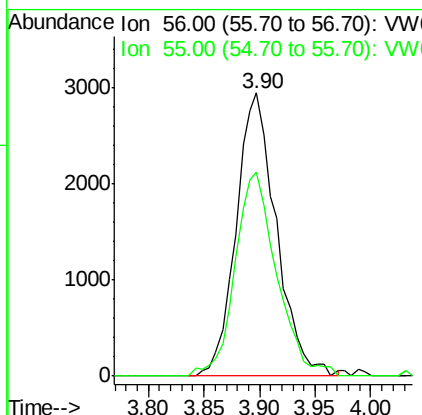
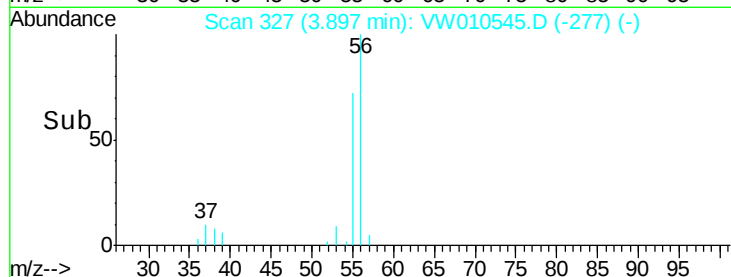
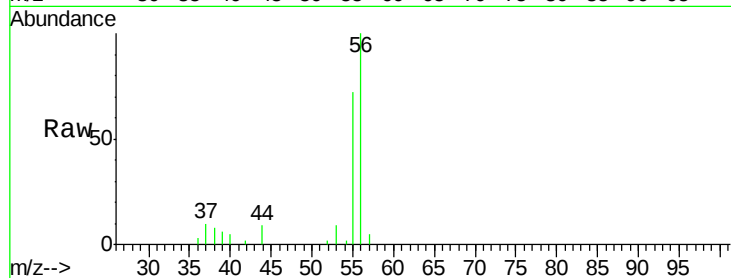
#13
Acrolein
Concen: 77.050 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.9	57.9	86.9

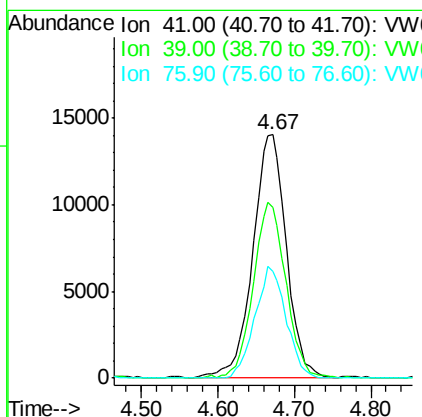
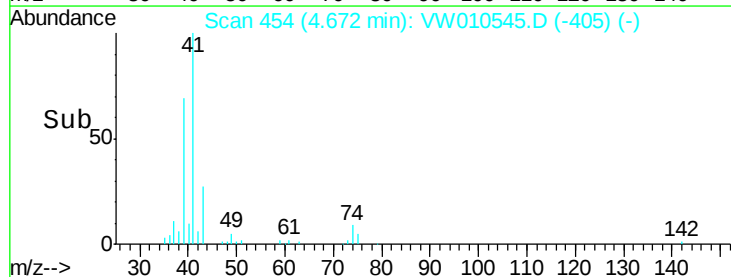
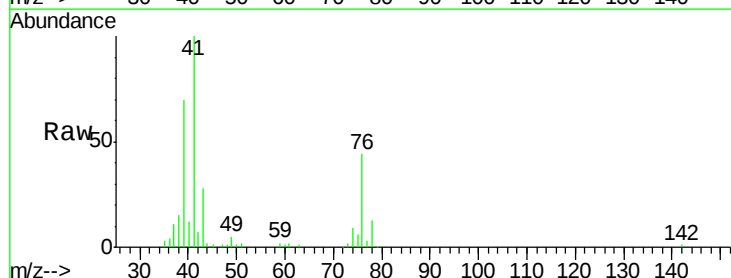
Manual Integrations
APPROVED

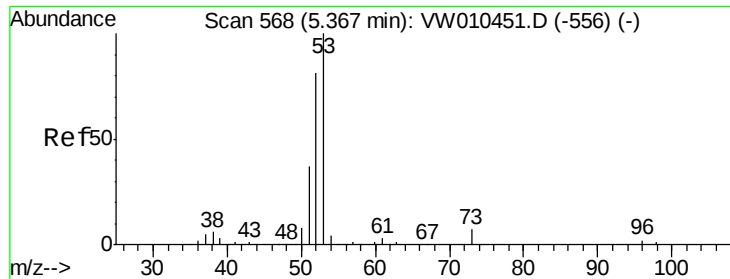
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#14
Allyl chloride
Concen: 19.114 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.4	55.0	82.4
76	42.4	32.8	49.2





#15

Acrylonitrile

Concen: 77.309 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

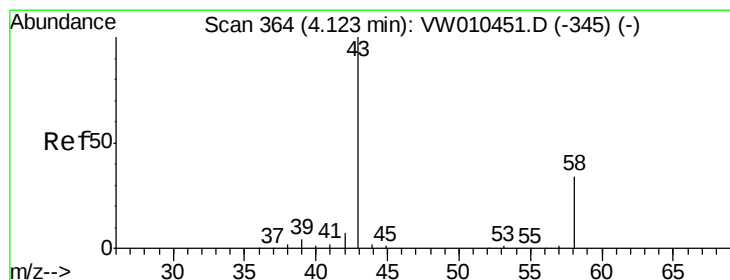
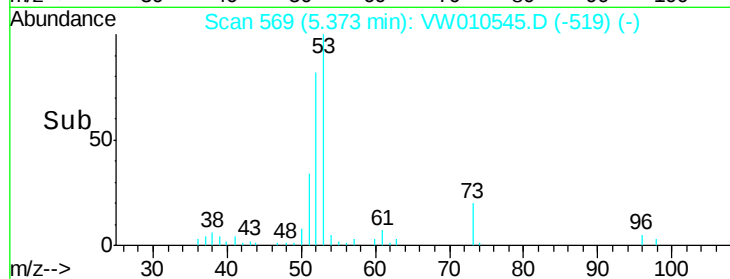
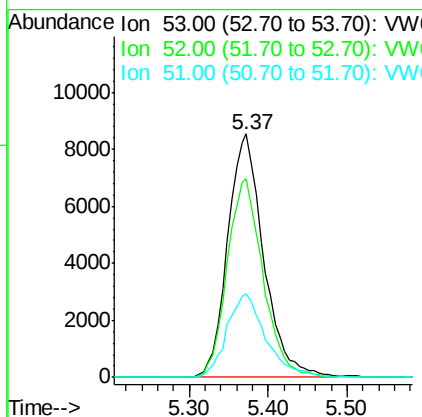
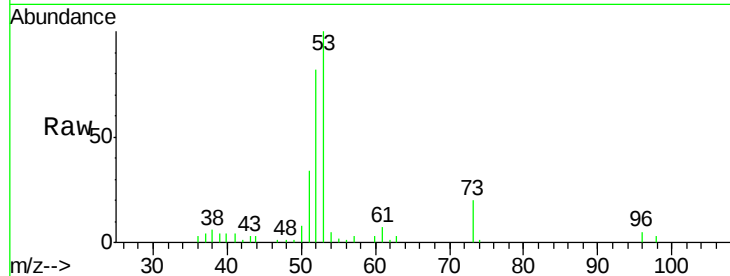
ClientSampleId :

VW0524SBS01

Tot Ion:	53	Resp:	27101
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.6	98.4
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 77.630 ug/l

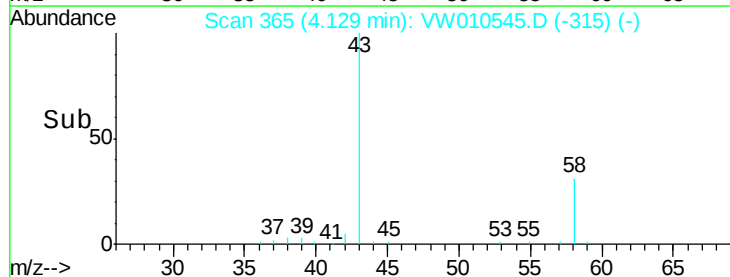
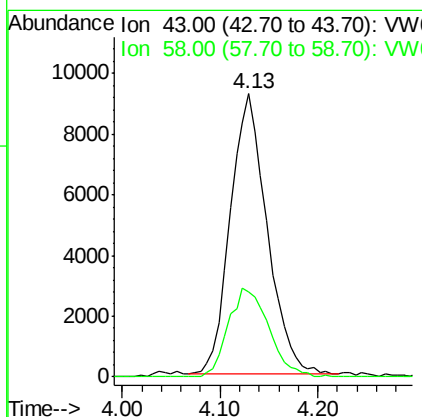
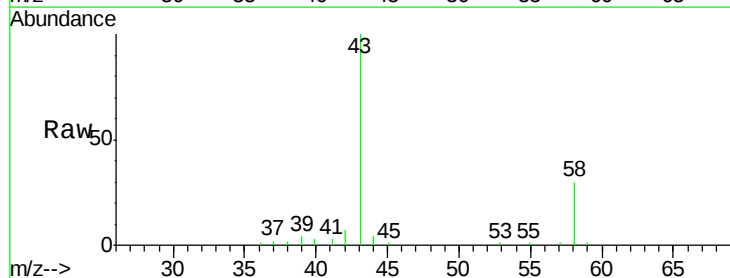
RT: 4.13 min Scan# 365

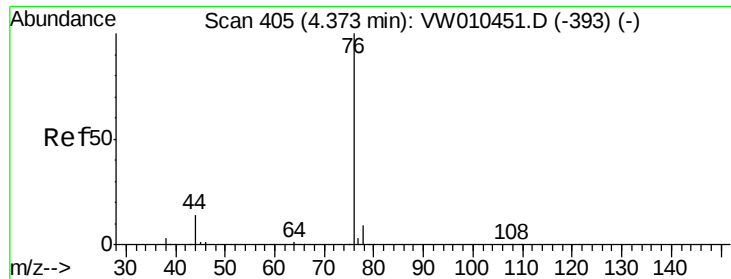
Delta R.T. 0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	43	Resp:	24037
Ion	Ratio	Lower	Upper
43	100		
58	30.5	27.0	40.4





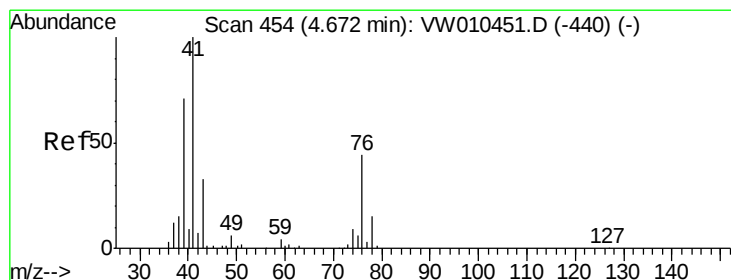
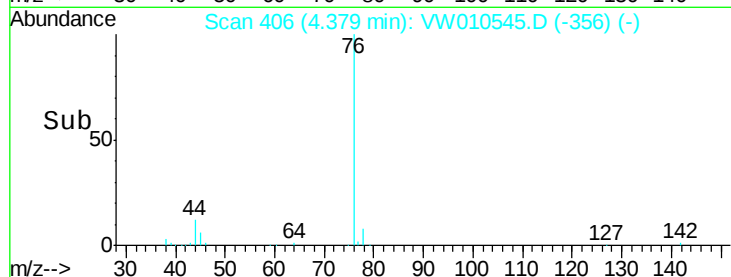
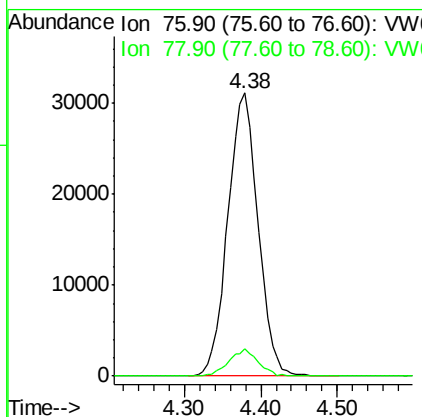
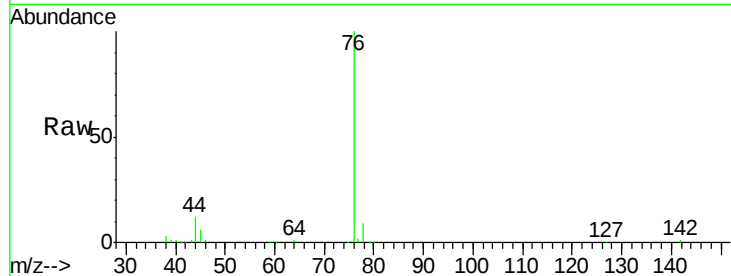
#17
Carbon Disulfide
Concen: 18.348 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion: 76 Resp: 84955
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

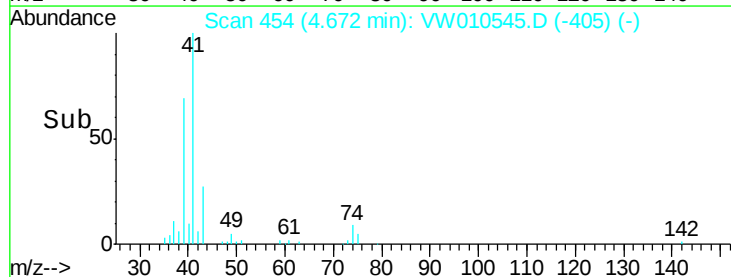
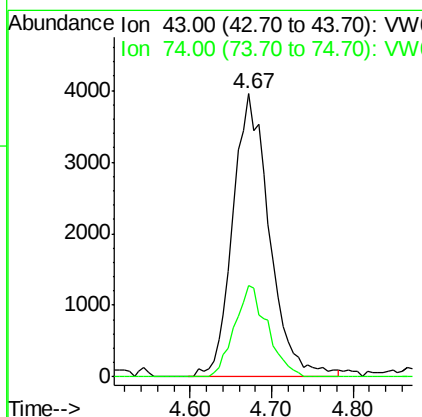
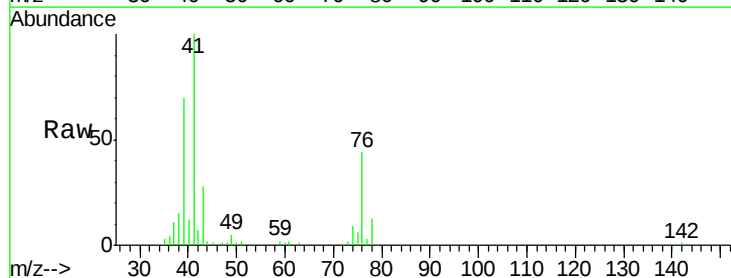
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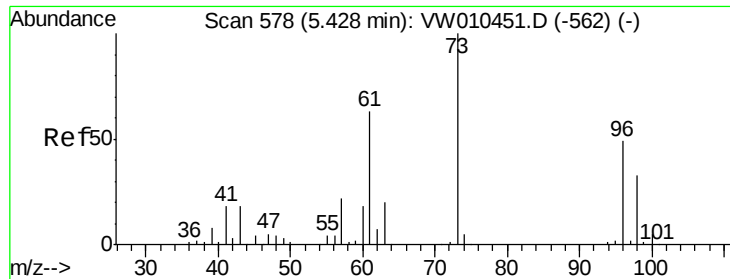
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#18
Methyl Acetate
Concen: 16.281 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion: 43 Resp: 12329
Ion Ratio Lower Upper
43 100
74 29.0 21.6 32.4





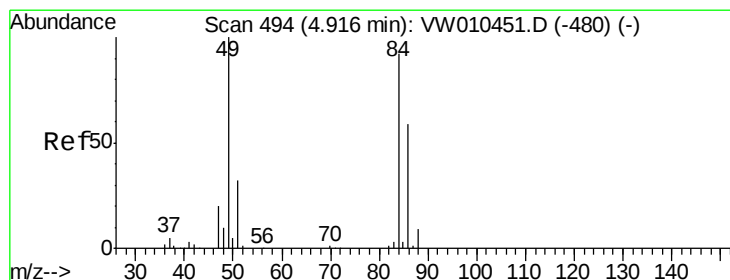
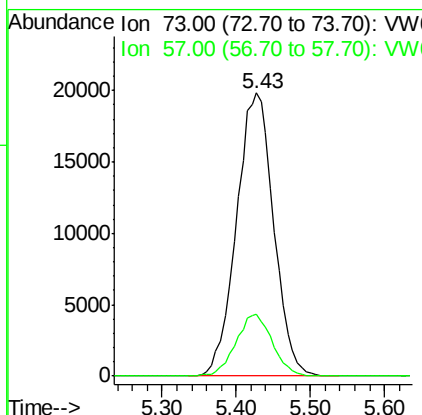
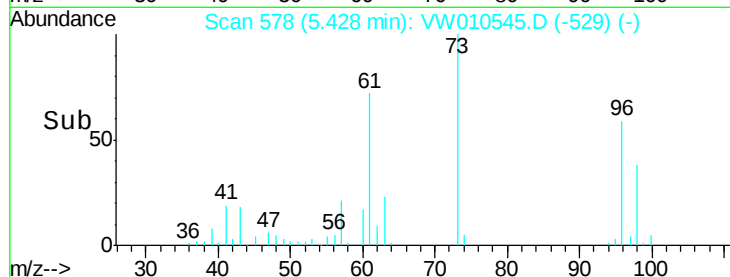
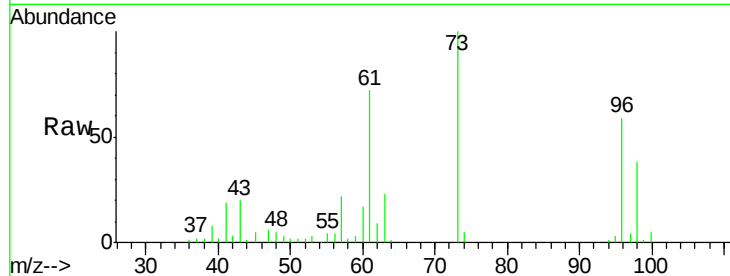
#19
Methvl tert-butvl Ether
Concen: 17.513 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion: 73 Resp: 69305
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

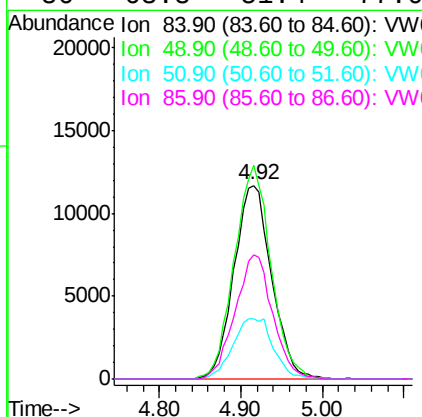
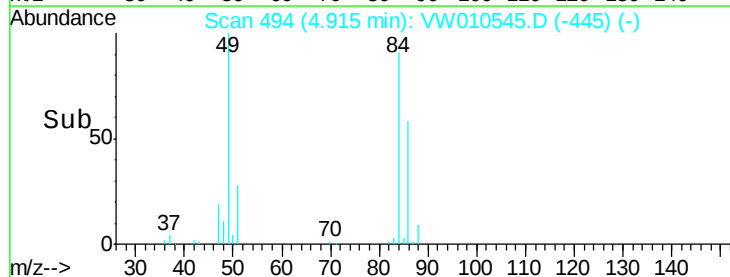
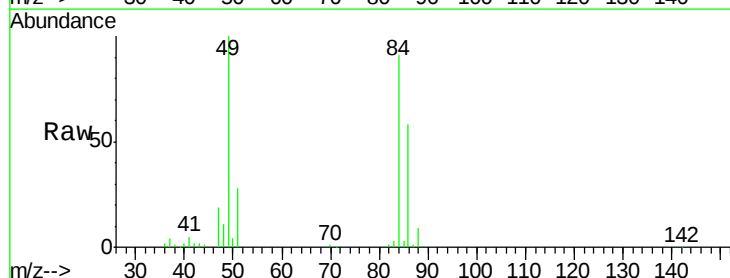
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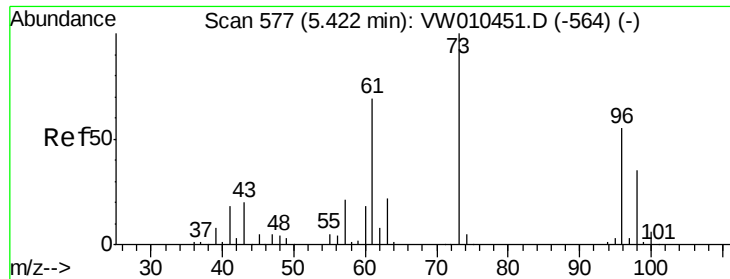
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#20
Methylene Chloride
Concen: 17.263 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion: 84 Resp: 37395
Ion Ratio Lower Upper
84 100
49 110.2 87.2 130.8
51 30.8 27.7 41.5
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.320 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

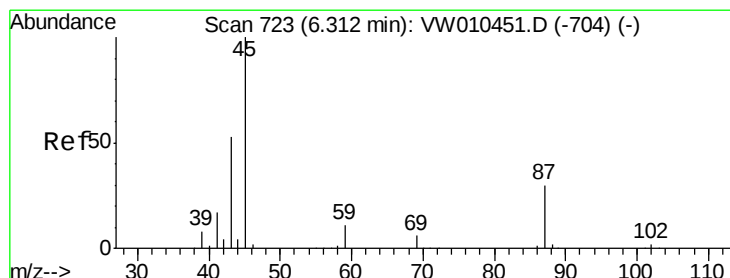
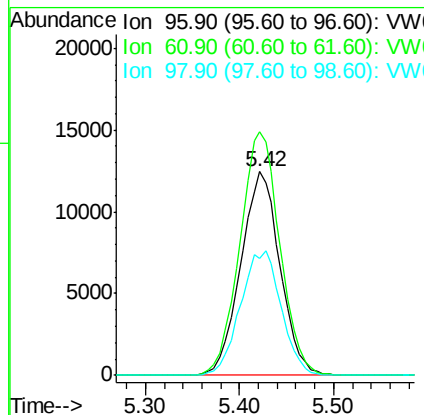
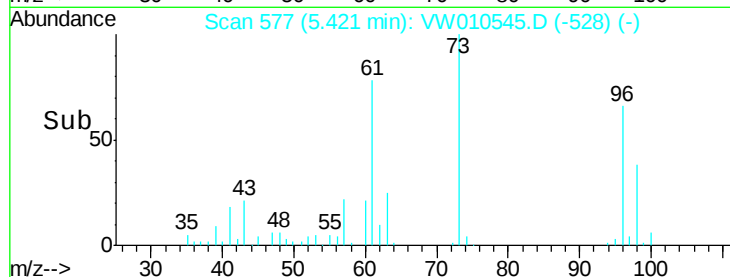
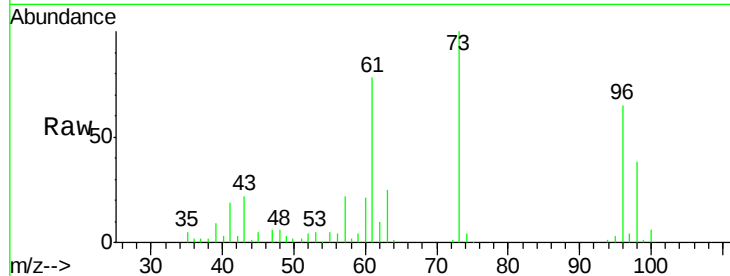
ClientSampleId :

VW0524SBS01

Tot Ion:	96	Resp:	36181
Ion	Ratio	Lower	Upper
96	100		
61	119.7	101.4	152.0
98	57.7	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.645 ug/l

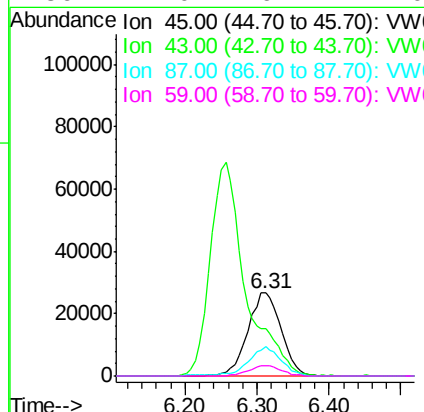
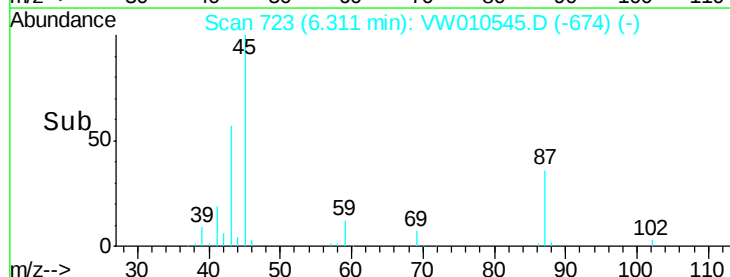
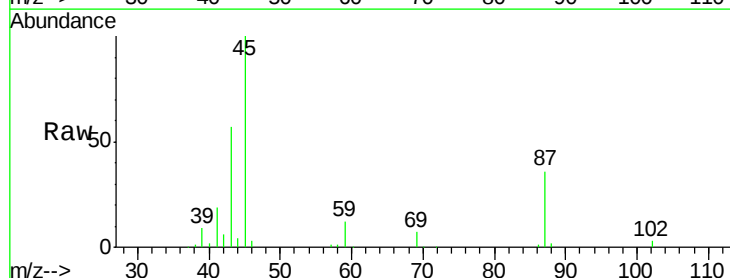
RT: 6.31 min Scan# 723

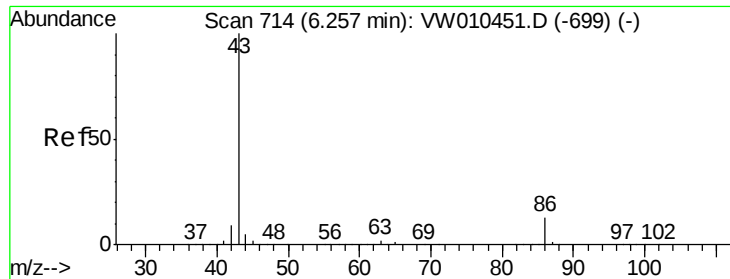
Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	45	Resp:	85902
Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.9	64.3
87	36.2	24.6	36.8
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 84.822 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 43 Resp: 233445

Ion Ratio Lower Upper

43 100

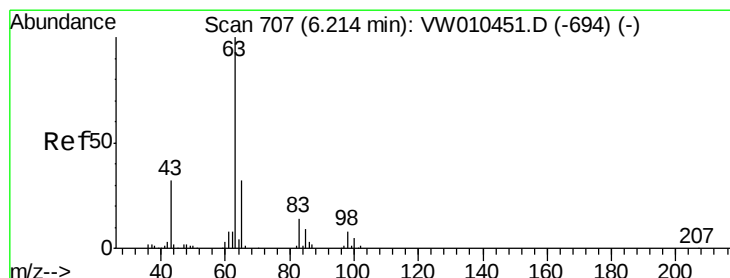
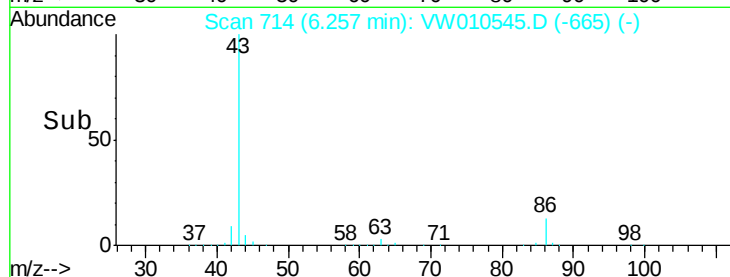
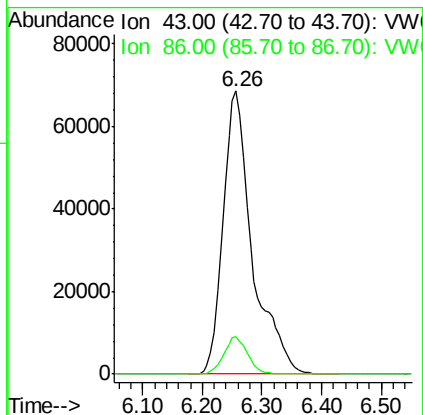
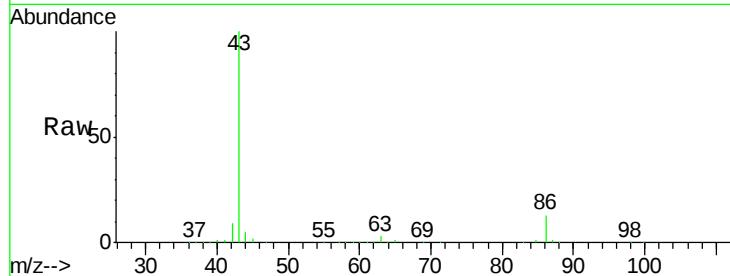
86 13.3 10.3 15.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.333 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

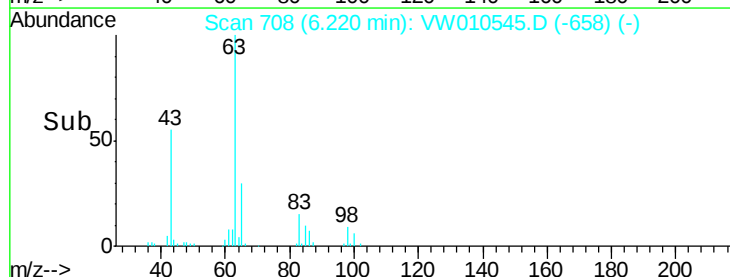
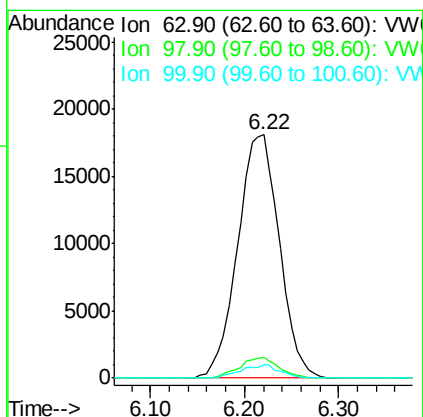
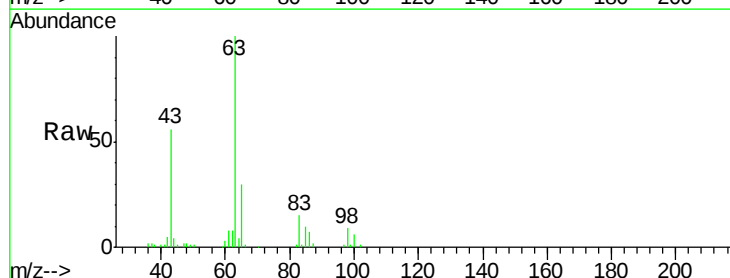
Tgt Ion: 63 Resp: 55904

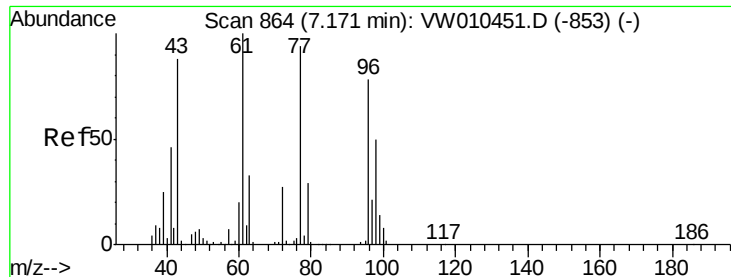
Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.2

100 5.5 2.5 7.4





#25

2-Butanone

Concen: 83.813 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampled :

VW0524SBS01

Tot Ion: 43 Resp: 37139

Ion Ratio Lower Upper

43 100

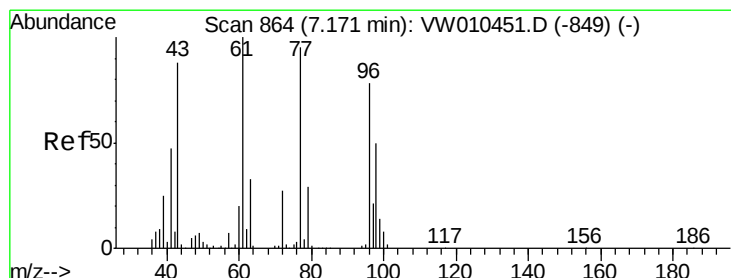
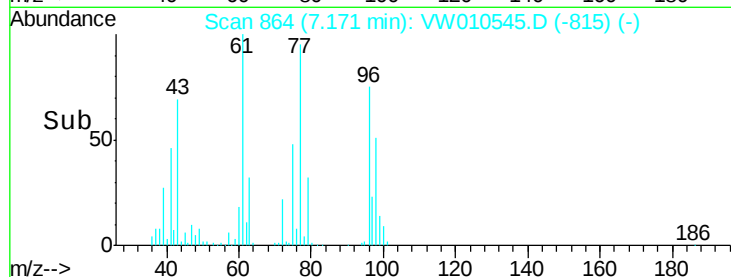
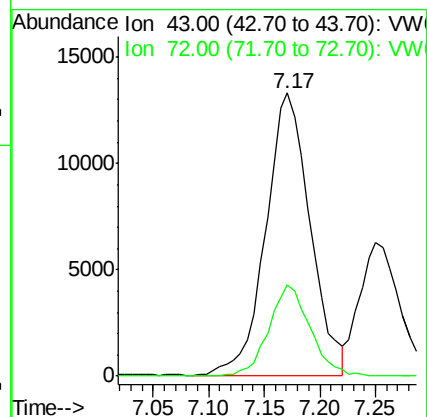
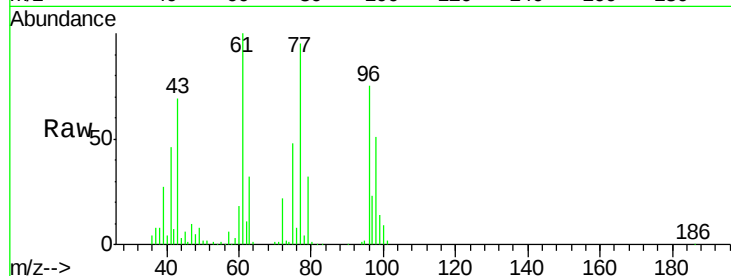
72 32.1 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.625 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010545.D

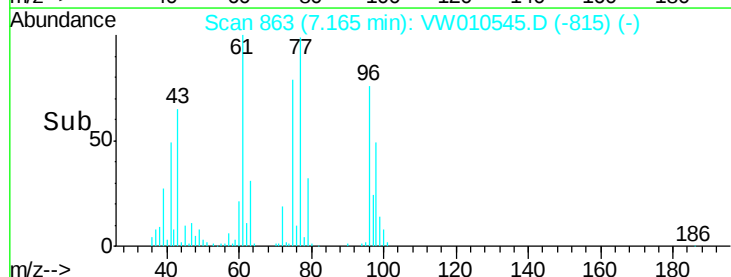
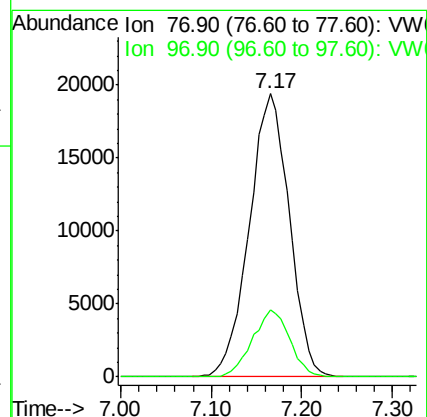
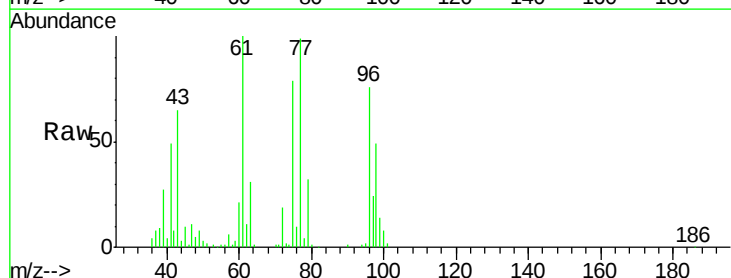
Acq: 24 May 2019 12:39

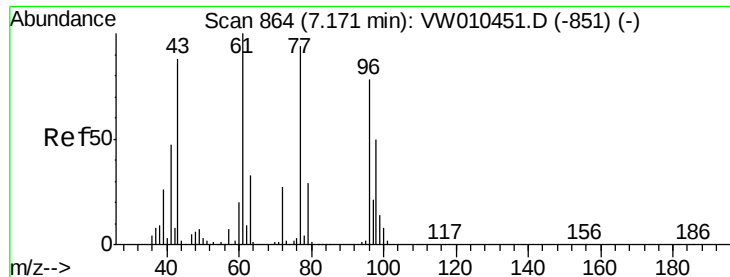
Tgt Ion: 77 Resp: 59255

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0





#27

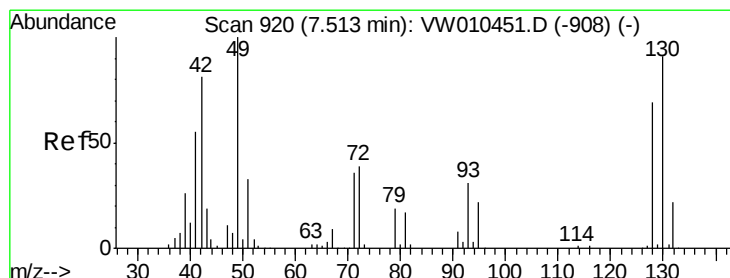
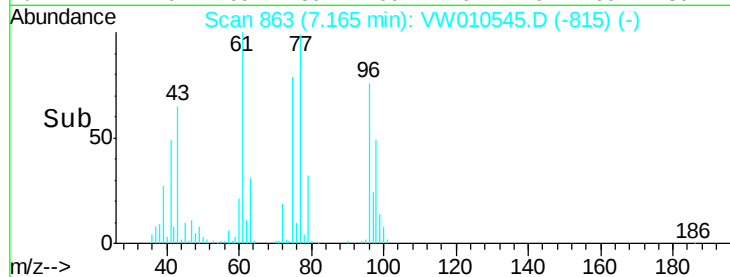
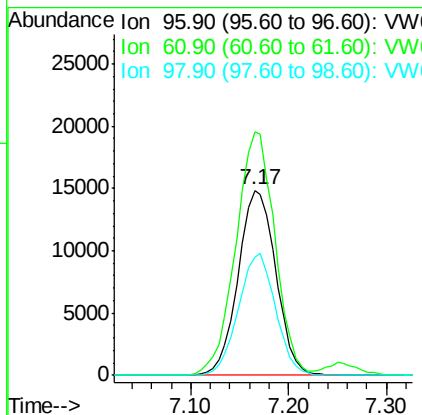
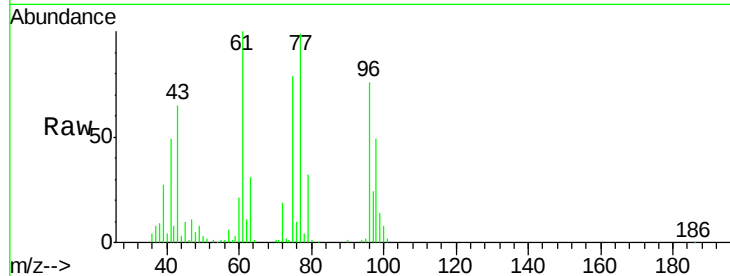
cis-1,2-Dichloroethene
 Concen: 20.513 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	265.4
98	64.8	0.0	129.4

Manual Integrations
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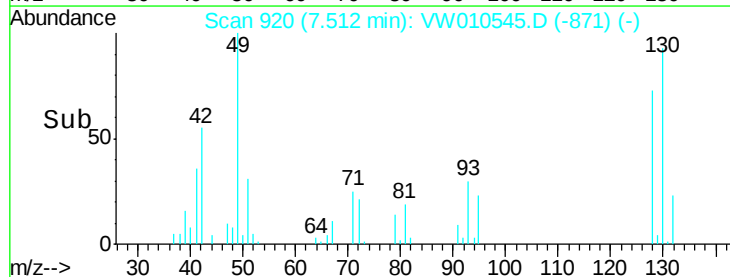
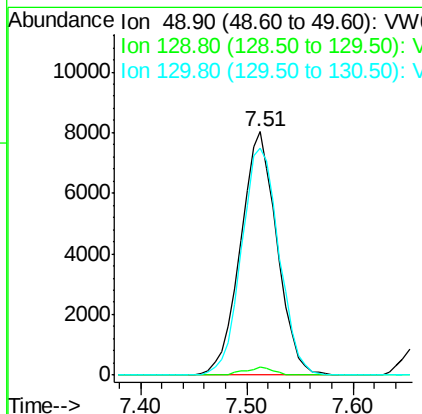
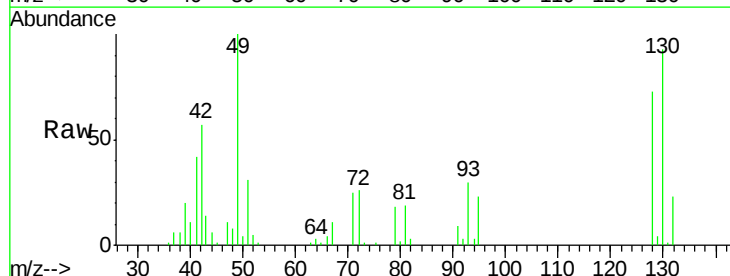
MMDadoda
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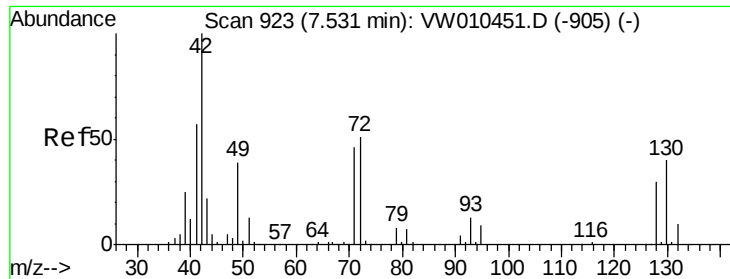


#28

Bromochloromethane
 Concen: 19.613 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	96.1	71.2	106.8





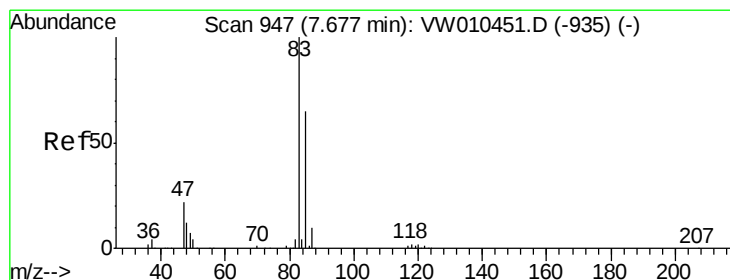
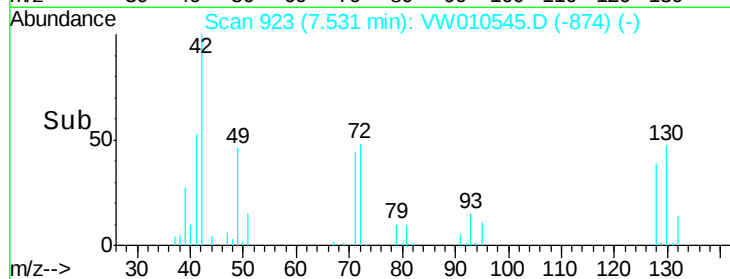
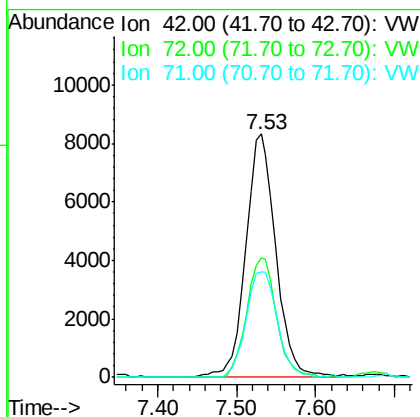
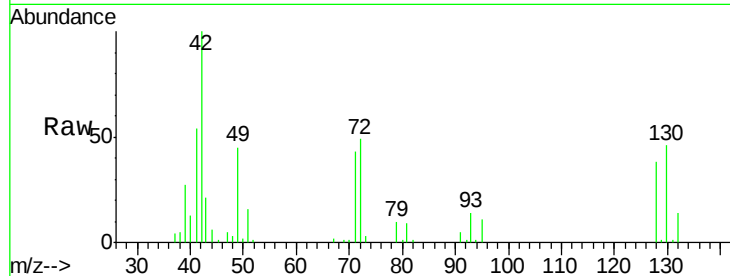
#29
Tetrahydrofuran
Concen: 73.488 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.5	57.7
71	45.2	36.5	54.7

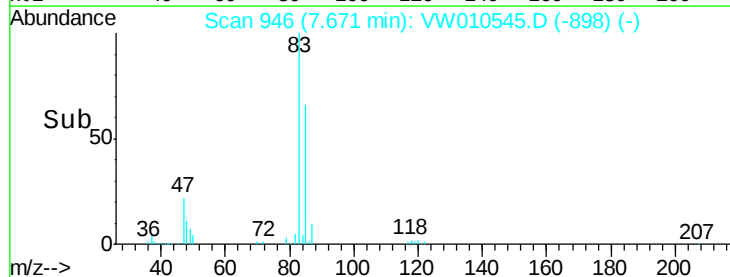
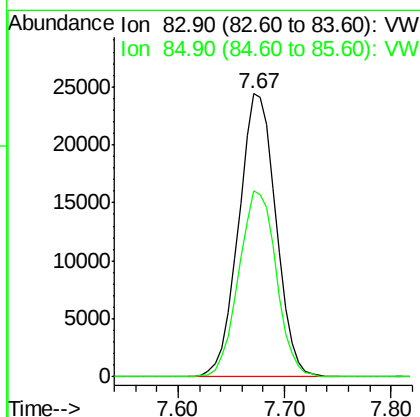
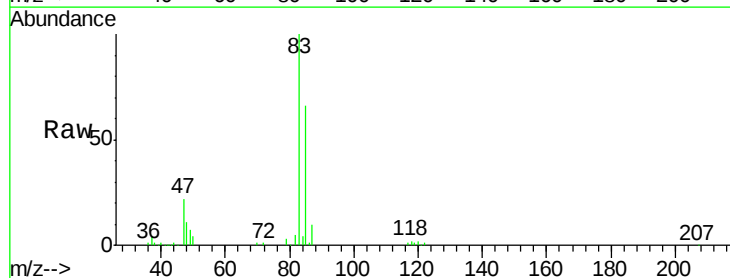
Manual Integrations
APPROVED

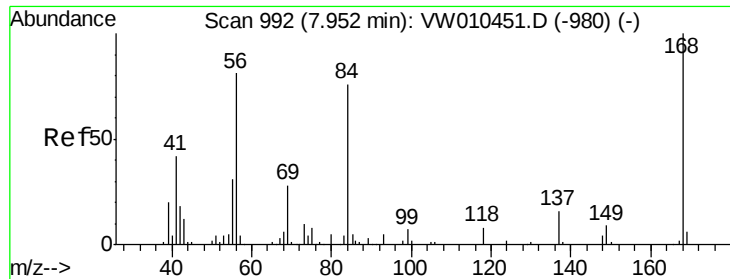
MMDadoda
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#30
Chloroform
Concen: 20.242 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4





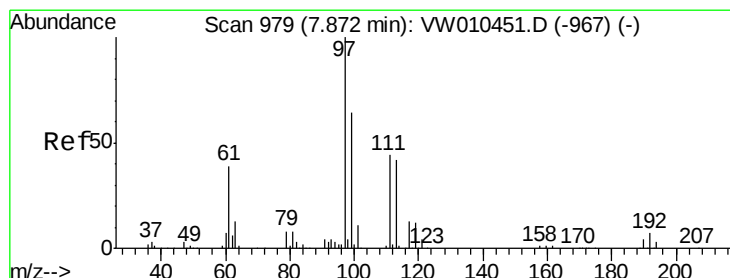
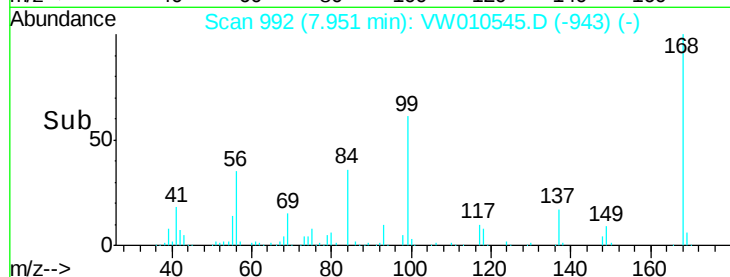
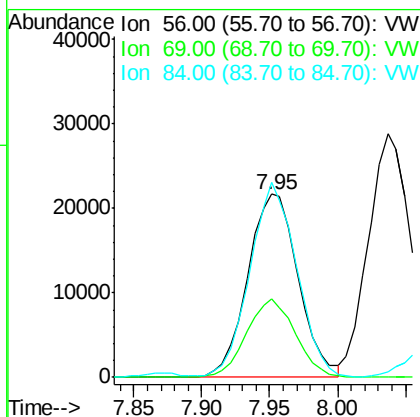
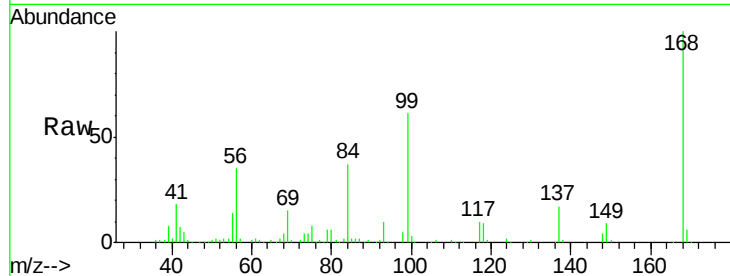
#31
Cyclohexane
Concen: 19.577 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.1	28.2	42.2#
84	105.6	75.8	113.8

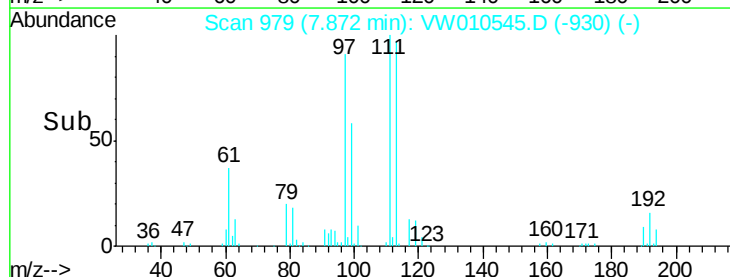
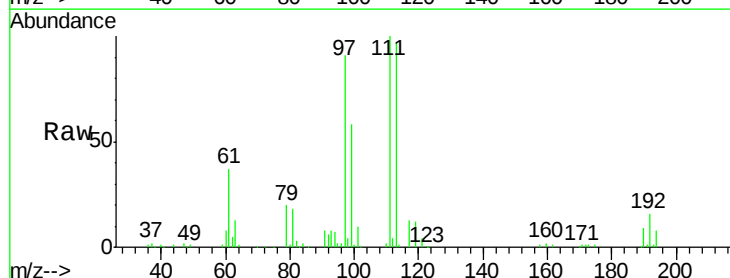
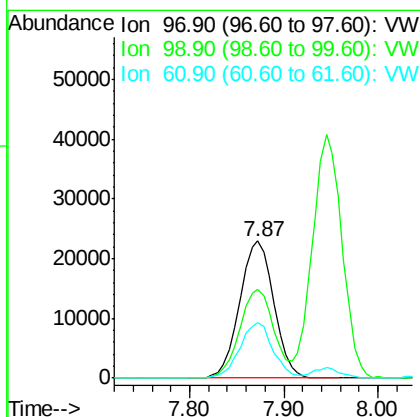
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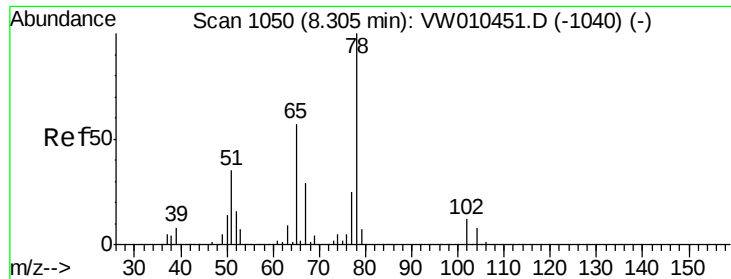
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#32
1,1,1-Trichloroethane
Concen: 20.497 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	50.8	76.2
61	39.0	32.1	48.1





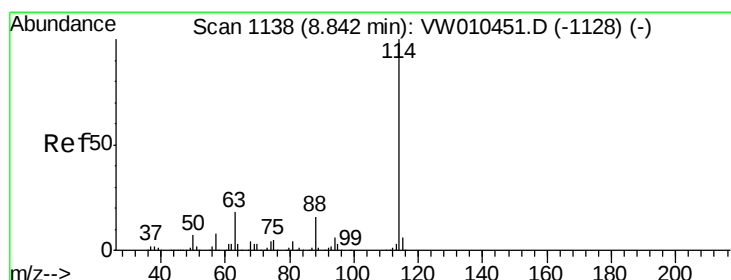
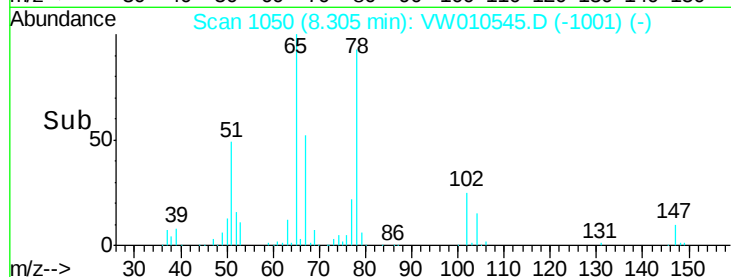
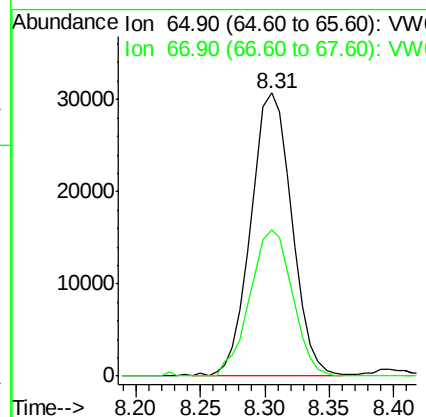
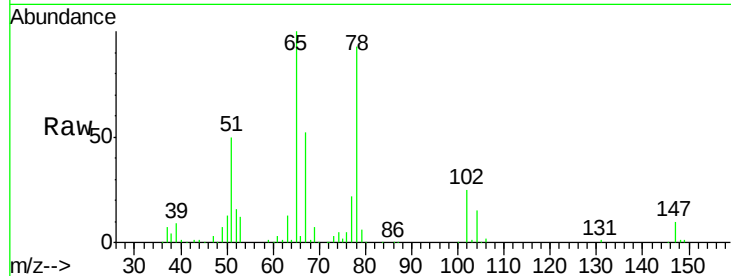
#33
 1,2-Dichloroethane-d4
 Concen: 44.601 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	67655		
67	53.7	0.0	103.6	

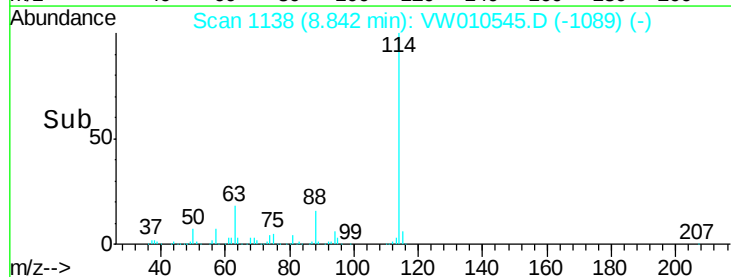
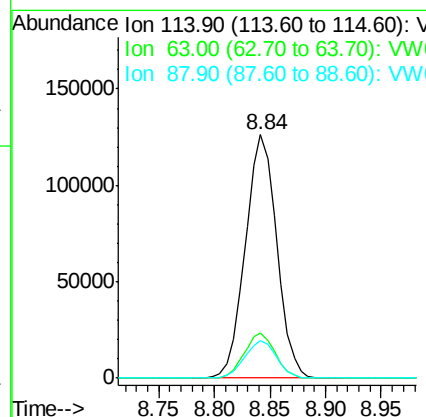
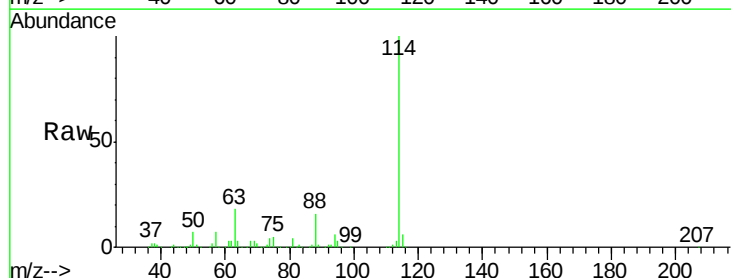
Manual Integrations
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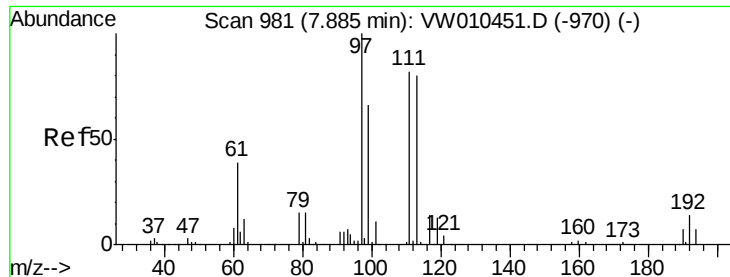
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	247065		
63	18.4	0.0	36.0	
88	15.6	0.0	32.0	





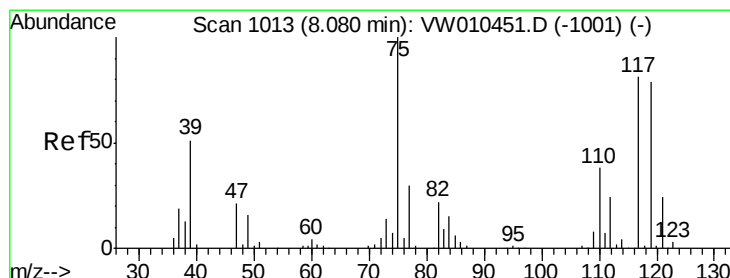
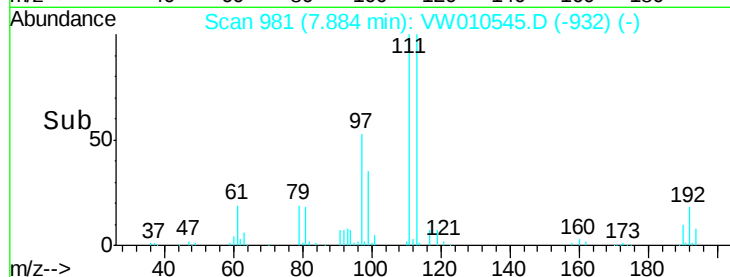
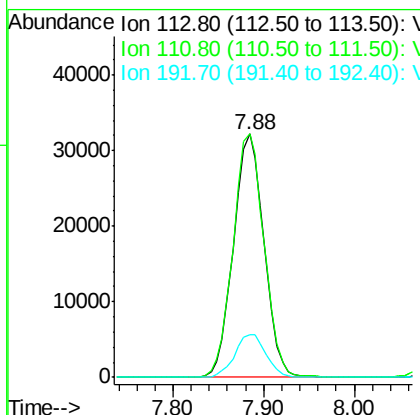
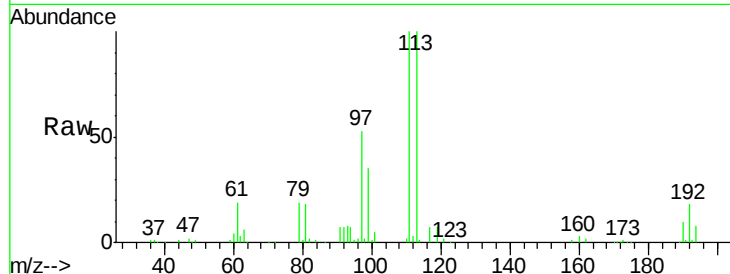
#35
 Dibromofluoromethane
 Concen: 50.116 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	18.0	14.3	21.5

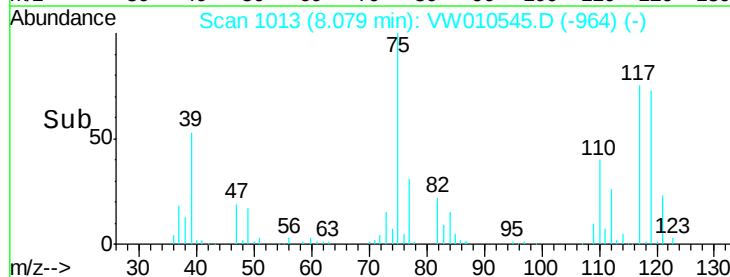
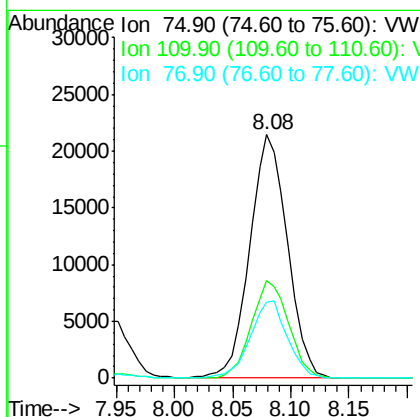
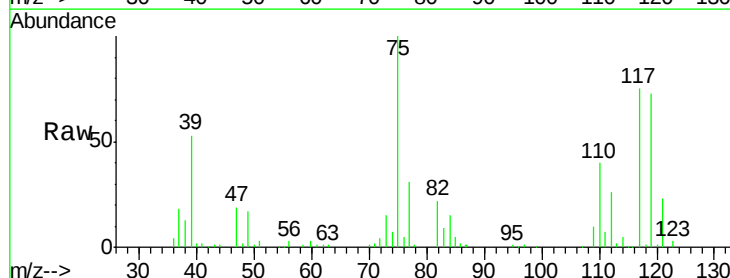
Manual Integrations
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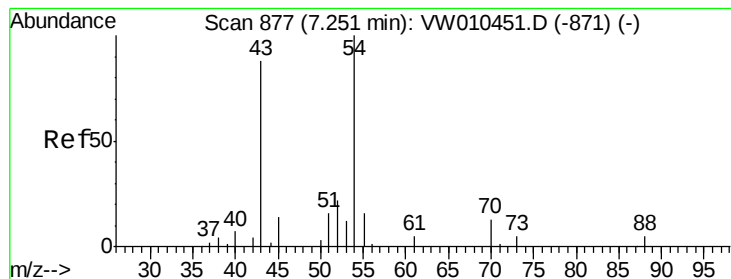
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#36
 1,1-Dichloropropene
 Concen: 21.017 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.2	57.6
77	31.5	25.2	37.8





#37

Ethyl Acetate

Concen: 16.964 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

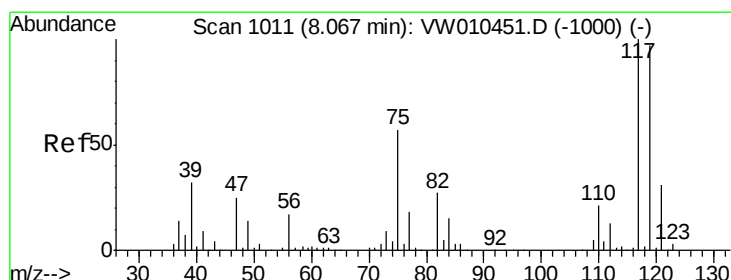
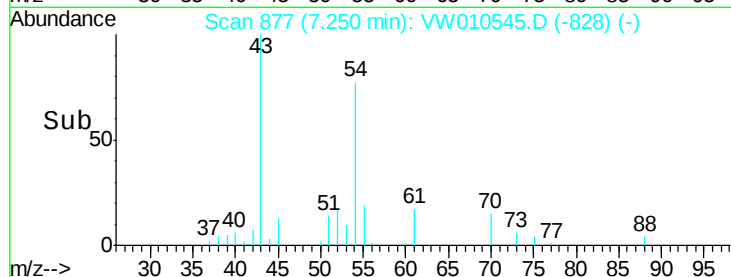
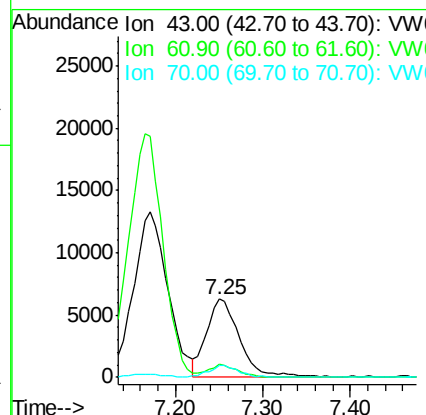
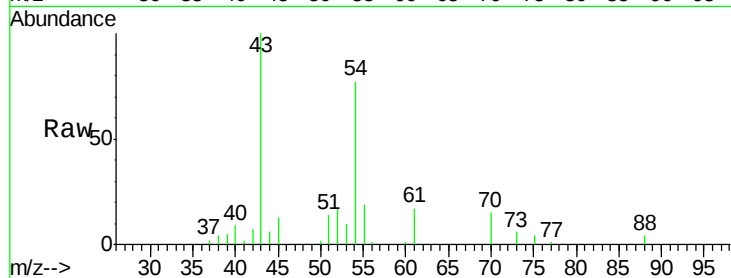
ClientSampled :

VW0524SBS01

Tot Ion:	43	Resp:	16603
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	13.3	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.389 ug/l

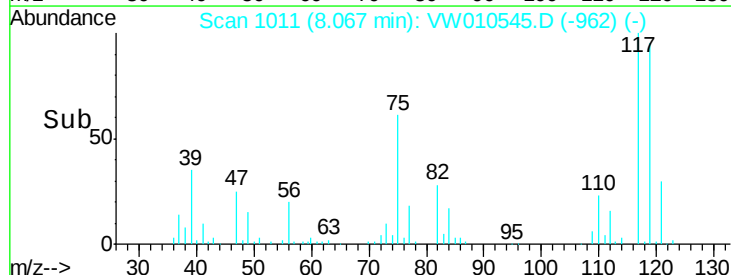
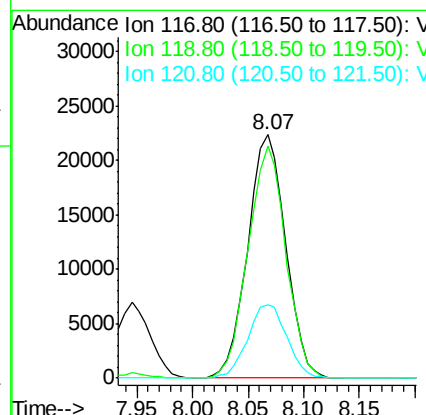
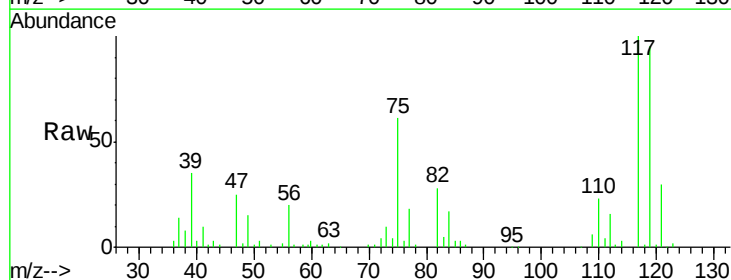
RT: 8.07 min Scan# 1011

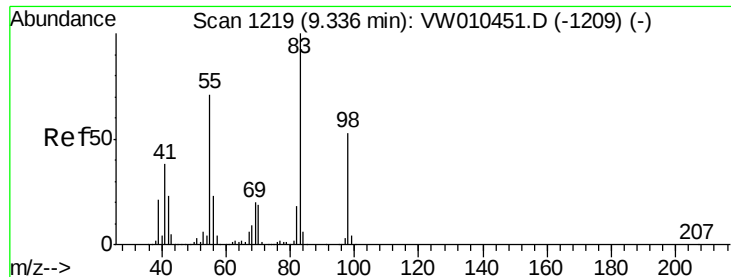
Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	117	Resp:	53103
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
121	30.2	25.0	37.6





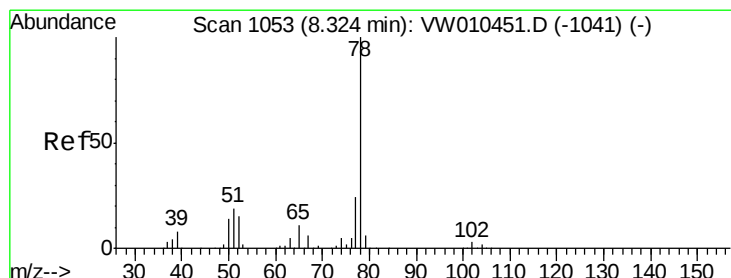
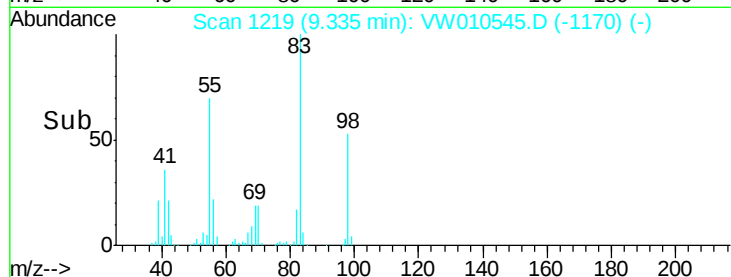
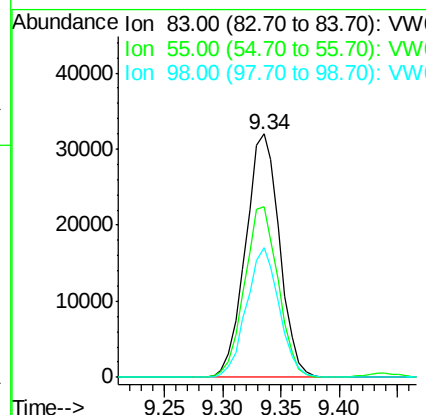
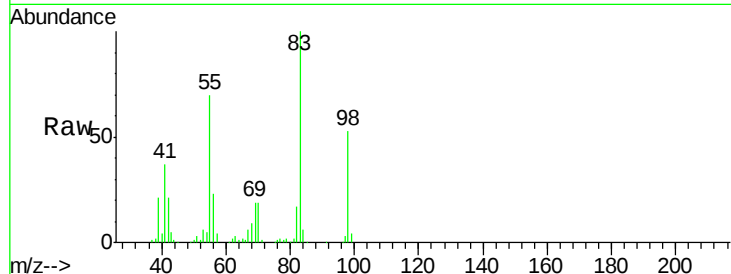
#39
Methvlcvclohexane
Concen: 21.121 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	57.0	85.6
98	53.1	42.0	63.0

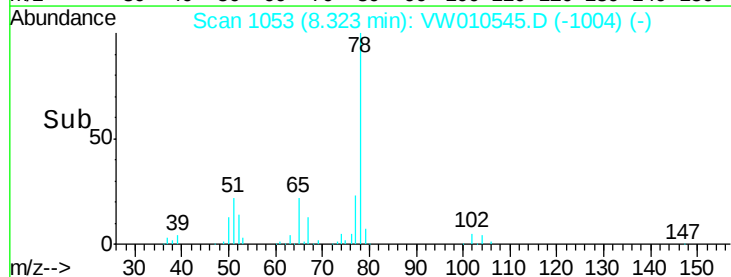
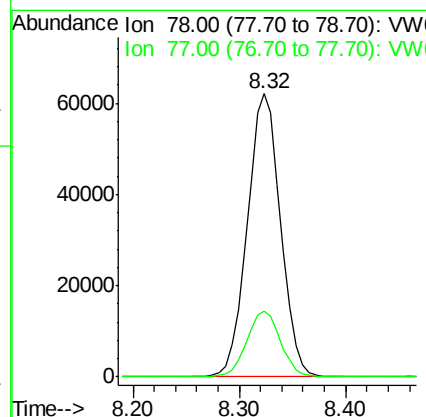
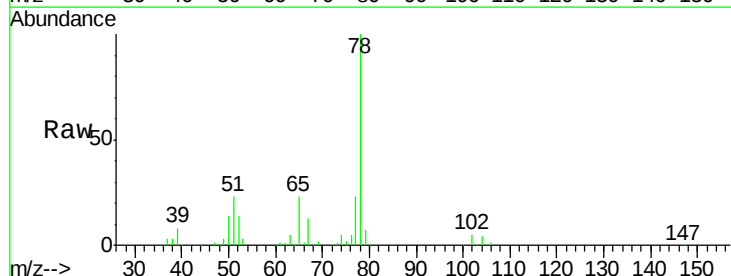
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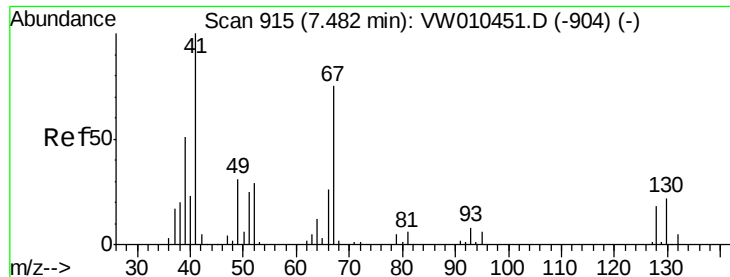
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#40
Benzene
Concen: 21.212 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





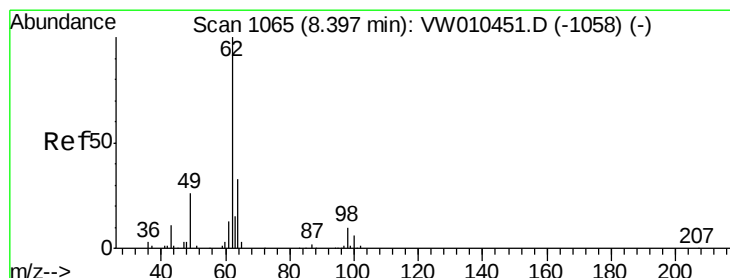
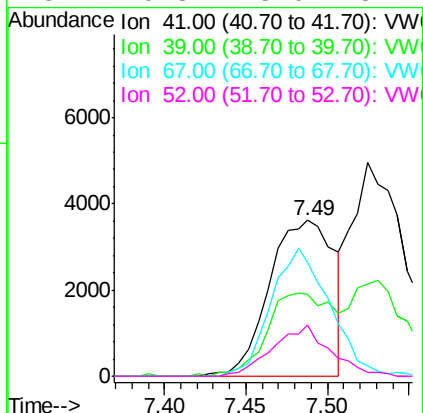
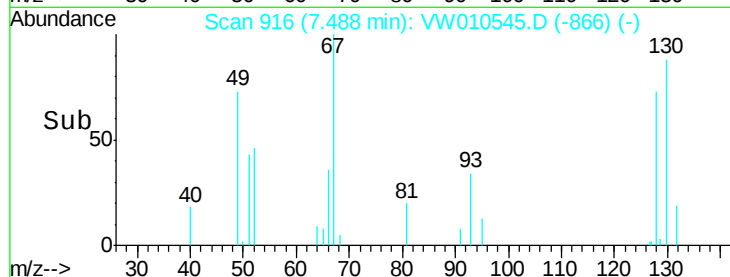
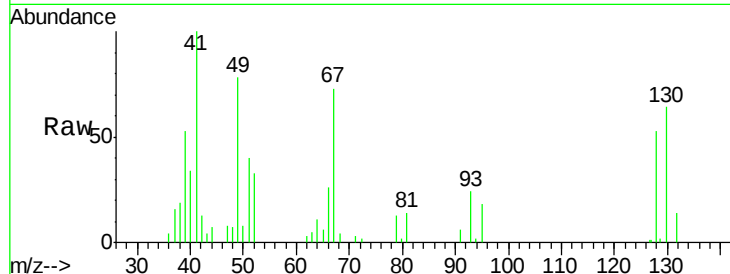
#41
Methacrylonitrile
Concen: 17.079 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion:	41	Resp:	9932
Ion	Ratio	Lower	Upper
41	100		
39	54.1	47.4	71.2
67	75.2	65.5	98.3
52	29.3	25.0	37.4

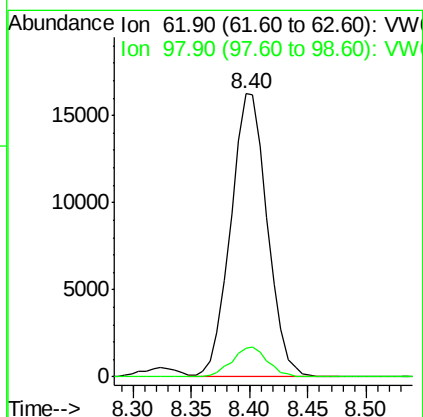
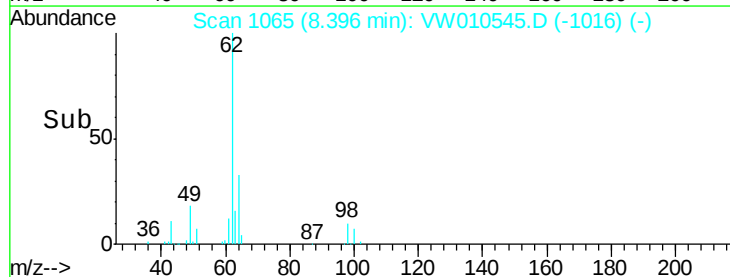
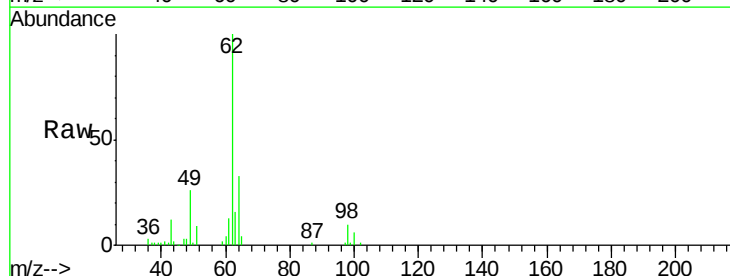
Manual Integrations
APPROVED

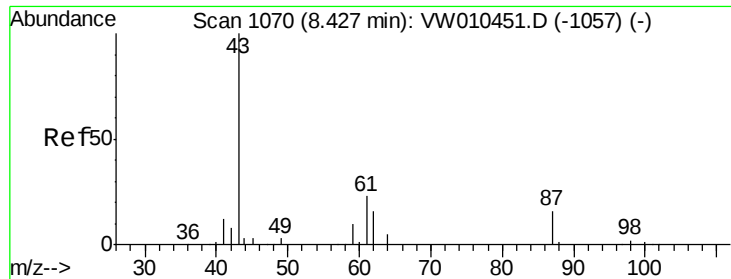
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.441 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion:	62	Resp:	35545
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





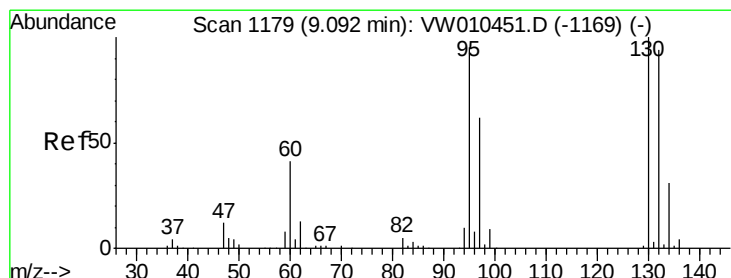
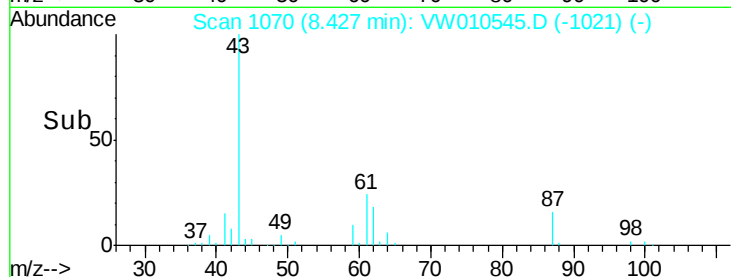
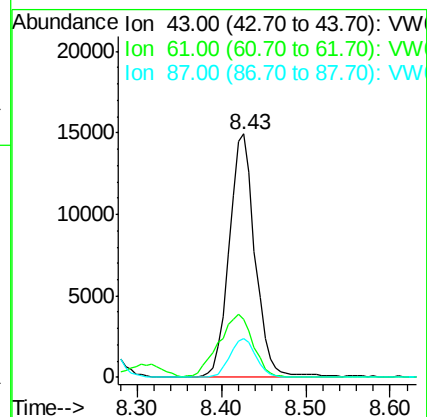
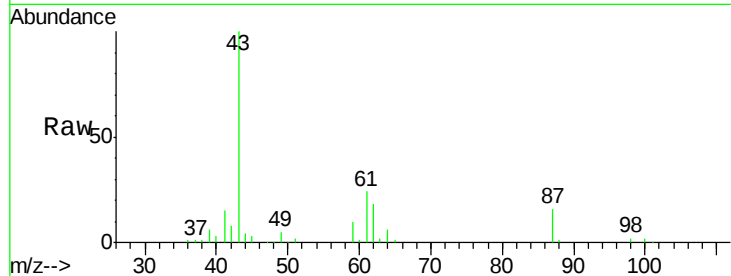
#43
Isopropyl Acetate
Concen: 16.093 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.0	25.4	38.2
87	15.6	12.7	19.1

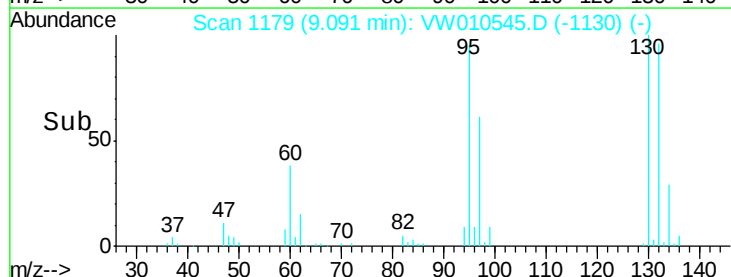
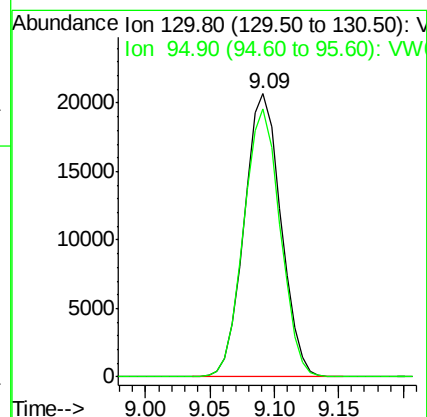
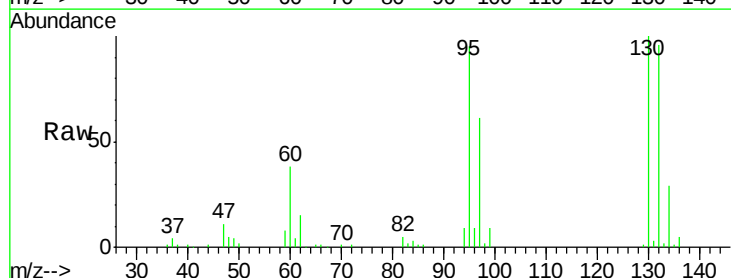
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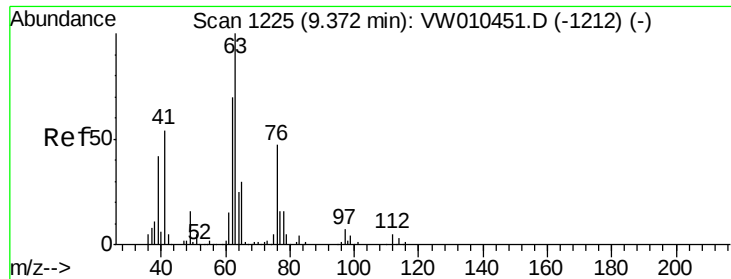
MMDadoda
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#44
Trichloroethene
Concen: 21.442 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.6





#45

1,2-Dichloropropane

Concen: 20.166 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 63 Resp: 30637

Ion Ratio Lower Upper

63 100

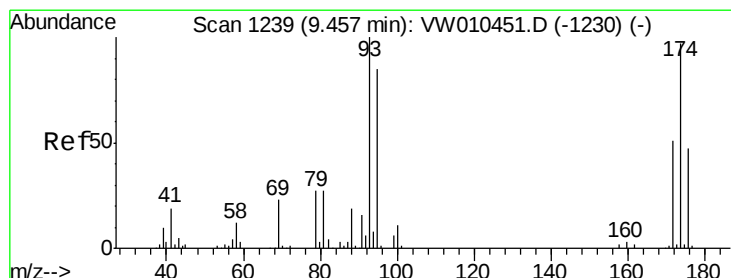
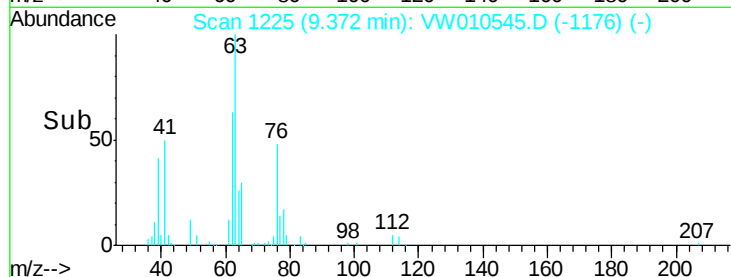
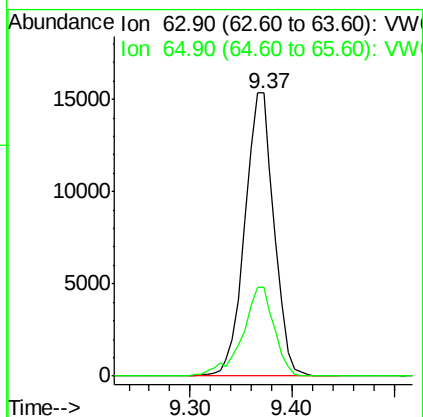
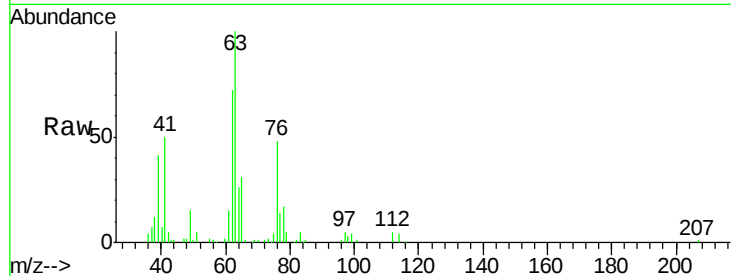
65 31.3 24.3 36.5

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#46

Dibromomethane

Concen: 18.810 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

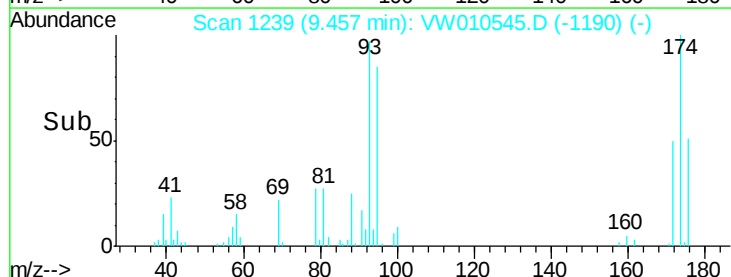
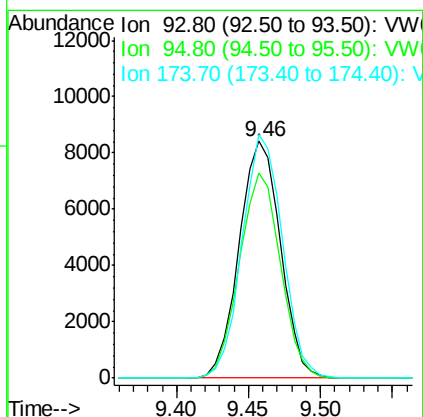
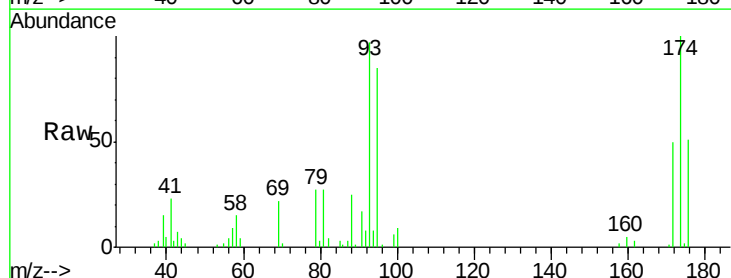
Tgt Ion: 93 Resp: 16713

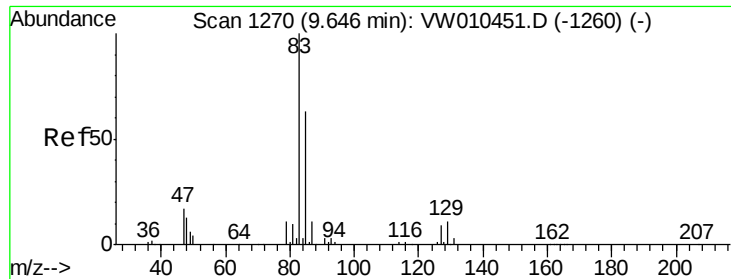
Ion Ratio Lower Upper

93 100

95 86.2 66.1 99.1

174 100.2 77.1 115.7





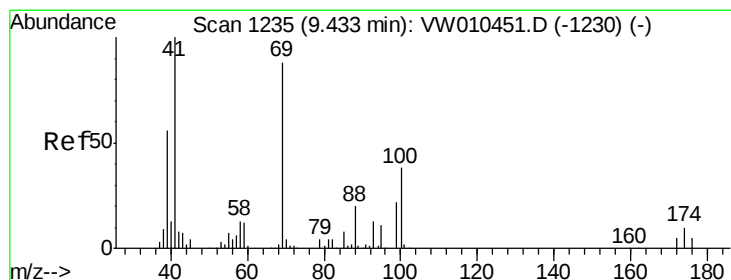
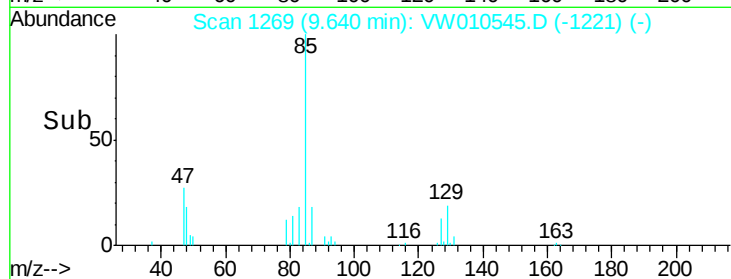
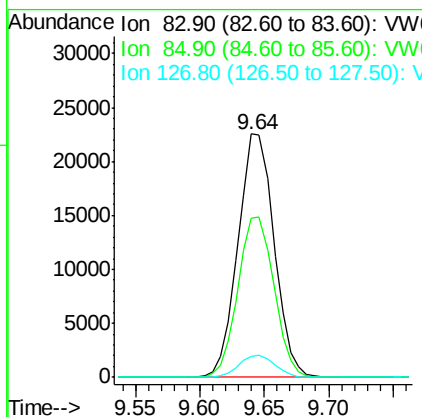
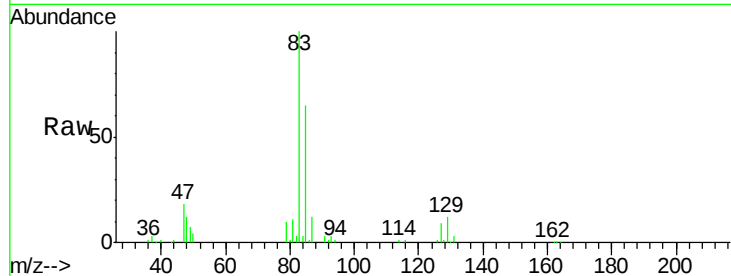
#47
Bromodichloromethane
Concen: 19.611 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	83	Resp	43788
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	50.4	75.6
127	8.8	7.4	11.0

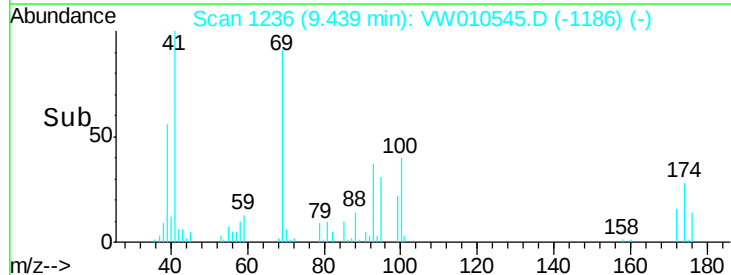
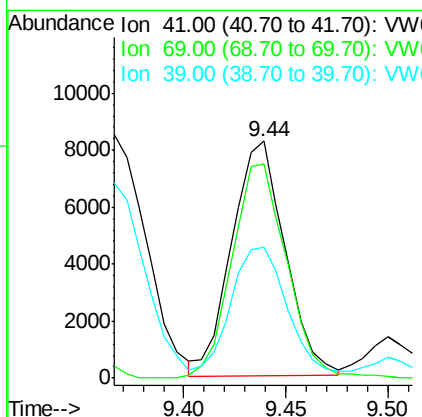
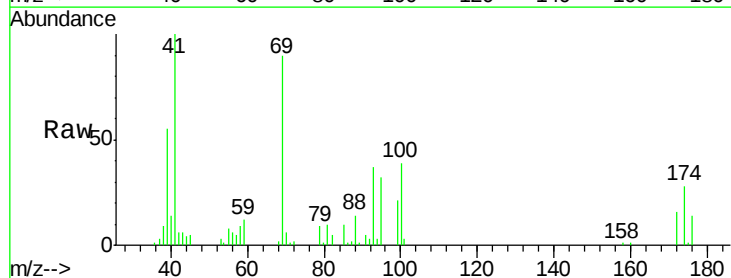
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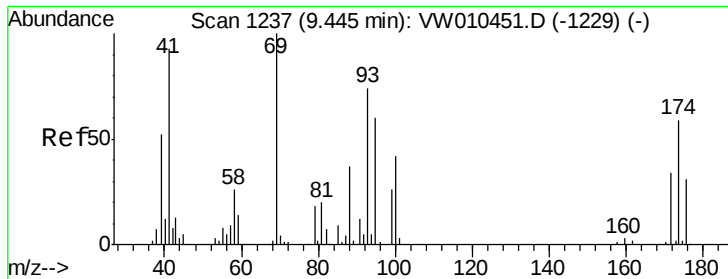
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#48
Methyl methacrylate
Concen: 16.843 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	41	Resp	15066
Ion Ratio	100	Lower	Upper
41	100		
69	93.2	77.6	116.4
39	54.3	49.8	74.8





#49

1,4-Dioxane

Concen: 289.923 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

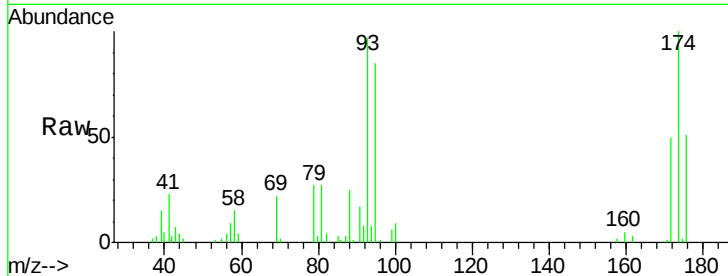
ClientSampleId :

VW0524SBS01

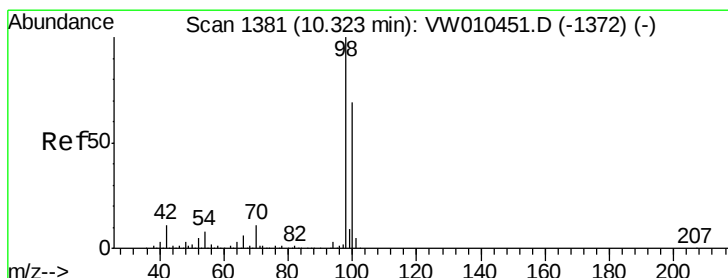
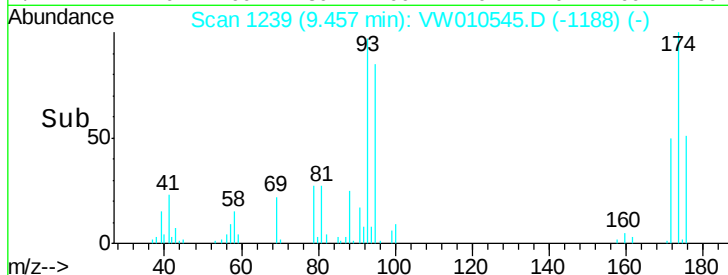
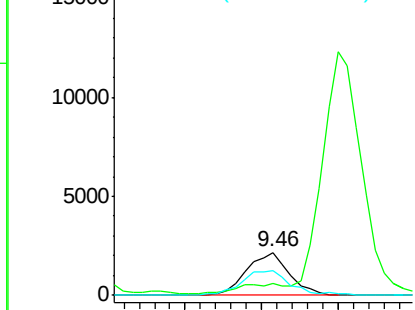
Tot Ion:	88	Resp:	4208
Ion	Ratio	Lower	Upper
88	100		
43	28.4	25.9	38.9
58	66.8	52.7	79.1

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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.031 ug/l

RT: 10.32 min Scan# 1381

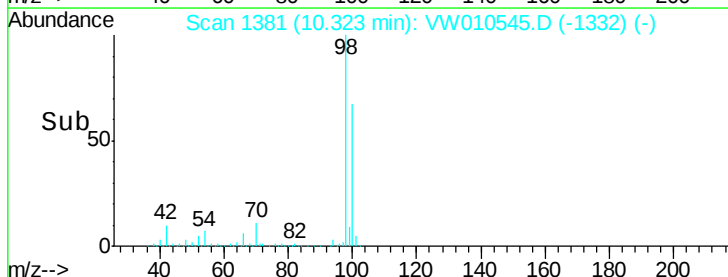
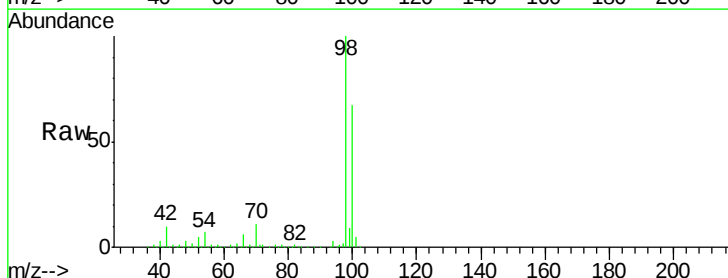
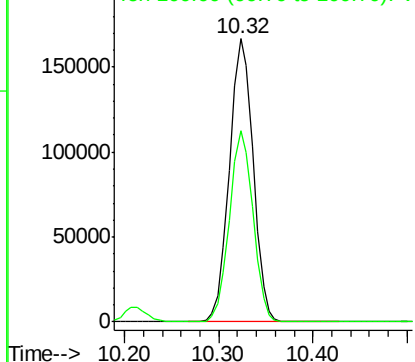
Delta R.T. -0.00 min

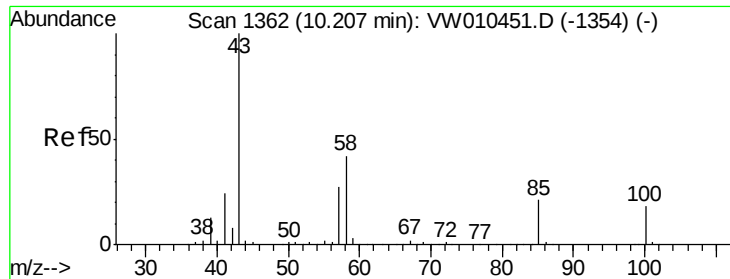
Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	98	Resp:	292261
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5

Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 76.938 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 43 Resp: 76229

Ion Ratio Lower Upper

43 100

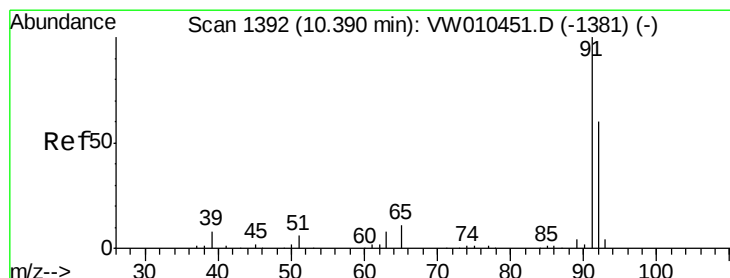
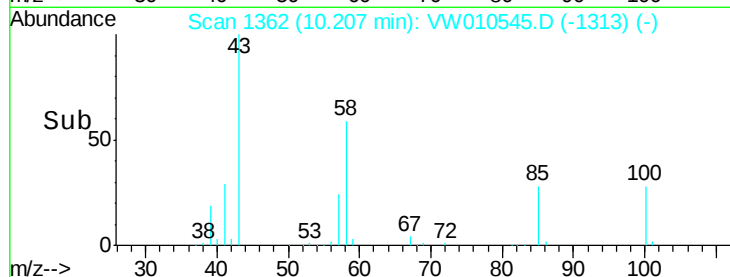
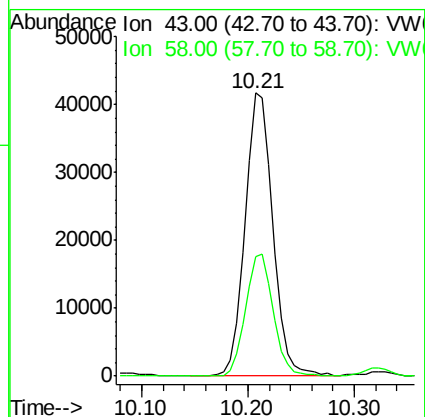
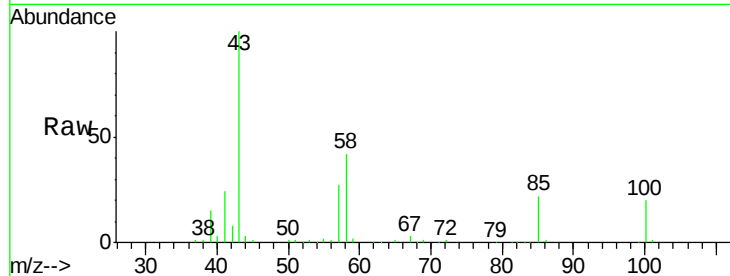
58 43.1 33.2 49.8

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#52

Toluene

Concen: 21.486 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010545.D

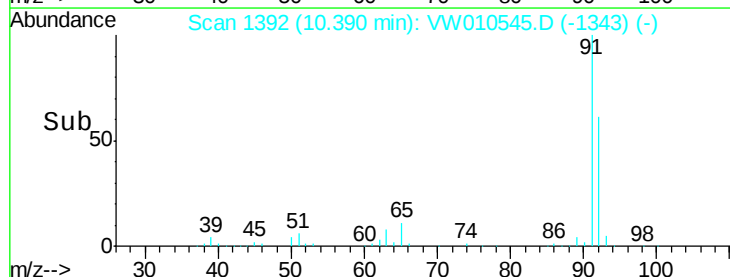
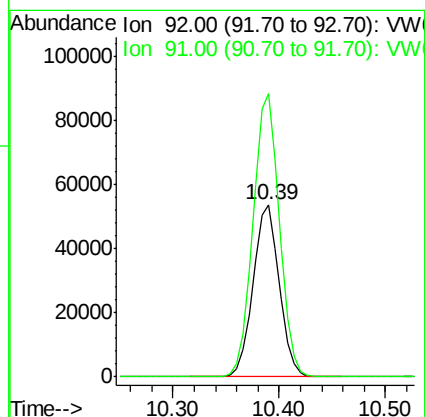
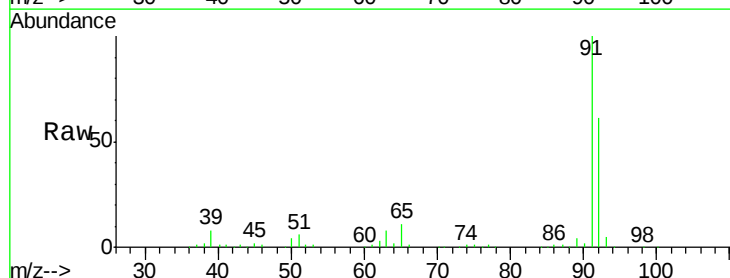
Acq: 24 May 2019 12:39

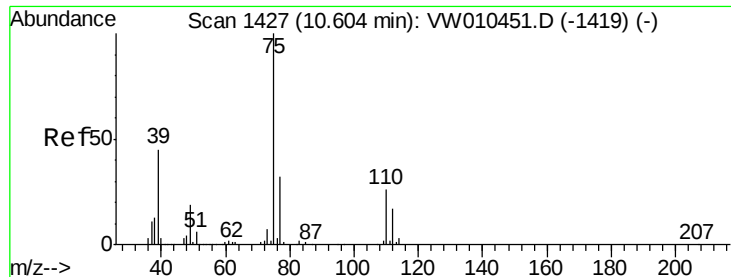
Tgt Ion: 92 Resp: 92305

Ion Ratio Lower Upper

92 100

91 166.4 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 18.582 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion: 75 Resp: 42019

Ion Ratio Lower Upper

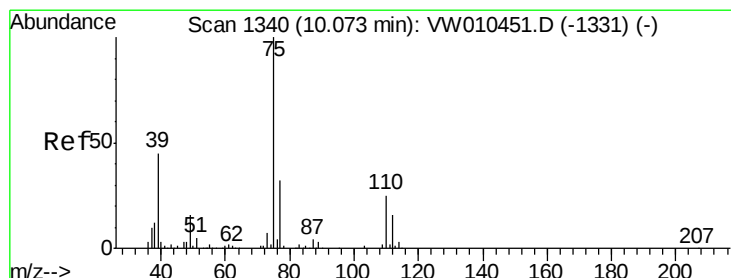
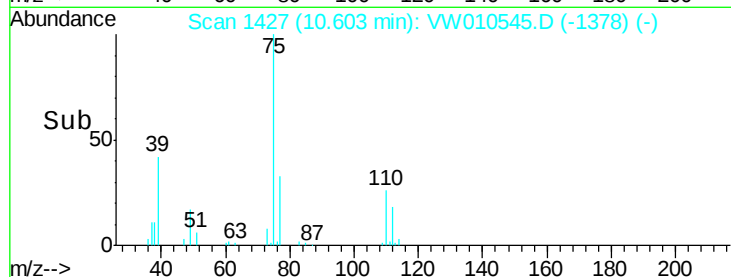
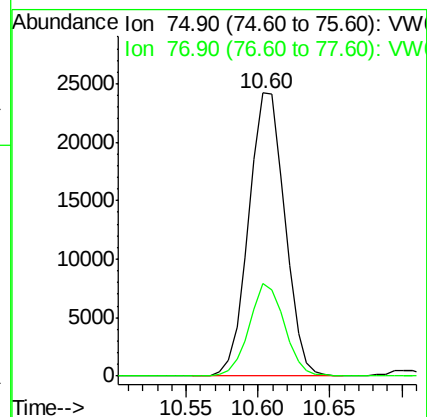
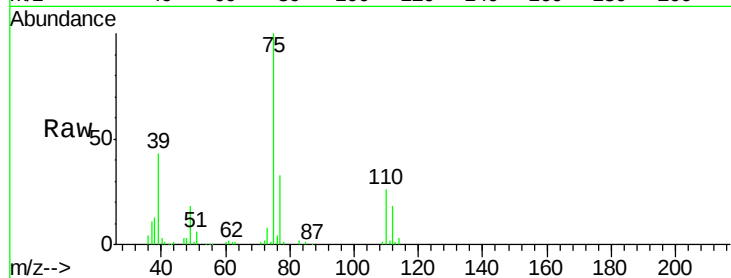
75 100

77 32.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

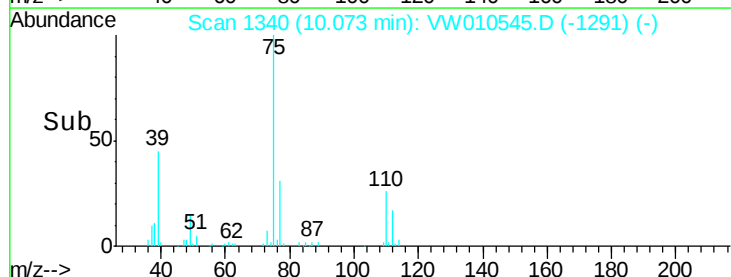
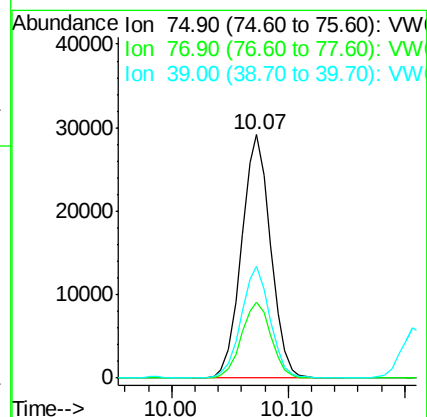
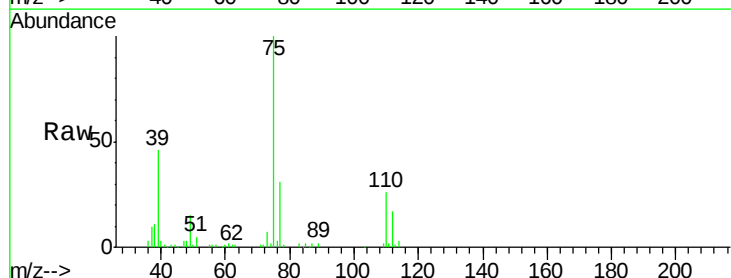
Tgt Ion: 75 Resp: 50773

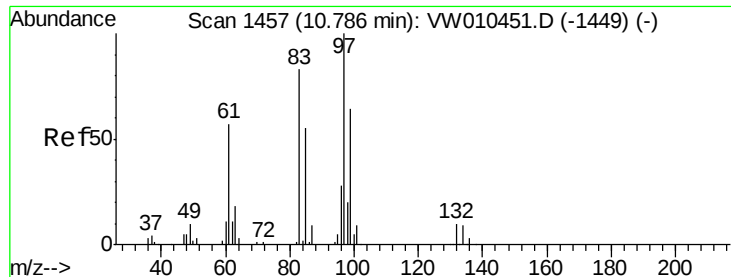
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 45.7 36.2 54.4





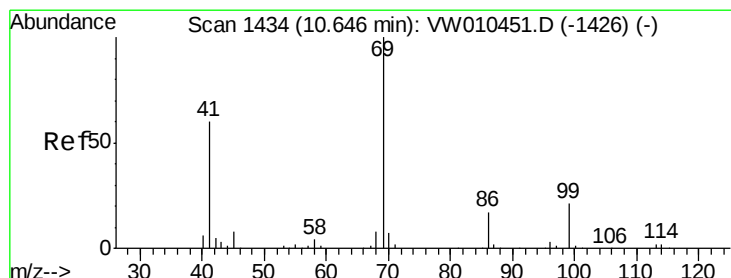
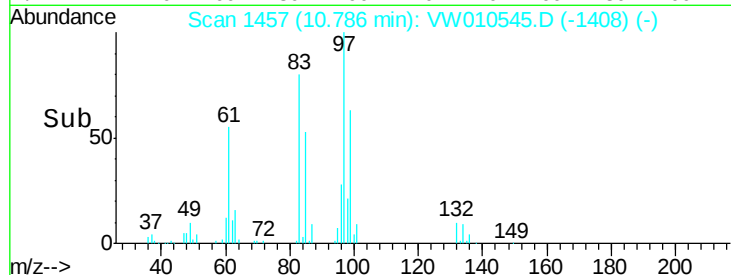
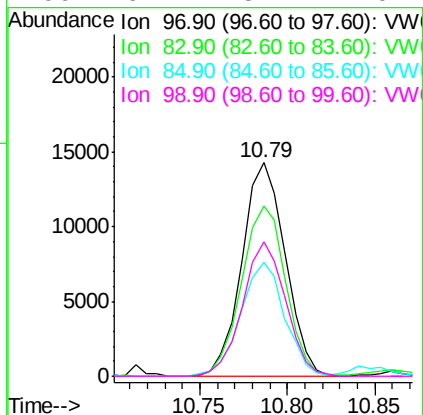
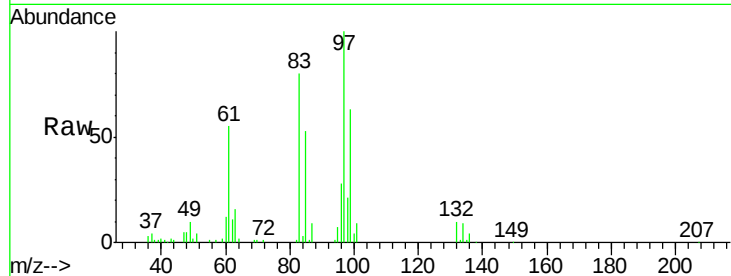
#55
 1,1,2-Trichloroethane
 Concen: 19.239 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		24581		
83	79.5	66.1	99.1		
85	53.4	44.2	66.4		
99	62.7	51.1	76.7		

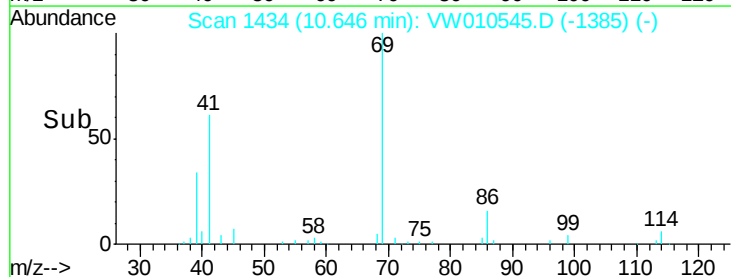
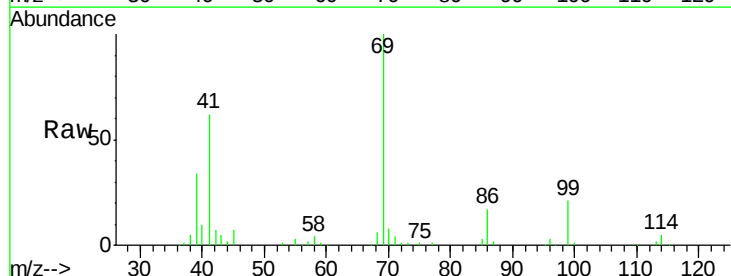
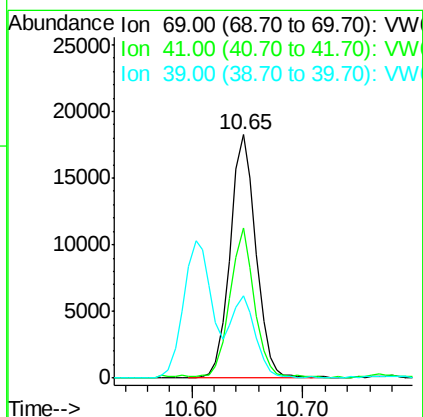
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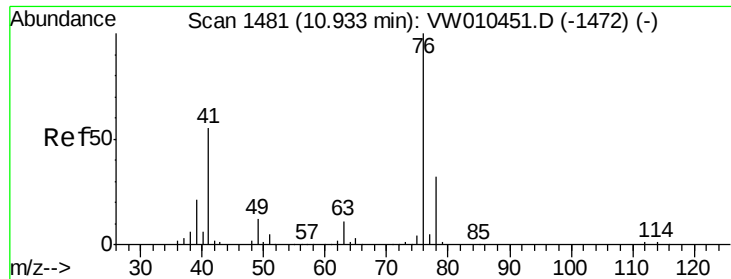
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#56
 Ethyl methacrylate
 Concen: 16.629 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		29302		
41	56.7	47.7	71.5		
39	31.7	25.3	37.9		





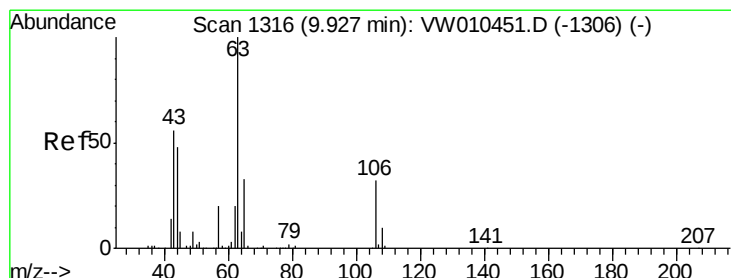
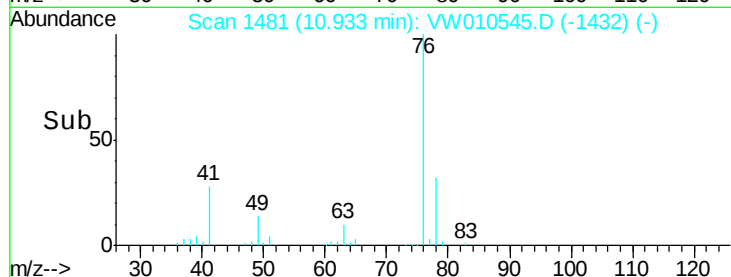
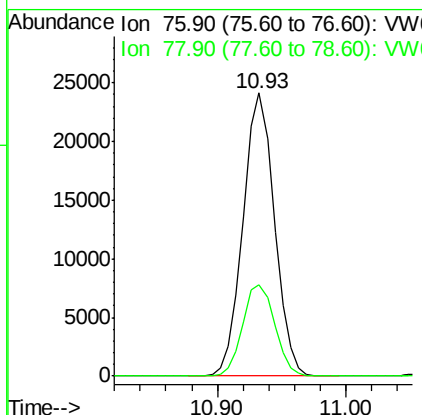
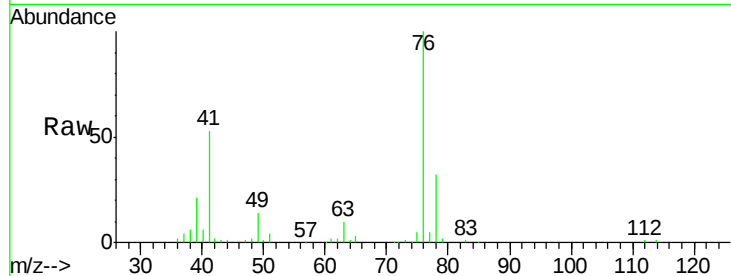
#57
 1,3-Dichloropropane
 Concen: 19.058 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion: 76 Resp: 40788
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

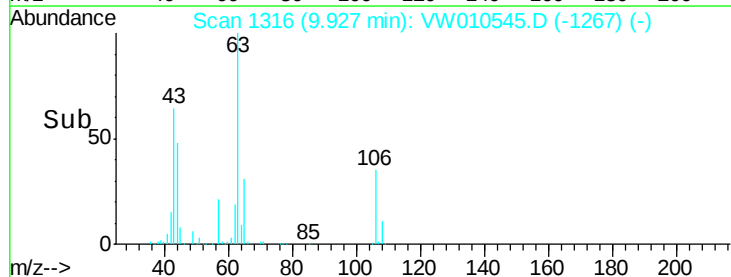
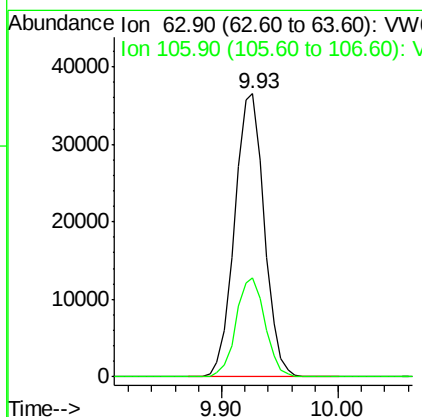
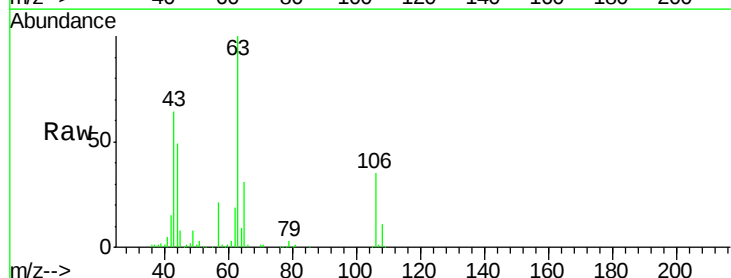
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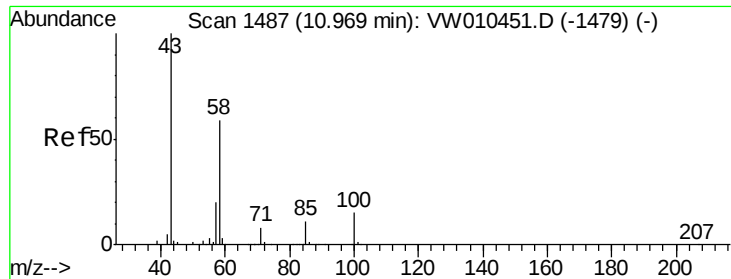
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#58
 2-Chloroethyl Vinyl ether
 Concen: 82.896 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion: 63 Resp: 64700
 Ion Ratio Lower Upper
 63 100
 106 34.2 25.8 38.6





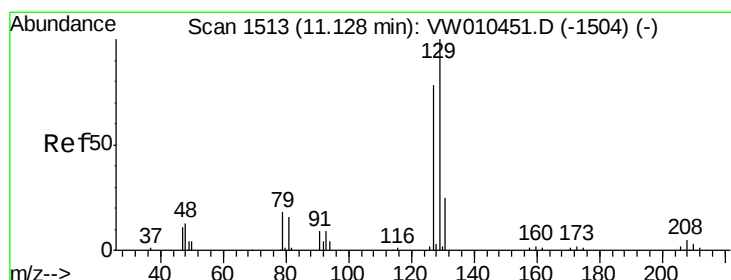
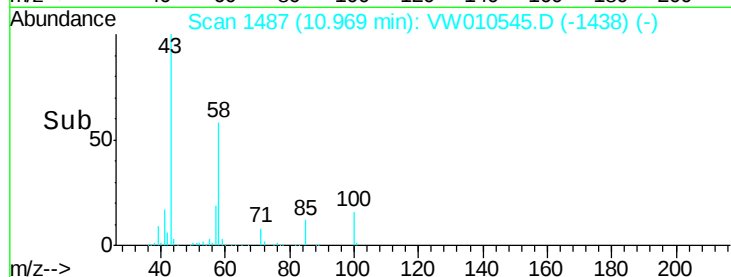
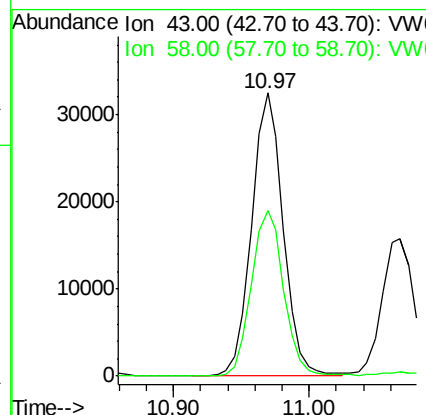
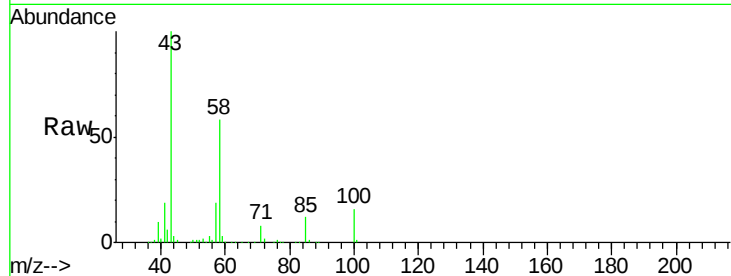
#59
2-Hexanone
Concen: 74.390 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion: 43 Resp: 52577
Ion Ratio Lower Upper
43 100
58 60.3 28.9 86.8

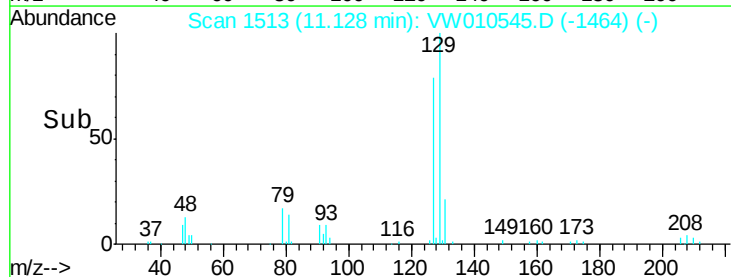
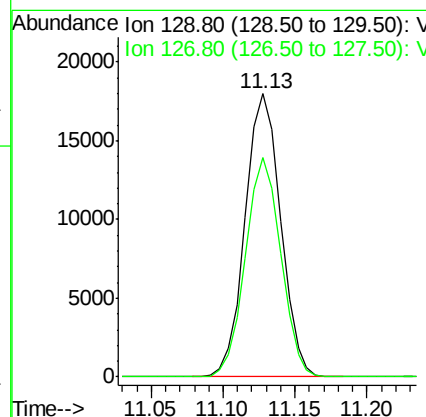
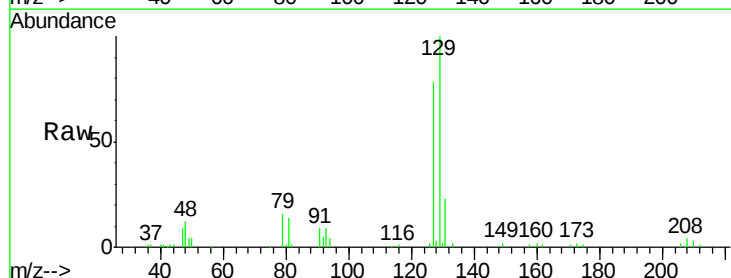
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#60
Dibromochloromethane
Concen: 19.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion: 129 Resp: 30812
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.085 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion:107 Resp: 23407

Ion Ratio Lower Upper

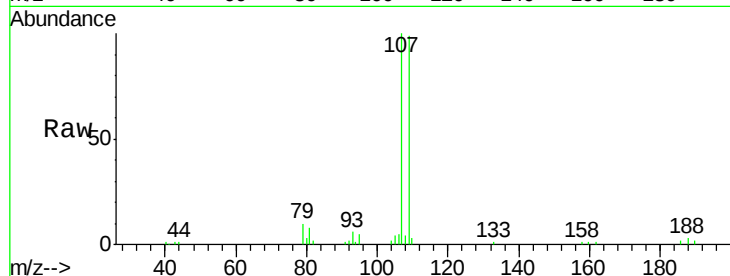
107 100

109 96.7 75.0 112.4

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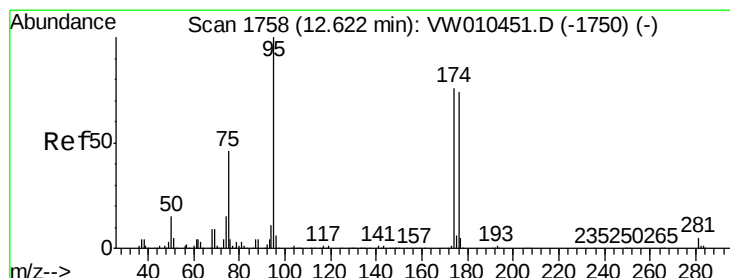
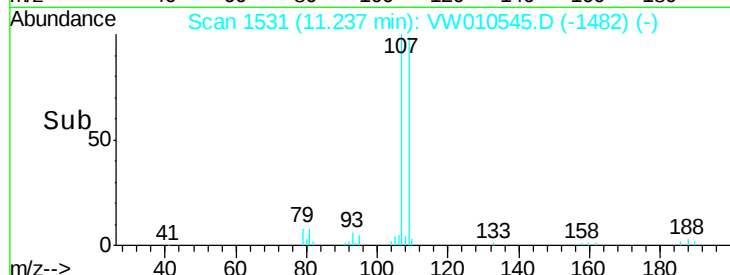
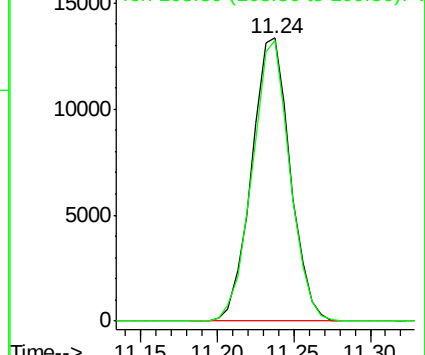
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.931 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

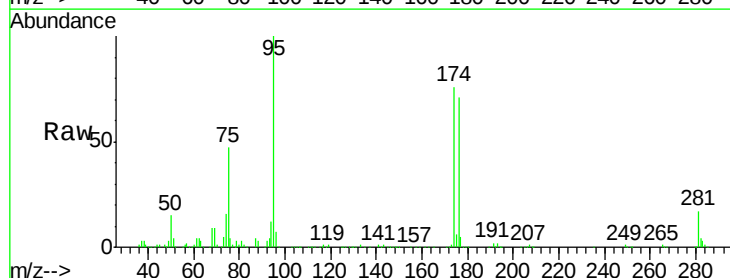
Tgt Ion: 95 Resp: 109340

Ion Ratio Lower Upper

95 100

174 73.8 0.0 148.6

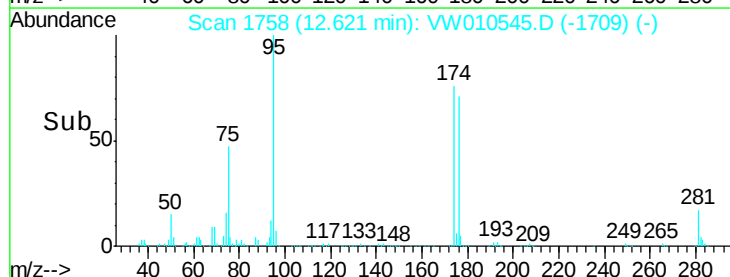
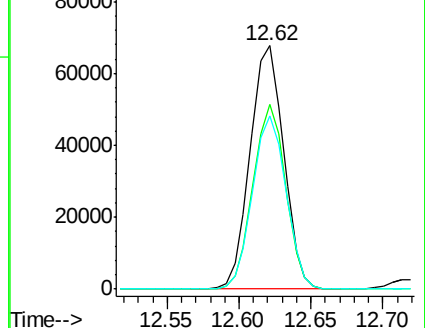
176 71.0 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





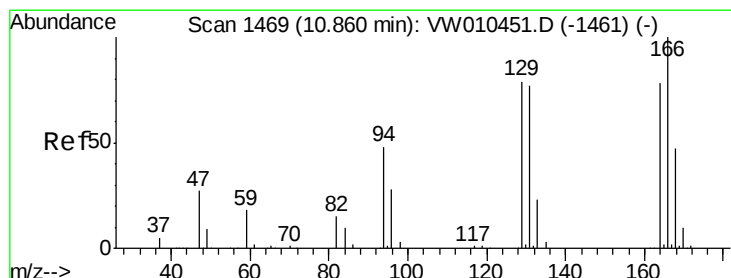
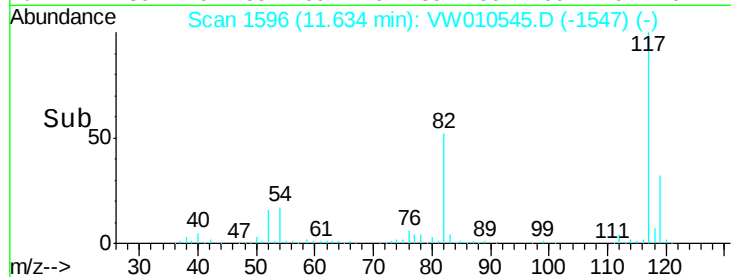
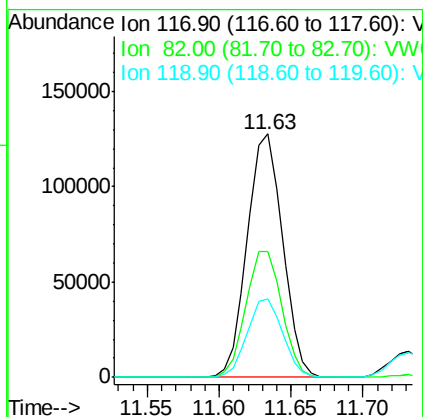
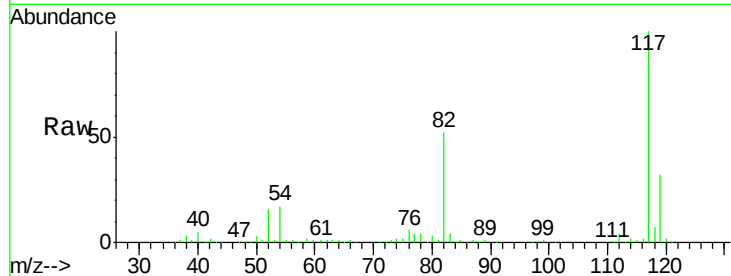
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	32.2	26.3	39.5

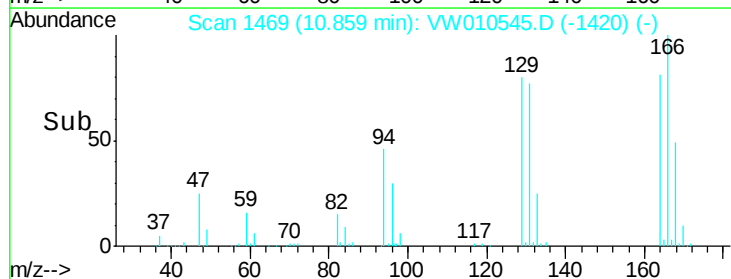
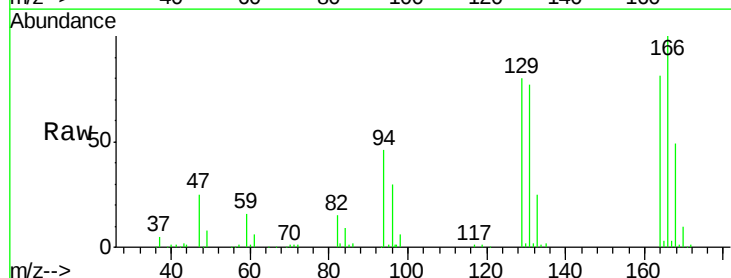
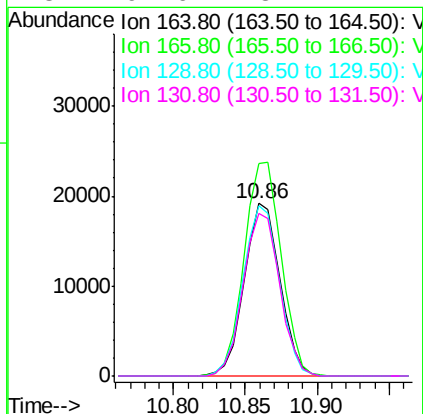
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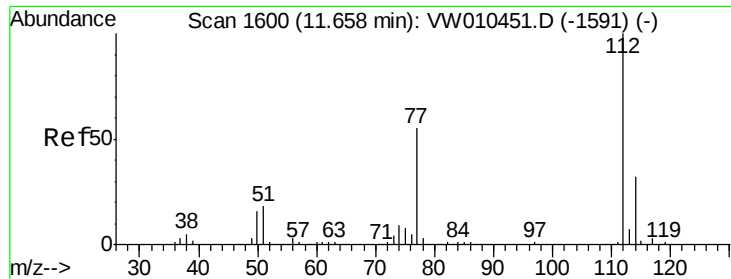
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#64
Tetrachloroethene
Concen: 21.666 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.9	152.9
129	98.5	80.6	121.0
131	94.6	78.2	117.2





#65

Chlorobenzene

Concen: 21.195 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion:112 Resp: 98188

Ion Ratio Lower Upper

112 100

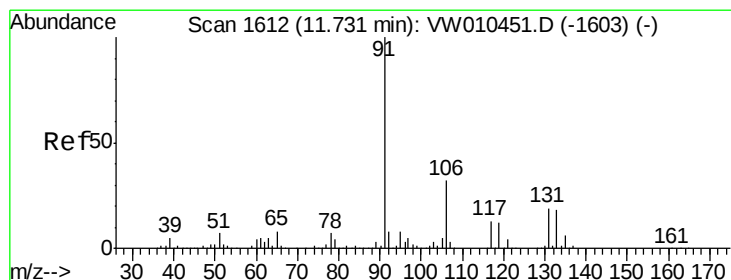
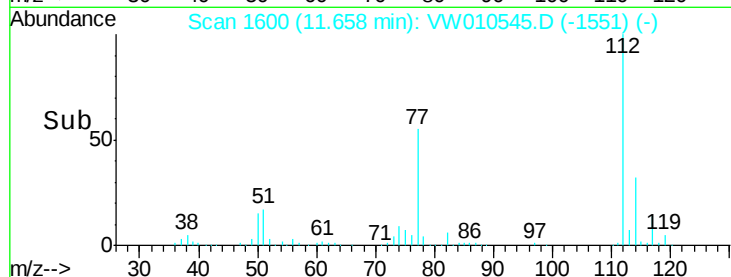
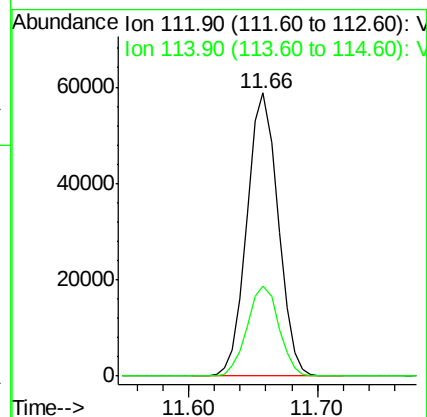
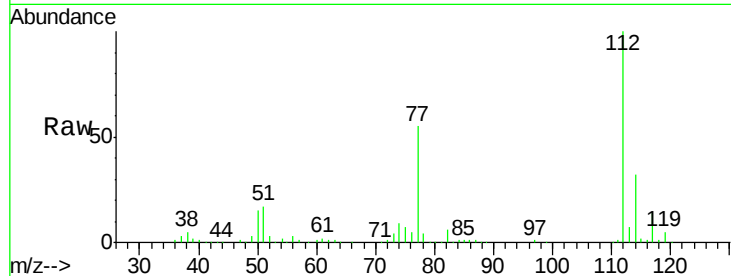
114 31.8 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.972 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

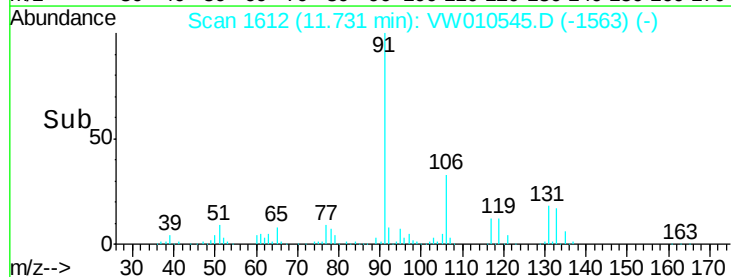
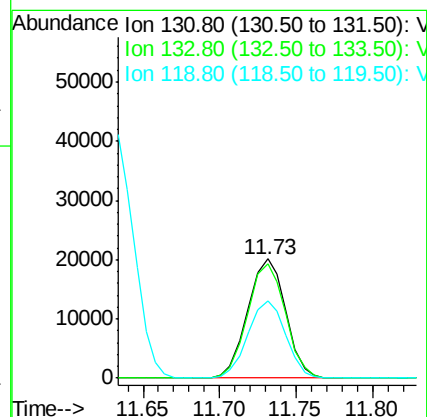
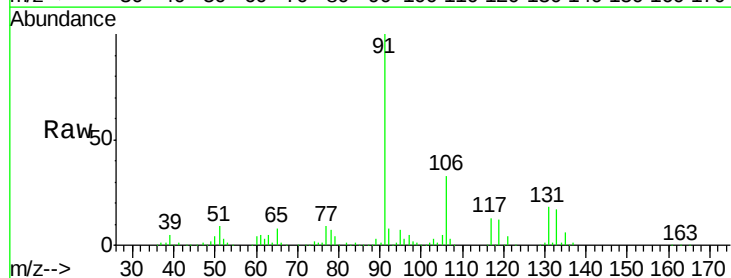
Tgt Ion:131 Resp: 34803

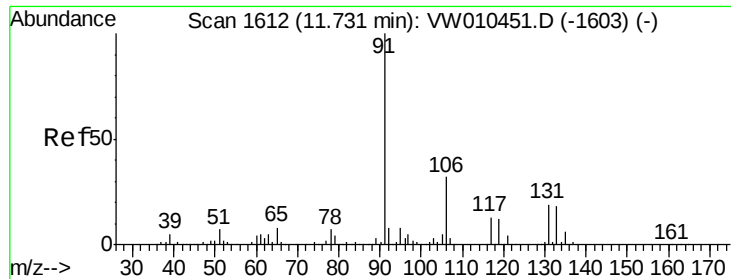
Ion Ratio Lower Upper

131 100

133 95.9 47.3 141.9

119 64.5 32.1 96.5





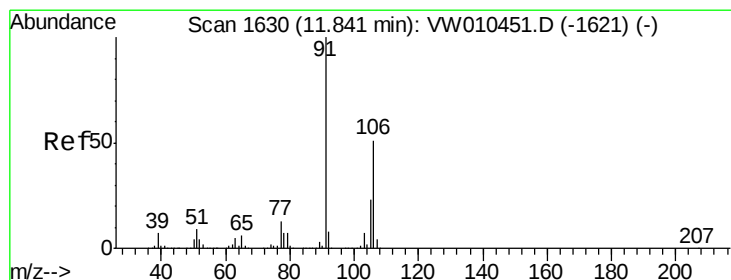
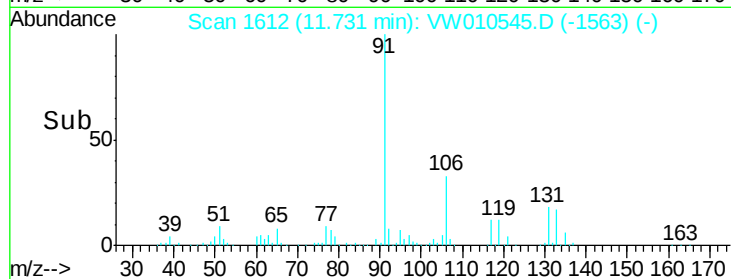
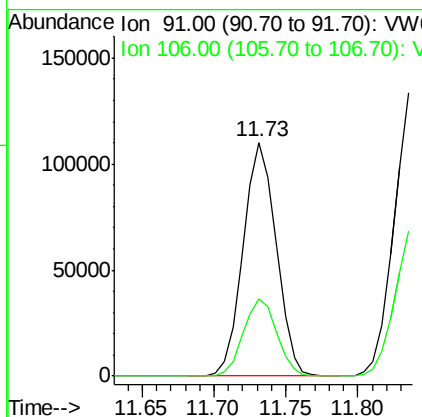
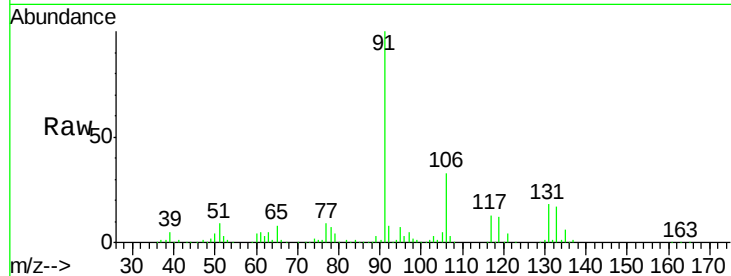
#67
Ethyl Benzene
Concen: 21.429 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion: 91 Resp: 175262
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

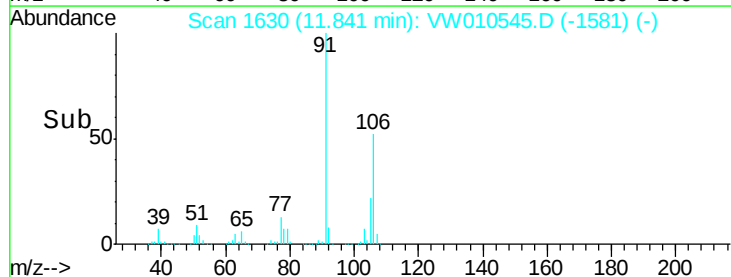
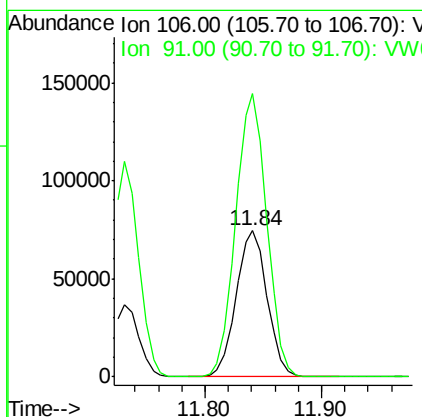
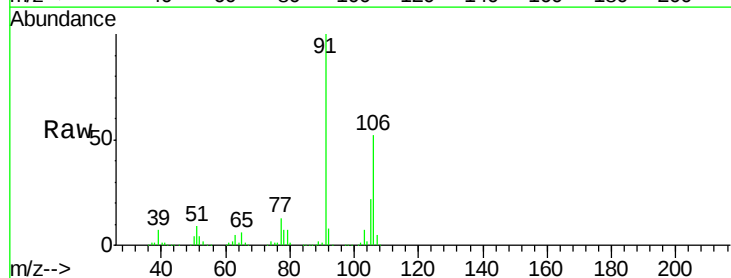
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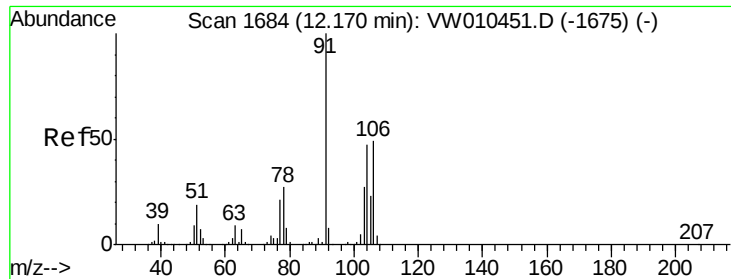
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#68
m/p-Xylenes
Concen: 42.893 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion: 106 Resp: 137602
Ion Ratio Lower Upper
106 100
91 195.2 156.0 234.0





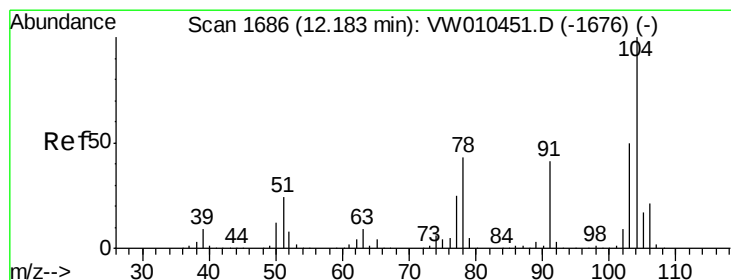
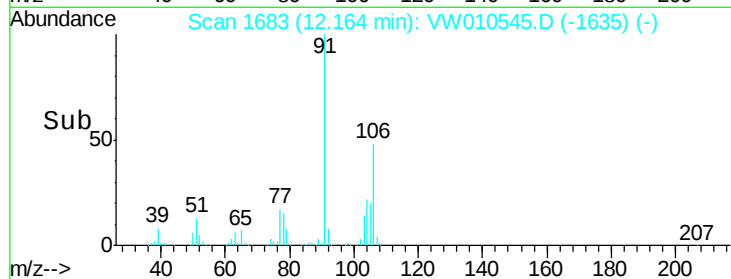
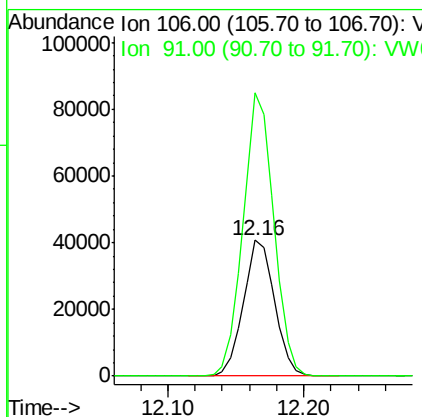
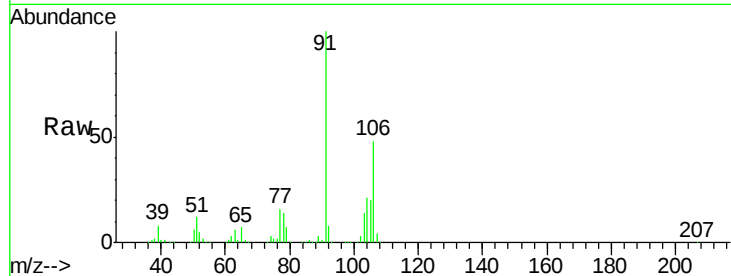
#69
o-Xylene
Concen: 21.513 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion:106 Resp: 65386
Ion Ratio Lower Upper
106 100
91 205.3 103.2 309.4

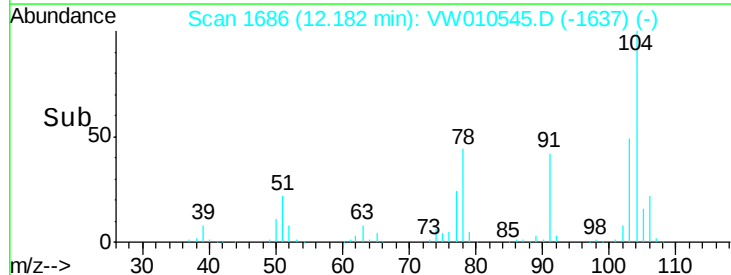
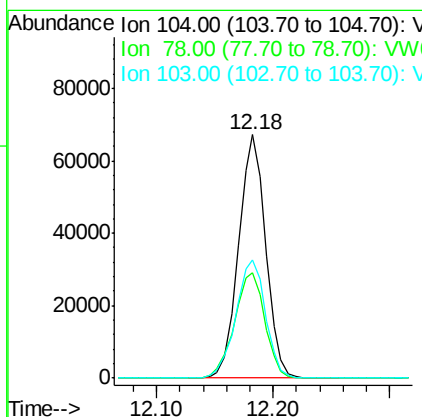
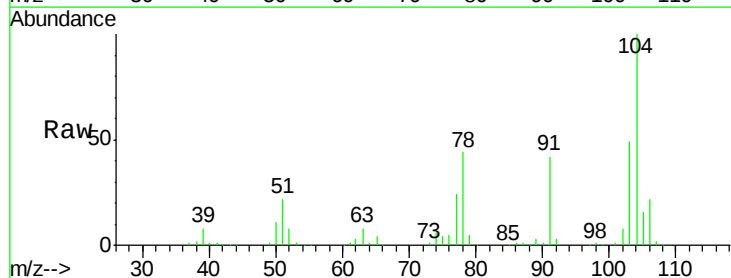
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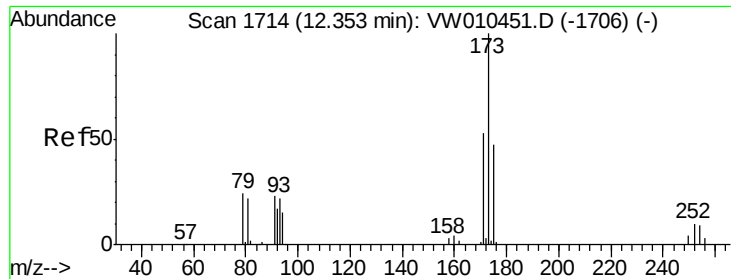
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#70
Styrene
Concen: 21.110 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion:104 Resp: 108868
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 53.3 43.0 64.6





#71

Bromoform

Concen: 17.330 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

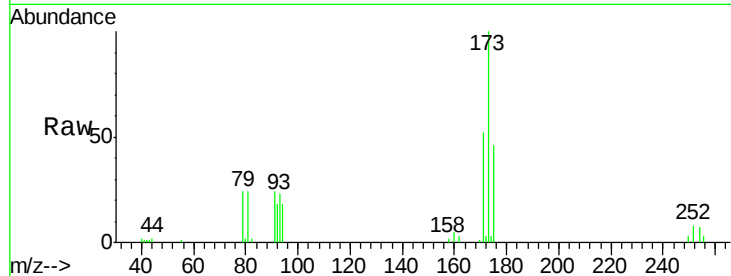
ClientSampleId :

VW0524SBS01

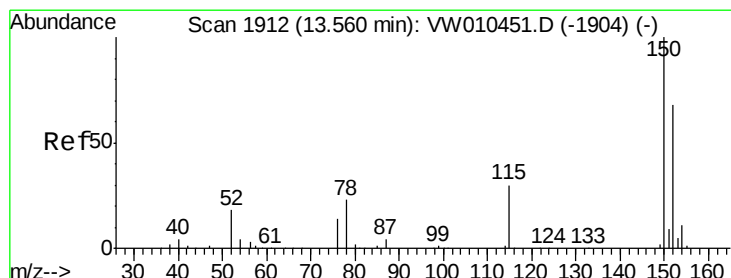
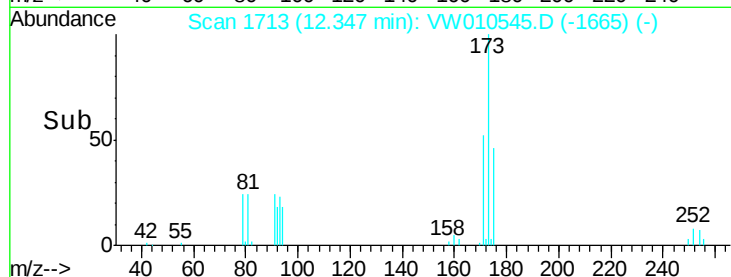
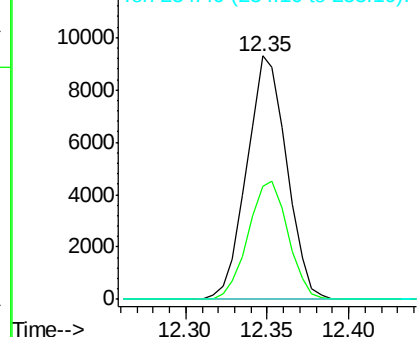
Tot Ion:	173	Resp:	15837
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0

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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

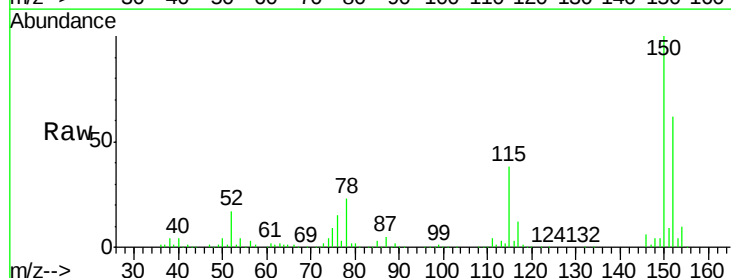
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

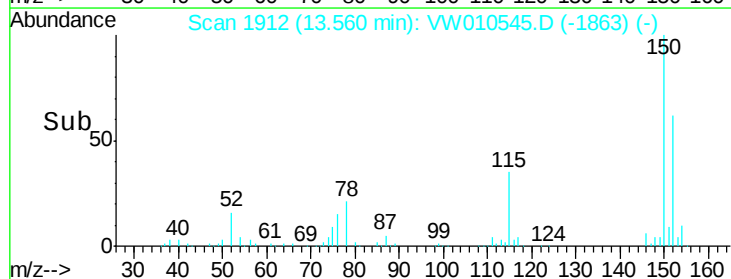
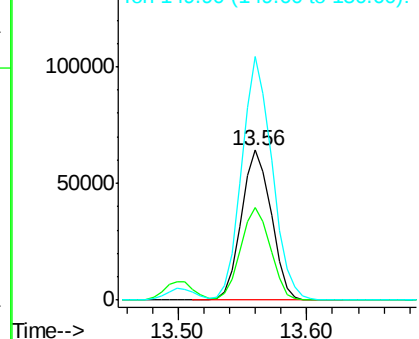
Lab File: VW010545.D

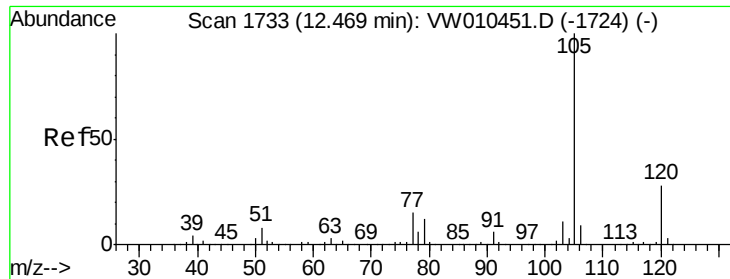
Acq: 24 May 2019 12:39

Tgt Ion:	152	Resp:	102607
Ion Ratio	Lower	Upper	
152	100		
115	61.9	30.3	91.0
150	165.2	0.0	349.8



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: 21.958 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBS01

Tot Ion:105 Resp: 178784

Ion Ratio Lower Upper

105 100

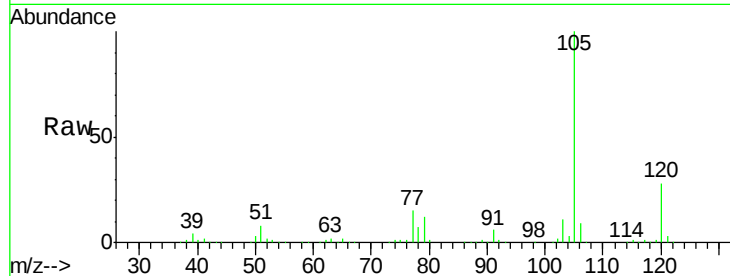
120 27.3 13.9 41.7

Manual Integrations

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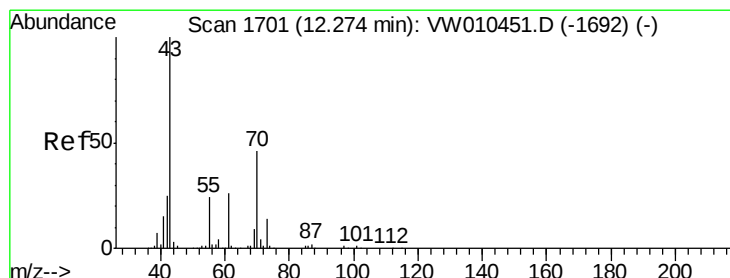
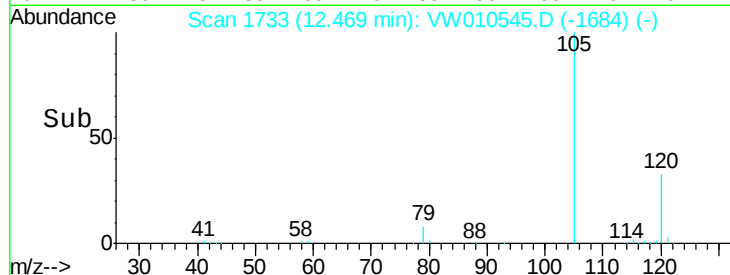
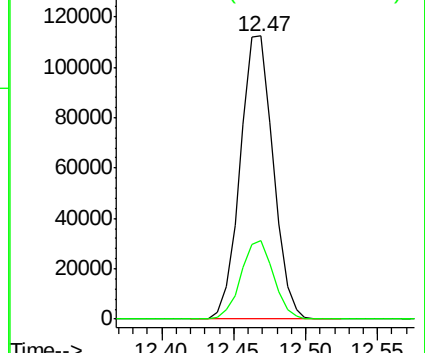
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.283 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion: 43 Resp: 28516

Ion Ratio Lower Upper

43 100

70 47.9 37.1 55.7

55 26.8 19.6 29.4

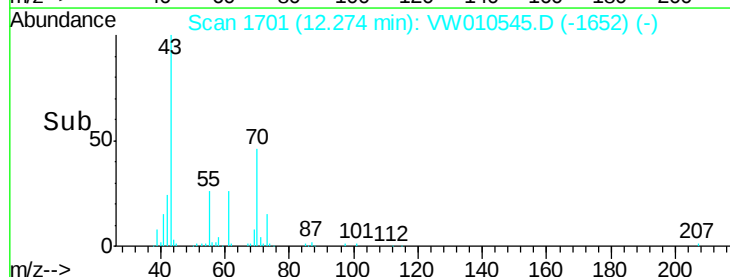
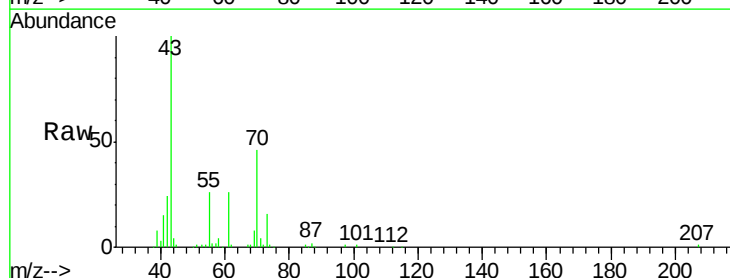
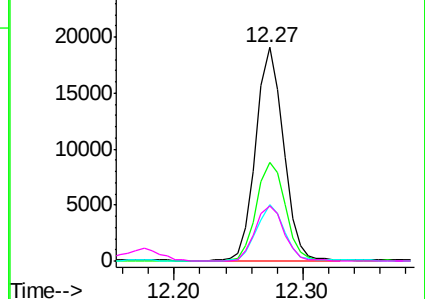
61 26.5 20.7 31.1

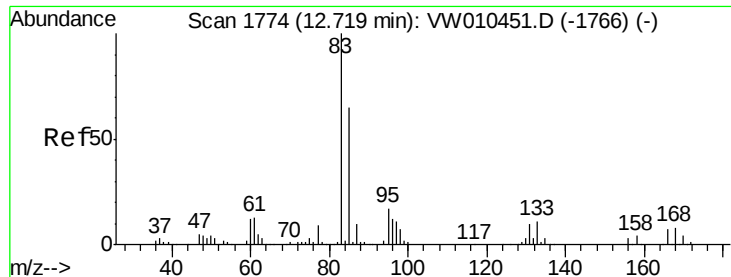
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 17.349 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

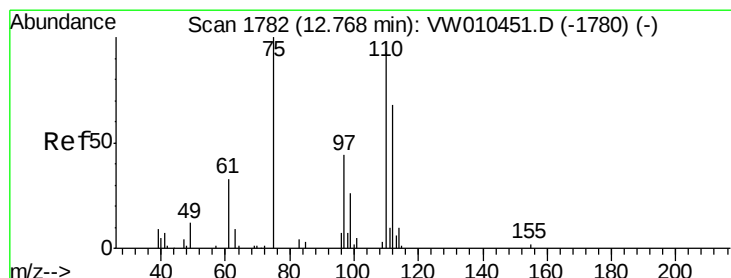
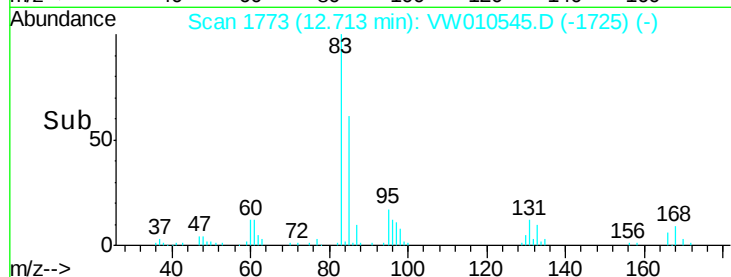
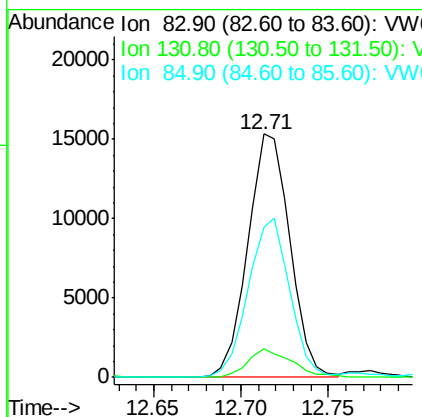
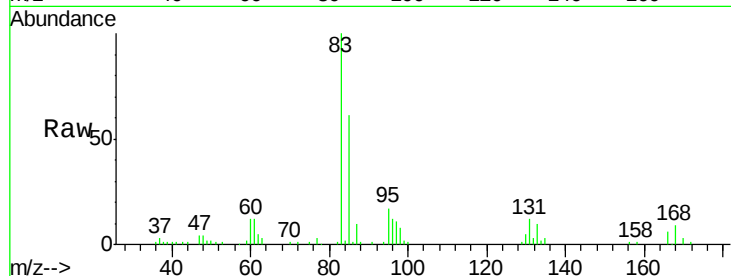
ClientSampleId :

VW0524SBS01

Tot Ion:	83	Resp:	25693
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.6	16.8
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.622 ug/l m

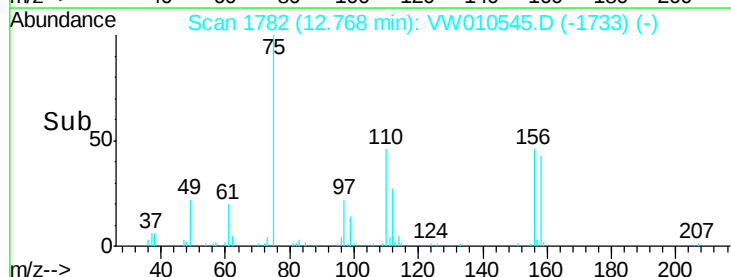
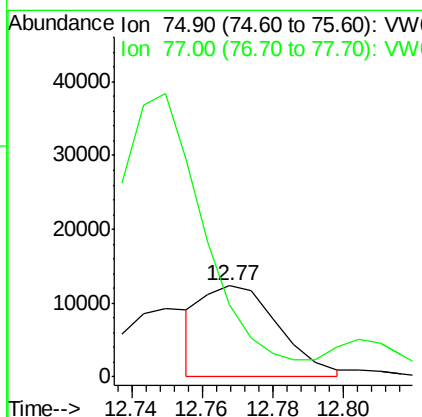
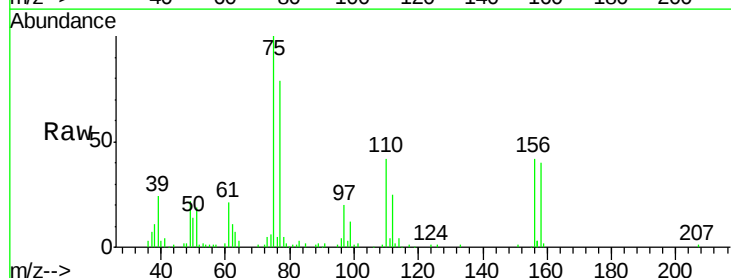
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion:	75	Resp:	18354
Ion Ratio	Lower	Upper	
75	100		
77	380.9	170.0	510.1





#77

Bromobenzene

Concen: 21.517 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Instrument :

MSVOA_W

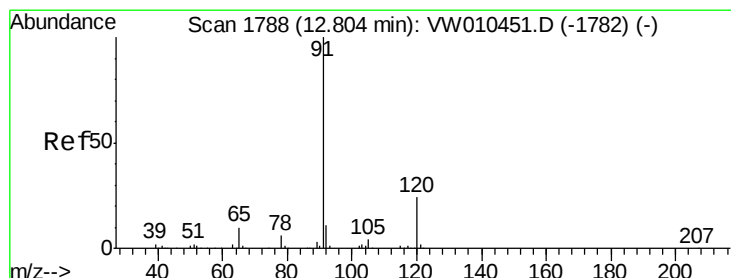
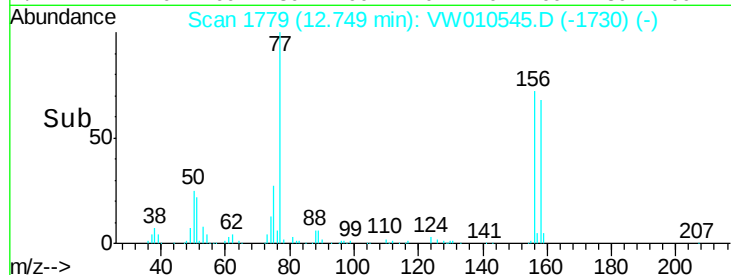
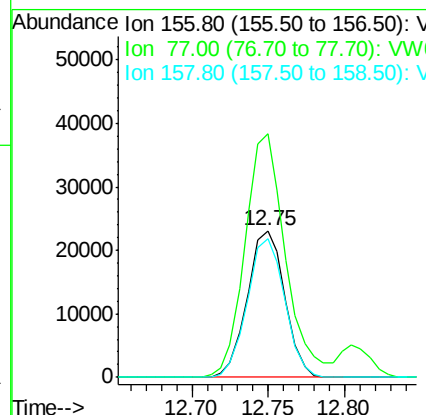
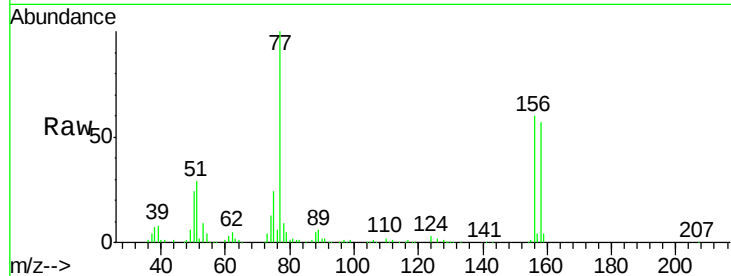
ClientSampled :

VW0524SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.3	92.4	277.2
158	95.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.791 ug/l

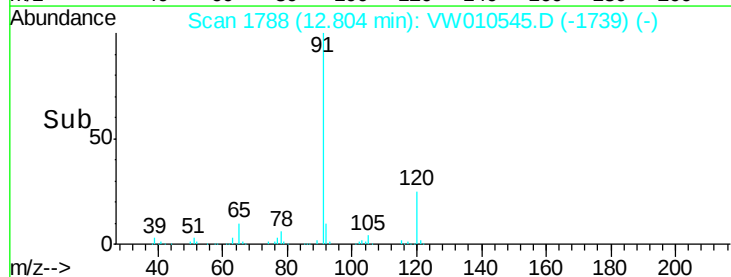
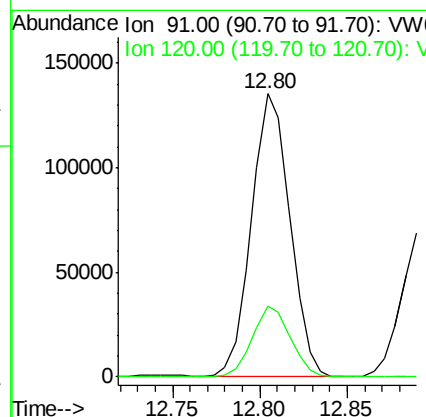
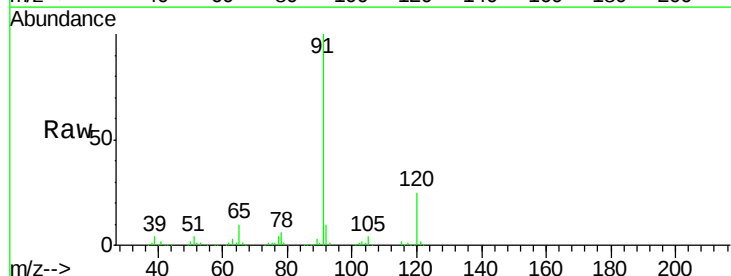
RT: 12.80 min Scan# 1788

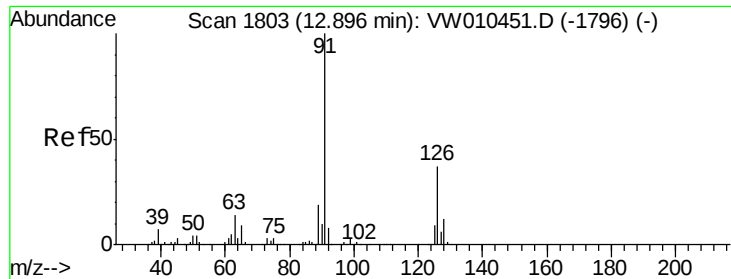
Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8





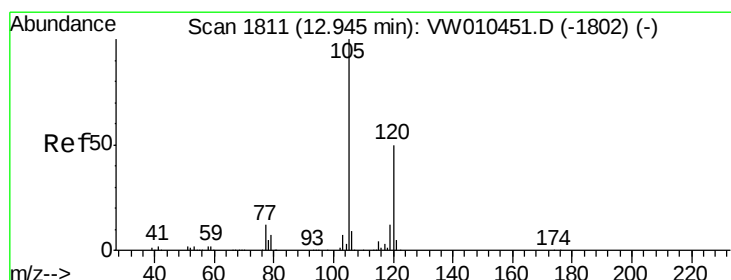
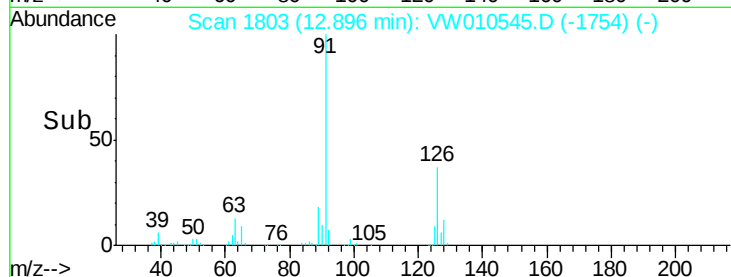
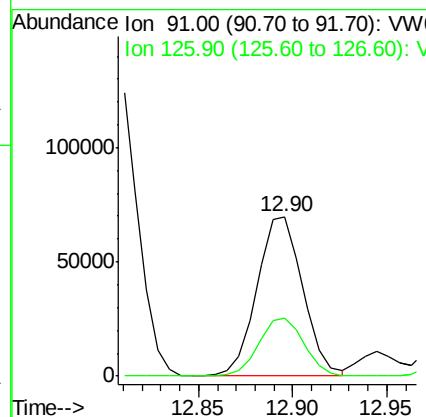
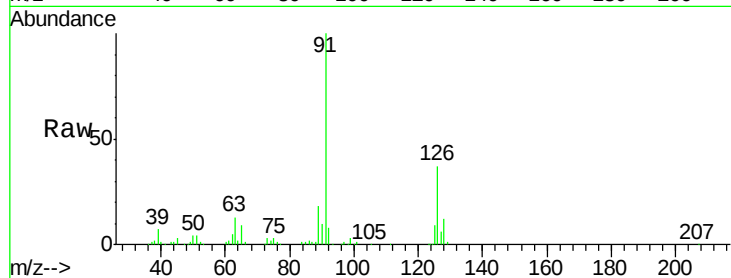
#79
 2-Chlorotoluene
 Concen: 21.325 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion: 91 Resp: 117346
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.4 52.3

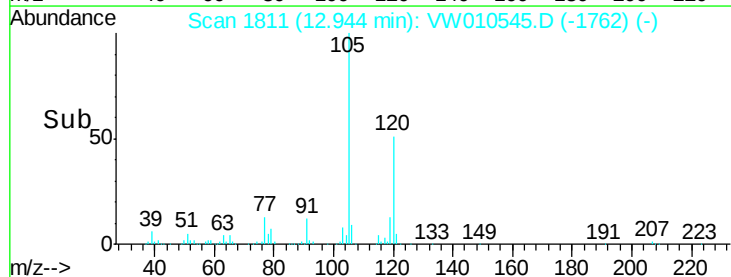
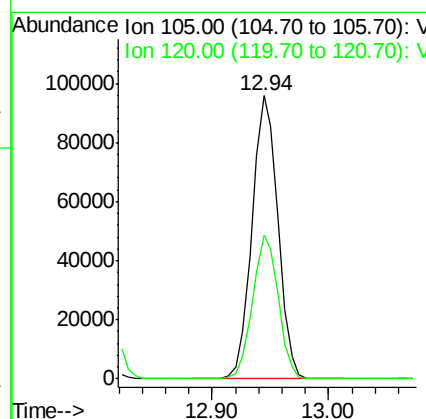
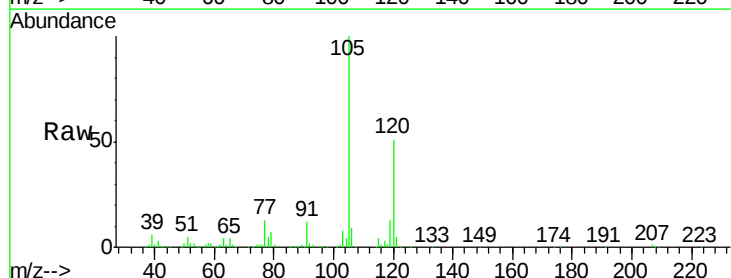
Manual Integrations
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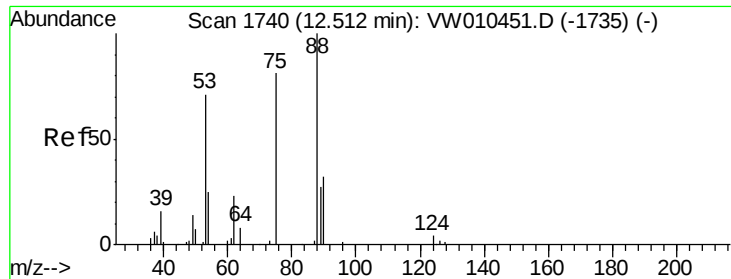
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.555 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion:105 Resp: 148641
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.2 75.6





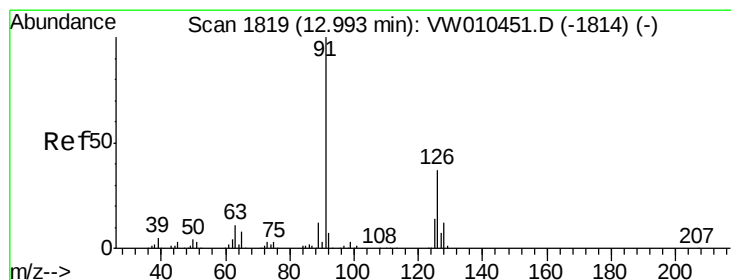
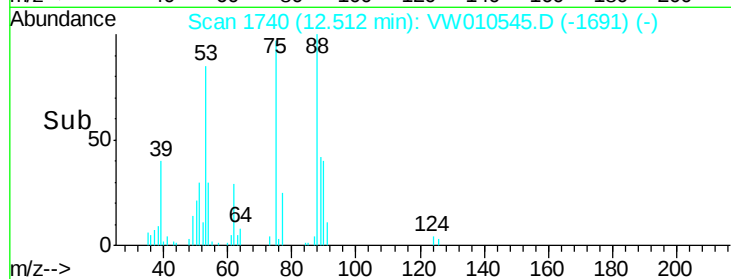
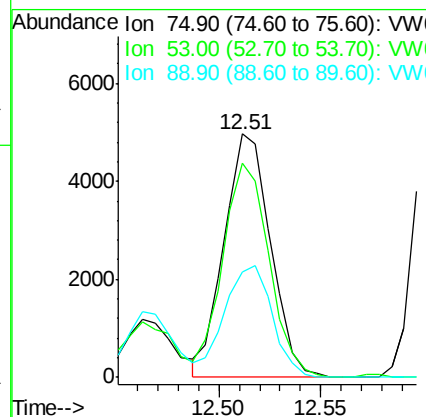
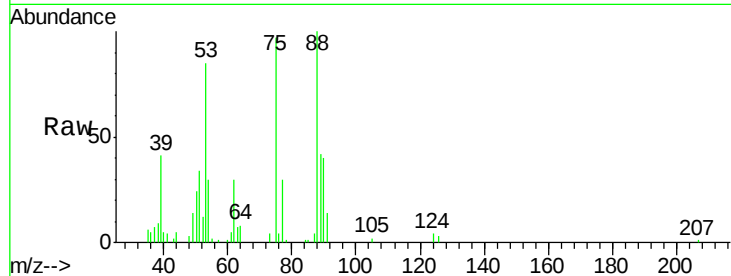
#81
trans-1,4-Dichloro-2-butene
Concen: 15.722 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	69.8	104.8
89	47.2	39.5	59.3

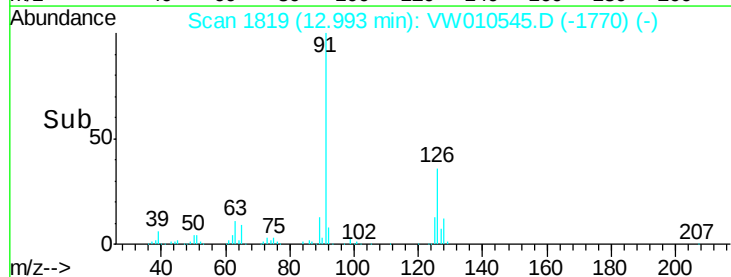
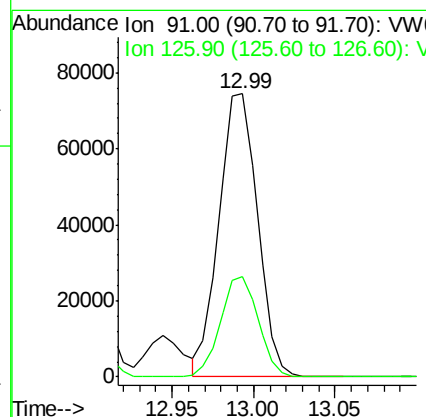
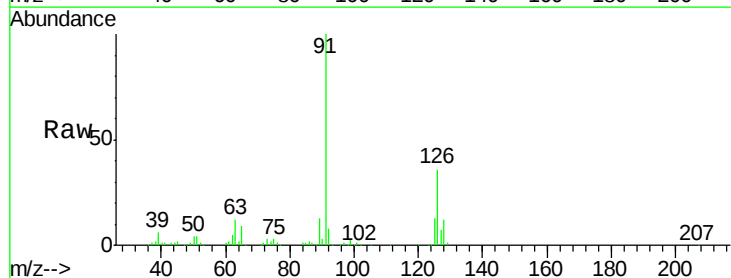
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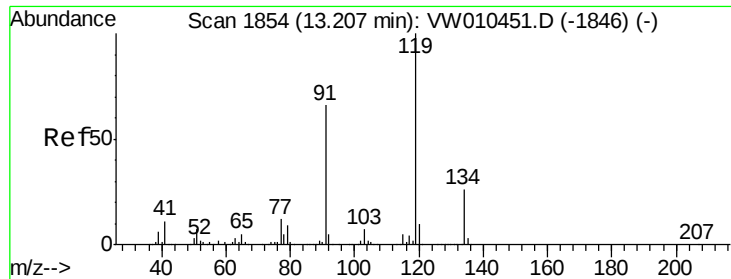
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.503 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.6





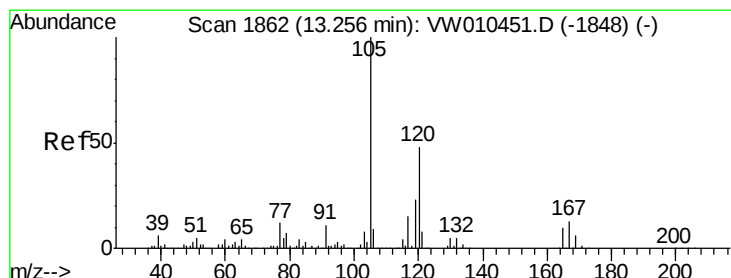
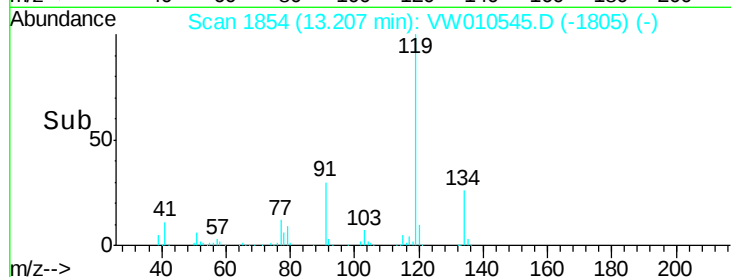
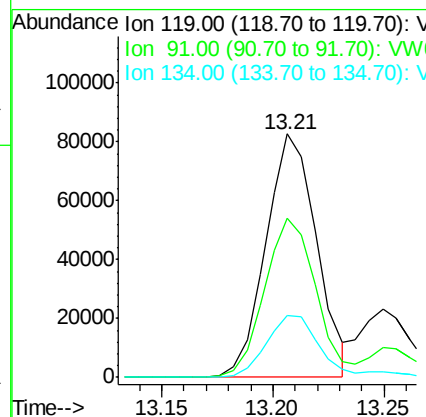
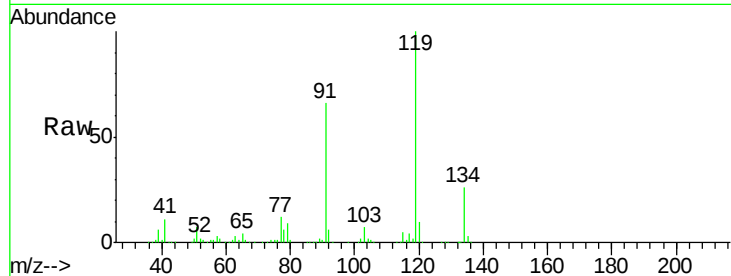
#83
 tert-Butylbenzene
 Concen: 21.679 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130587		
91	66.4		33.1	99.5
134	28.1		13.9	41.6

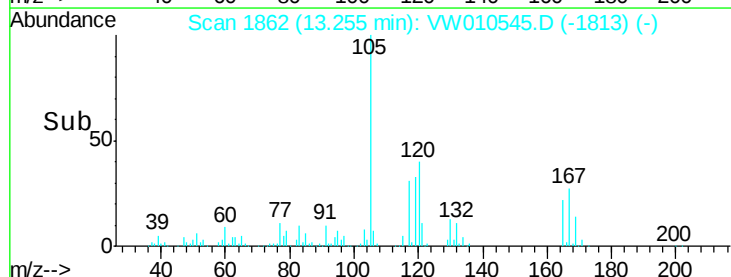
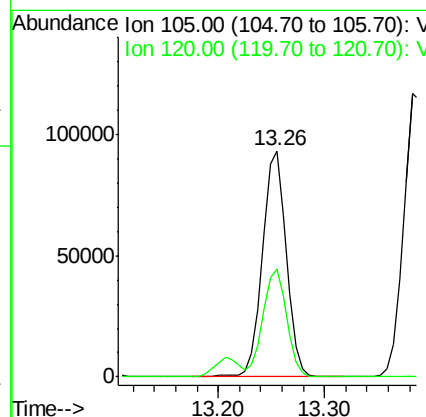
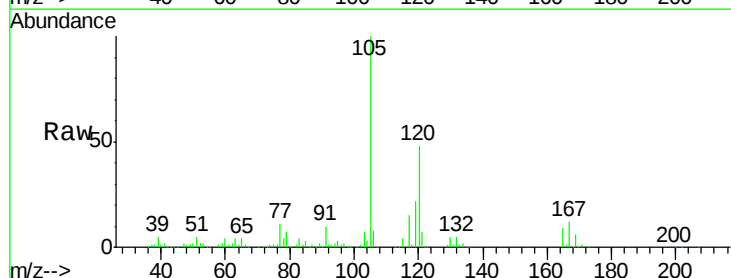
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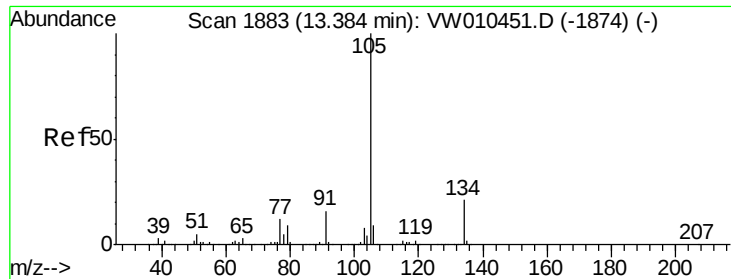
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.409 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147039		
120	47.3		23.4	70.2





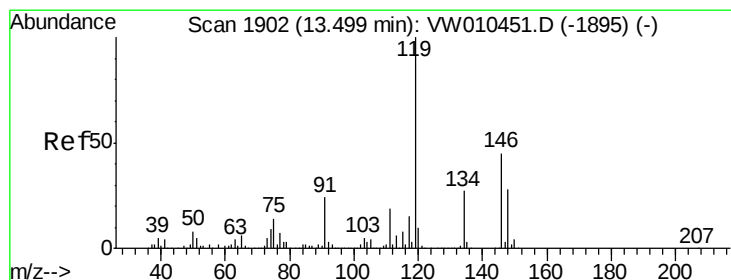
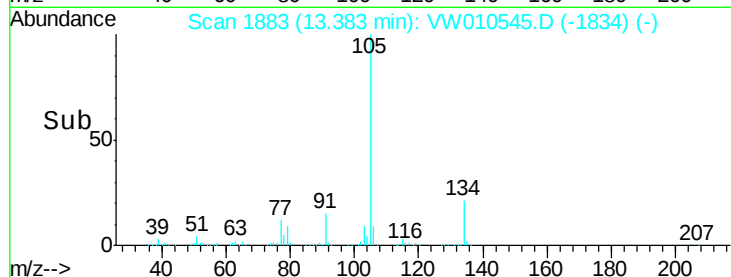
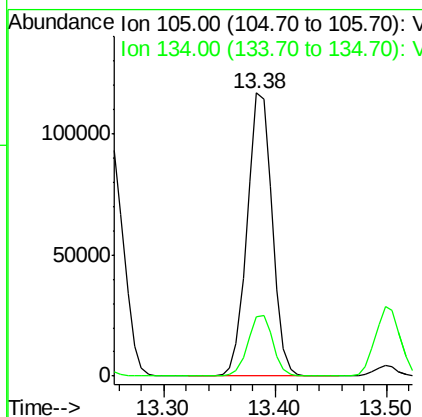
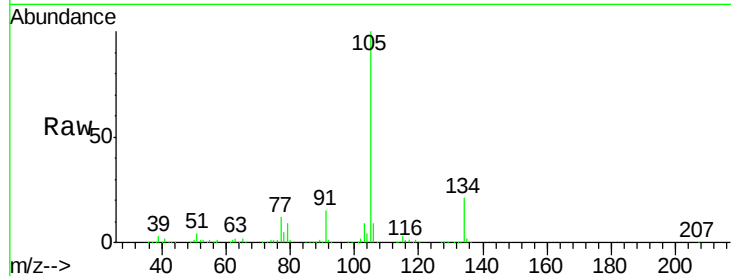
#85
 sec-Butylbenzene
 Concen: 21.649 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.5	31.6

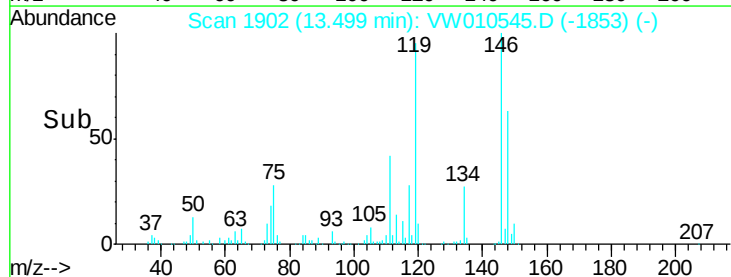
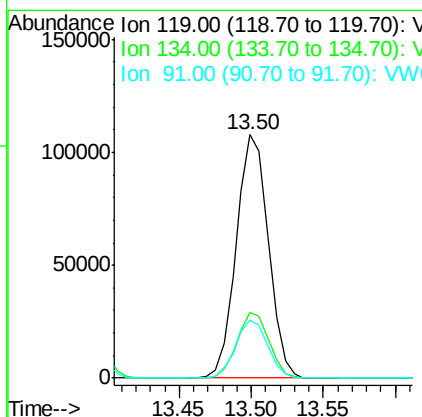
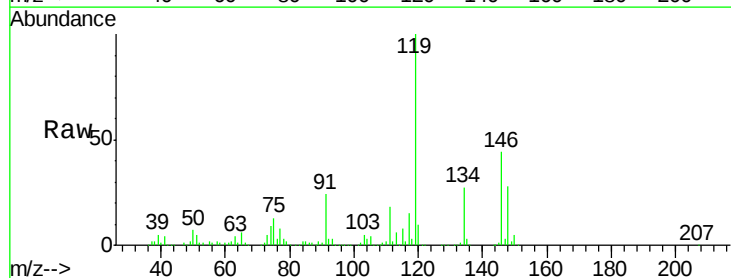
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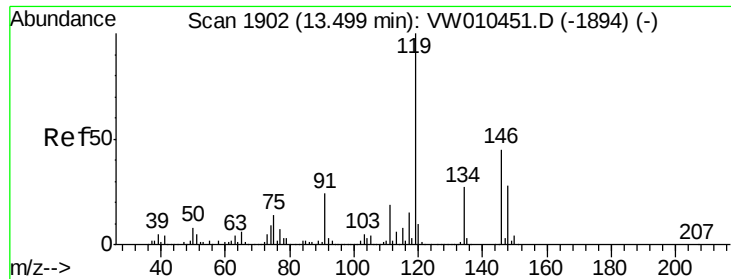
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#86
 p-Isopropyltoluene
 Concen: 21.781 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	24.1	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 21.883 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

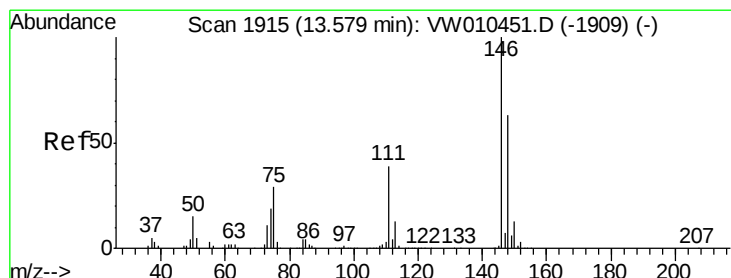
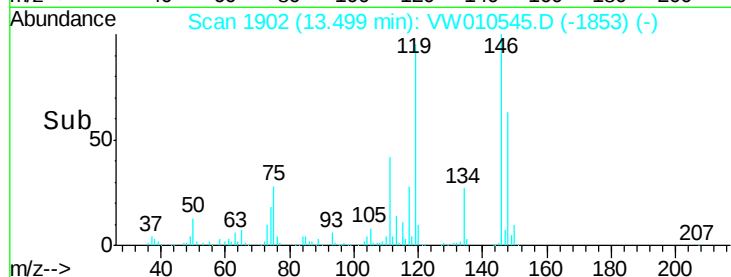
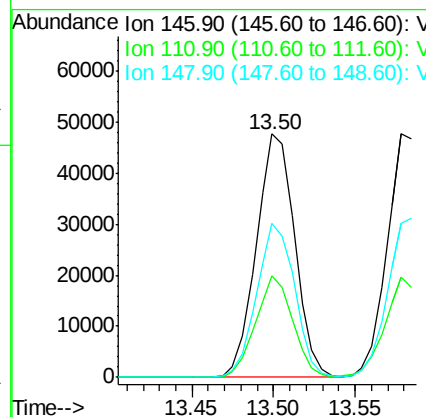
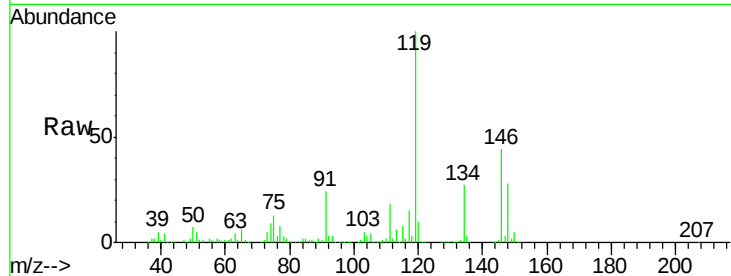
Instrument :
MSVOA_W

ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	62.5	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.354 ug/l

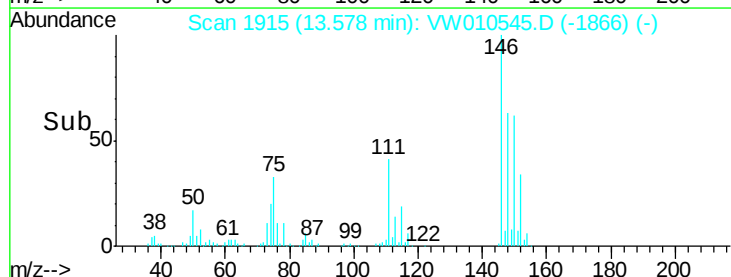
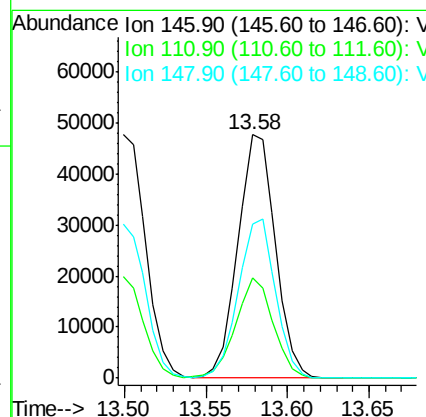
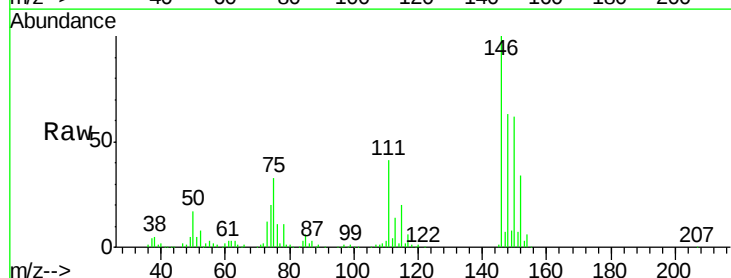
RT: 13.58 min Scan# 1915

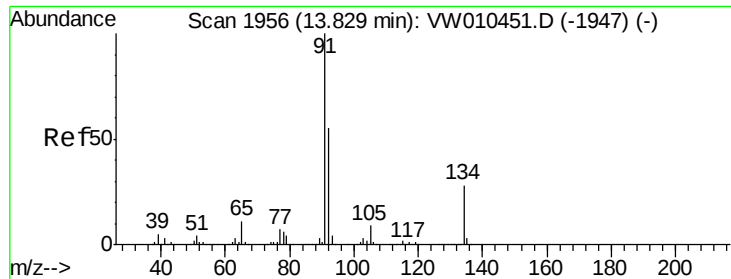
Delta R.T. -0.00 min

Lab File: VW010545.D

Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.9	59.6
148	64.7	31.6	94.8





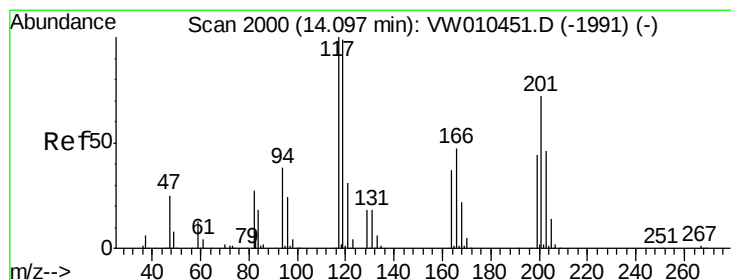
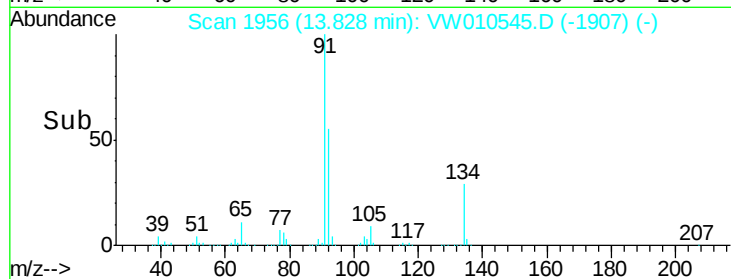
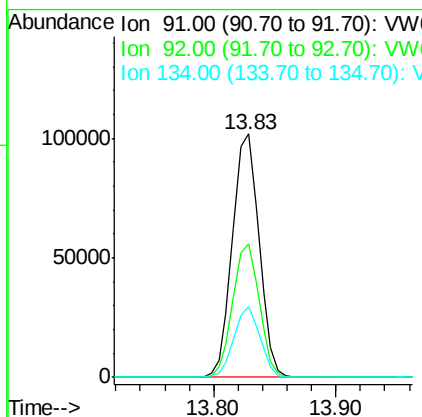
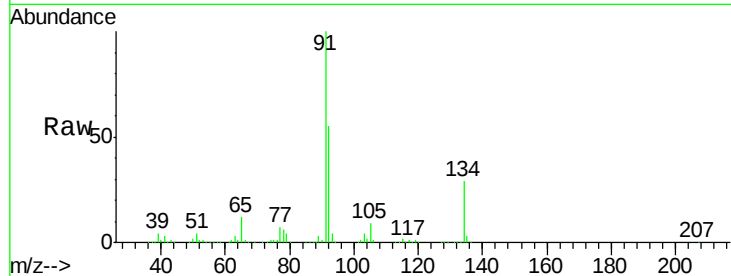
#89
n-Butylbenzene
Concen: 21.162 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.7	83.1	
134	28.2	13.9	41.6	

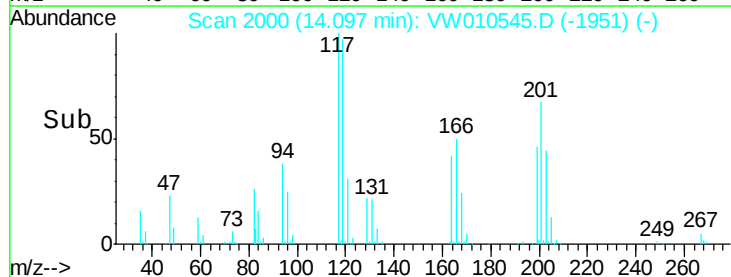
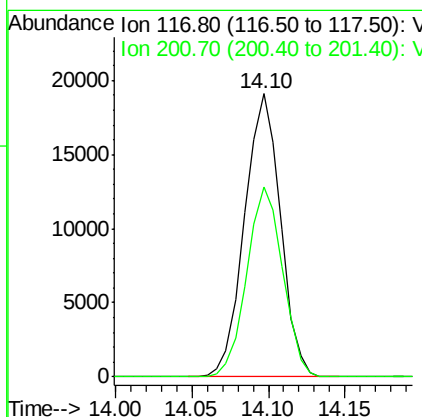
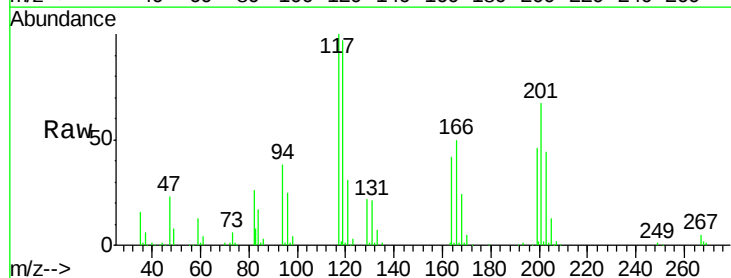
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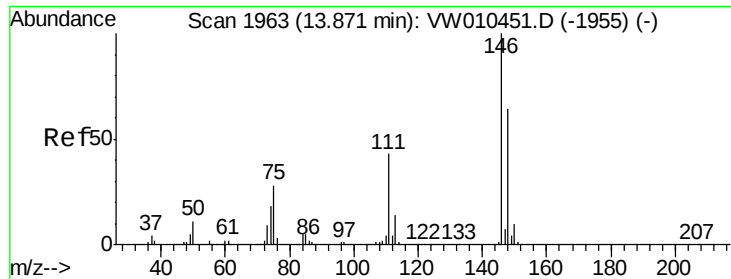
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#90
Hexachloroethane
Concen: 21.135 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.1	34.6	103.8	





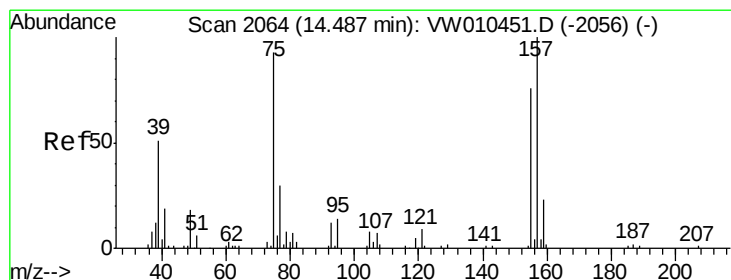
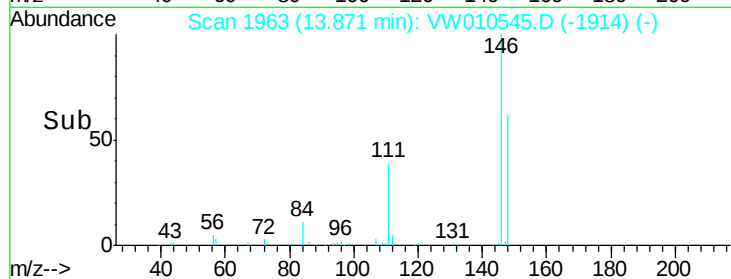
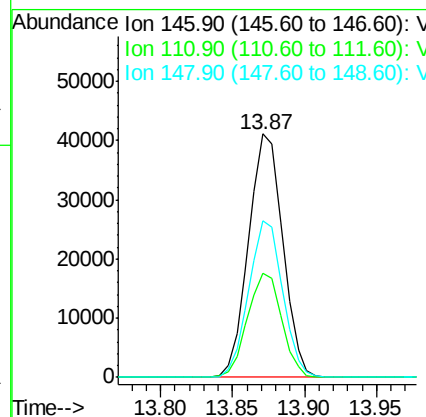
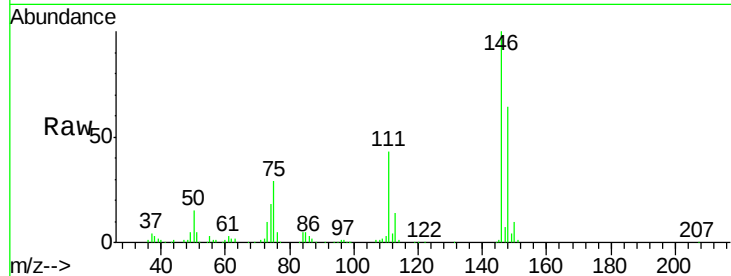
#91
 1,2-Dichlorobenzene
 Concen: 20.782 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.5	32.0	96.0

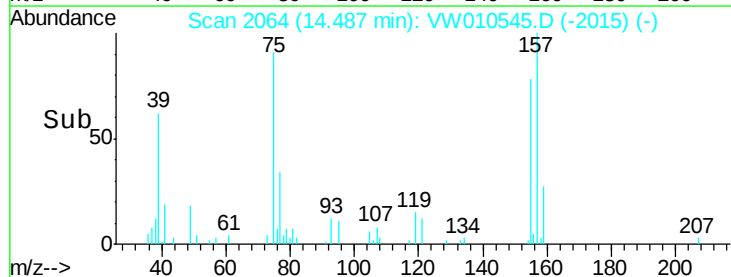
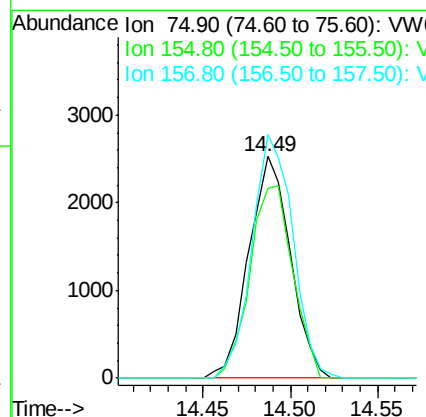
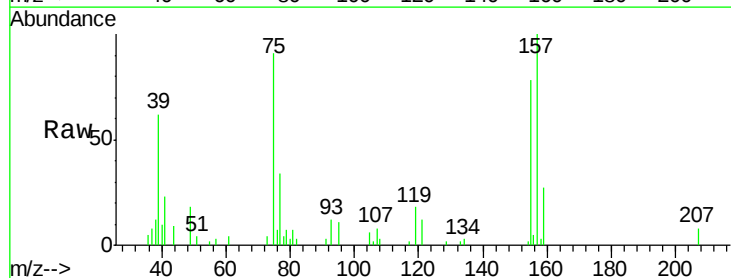
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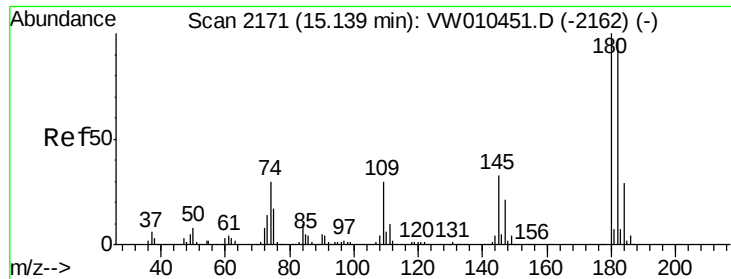
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.158 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	43.0	129.0
157	108.2	55.7	167.1





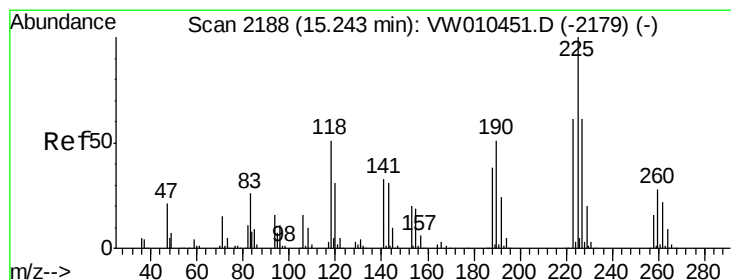
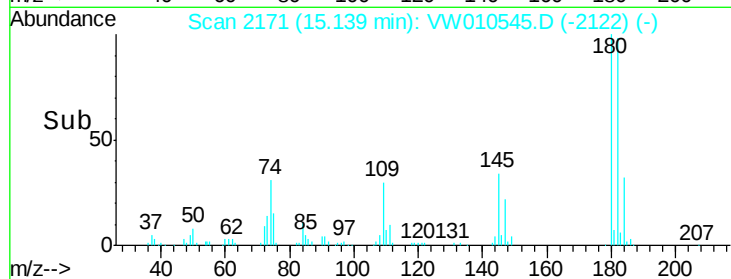
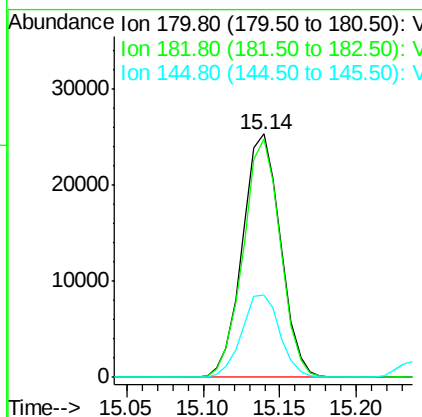
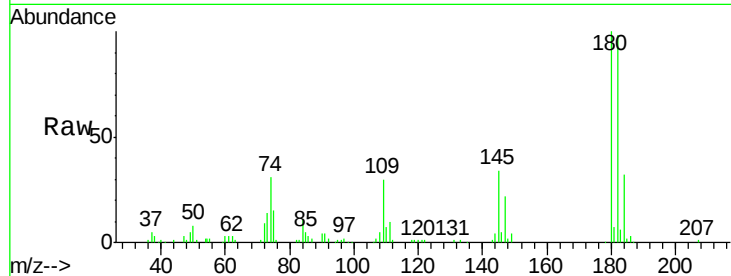
#93
 1,2,4-Trichlorobenzene
 Concen: 19.724 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43711		
182	95.4	47.0	141.2	
145	34.2	16.7	50.0	

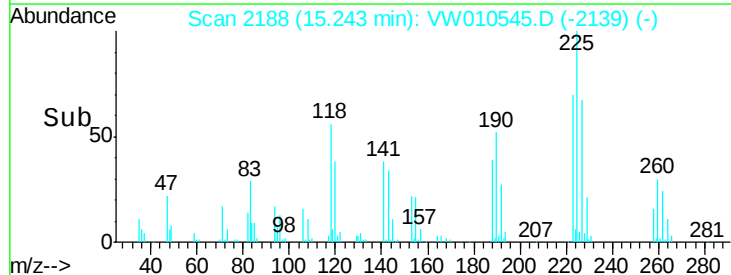
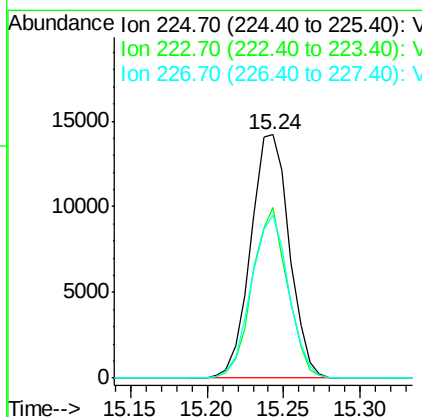
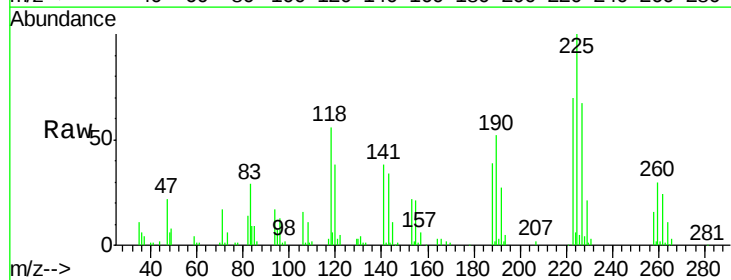
Manual Integrations
 APPROVED

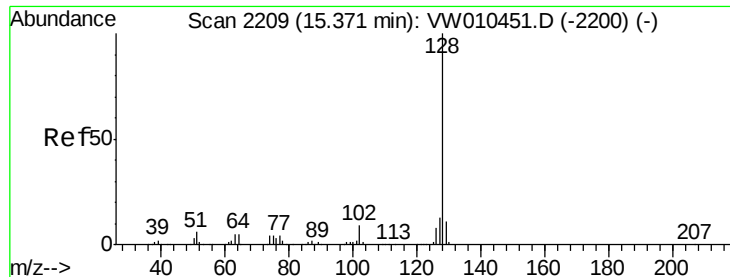
MMDadoda
 5/28/2019 12:01:17 PM



#94
 Hexachlorobutadiene
 Concen: 21.129 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010545.D
 Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25015		
223	63.7	31.1	93.2	
227	65.1	31.1	93.5	





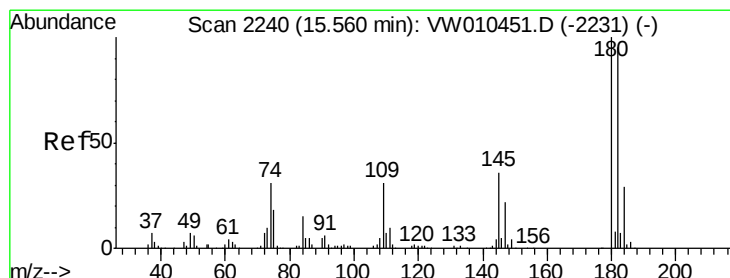
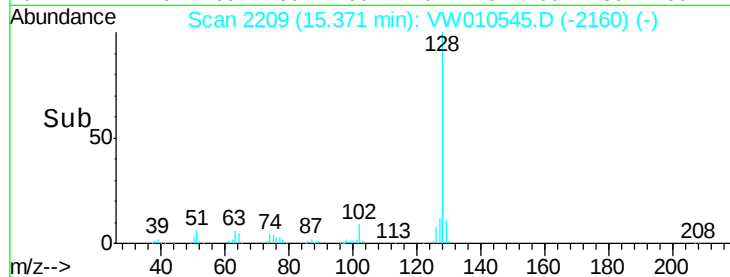
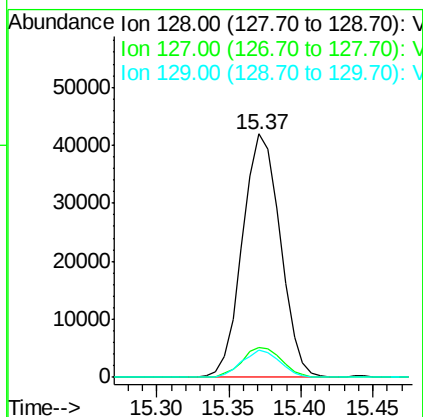
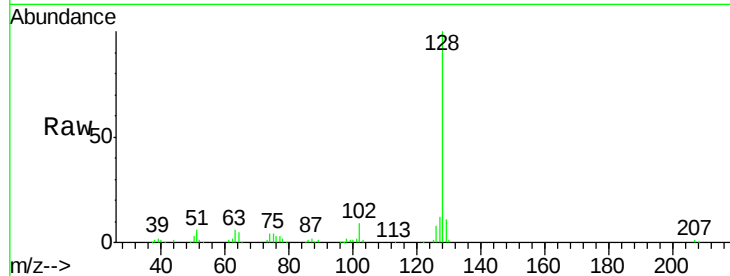
#95
Naphthalene
Concen: 16.406 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.326 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010545.D
Acq: 24 May 2019 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.1	141.3
145	35.7	17.4	52.3

