

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015221.D
 Acq On : 20 Apr 2020 14:06
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:29 AM

Quant Time: Apr 20 14:34:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	302131	129.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.98%	
35) Dibromofluoromethane	7.88	113	301218	153.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.36%	
50) Toluene-d8	10.32	98	1185927	148.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.90%	
62) 4-Bromofluorobenzene	12.62	95	468487	168.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	289007	179.602	ug/l	97
3) Chloromethane	2.22	50	302037	138.707	ug/l	99
4) Vinyl Chloride	2.36	62	358763	139.912	ug/l	100
5) Bromomethane	2.75	94	251553	186.349	ug/l	93
6) Chloroethane	2.91	64	212640	168.113	ug/l	99
7) Trichlorofluoromethane	3.26	101	535241	325.752	ug/l	98
8) Diethyl Ether	3.69	74	149288	117.856	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	326084	130.592	ug/l	94
10) Methyl Iodide	4.28	142	395793	106.145	ug/l	100
11) Tert butyl alcohol	5.17	59	110268	636.612	ug/l	99
12) 1,1-Dichloroethene	4.04	96	310572	120.769	ug/l	95
13) Acrolein	3.90	56	62521	347.195	ug/l	99
14) Allyl chloride	4.68	41	417284	109.689	ug/l	87
15) Acrylonitrile	5.37	53	284443	535.055	ug/l	99
16) Acetone	4.13	43	242405	583.287	ug/l	96
17) Carbon Disulfide	4.39	76	913347	116.691	ug/l	99
18) Methyl Acetate	4.68	43	134556	105.881	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	743008	220.611	ug/l	96
20) Methylene Chloride	4.92	84	311112	108.099	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	356816	131.505	ug/l	95
22) Diisopropyl ether	6.32	45	808903	105.430	ug/l	95
23) Vinyl Acetate	6.26	43	2414449	541.874	ug/l	96
24) 1,1-Dichloroethane	6.22	63	564841	123.827	ug/l	99
25) 2-Butanone	7.17	43	353550	531.623	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	573277	188.838	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	389681	133.223	ug/l	99
28) Bromochloromethane	7.51	49	196260	102.946	ug/l #	76
29) Tetrahydrofuran	7.53	42	224160	514.205	ug/l	89
30) Chloroform	7.68	83	604940	135.383	ug/l	97
31) Cyclohexane	7.96	56	495687	101.661	ug/l	92
32) 1,1,1-Trichloroethane	7.88	97	575476	152.883	ug/l	100
36) 1,1-Dichloropropene	8.09	75	459197	145.027	ug/l	99
37) Ethyl Acetate	7.26	43	157302	119.369	ug/l	97
38) Carbon Tetrachloride	8.07	117	519552	178.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	612238	143.892	ug/l	97
40) Benzene	8.32	78	1247114	138.711	ug/l	97
41) Methacrylonitrile	7.49	41	102727	131.749	ug/l	96
42) 1,2-Dichloroethane	8.40	62	382383	167.575	ug/l	99
43) Isopropyl Acetate	8.43	43	325907	126.553	ug/l	96
44) Trichloroethene	9.09	130	376873	159.530	ug/l	94
45) 1,2-Dichloropropane	9.37	63	287675	130.049	ug/l	99
46) Dibromomethane	9.46	93	173444	156.893	ug/l #	87
47) Bromodichloromethane	9.65	83	457928	159.763	ug/l	97
48) Methyl methacrylate	9.43	41	153281	127.254	ug/l #	89
49) 1,4-Dioxane	9.45	88	44645	2545.499	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	774437	568.585	ug/l	96
52) Toluene	10.39	92	879655	152.854	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	454754	155.942	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	523363	148.762	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	240860	153.765	ug/l	96
56) Ethyl methacrylate	10.65	69	312075	144.576	ug/l	94
57) 1,3-Dichloropropane	10.93	76	400150	145.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	703006	658.056	ug/l	90
59) 2-Hexanone	10.97	43	546228	638.994	ug/l	96
60) Dibromochloromethane	11.13	129	323086	172.867	ug/l	98
61) 1,2-Dibromoethane	11.23	107	239128	158.402	ug/l	99
64) Tetrachloroethene	10.86	164	345719	176.507	ug/l	94
65) Chlorobenzene	11.66	112	953087	151.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	356677	164.476	ug/l	97
67) Ethyl Benzene	11.73	91	1780581	150.329	ug/l	100
68) m/p-Xylenes	11.84	106	1400680	311.609	ug/l	98
69) o-Xylene	12.16	106	665368	157.930	ug/l	99
70) Styrene	12.18	104	1150198	161.603	ug/l	100
71) Bromoform	12.35	173	204447	189.835	ug/l #	97
73) Isopropylbenzene	12.46	105	1845671	131.668	ug/l	100
74) N-amyl acetate	12.27	43	334268	102.583	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	264590	112.655	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	212988m	132.370	ug/l	
77) Bromobenzene	12.75	156	436055	150.152	ug/l	85
78) n-propylbenzene	12.80	91	2144894	126.881	ug/l	96
79) 2-Chlorotoluene	12.89	91	1231140	131.741	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1615152	136.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	99165	119.239	ug/l	96
82) 4-Chlorotoluene	12.99	91	1302212	131.893	ug/l	98
83) tert-Butylbenzene	13.21	119	1397232	136.525	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1586475	135.234	ug/l	100
85) sec-Butylbenzene	13.38	105	1917535	131.834	ug/l	97
86) p-Isopropyltoluene	13.50	119	1783163	137.396	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	848260	146.613	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	845036	147.221	ug/l	97
89) n-Butylbenzene	13.82	91	1682723	131.150	ug/l	98
90) Hexachloroethane	14.09	117	329292	131.965	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	755220	146.815	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	49430	129.983	ug/l	89

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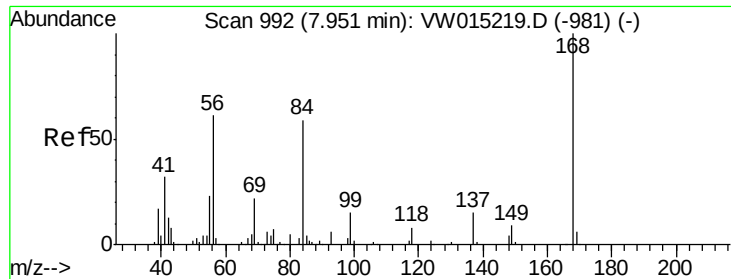
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	556669	164.004	ug/l	97
94) Hexachlorobutadiene	15.23	225	356489	182.046	ug/l	99
95) Naphthalene	15.36	128	908394	139.118	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	458585	157.433	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 246759

Ion Ratio Lower Upper

168 100

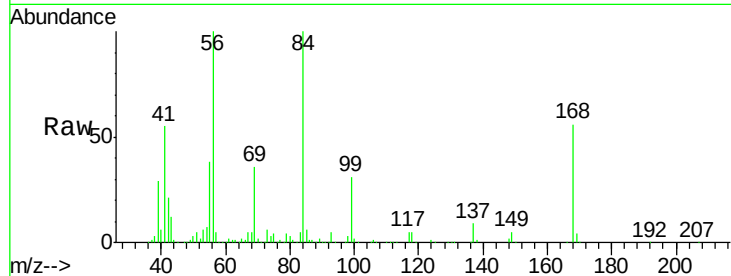
99 55.8 48.5 72.7

Manual Integrations

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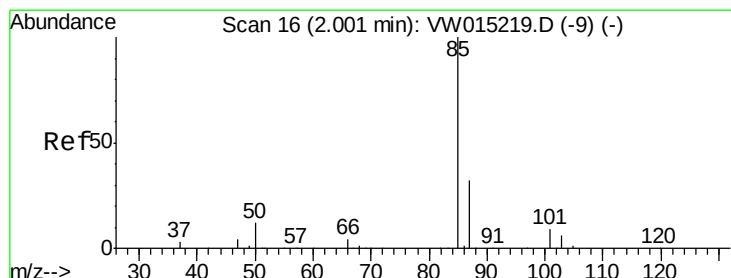
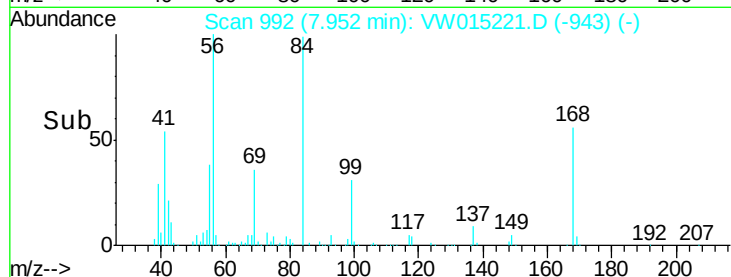
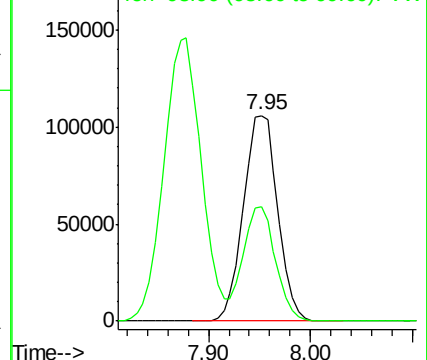
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 179.602 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015221.D

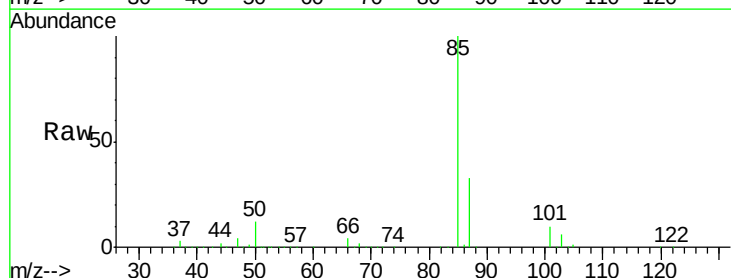
Acq: 20 Apr 2020 14:06

Tgt Ion: 85 Resp: 289007

Ion Ratio Lower Upper

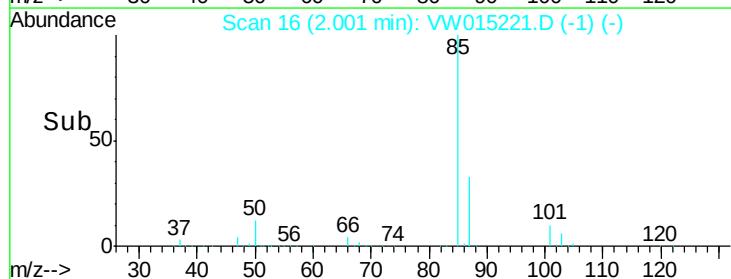
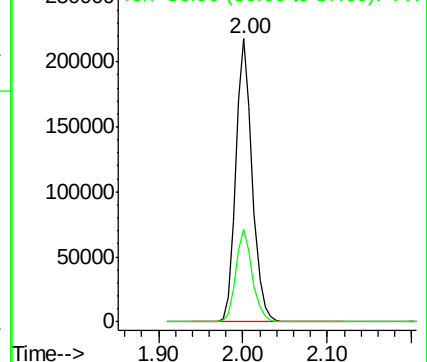
85 100

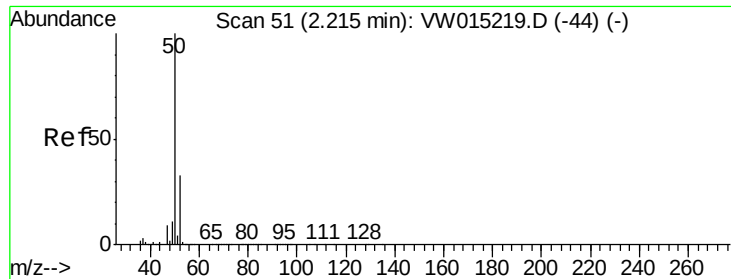
87 32.5 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 138.707 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tot Ion: 50 Resp: 302037

Ion Ratio Lower Upper

50 100

52 33.9 26.5 39.7

Instrument :

MSVOA_W

ClientSampleId :

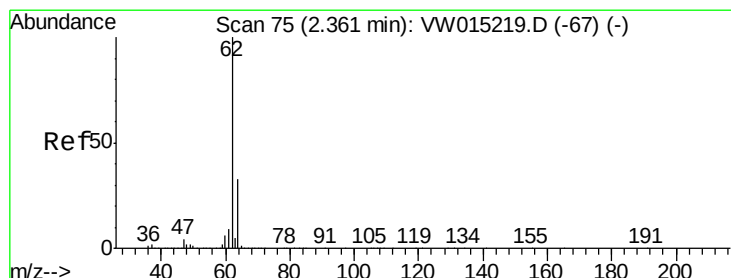
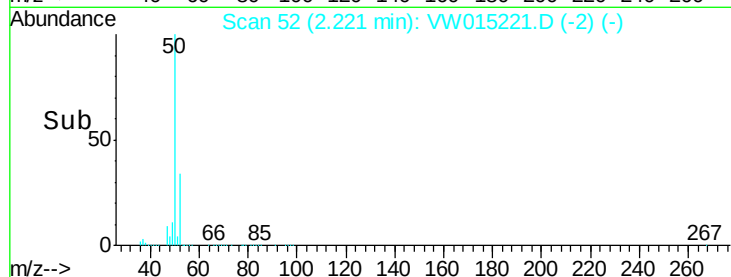
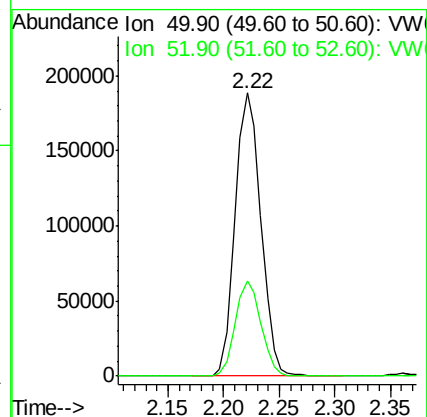
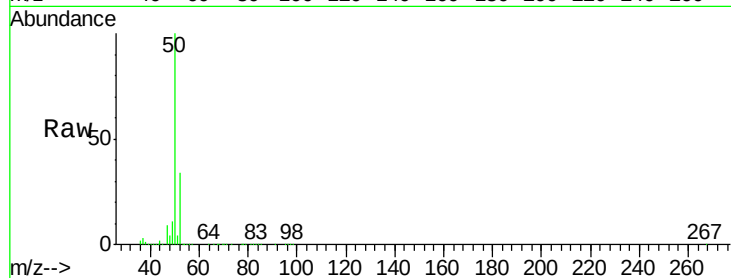
VSTDIC150

Manual Integrations

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#4

Vinyl Chloride

Concen: 139.912 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015221.D

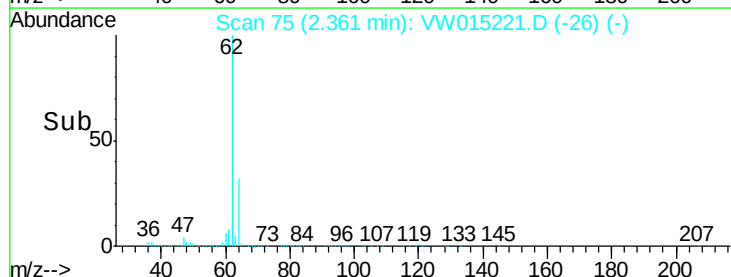
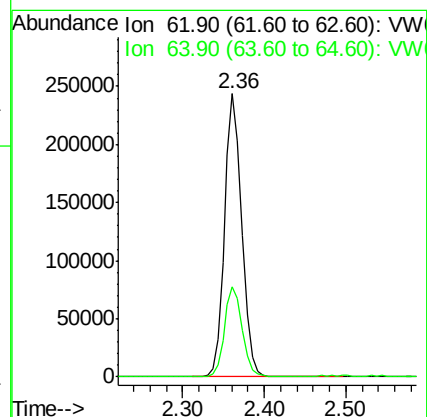
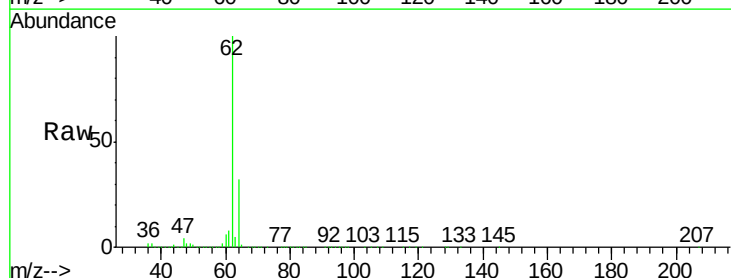
Acq: 20 Apr 2020 14:06

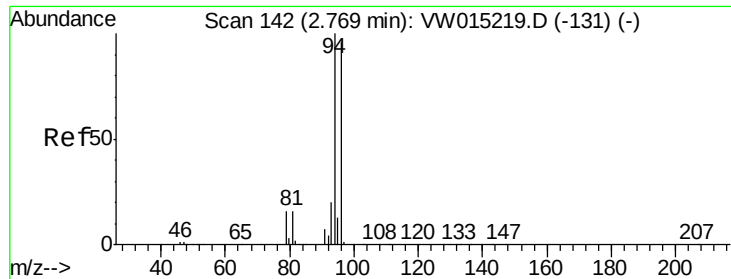
Tgt Ion: 62 Resp: 358763

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 186.349 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 251553

Ion Ratio Lower Upper

94 100

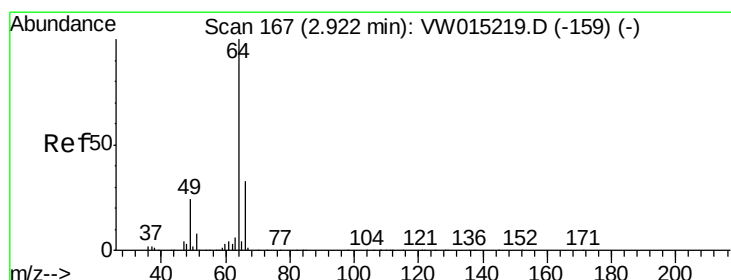
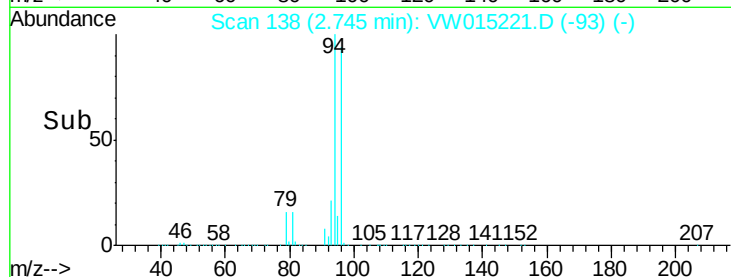
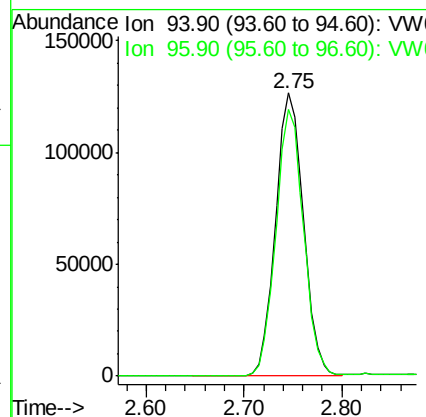
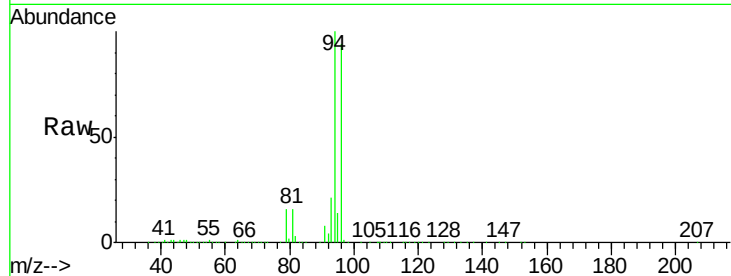
96 94.1 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 168.113 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW015221.D

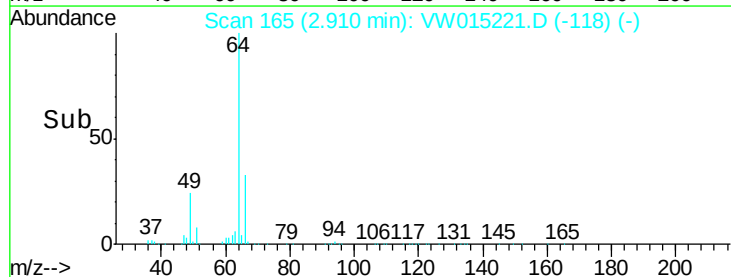
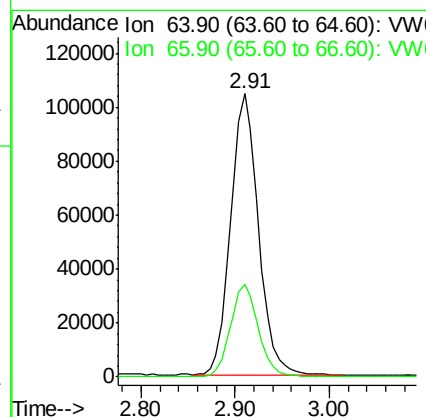
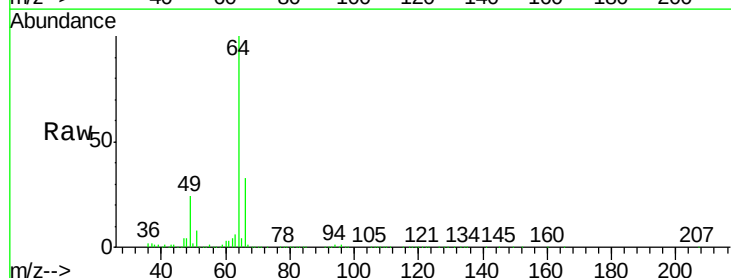
Acq: 20 Apr 2020 14:06

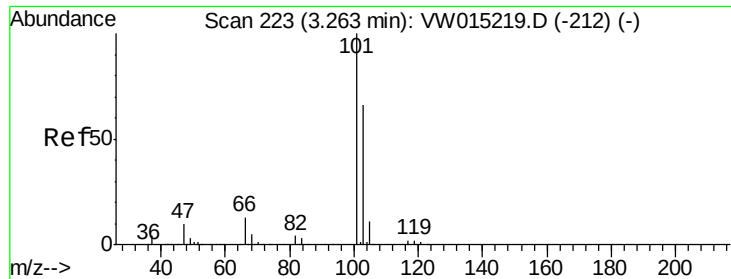
Tgt Ion: 64 Resp: 212640

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

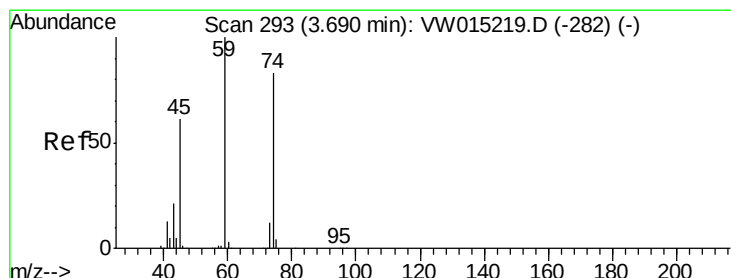
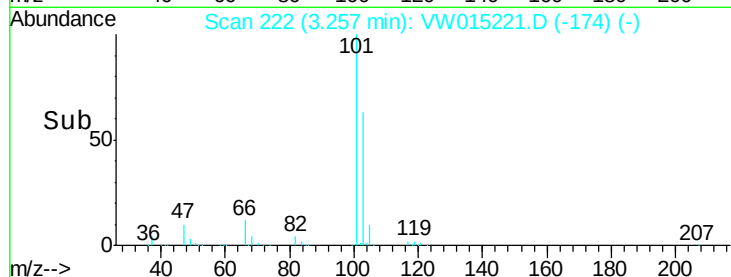
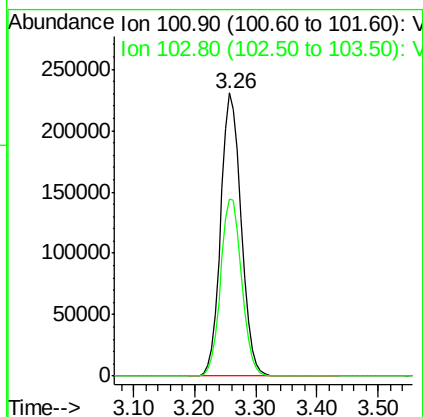
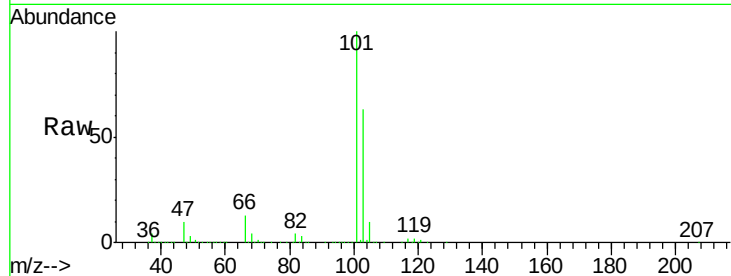
Trichlorofluoromethane
 Concen: 325.752 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	535241		
103	62.6	51.3	76.9	

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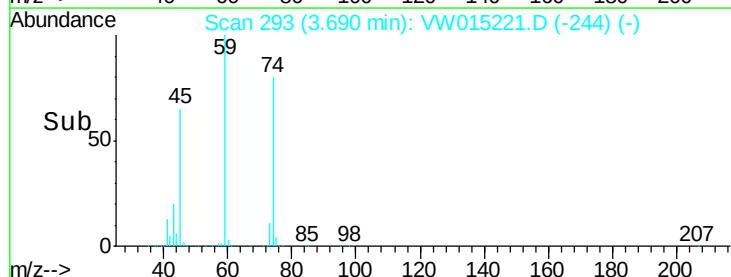
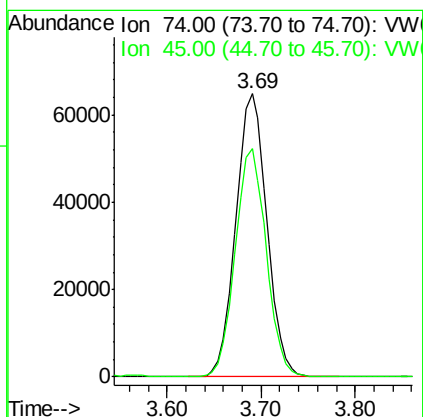
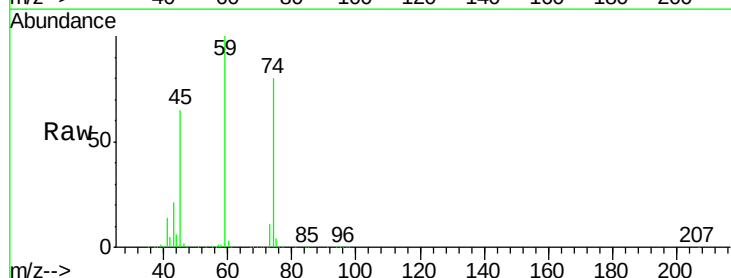
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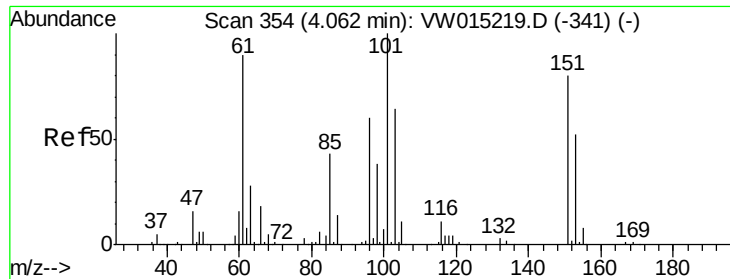


#8

Diethyl Ether
 Concen: 117.856 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	149288		
45	80.2	45.5	136.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.592 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

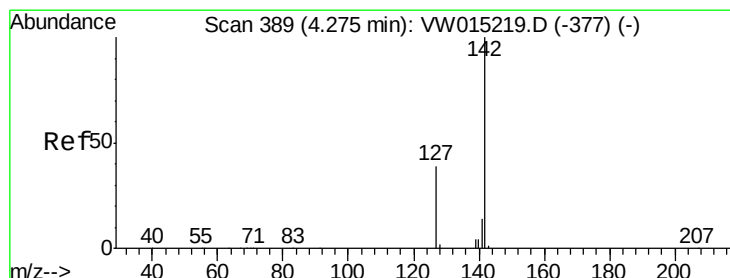
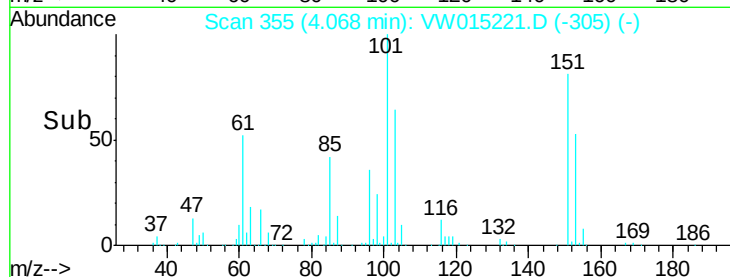
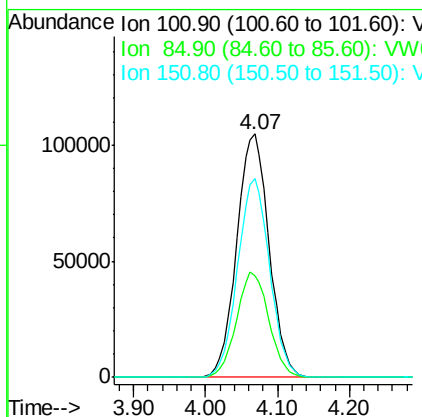
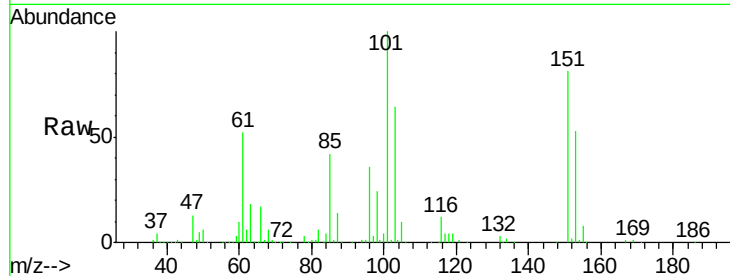
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	326084
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.3	52.9
151	81.0	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 106.145 ug/l

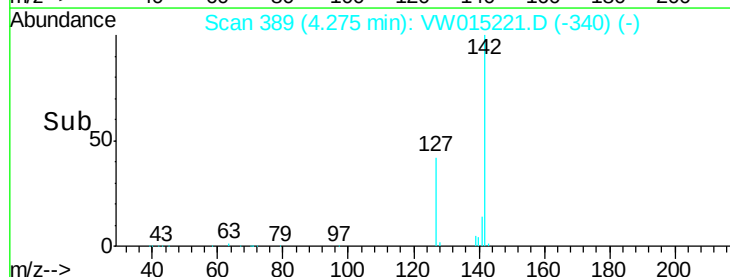
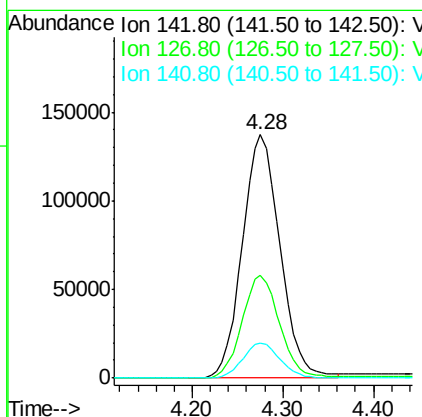
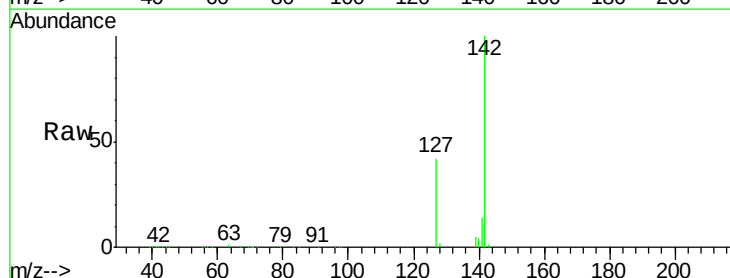
RT: 4.28 min Scan# 389

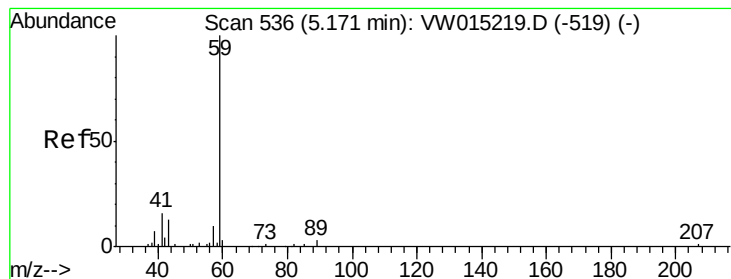
Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	142	Resp:	395793
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.3	11.4	17.2





#11

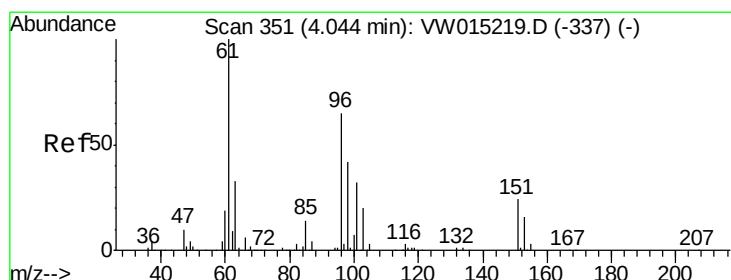
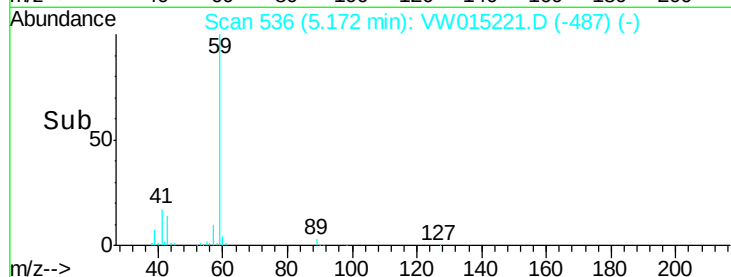
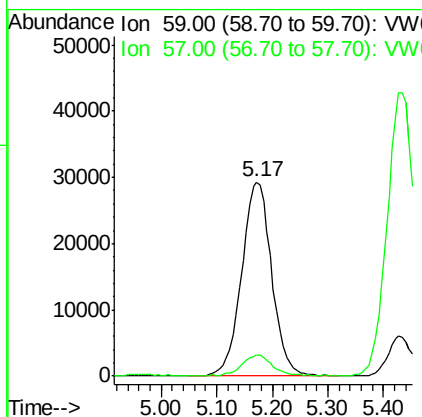
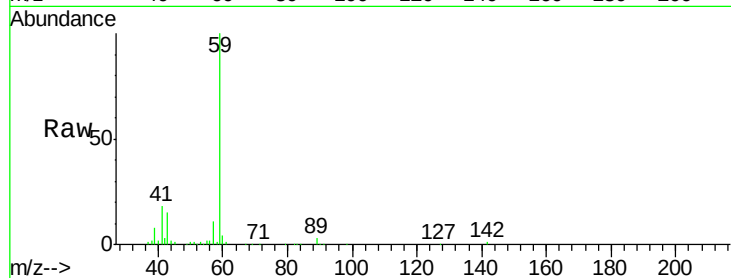
Tert butyl alcohol
Concen: 636.612 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	110268
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
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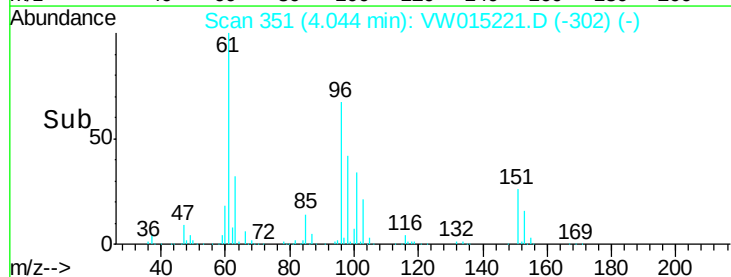
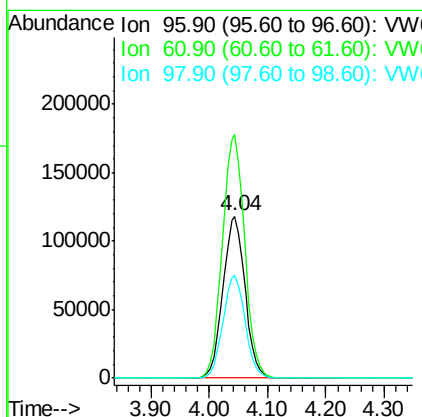
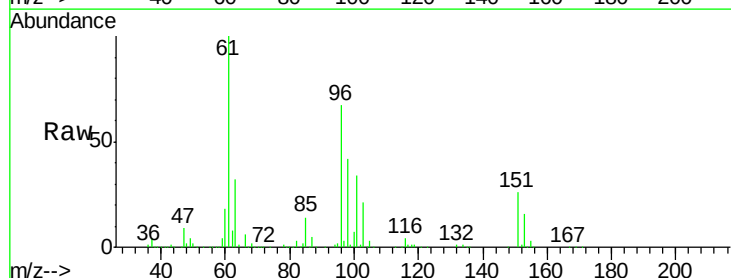
MMDadoda
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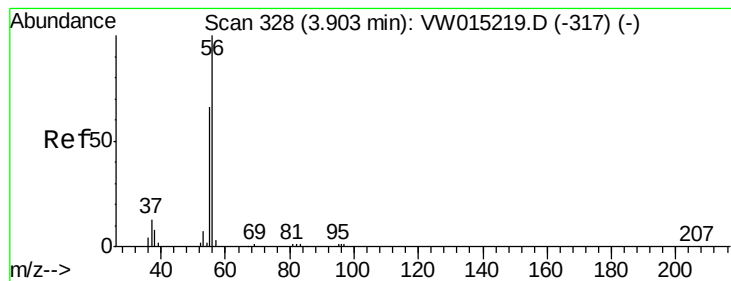


#12

1,1-Dichloroethene
Concen: 120.769 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	96	Resp	310572
Ion Ratio	100	Lower	Upper
61	150.1	127.0	190.4
98	63.5	51.0	76.4





#13

Acrolein

Concen: 347.195 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 62521

Ion Ratio Lower Upper

56 100

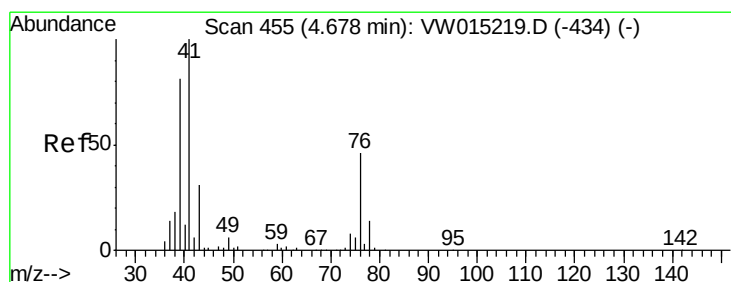
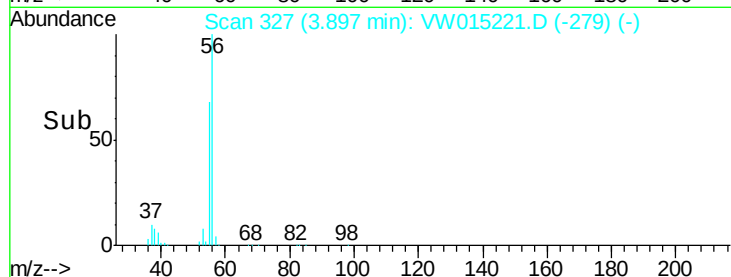
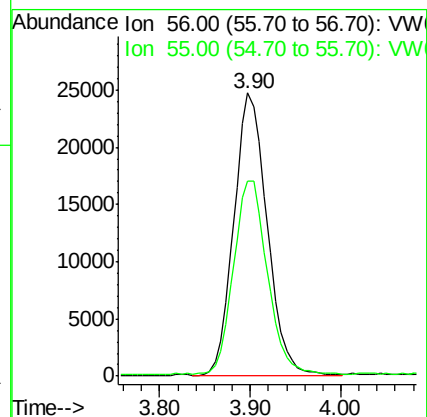
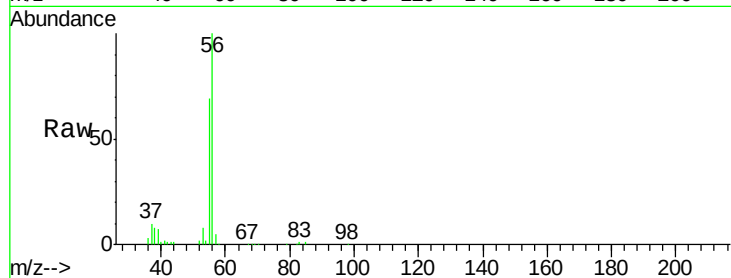
55 69.5 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 109.689 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

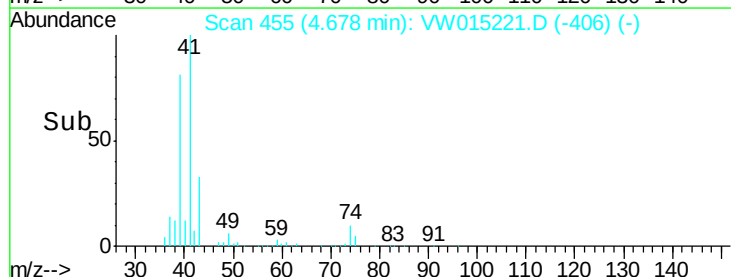
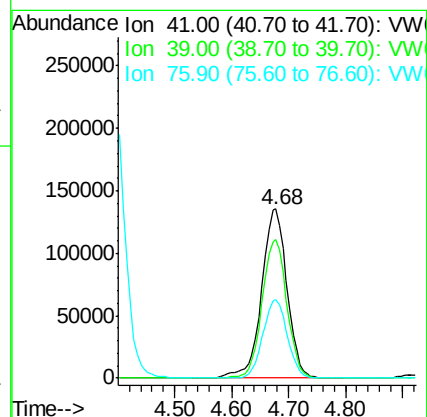
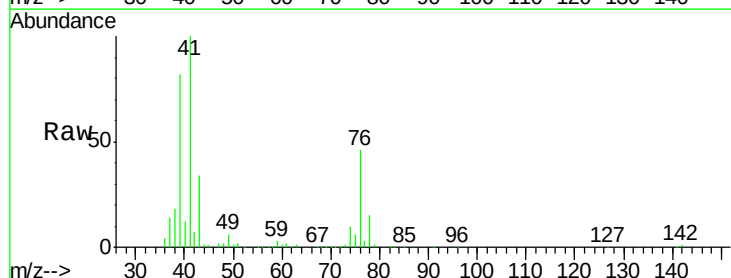
Tgt Ion: 41 Resp: 417284

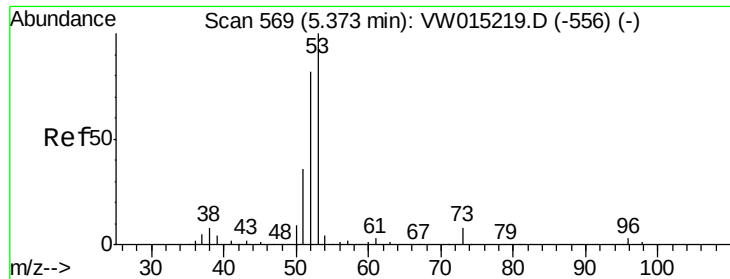
Ion Ratio Lower Upper

41 100

39 79.9 54.0 81.0

76 44.5 31.8 47.6





#15

Acrylonitrile

Concen: 535.055 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

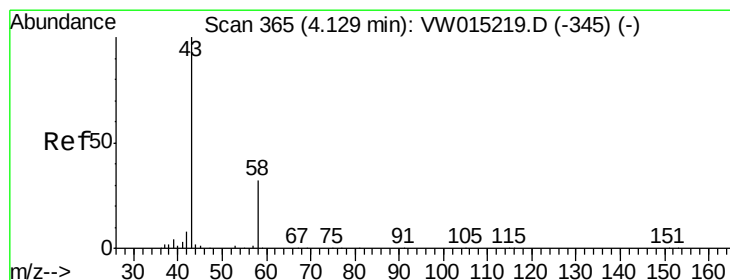
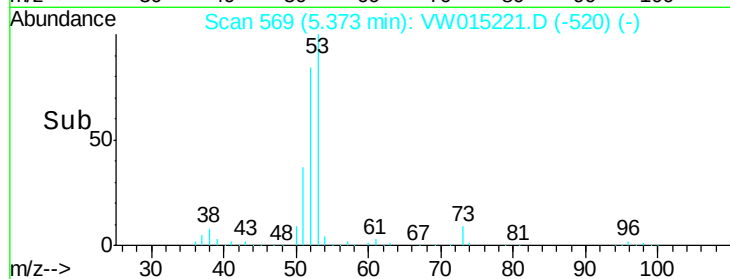
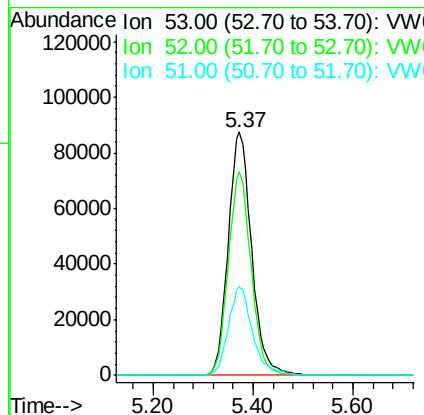
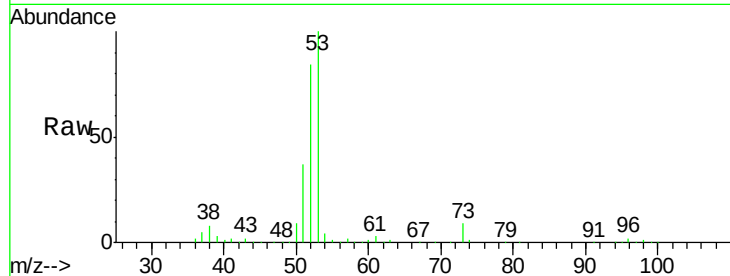
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	284443
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.2	97.8
51	37.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 583.287 ug/l

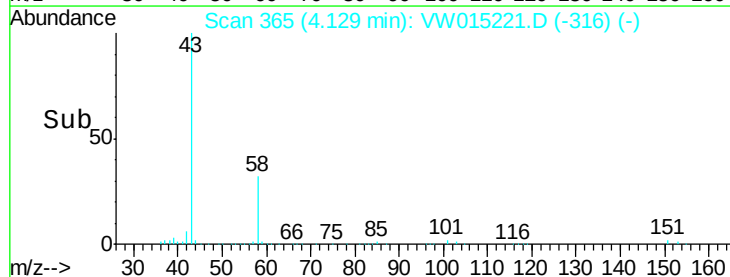
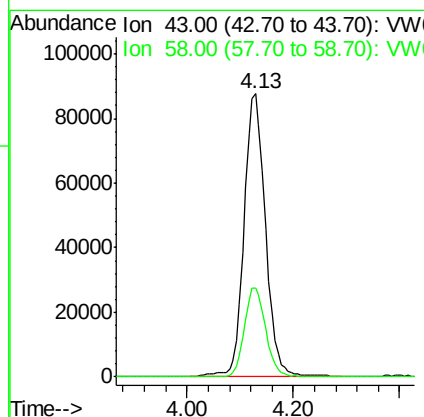
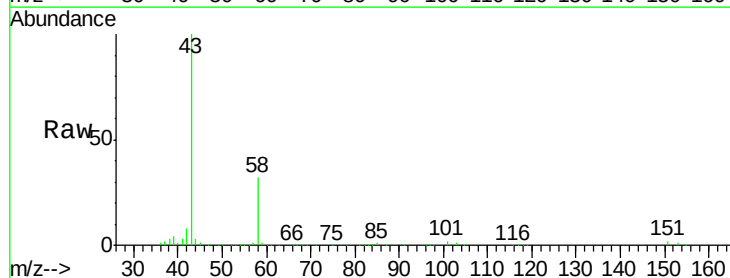
RT: 4.13 min Scan# 365

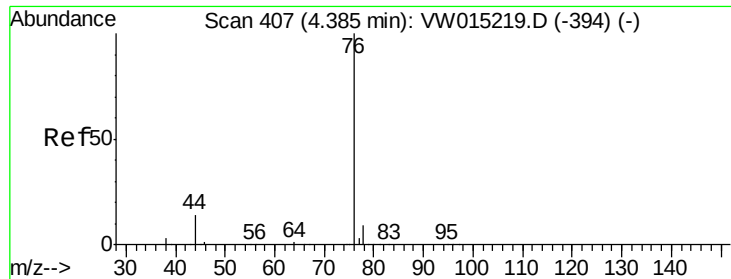
Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	43	Resp:	242405
Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.0	40.4





#17

Carbon Disulfide

Concen: 116.691 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 913347

Ion Ratio Lower Upper

76 100

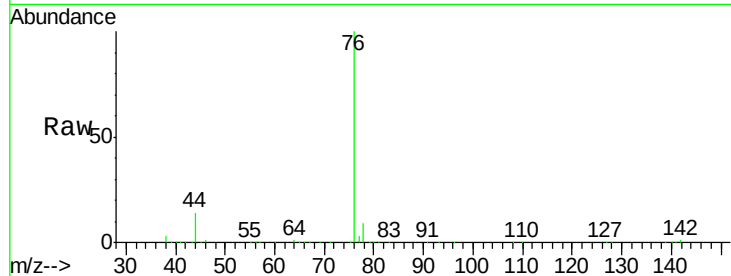
78 9.1 7.0 10.6

Manual Integrations

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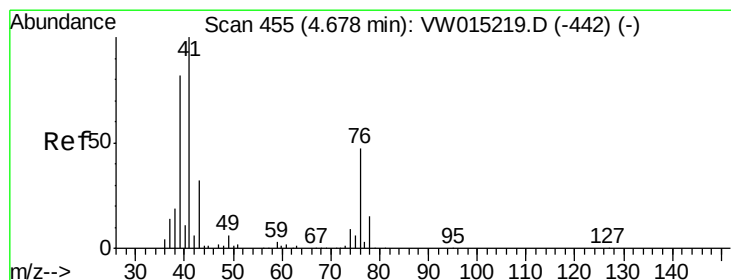
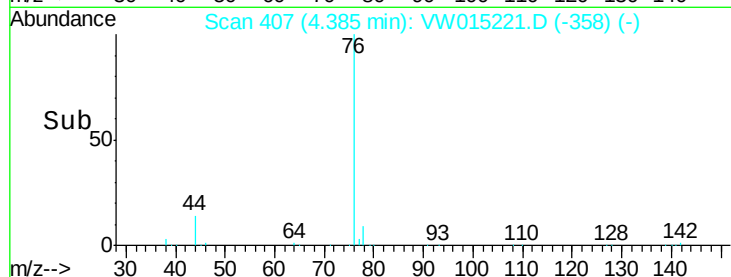
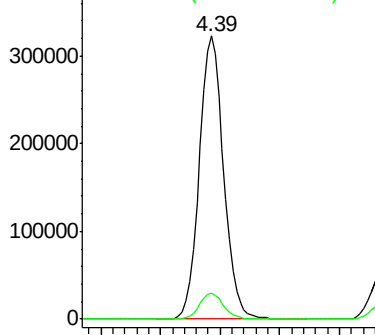
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 105.881 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015221.D

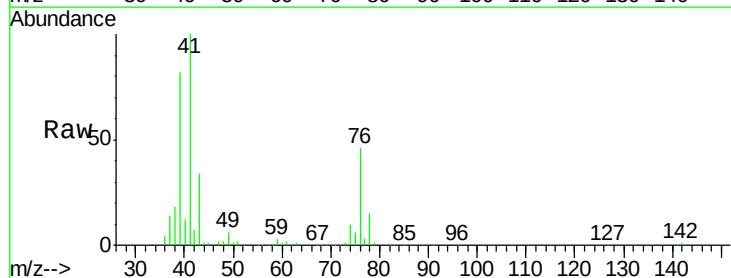
Acq: 20 Apr 2020 14:06

Tgt Ion: 43 Resp: 134556

Ion Ratio Lower Upper

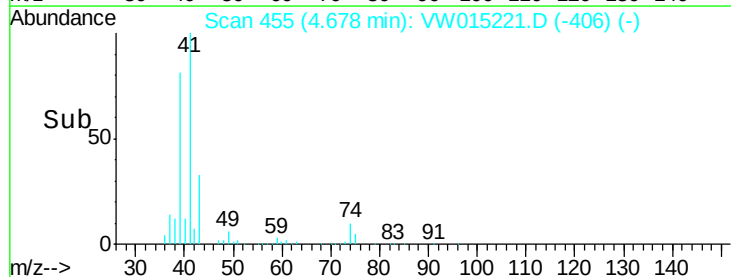
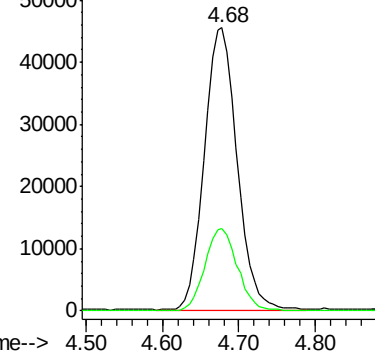
43 100

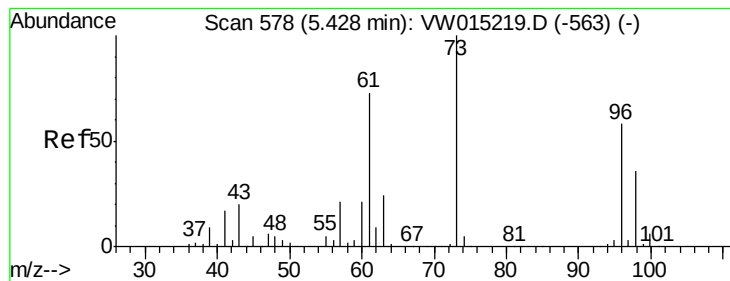
74 29.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

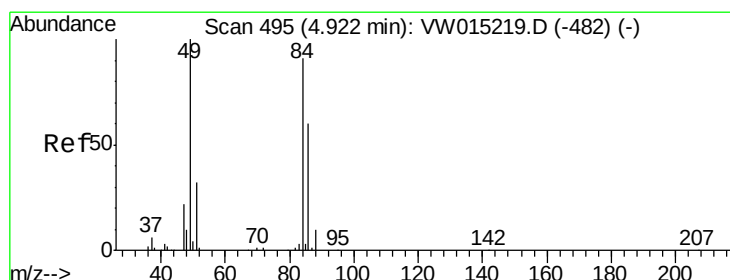
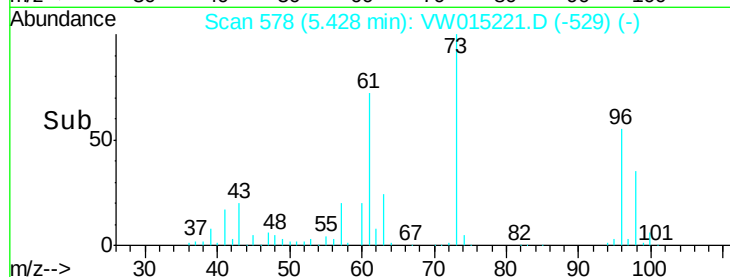
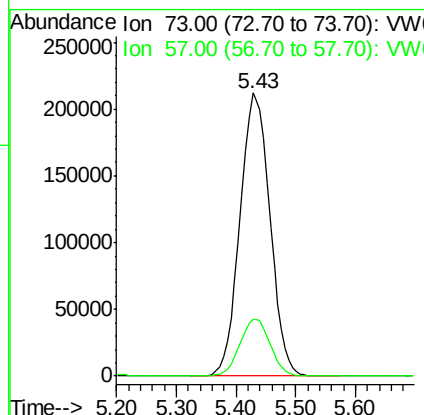
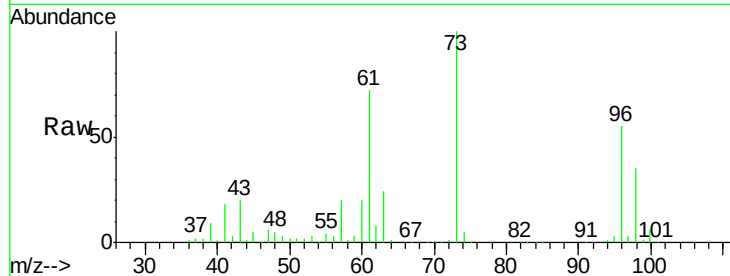
Methyl tert-butyl Ether
 Concen: 220.611 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.8	26.6

Manual Integrations
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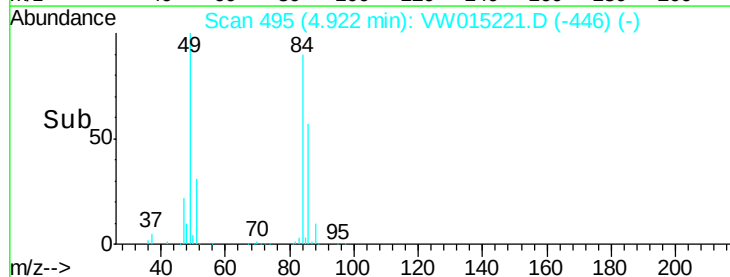
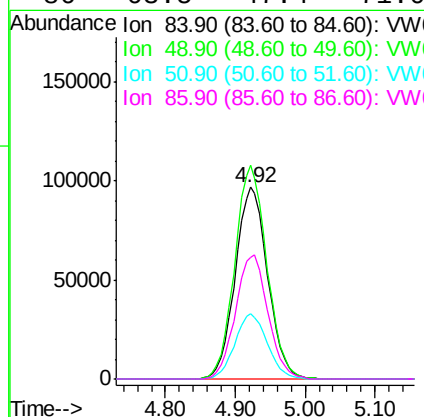
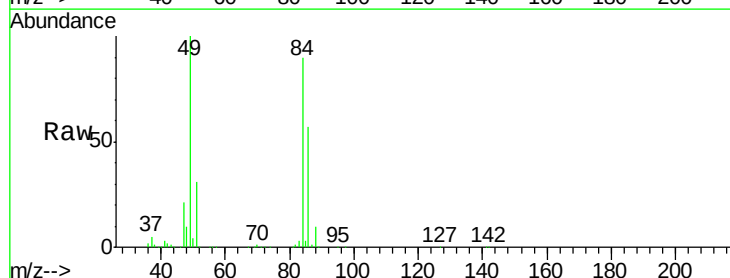
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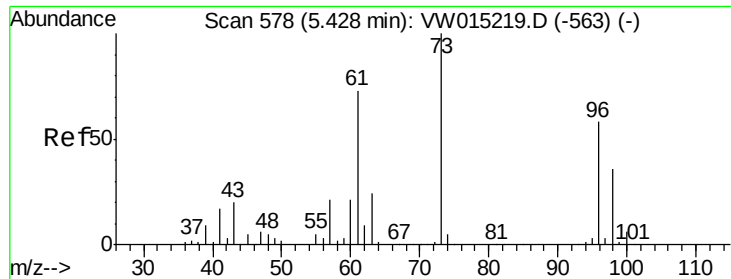


#20

Methylene Chloride
 Concen: 108.099 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.6	95.4	143.0
51	34.1	29.8	44.8
86	63.5	47.4	71.0





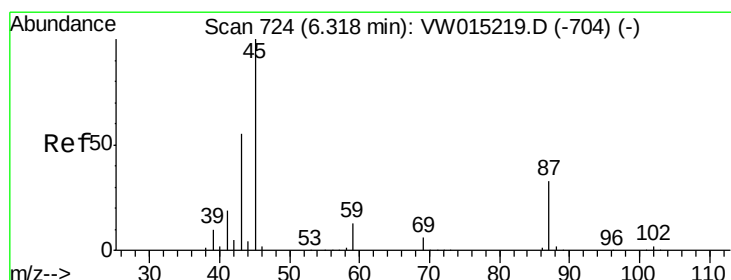
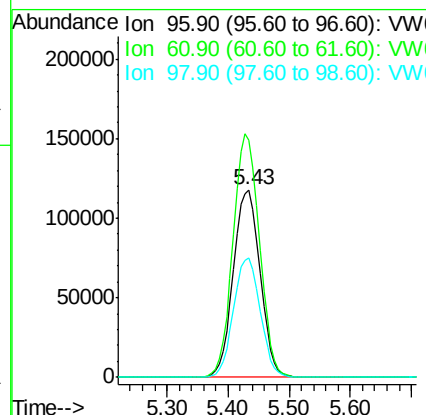
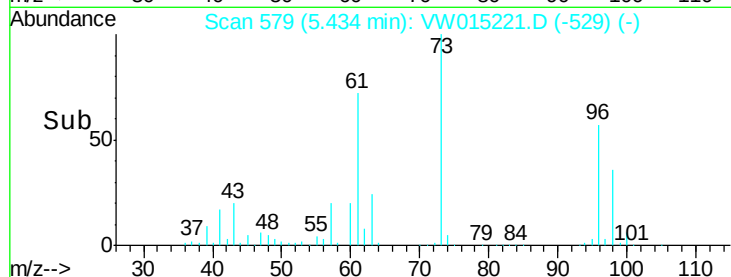
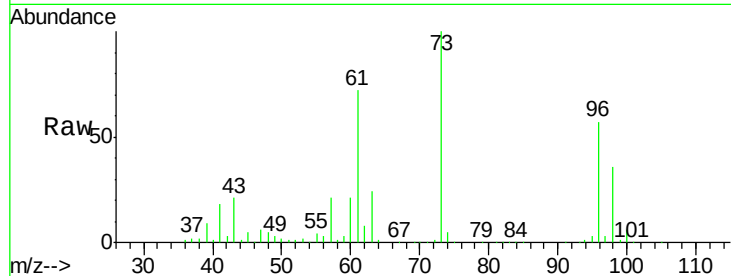
#21
trans-1,2-Dichloroethene
Concen: 131.505 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	107.8	161.6
98	63.6	50.2	75.2

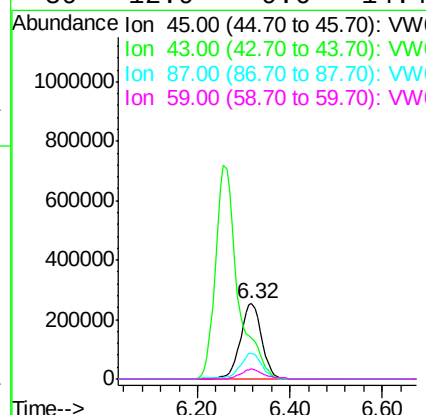
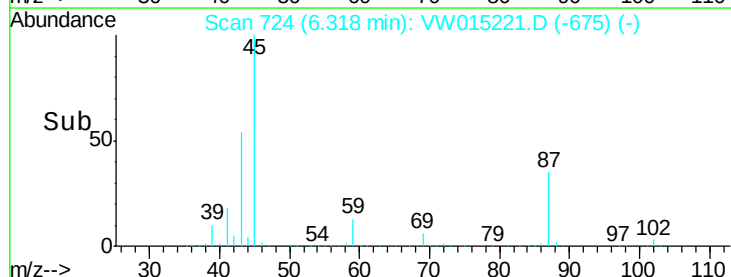
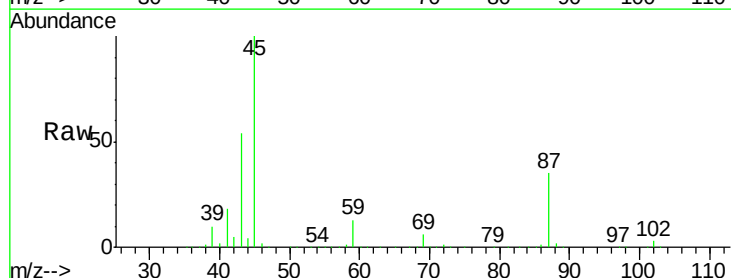
Manual Integrations
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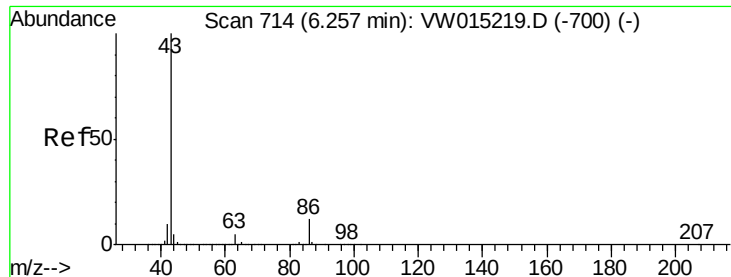
MMDadoda
4/21/2020 10:01:29 AM



#22
Diisopropyl ether
Concen: 105.430 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	41.8	62.6
87	34.5	23.2	34.8
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 541.874 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2414449

Ion Ratio Lower Upper

43 100

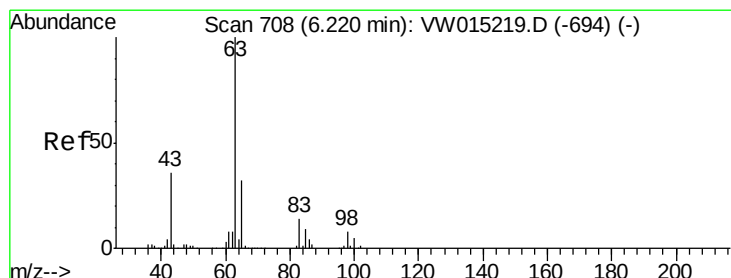
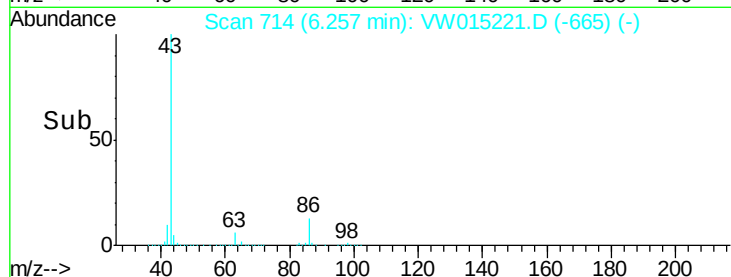
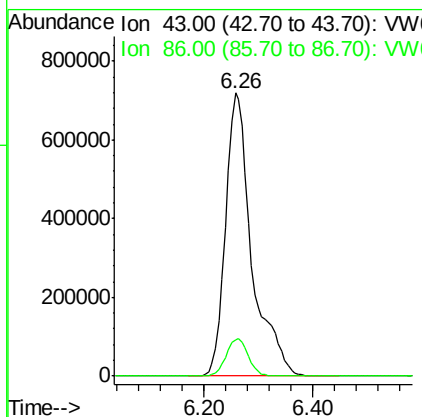
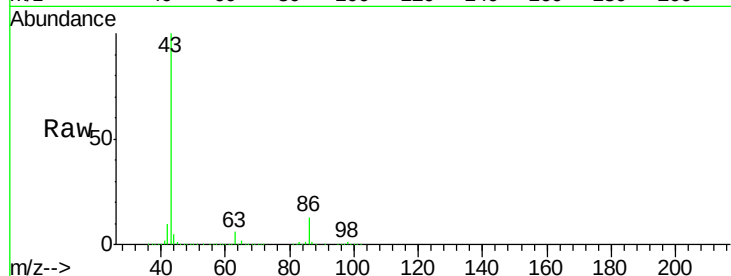
86 12.9 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 123.827 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

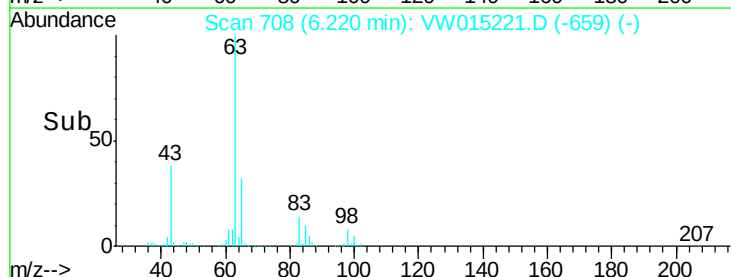
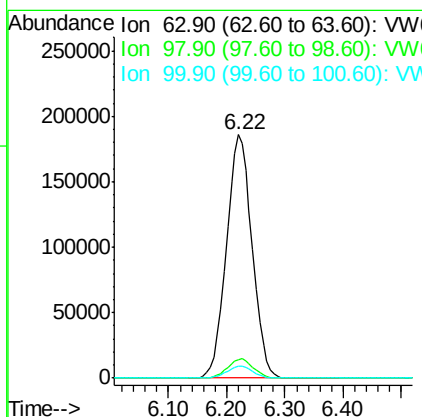
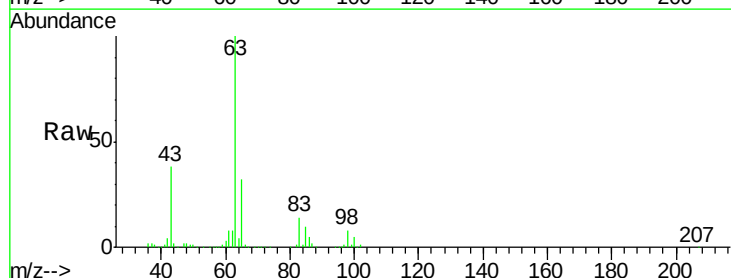
Tgt Ion: 63 Resp: 564841

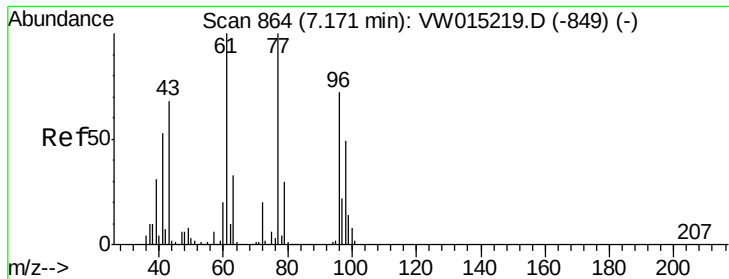
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 531.623 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 353550

Ion Ratio Lower Upper

43 100

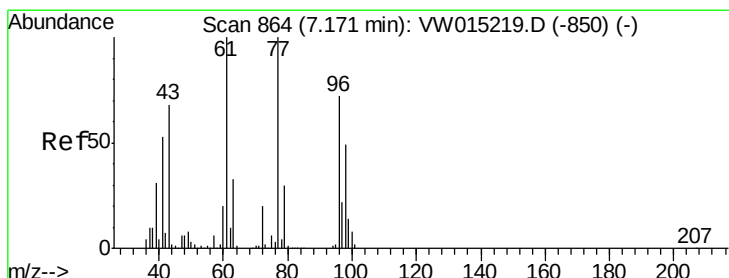
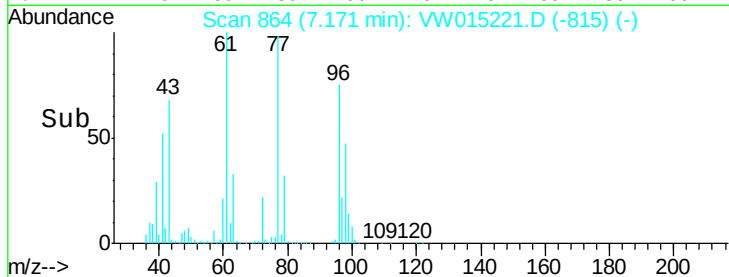
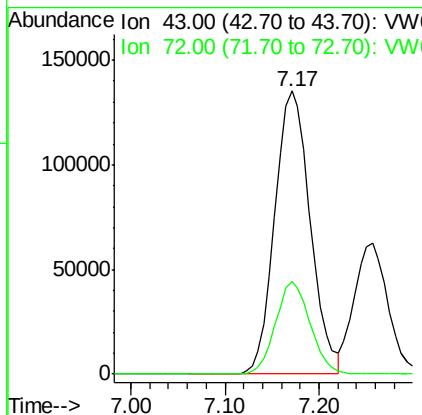
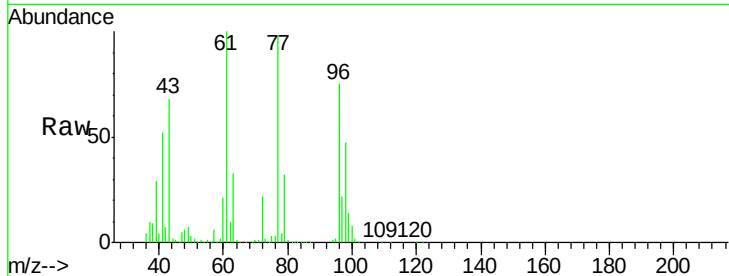
72 32.6 21.6 32.4#

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:29 AM



#26

2,2-Dichloropropane

Concen: 188.838 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015221.D

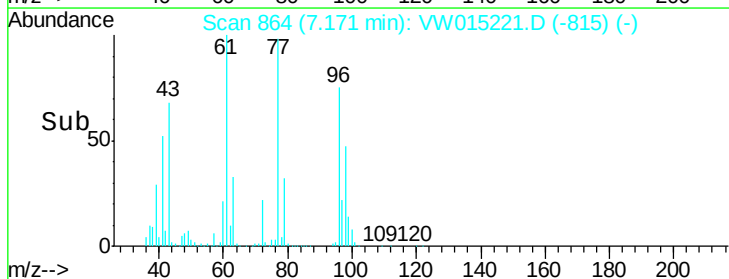
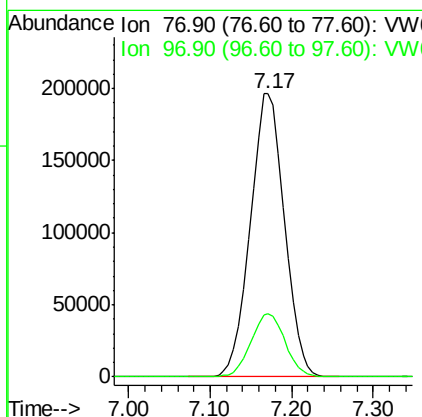
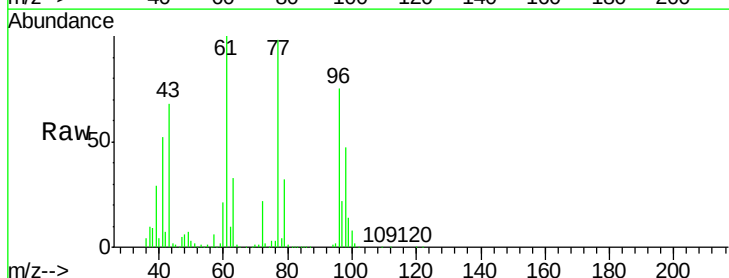
Acq: 20 Apr 2020 14:06

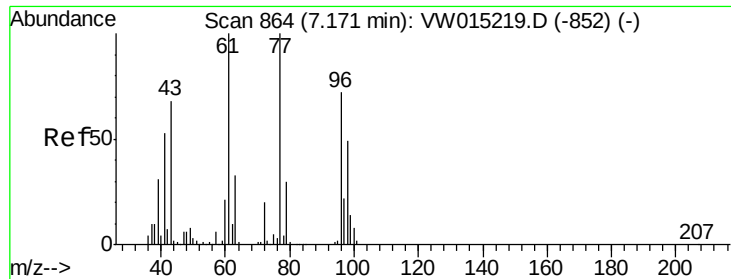
Tgt Ion: 77 Resp: 573277

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5





#27

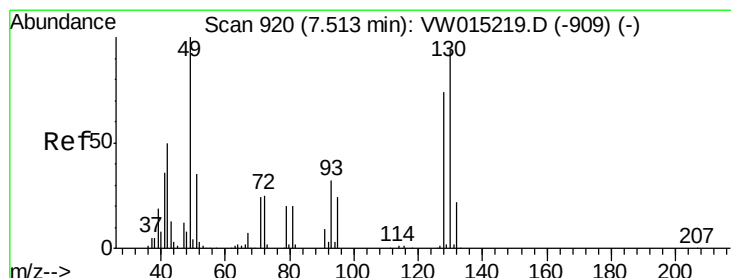
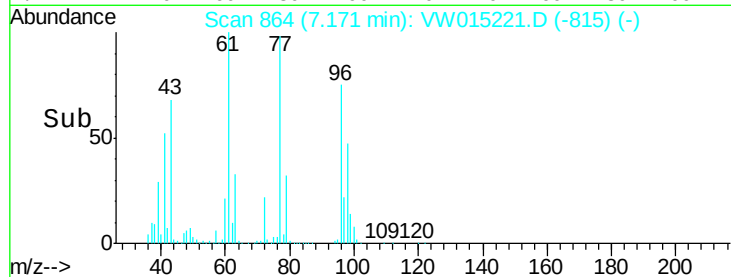
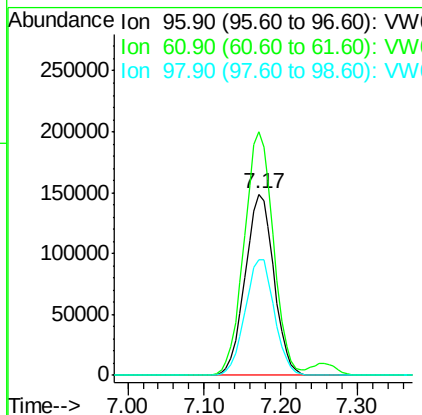
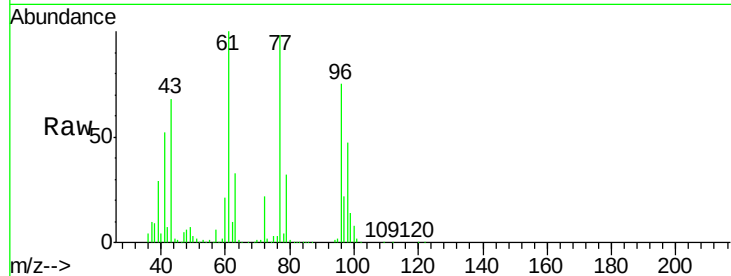
cis-1,2-Dichloroethene
Concen: 133.223 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	389681		
61	136.3		0.0	275.0
98	65.2		0.0	130.8

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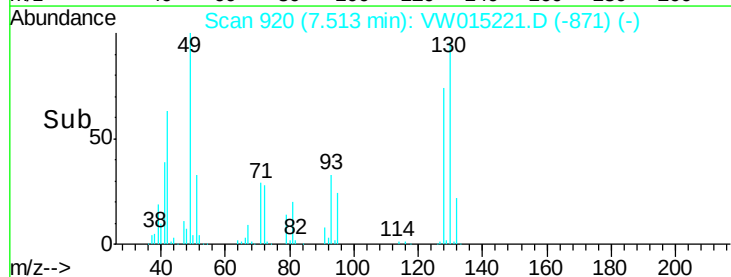
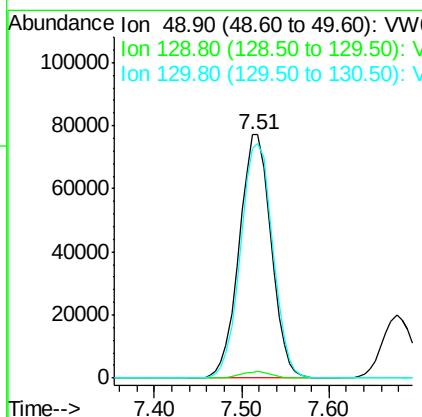
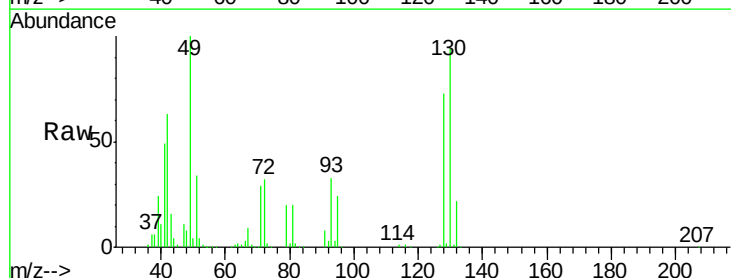
MMDadoda
4/21/2020 10:01:29 AM

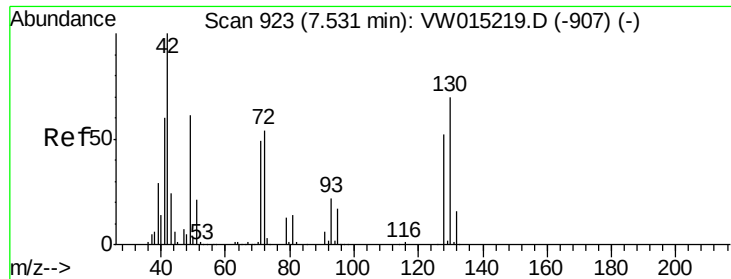


#28

Bromochloromethane
Concen: 102.946 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	196260		
129	2.5		0.0	4.6
130	97.5		60.9	91.3#





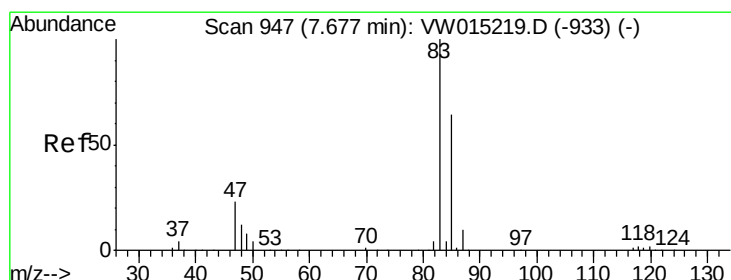
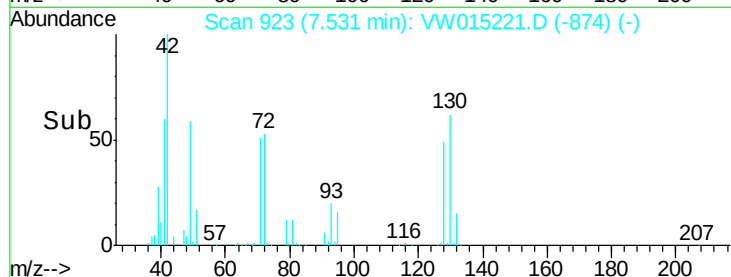
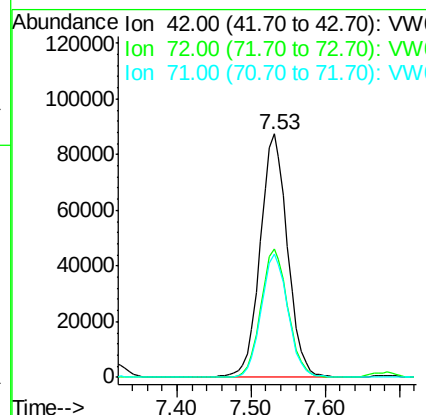
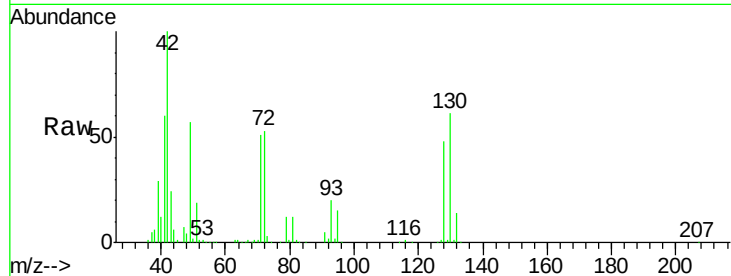
#29
Tetrahydrofuran
Concen: 514.205 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	36.2	54.2
71	49.8	34.2	51.4

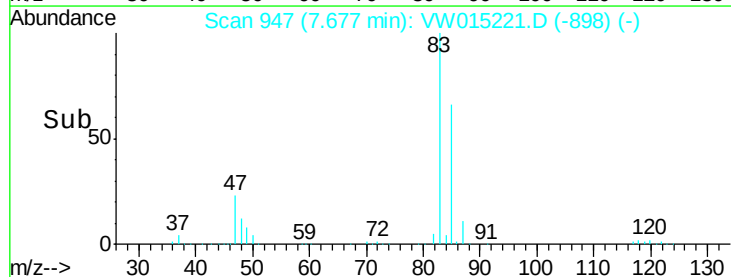
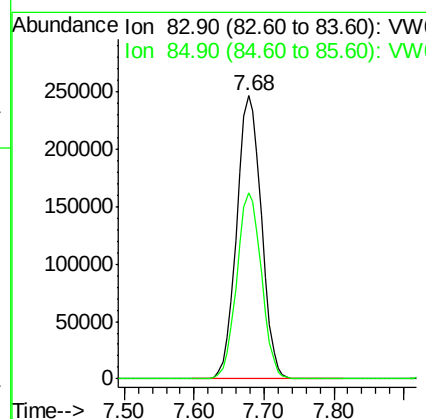
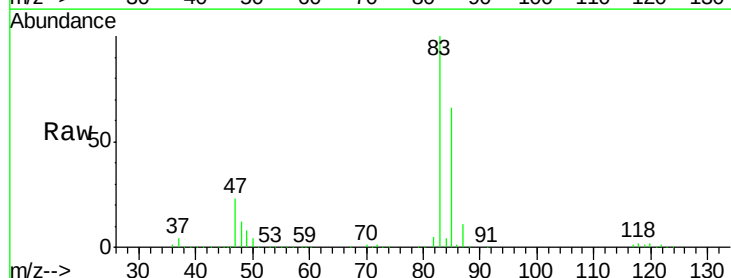
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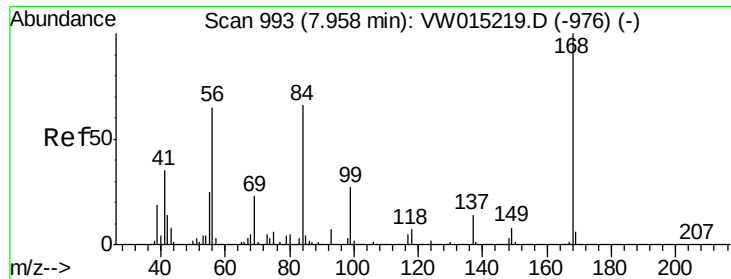
MMDadoda
4/21/2020 10:01:29 AM



#30
Chloroform
Concen: 135.383 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3





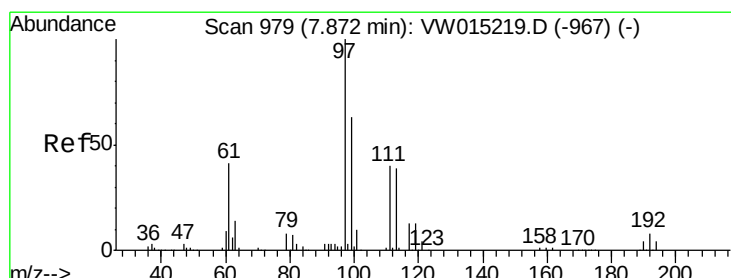
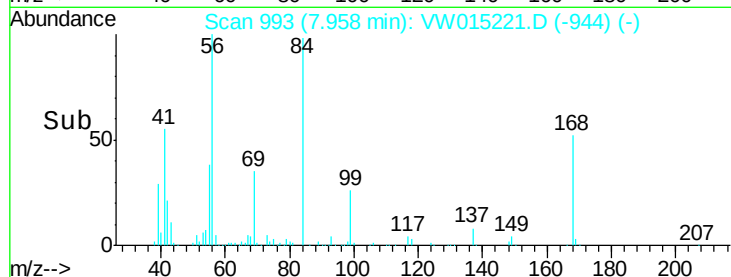
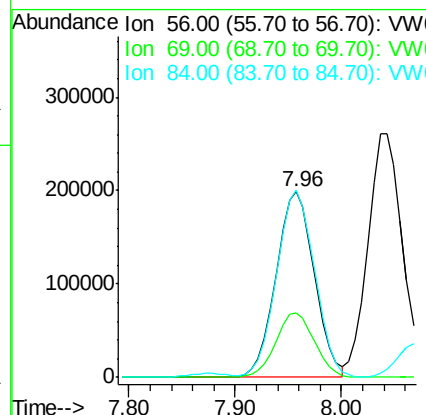
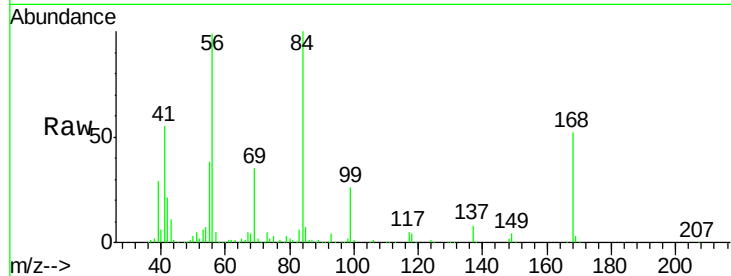
#31
Cyclohexane
Concen: 101.661 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.1	40.7
84	99.5	71.9	107.9

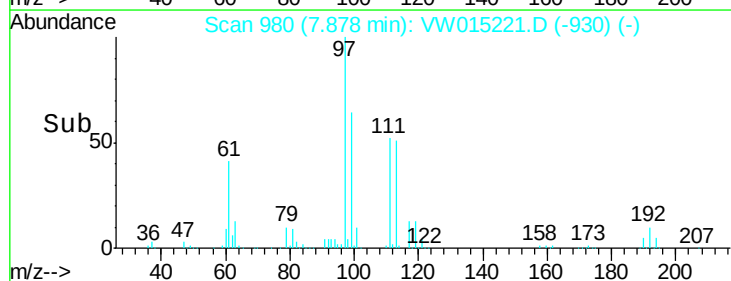
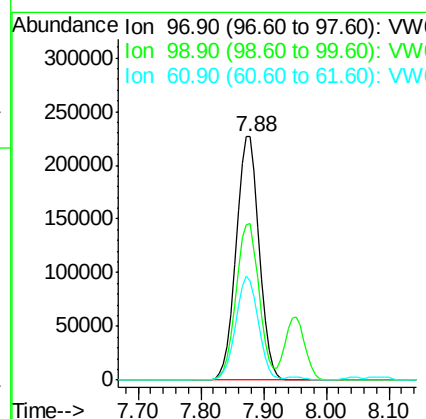
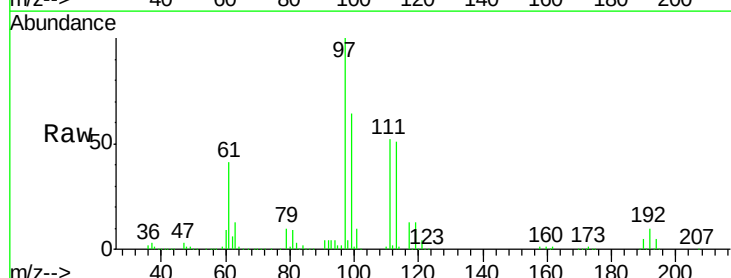
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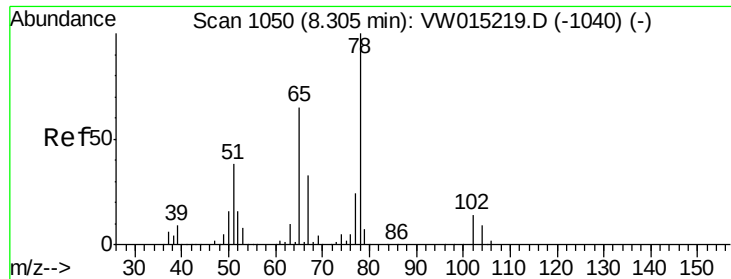
MMDadoda
4/21/2020 10:01:29 AM



#32
1,1,1-Trichloroethane
Concen: 152.883 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	41.9	34.2	51.2





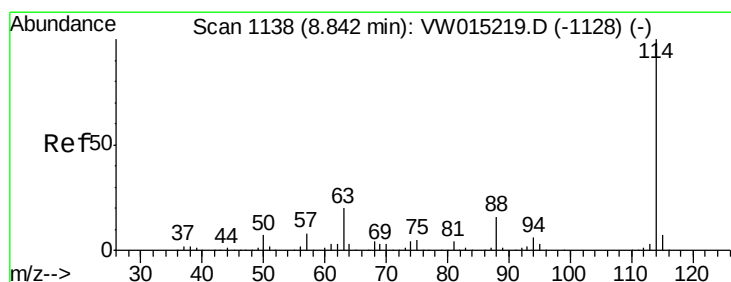
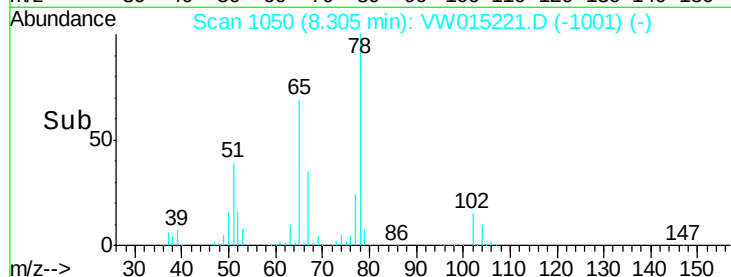
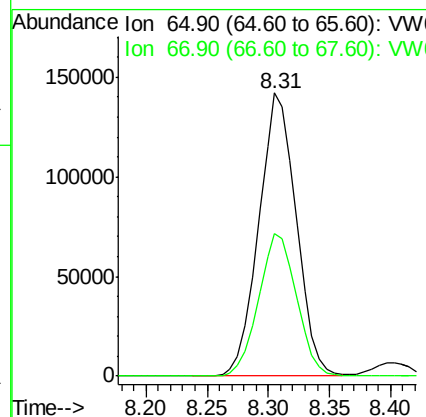
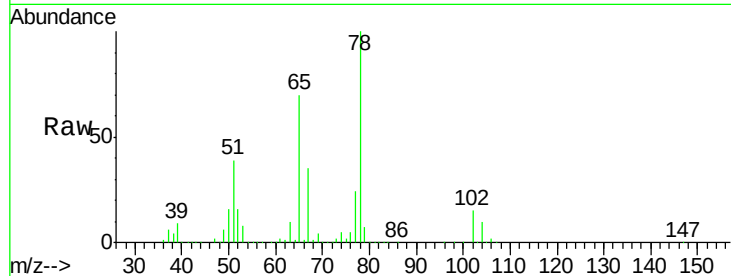
#33
 1,2-Dichloroethane-d4
 Concen: 129.487 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	302131		
67	51.2	0.0	107.0	

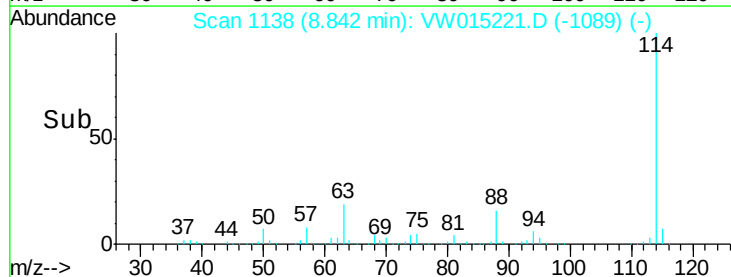
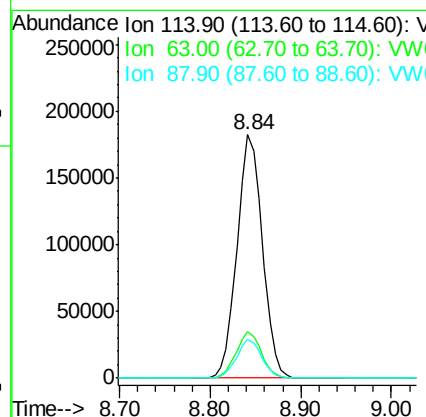
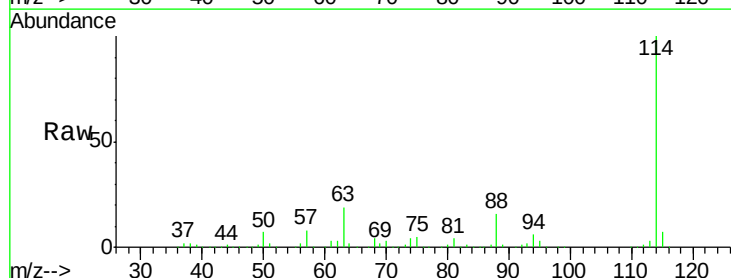
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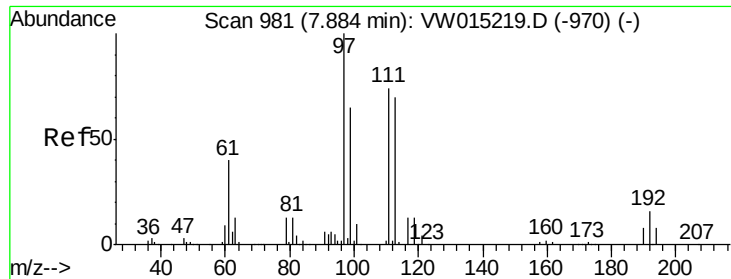
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 4/21/2020 10:01:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354427		
63	19.0	0.0	39.8	
88	15.9	0.0	30.2	





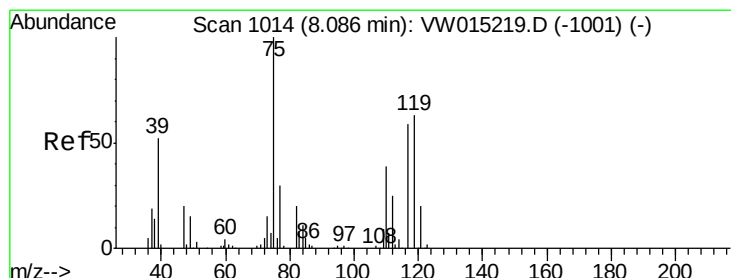
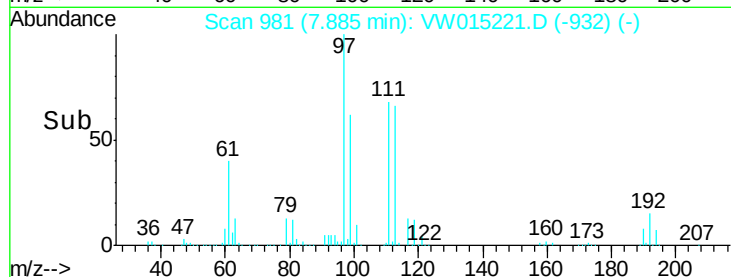
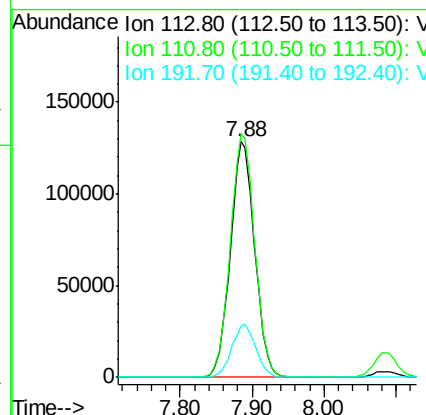
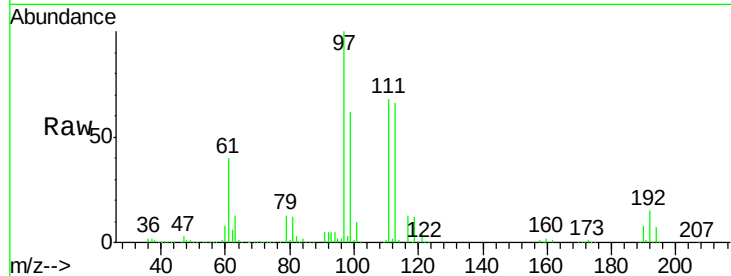
#35
 Dibromofluoromethane
 Concen: 153.682 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	301218		
111	104.1	83.0	124.4	
192	22.4	15.1	22.7	

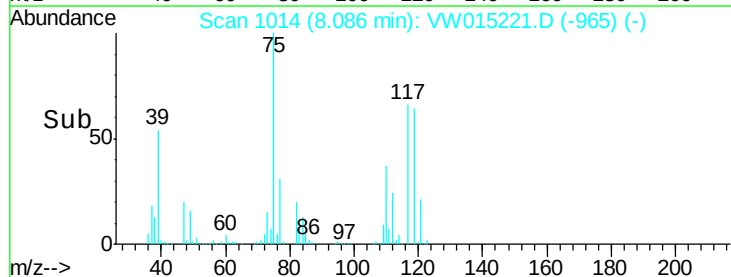
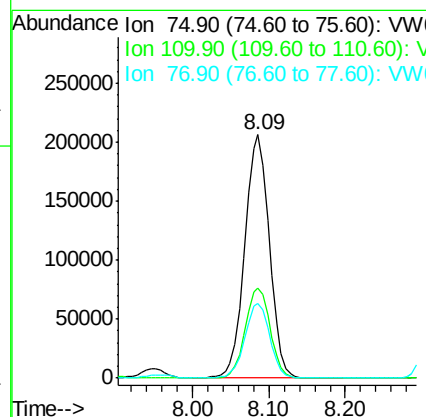
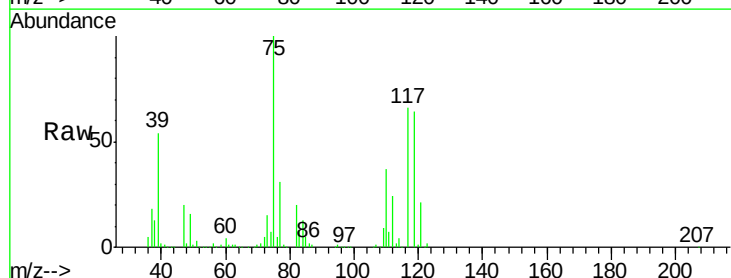
Manual Integrations
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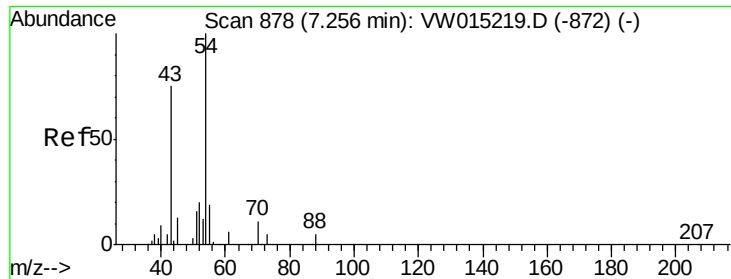
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#36
 1,1-Dichloropropene
 Concen: 145.027 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	459197		
110	37.4	18.2	54.6	
77	31.2	24.5	36.7	





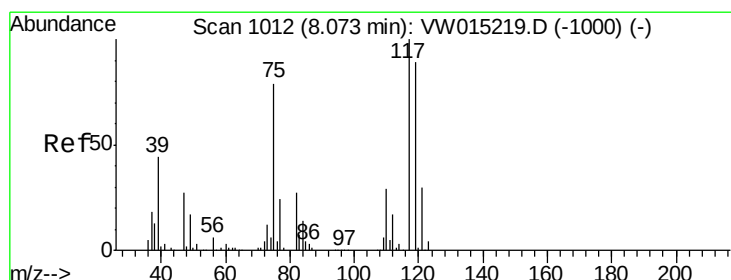
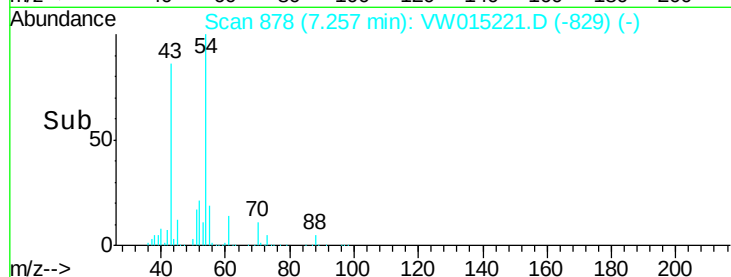
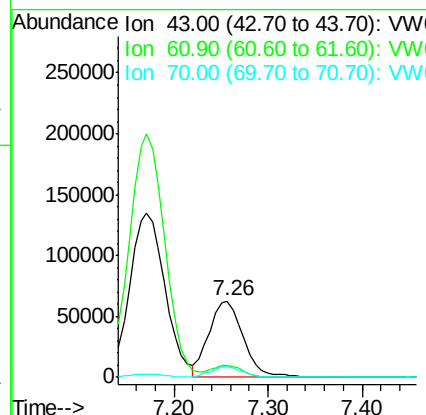
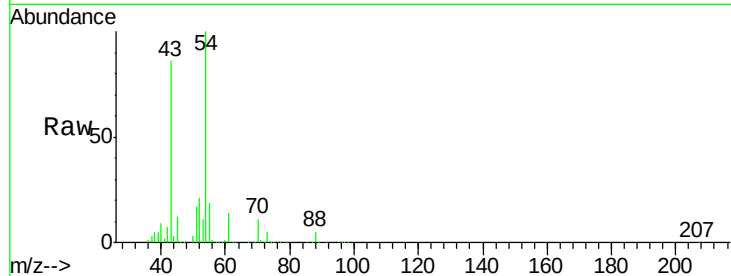
#37
Ethyl Acetate
Concen: 119.369 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.9	17.9
70	13.2	8.8	13.2

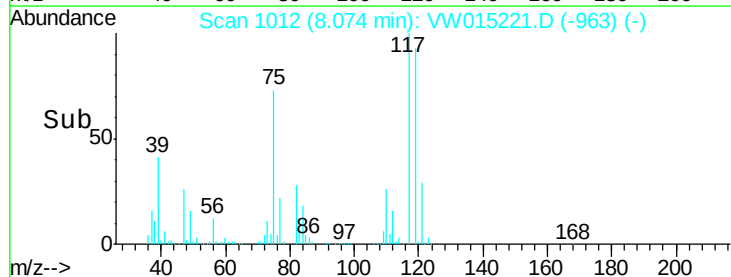
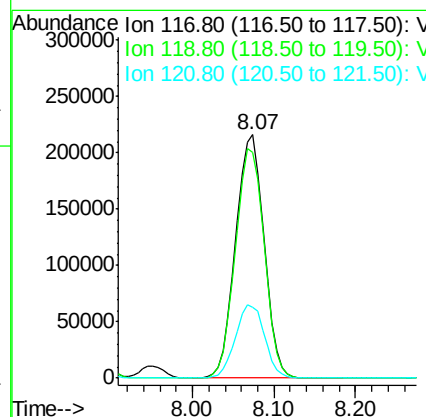
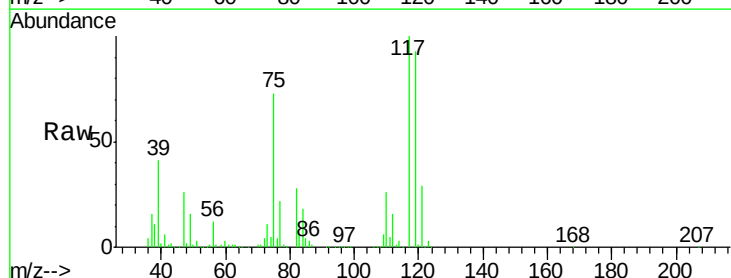
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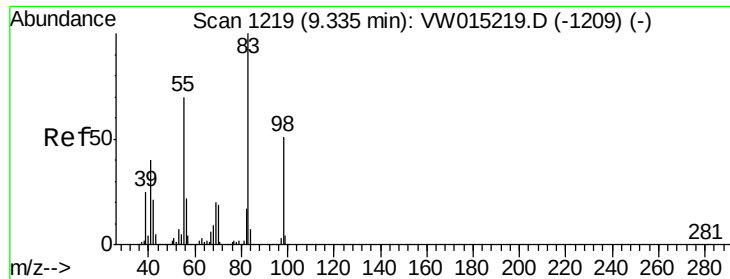
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#38
Carbon Tetrachloride
Concen: 178.476 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	72.3	108.5
121	29.1	23.7	35.5





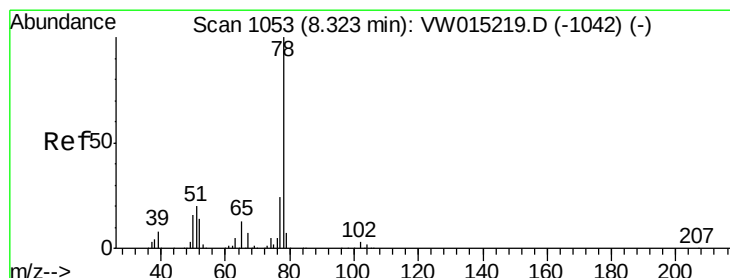
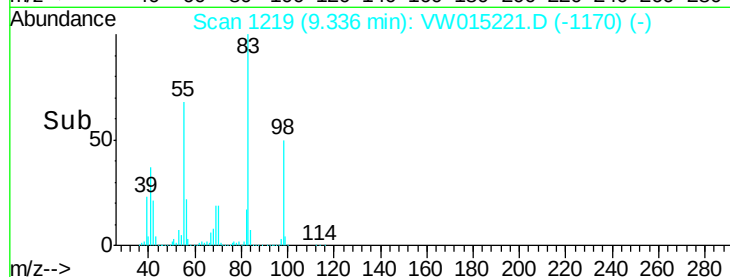
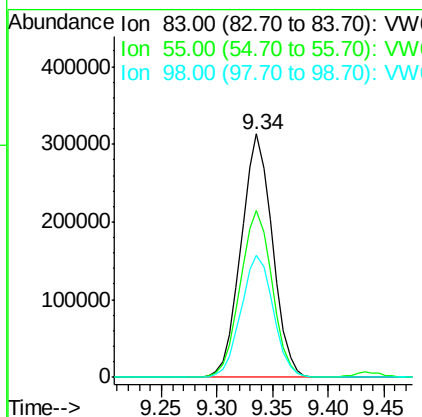
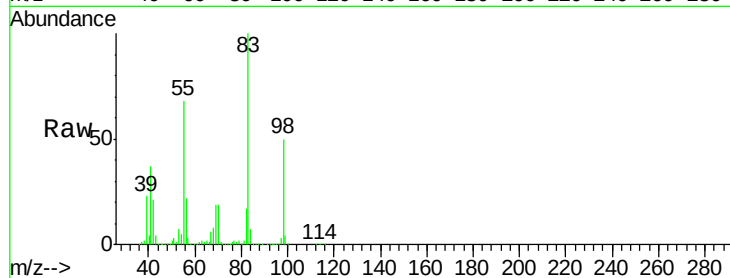
#39
Methylvlcyclohexane
Concen: 143.892 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	58.1	87.1
98	50.2	40.2	60.4

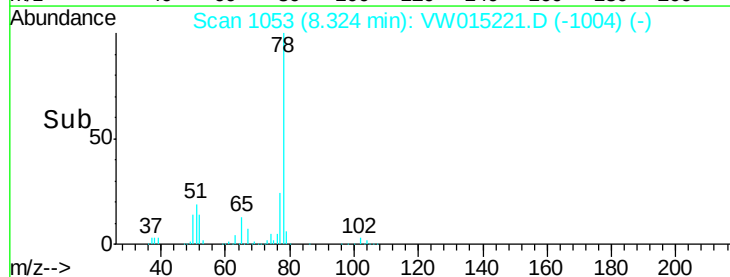
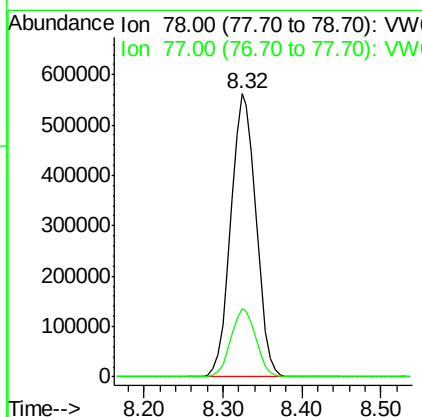
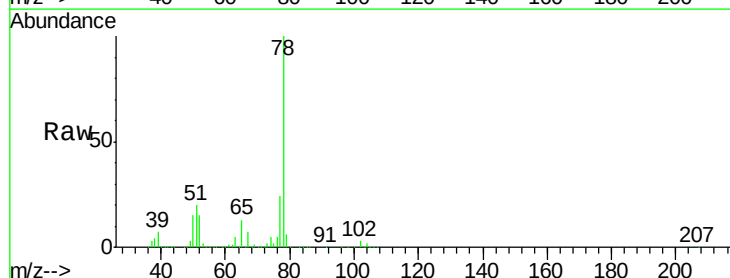
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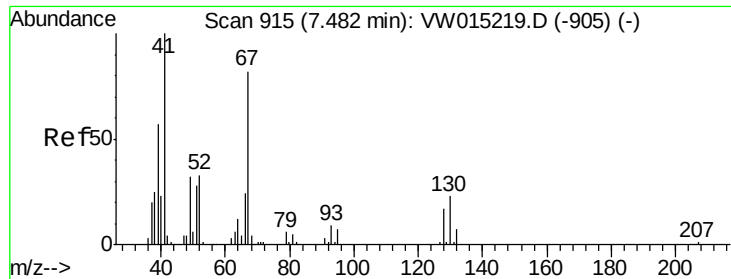
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#40
Benzene
Concen: 138.711 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2





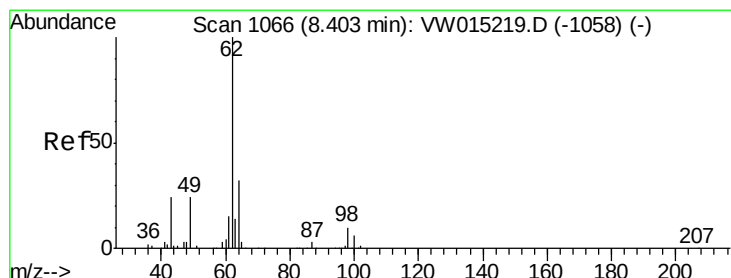
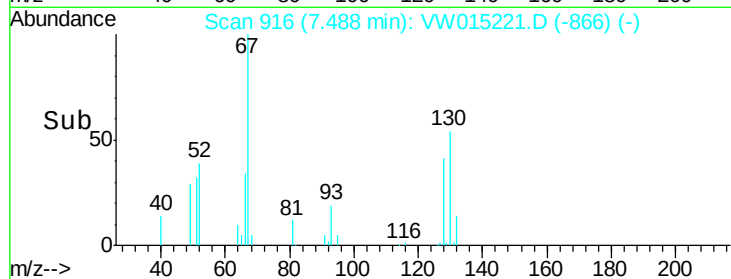
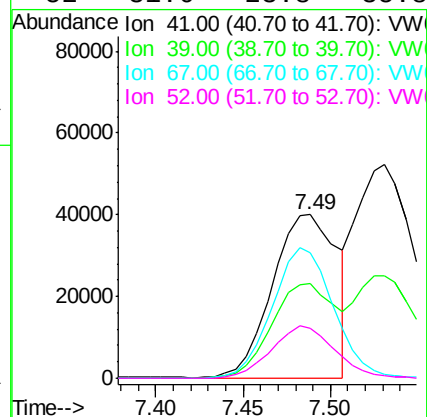
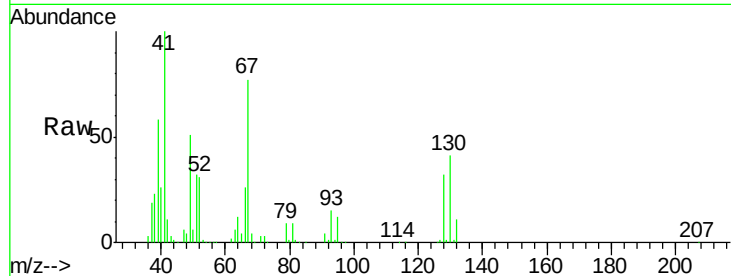
#41
Methacrylonitrile
Concen: 131.749 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.9	62.9
67	77.1	60.6	91.0
52	31.6	23.8	35.8

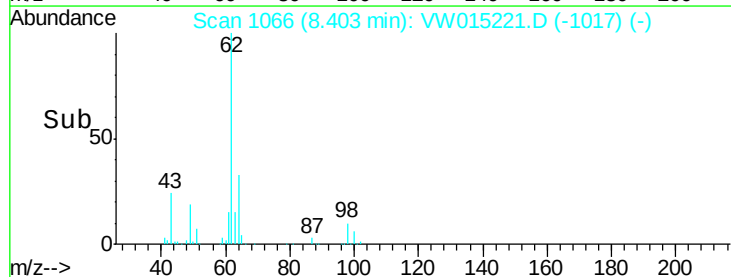
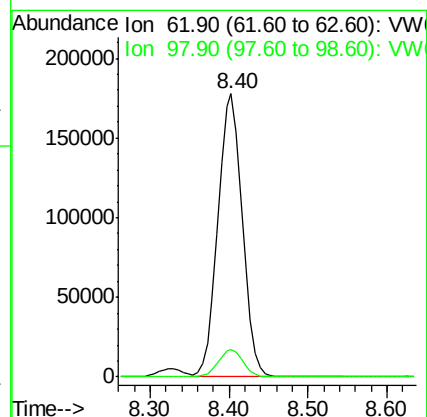
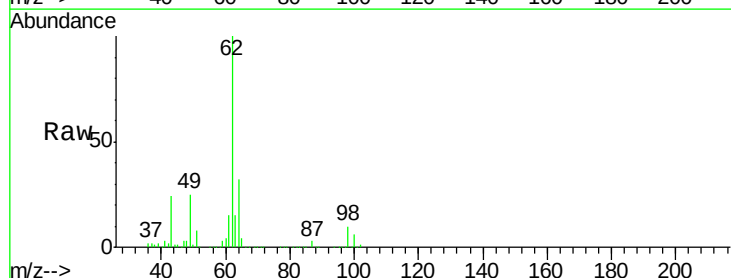
Manual Integrations
APPROVED

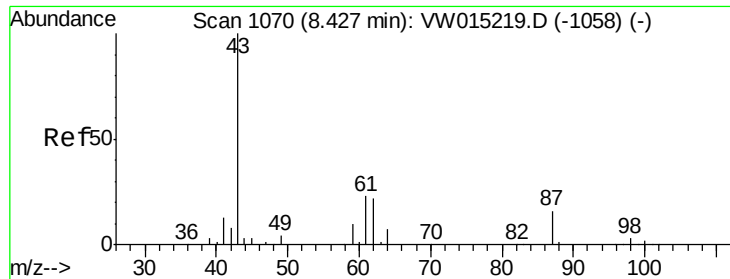
MMDadoda
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#42
1,2-Dichloroethane
Concen: 167.575 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 126.553 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

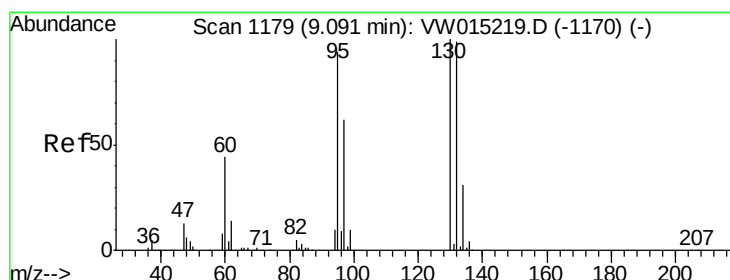
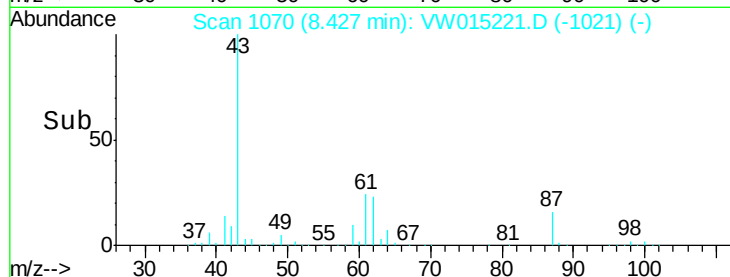
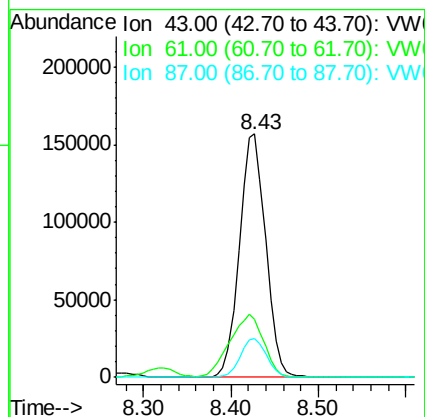
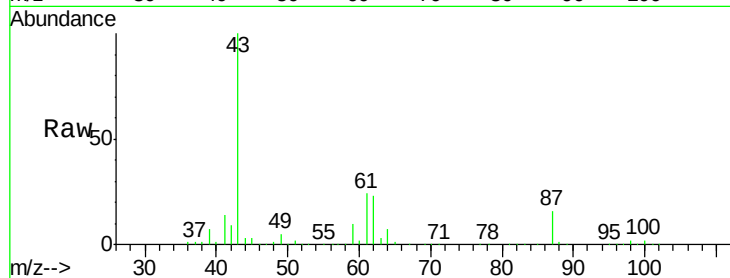
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	325907
Ion	Ratio	Lower	Upper
43	100		
61	33.5	24.8	37.2
87	16.0	11.4	17.2

Manual Integrations
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4/21/2020 10:01:29 AM



#44

Trichloroethene

Concen: 159.530 ug/l

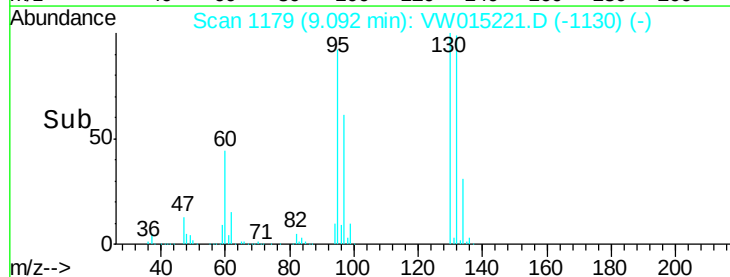
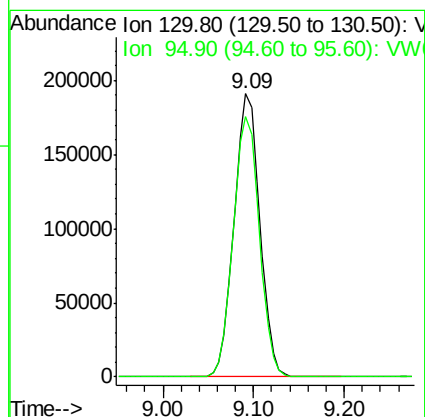
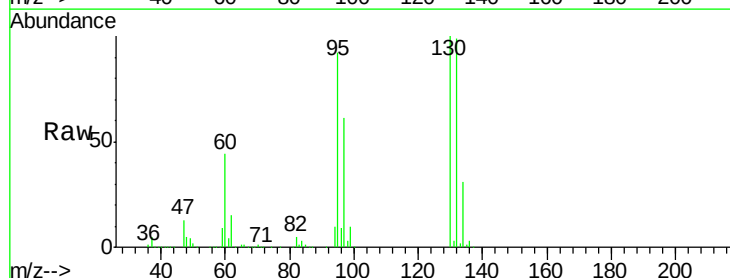
RT: 9.09 min Scan# 1179

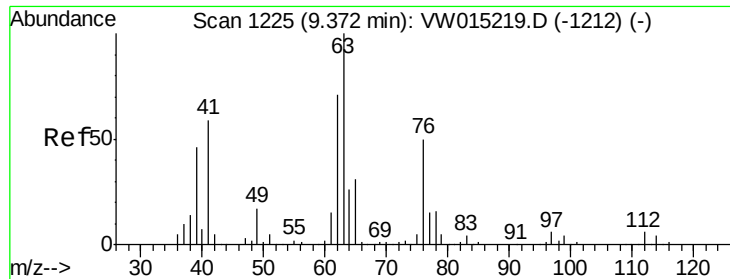
Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	130	Resp:	376873
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	196.4





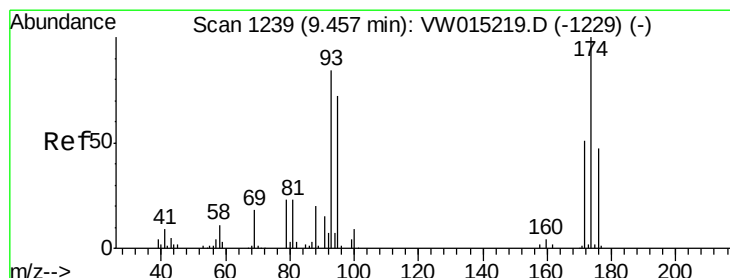
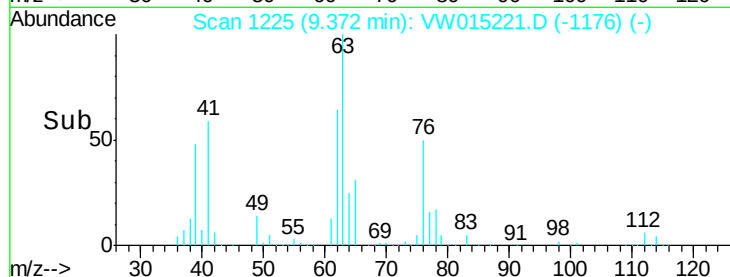
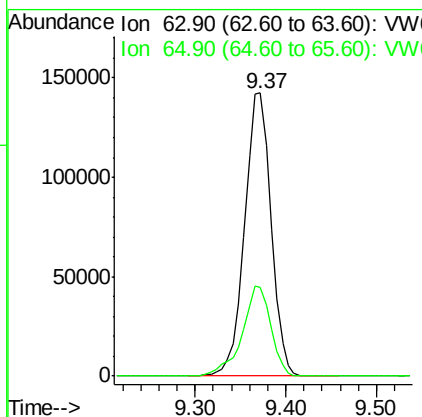
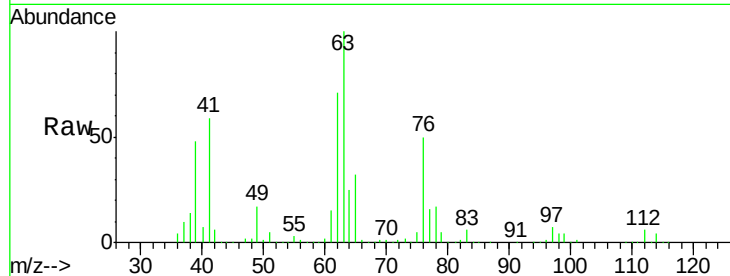
#45
 1,2-Dichloropropane
 Concen: 130.049 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.5	38.3

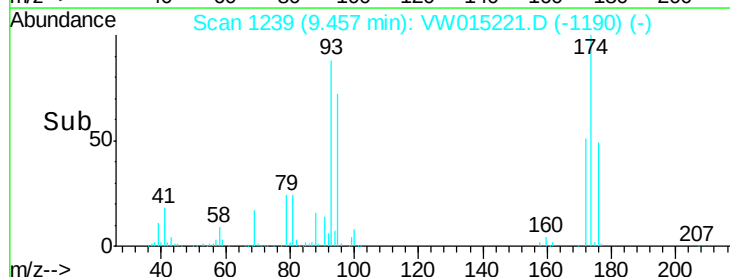
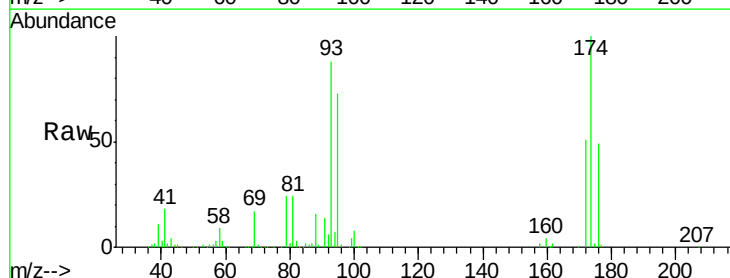
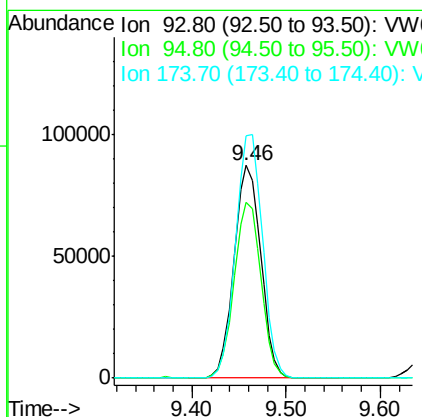
Manual Integrations
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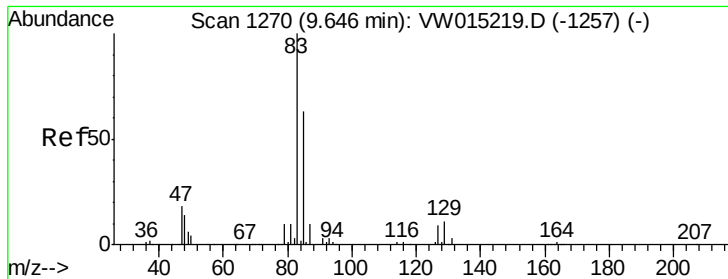
MMDadoda
 4/21/2020 10:01:29 AM



#46
 Dibromomethane
 Concen: 156.893 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.5	101.3
174	115.2	74.1	111.1#





#47

Bromodichloromethane

Concen: 159.763 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

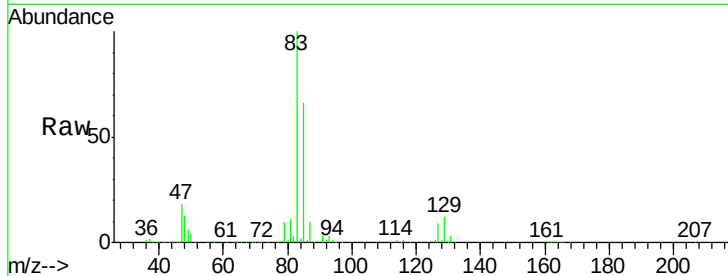
ClientSampleId :

VSTDIC150

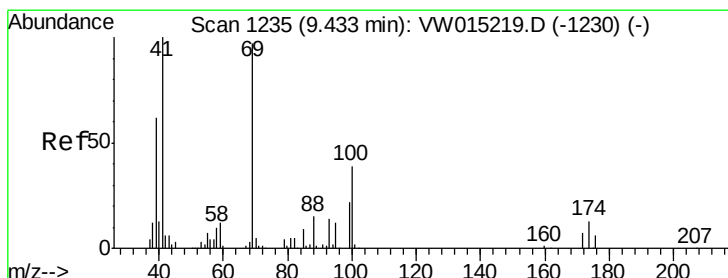
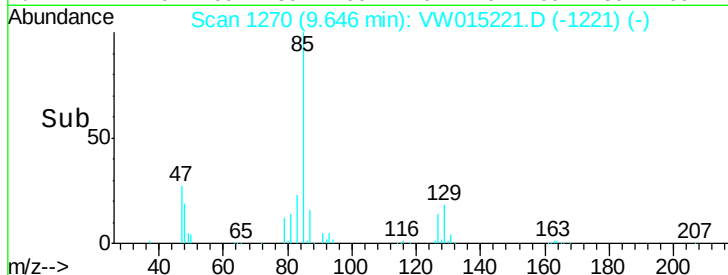
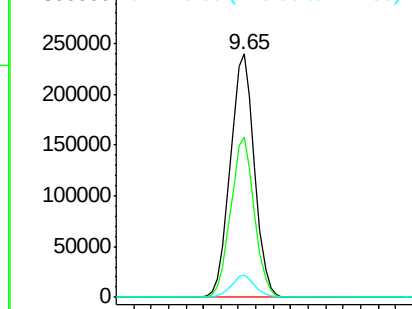
Tot Ion:	83	Resp:	457928
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	76.0
127	8.9	6.7	10.1

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 127.254 ug/l

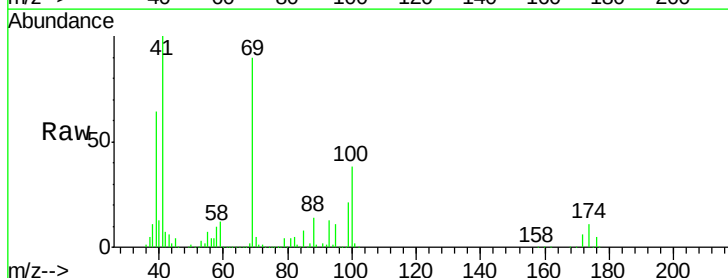
RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

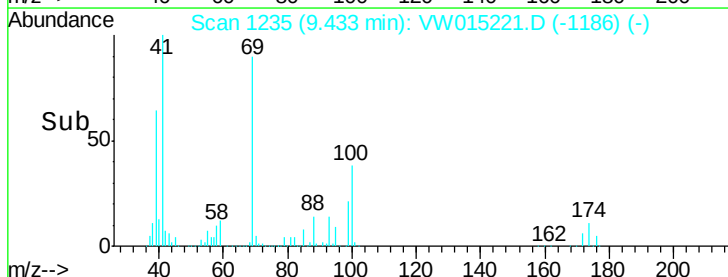
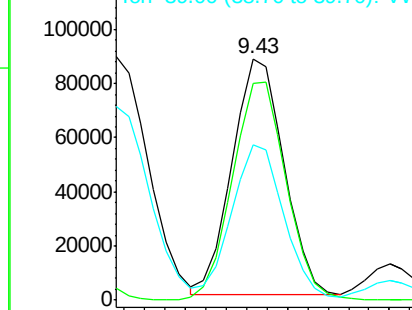
Lab File: VW015221.D

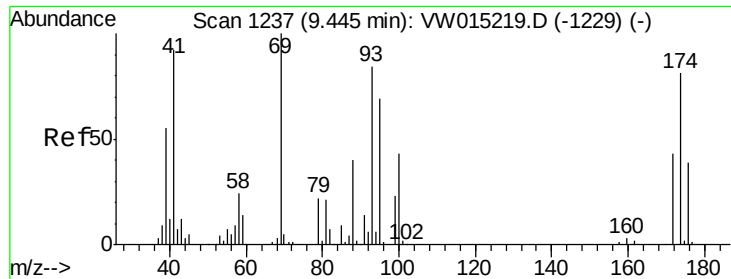
Acq: 20 Apr 2020 14:06

Tgt Ion:	41	Resp:	153281
Ion	Ratio	Lower	Upper
41	100		
69	96.2	70.6	105.8
39	64.0	42.6	64.0#



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





#49

1,4-Dioxane

Concen: 2545.499 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

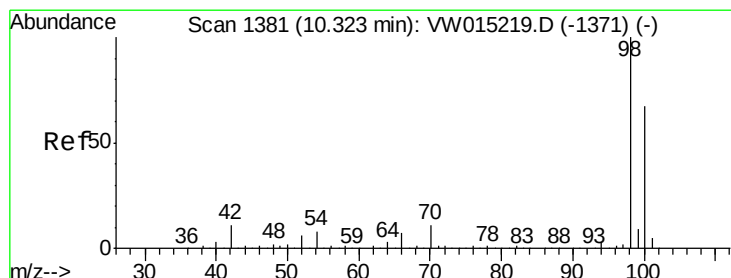
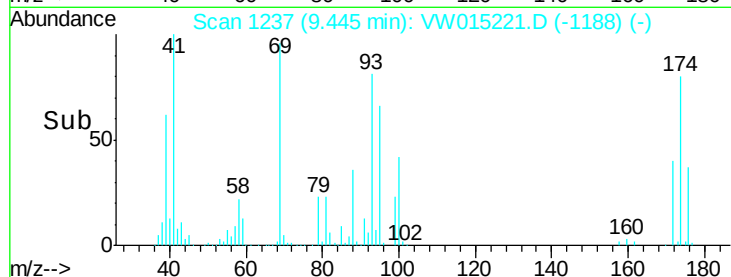
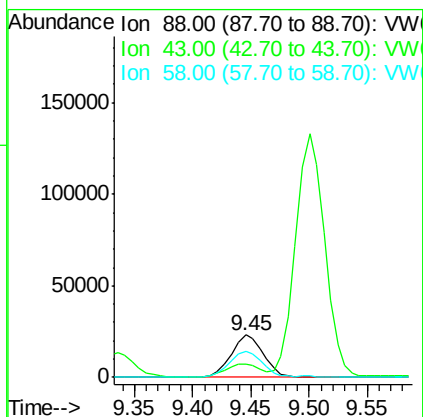
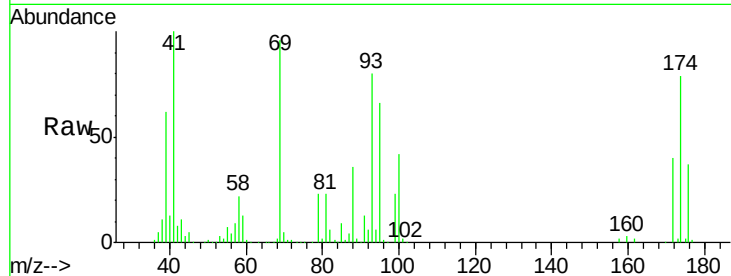
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	44645
Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.5	35.3
58	63.3	55.4	83.2

Manual Integrations
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#50

Toluene-d8

Concen: 148.949 ug/l

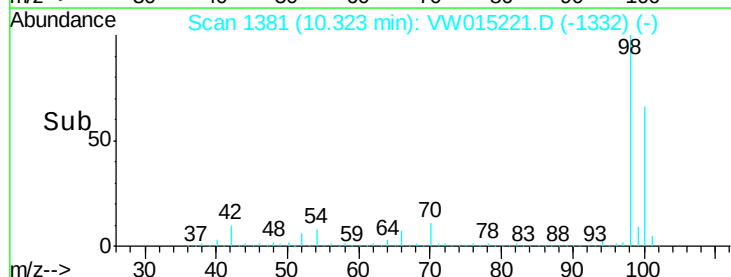
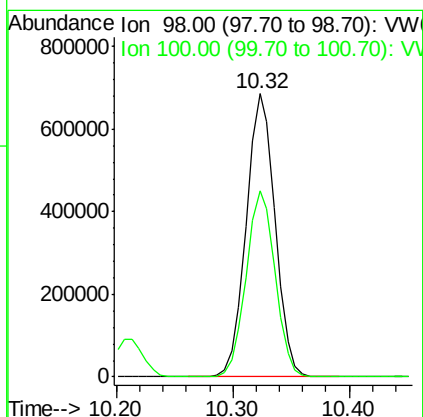
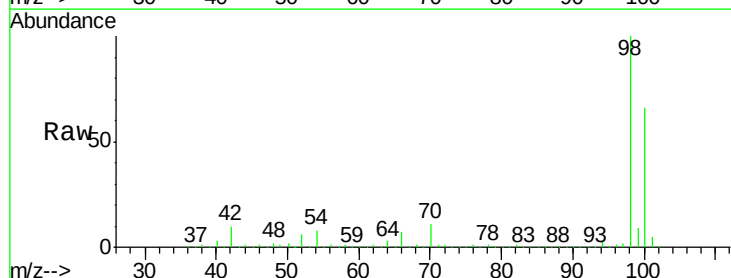
RT: 10.32 min Scan# 1381

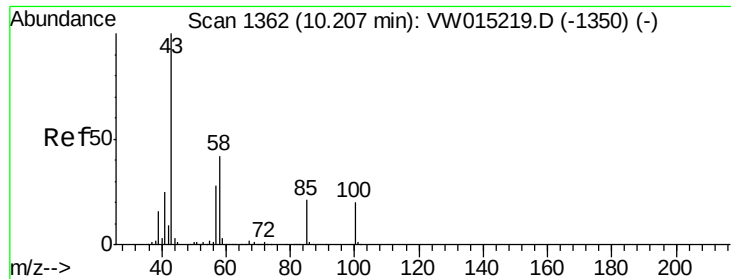
Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	98	Resp:	1185927
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.9	79.3





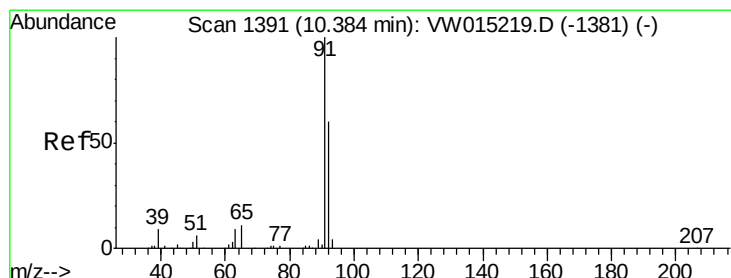
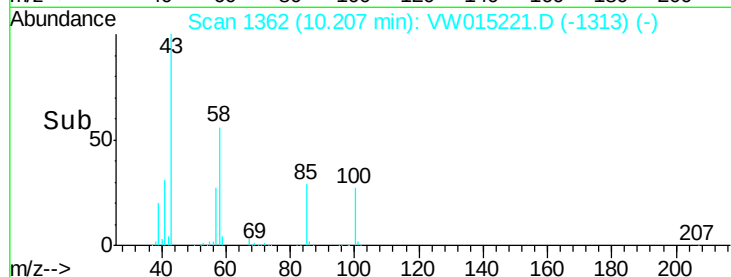
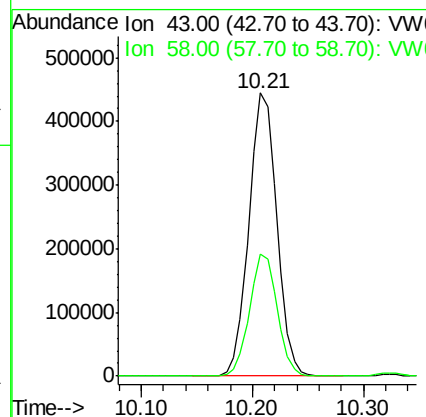
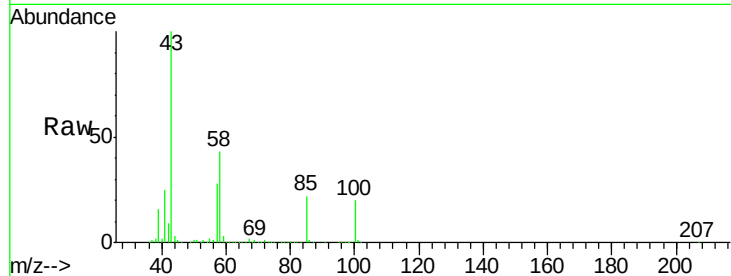
#51
 4-Methyl-2-Pentanone
 Concen: 568.585 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	43	Resp	774437
Ion Ratio	100	Lower	Upper
58	42.8	32.3	48.5

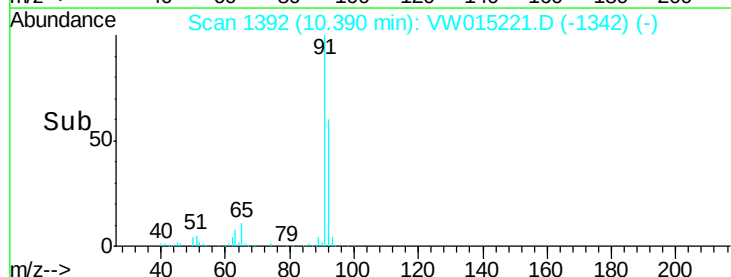
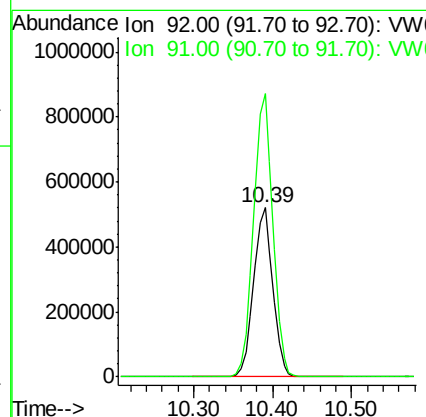
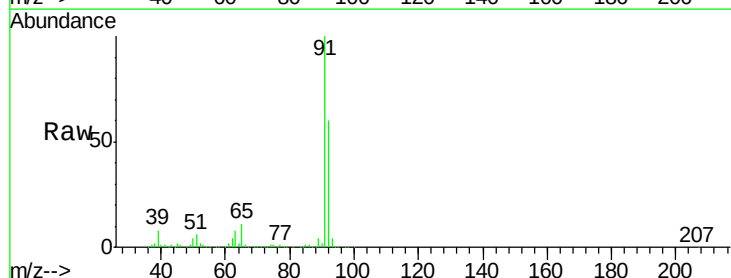
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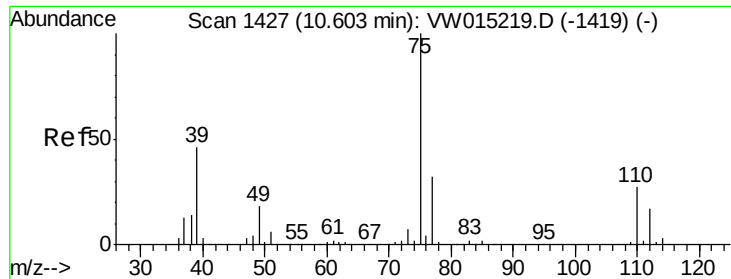
MMDadoda
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#52
 Toluene
 Concen: 152.854 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	92	Resp	879655
Ion Ratio	100	Lower	Upper
91	168.7	137.1	205.7





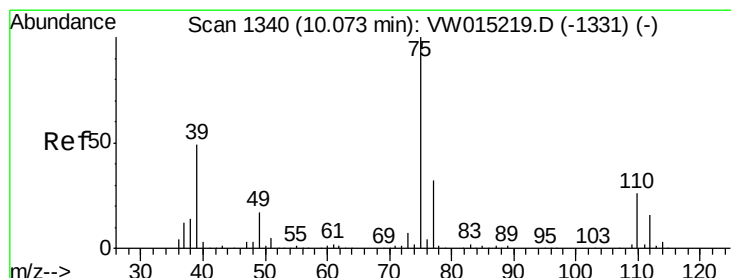
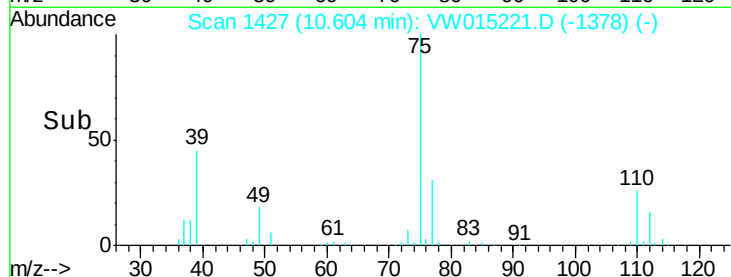
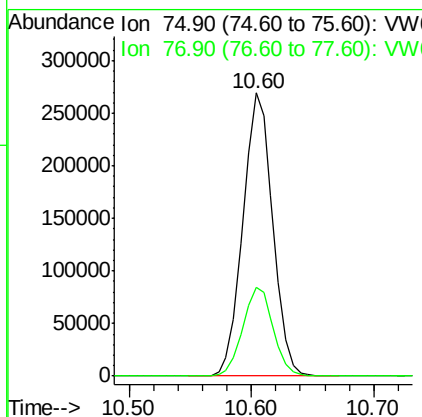
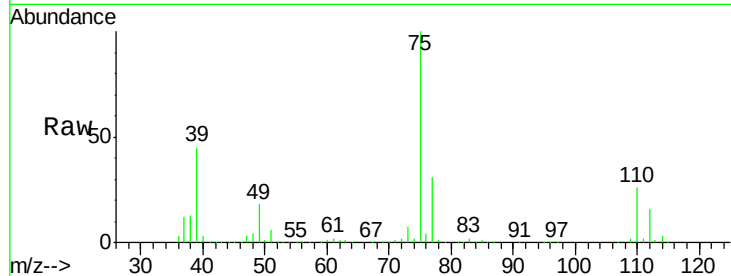
#53
 t-1,3-Dichloropropene
 Concen: 155.942 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 454754
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3

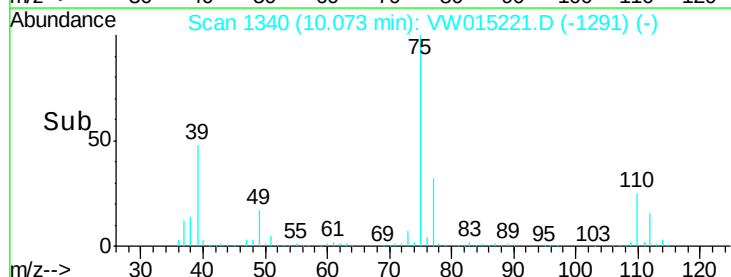
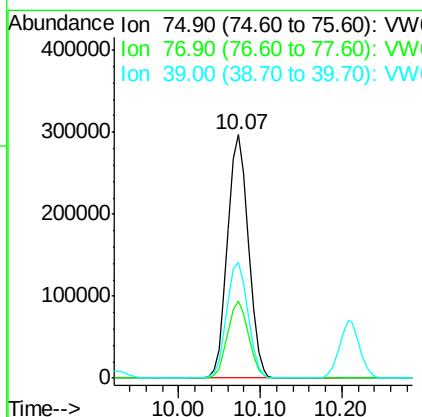
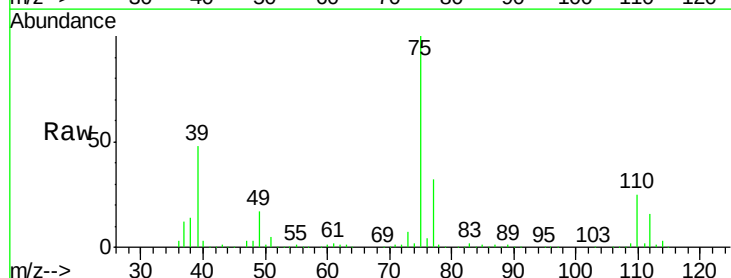
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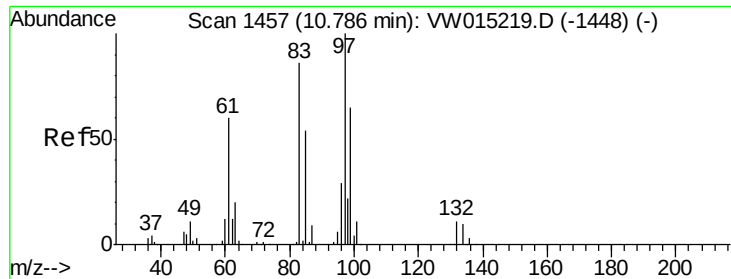
MMDadoda
 4/21/2020 10:01:29 AM



#54
 cis-1,3-Dichloropropene
 Concen: 148.762 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion: 75 Resp: 523363
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.6 39.8
 39 47.5 37.8 56.6





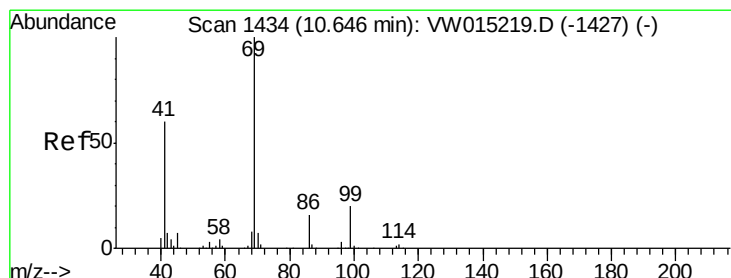
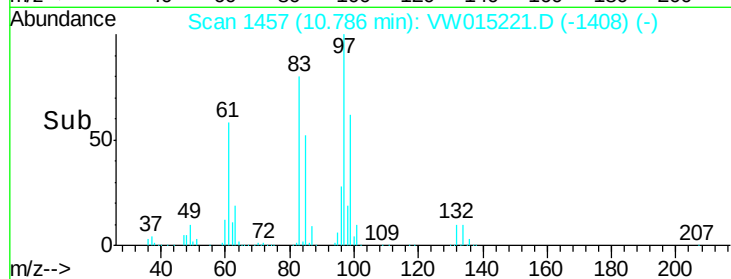
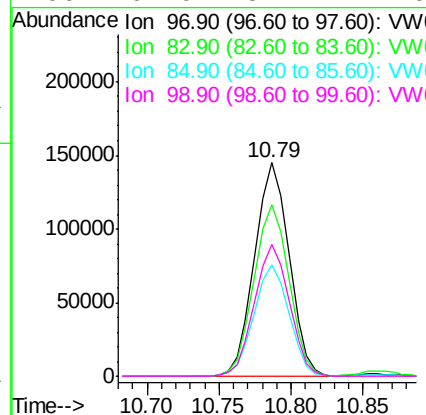
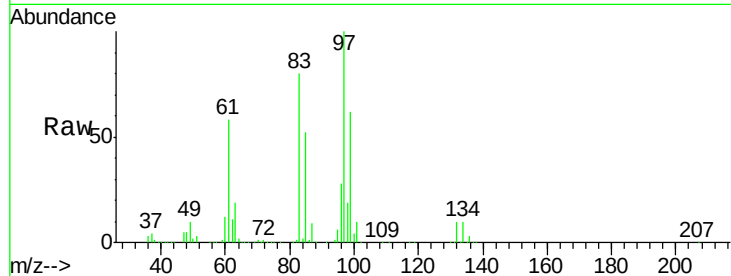
#55
 1,1,2-Trichloroethane
 Concen: 153.765 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	240860
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.3	100.9
85	51.9	43.8	65.8
99	62.0	51.4	77.0

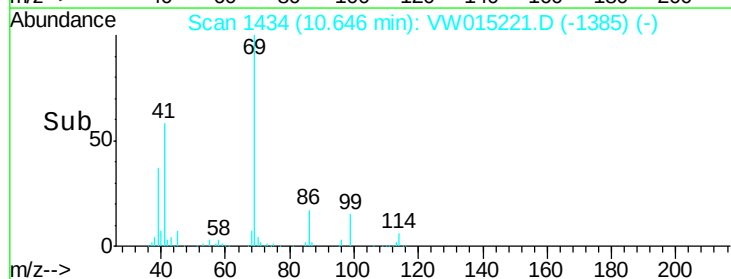
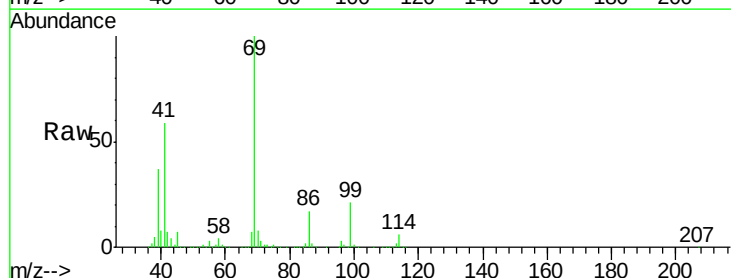
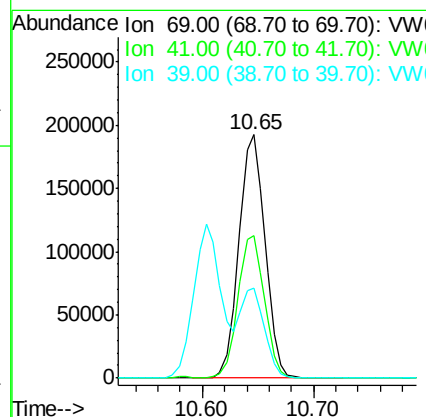
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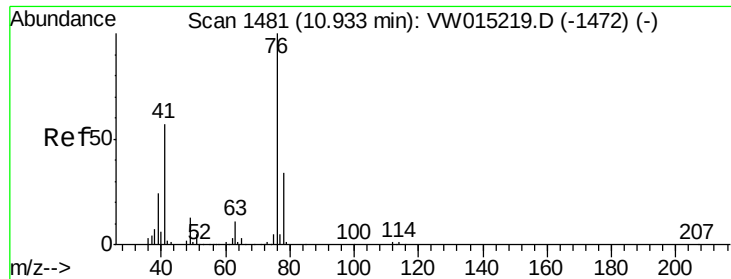
MMDadoda
 4/21/2020 10:01:29 AM



#56
 Ethyl methacrylate
 Concen: 144.576 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion:	69	Resp:	312075
Ion	Ratio	Lower	Upper
69	100		
41	58.9	51.3	76.9
39	34.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 145.342 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 400150

Ion Ratio Lower Upper

76 100

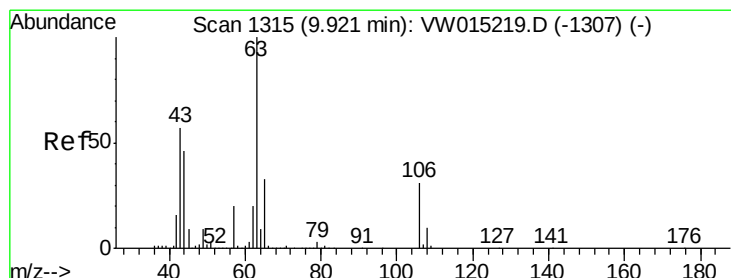
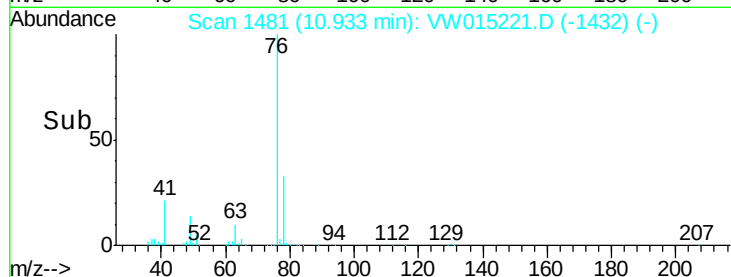
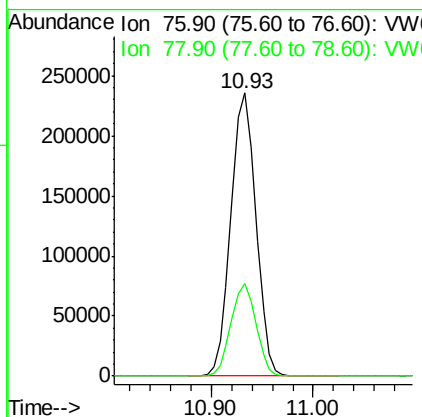
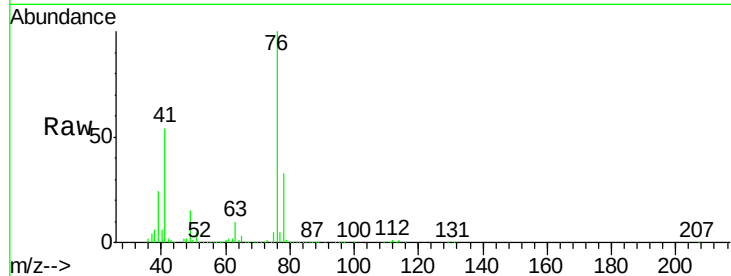
78 32.7 26.2 39.4

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4/21/2020 10:01:29 AM



#58

2-Chloroethyl Vinyl ether

Concen: 658.056 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015221.D

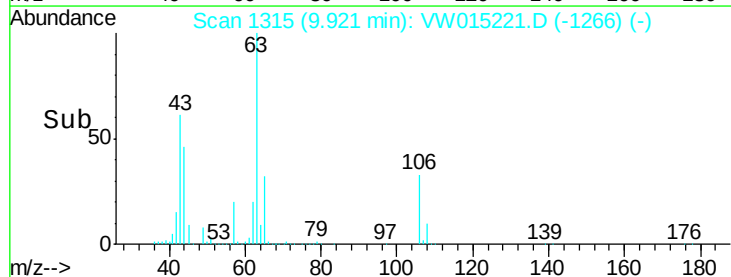
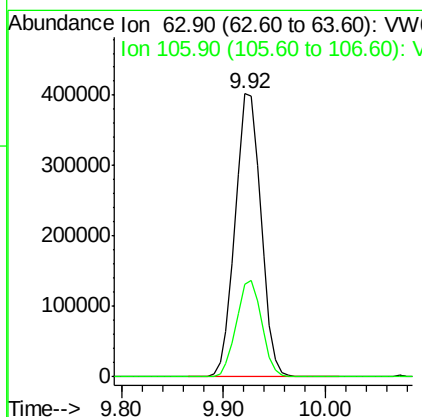
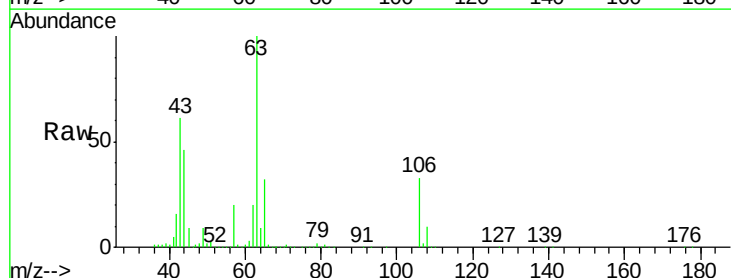
Acq: 20 Apr 2020 14:06

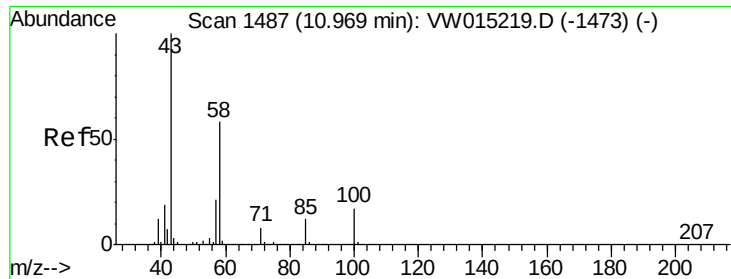
Tgt Ion: 63 Resp: 703006

Ion Ratio Lower Upper

63 100

106 33.5 22.6 33.8





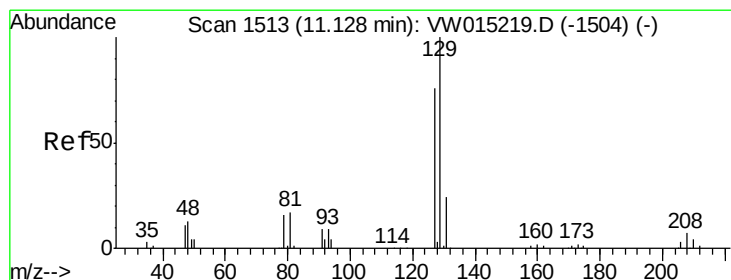
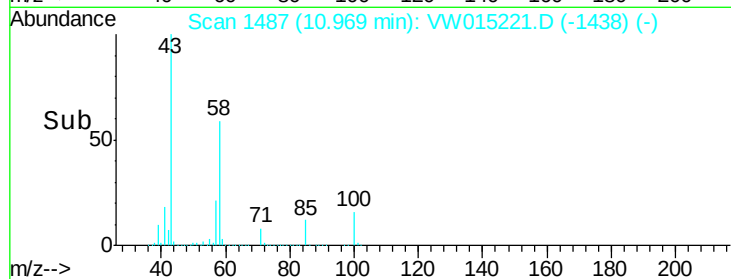
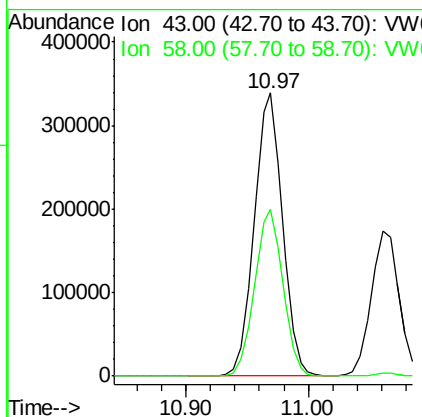
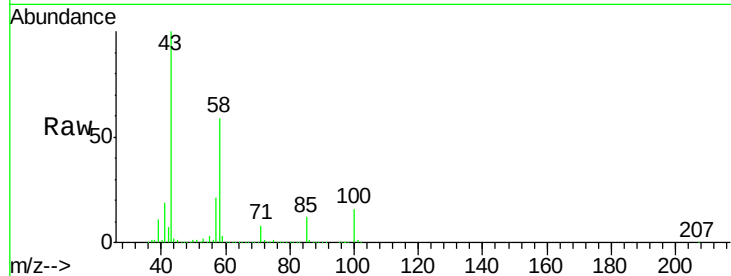
#59
2-Hexanone
Concen: 638.994 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	28.1	84.3

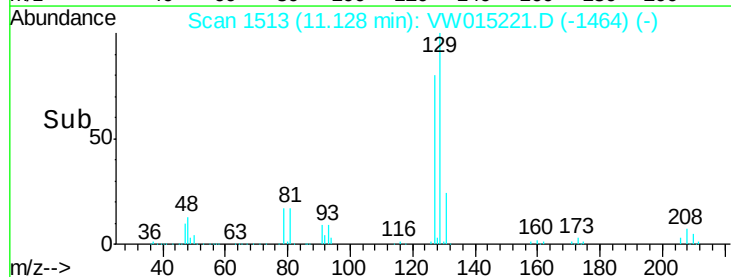
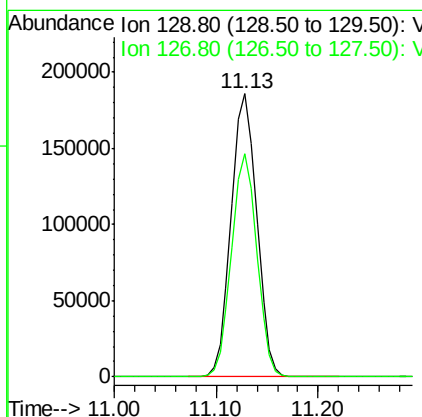
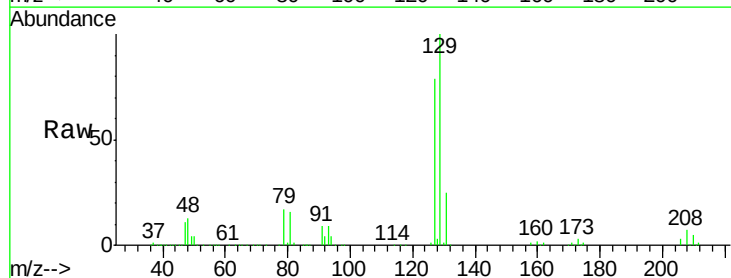
Manual Integrations
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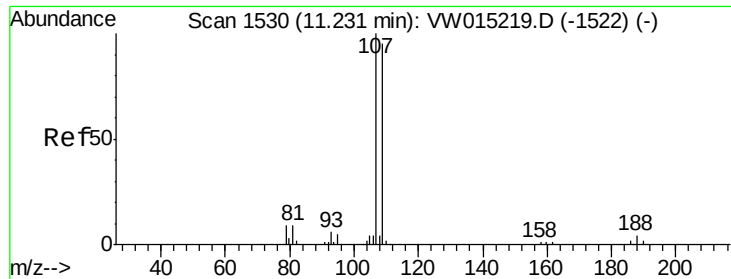
MMDadoda
4/21/2020 10:01:29 AM



#60
Dibromochloromethane
Concen: 172.867 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.3	114.8





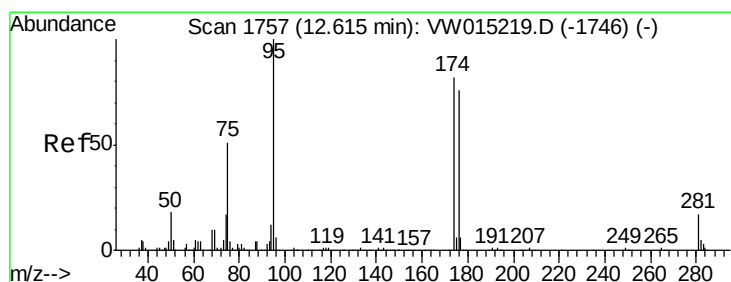
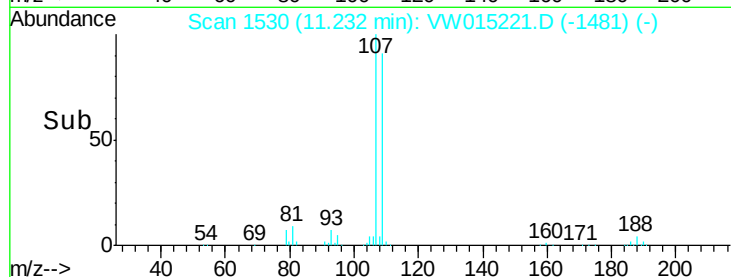
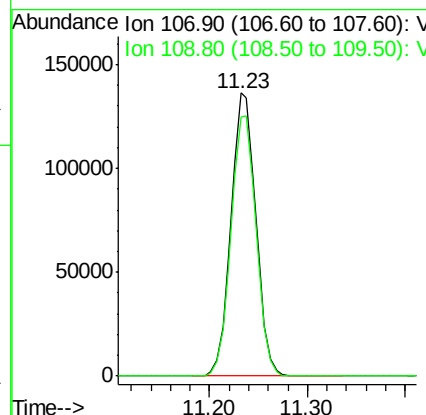
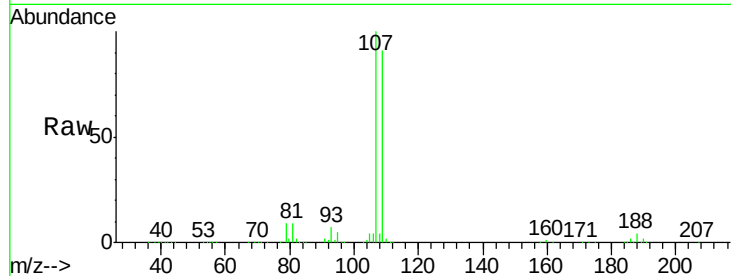
#61
 1,2-Dibromoethane
 Concen: 158.402 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	239128		
109	93.4	74.3	111.5	

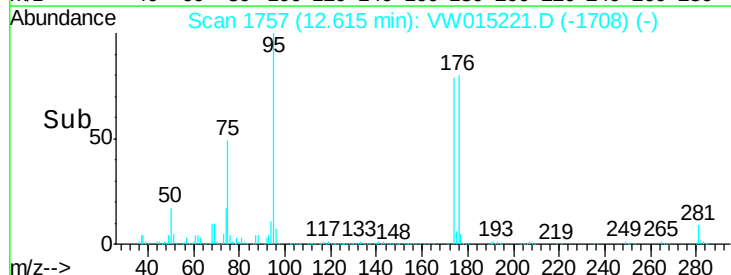
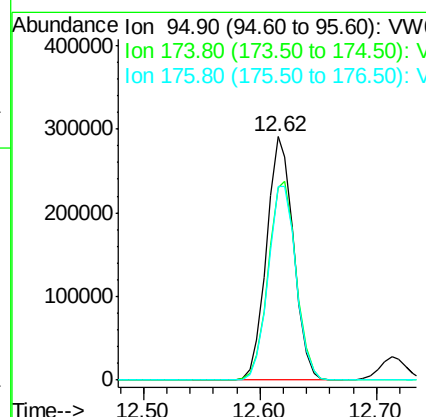
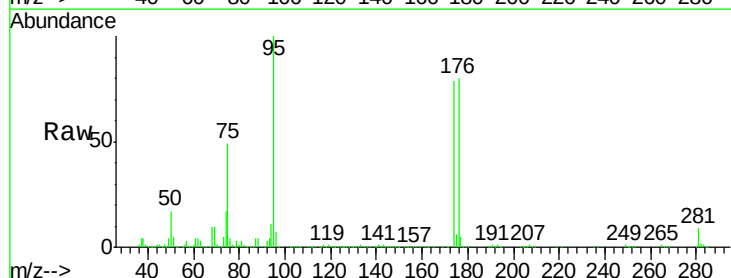
Manual Integrations
 APPROVED

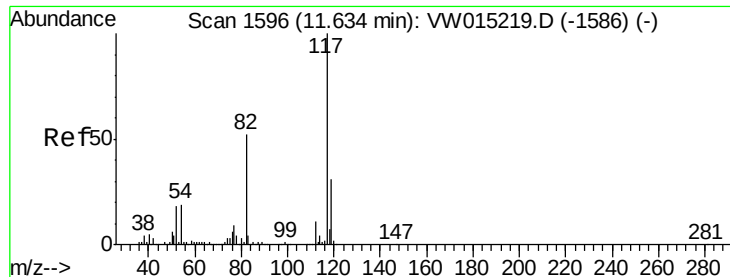
MMDadoda
 4/21/2020 10:01:29 AM



#62
 4-Bromofluorobenzene
 Concen: 167.997 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	468487		
174	84.2	0.0	144.4	
176	82.3	0.0	140.6	





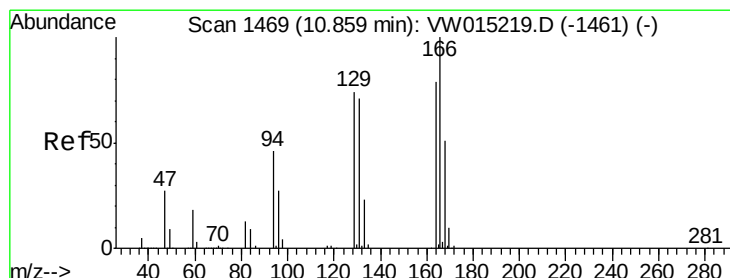
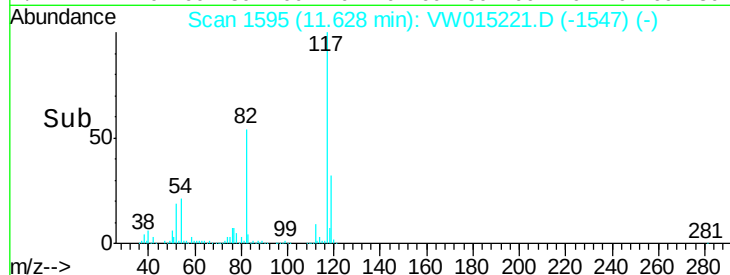
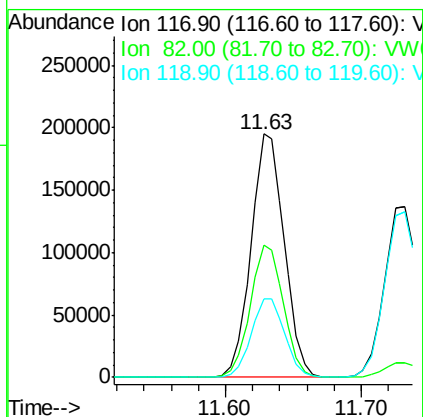
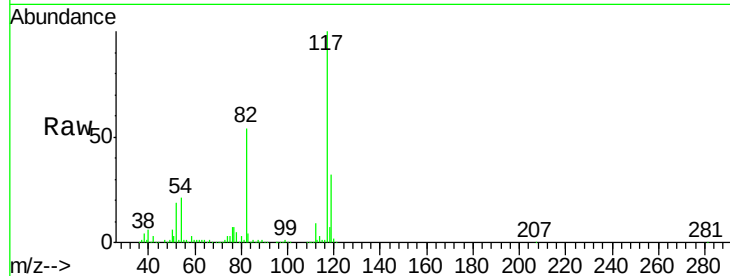
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333447		
82	54.4		44.1	66.1
119	32.2		24.9	37.3

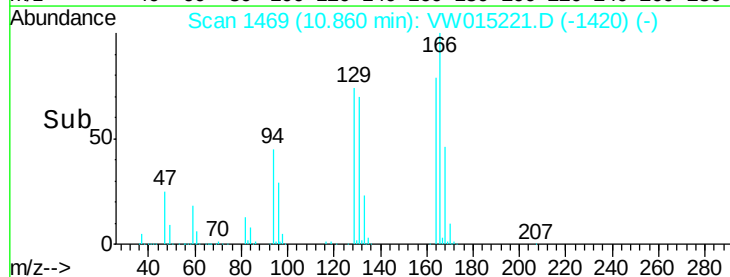
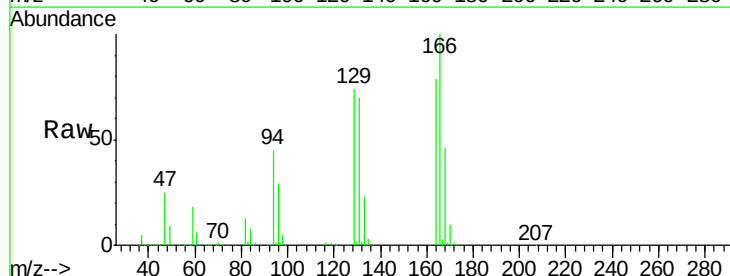
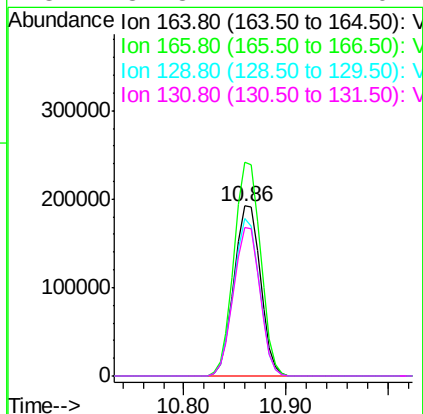
Manual Integrations
APPROVED

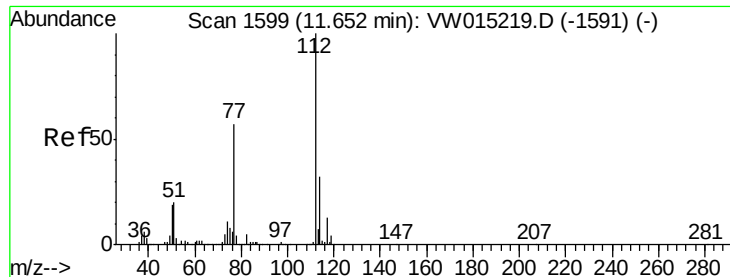
MMDadoda
4/21/2020 10:01:29 AM



#64
Tetrachloroethene
Concen: 176.507 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	345719		
166	125.9		102.6	154.0
129	92.7		80.2	120.2
131	87.8		77.4	116.2





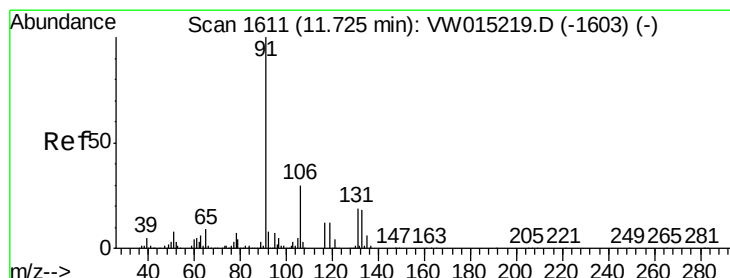
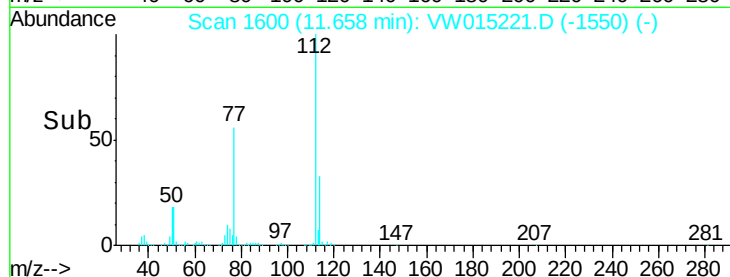
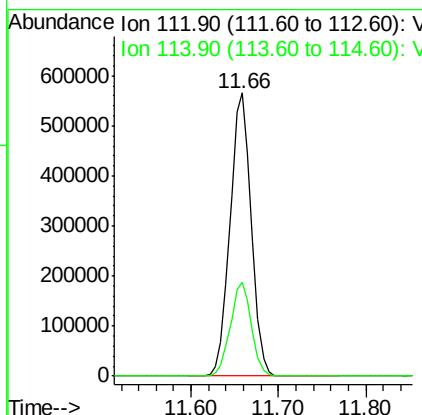
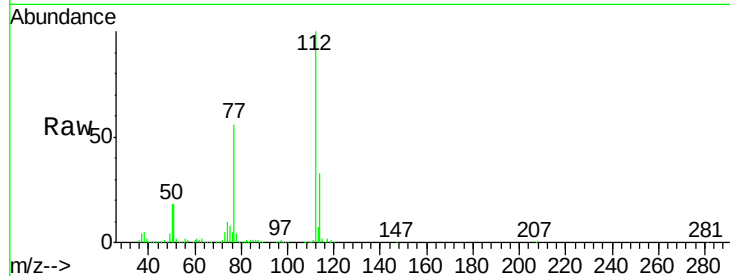
#65
Chlorobenzene
Concen: 151.905 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.6

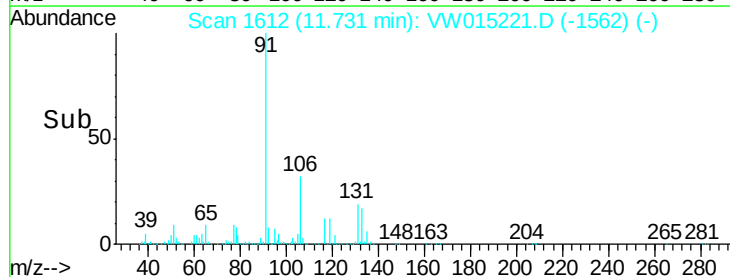
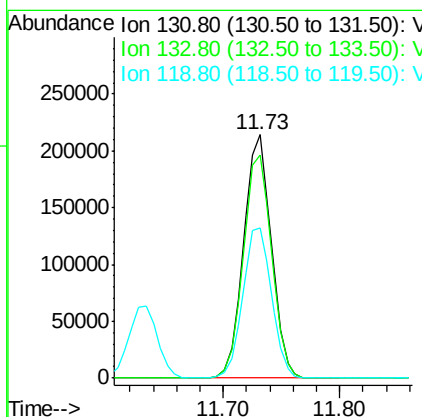
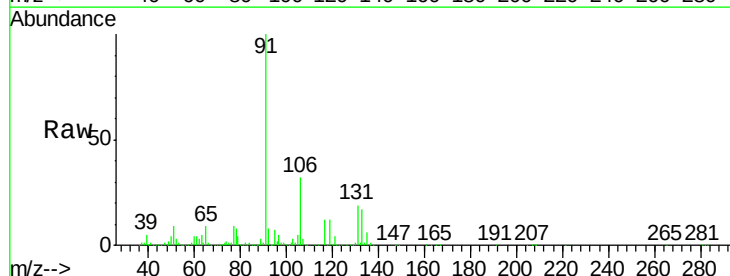
Manual Integrations
APPROVED

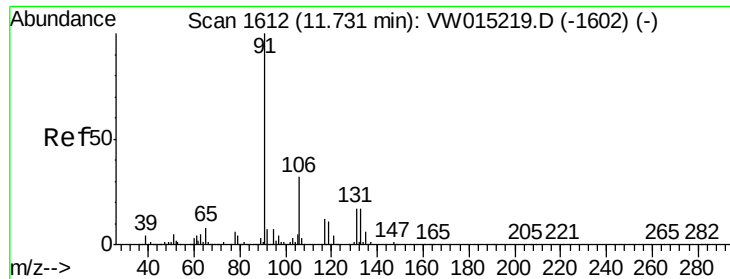
MMDadoda
4/21/2020 10:01:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 164.476 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.7	143.1
119	64.0	34.0	101.8





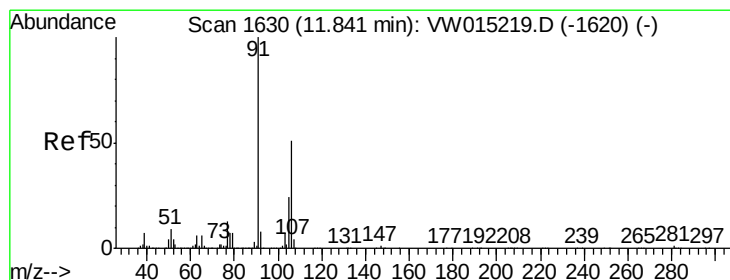
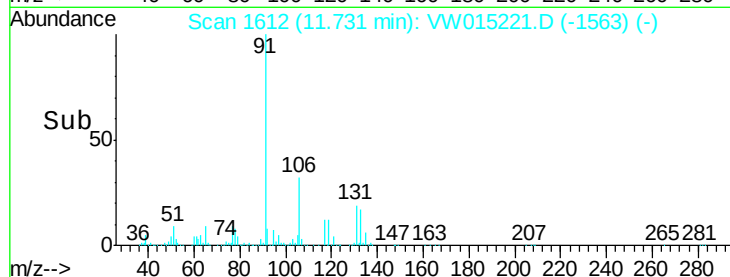
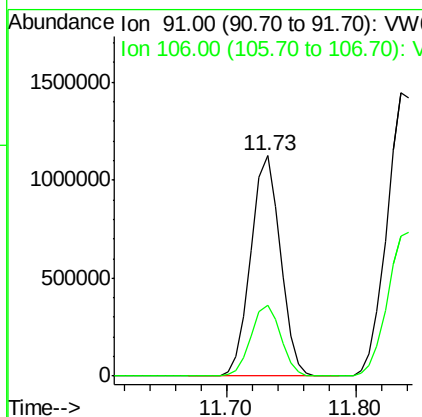
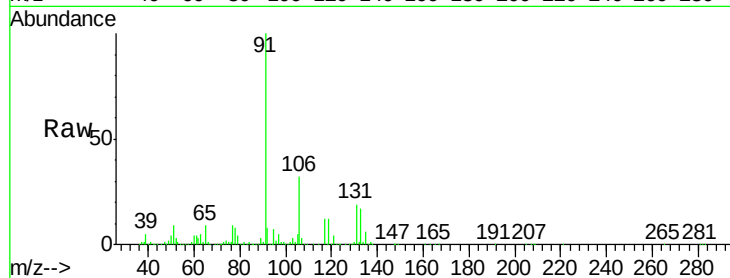
#67
Ethyl Benzene
Concen: 150.329 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1780581
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

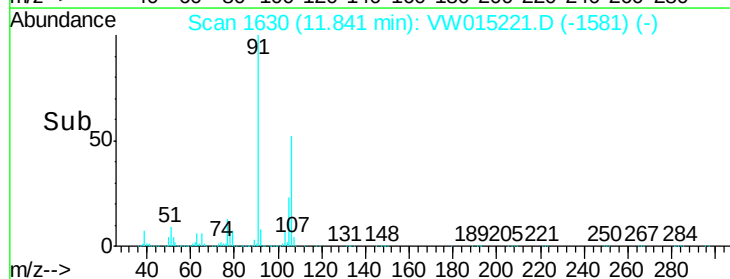
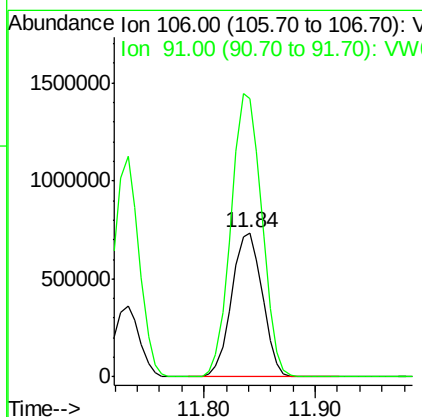
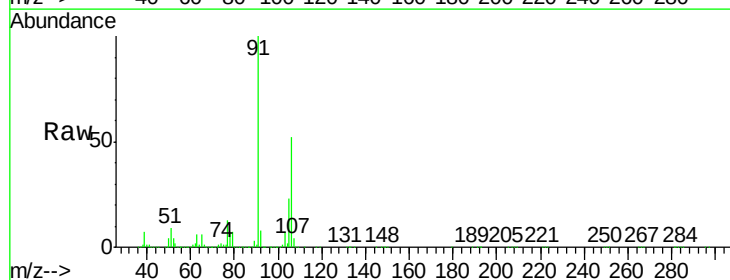
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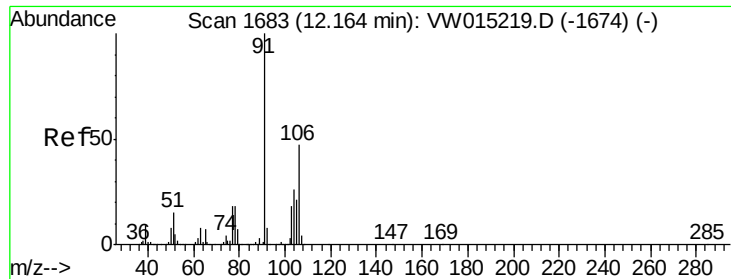
MMDadoda
4/21/2020 10:01:29 AM



#68
m/p-Xylenes
Concen: 311.609 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion: 106 Resp: 1400680
Ion Ratio Lower Upper
106 100
91 197.7 160.0 240.0





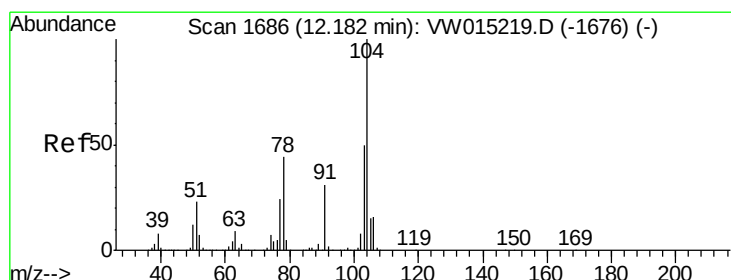
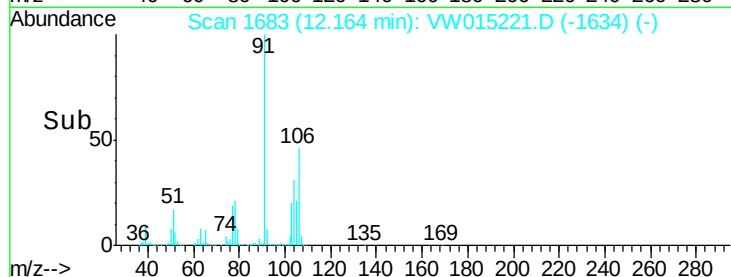
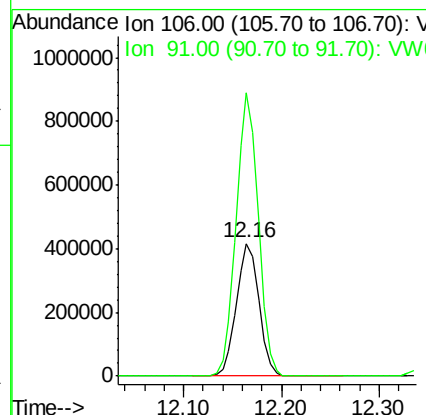
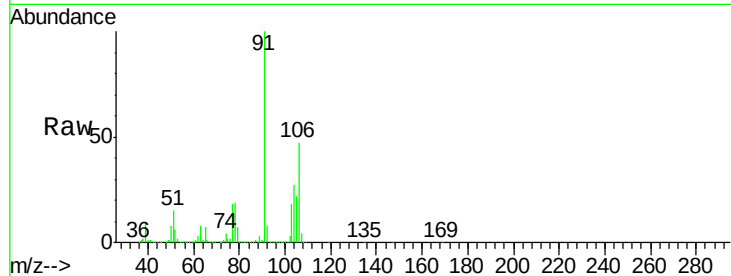
#69
o-Xylene
Concen: 157.930 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.3	105.7	317.1	

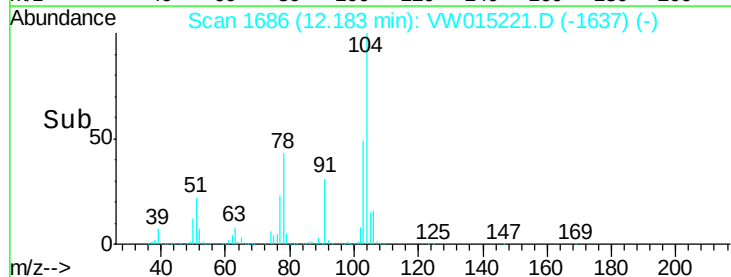
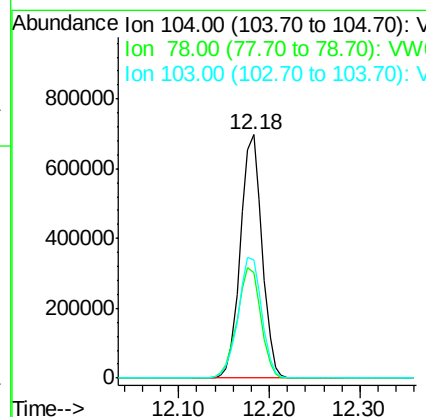
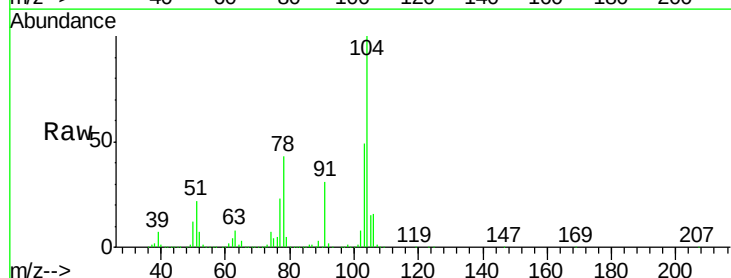
Manual Integrations
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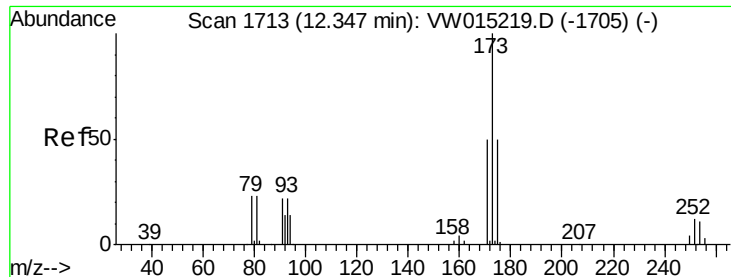
MMDadoda
4/21/2020 10:01:29 AM



#70
Styrene
Concen: 161.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.9	39.8	59.6	
103	54.4	43.8	65.6	





#71

Bromoform

Concen: 189.835 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 204447

Ion Ratio Lower Upper

173 100

175 48.4 25.1 75.4

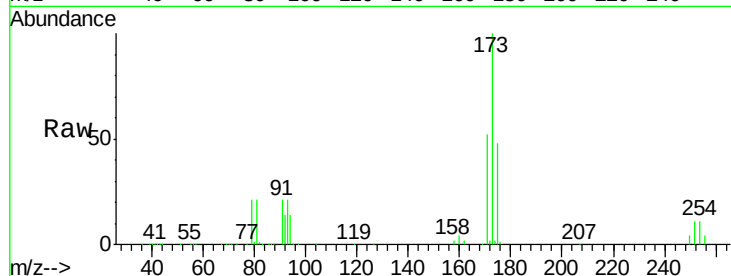
254 0.0 0.1 0.1#

Manual Integrations

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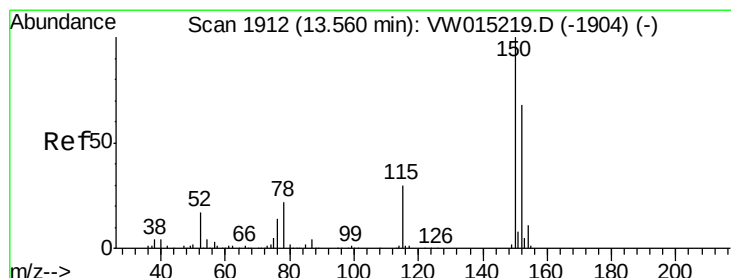
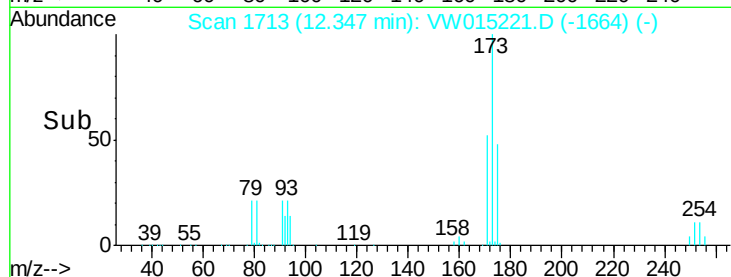
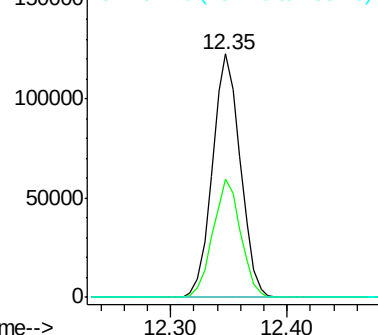
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

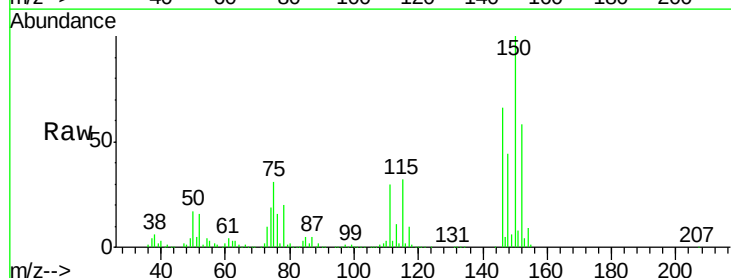
Tgt Ion:152 Resp: 187964

Ion Ratio Lower Upper

152 100

115 56.5 31.3 93.9

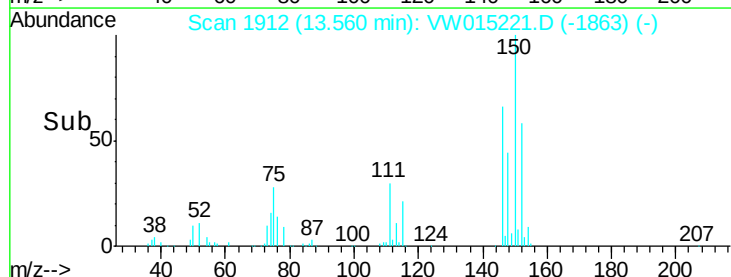
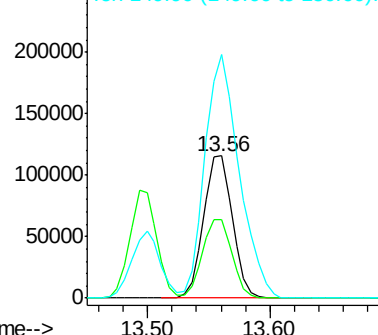
150 203.9 0.0 343.4

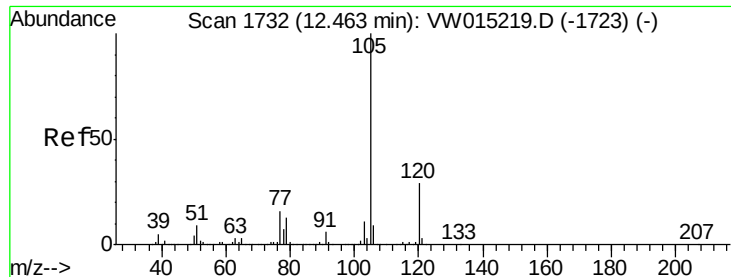


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 131.668 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1845671

Ion Ratio Lower Upper

105 100

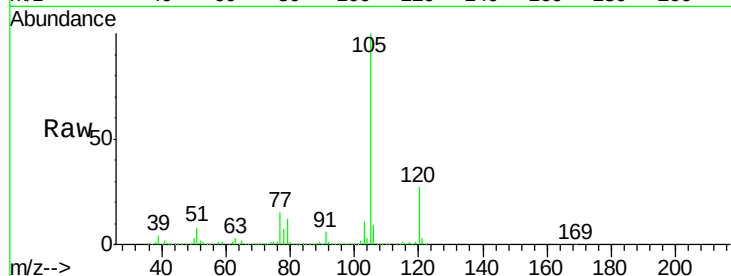
120 27.4 13.7 41.1

Manual Integrations

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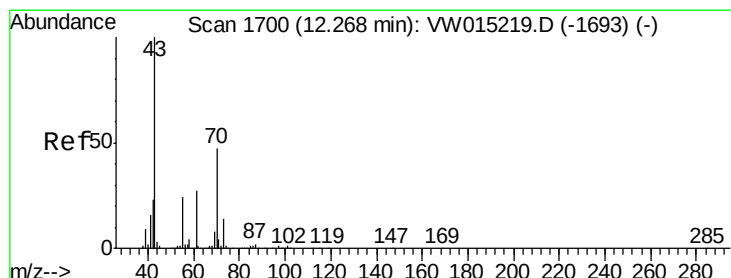
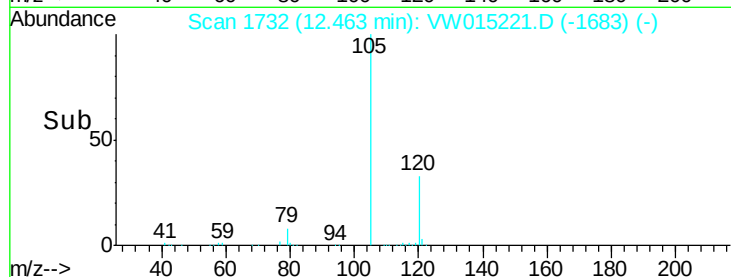
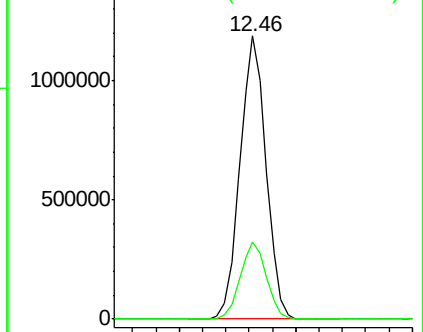
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 102.583 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion: 43 Resp: 334268

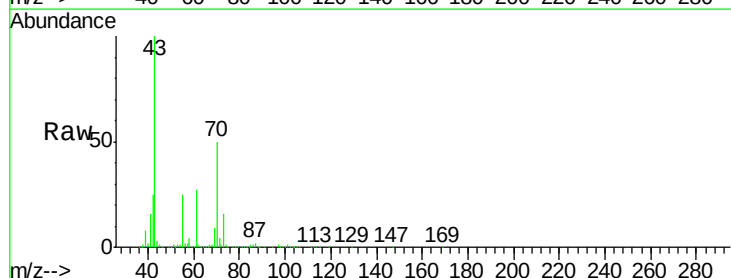
Ion Ratio Lower Upper

43 100

70 49.5 35.4 53.2

55 24.7 18.5 27.7

61 27.1 20.3 30.5

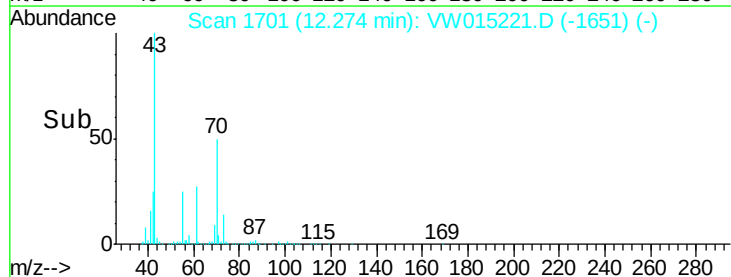
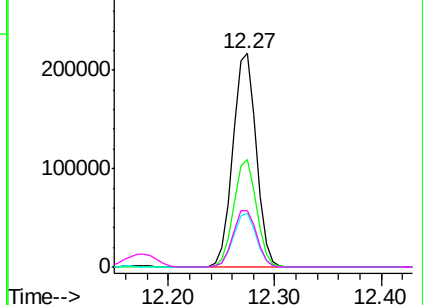


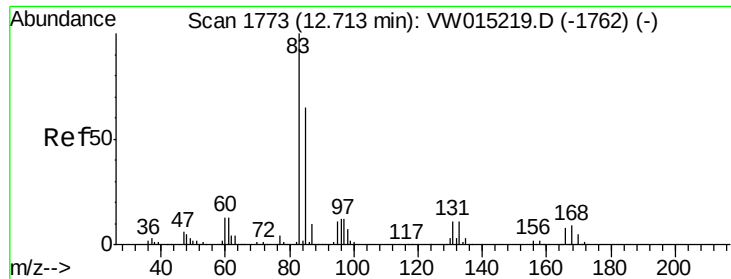
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 112.655 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

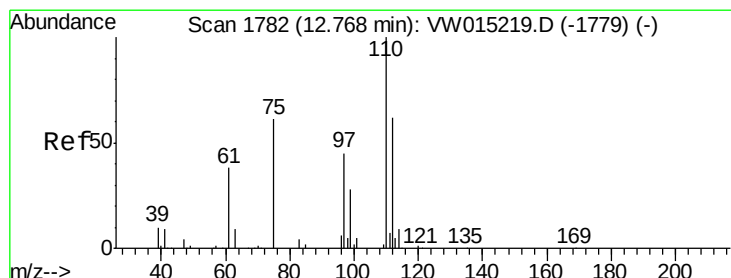
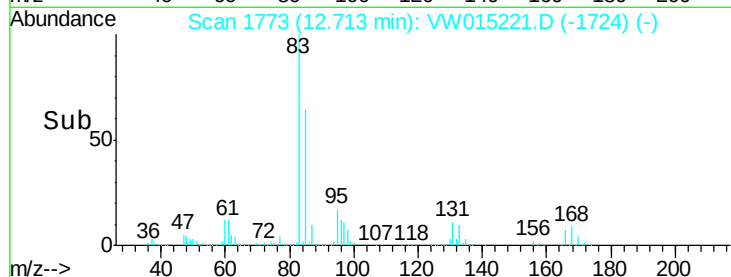
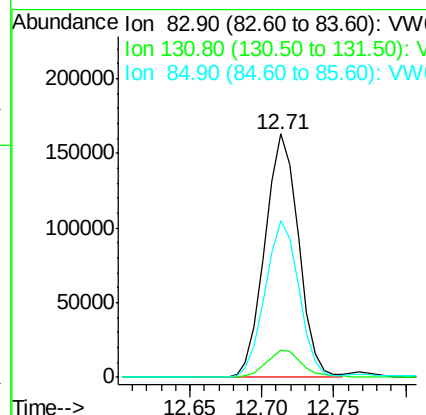
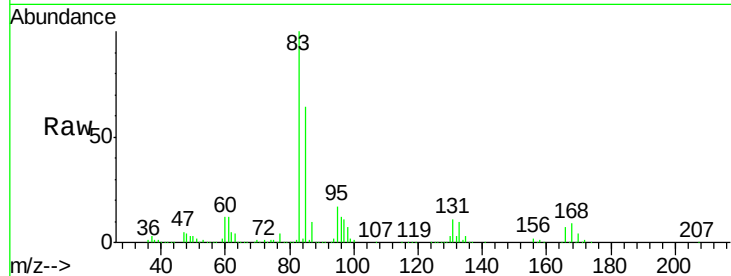
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	264590
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.1	15.2
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 132.370 ug/l m

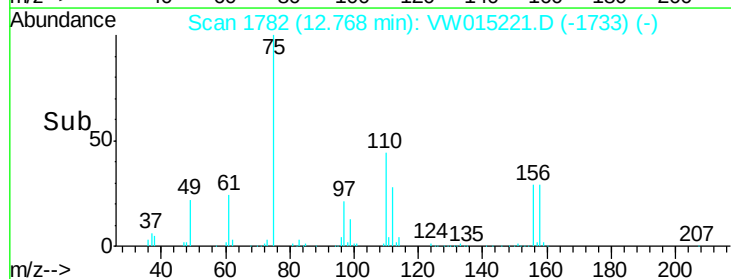
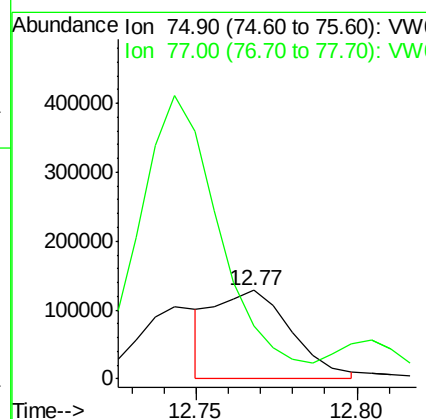
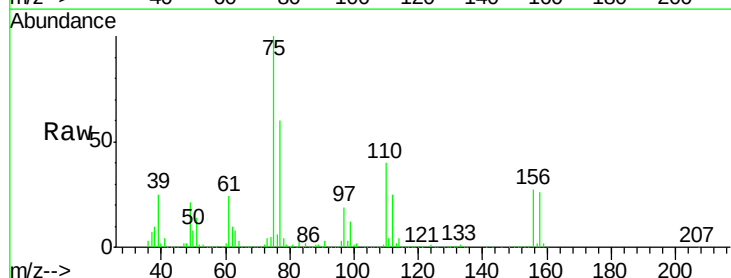
RT: 12.77 min Scan# 1782

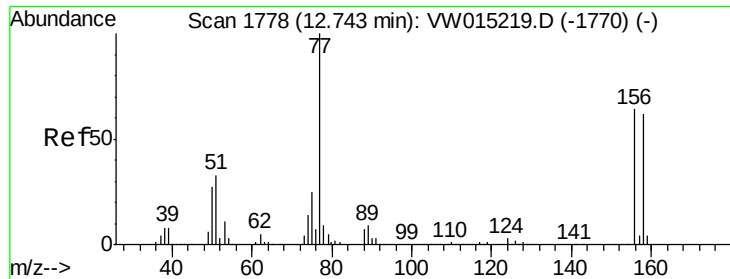
Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	75	Resp:	212988
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 150.152 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 436055

Ion Ratio Lower Upper

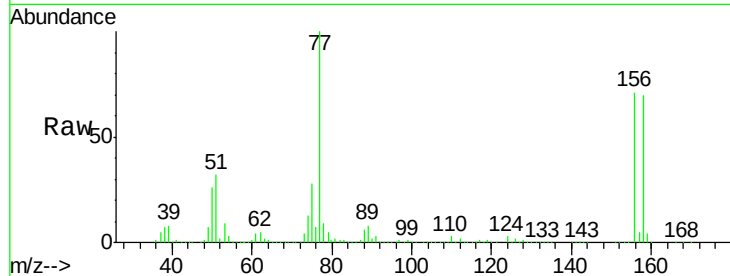
156 100

77 167.3 100.5 301.5

158 97.1 47.9 143.8

Manual Integrations
APPROVED

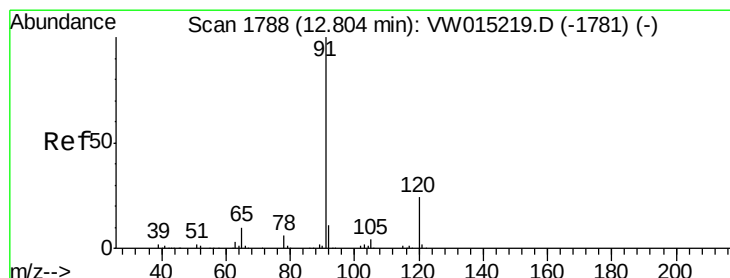
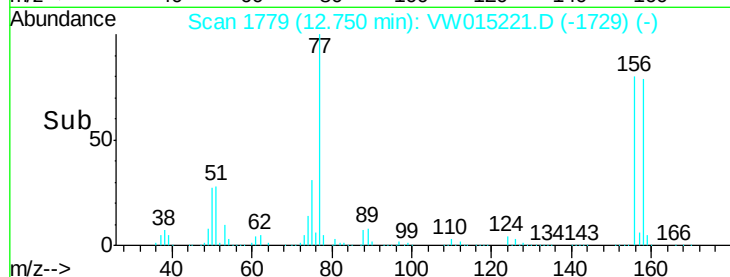
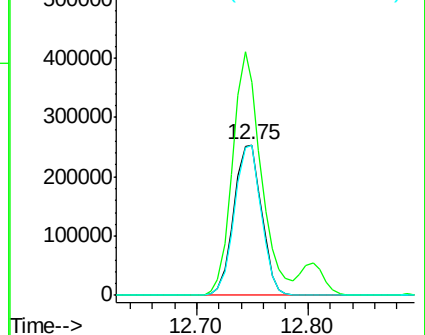
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 126.881 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015221.D

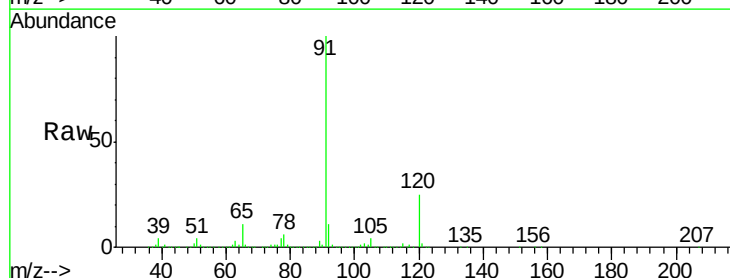
Acq: 20 Apr 2020 14:06

Tgt Ion: 91 Resp: 2144894

Ion Ratio Lower Upper

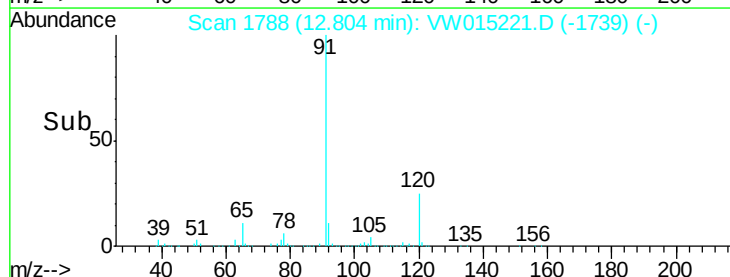
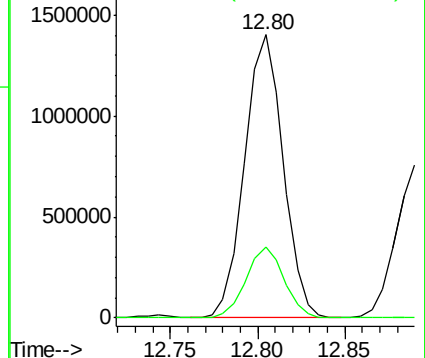
91 100

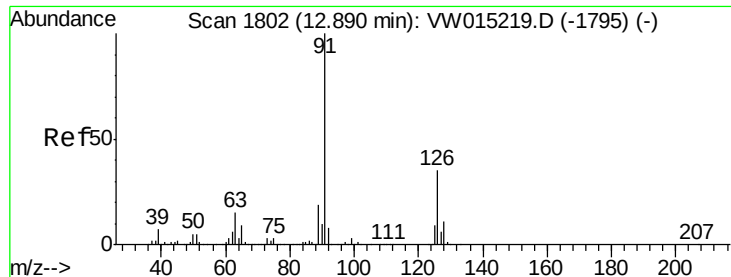
120 24.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 131.741 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1231140

Ion Ratio Lower Upper

91 100

126 35.5

16.8

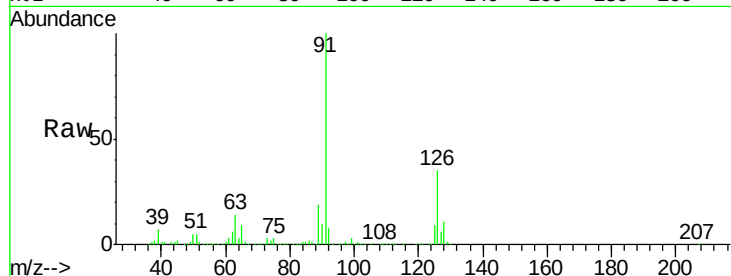
50.4

Manual Integrations

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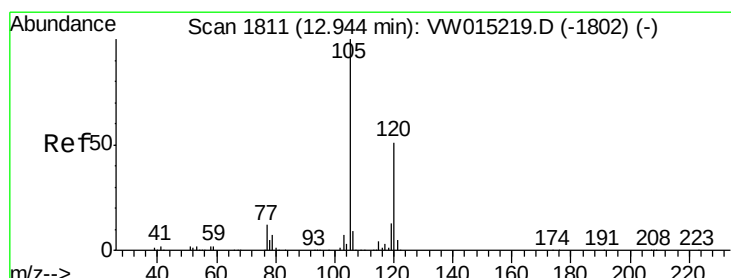
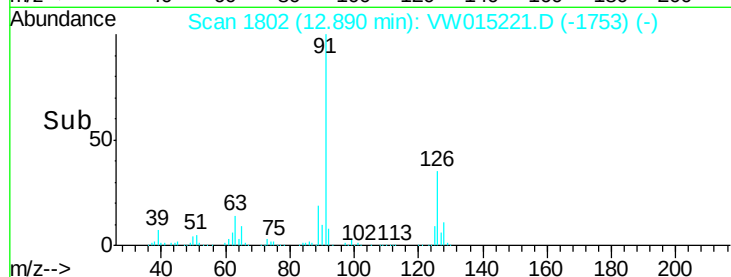
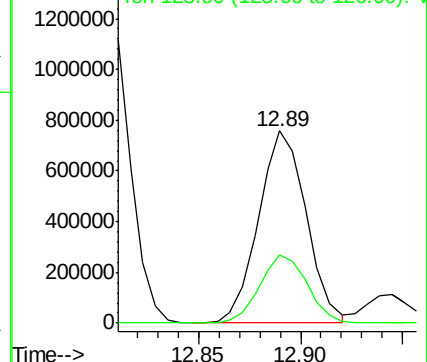
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 136.839 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:105 Resp: 1615152

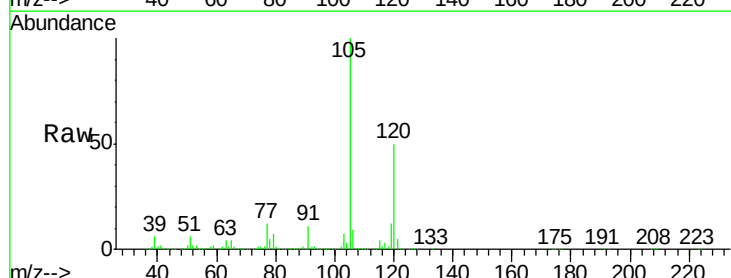
Ion Ratio Lower Upper

105 100

120 50.0

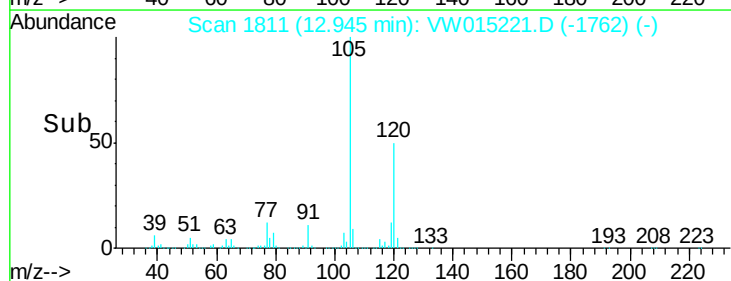
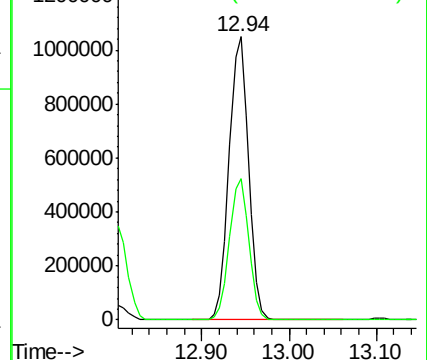
24.9

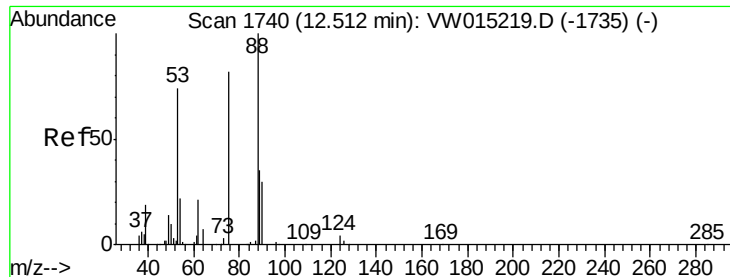
74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





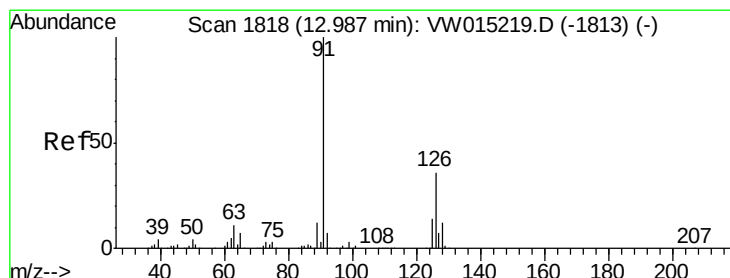
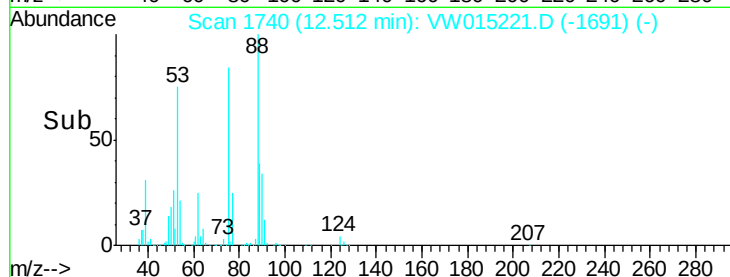
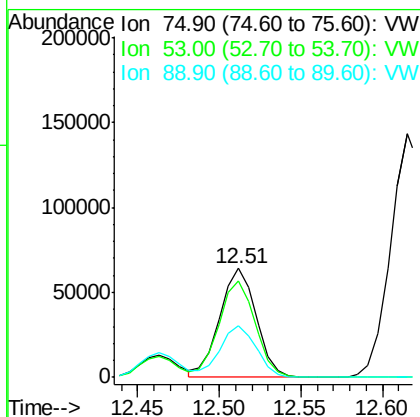
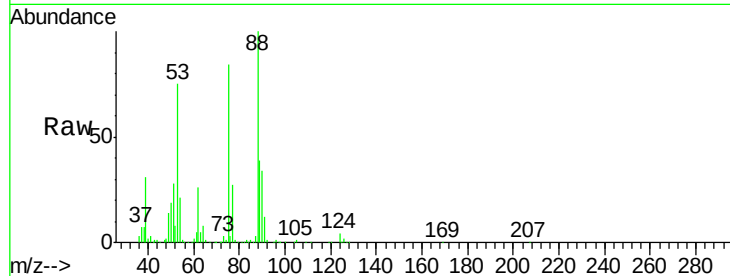
#81
trans-1,4-Dichloro-2-butene
Concen: 119.239 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	69.4	104.2
89	46.6	34.8	52.2

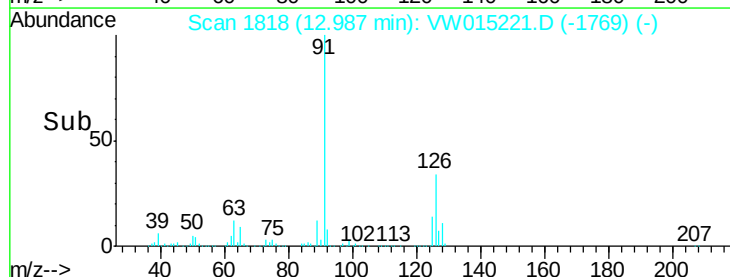
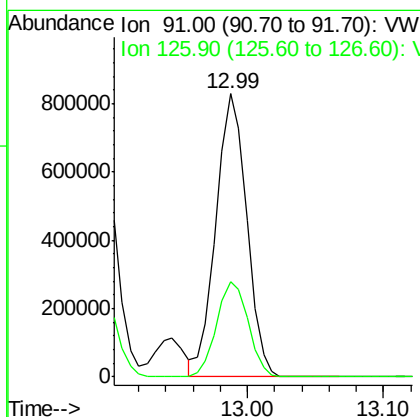
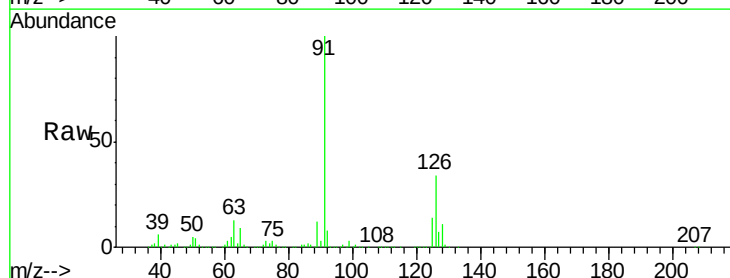
Manual Integrations
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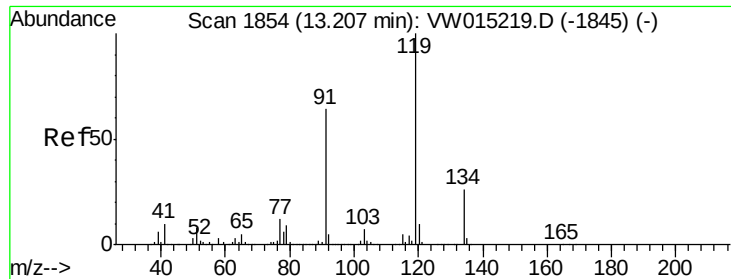
MMDadoda
4/21/2020 10:01:29 AM



#82
4-Chlorotoluene
Concen: 131.893 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.8	50.3





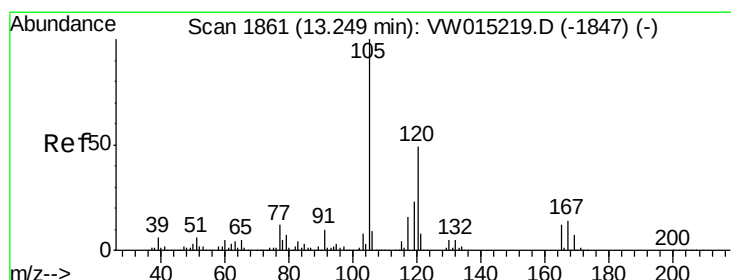
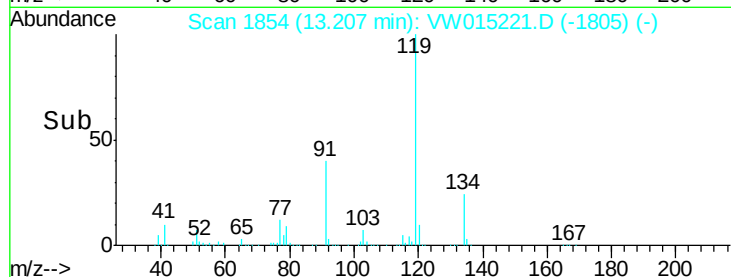
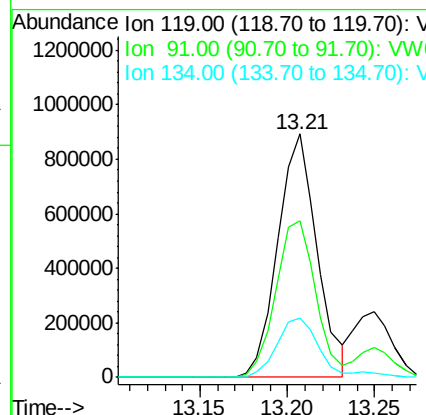
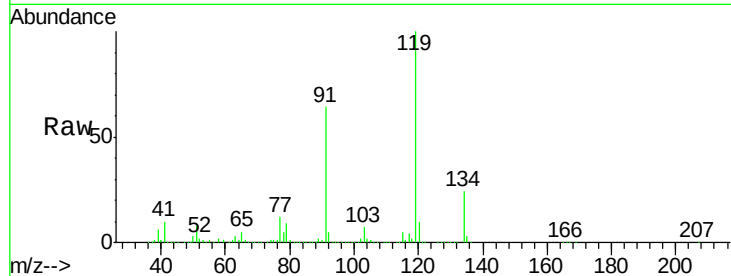
#83
 tert-Butylbenzene
 Concen: 136.525 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.8	98.3
134	27.0	13.3	39.9

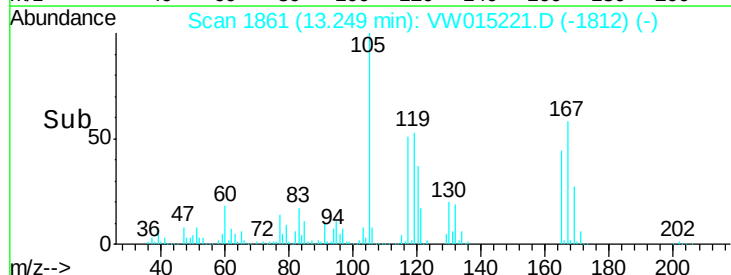
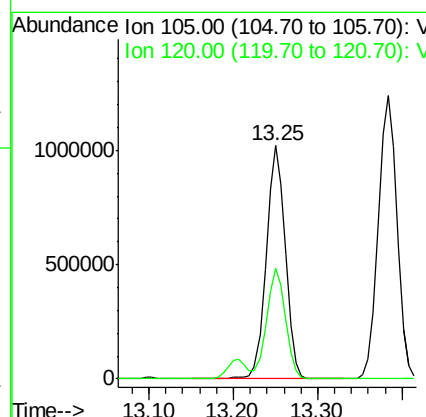
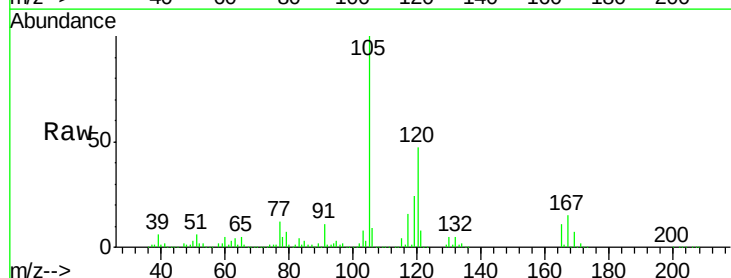
Manual Integrations
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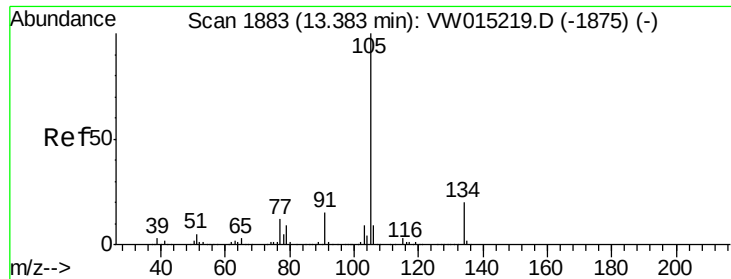
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 4/21/2020 10:01:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 135.234 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





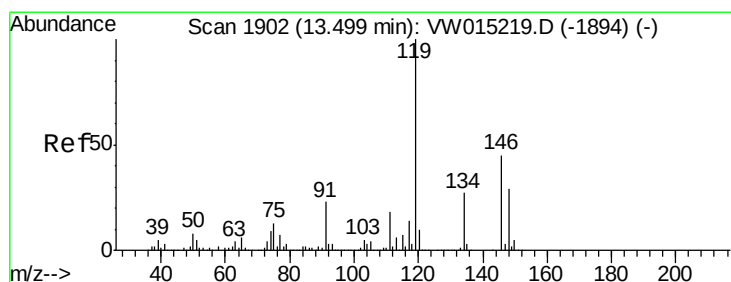
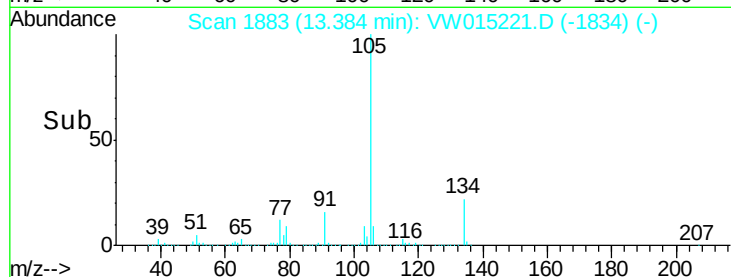
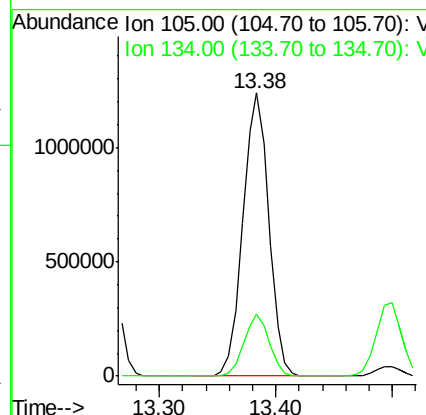
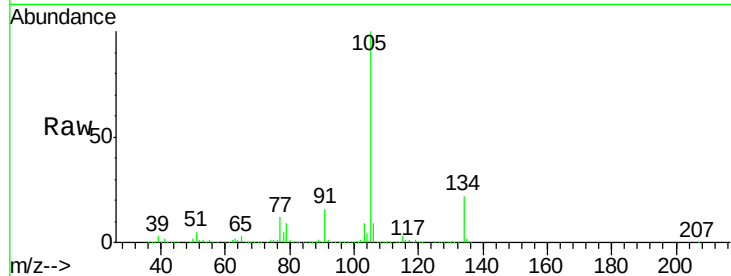
#85
 sec-Butylbenzene
 Concen: 131.834 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1917535
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.1 30.1

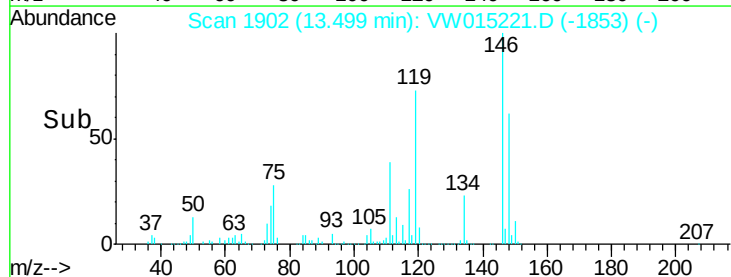
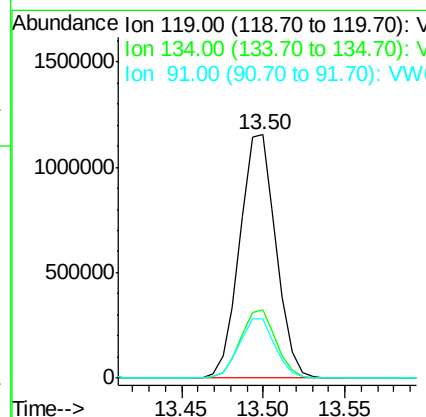
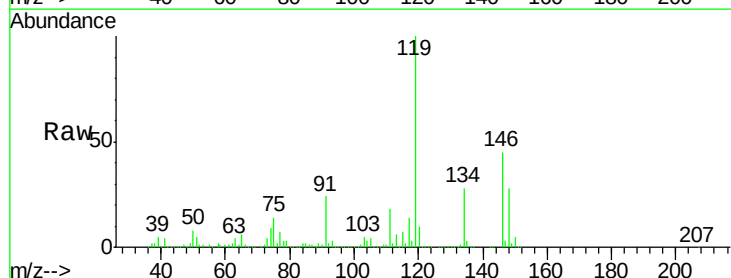
Manual Integrations
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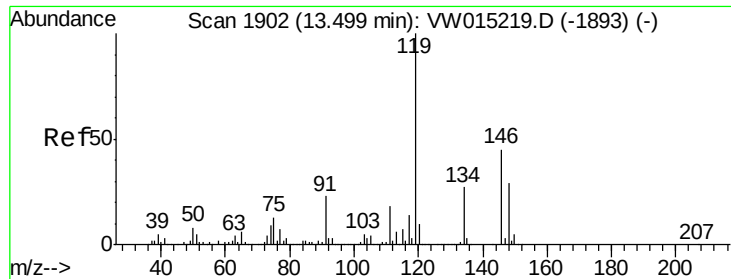
MMDadoda
 4/21/2020 10:01:29 AM



#86
 p-Isopropyltoluene
 Concen: 137.396 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion:119 Resp: 1783163
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.3 39.9
 91 24.0 12.0 36.1





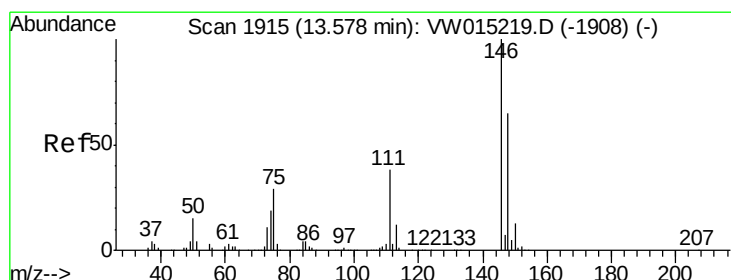
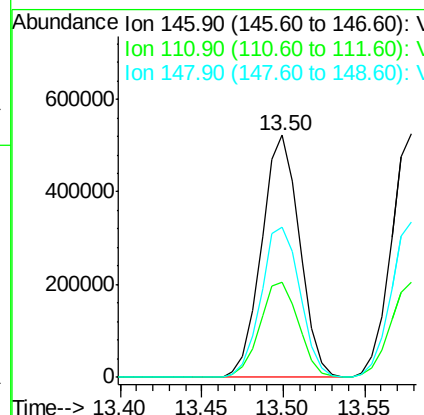
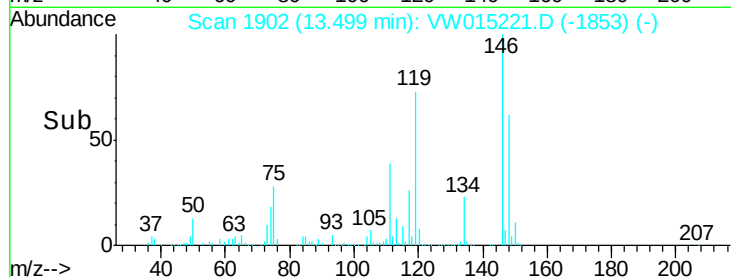
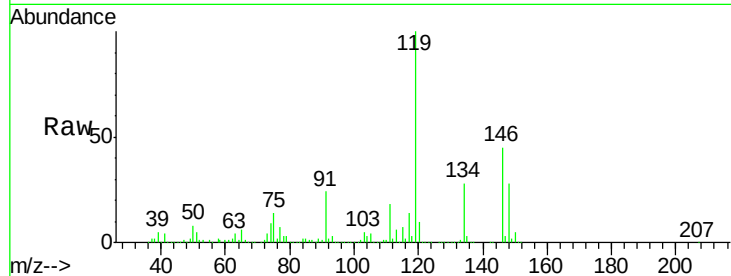
#87
 1,3-Dichlorobenzene
 Concen: 146.613 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.4
148	63.7	31.8	95.3

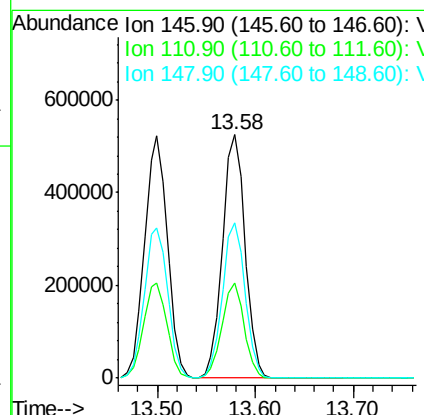
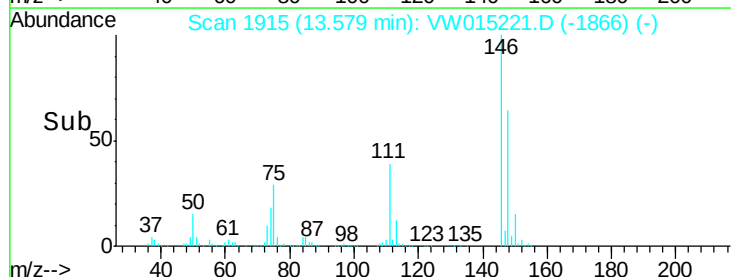
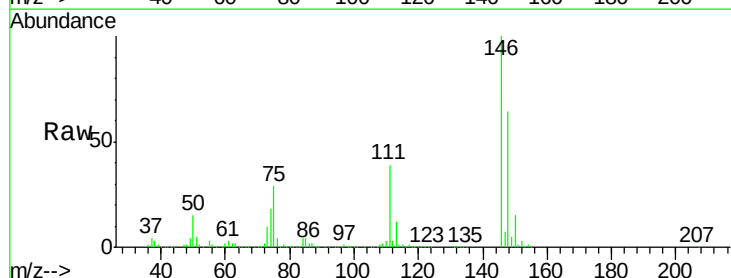
Manual Integrations
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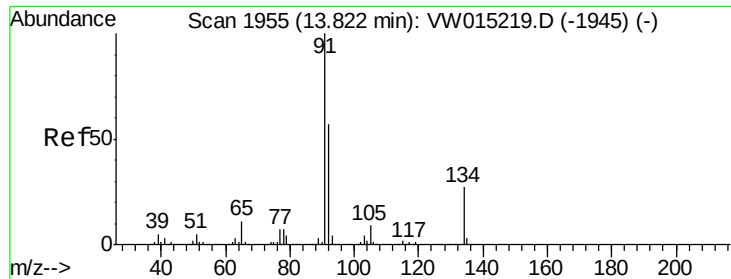
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#88
 1,4-Dichlorobenzene
 Concen: 147.221 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.4	61.3
148	64.0	31.5	94.5





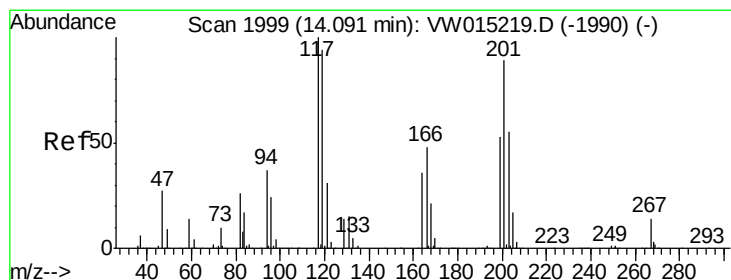
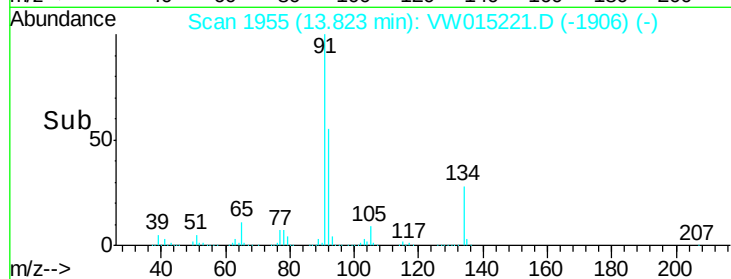
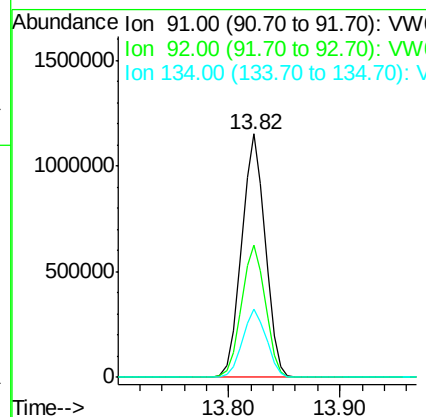
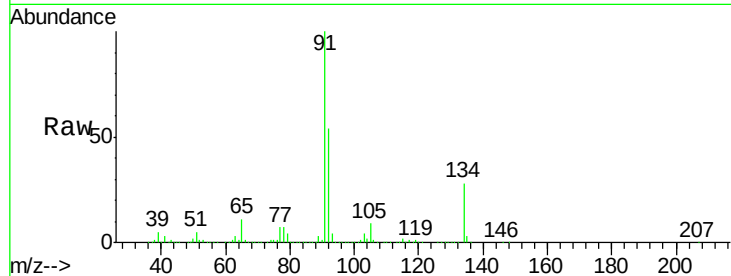
#89
n-Butylbenzene
Concen: 131.150 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1682723
Ion Ratio Lower Upper
91 100
92 55.2 27.6 82.7
134 28.3 12.8 38.3

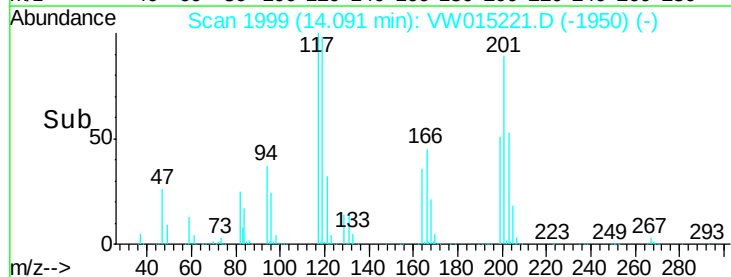
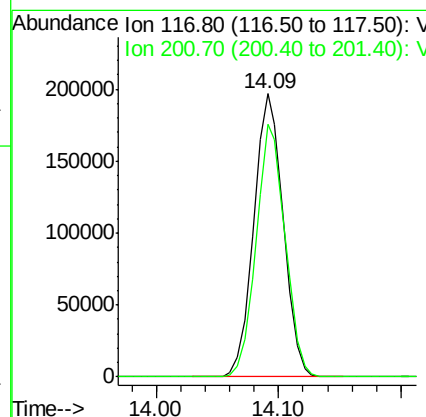
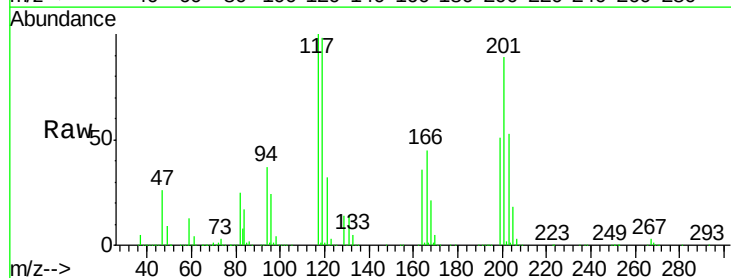
Manual Integrations
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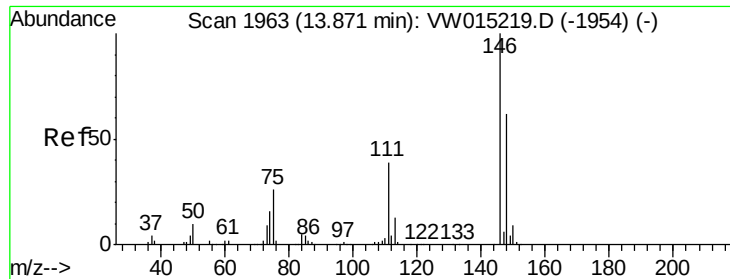
MMDadoda
4/21/2020 10:01:29 AM



#90
Hexachloroethane
Concen: 131.965 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion: 117 Resp: 329292
Ion Ratio Lower Upper
117 100
201 87.9 33.6 100.6





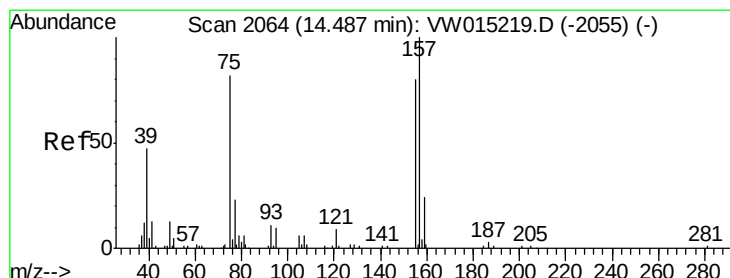
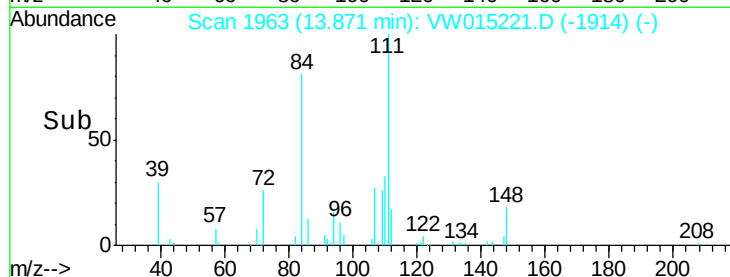
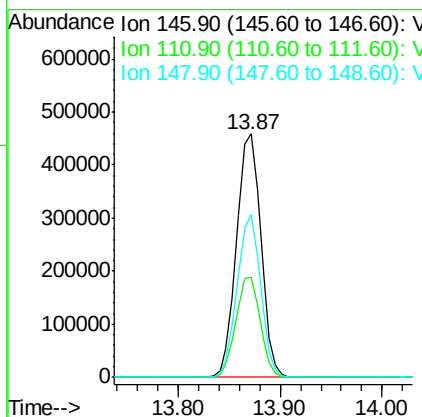
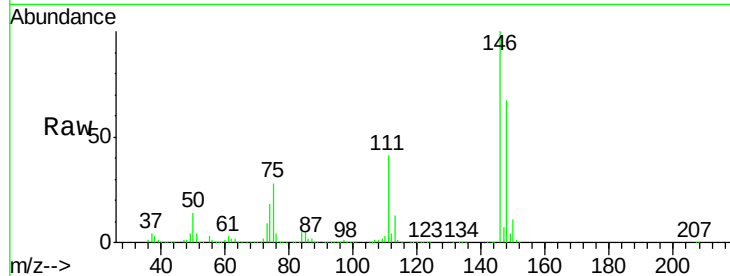
#91
 1,2-Dichlorobenzene
 Concen: 146.815 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	755220		
111	41.1		21.6	65.0
148	64.5		31.0	93.0

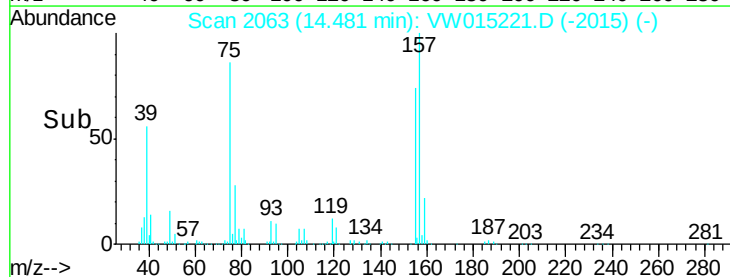
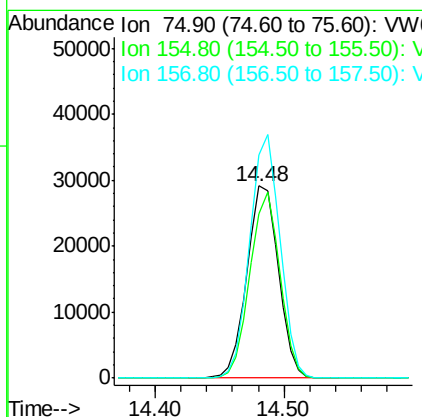
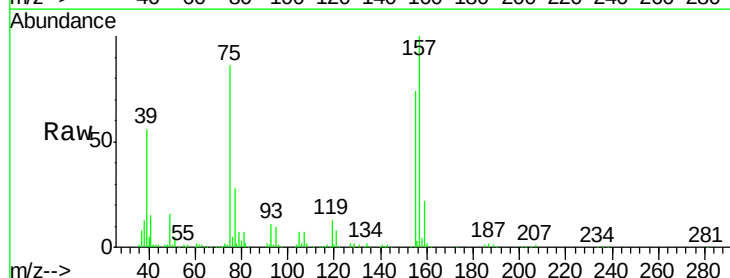
Manual Integrations
 APPROVED

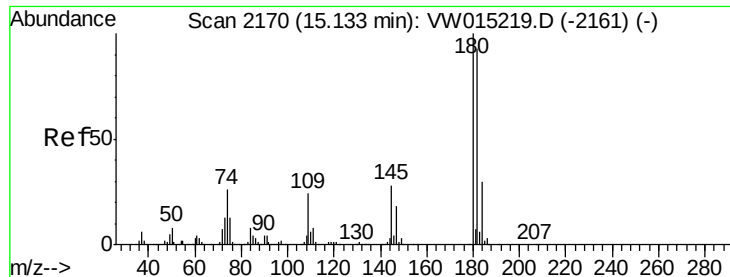
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 4/21/2020 10:01:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.983 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015221.D
 Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49430		
155	91.8		41.6	124.9
157	121.0		53.8	161.2





#93

1,2,4-Trichlorobenzene

Concen: 164.004 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Instrument :

MSVOA_W

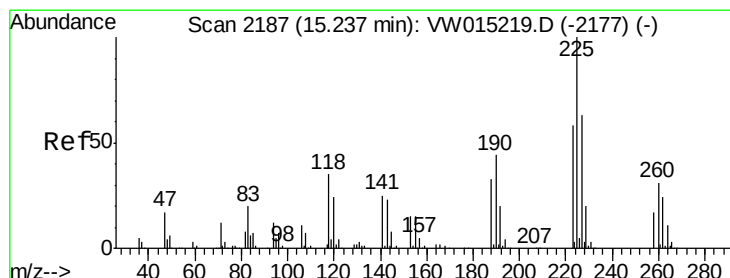
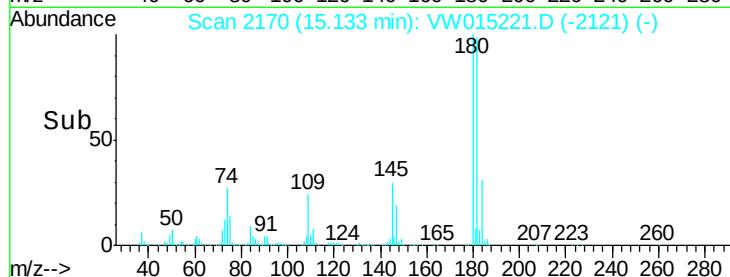
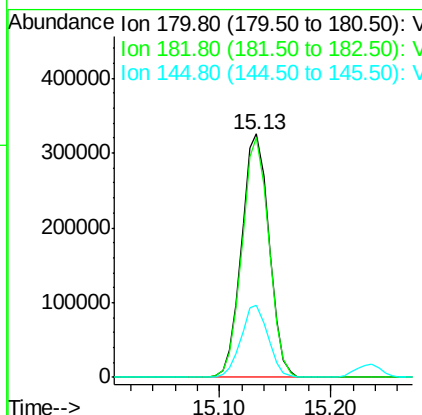
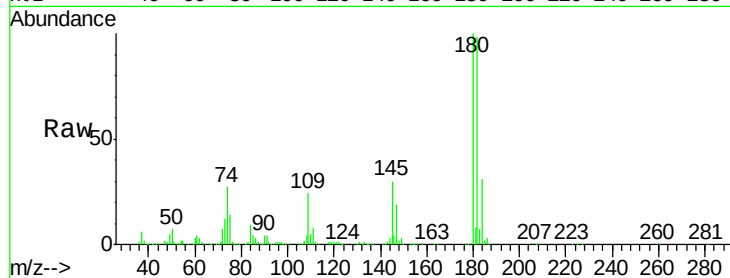
ClientSampleId :

VSTDIC150

Tot Ion:	180	Resp:	556669
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.1	141.4
145	29.4	16.2	48.6

Manual Integrations
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4/21/2020 10:01:29 AM



#94

Hexachlorobutadiene

Concen: 182.046 ug/l

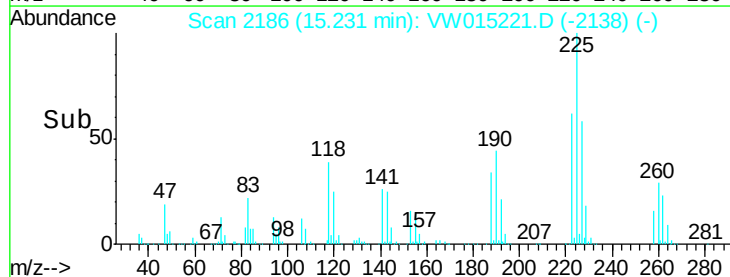
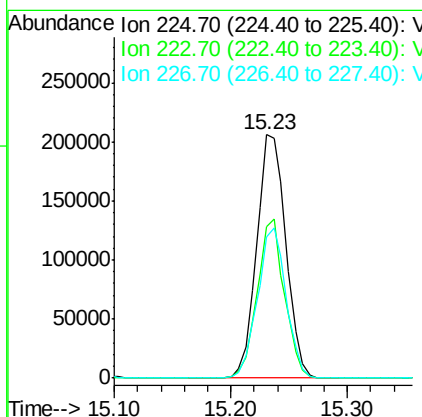
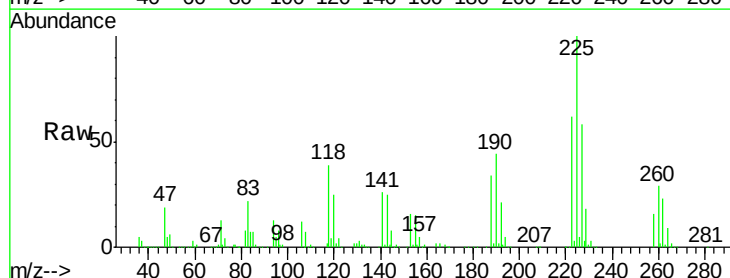
RT: 15.23 min Scan# 2186

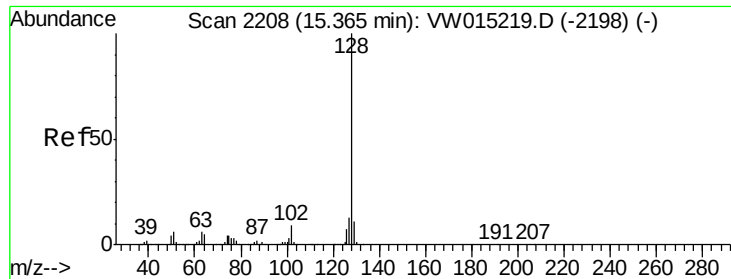
Delta R.T. -0.01 min

Lab File: VW015221.D

Acq: 20 Apr 2020 14:06

Tgt Ion:	225	Resp:	356489
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.0	93.0
227	60.6	30.8	92.3





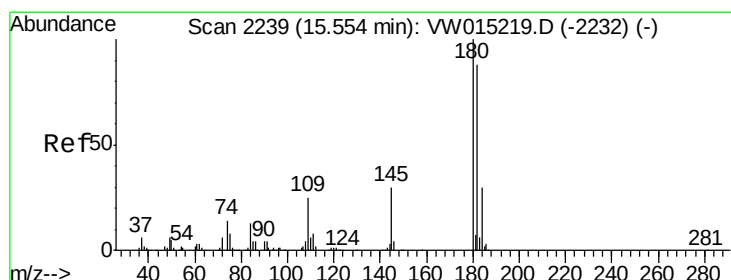
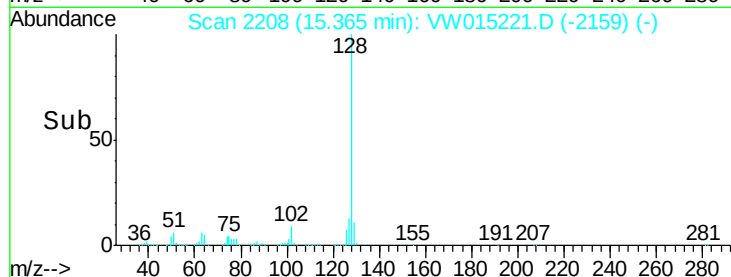
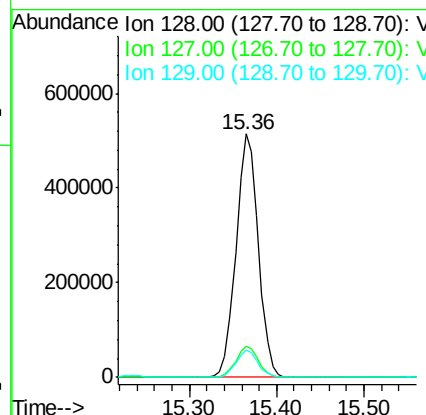
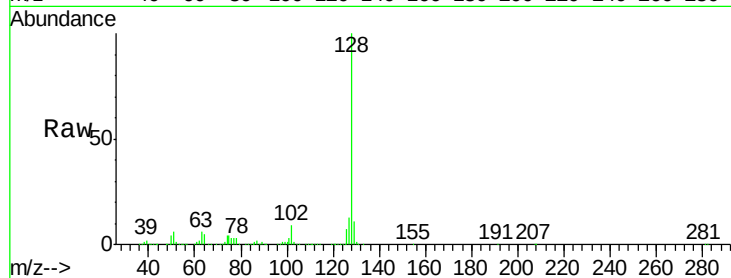
#95
Naphthalene
Concen: 139.118 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	908394		
127	12.8		10.3	15.5
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 157.433 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015221.D
Acq: 20 Apr 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	458585		
182	92.4		48.8	146.3
145	30.6		17.2	51.6

