

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015522.D
 Acq On : 02 Jun 2020 12:13
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:15 PM

Quant Time: Jun 02 13:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	48277	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
35) Dibromofluoromethane	7.88	113	42547	20.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.34%	
50) Toluene-d8	10.32	98	173442	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	
62) 4-Bromofluorobenzene	12.62	95	62216	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24626	18.769	ug/l	94
3) Chloromethane	2.21	50	30517	18.712	ug/l	98
4) Vinyl Chloride	2.37	62	51438	20.739	ug/l	99
5) Bromomethane	2.78	94	36009	18.577	ug/l	99
6) Chloroethane	2.92	64	32979	19.311	ug/l	100
7) Trichlorofluoromethane	3.26	101	36304	19.817	ug/l	98
8) Diethyl Ether	3.68	74	22470	19.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	46346	21.694	ug/l	98
10) Methyl Iodide	4.27	142	67247	20.819	ug/l	99
11) Tert butyl alcohol	5.18	59	17962	118.654	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	45454	20.625	ug/l	99
13) Acrolein	3.89	56	15880	89.374	ug/l	97
14) Allyl chloride	4.67	41	76563	19.848	ug/l	99
15) Acrylonitrile	5.37	53	45681	96.412	ug/l	100
16) Acetone	4.12	43	44280	102.496	ug/l	96
17) Carbon Disulfide	4.38	76	136181	20.246	ug/l	100
18) Methyl Acetate	4.67	43	21412	20.259	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	69804	19.524	ug/l	98
20) Methylene Chloride	4.92	84	50361	19.677	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	51364	20.478	ug/l	99
22) Diisopropyl ether	6.32	45	145763	19.347	ug/l	99
23) Vinyl Acetate	6.26	43	424302	92.178	ug/l	97
24) 1,1-Dichloroethane	6.21	63	92128	20.358	ug/l	99
25) 2-Butanone	7.18	43	61867	97.618	ug/l	97
26) 2,2-Dichloropropane	7.16	77	63960	21.247	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55782	20.420	ug/l	98
28) Bromochloromethane	7.51	49	34231	19.049	ug/l	100
29) Tetrahydrofuran	7.54	42	38197	94.309	ug/l	98
30) Chloroform	7.68	83	92713	20.572	ug/l	99
31) Cyclohexane	7.96	56	88973	19.584	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80265	21.210	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76598	21.601	ug/l	98
37) Ethyl Acetate	7.26	43	28620	20.495	ug/l	99
38) Carbon Tetrachloride	8.07	117	74697	22.267	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93414	20.802	ug/l	99
40) Benzene	8.32	78	205171	21.127	ug/l	98
41) Methacrylonitrile	7.49	41	16599	18.638	ug/l	97
42) 1,2-Dichloroethane	8.40	62	62672	21.066	ug/l	99
43) Isopropyl Acetate	8.43	43	57049	19.411	ug/l	99
44) Trichloroethene	9.10	130	54138	21.477	ug/l	94
45) 1,2-Dichloropropane	9.37	63	49784	20.741	ug/l	99
46) Dibromomethane	9.46	93	25014	20.699	ug/l	99
47) Bromodichloromethane	9.65	83	68890	21.100	ug/l	99
48) Methyl methacrylate	9.44	41	25468	18.845	ug/l	98
49) 1,4-Dioxane	9.45	88	6347	405.733	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	134119	97.245	ug/l	98
52) Toluene	10.39	92	132654	21.067	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	66089	19.817	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78596	20.121	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35321	20.715	ug/l	99
56) Ethyl methacrylate	10.65	69	43810	18.811	ug/l	98
57) 1,3-Dichloropropane	10.93	76	62033	20.322	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	108881	98.211	ug/l	100
59) 2-Hexanone	10.97	43	91458	96.922	ug/l	99
60) Dibromochloromethane	11.13	129	42754	20.806	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33205	20.544	ug/l	99
64) Tetrachloroethene	10.86	164	44801	22.273	ug/l	92
65) Chlorobenzene	11.66	112	138342	21.361	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48719	21.173	ug/l	99
67) Ethyl Benzene	11.73	91	260195	21.035	ug/l	100
68) m/p-Xylenes	11.84	106	196687	42.712	ug/l	99
69) o-Xylene	12.17	106	88800	20.552	ug/l	98
70) Styrene	12.18	104	152055	20.442	ug/l	99
71) Bromoform	12.35	173	22822	20.253	ug/l #	99
73) Isopropylbenzene	12.46	105	254597	20.625	ug/l	100
74) N-amyl acetate	12.27	43	53485	18.289	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38624	19.805	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	27840m	20.726	ug/l	
77) Bromobenzene	12.75	156	54254	20.595	ug/l	98
78) n-propylbenzene	12.80	91	303901	20.548	ug/l	99
79) 2-Chlorotoluene	12.89	91	172076	20.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	216359	20.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12436	17.999	ug/l	98
82) 4-Chlorotoluene	12.99	91	179723	20.390	ug/l	100
83) tert-Butylbenzene	13.21	119	184283	20.827	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	216113	20.818	ug/l	99
85) sec-Butylbenzene	13.38	105	263754	21.157	ug/l	99
86) p-Isopropyltoluene	13.50	119	241517	21.243	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108699	20.869	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	107968	20.845	ug/l	95
89) n-Butylbenzene	13.82	91	230690	20.835	ug/l	100
90) Hexachloroethane	14.10	117	43840	20.884	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	95363	20.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6737	19.772	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67619	22.116	ug/l	98
94) Hexachlorobutadiene	15.24	225	40335	22.278	ug/l	99
95) Naphthalene	15.36	128	110436	20.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56030	21.281	ug/l	99

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

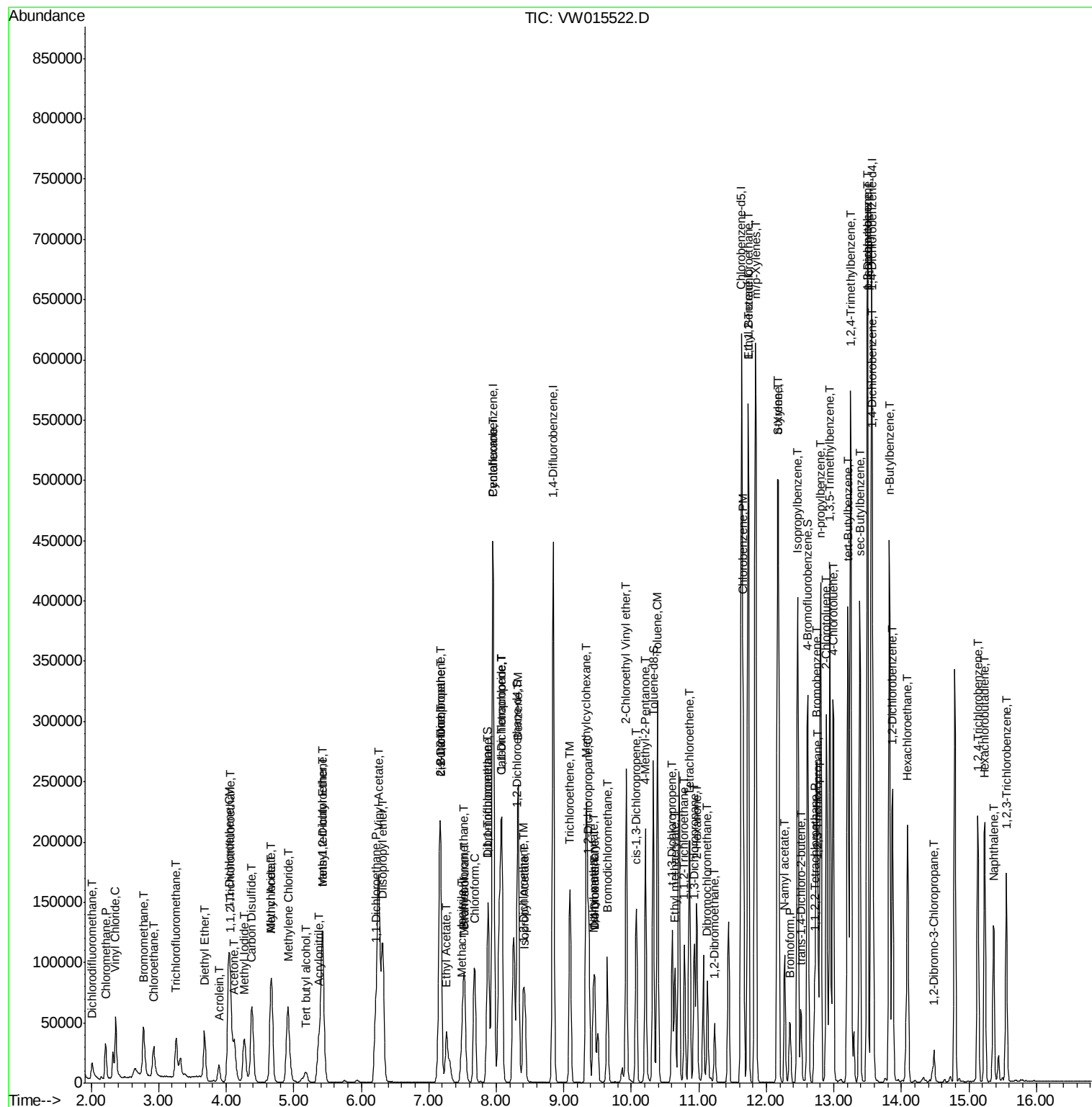
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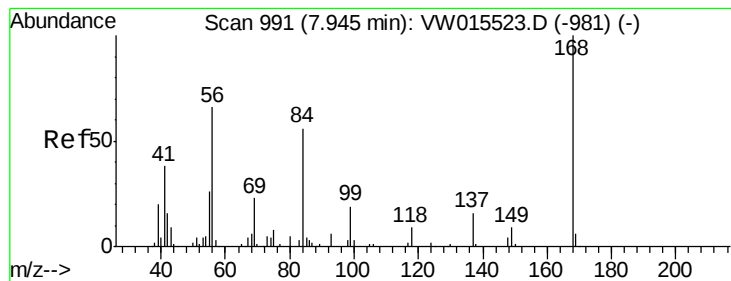
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 226375

Ion Ratio Lower Upper

168 100

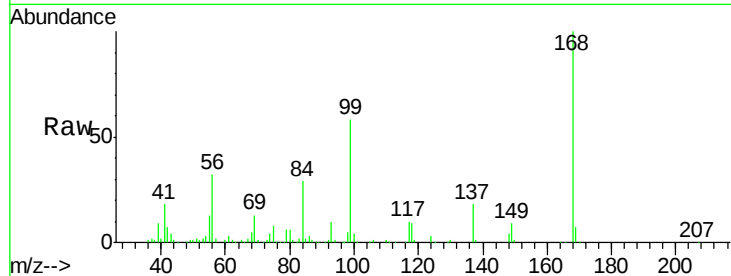
99 58.3 48.6 73.0

Manual Integrations

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6/2/2020 4:00:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

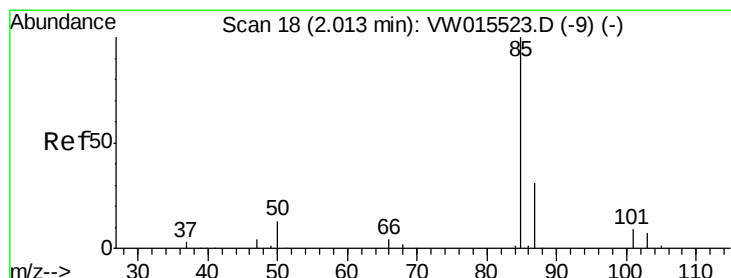
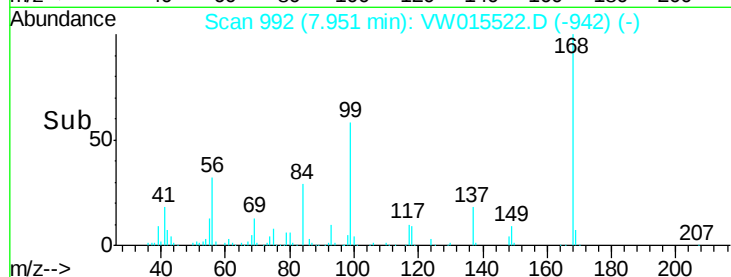
40000

20000

0

7.90 7.95 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.769 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015522.D

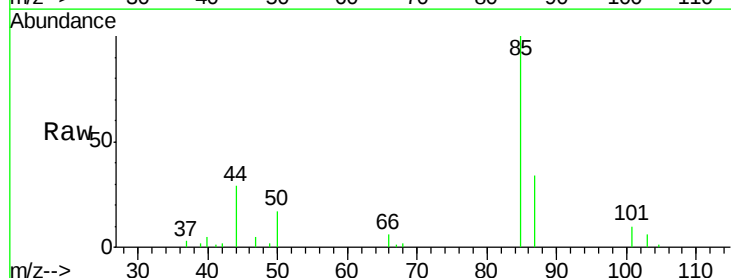
Acq: 02 Jun 2020 12:13

Tgt Ion: 85 Resp: 24626

Ion Ratio Lower Upper

85 100

87 34.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

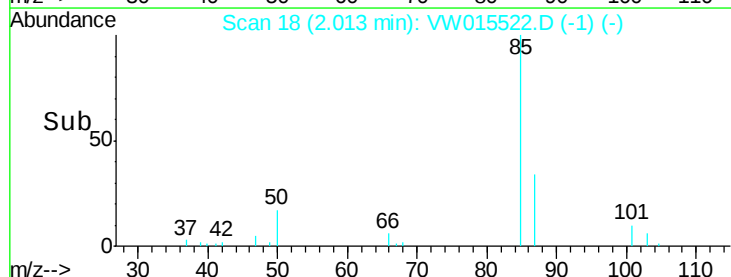
4000

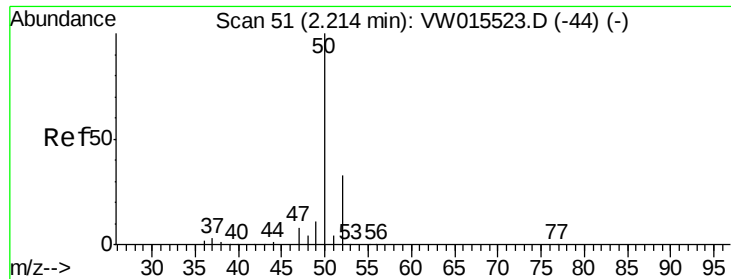
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.712 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30517

Ion Ratio Lower Upper

50 100

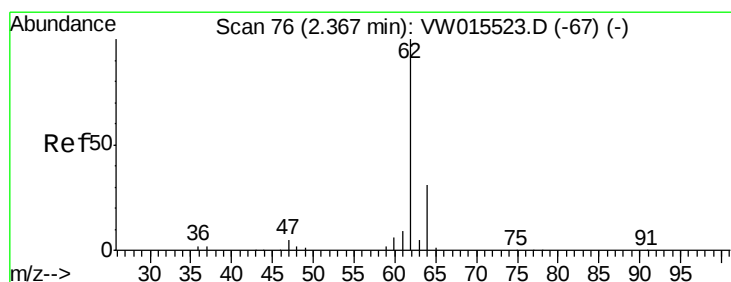
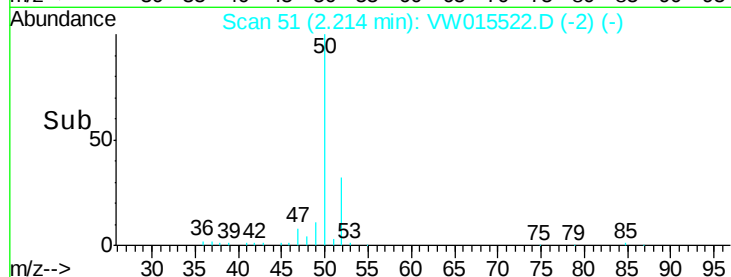
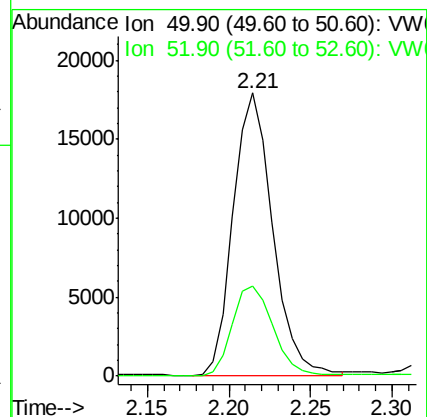
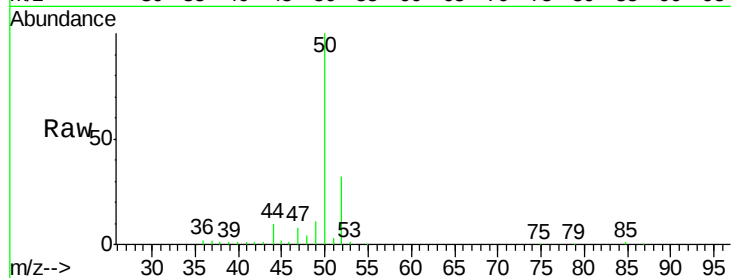
52 31.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.739 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015522.D

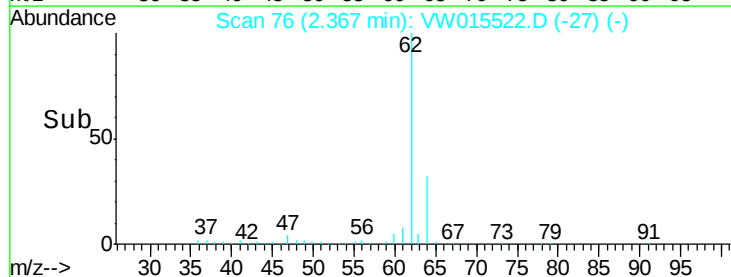
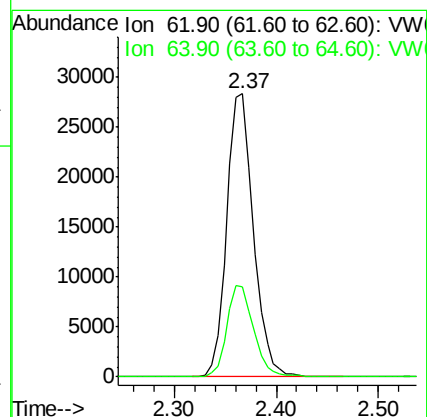
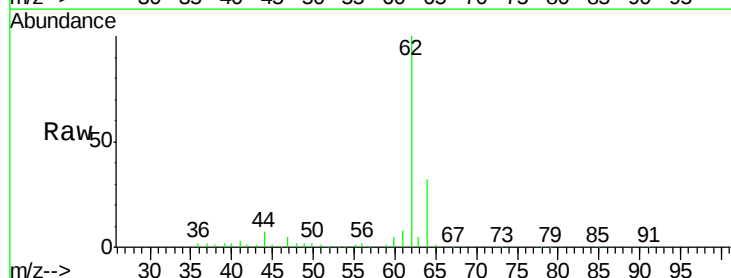
Acq: 02 Jun 2020 12:13

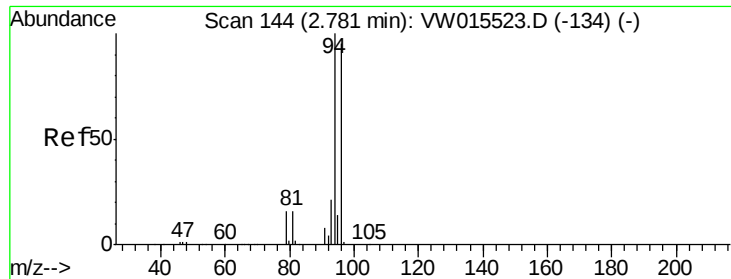
Tgt Ion: 62 Resp: 51438

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 18.577 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 36009

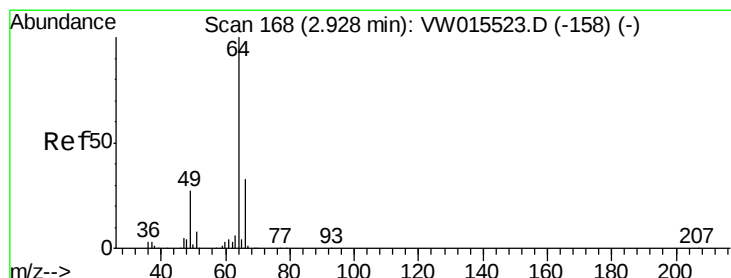
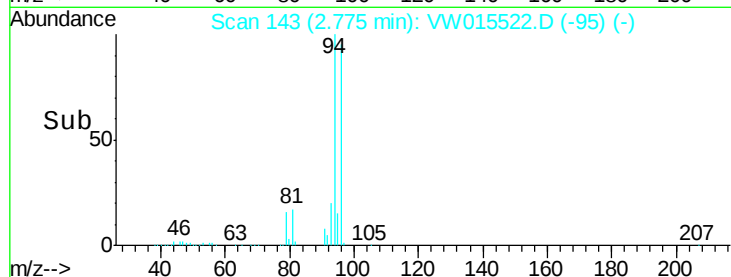
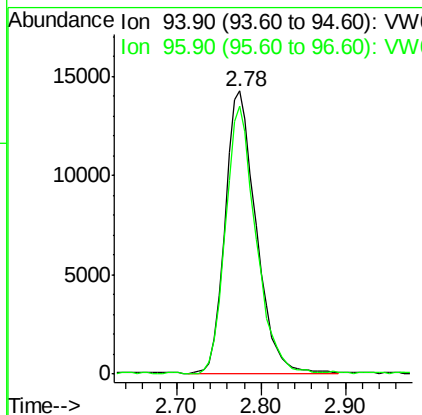
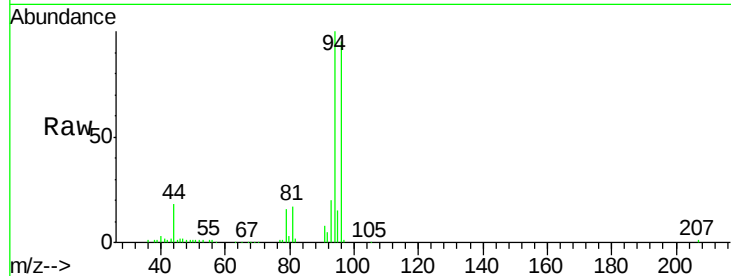
Ion Ratio Lower Upper

94 100

96 94.2 76.0 114.0

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#6

Chloroethane

Concen: 19.311 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015522.D

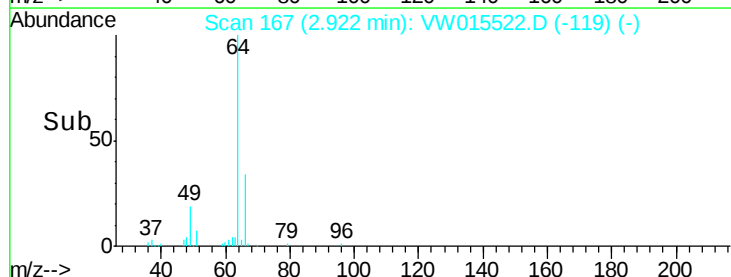
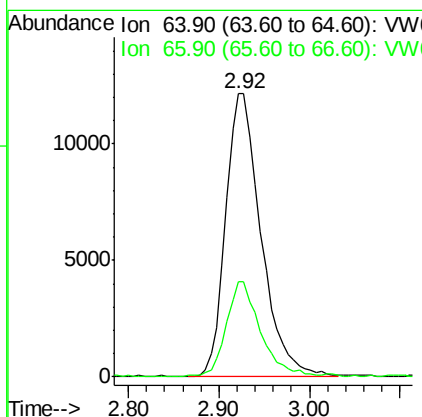
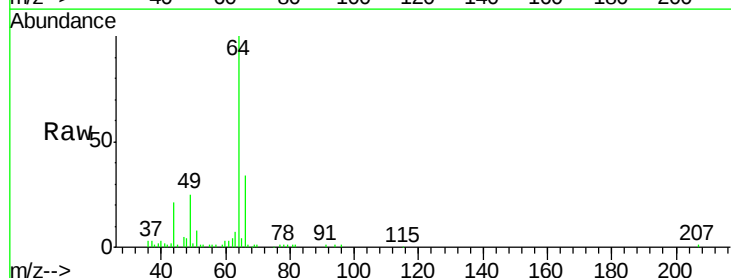
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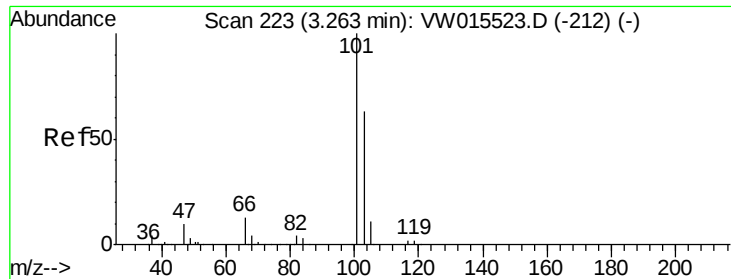
Tgt Ion: 64 Resp: 32979

Ion Ratio Lower Upper

64 100

66 33.3 26.8 40.2





#7

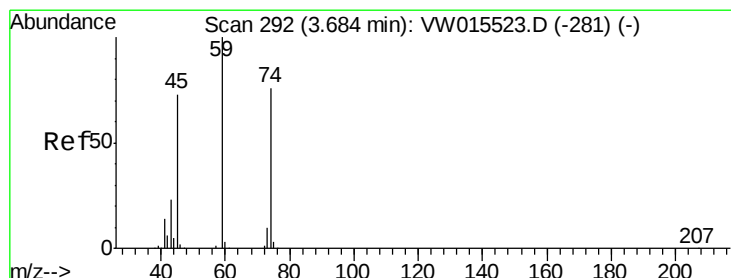
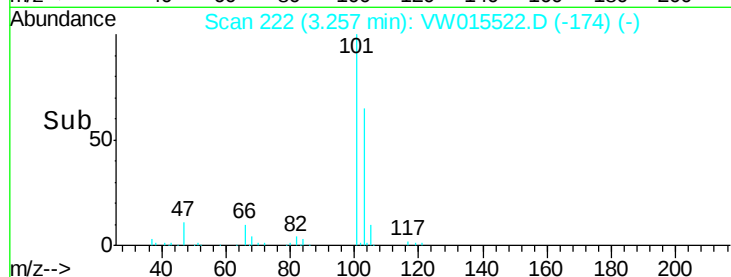
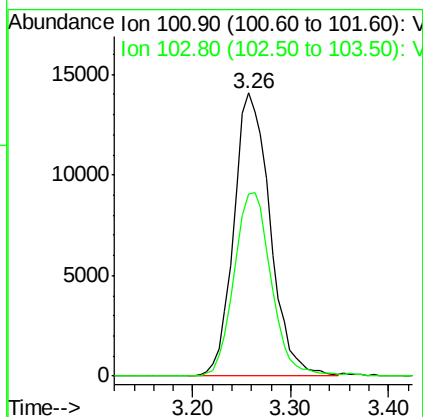
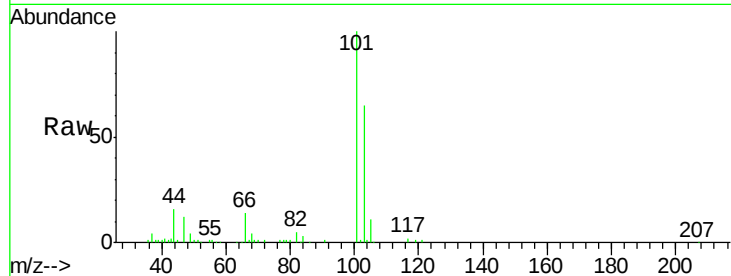
Trichlorofluoromethane
 Concen: 19.817 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015522.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.2	75.2

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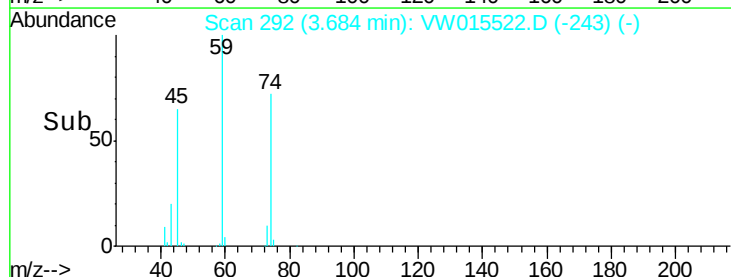
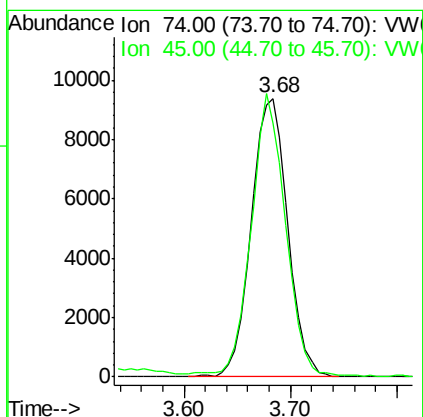
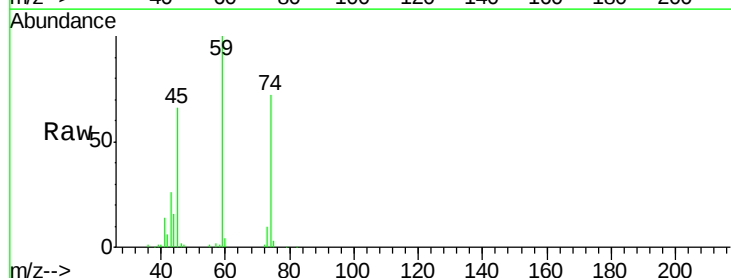
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 6/2/2020 4:00:15 PM

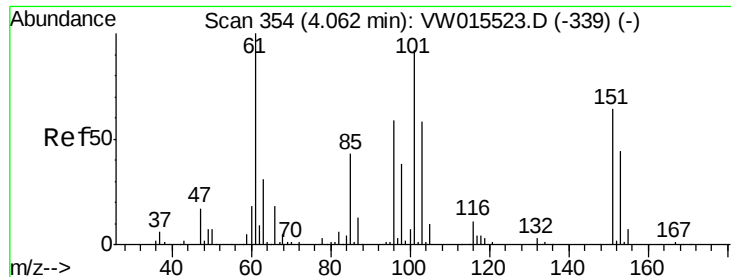


#8

Diethyl Ether
 Concen: 19.468 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW015522.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.694 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

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MSVOA_W

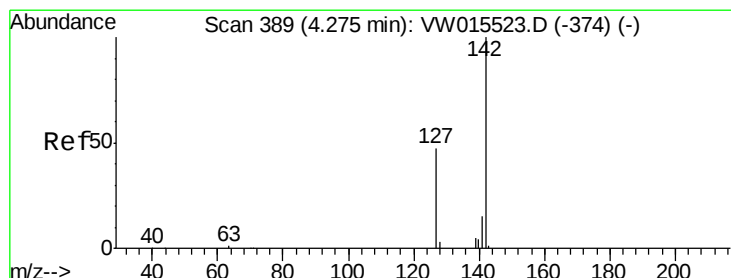
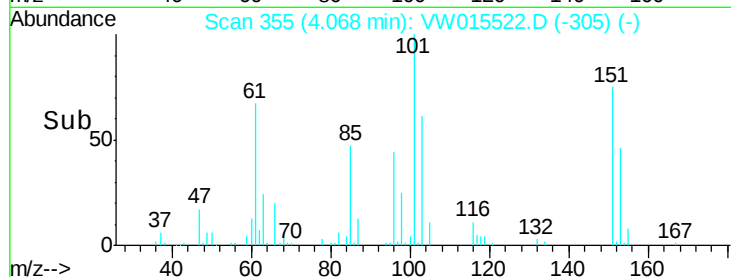
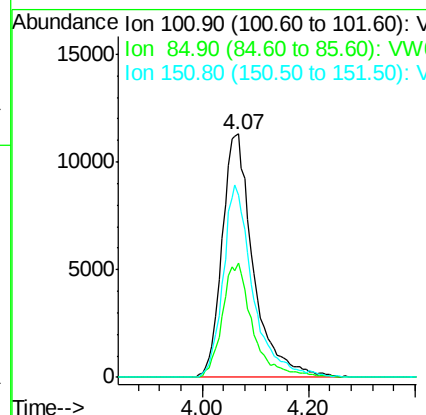
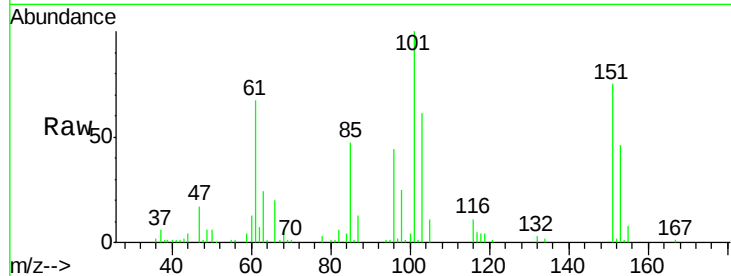
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	46346
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.6
151	74.5	61.1	91.7

Manual Integrations
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MMDadoda
6/2/2020 4:00:15 PM



#10

Methyl Iodide

Concen: 20.819 ug/l

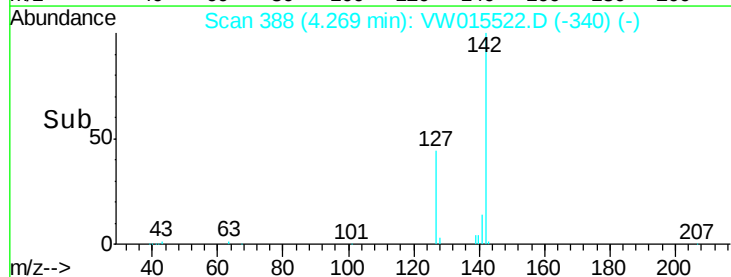
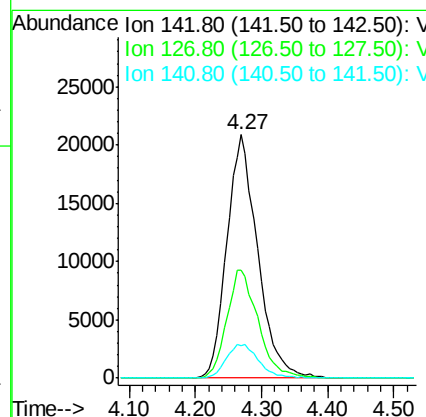
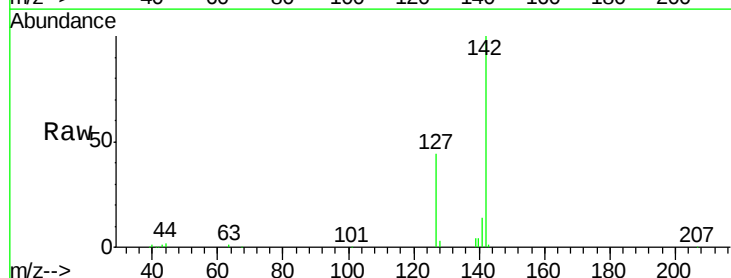
RT: 4.27 min Scan# 388

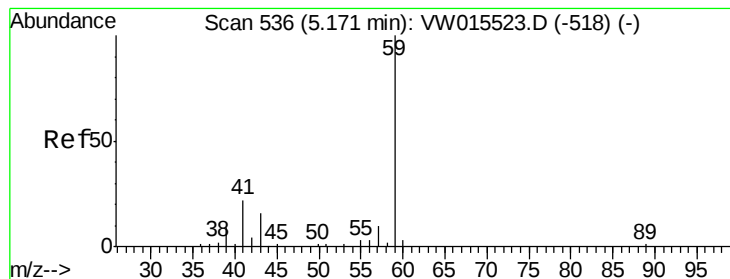
Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	142	Resp:	67247
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.9	55.3
141	14.5	11.7	17.5





#11

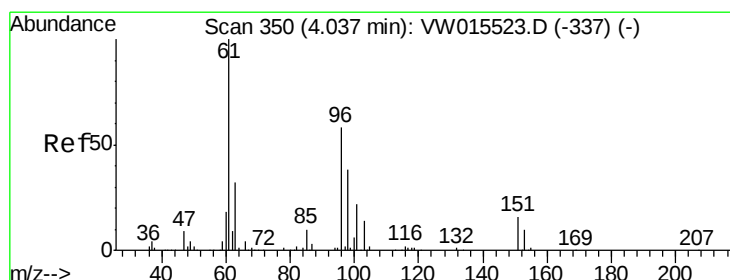
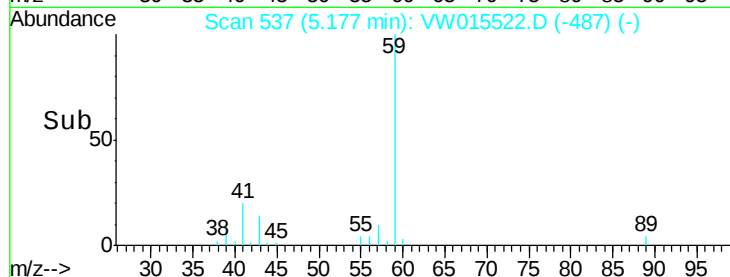
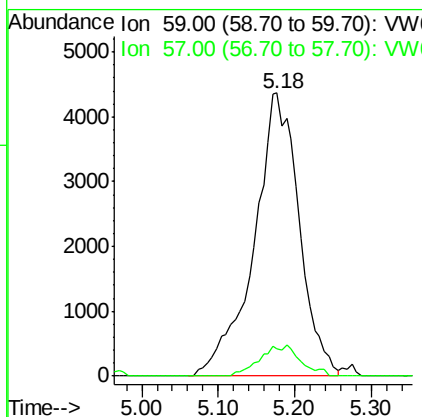
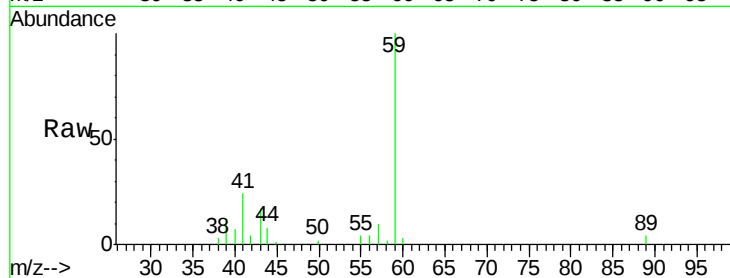
Tert butyl alcohol
 Concen: 118.654 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.3	12.5#

Manual Integrations
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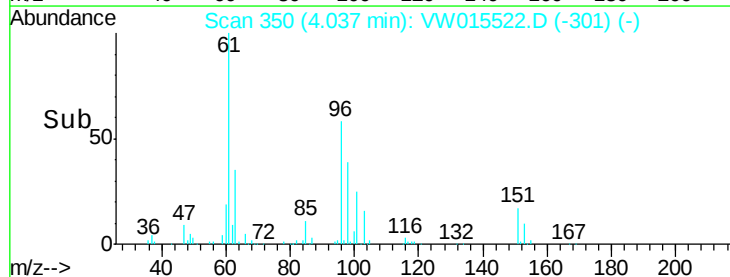
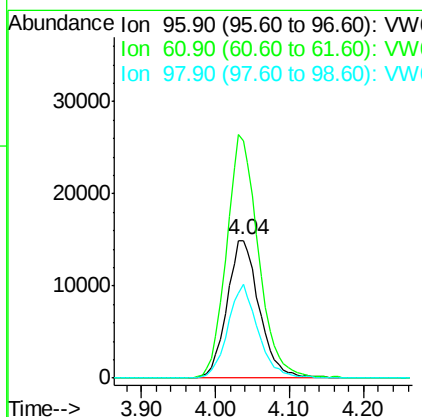
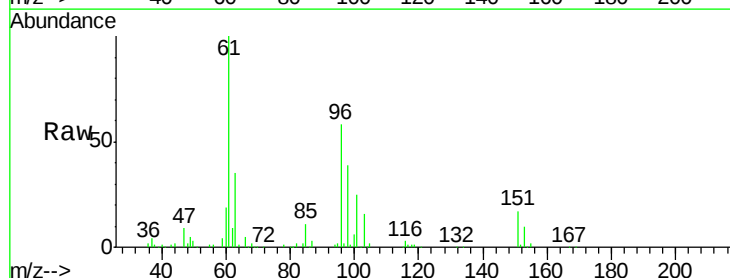
MMDadoda
 6/2/2020 4:00:15 PM

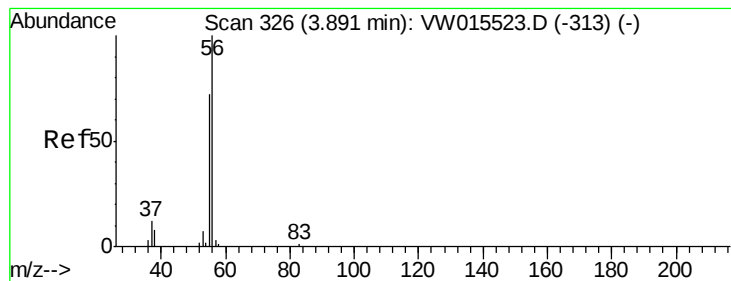


#12

1,1-Dichloroethene
 Concen: 20.625 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	138.3	207.5
98	67.9	52.2	78.4





#13

Acrolein

Concen: 89.374 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 15880

Ion Ratio Lower Upper

56 100

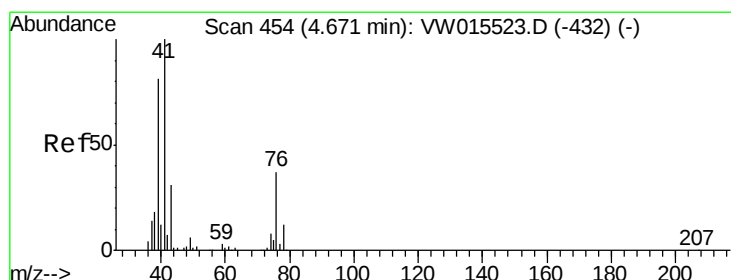
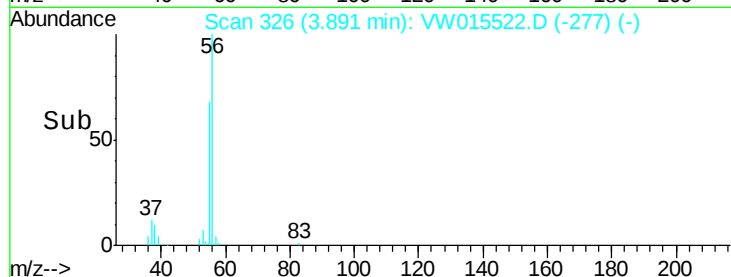
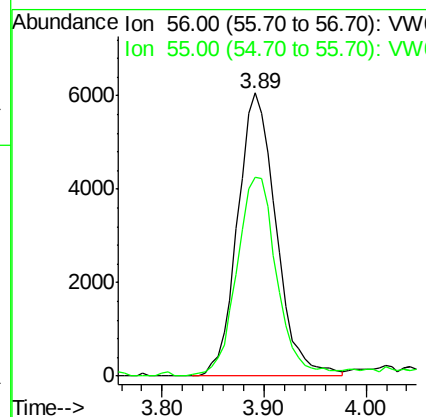
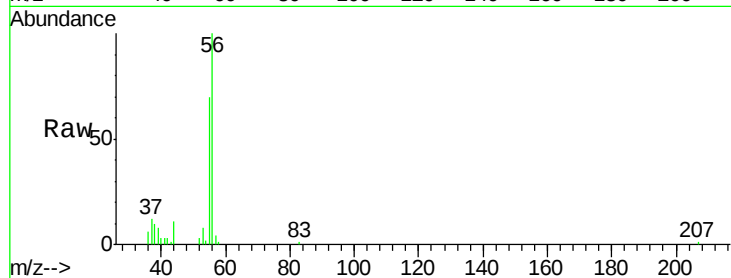
55 73.4 56.5 84.7

Manual Integrations

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MMDadoda

6/2/2020 4:00:15 PM



#14

Allyl chloride

Concen: 19.848 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

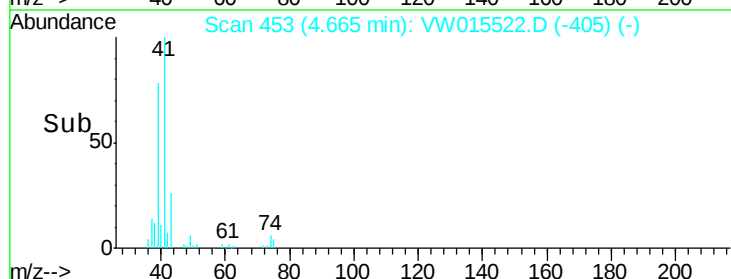
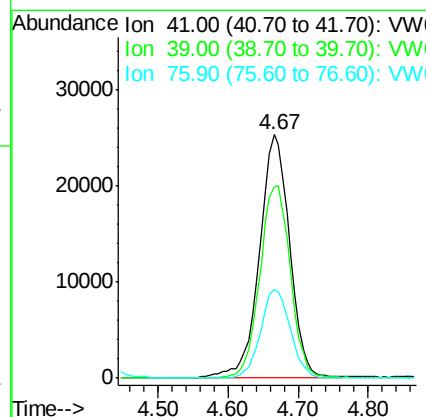
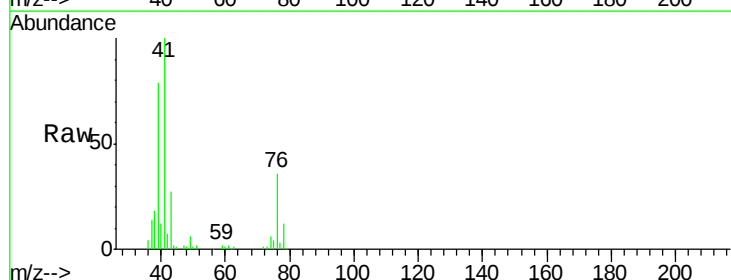
Tgt Ion: 41 Resp: 76563

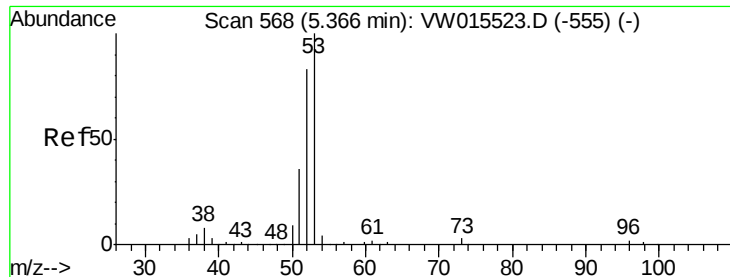
Ion Ratio Lower Upper

41 100

39 79.8 63.1 94.7

76 35.6 28.6 43.0





#15

Acrylonitrile

Concen: 96.412 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

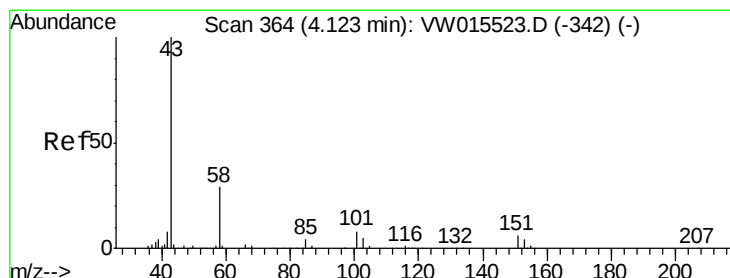
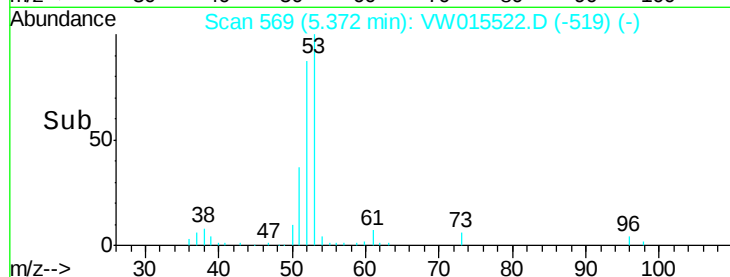
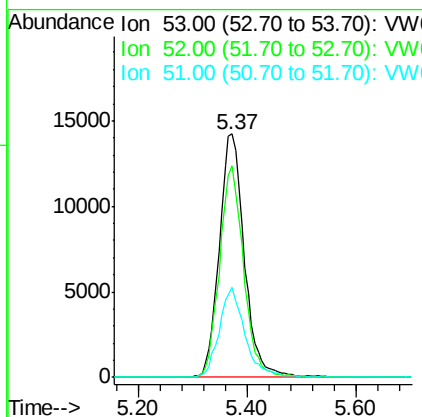
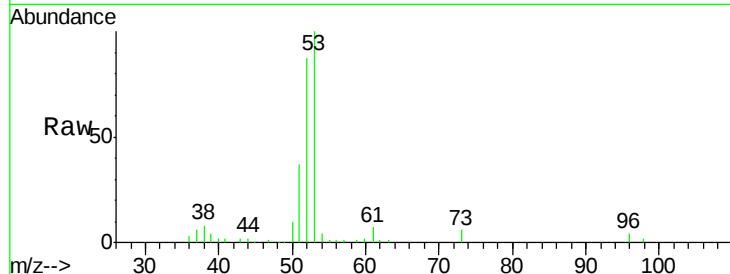
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	45681
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.4	30.2	45.4

Manual Integrations
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MMDadoda
6/2/2020 4:00:15 PM



#16

Acetone

Concen: 102.496 ug/l

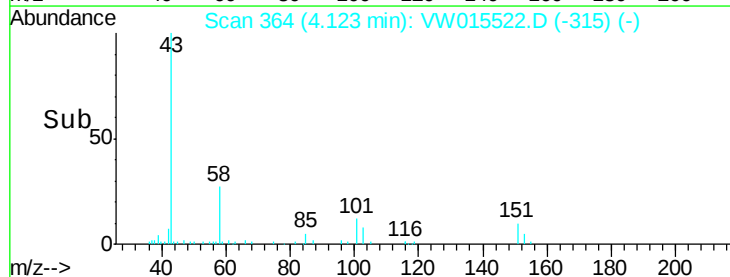
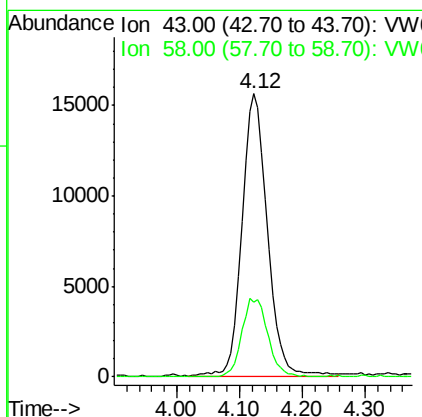
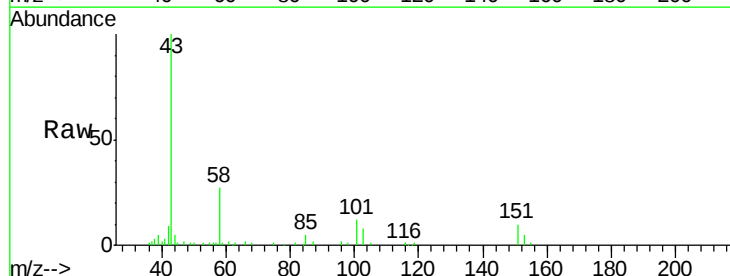
RT: 4.12 min Scan# 364

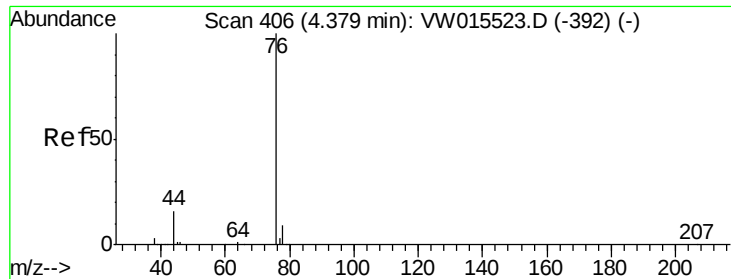
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	43	Resp:	44280
Ion	Ratio	Lower	Upper
43	100		
58	26.6	23.1	34.7





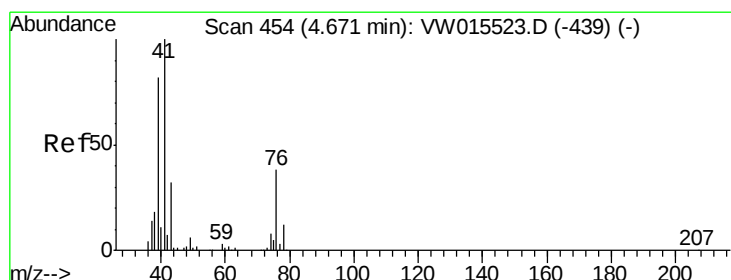
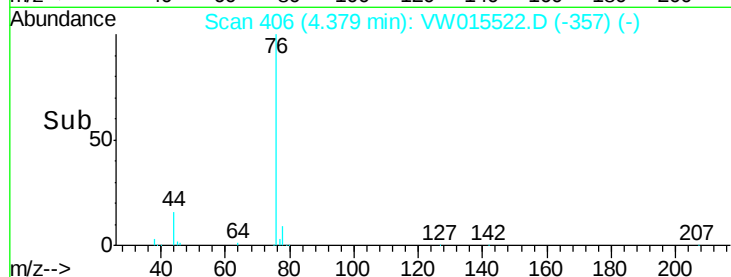
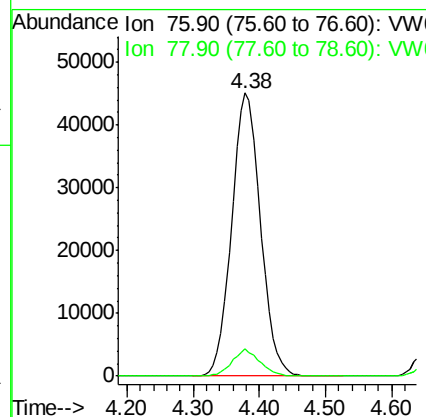
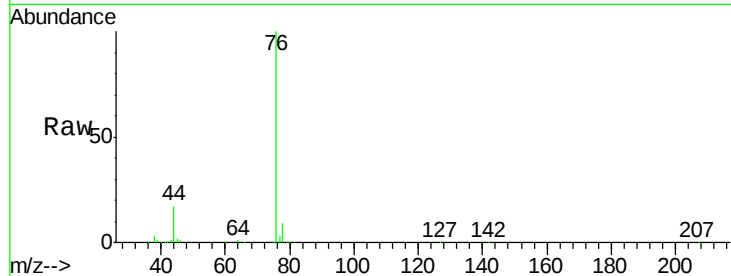
#17
Carbon Disulfide
Concen: 20.246 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

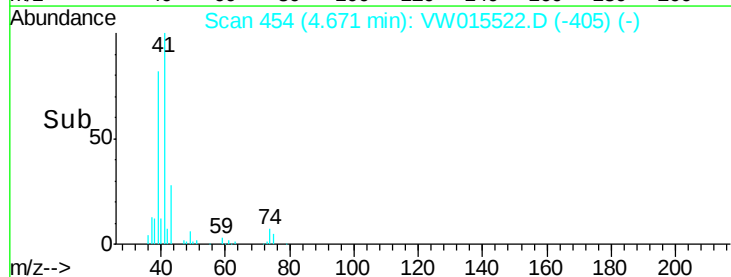
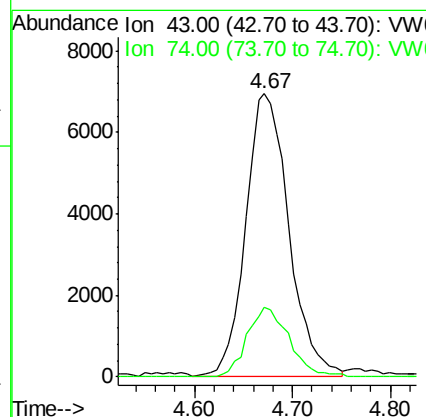
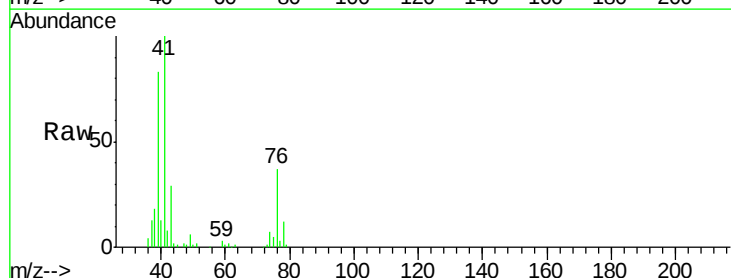
Manual Integrations
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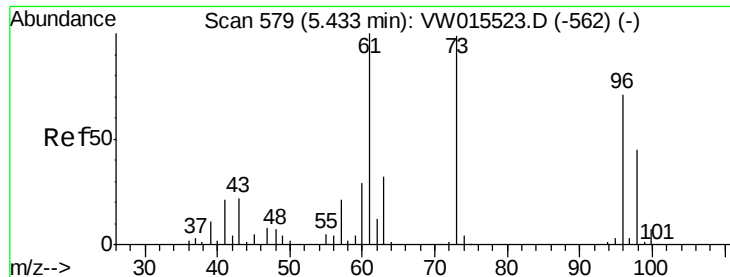
MMDadoda
6/2/2020 4:00:15 PM



#18
Methyl Acetate
Concen: 20.259 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.8	28.2





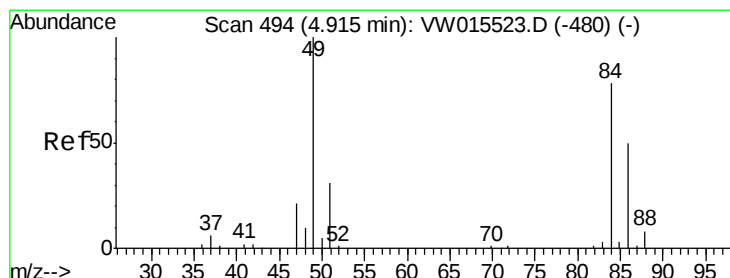
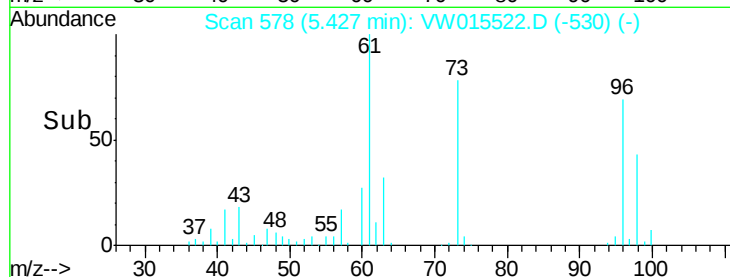
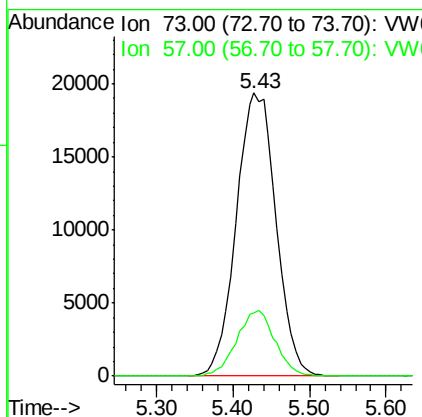
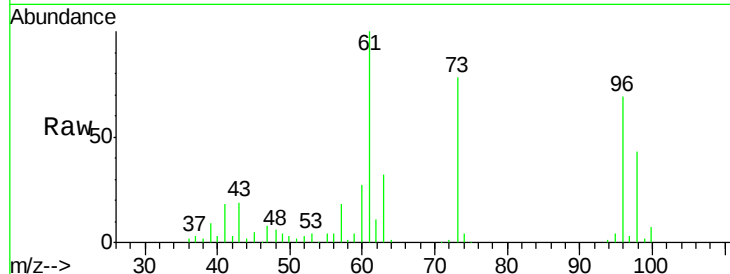
#19
Methvl tert-butvl Ether
Concen: 19.524 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 69804
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

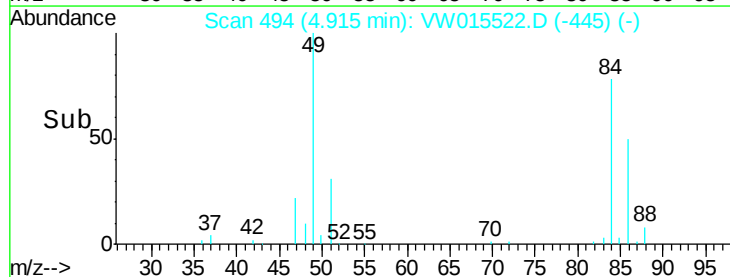
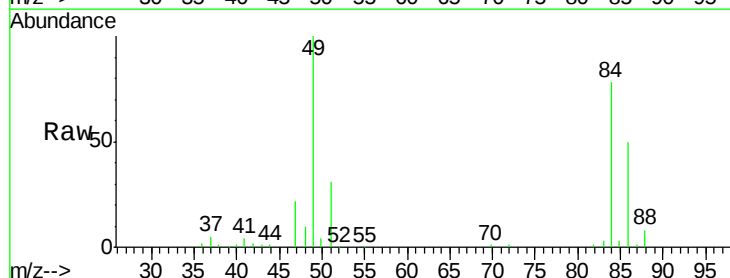
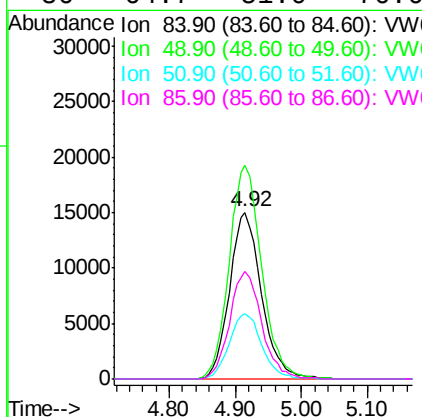
Manual Integrations
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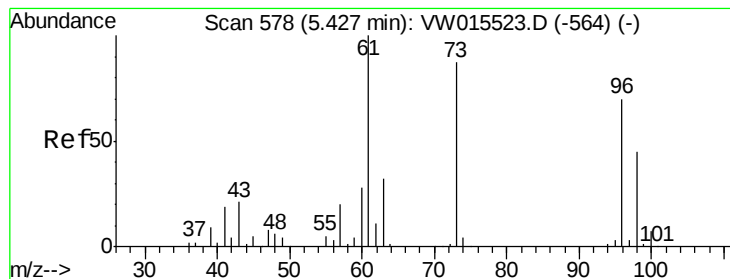
MMDadoda
6/2/2020 4:00:15 PM



#20
Methylene Chloride
Concen: 19.677 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 84 Resp: 50361
Ion Ratio Lower Upper
84 100
49 128.3 102.8 154.2
51 39.5 31.4 47.2
86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.478 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

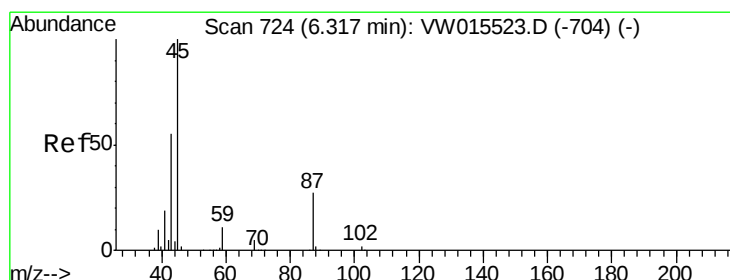
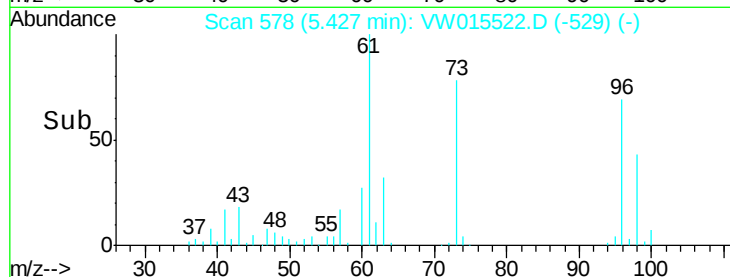
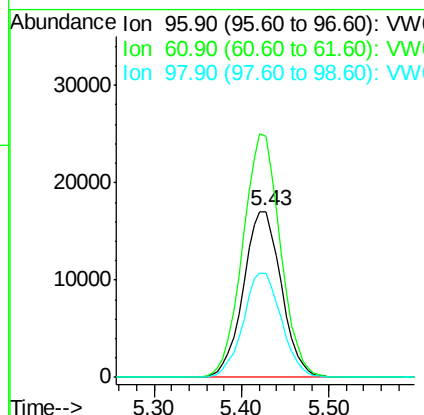
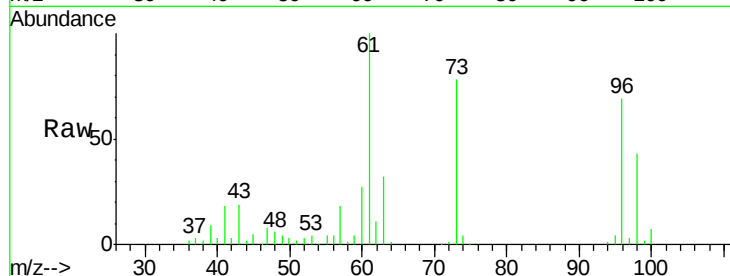
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	51364
Ion	Ratio	Lower	Upper
96	100		
61	145.0	114.3	171.5
98	63.0	51.0	76.4

Manual Integrations
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MMDadoda
6/2/2020 4:00:15 PM



#22

Diisopropyl ether

Concen: 19.347 ug/l

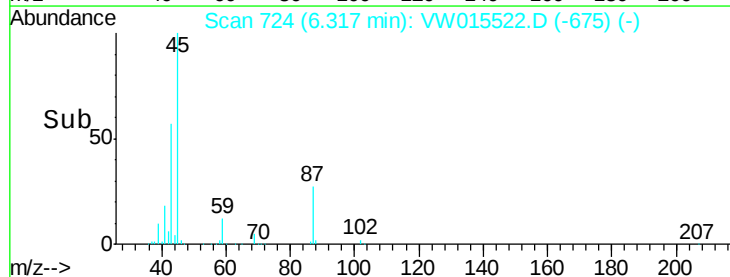
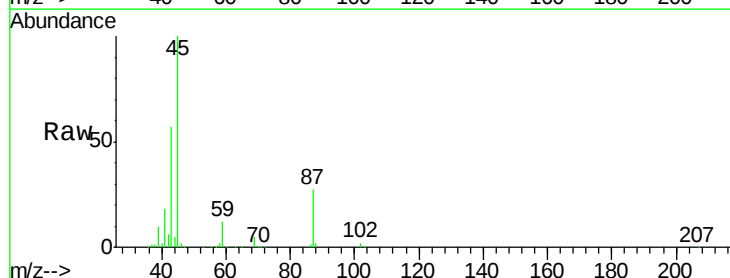
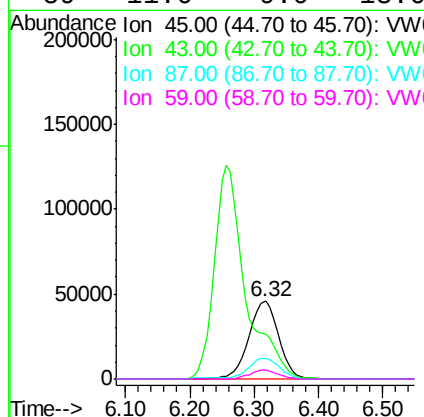
RT: 6.32 min Scan# 724

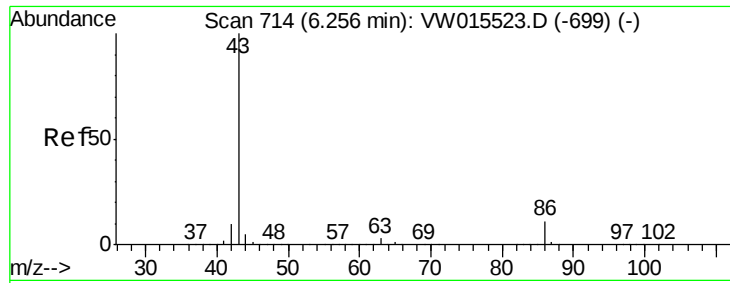
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	45	Resp:	145763
Ion	Ratio	Lower	Upper
45	100		
43	56.3	44.1	66.1
87	26.9	21.8	32.8
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 92.178 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 424302

Ion Ratio Lower Upper

43 100

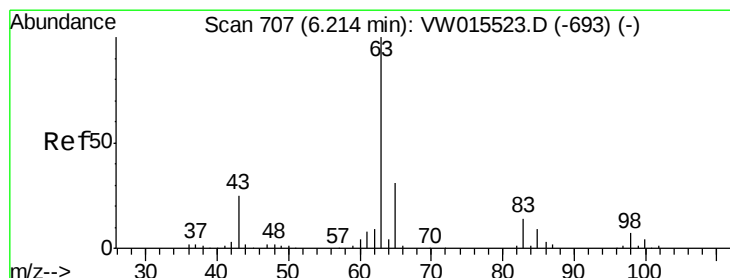
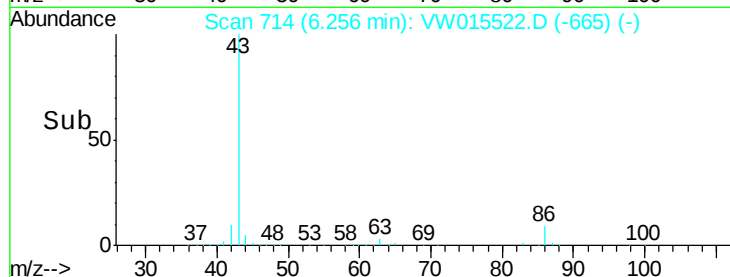
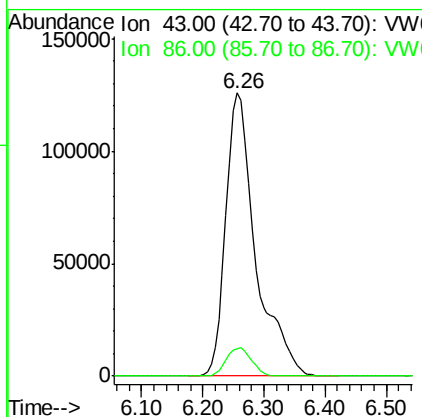
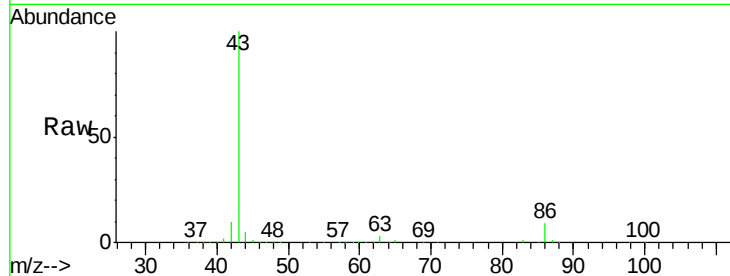
86 9.5 8.6 12.8

Manual Integrations

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MMDadoda

6/2/2020 4:00:15 PM



#24

1,1-Dichloroethane

Concen: 20.358 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

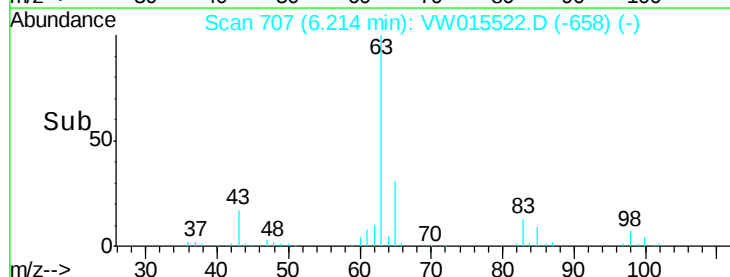
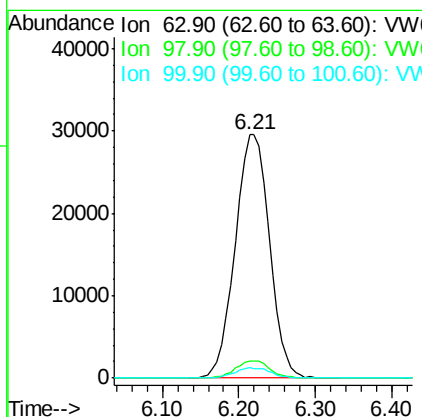
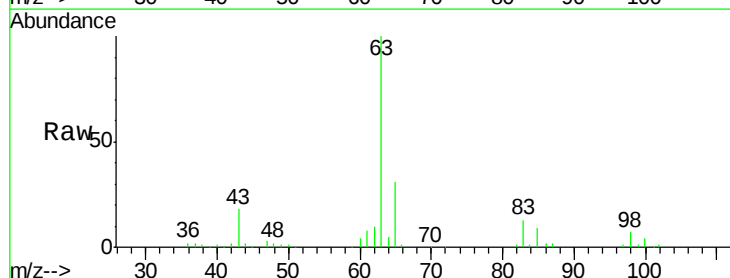
Tgt Ion: 63 Resp: 92128

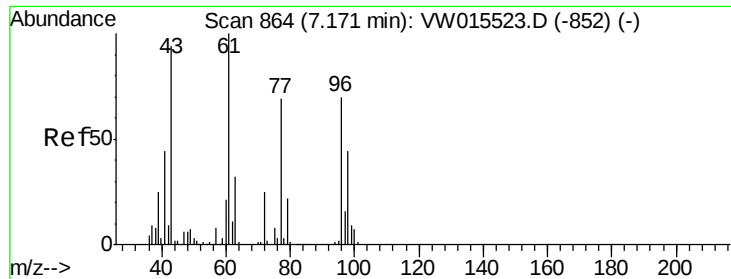
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 2.2 6.6





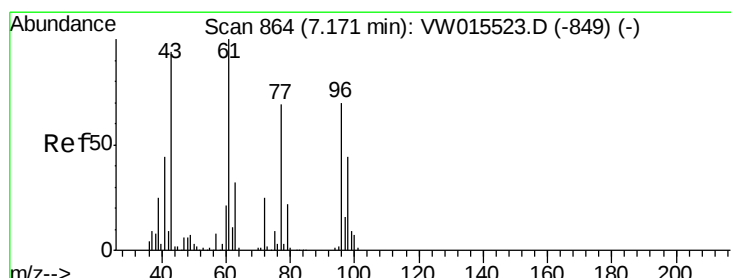
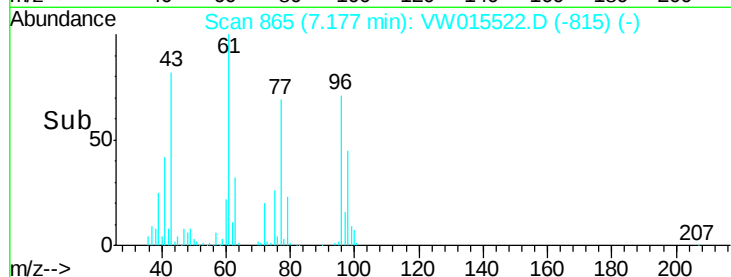
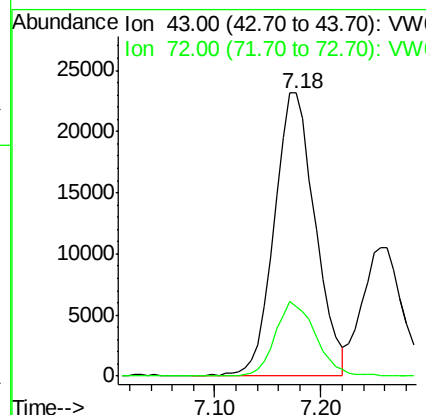
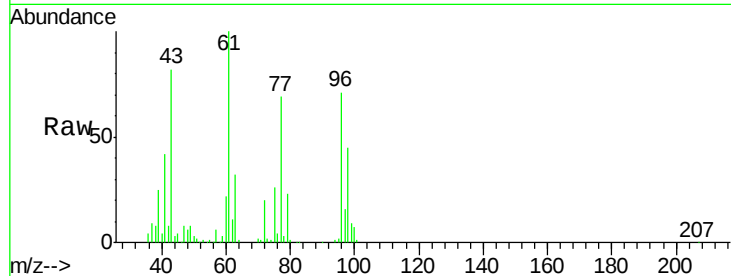
#25
2-Butanone
Concen: 97.618 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 61867
Ion Ratio Lower Upper
43 100
72 24.6 21.0 31.4

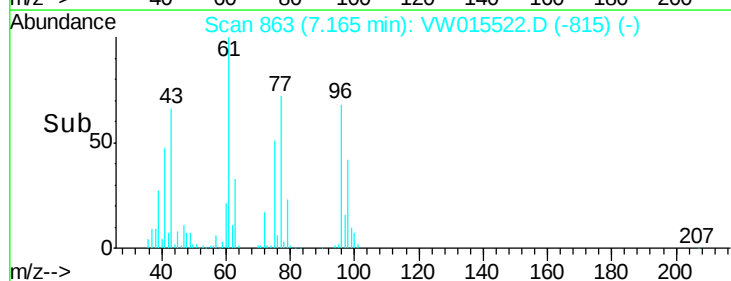
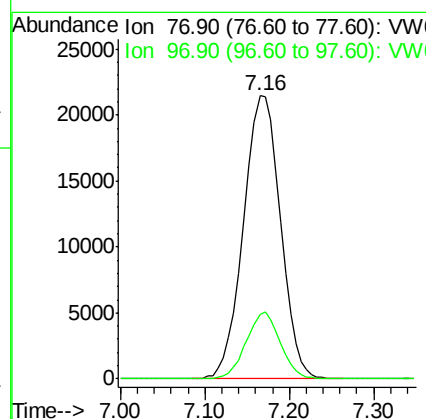
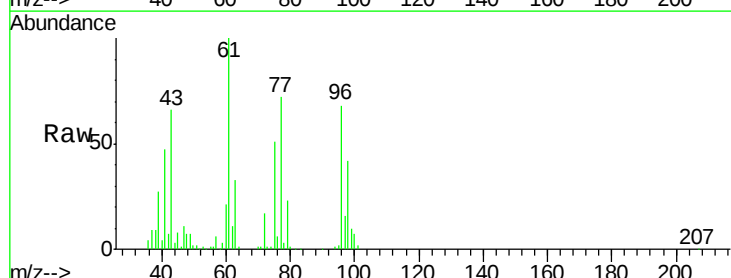
Manual Integrations
APPROVED

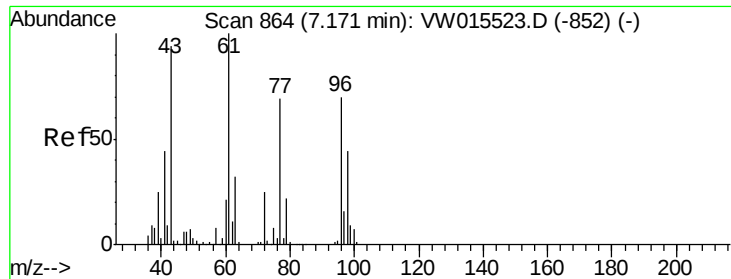
MMDadoda
6/2/2020 4:00:15 PM



#26
2,2-Dichloropropane
Concen: 21.247 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 77 Resp: 63960
Ion Ratio Lower Upper
77 100
97 21.7 11.1 33.3





#27

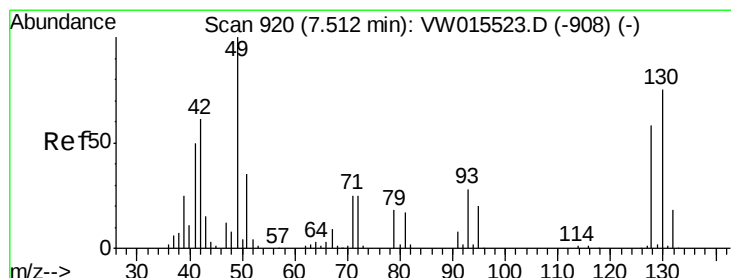
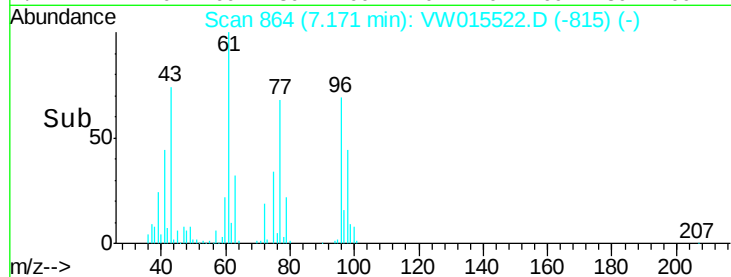
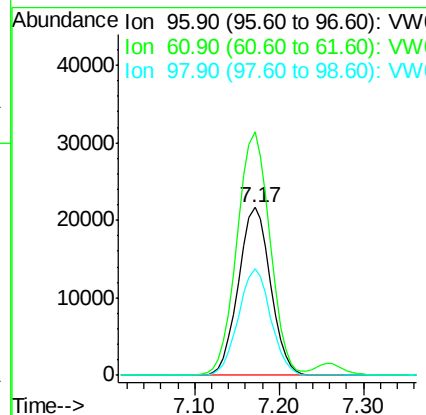
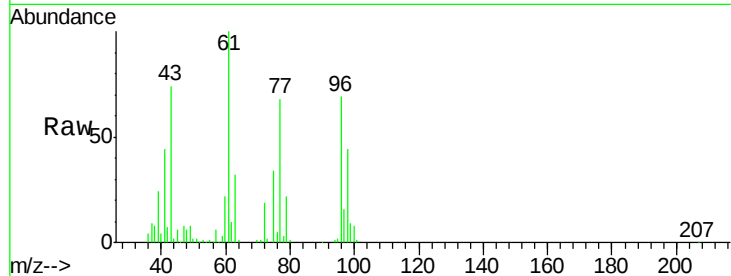
cis-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	293.0
98	63.4	0.0	127.2

Manual Integrations
APPROVED

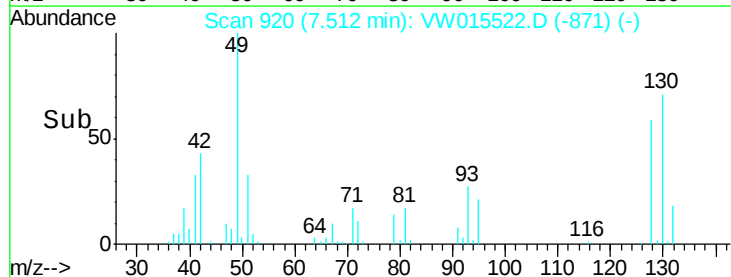
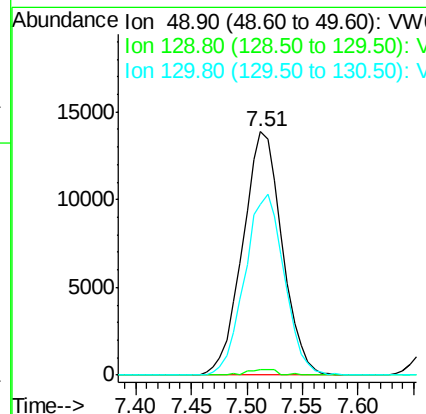
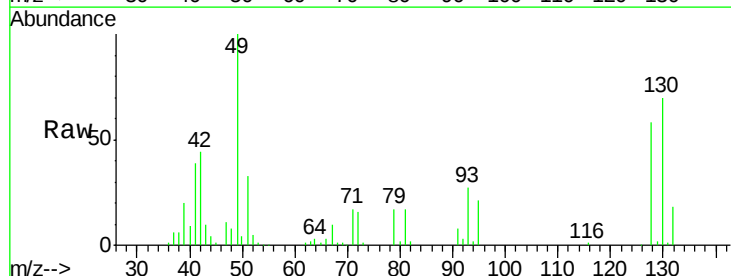
MMDadoda
6/2/2020 4:00:15 PM

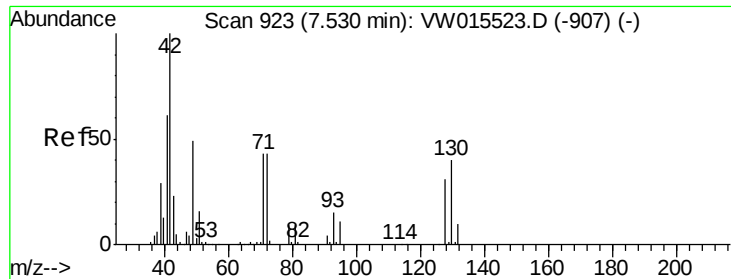


#28

Bromochloromethane
Concen: 19.049 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	74.2	59.7	89.5





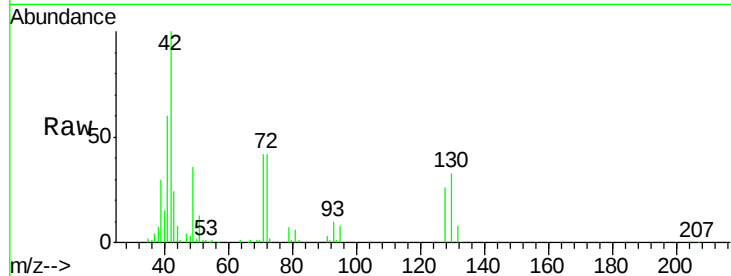
#29
Tetrahydrofuran
Concen: 94.309 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

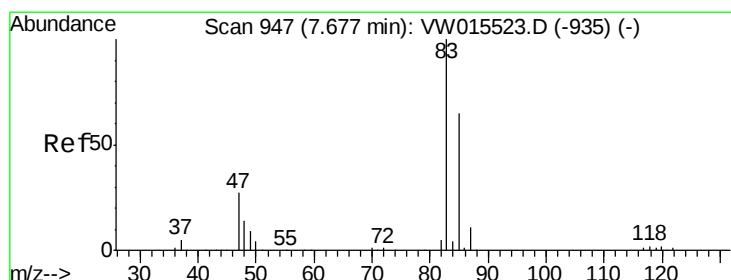
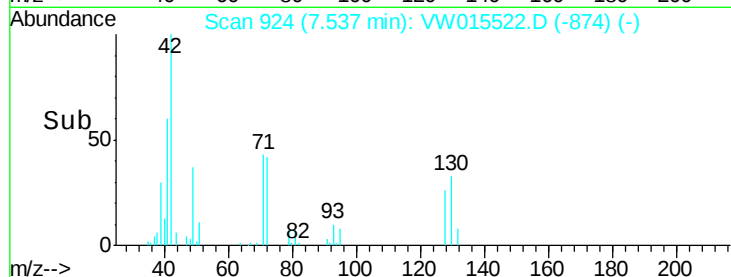
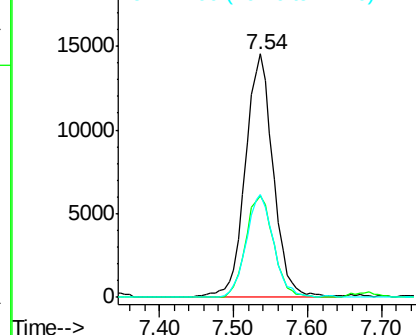
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.8	52.2
71	41.3	33.3	49.9

Manual Integrations
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MMDadoda
6/2/2020 4:00:15 PM

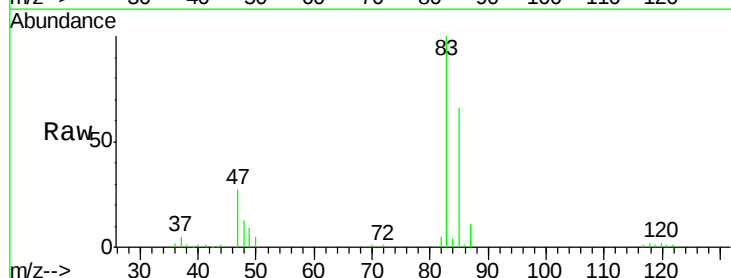


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

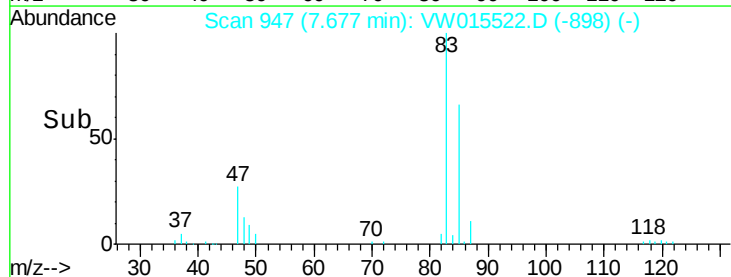
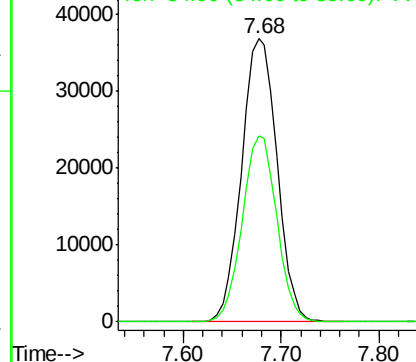


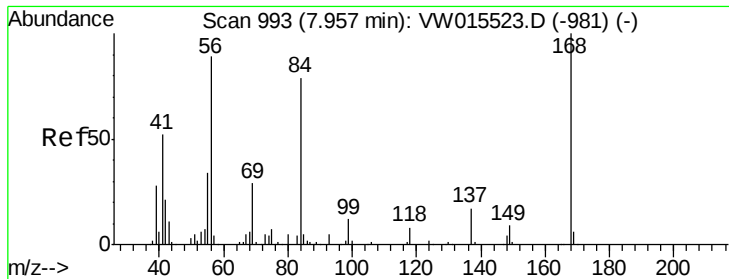
#30
Chloroform
Concen: 20.572 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.584 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

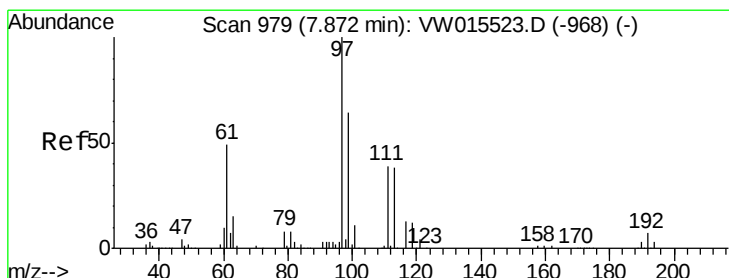
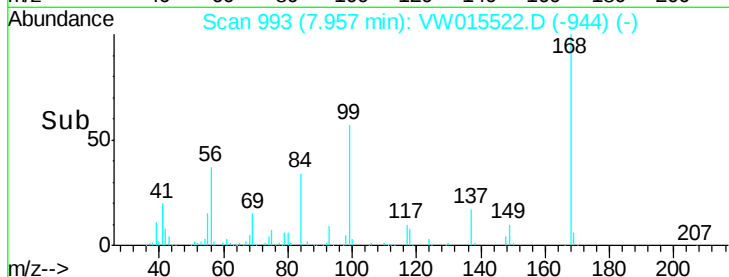
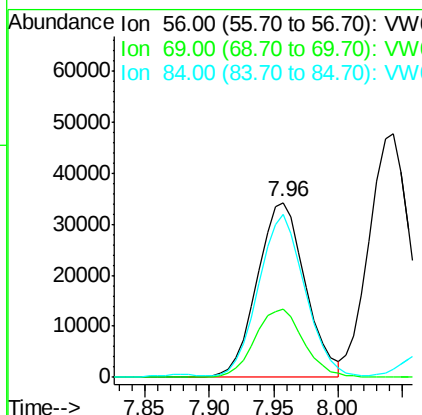
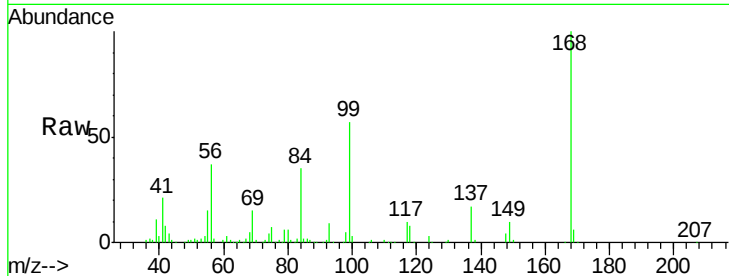
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	88973
Ion	Ratio	Lower	Upper
56	100		
69	39.2	26.3	39.5
84	91.4	71.0	106.4

Manual Integrations
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6/2/2020 4:00:15 PM



#32

1,1,1-Trichloroethane

Concen: 21.210 ug/l

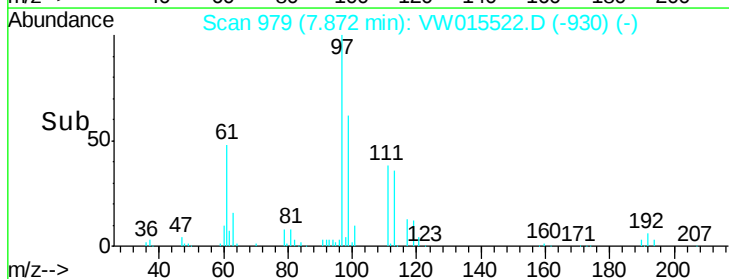
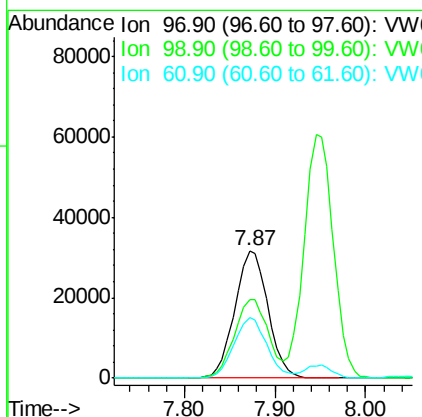
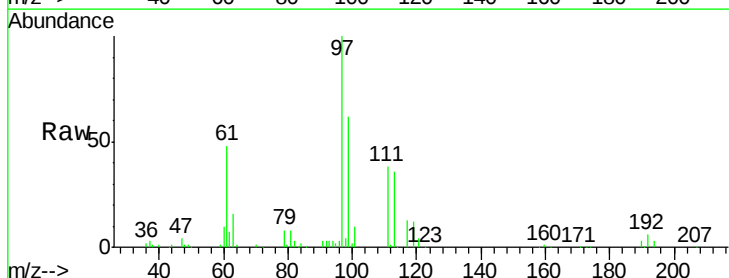
RT: 7.87 min Scan# 979

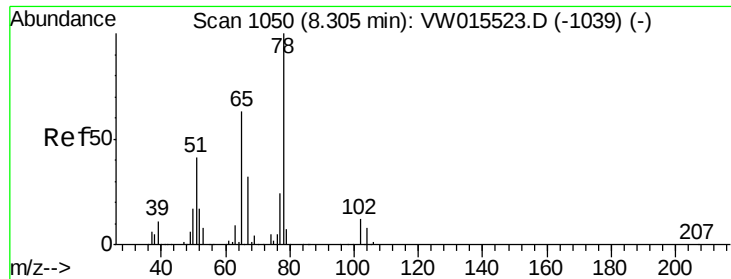
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	97	Resp:	80265
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	47.3	37.8	56.8





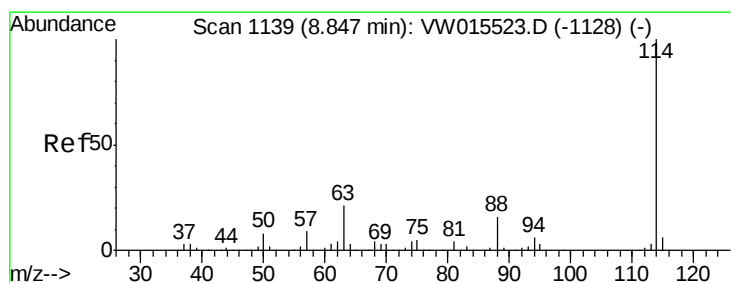
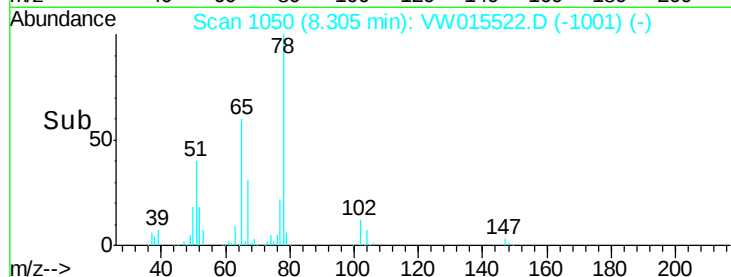
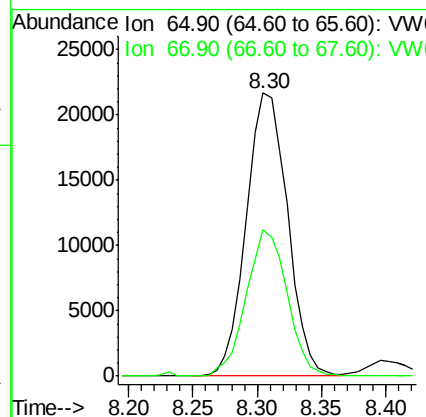
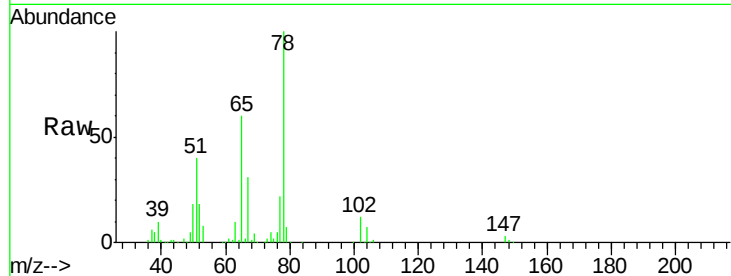
#33
 1,2-Dichloroethane-d4
 Concen: 19.450 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.8

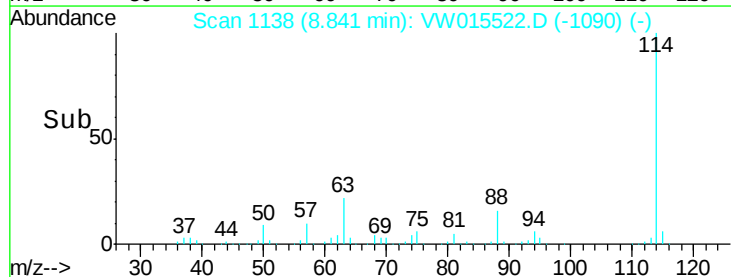
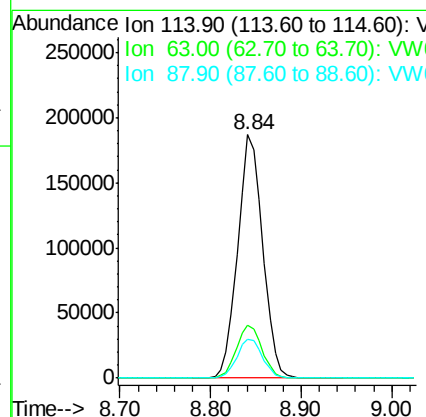
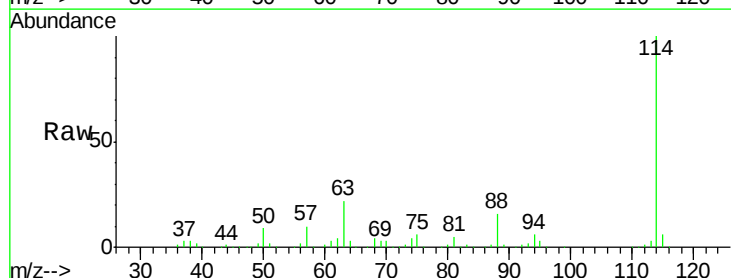
Manual Integrations
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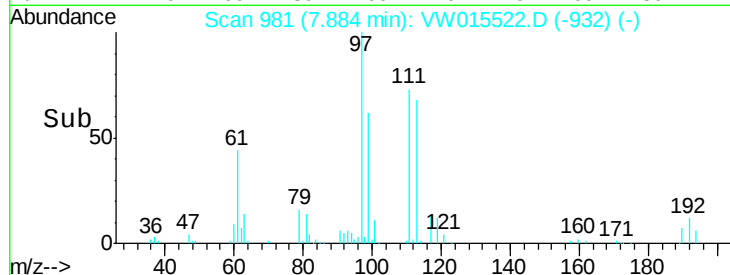
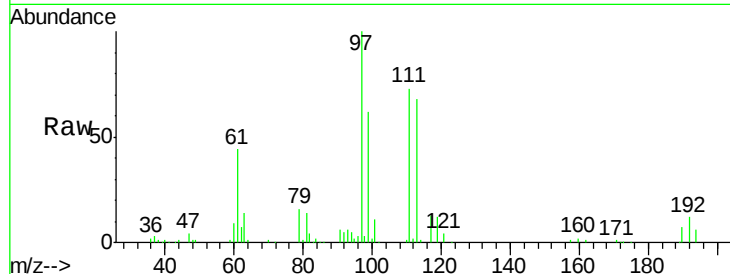
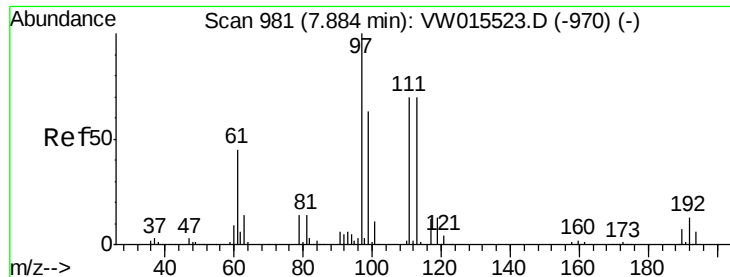
MMDadoda
 6/2/2020 4:00:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.0
88	15.7	0.0	31.8





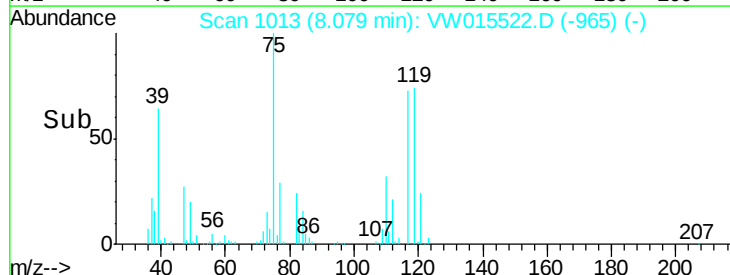
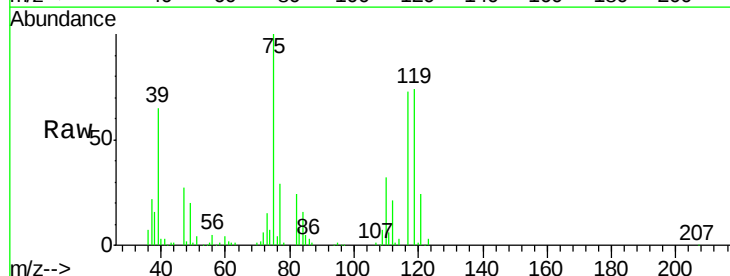
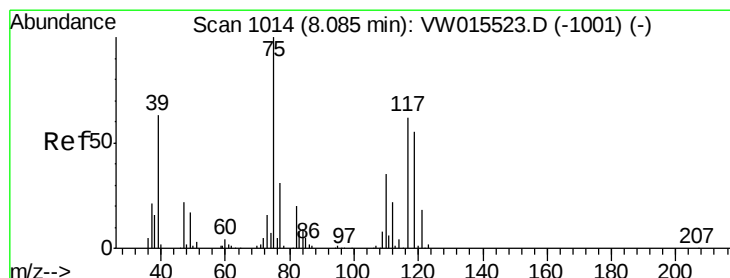
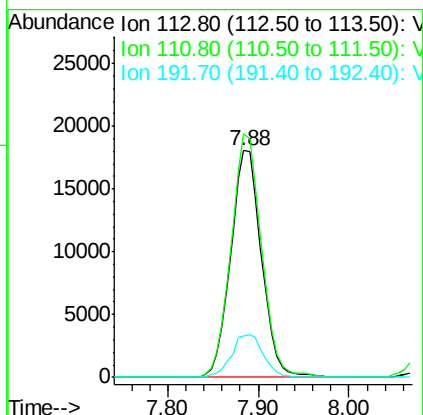
#35
Dibromofluoromethane
Concen: 20.672 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tot Ion	Ratio	Resp	Lower	Upper
113	100	42547		
111	106.3	83.3	124.9	
192	19.4	15.8	23.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

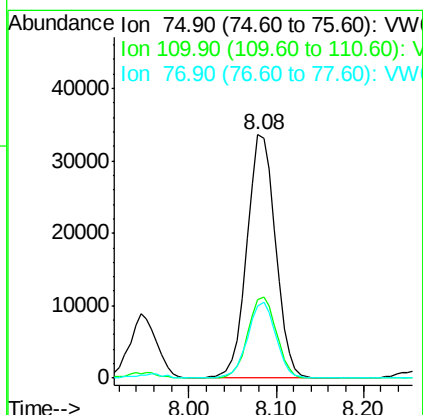
Manual Integrations
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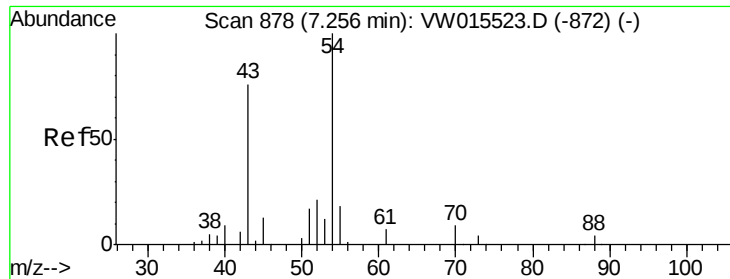
MMDadoda
6/2/2020 4:00:15 PM



#36
1,1-Dichloropropene
Concen: 21.601 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76598		
110	33.2	17.2	51.6	
77	30.6	25.0	37.4	





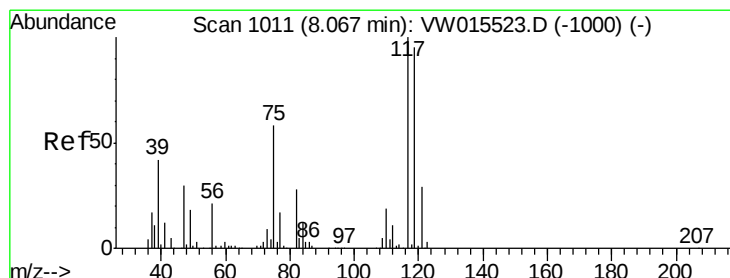
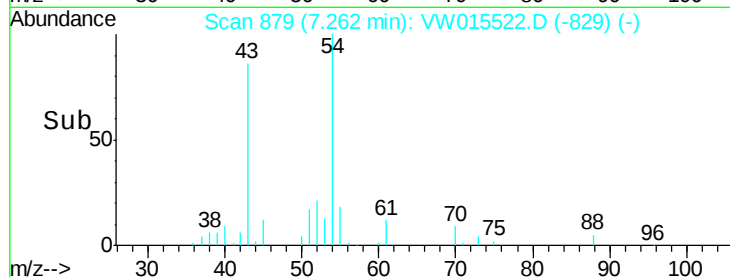
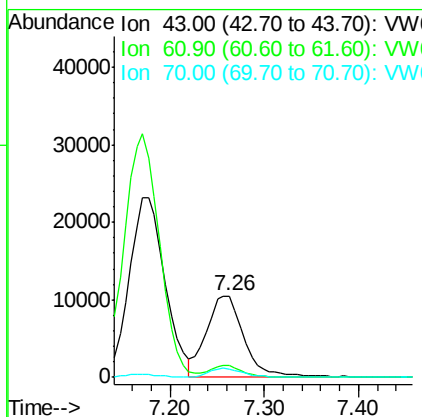
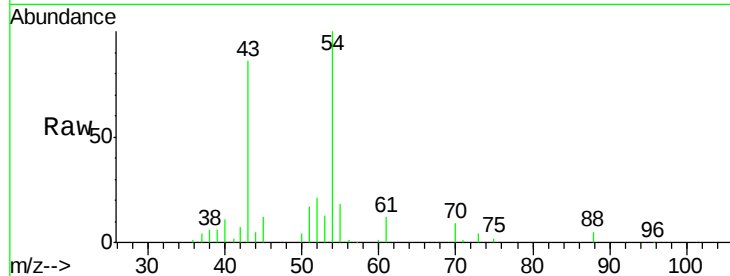
#37
Ethyl Acetate
Concen: 20.495 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.2	8.4	12.6

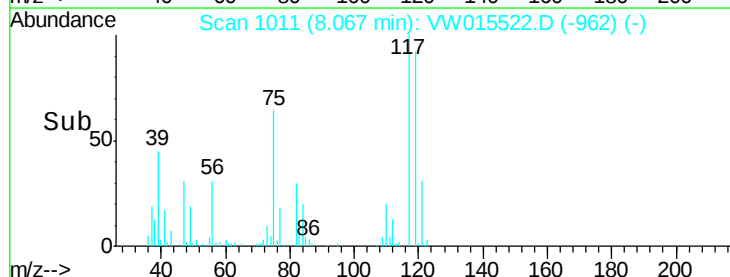
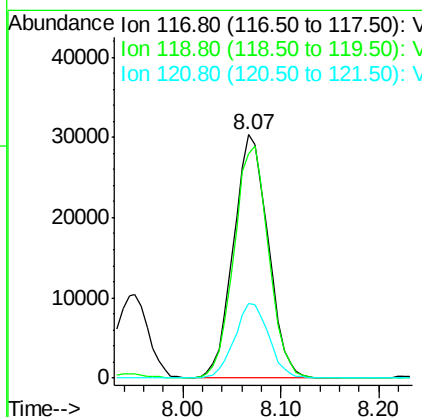
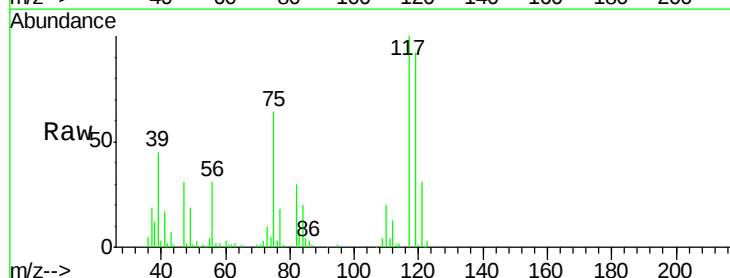
Manual Integrations
APPROVED

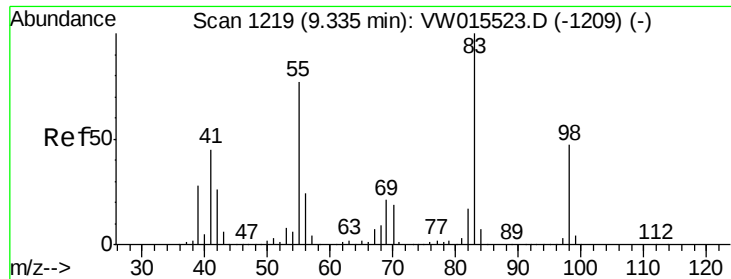
MMDadoda
6/2/2020 4:00:15 PM



#38
Carbon Tetrachloride
Concen: 22.267 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.9	113.9
121	30.7	23.5	35.3





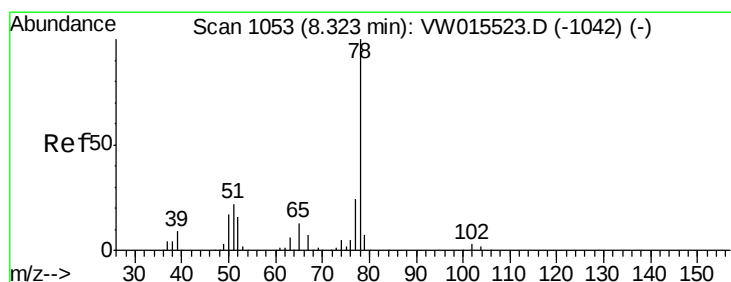
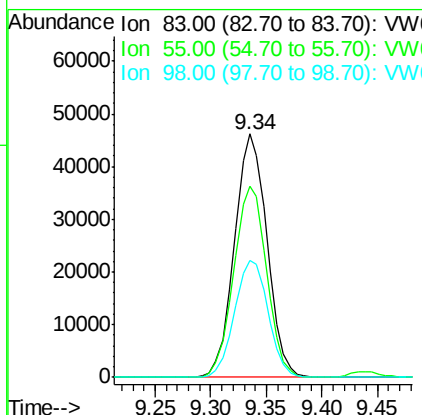
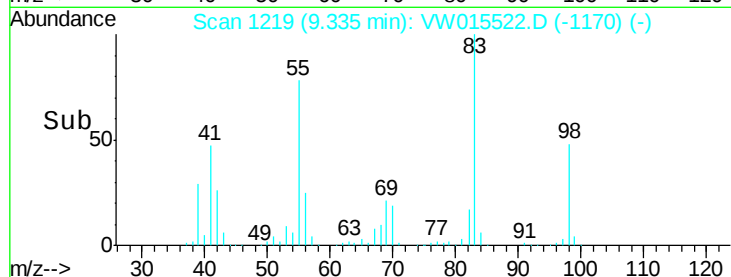
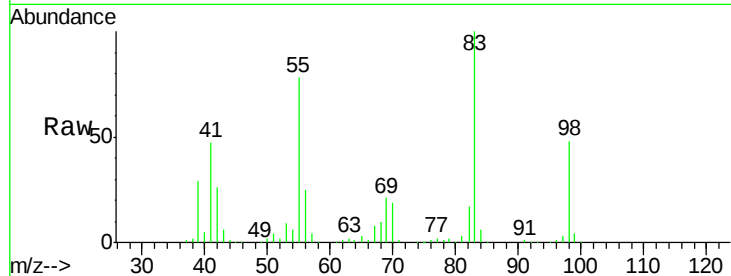
#39
Methvlcvclohexane
Concen: 20.802 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	93414
Ion Ratio	100	Lower	Upper
83	100		
55	78.3	61.7	92.5
98	48.0	37.7	56.5

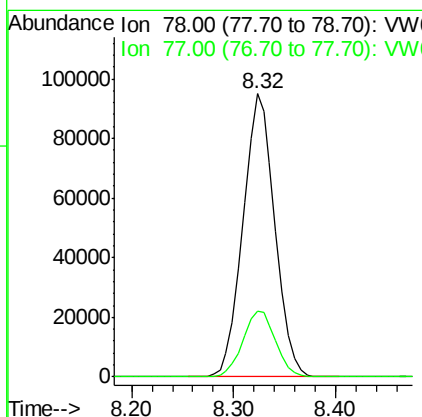
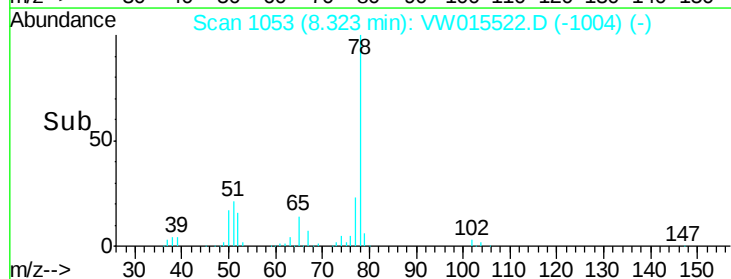
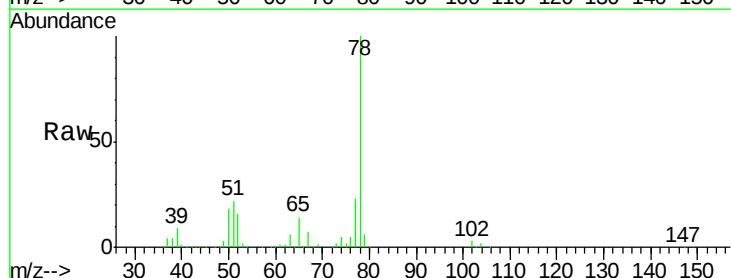
Manual Integrations
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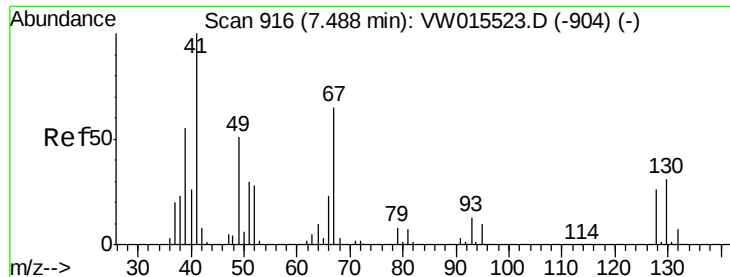
MMDadoda
6/2/2020 4:00:15 PM



#40
Benzene
Concen: 21.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	78	Resp	205171
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.2	28.8





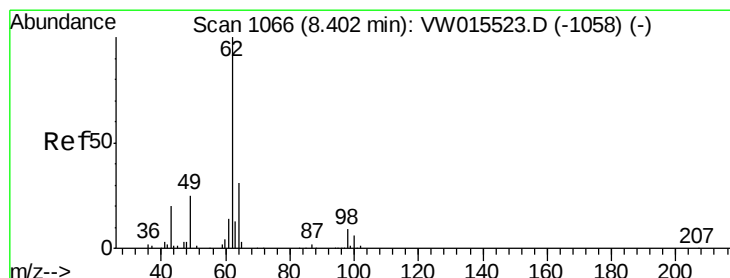
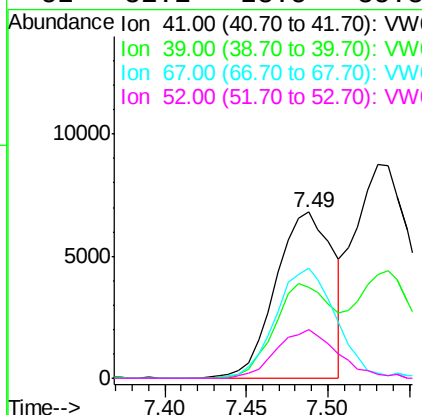
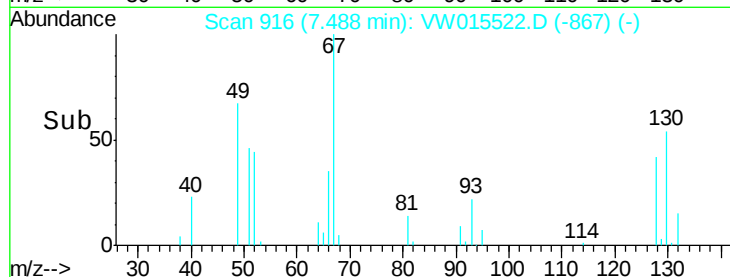
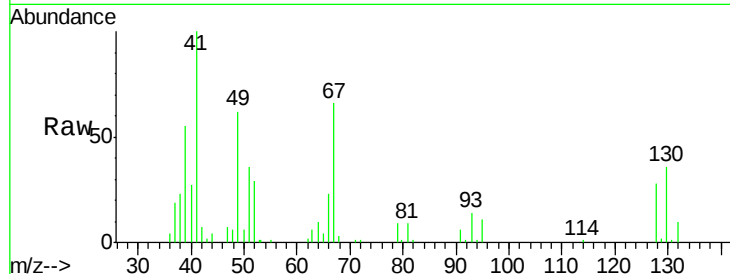
#41
Methacrylonitrile
Concen: 18.638 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	16599
Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.5	66.7
67	70.1	53.1	79.7
52	31.1	23.5	35.3

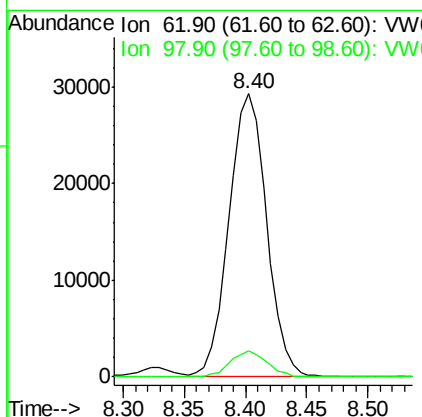
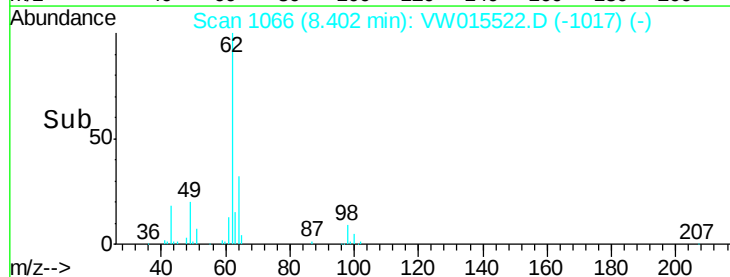
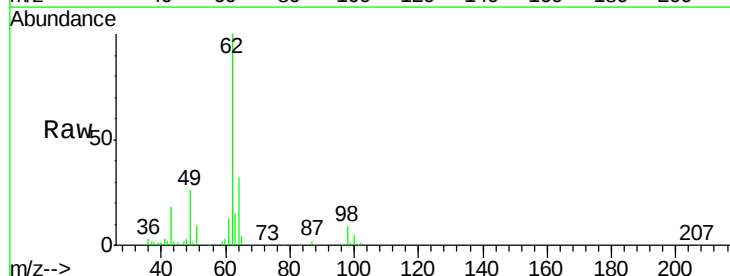
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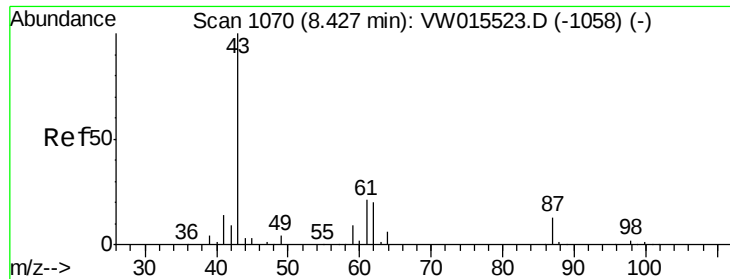
MMDadoda
6/2/2020 4:00:15 PM



#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:	62	Resp:	62672
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





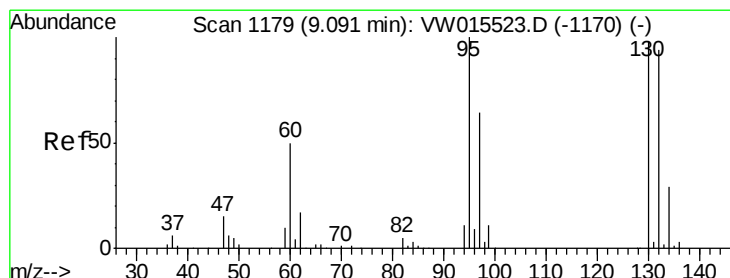
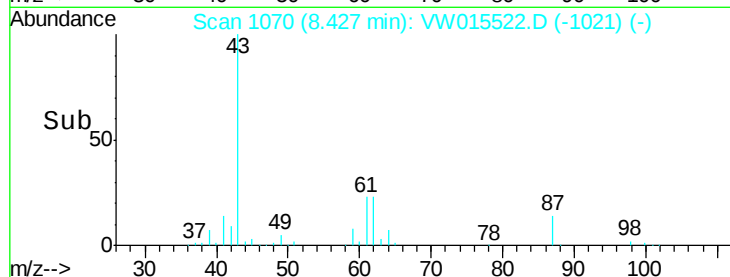
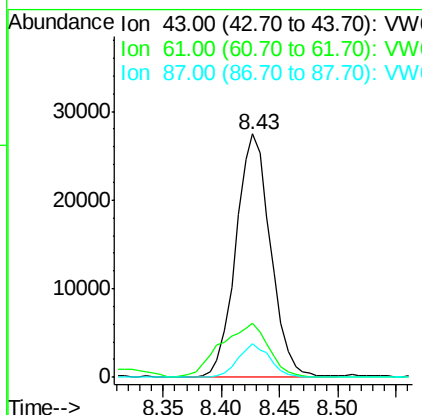
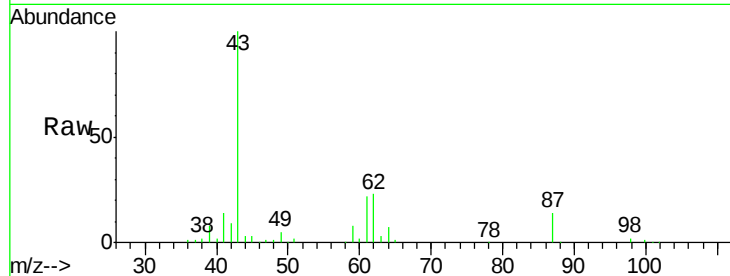
#43
Isopropyl Acetate
Concen: 19.411 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.8	35.8
87	12.7	10.1	15.1

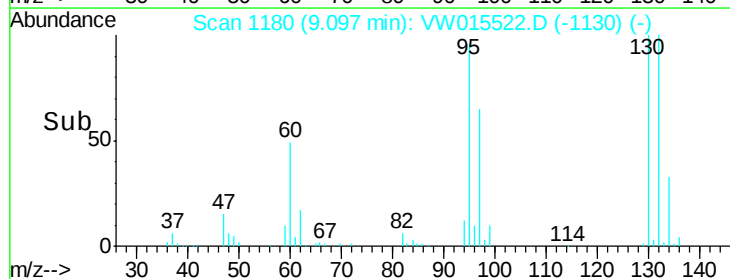
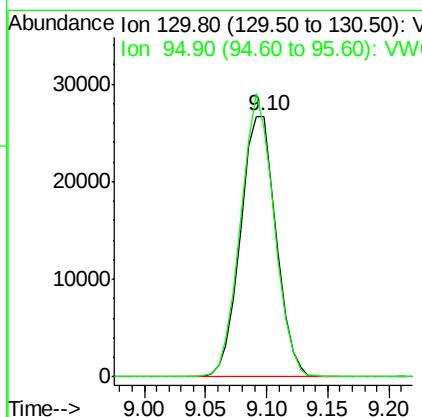
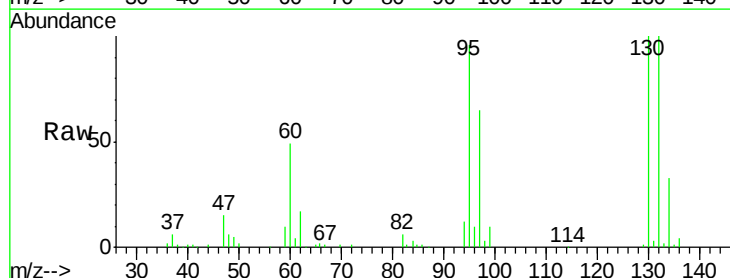
Manual Integrations
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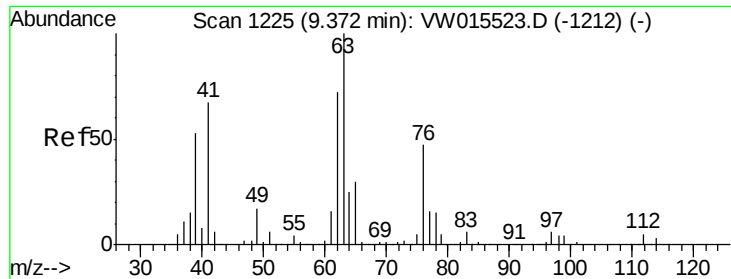
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6/2/2020 4:00:15 PM



#44
Trichloroethene
Concen: 21.477 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	204.0





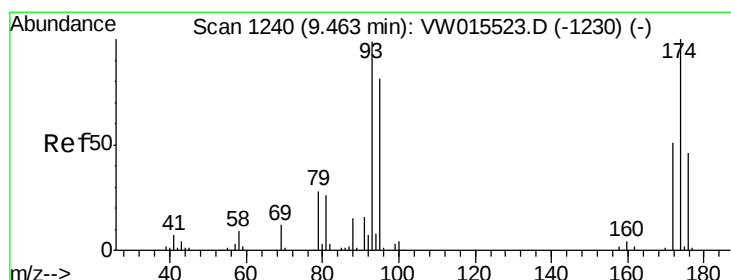
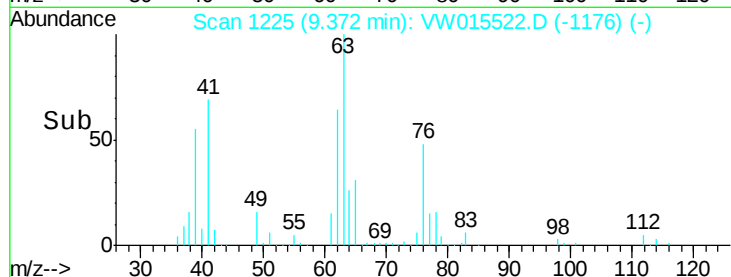
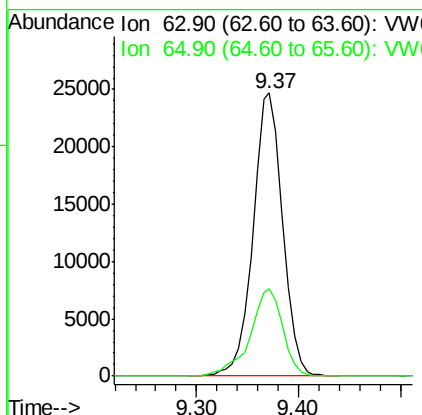
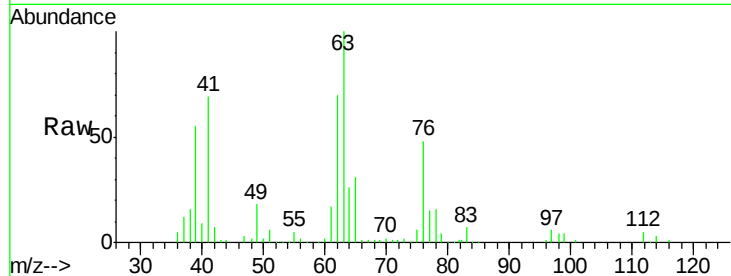
#45
 1,2-Dichloropropane
 Concen: 20.741 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 49784
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0

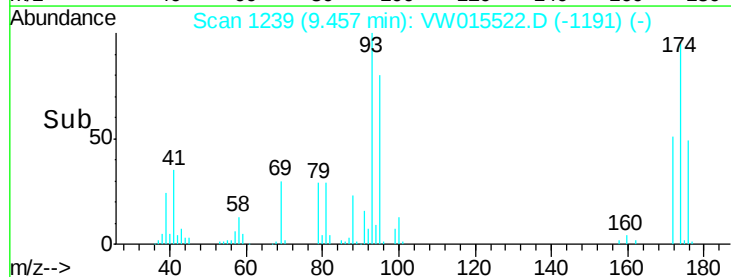
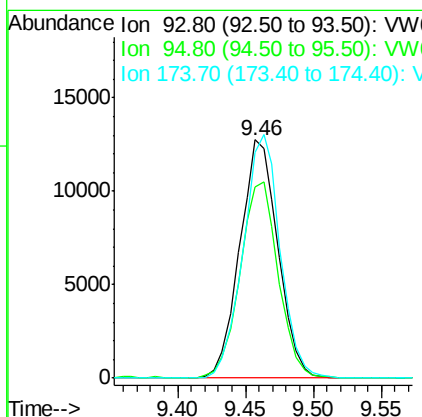
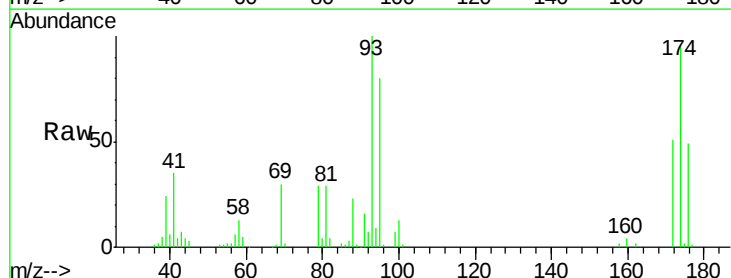
Manual Integrations
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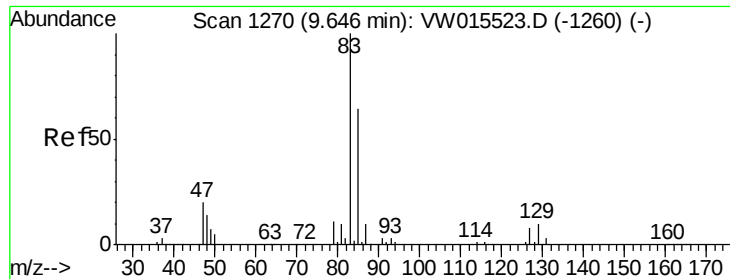
MMDadoda
 6/2/2020 4:00:15 PM



#46
 Dibromomethane
 Concen: 20.699 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 93 Resp: 25014
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.1 97.7
 174 99.2 78.6 118.0





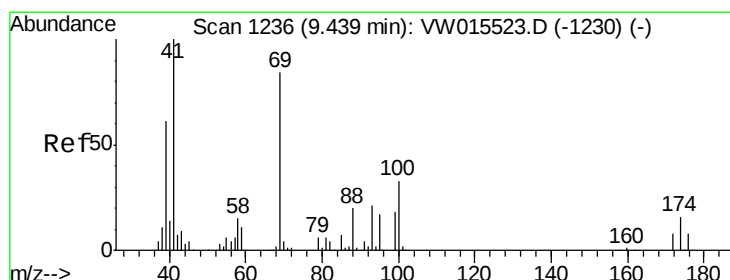
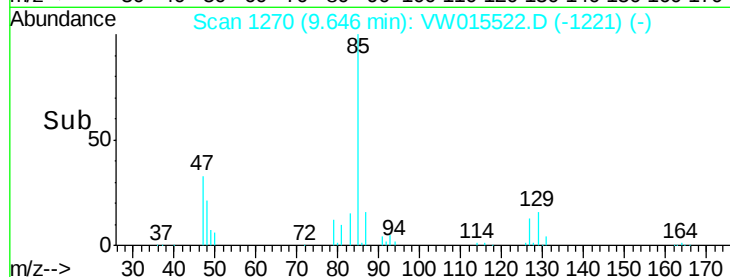
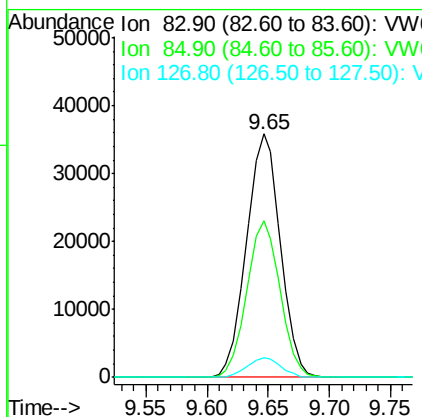
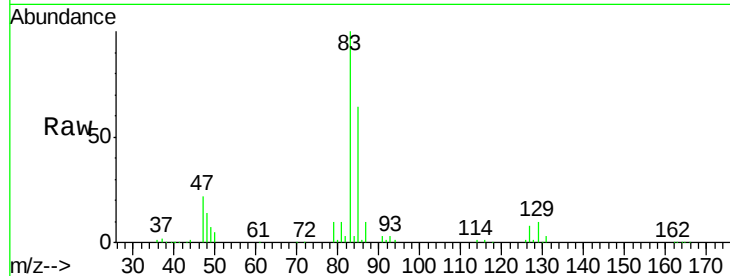
#47
Bromodichloromethane
Concen: 21.100 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	68890
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.1	76.7
127	8.1	6.4	9.6

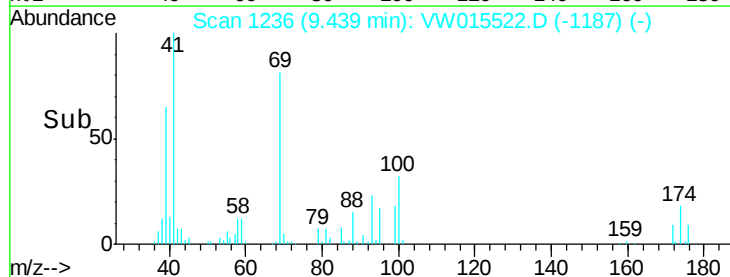
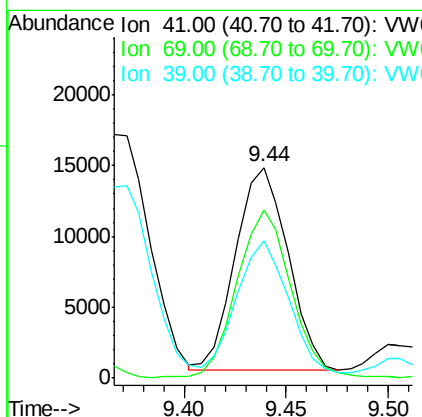
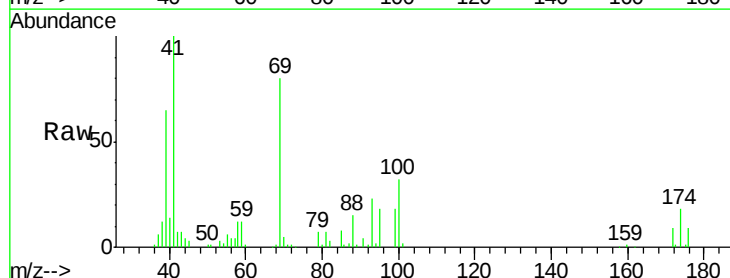
Manual Integrations
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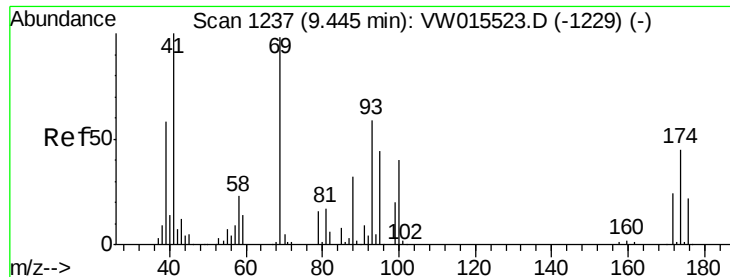
MMDadoda
6/2/2020 4:00:15 PM



#48
Methyl methacrylate
Concen: 18.845 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:	41	Resp:	25468
Ion Ratio	Lower	Upper	
41	100		
69	86.5	67.8	101.8
39	64.0	50.2	75.2





#49

1,4-Dioxane

Concen: 405.733 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

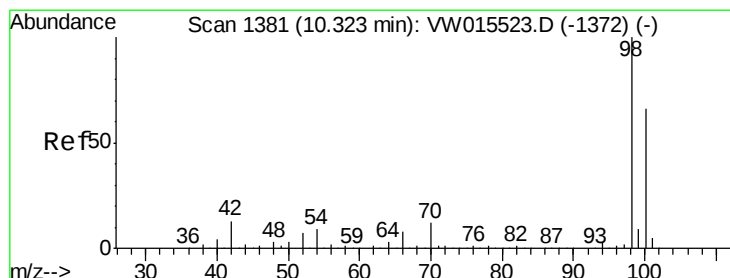
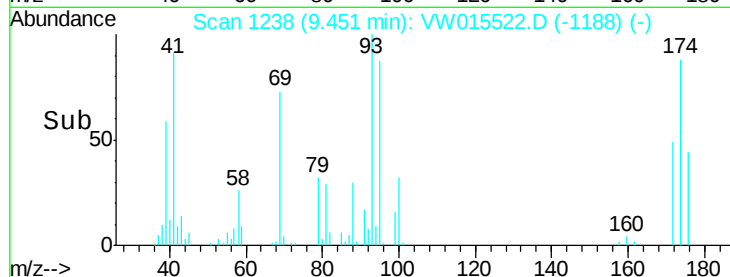
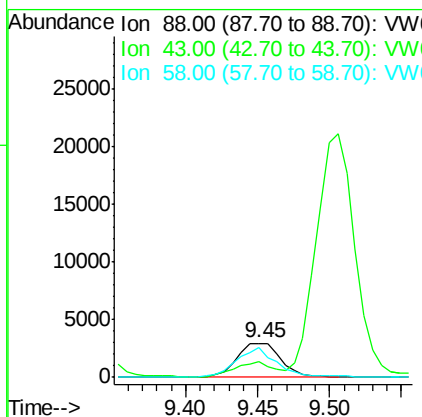
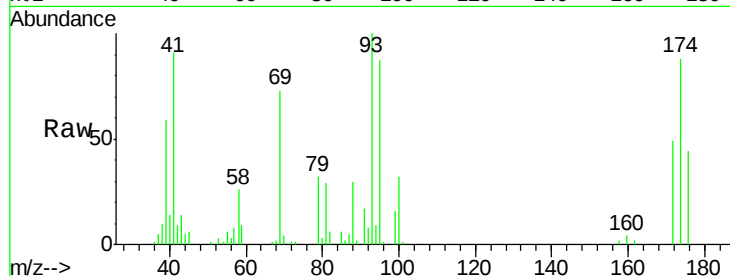
ClientSampled :

VSTDIC020

Tot Ion:	88	Resp:	6347
Ion	Ratio	Lower	Upper
88	100		
43	42.7	27.9	41.9#
58	80.6	58.8	88.2

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#50

Toluene-d8

Concen: 20.523 ug/l

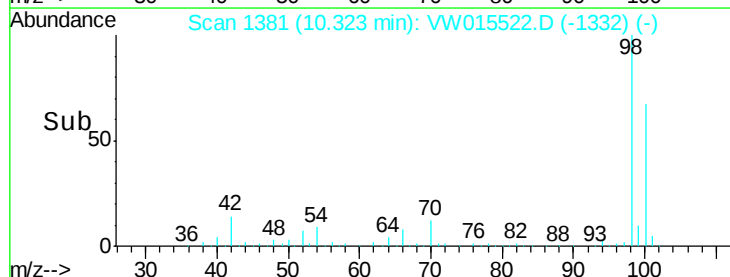
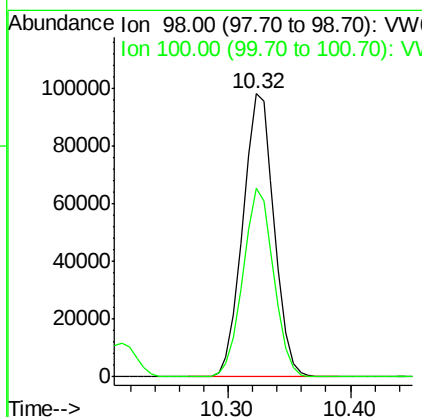
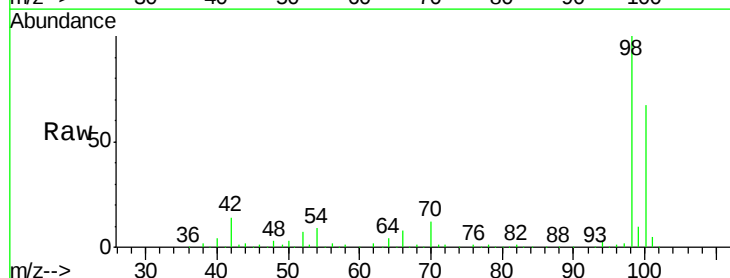
RT: 10.32 min Scan# 1381

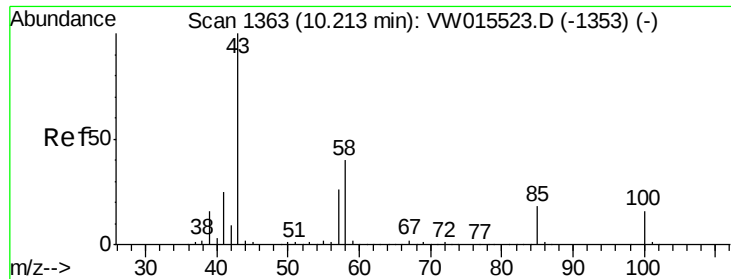
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	98	Resp:	173442
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 97.245 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 134119

Ion Ratio Lower Upper

43 100

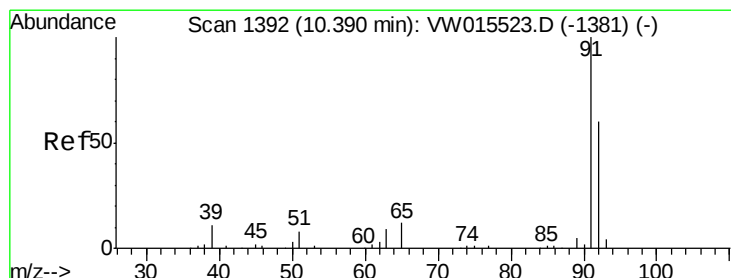
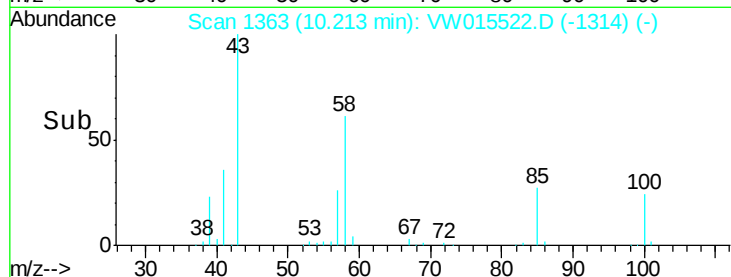
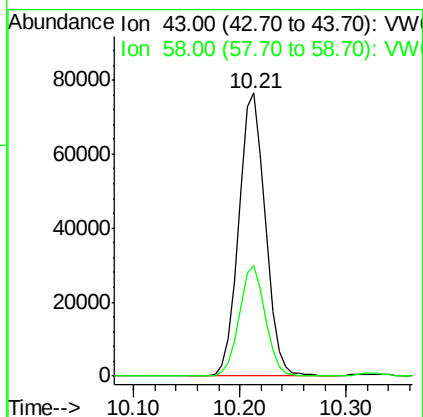
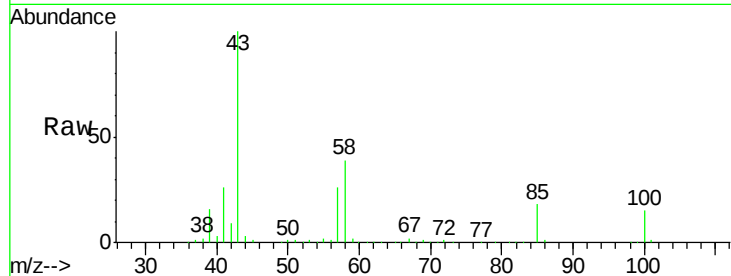
58 38.2 31.4 47.0

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#52

Toluene

Concen: 21.067 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015522.D

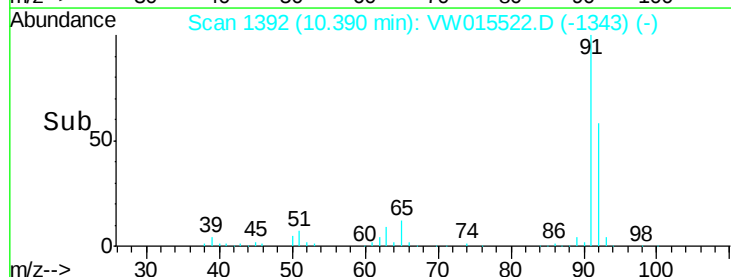
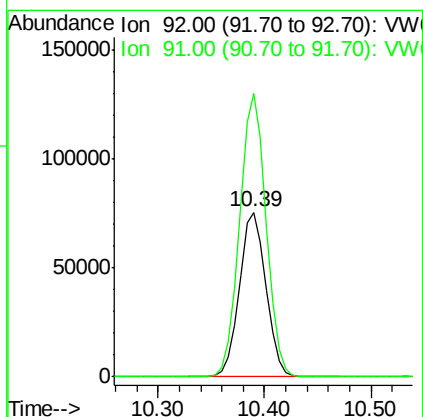
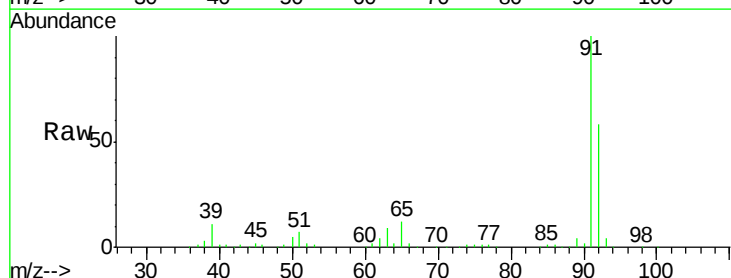
Acq: 02 Jun 2020 12:13

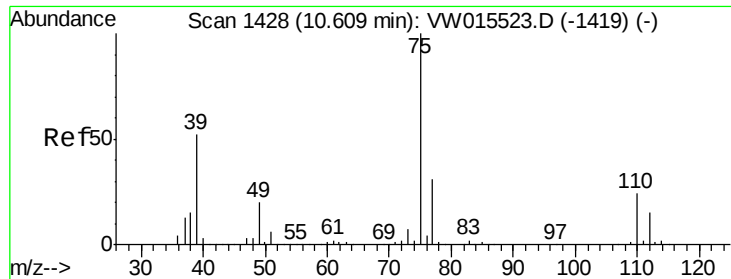
Tgt Ion: 92 Resp: 132654

Ion Ratio Lower Upper

92 100

91 170.7 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 19.817 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 66089

Ion Ratio Lower Upper

75 100

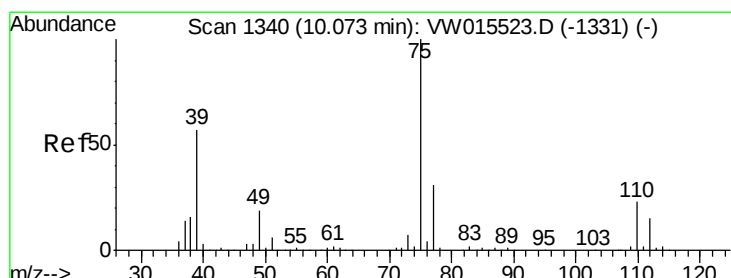
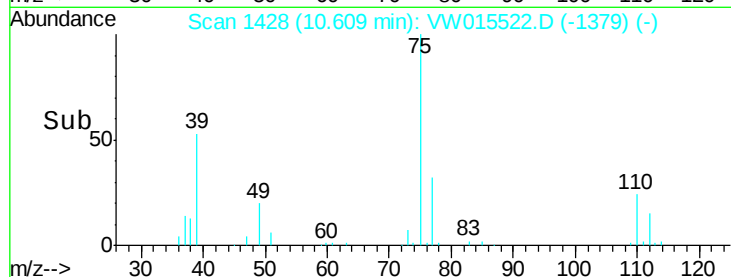
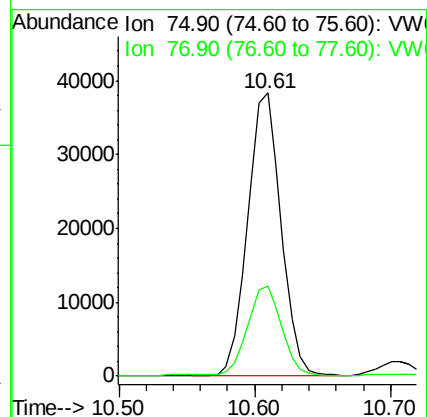
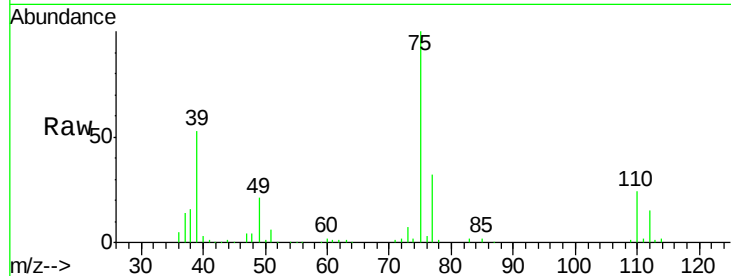
77 31.6 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.121 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

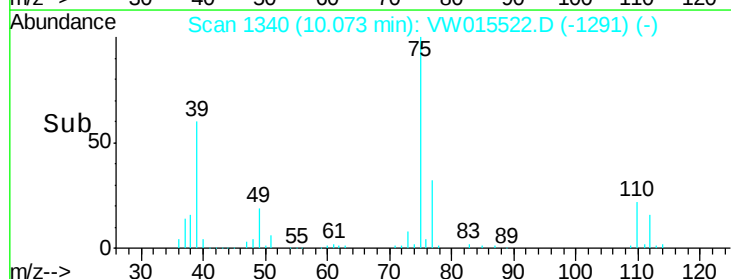
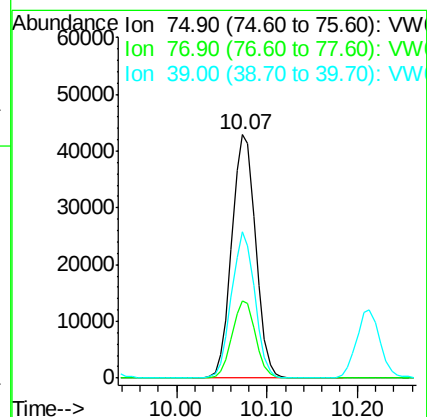
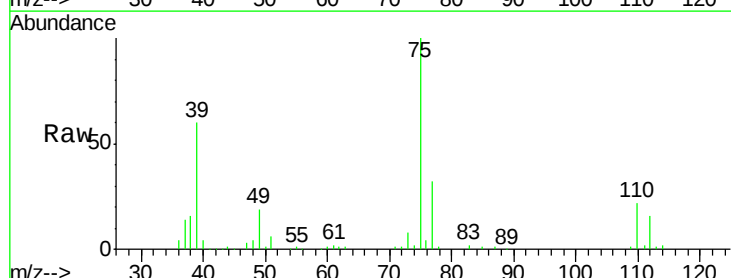
Tgt Ion: 75 Resp: 78596

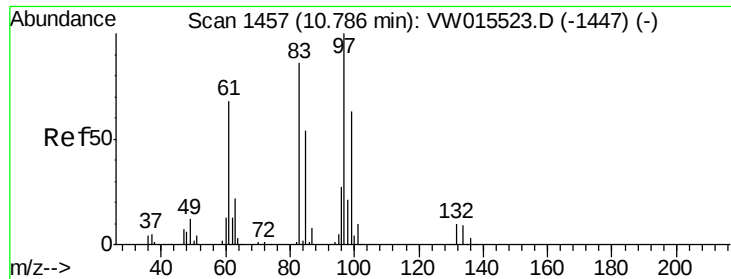
Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3

39 60.1 45.4 68.2





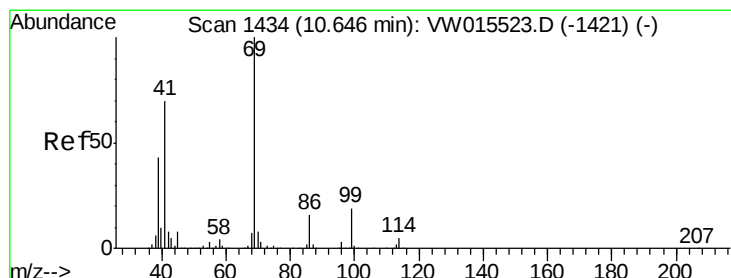
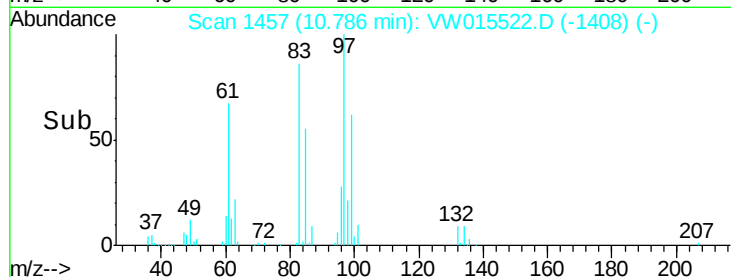
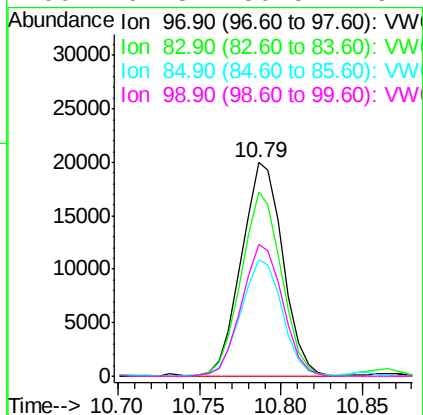
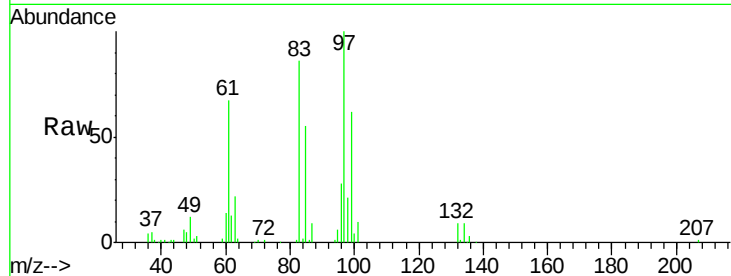
#55
 1,1,2-Trichloroethane
 Concen: 20.715 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	35321
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.6	102.8
85	54.4	43.2	64.8
99	61.8	50.5	75.7

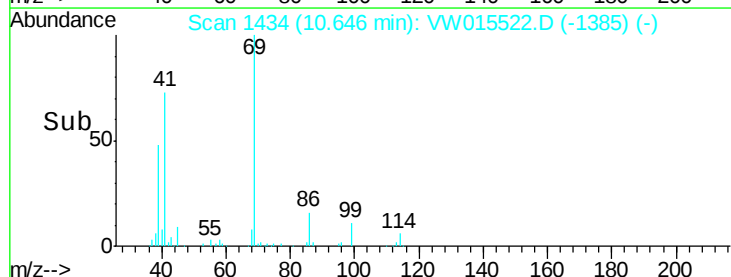
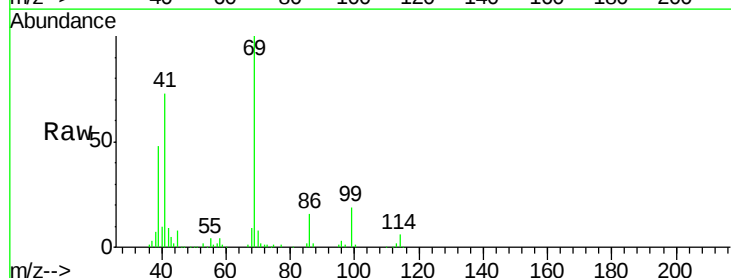
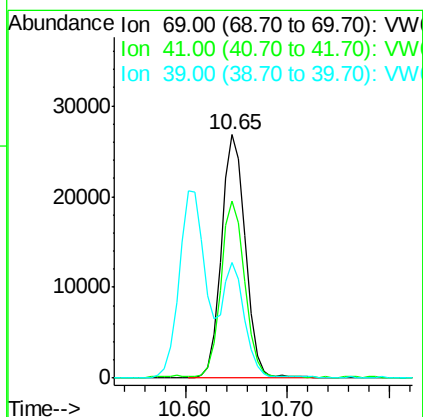
Manual Integrations
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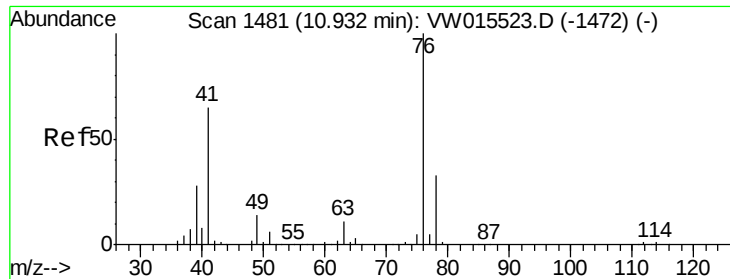
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.811 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion:	69	Resp:	43810
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.2	84.4
39	43.2	33.3	49.9





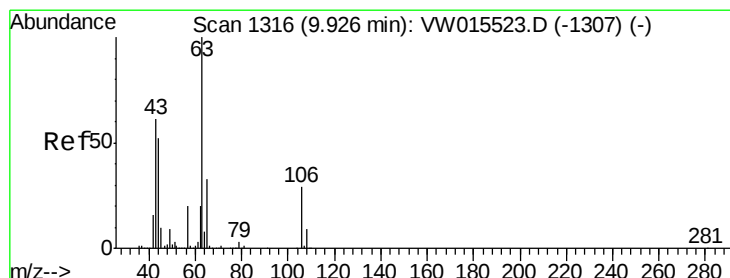
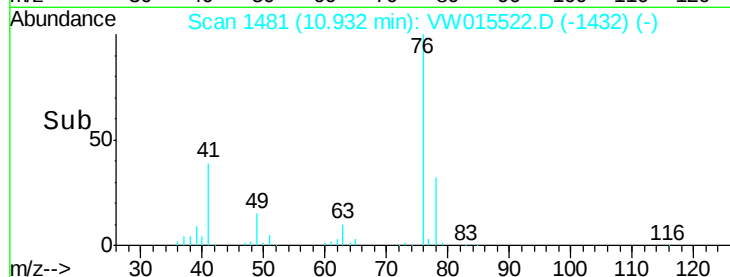
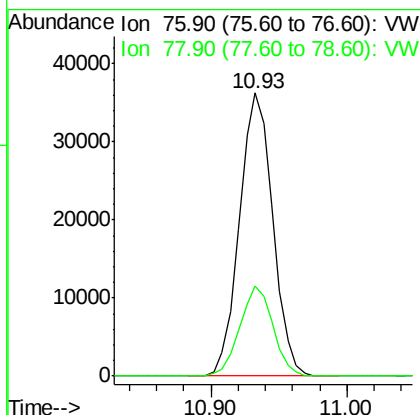
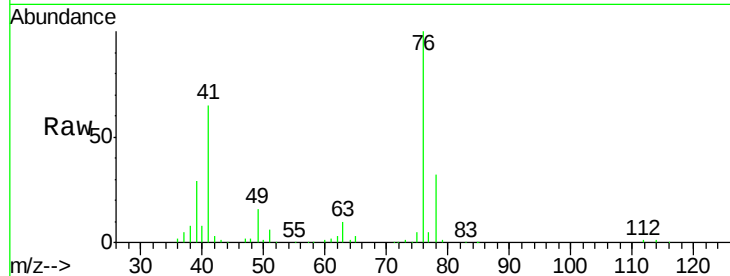
#57
 1,3-Dichloropropane
 Concen: 20.322 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 62033
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

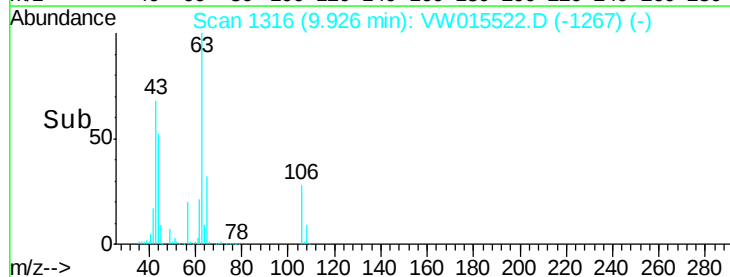
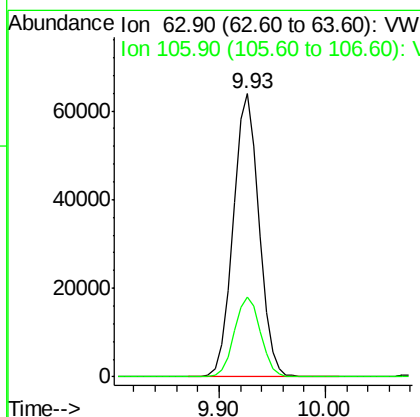
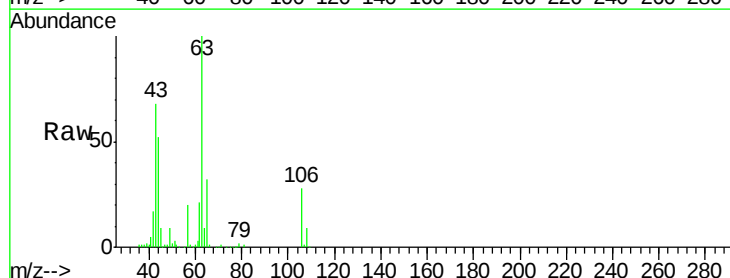
Manual Integrations
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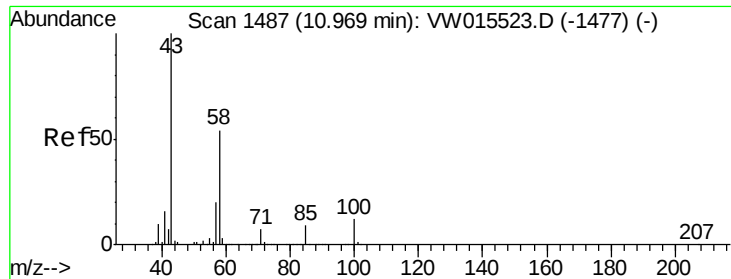
MMDadoda
 6/2/2020 4:00:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.211 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 63 Resp: 108881
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.9 34.3





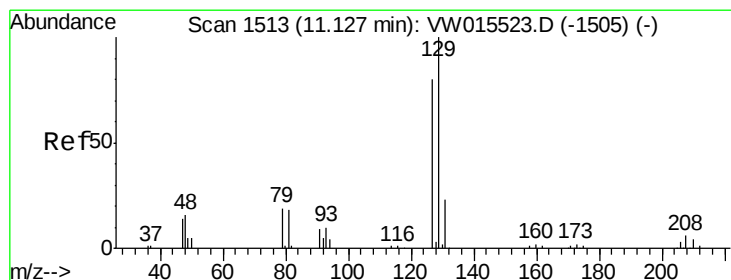
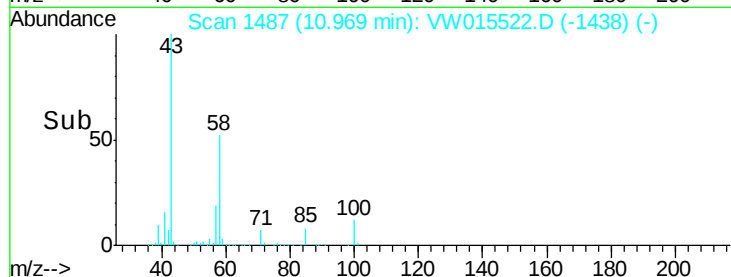
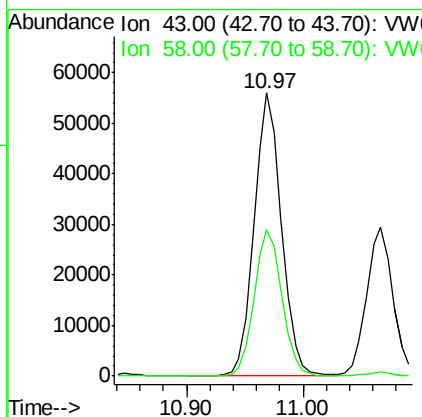
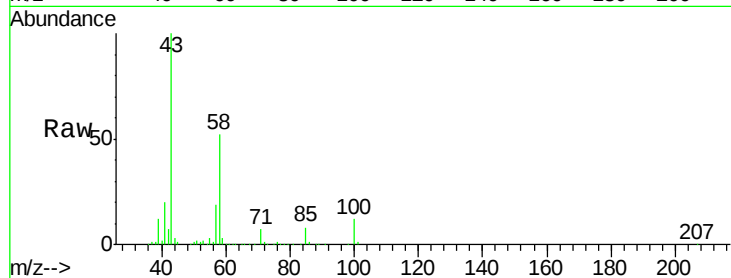
#59
2-Hexanone
Concen: 96.922 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 91458
Ion Ratio Lower Upper
43 100
58 52.6 26.8 80.3

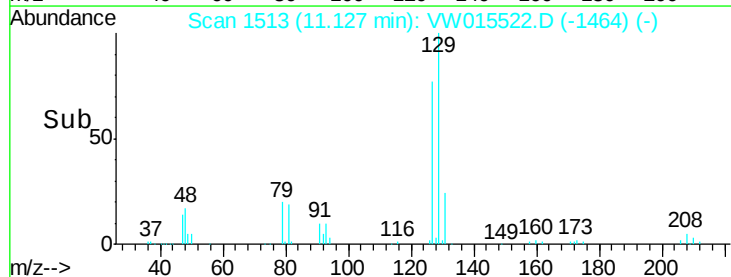
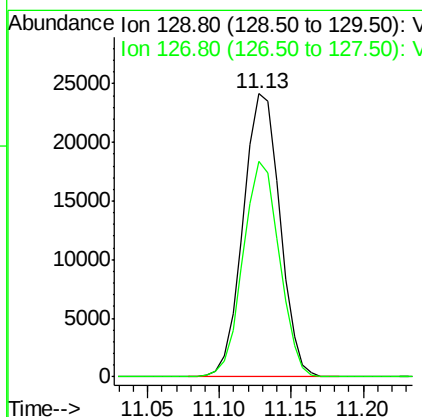
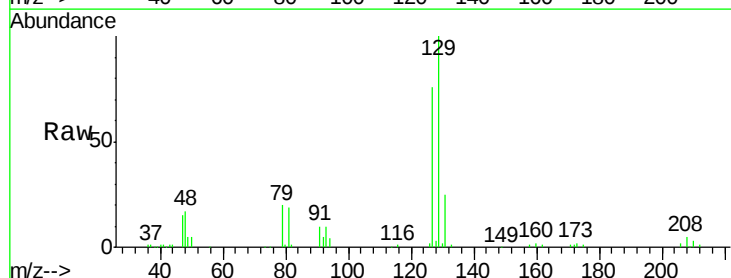
Manual Integrations
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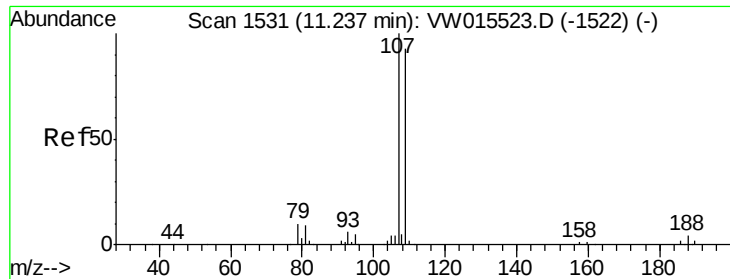
MMDadoda
6/2/2020 4:00:15 PM



#60
Dibromochloromethane
Concen: 20.806 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion: 129 Resp: 42754
Ion Ratio Lower Upper
129 100
127 75.0 38.4 115.2





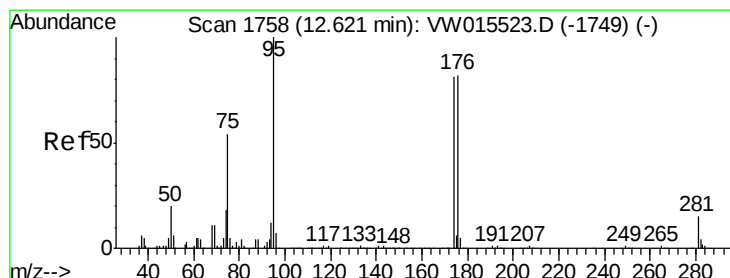
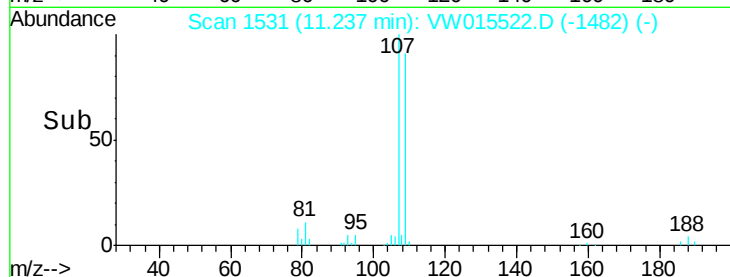
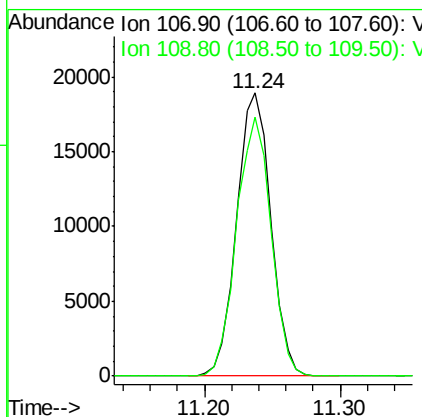
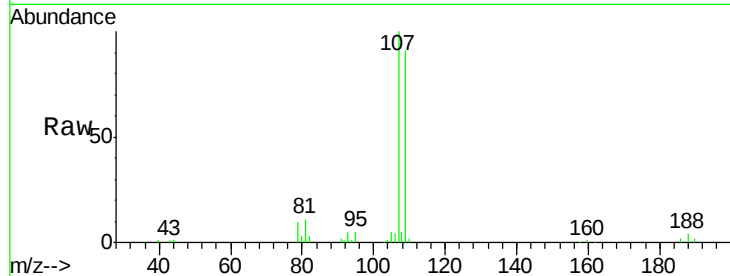
#61
 1,2-Dibromoethane
 Concen: 20.544 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 33205
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.6 111.8

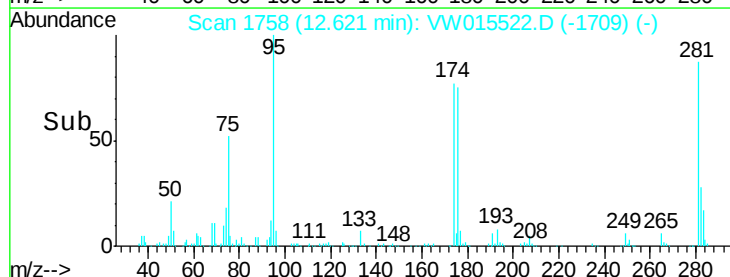
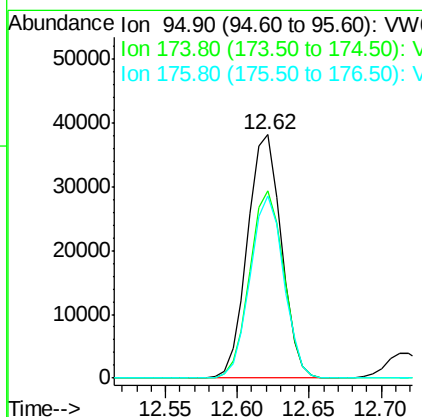
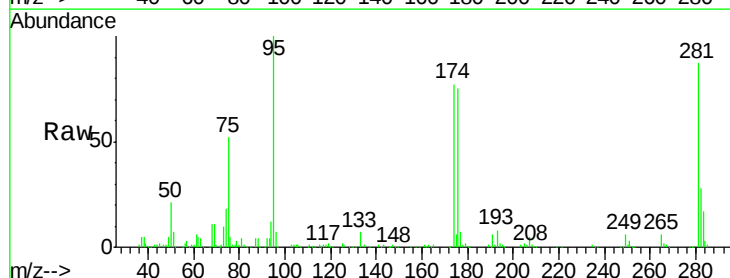
Manual Integrations
 APPROVED

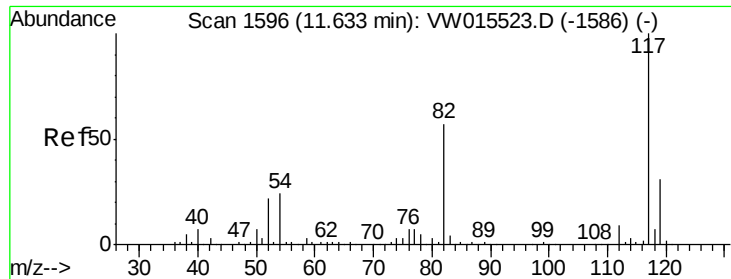
MMDadoda
 6/2/2020 4:00:15 PM



#62
 4-Bromofluorobenzene
 Concen: 19.931 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion: 95 Resp: 62216
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 153.6
 176 74.0 0.0 152.8





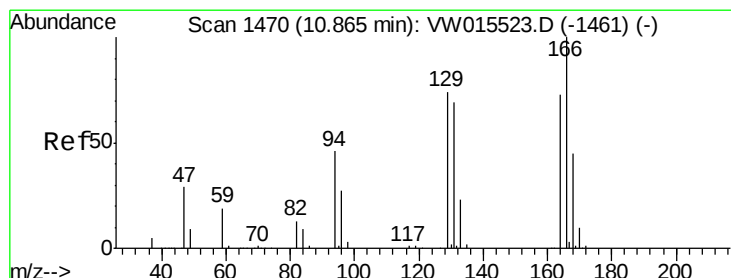
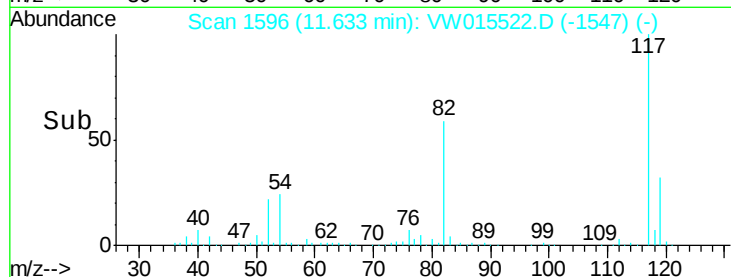
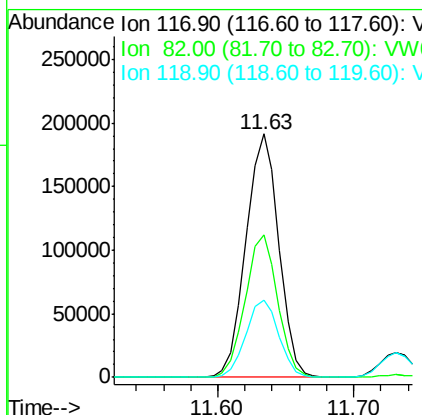
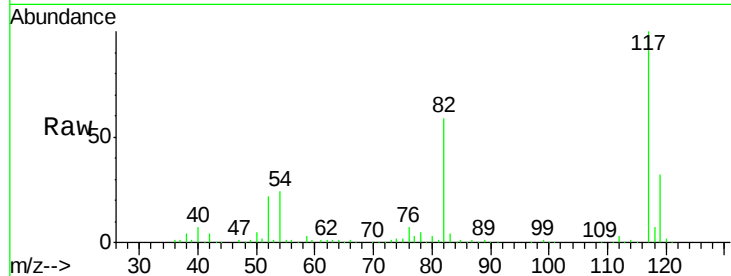
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.8	68.8
119	31.6	24.7	37.1

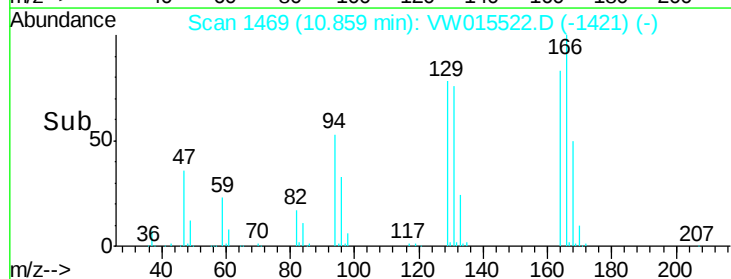
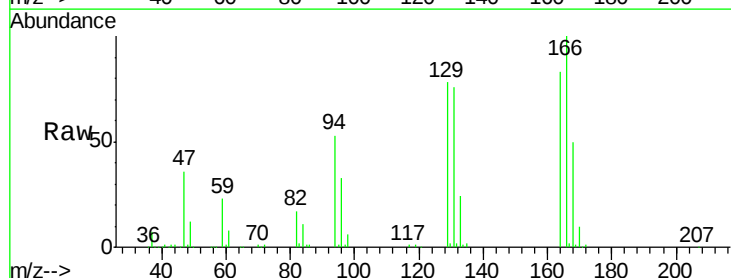
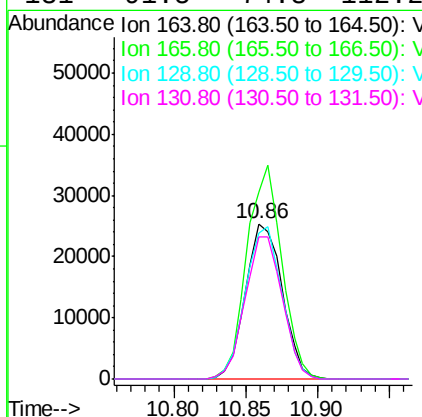
Manual Integrations
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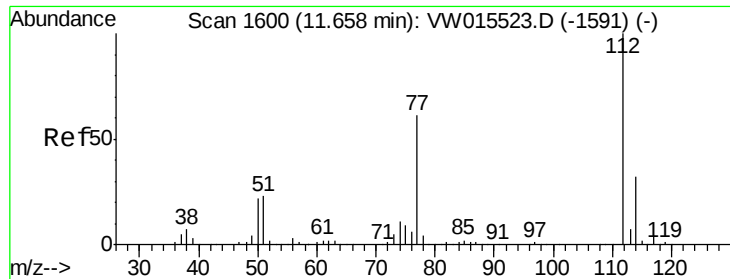
MMDadoda
6/2/2020 4:00:15 PM



#64
Tetrachloroethene
Concen: 22.273 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	109.0	163.6
129	94.0	81.0	121.4
131	91.5	74.8	112.2





#65

Chlorobenzene

Concen: 21.361 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 138342

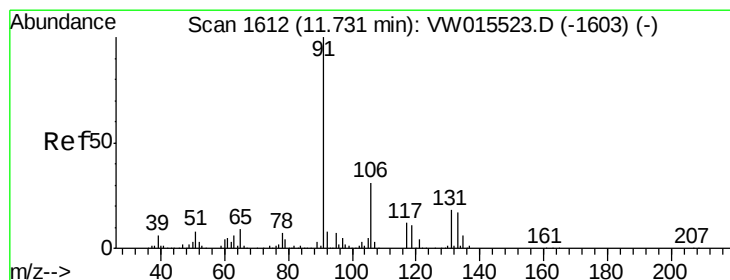
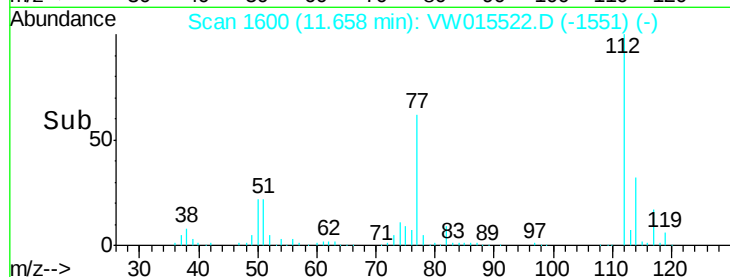
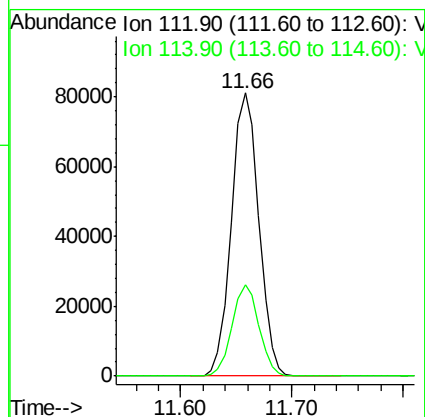
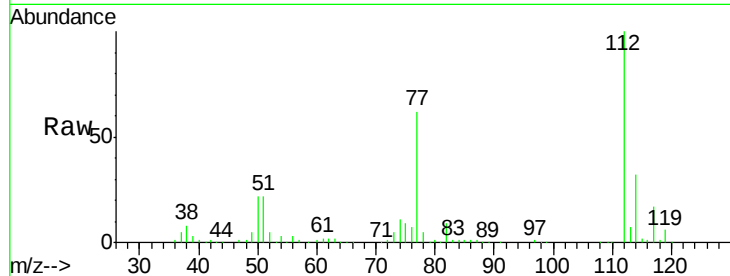
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
6/2/2020 4:00:15 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.173 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

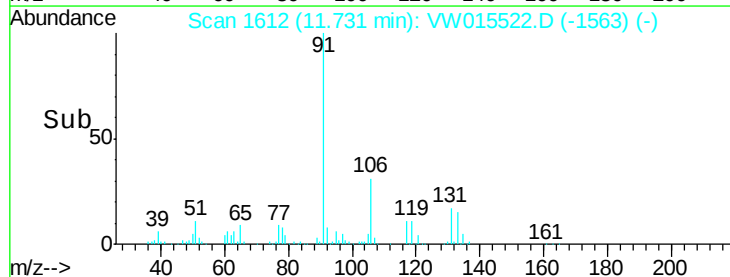
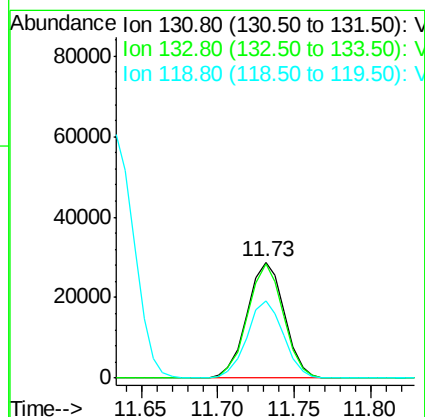
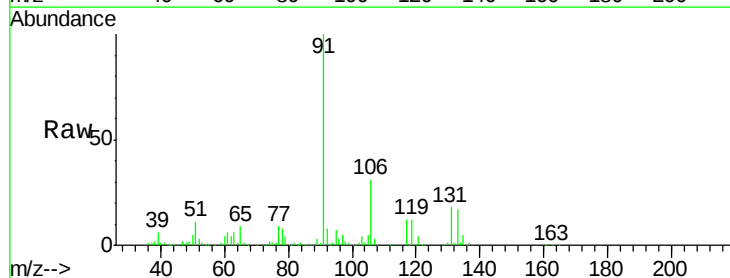
Tgt Ion:131 Resp: 48719

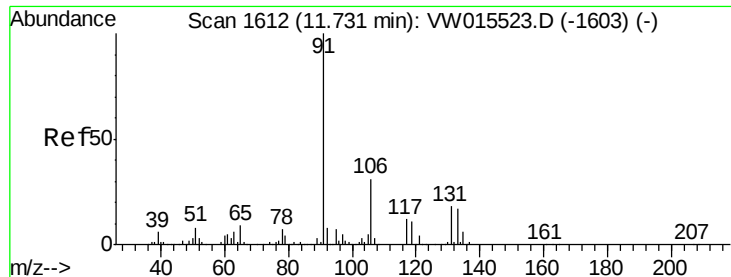
Ion Ratio Lower Upper

131 100

133 95.0 48.3 144.8

119 65.3 32.5 97.5





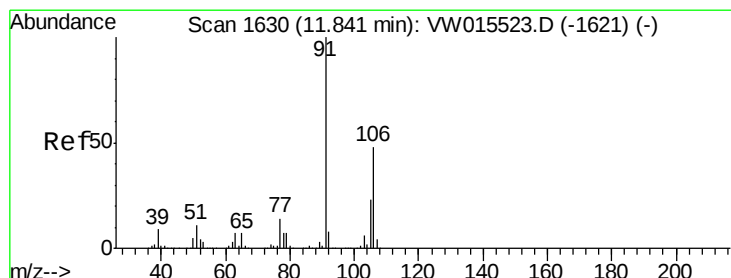
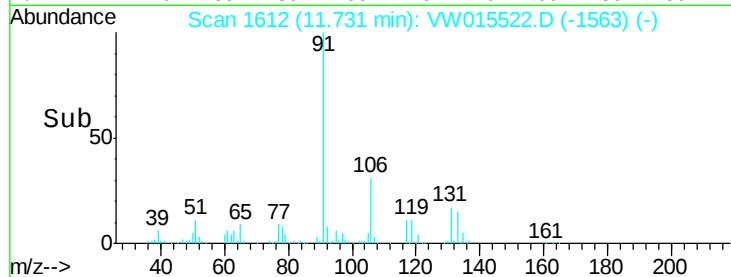
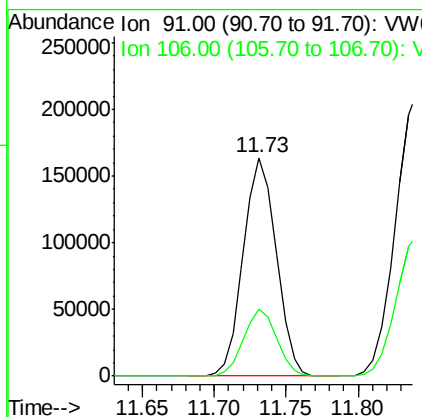
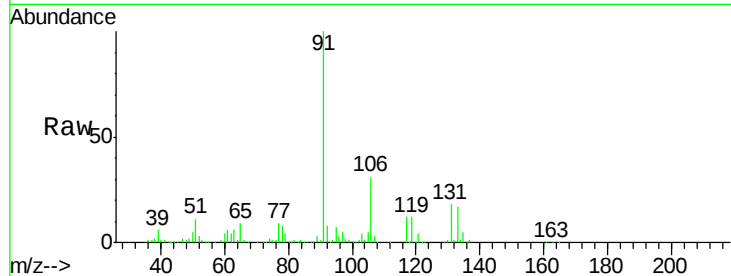
#67
Ethyl Benzene
Concen: 21.035 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

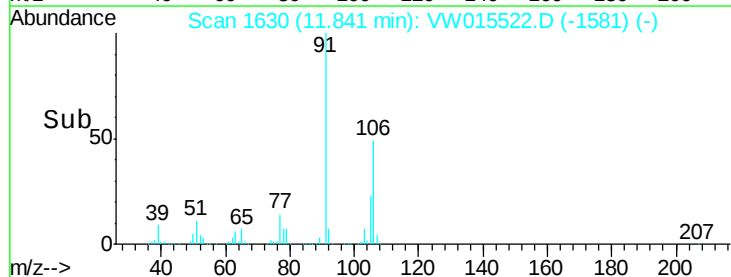
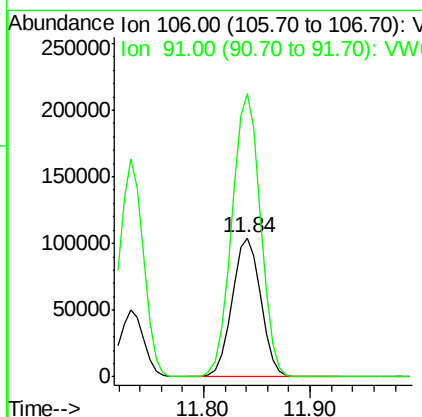
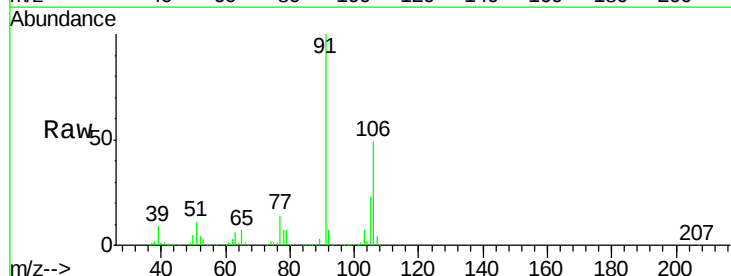
Manual Integrations
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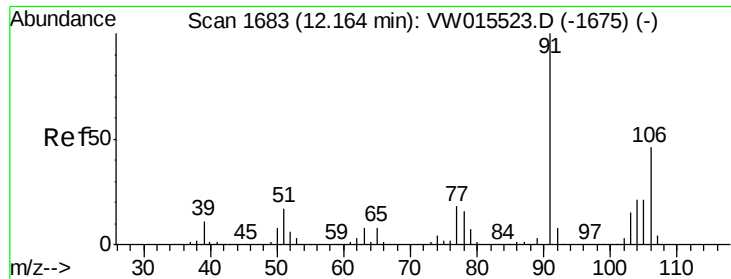
MMDadoda
6/2/2020 4:00:15 PM



#68
m/p-Xylenes
Concen: 42.712 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.0	163.5	245.3





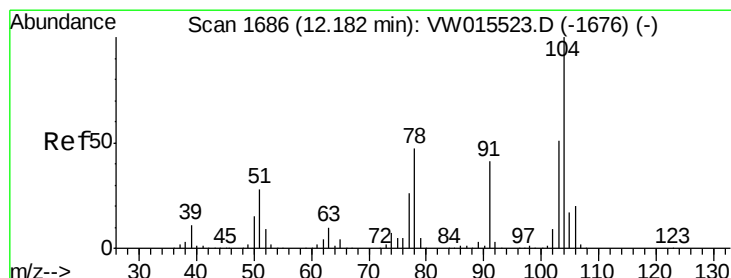
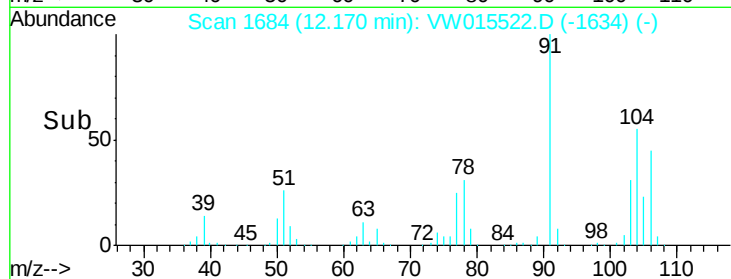
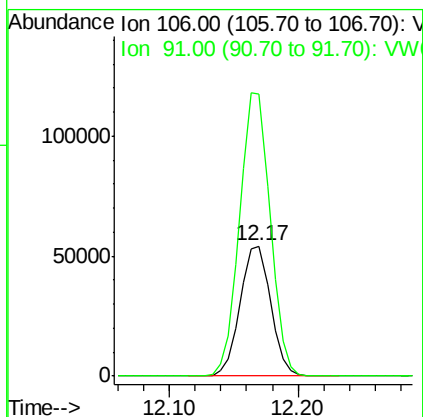
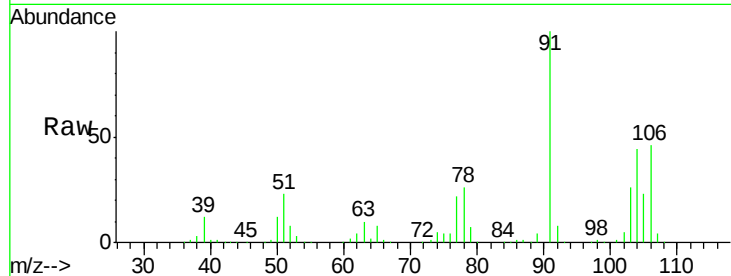
#69
o-Xylene
Concen: 20.552 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 88800
Ion Ratio Lower Upper
106 100
91 219.0 107.8 323.4

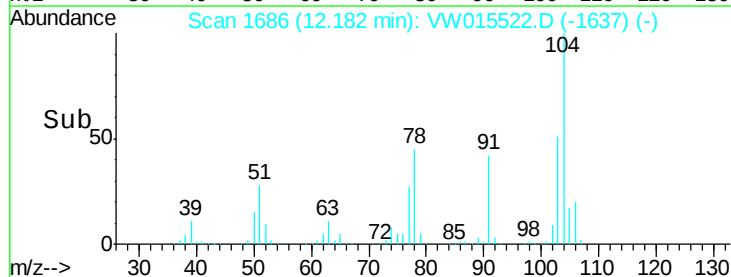
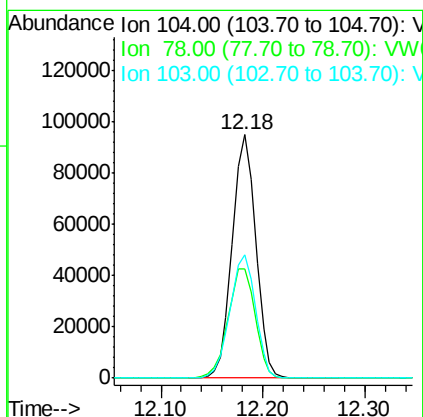
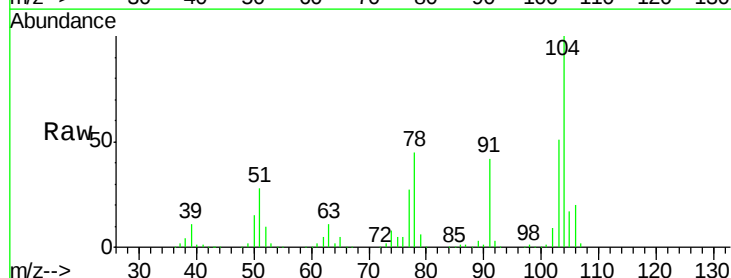
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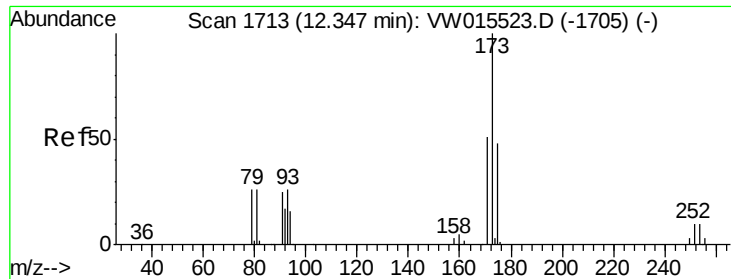
MMDadoda
6/2/2020 4:00:15 PM



#70
Styrene
Concen: 20.442 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion:104 Resp: 152055
Ion Ratio Lower Upper
104 100
78 51.6 41.7 62.5
103 55.2 43.8 65.8





#71

Bromoform

Concen: 20.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 22822

Ion Ratio Lower Upper

173 100

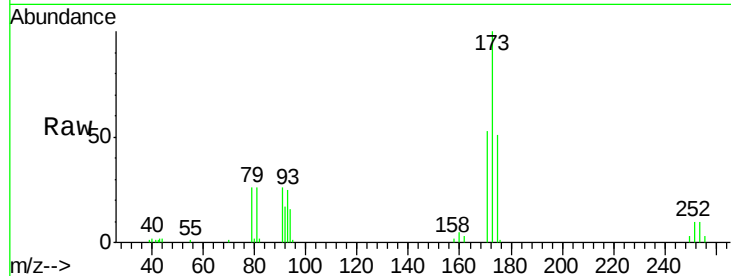
175 48.8 24.8 74.3

254 0.0 0.0 0.0

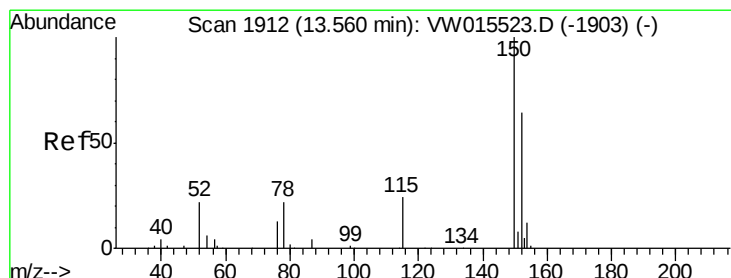
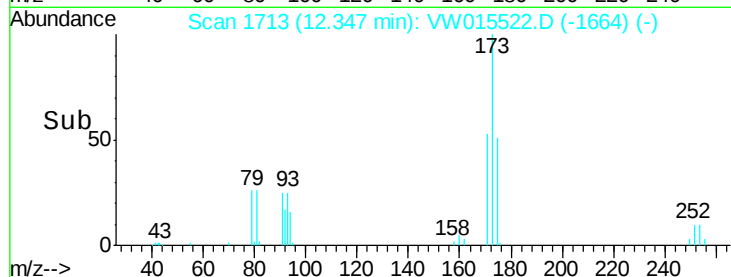
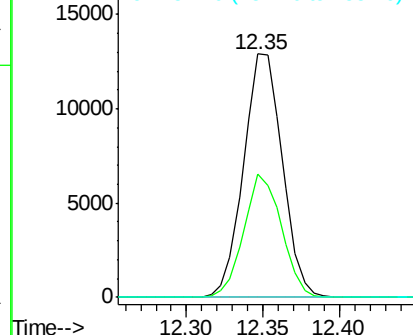
Manual Integrations
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6/2/2020 4:00:15 PM



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: VW015522.D

Acq: 02 Jun 2020 12:13

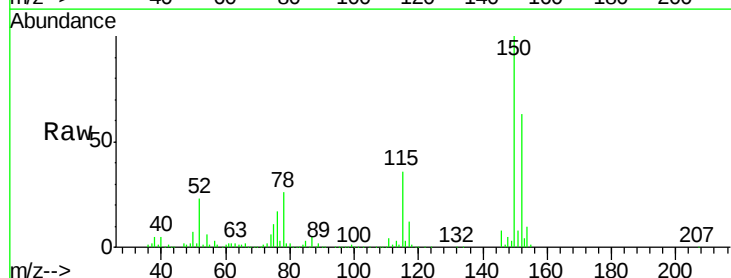
Tgt Ion:152 Resp: 163139

Ion Ratio Lower Upper

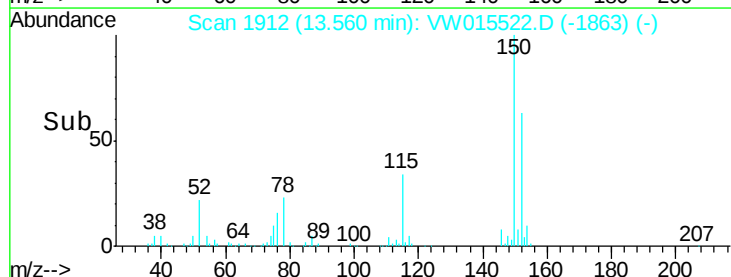
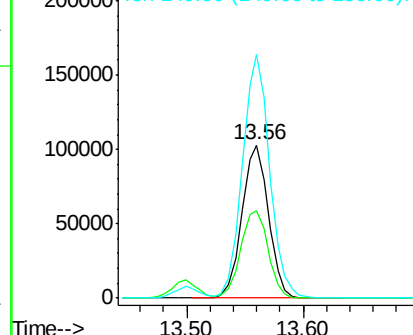
152 100

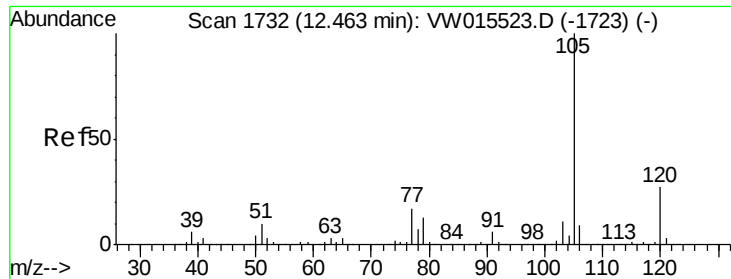
115 59.2 30.0 90.0

150 163.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





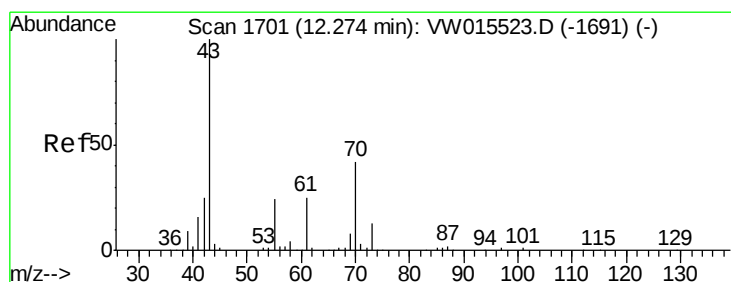
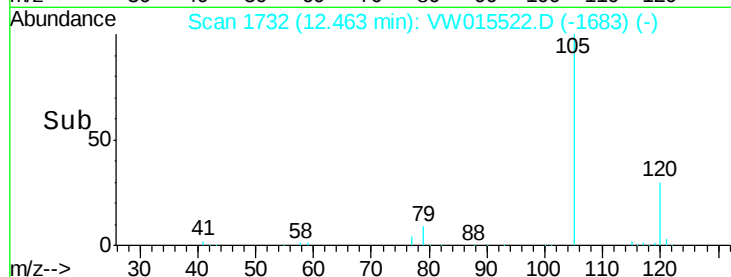
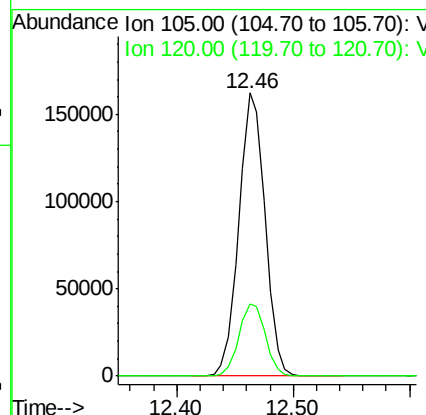
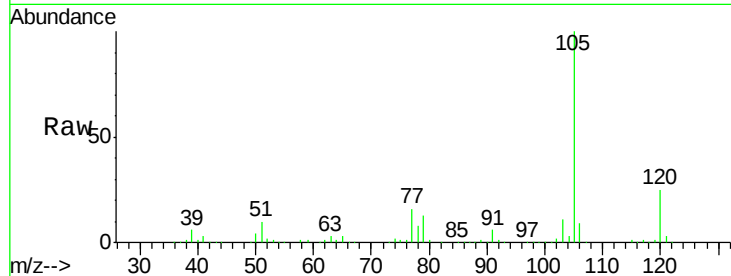
#73
Isopropylbenzene
Concen: 20.625 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

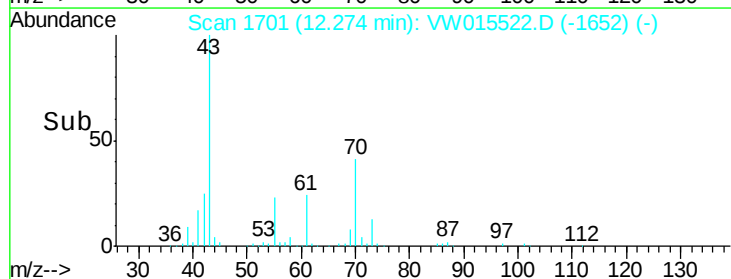
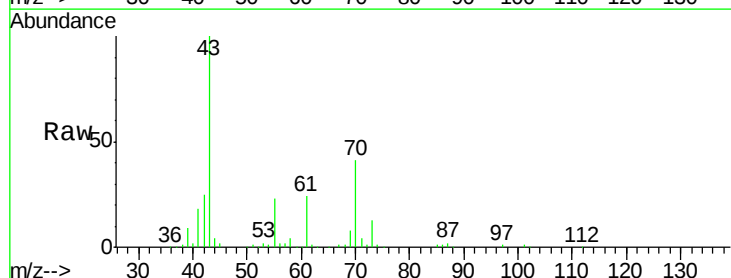
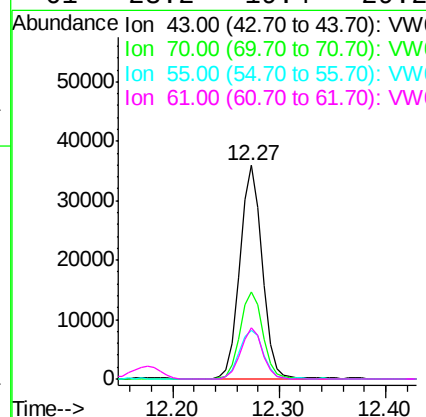
Manual Integrations
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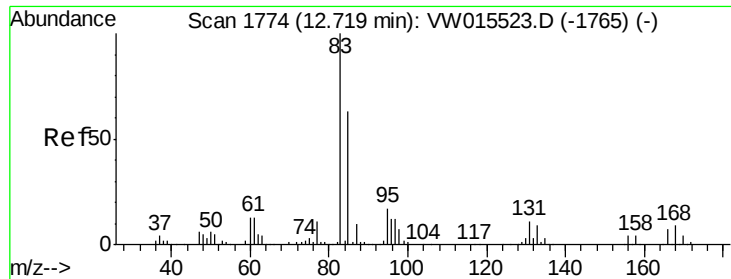
MMDadoda
6/2/2020 4:00:15 PM



#74
N-ethyl acetate
Concen: 18.289 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.6	50.4
55	24.4	19.1	28.7
61	23.2	19.4	29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.805 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

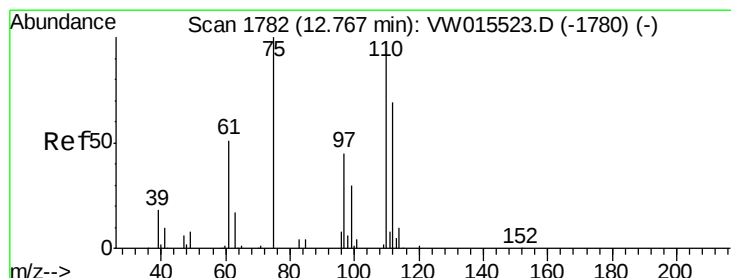
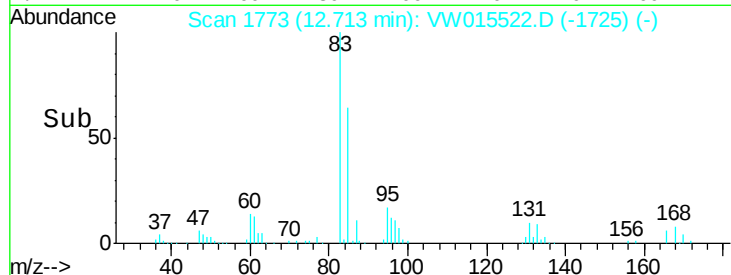
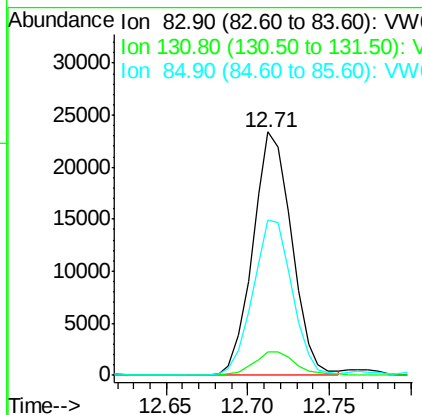
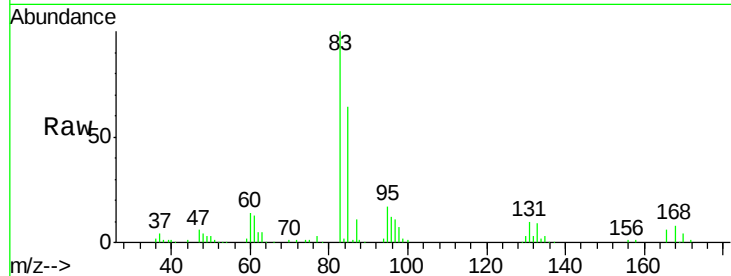
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	38624
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	64.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.726 ug/l m

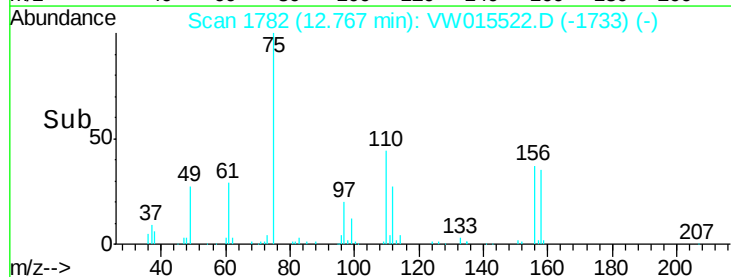
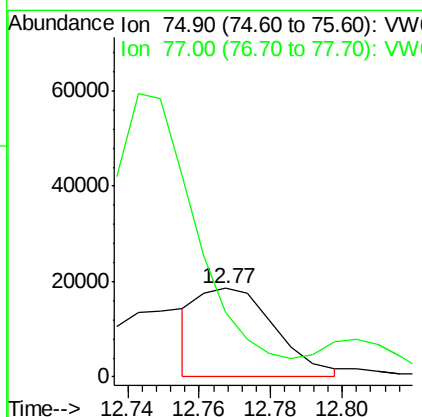
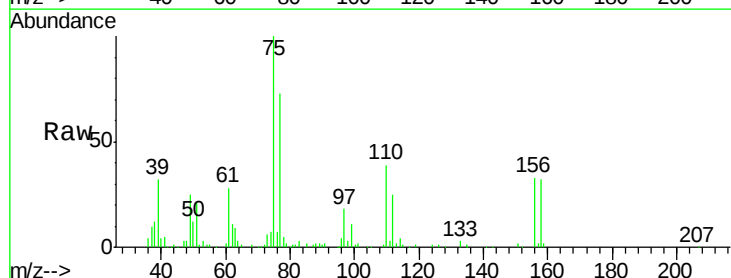
RT: 12.77 min Scan# 1782

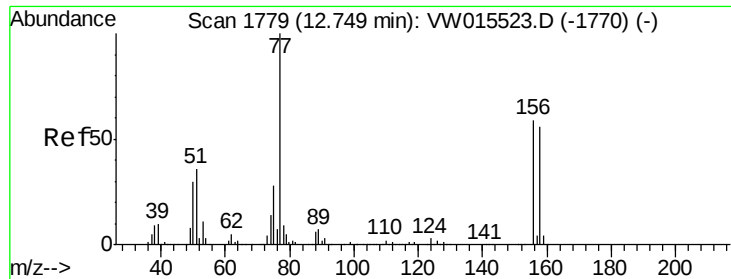
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	75	Resp:	27840
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.595 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

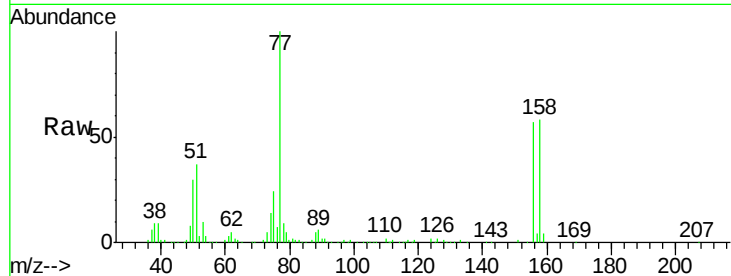
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	54254
Ion	Ratio	Lower	Upper
156	100		
77	197.3	97.3	291.8
158	98.4	48.5	145.6

Manual Integrations
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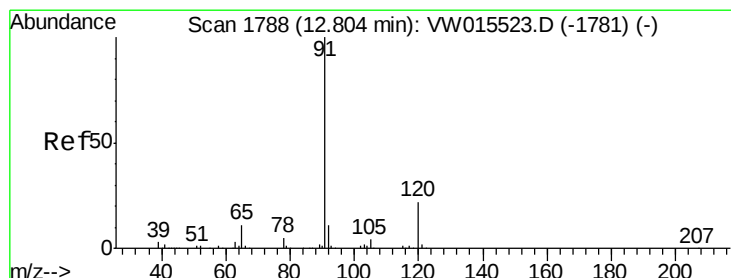
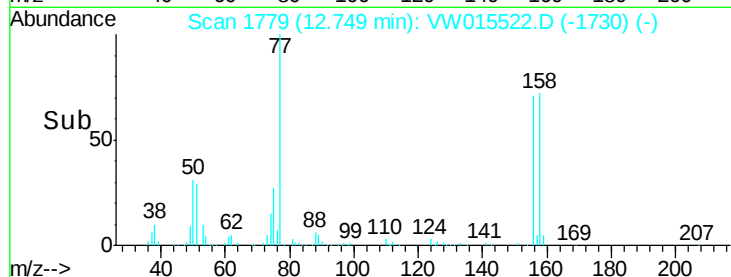
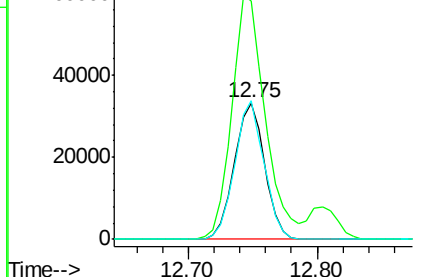
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.548 ug/l

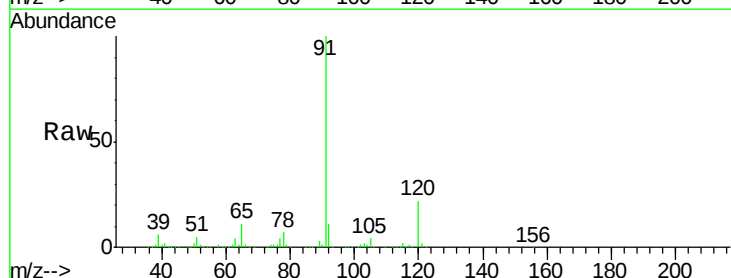
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015522.D

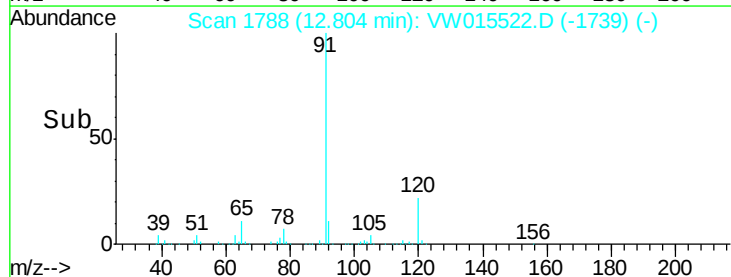
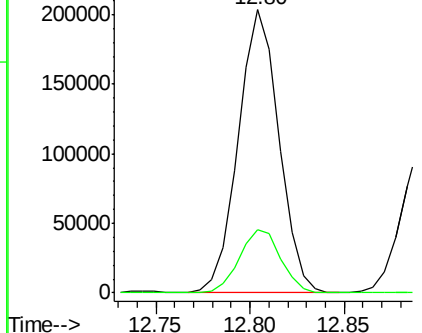
Acq: 02 Jun 2020 12:13

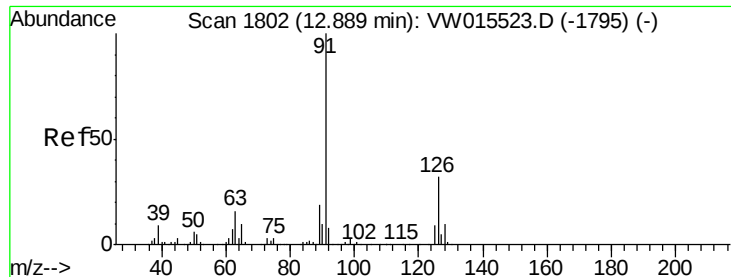
Tgt Ion:	91	Resp:	303901
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.618 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 172076

Ion Ratio Lower Upper

91 100

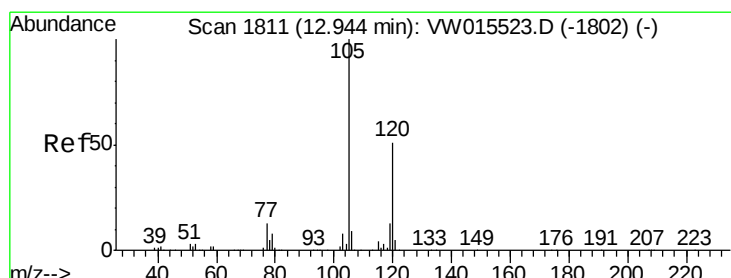
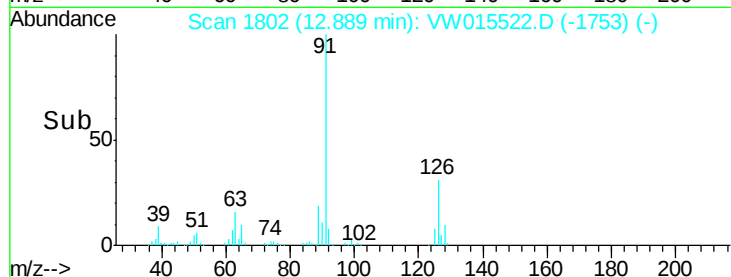
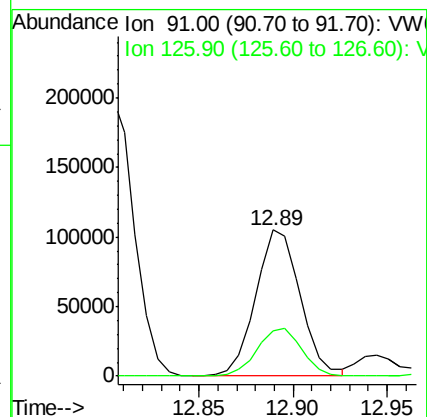
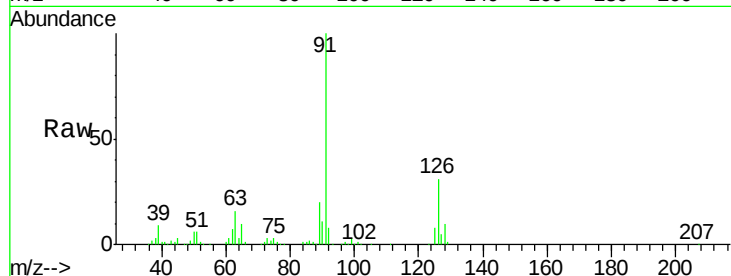
126 33.0 16.2 48.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.863 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015522.D

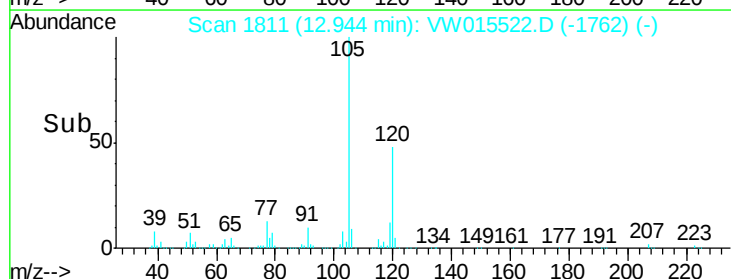
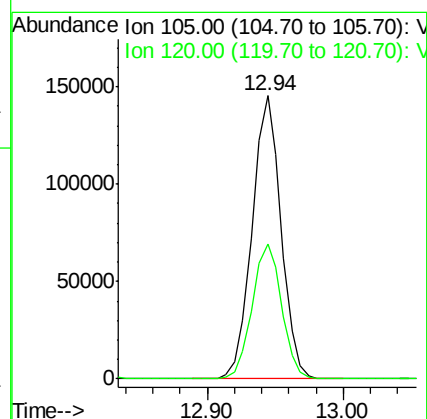
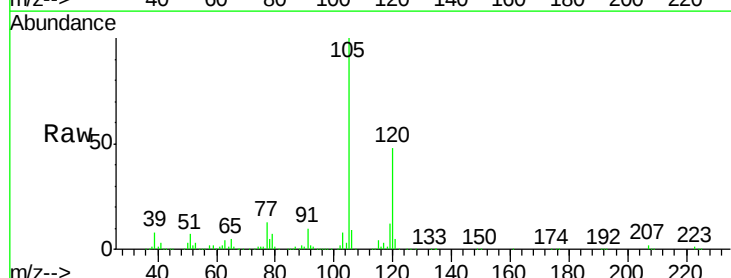
Acq: 02 Jun 2020 12:13

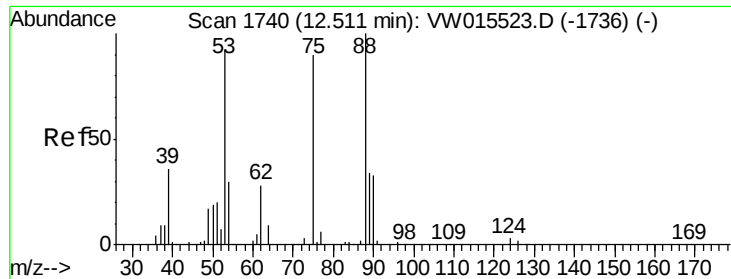
Tgt Ion: 105 Resp: 216359

Ion Ratio Lower Upper

105 100

120 48.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.999 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

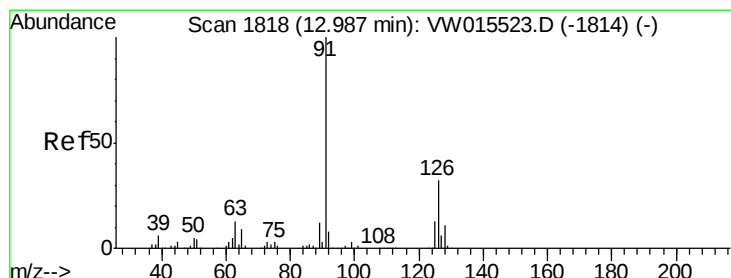
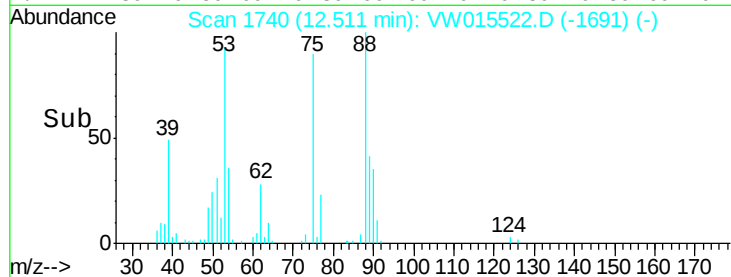
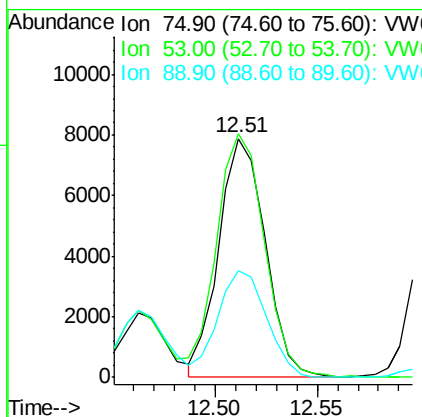
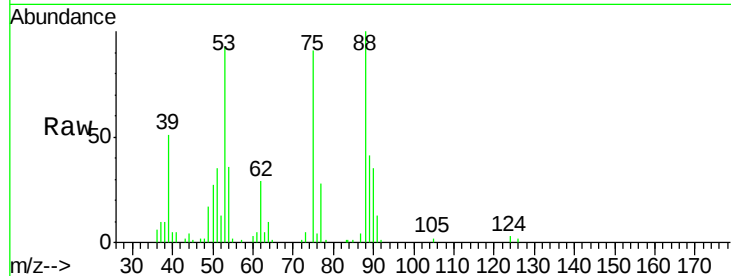
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	12436
Ion	Ratio	Lower	Upper
75	100		
53	106.8	84.0	126.0
89	46.9	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.390 ug/l

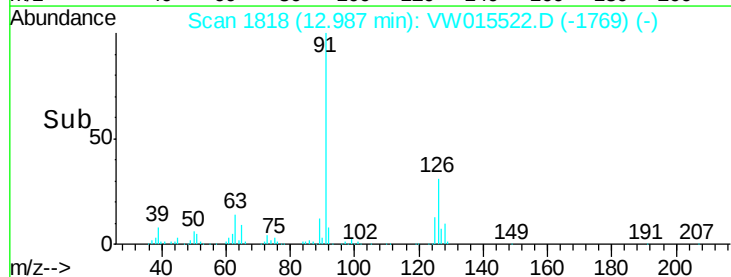
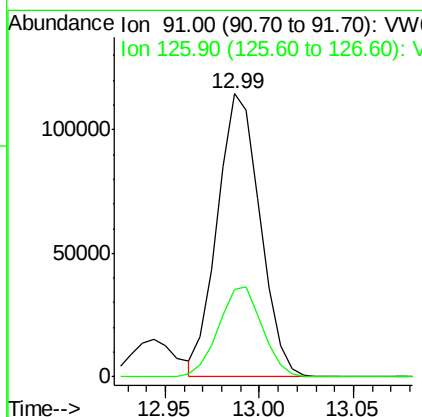
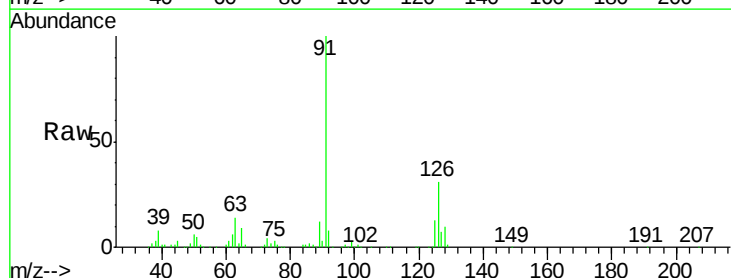
RT: 12.99 min Scan# 1818

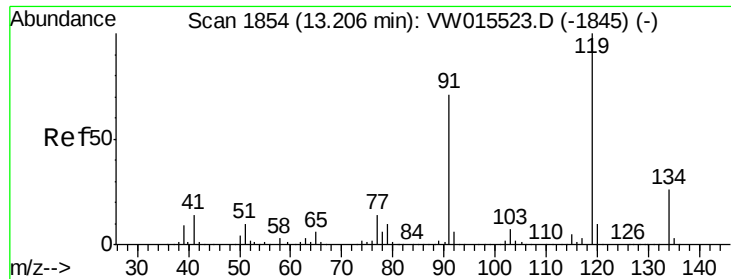
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion:	91	Resp:	179723
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4





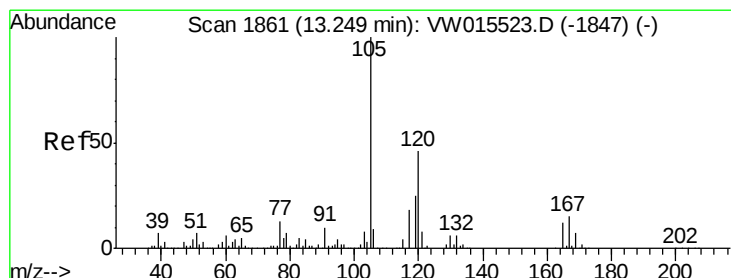
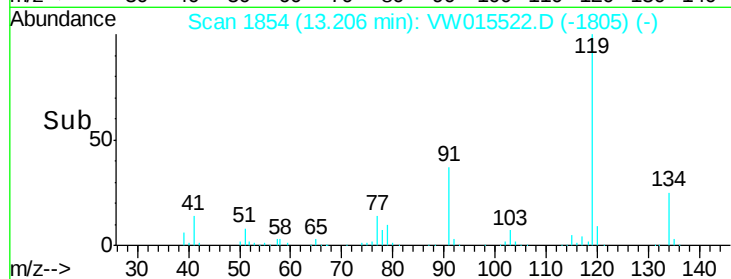
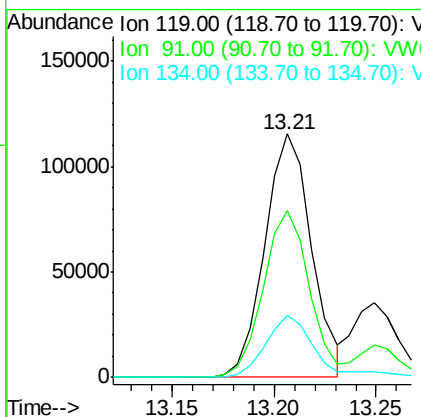
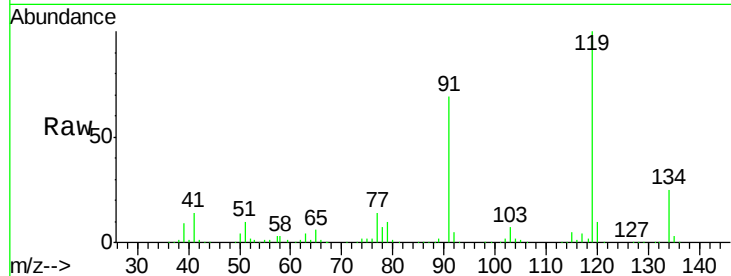
#83
tert-Butylbenzene
Concen: 20.827 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.2	102.5
134	25.1	12.7	38.1

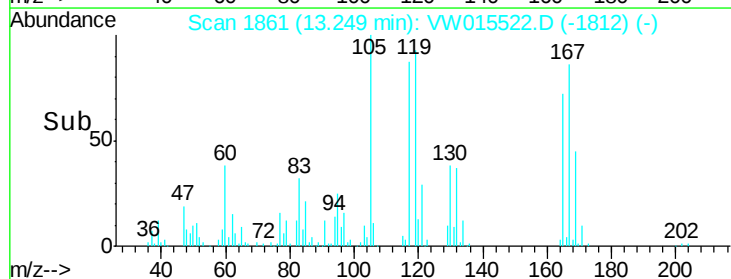
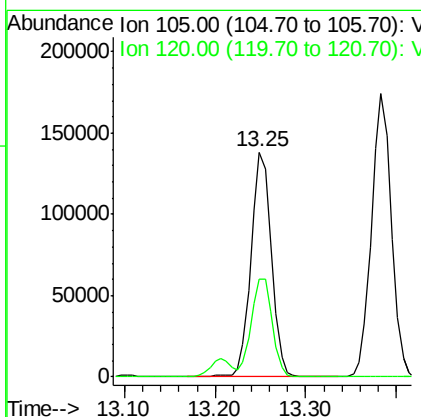
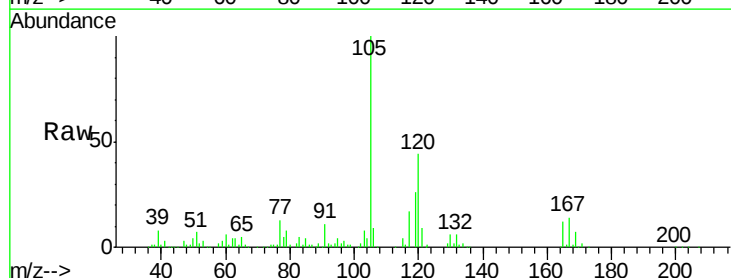
Manual Integrations
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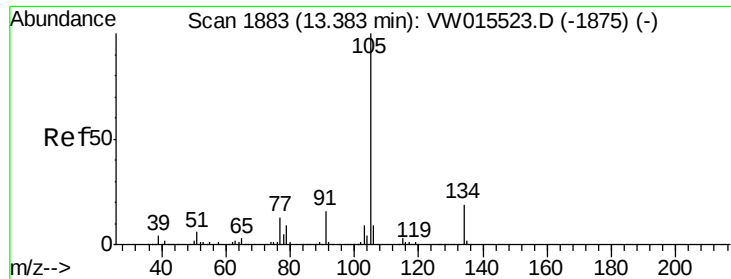
MMDadoda
6/2/2020 4:00:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.818 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 21.157 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 263754

Ion Ratio Lower Upper

105 100

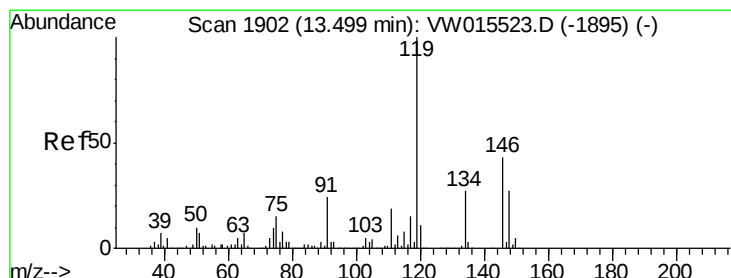
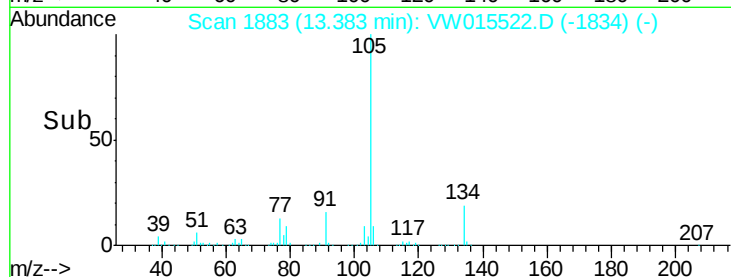
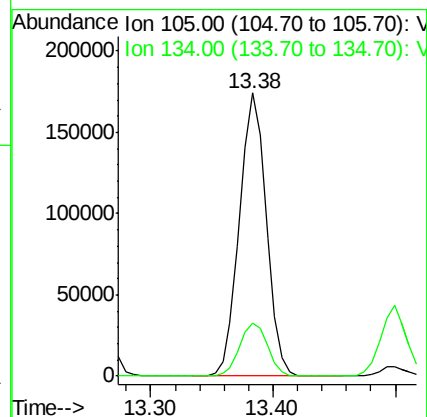
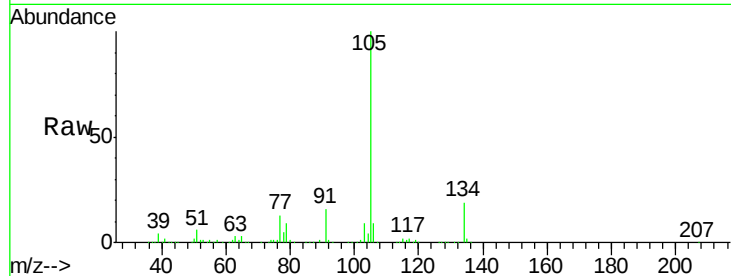
134 19.6 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 21.243 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

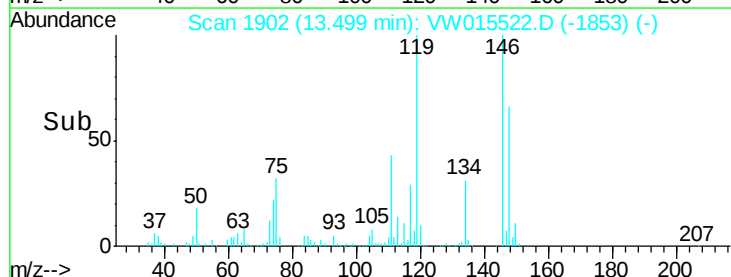
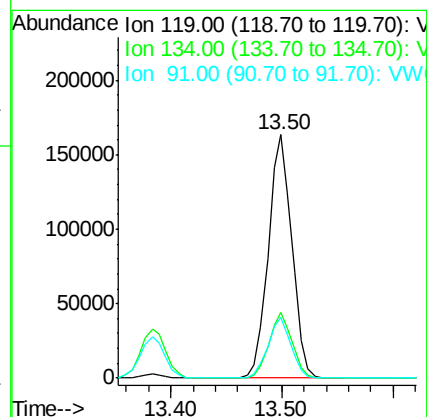
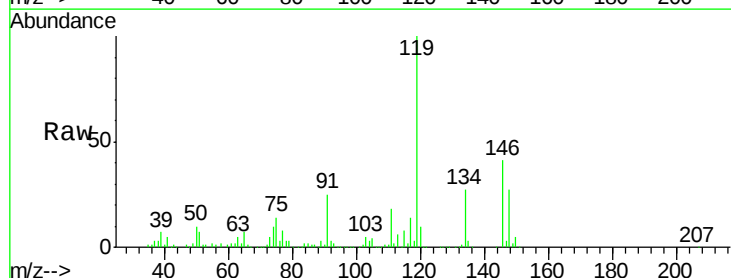
Tgt Ion:119 Resp: 241517

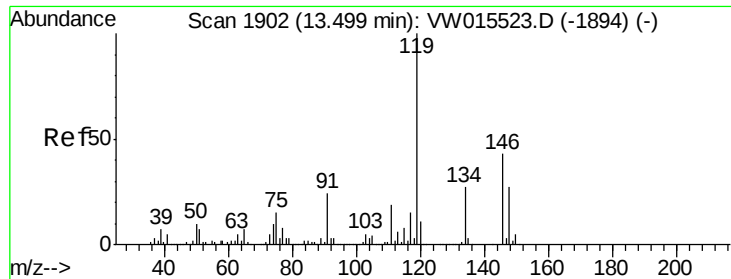
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 24.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.869 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

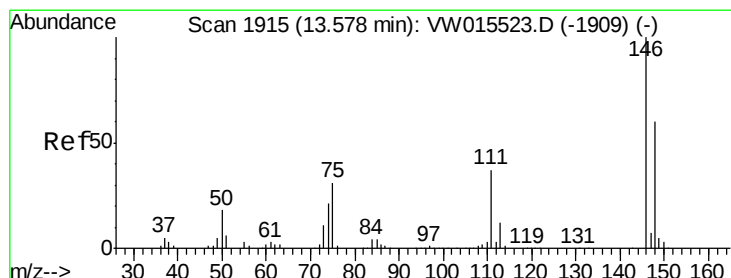
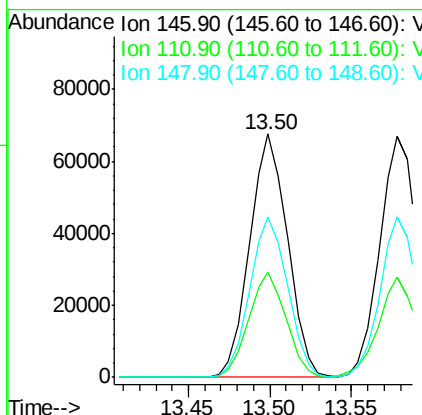
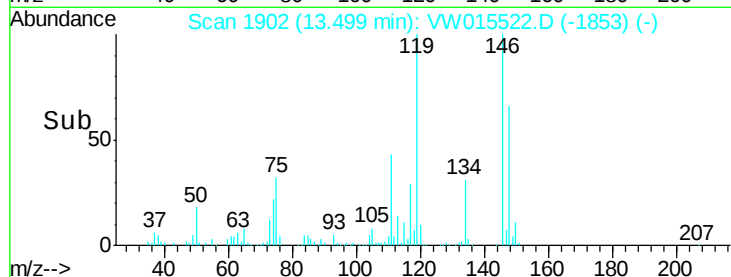
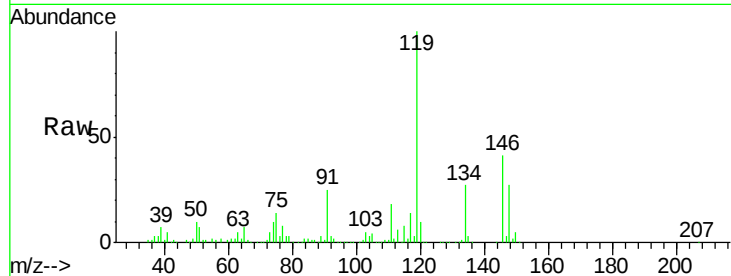
Instrument :
MSVOA_W

ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.5
148	66.1	31.2	93.6

Manual Integrations
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6/2/2020 4:00:15 PM



#88

1,4-Dichlorobenzene

Concen: 20.845 ug/l

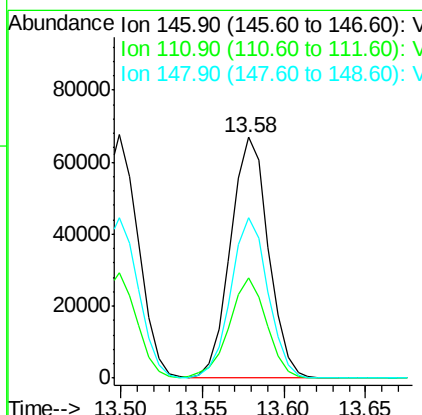
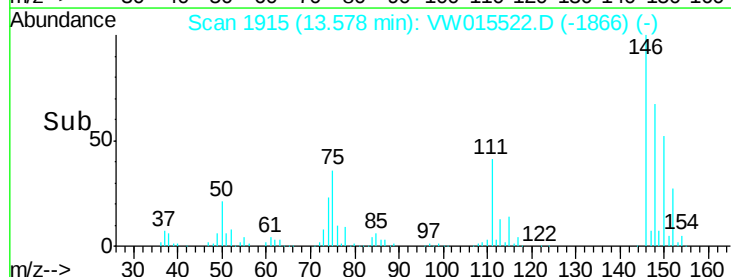
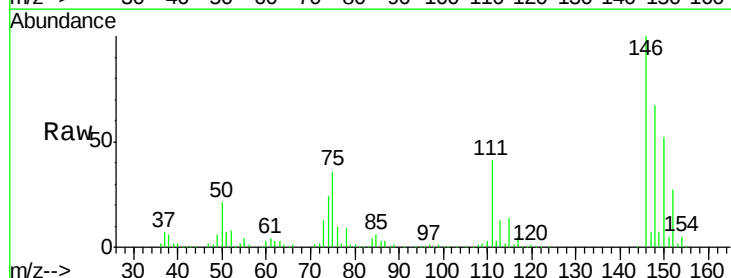
RT: 13.58 min Scan# 1915

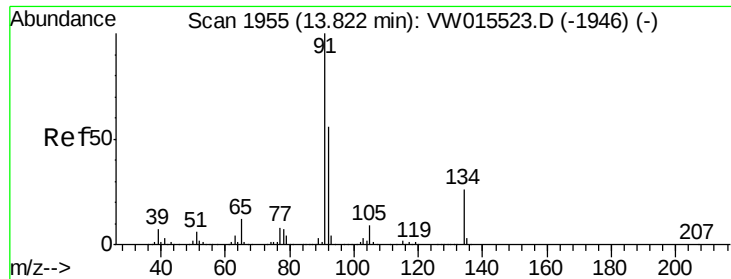
Delta R.T. 0.00 min

Lab File: VW015522.D

Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	65.5	30.9	92.7





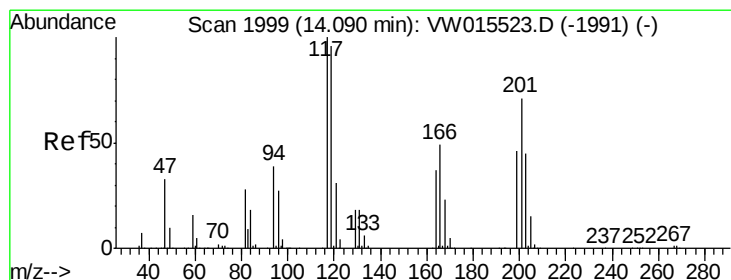
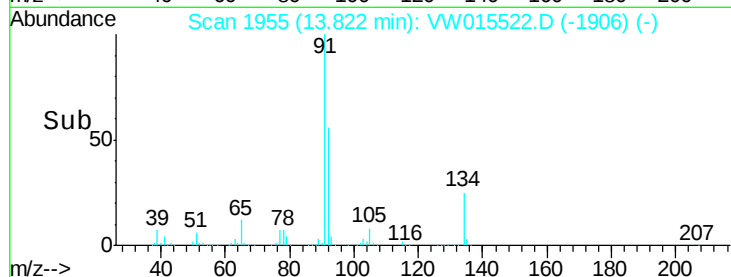
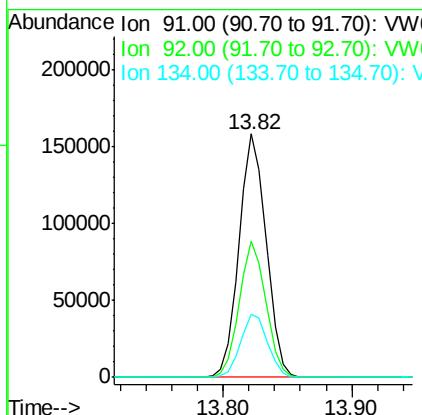
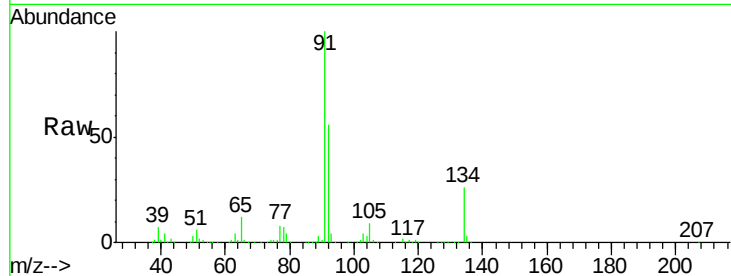
#89
n-Butylbenzene
Concen: 20.835 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	230690		
92	54.9	27.3	81.9	
134	26.0	13.1	39.1	

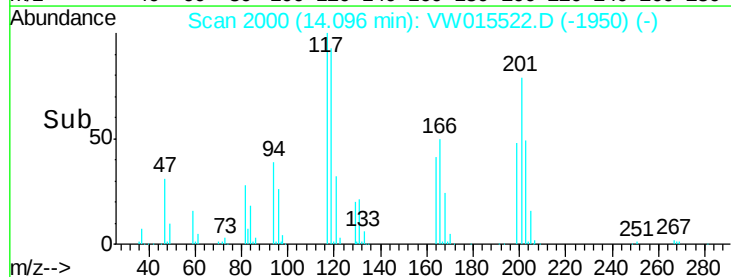
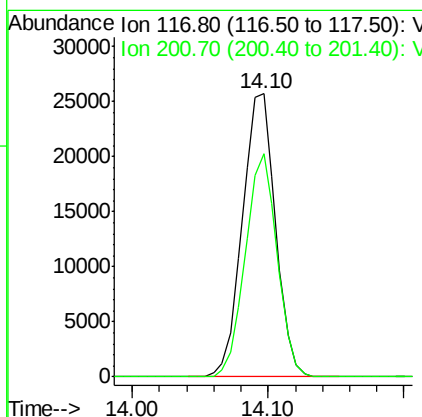
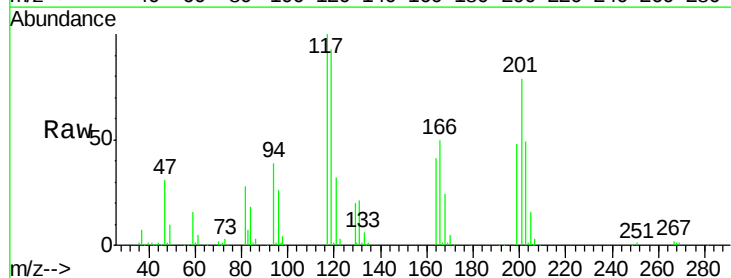
Manual Integrations
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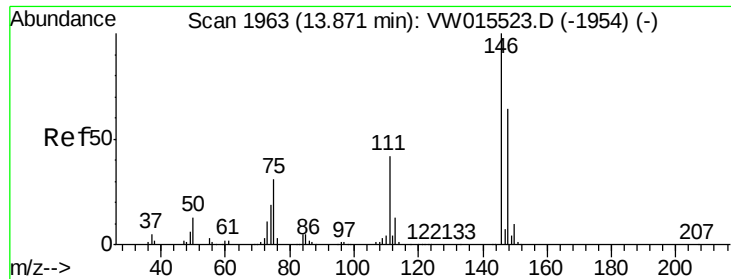
MMDadoda
6/2/2020 4:00:15 PM



#90
Hexachloroethane
Concen: 20.884 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43840		
201	75.8	38.5	115.3	





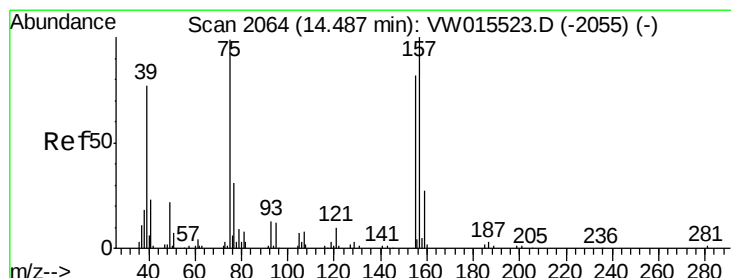
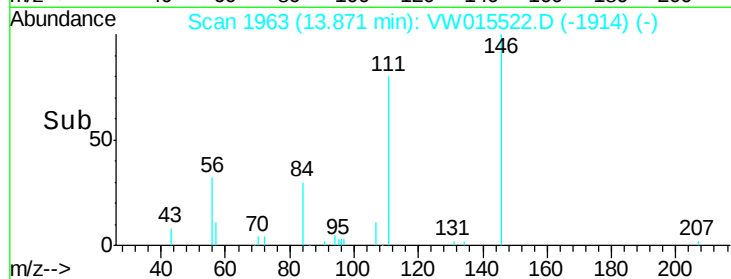
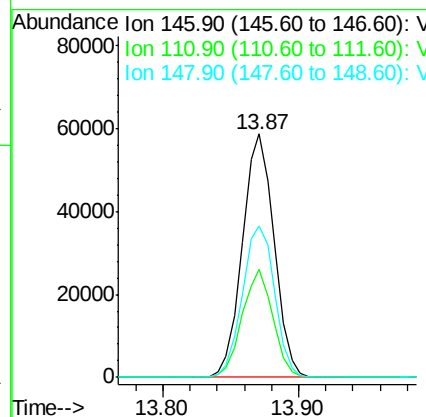
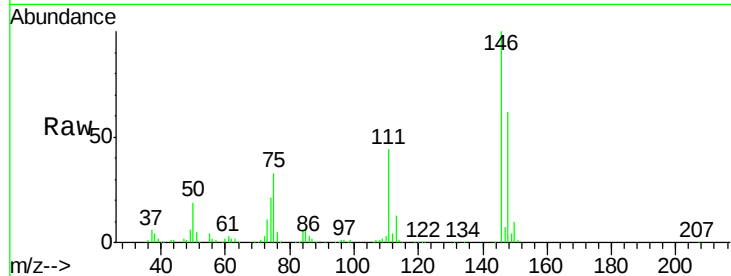
#91
 1,2-Dichlorobenzene
 Concen: 20.946 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	63.3	32.1	96.5

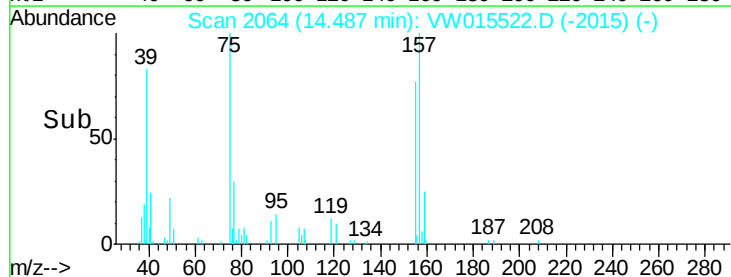
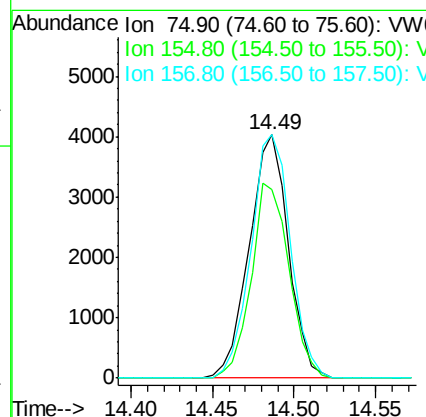
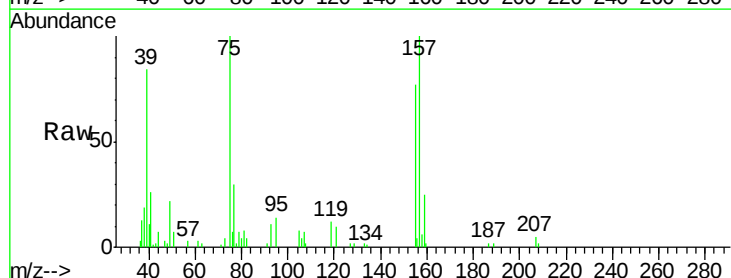
Manual Integrations
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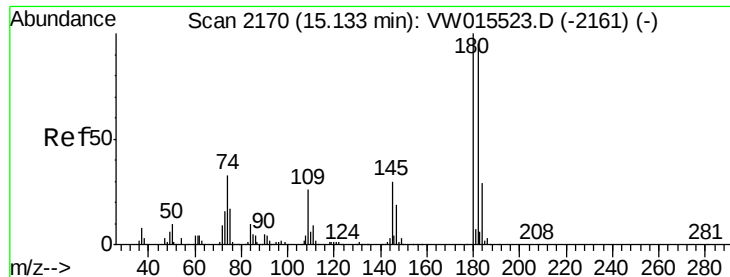
MMDadoda
 6/2/2020 4:00:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.772 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015522.D
 Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	40.4	121.1
157	100.8	50.5	151.6





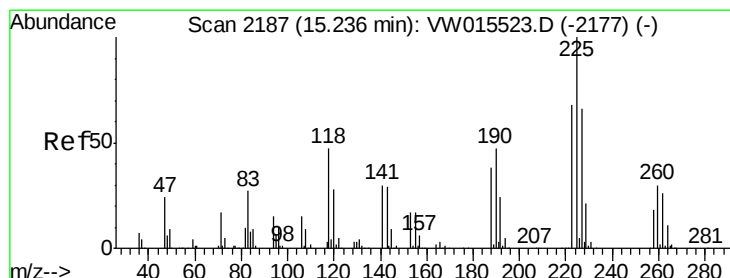
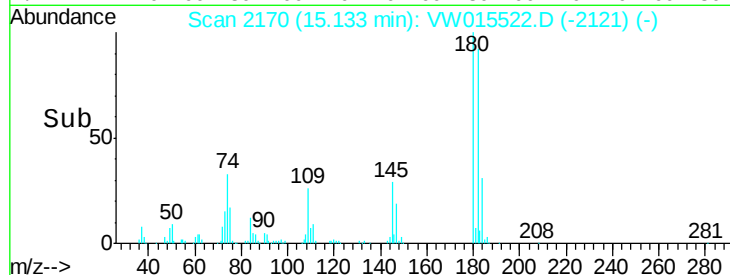
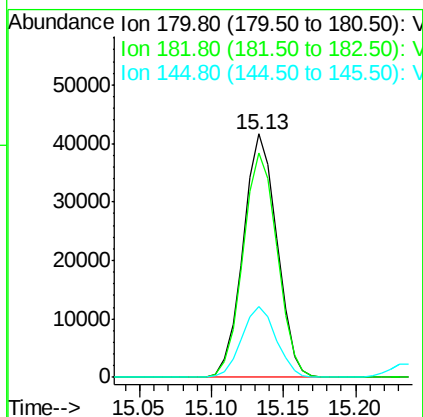
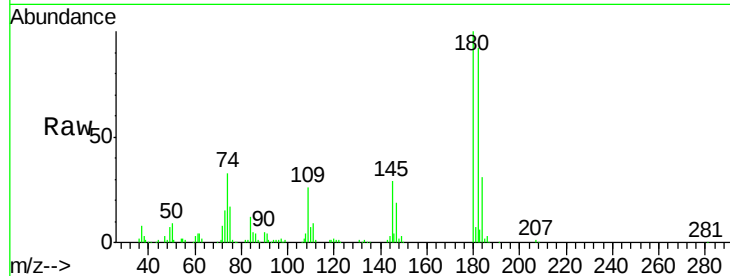
#93
1,2,4-Trichlorobenzene
Concen: 22.116 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.7	143.1
145	29.6	15.4	46.2

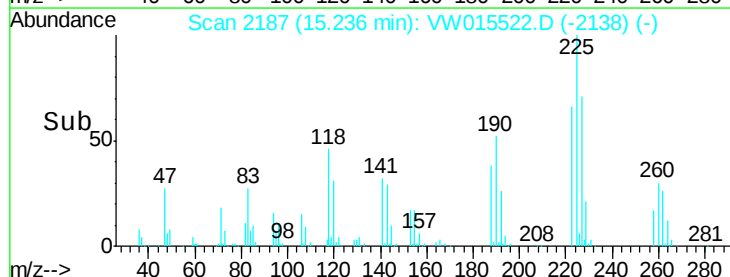
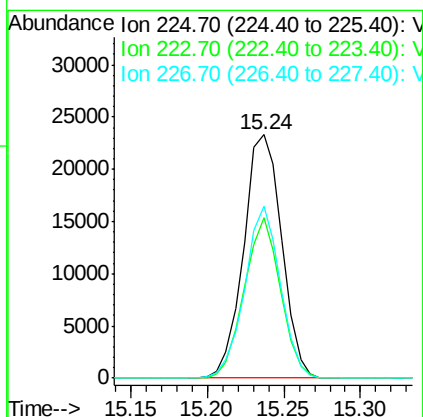
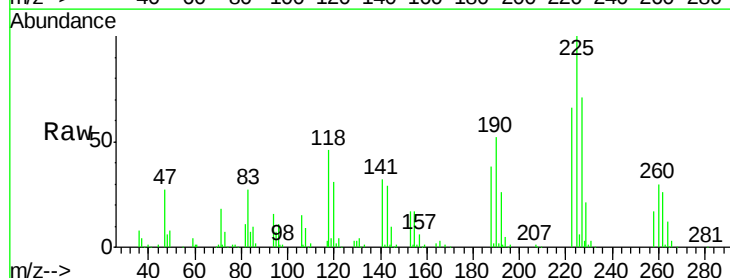
Manual Integrations
APPROVED

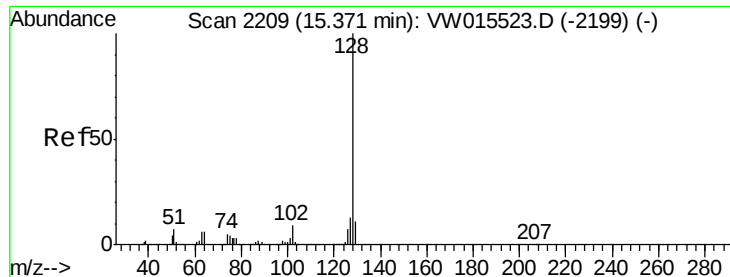
MMDadoda
6/2/2020 4:00:15 PM



#94
Hexachlorobutadiene
Concen: 22.278 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.4
227	65.8	32.6	97.8





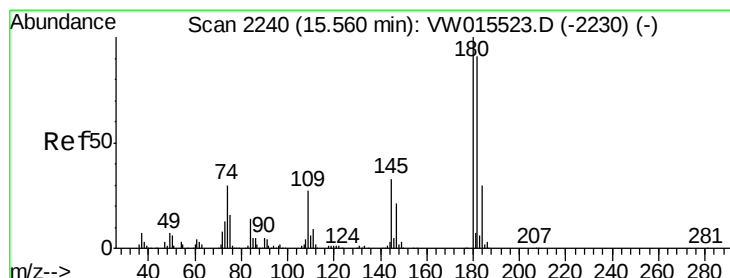
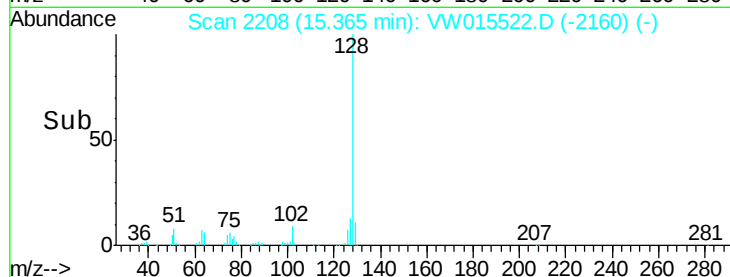
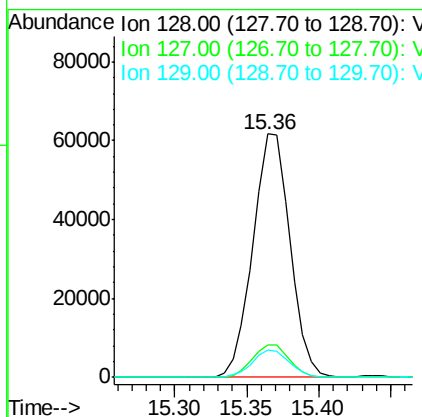
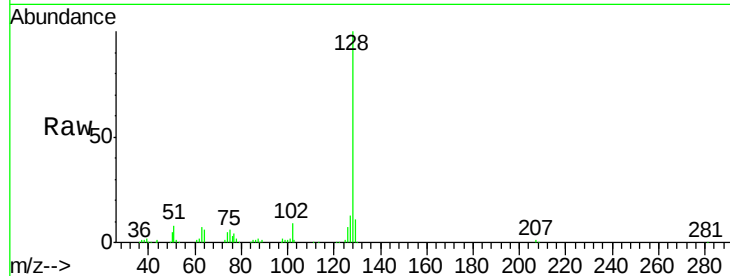
#95
Naphthalene
Concen: 20.128 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
APPROVED

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6/2/2020 4:00:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.281 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015522.D
Acq: 02 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.4
145	33.6	16.3	48.8

