

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015654.D
 Acq On : 23 Jun 2020 11:40
 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
 6/24/2020 10:58:12 AM

Quant Time: Jun 23 12:50:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	324594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155107	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48777	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	7.88	113	42091	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
50) Toluene-d8	10.32	98	167052	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	
62) 4-Bromofluorobenzene	12.62	95	62466	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	23007	19.736	ug/l	92
3) Chloromethane	2.21	50	26998	19.034	ug/l	96
4) Vinyl Chloride	2.37	62	46660	20.953	ug/l	99
5) Bromomethane	2.78	94	35397	22.598	ug/l	98
6) Chloroethane	2.93	64	30947	21.463	ug/l	99
7) Trichlorofluoromethane	3.26	101	33859	20.243	ug/l	99
8) Diethyl Ether	3.68	74	20862	21.183	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	41640	20.734	ug/l	99
10) Methyl Iodide	4.27	142	58244	19.830	ug/l	100
11) Tert butyl alcohol	5.19	59	16680	101.963	ug/l	98
12) 1,1-Dichloroethene	4.04	96	39872	20.018	ug/l	99
13) Acrolein	3.90	56	17903	133.224	ug/l	97
14) Allyl chloride	4.67	41	64300	19.238	ug/l	99
15) Acrylonitrile	5.37	53	43759	109.431	ug/l	99
16) Acetone	4.13	43	43801	100.136	ug/l	97
17) Carbon Disulfide	4.39	76	112274	18.905	ug/l	98
18) Methyl Acetate	4.68	43	22177	23.375	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63331	21.036	ug/l	100
20) Methylene Chloride	4.92	84	47738	21.072	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	44807	19.997	ug/l	96
22) Diisopropyl ether	6.32	45	131391	20.718	ug/l	98
23) Vinyl Acetate	6.26	43	388473	104.429	ug/l	100
24) 1,1-Dichloroethane	6.22	63	81601	20.405	ug/l	99
25) 2-Butanone	7.18	43	60971	108.344	ug/l	99
26) 2,2-Dichloropropane	7.17	77	54493	19.420	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	49807	20.441	ug/l	99
28) Bromochloromethane	7.52	49	32521	21.693	ug/l	100
29) Tetrahydrofuran	7.54	42	36428	108.484	ug/l	99
30) Chloroform	7.68	83	83729	20.741	ug/l	100
31) Cyclohexane	7.96	56	77176	19.561	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	70311	20.088	ug/l	98
36) 1,1-Dichloropropene	8.09	75	67091	20.188	ug/l	100
37) Ethyl Acetate	7.26	43	27183	21.706	ug/l	99
38) Carbon Tetrachloride	8.07	117	65357	20.191	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79715	19.462	ug/l	98
40) Benzene	8.33	78	182940	20.471	ug/l	98
41) Methacrylonitrile	7.49	41	16341	23.045	ug/l	90
42) 1,2-Dichloroethane	8.40	62	59201	21.820	ug/l	100
43) Isopropyl Acetate	8.43	43	54741	22.030	ug/l	99
44) Trichloroethene	9.10	130	49825	20.817	ug/l	98
45) 1,2-Dichloropropane	9.37	63	45403	20.924	ug/l	98
46) Dibromomethane	9.46	93	23167	21.049	ug/l	98
47) Bromodichloromethane	9.65	83	61015	20.446	ug/l	98
48) Methyl methacrylate	9.44	41	24112	21.170	ug/l	97
49) 1,4-Dioxane	9.46	88	6084	419.720	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	132419	112.104	ug/l	98
52) Toluene	10.39	92	118172	20.480	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	57564	19.728	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	69654	20.098	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32832	21.376	ug/l	95
56) Ethyl methacrylate	10.65	69	41664	21.019	ug/l	95
57) 1,3-Dichloropropane	10.93	76	57954	21.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	103086	108.762	ug/l	99
59) 2-Hexanone	10.97	43	89666	110.426	ug/l	99
60) Dibromochloromethane	11.13	129	38367	20.531	ug/l	97
61) 1,2-Dibromoethane	11.24	107	32120	21.881	ug/l	100
64) Tetrachloroethene	10.87	164	40911	19.876	ug/l	98
65) Chlorobenzene	11.66	112	128268	20.691	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	44532	20.146	ug/l	96
67) Ethyl Benzene	11.73	91	236958	20.298	ug/l	100
68) m/p-Xylenes	11.84	106	177931	40.822	ug/l	100
69) o-Xylene	12.17	106	81290	20.091	ug/l	98
70) Styrene	12.18	104	140486	20.329	ug/l	98
71) Bromoform	12.35	173	20779	19.899	ug/l #	100
73) Isopropylbenzene	12.47	105	229560	19.309	ug/l	100
74) N-amyl acetate	12.27	43	51108	20.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	38989	21.595	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29440m	22.545	ug/l	
77) Bromobenzene	12.75	156	50970	19.865	ug/l	96
78) n-propylbenzene	12.80	91	281636	19.774	ug/l	100
79) 2-Chlorotoluene	12.90	91	157594	19.600	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	200317	19.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11048	18.727	ug/l	95
82) 4-Chlorotoluene	12.99	91	169835	20.379	ug/l	99
83) tert-Butylbenzene	13.21	119	162931	19.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	197366	19.701	ug/l	100
85) sec-Butylbenzene	13.38	105	237880	19.625	ug/l	100
86) p-Isopropyltoluene	13.50	119	215009	19.445	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104402	20.467	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103702	20.577	ug/l	97
89) n-Butylbenzene	13.82	91	207695	19.497	ug/l	99
90) Hexachloroethane	14.10	117	37980	18.744	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91232	20.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6390	20.748	ug/l	95

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QLast Update : Tue Jun 23 12:41:55 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59567	19.517	ug/l	98
94) Hexachlorobutadiene	15.24	225	36503	19.422	ug/l	97
95) Naphthalene	15.37	128	99535	19.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50833	19.904	ug/l	97

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

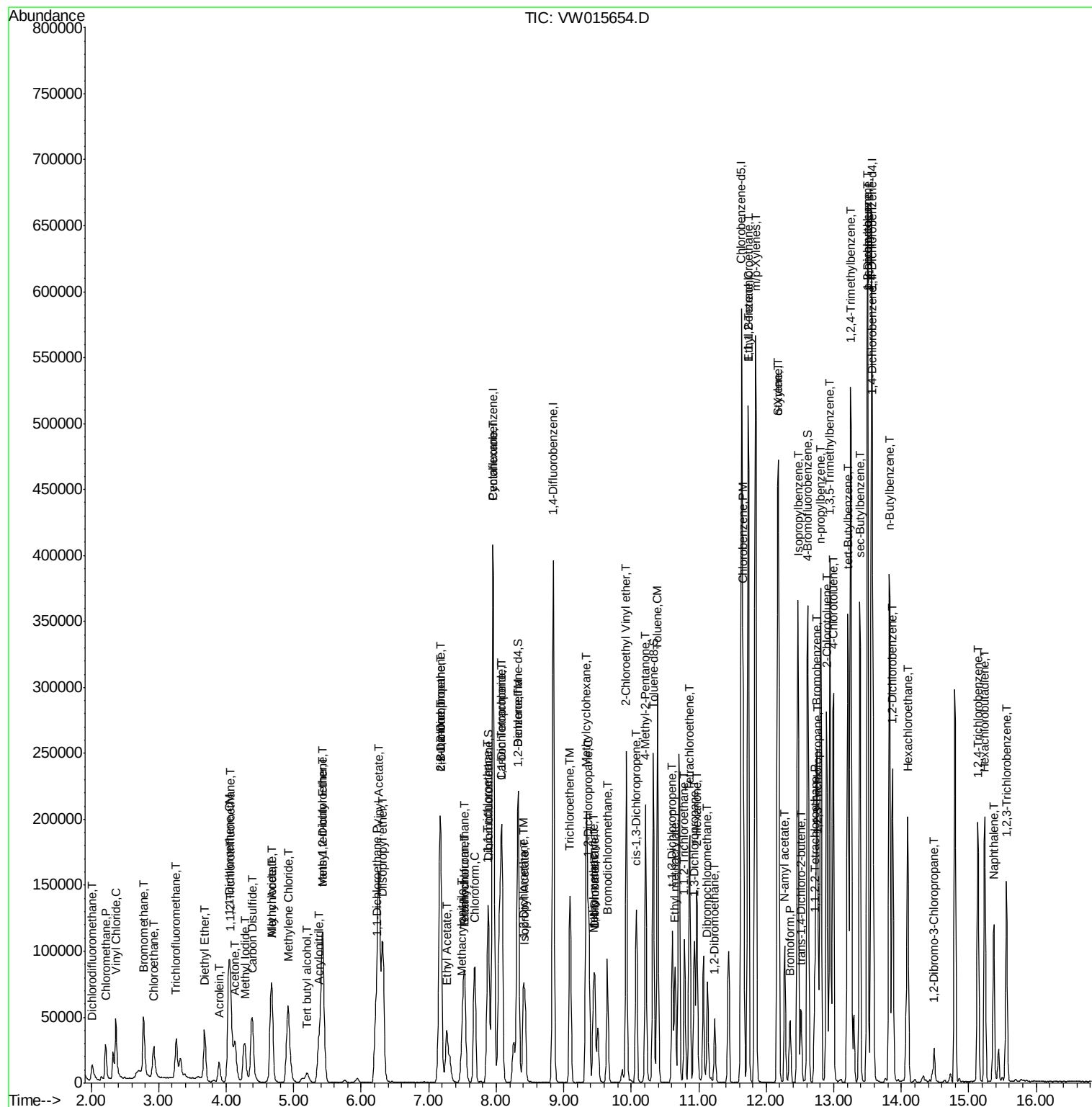
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062320\
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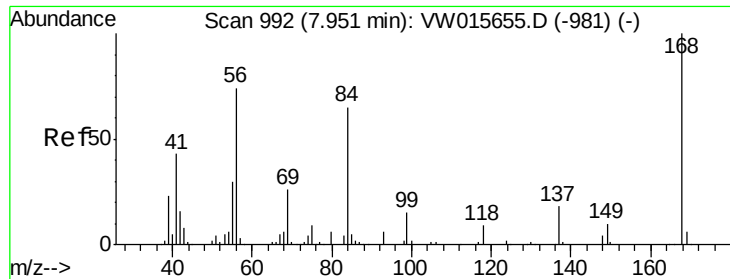
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 205352

Ion Ratio Lower Upper

168 100

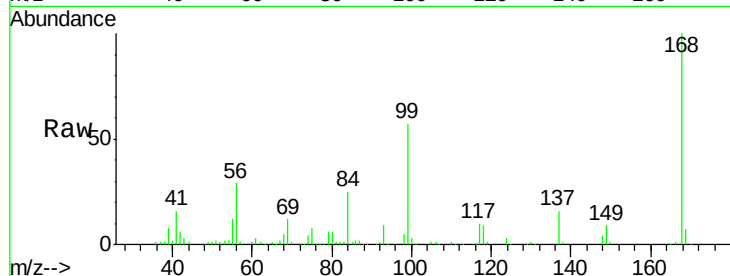
99 57.2 48.6 73.0

Manual Integrations

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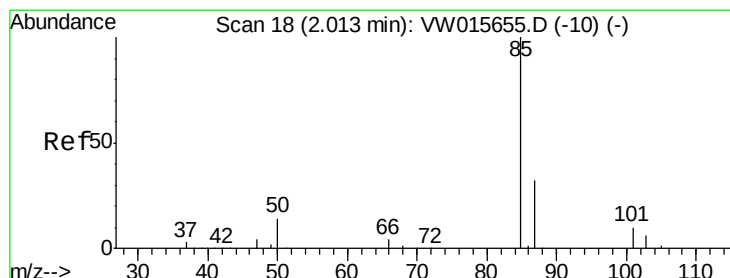
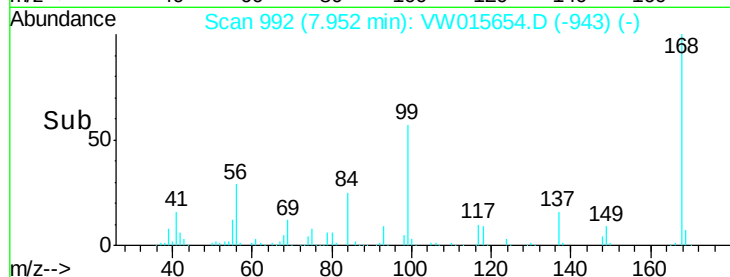
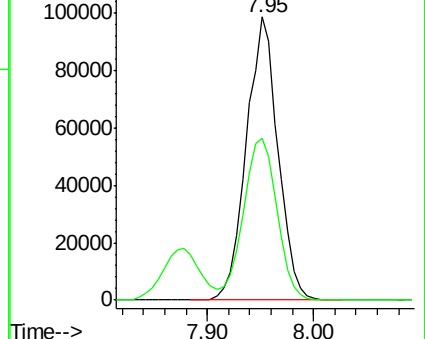
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.736 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015654.D

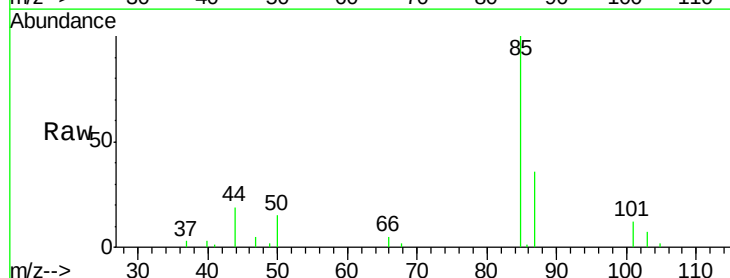
Acq: 23 Jun 2020 11:40

Tgt Ion: 85 Resp: 23007

Ion Ratio Lower Upper

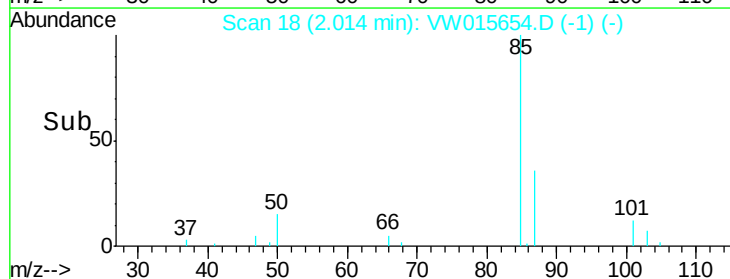
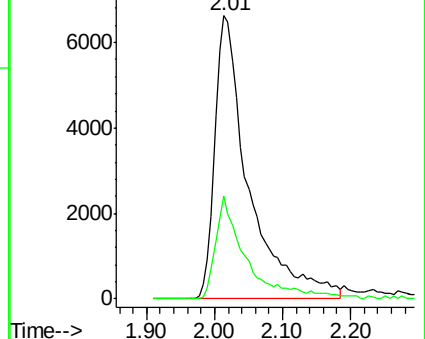
85 100

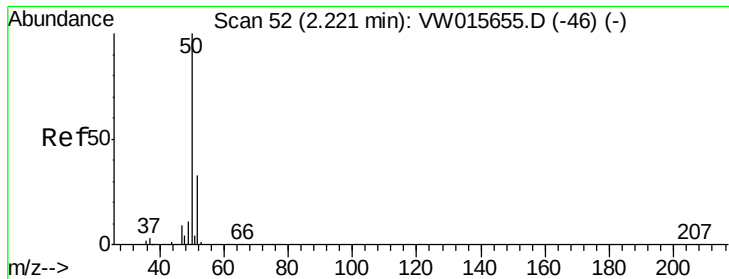
87 36.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.034 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 26998

Ion Ratio Lower Upper

50 100

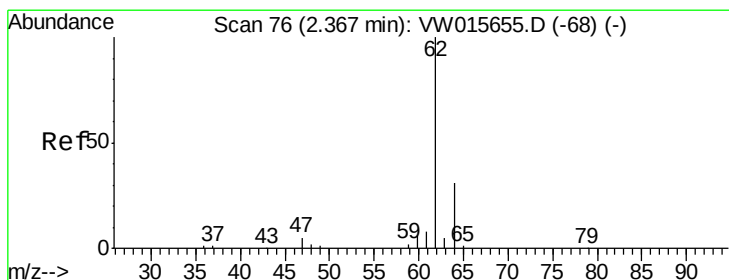
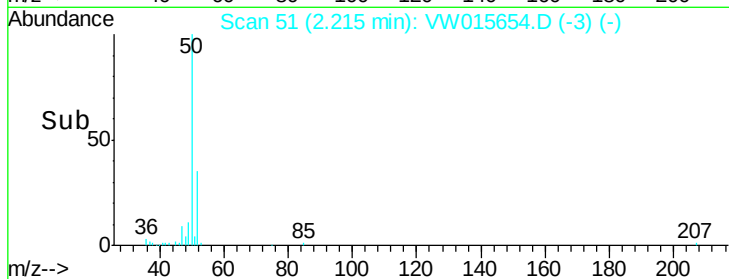
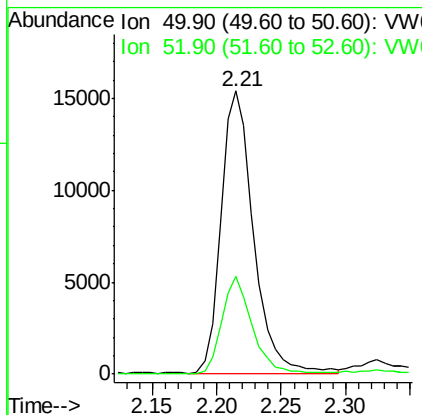
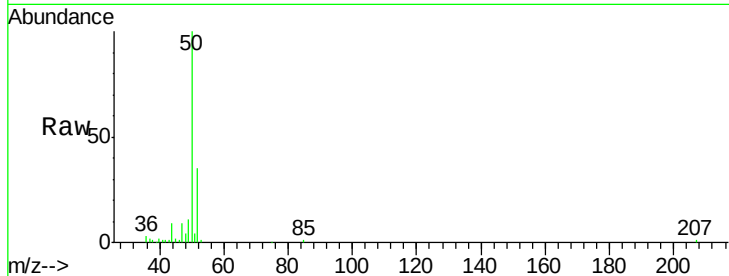
52 34.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.953 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015654.D

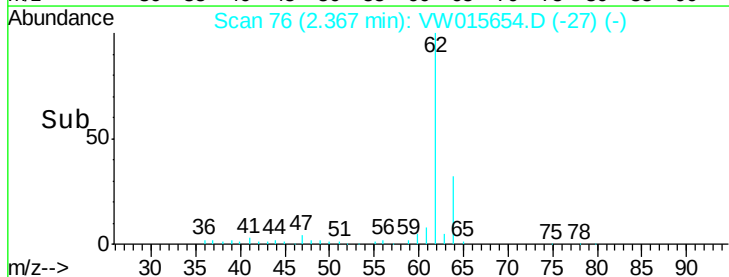
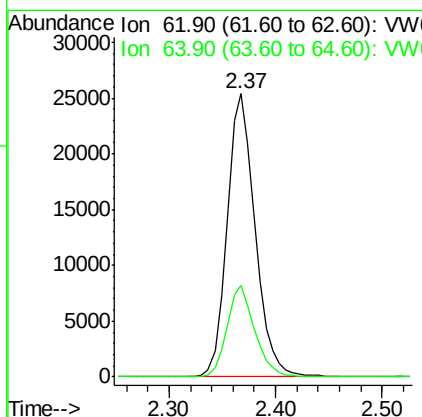
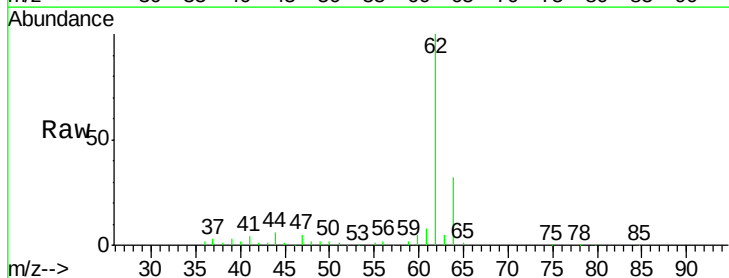
Acq: 23 Jun 2020 11:40

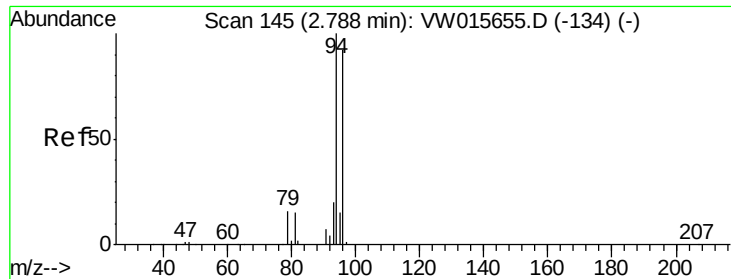
Tgt Ion: 62 Resp: 46660

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 22.598 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 35397

Ion Ratio Lower Upper

94 100

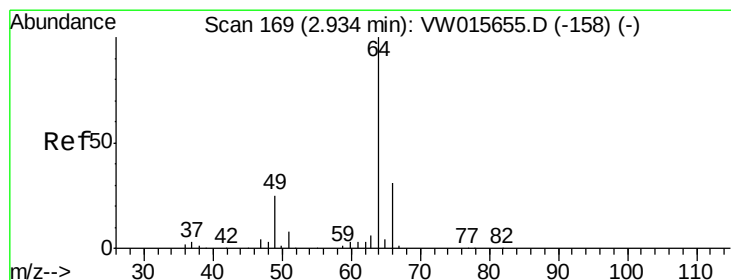
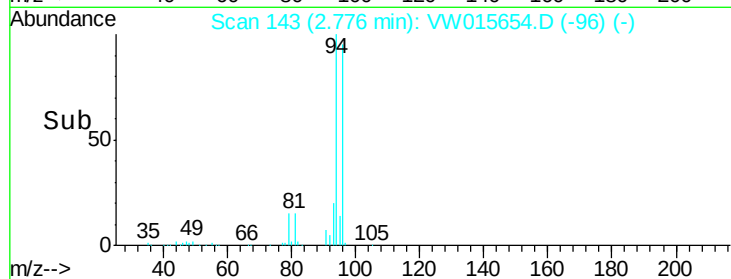
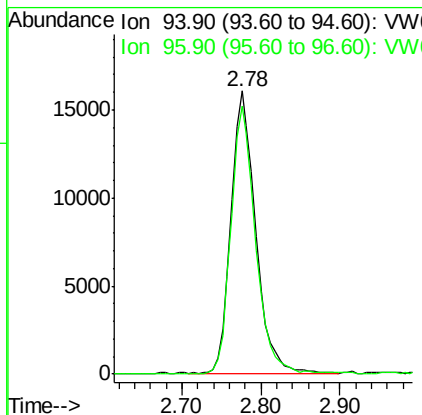
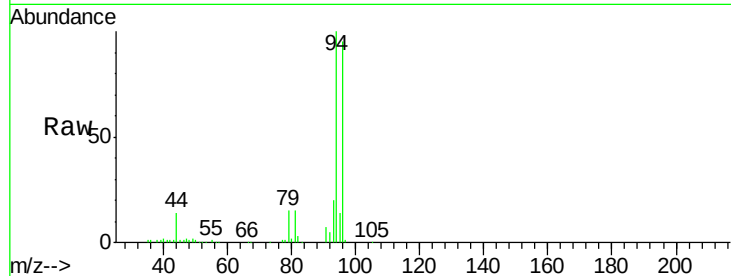
96 94.3 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 21.463 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015654.D

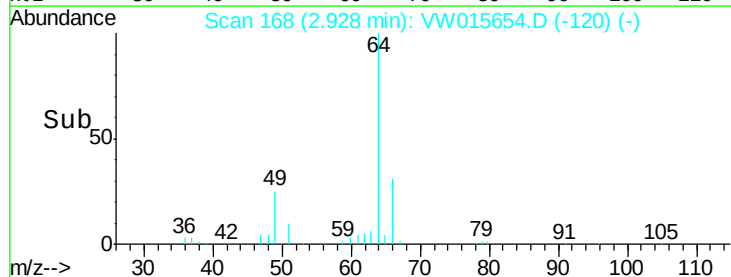
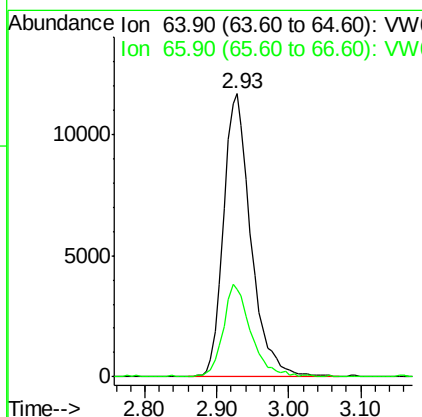
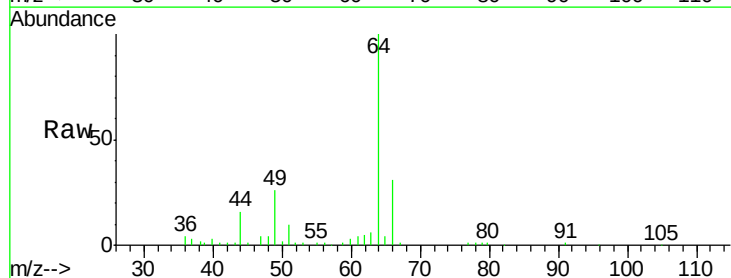
Acq: 23 Jun 2020 11:40

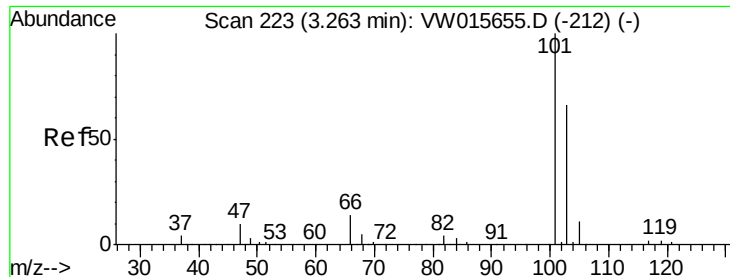
Tgt Ion: 64 Resp: 30947

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

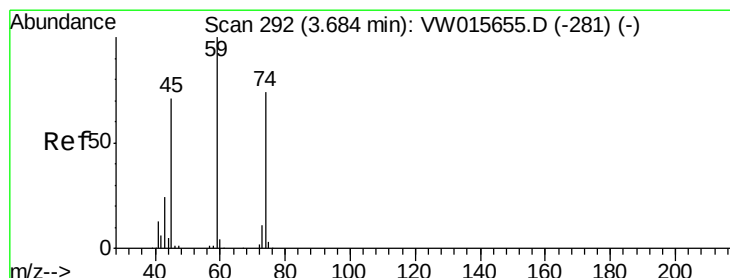
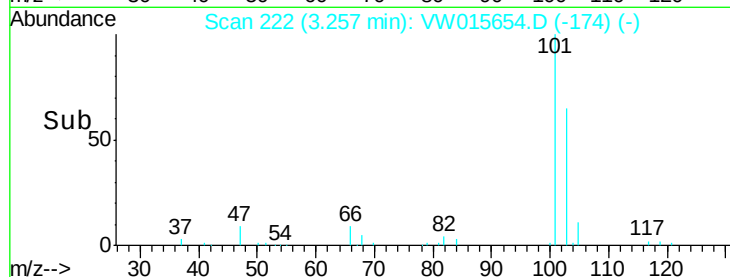
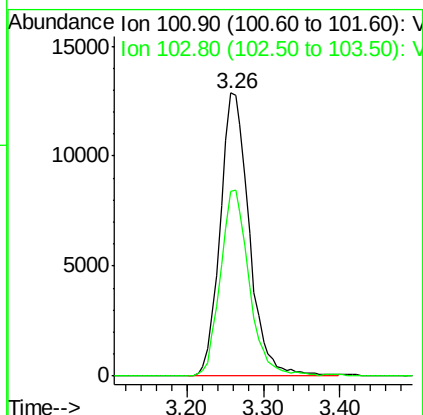
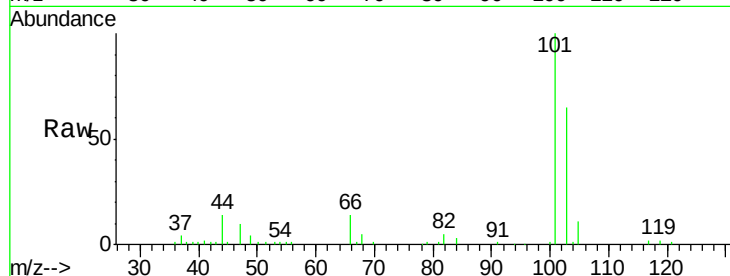
Trichlorofluoromethane
Concen: 20.243 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015654.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	78.8

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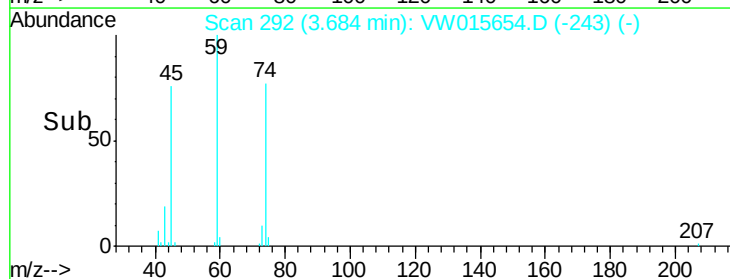
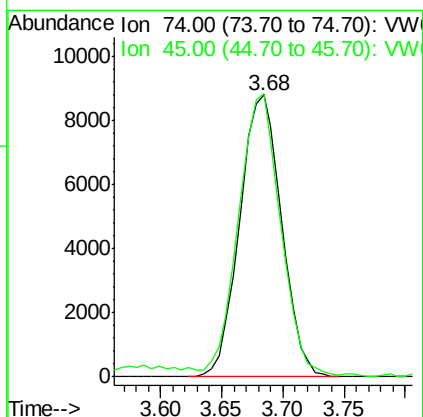
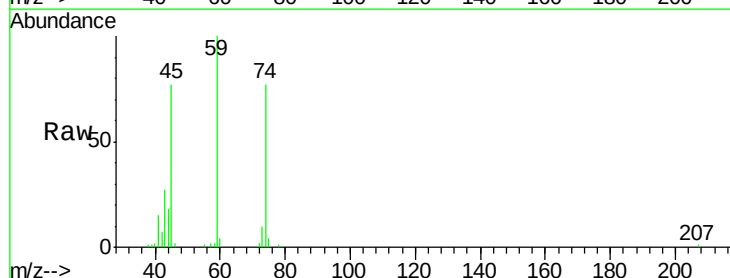
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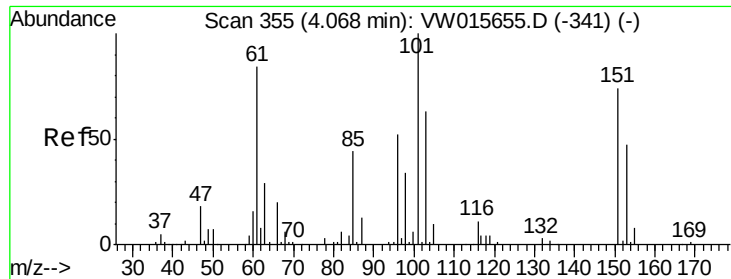


#8

Diethyl Ether
Concen: 21.183 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015654.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.734 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015654.D

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Instrument :

MSVOA_W

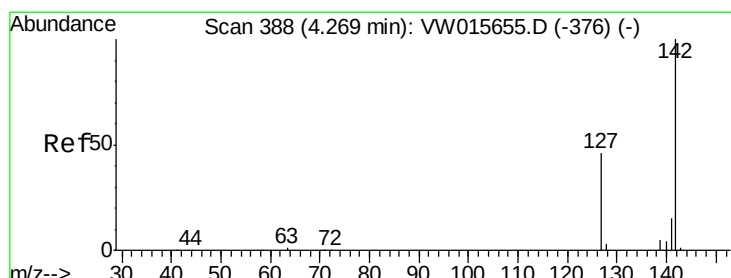
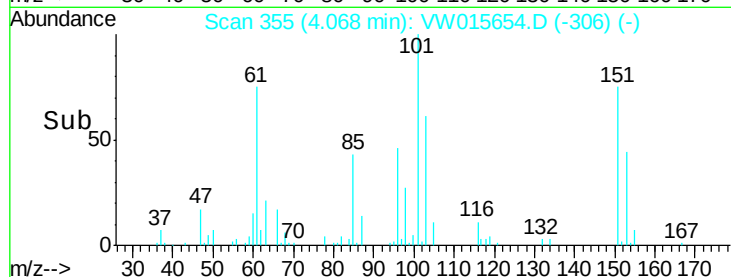
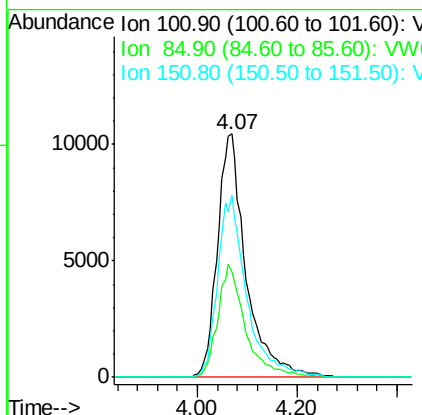
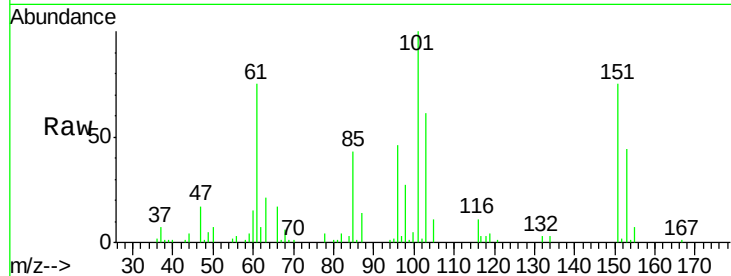
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	41640
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	55.0
151	75.7	60.4	90.6

Manual Integrations
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6/24/2020 10:58:12 AM



#10

Methyl Iodide

Concen: 19.830 ug/l

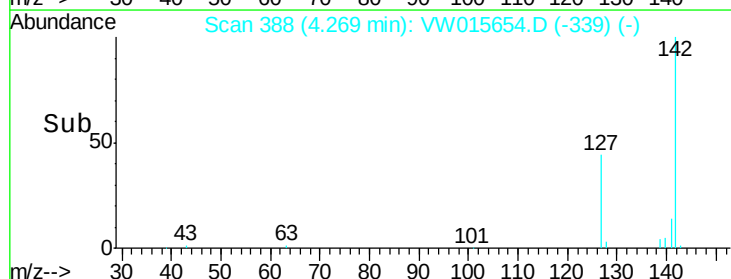
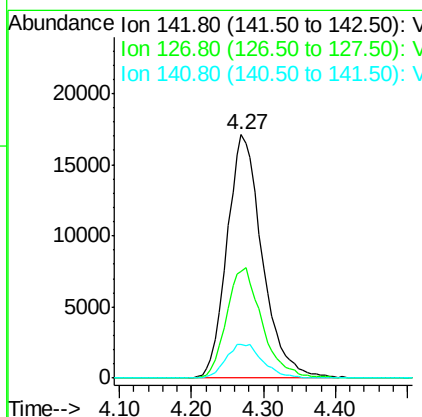
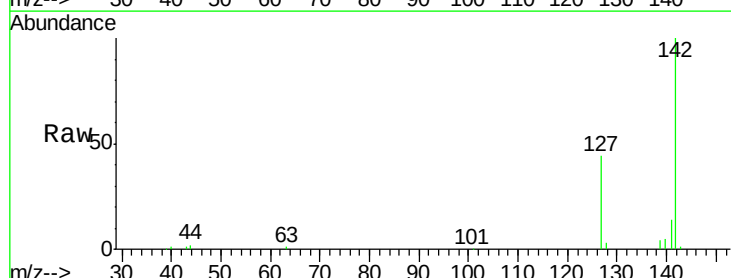
RT: 4.27 min Scan# 388

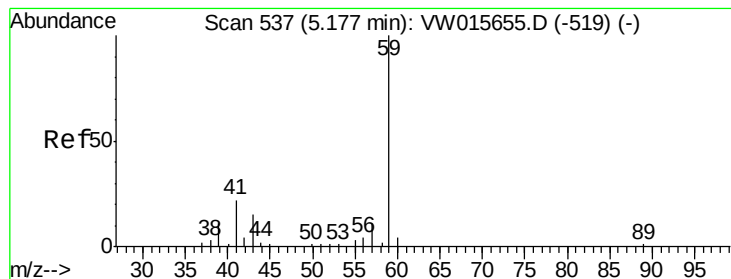
Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	142	Resp:	58244
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.4	54.6
141	14.5	11.6	17.4





#11

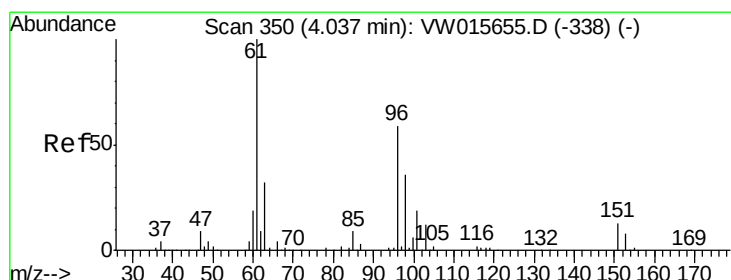
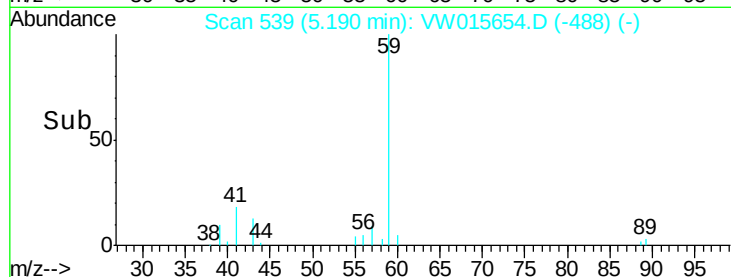
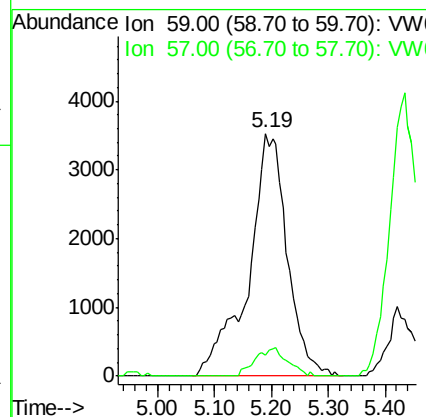
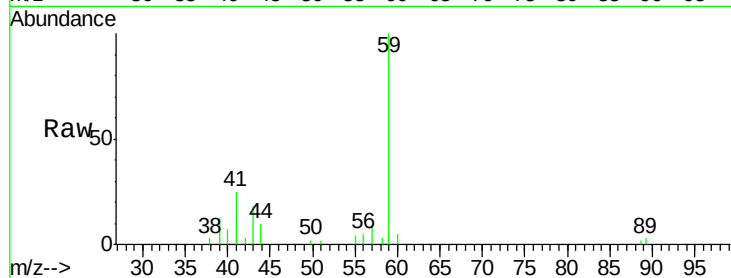
Tert butyl alcohol
 Concen: 101.963 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.4	12.6

Manual Integrations
 APPROVED

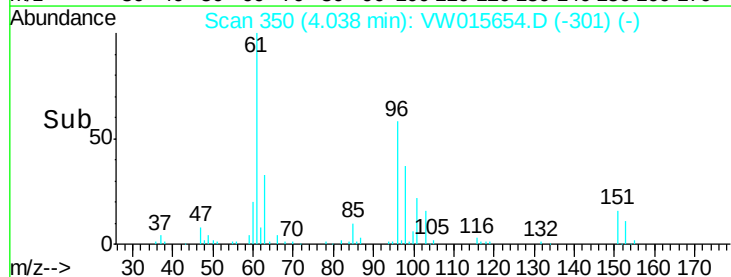
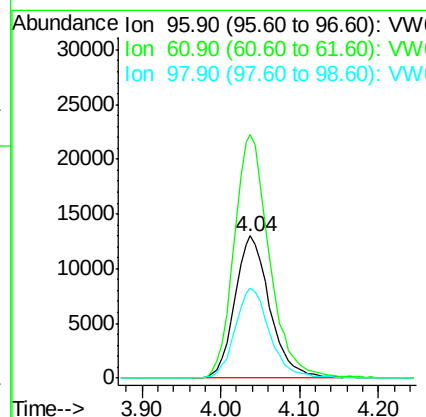
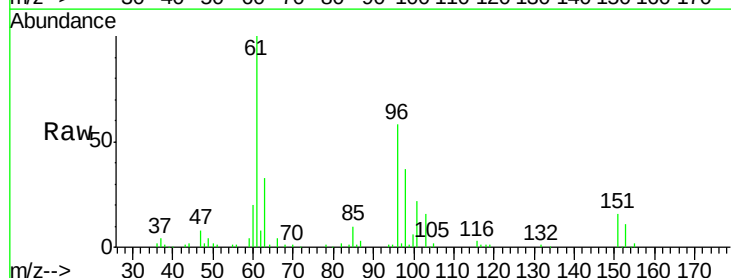
MMDadoda
 6/24/2020 10:58:12 AM

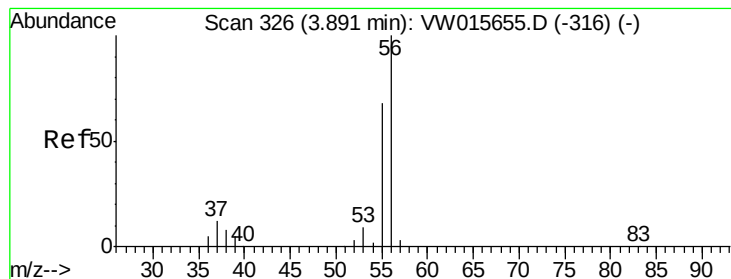


#12

1,1-Dichloroethene
 Concen: 20.018 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	136.7	205.1
98	63.7	49.2	73.8





#13

Acrolein

Concen: 133.224 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17903

Ion Ratio Lower Upper

56 100

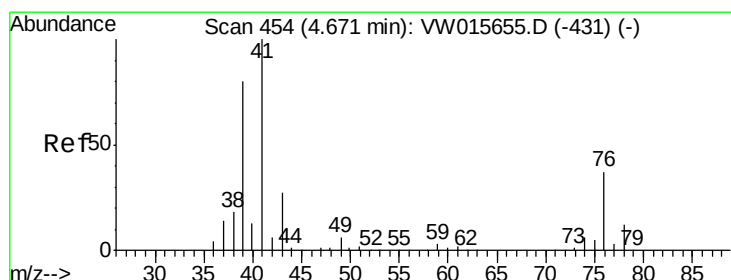
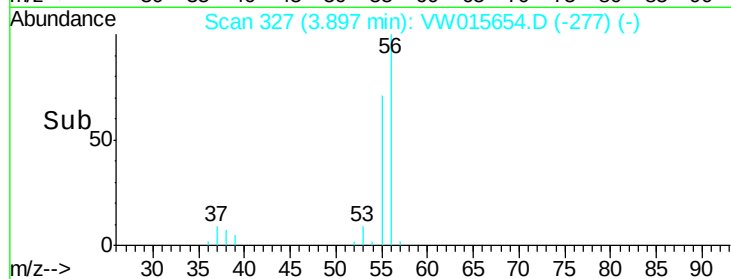
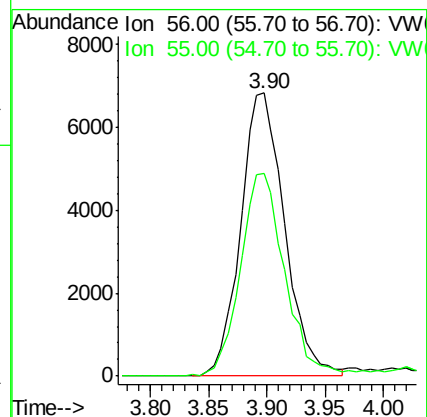
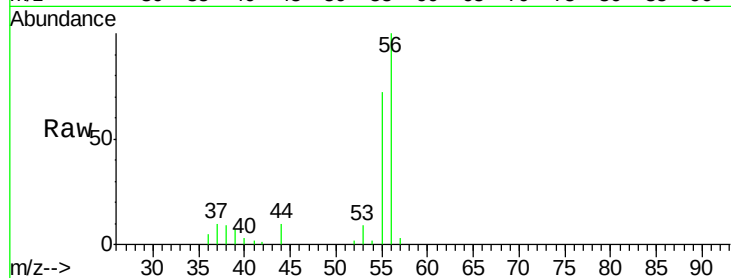
55 72.5 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:12 AM



#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

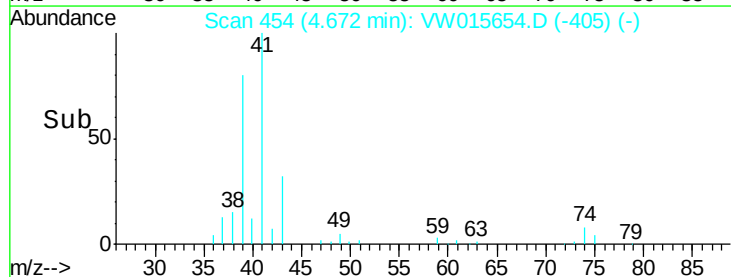
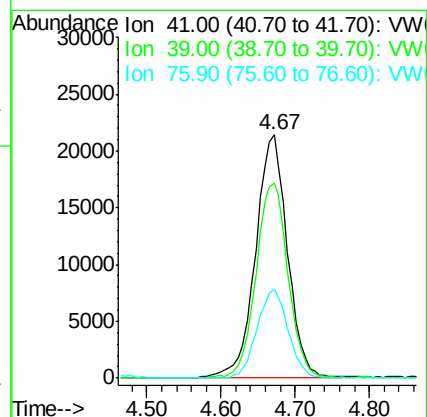
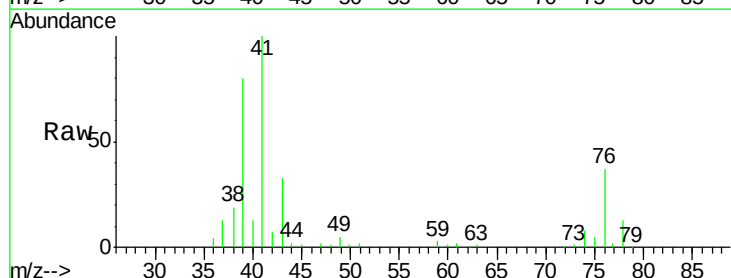
Tgt Ion: 41 Resp: 64300

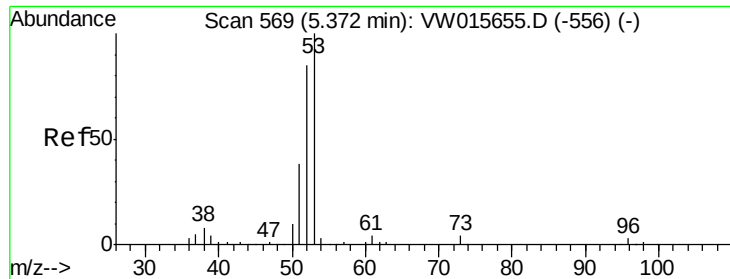
Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

76 35.4 29.1 43.7





#15

Acrylonitrile

Concen: 109.431 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

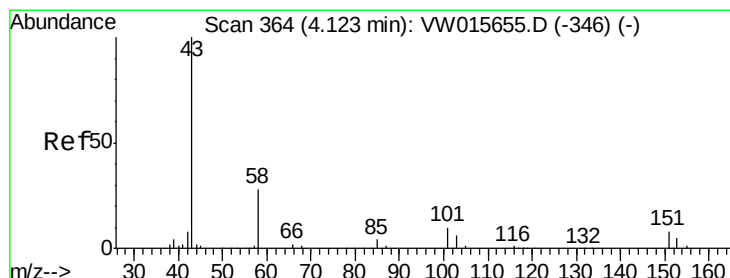
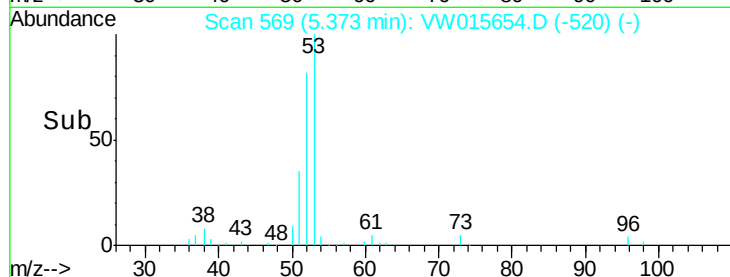
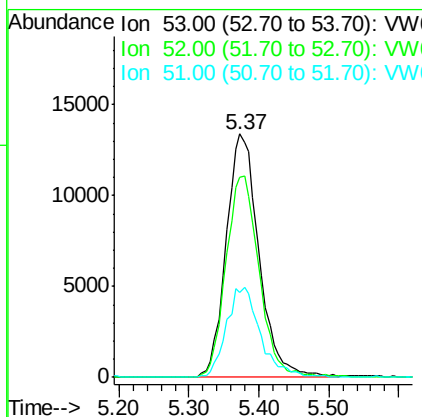
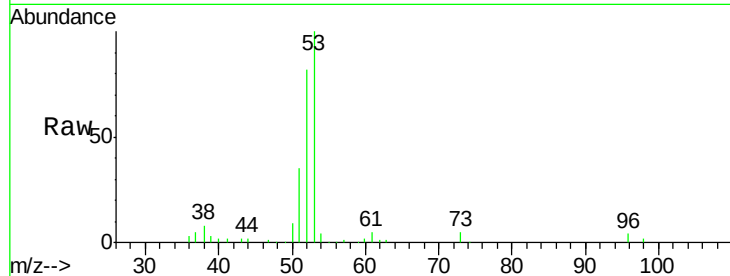
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	43759
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.8	98.6
51	38.2	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 100.136 ug/l

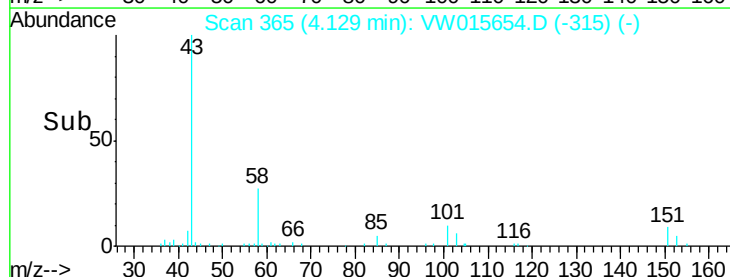
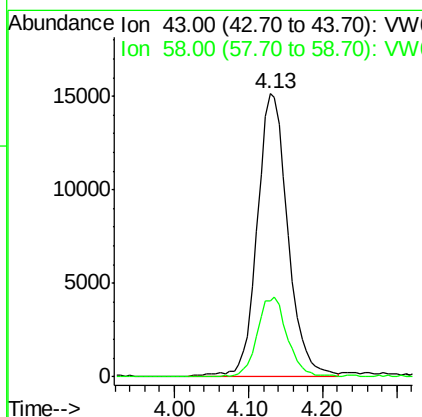
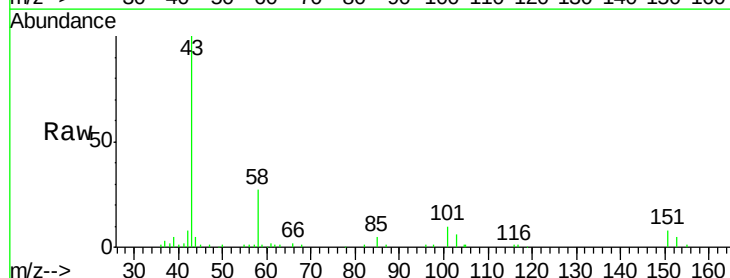
RT: 4.13 min Scan# 365

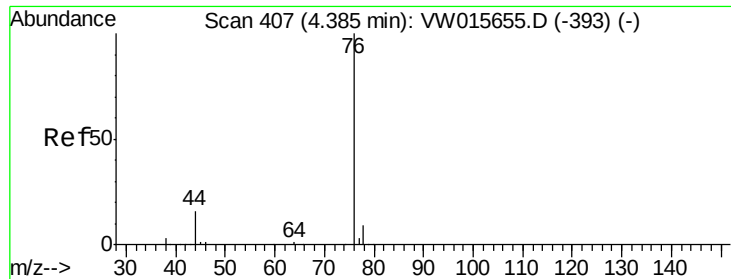
Delta R.T. 0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	43	Resp:	43801
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.6	33.8





#17

Carbon Disulfide

Concen: 18.905 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 112274

Ion Ratio Lower Upper

76 100

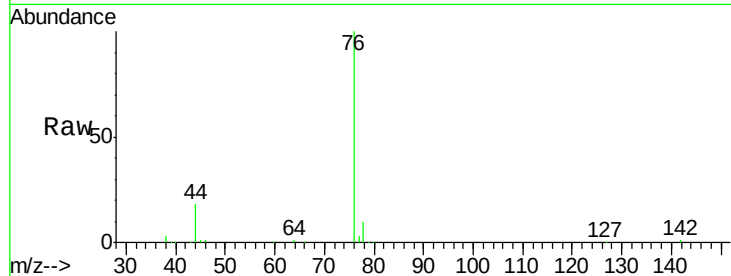
78 9.6 7.2 10.8

Manual Integrations

APPROVED

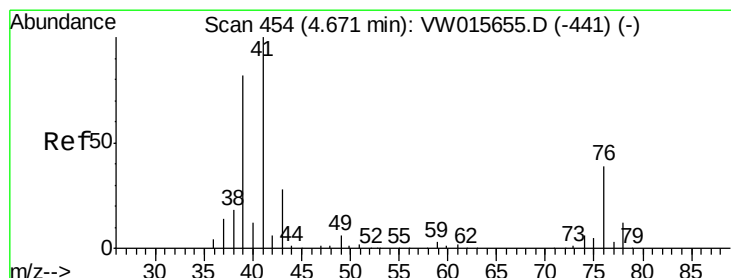
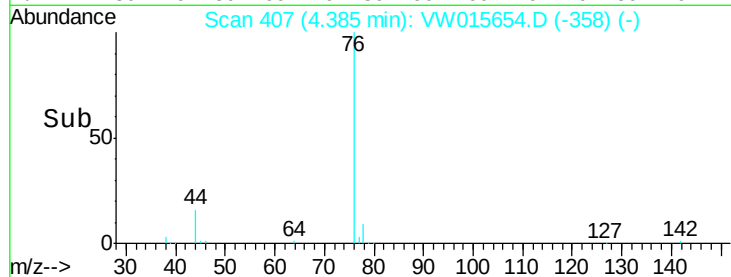
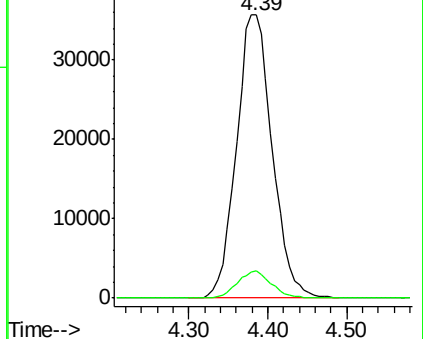
MMDadoda

6/24/2020 10:58:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.375 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015654.D

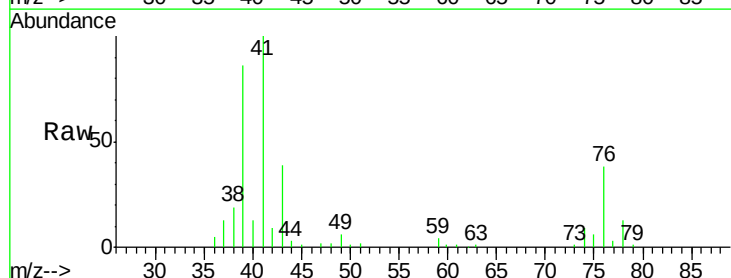
Acq: 23 Jun 2020 11:40

Tgt Ion: 43 Resp: 22177

Ion Ratio Lower Upper

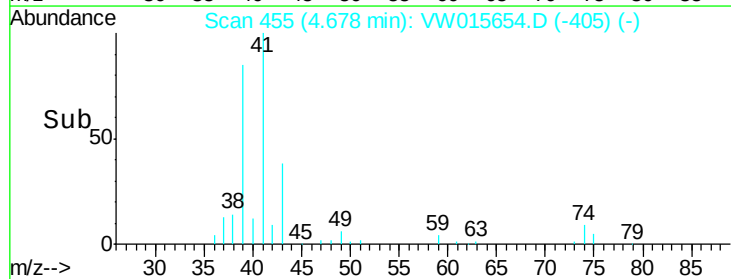
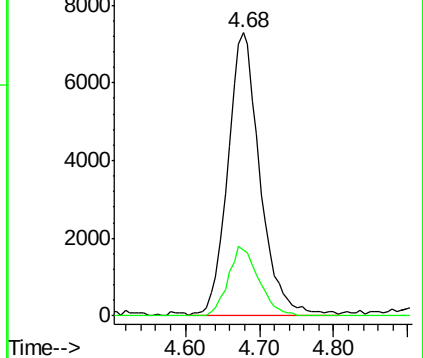
43 100

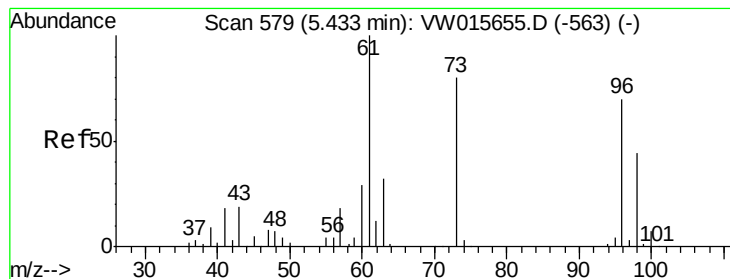
74 23.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

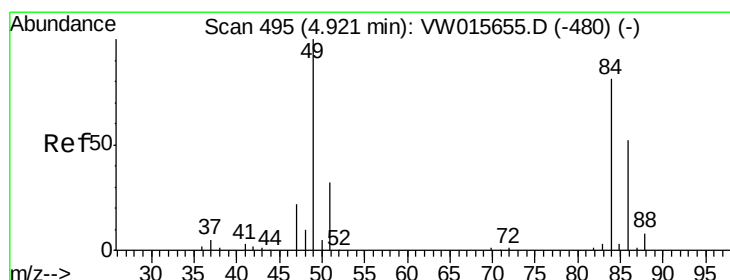
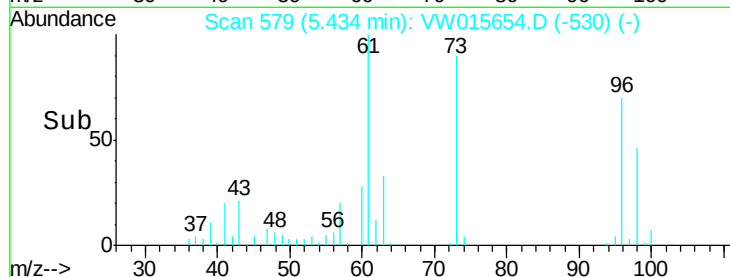
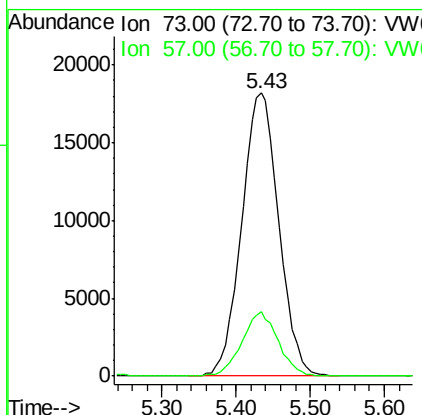
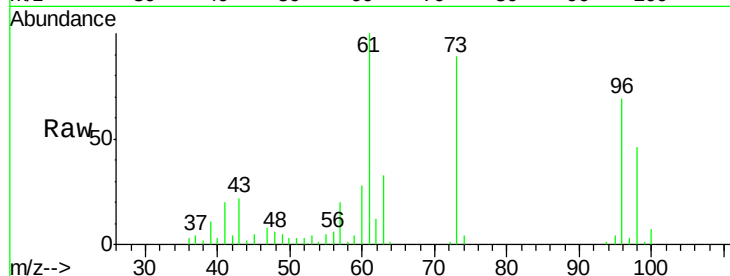
Methyl tert-butyl Ether
 Concen: 21.036 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1

Manual Integrations
 APPROVED

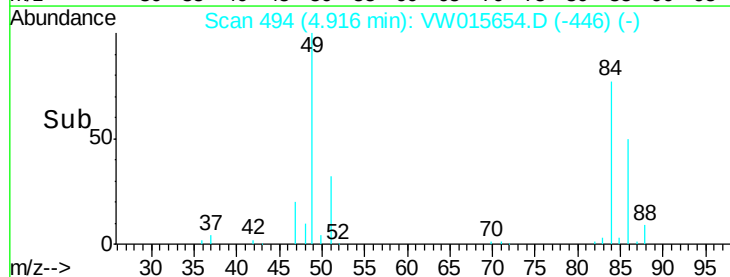
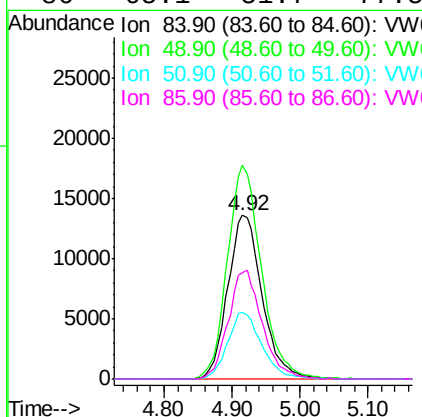
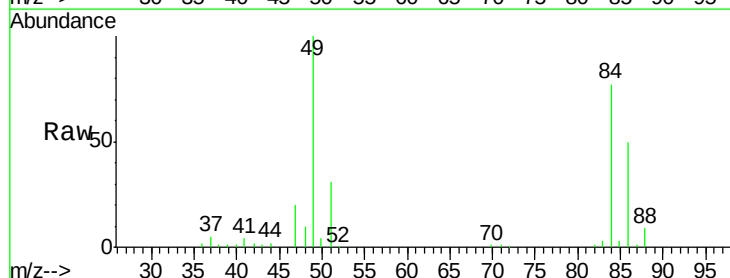
MMDadoda
 6/24/2020 10:58:12 AM

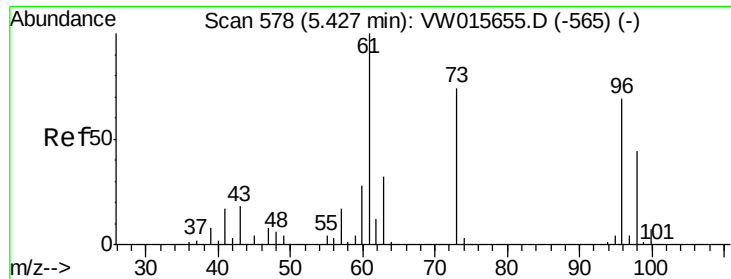


#20

Methylene Chloride
 Concen: 21.072 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	99.3	148.9
51	41.0	31.8	47.6
86	65.1	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 19.997 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

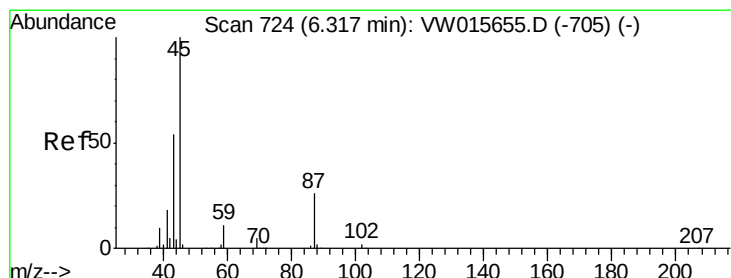
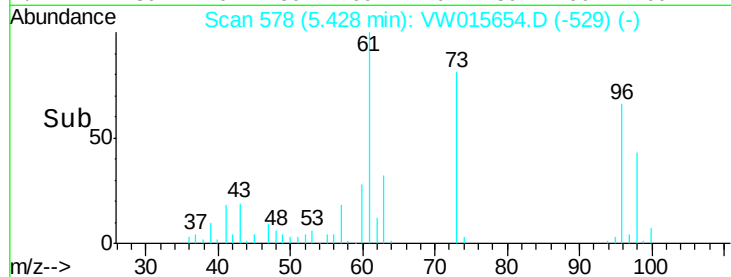
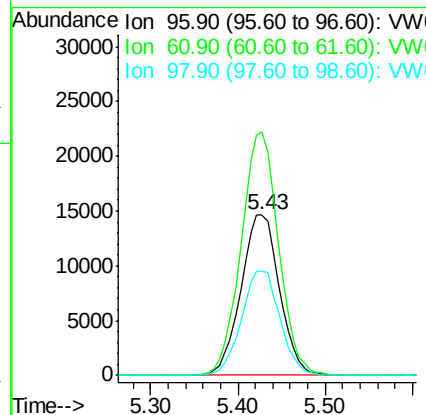
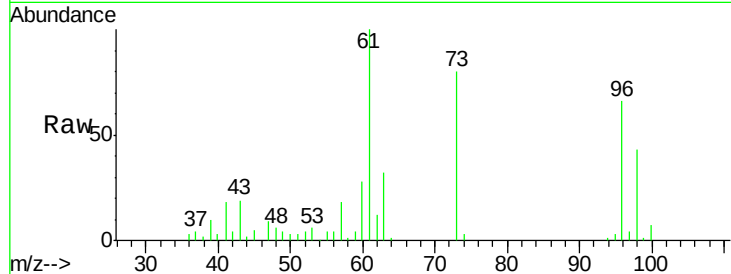
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	44807
Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	64.6	51.4	77.0

Manual Integrations
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MMDadoda
6/24/2020 10:58:12 AM



#22

Diisopropyl ether

Concen: 20.718 ug/l

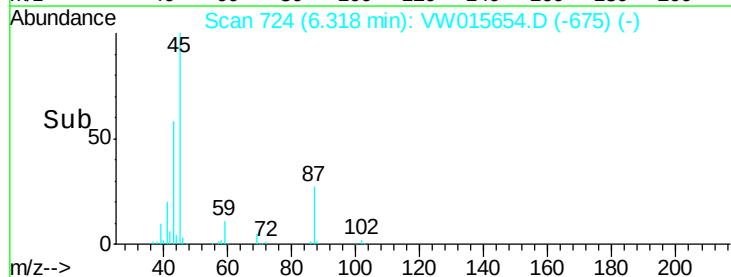
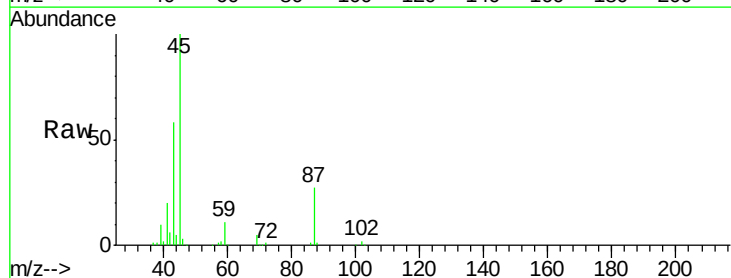
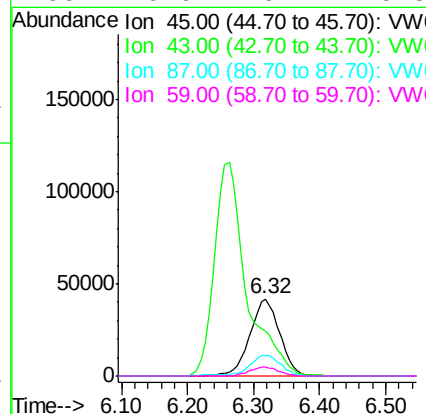
RT: 6.32 min Scan# 724

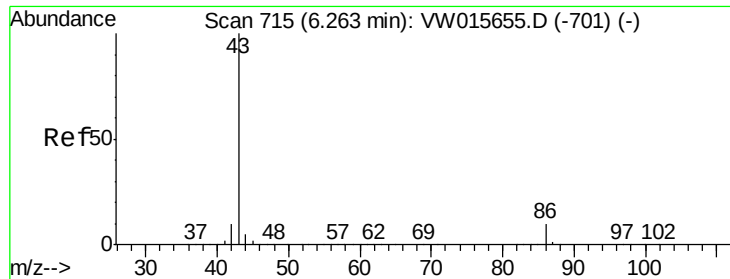
Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	45	Resp:	131391
Ion	Ratio	Lower	Upper
45	100		
43	57.1	43.9	65.9
87	27.0	21.2	31.8
59	10.9	9.2	13.8





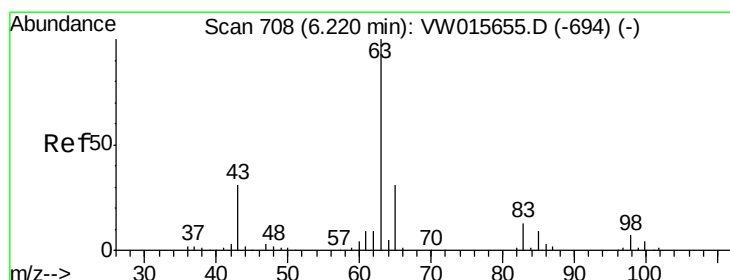
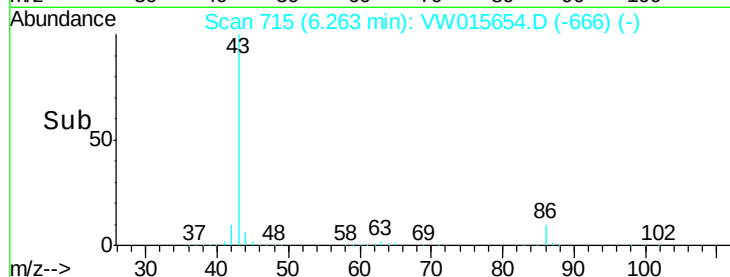
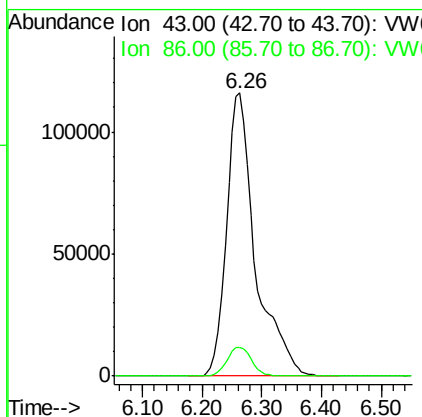
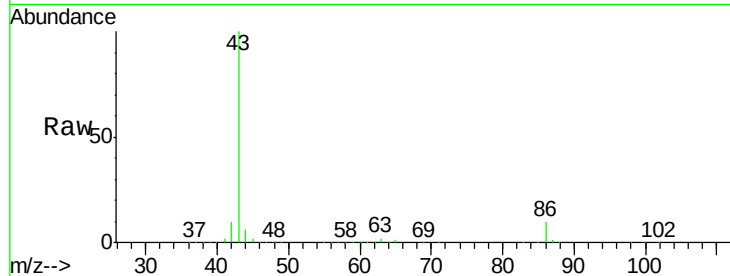
#23
 Vinyl Acetate
 Concen: 104.429 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	43	Resp	388473
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.3	12.5

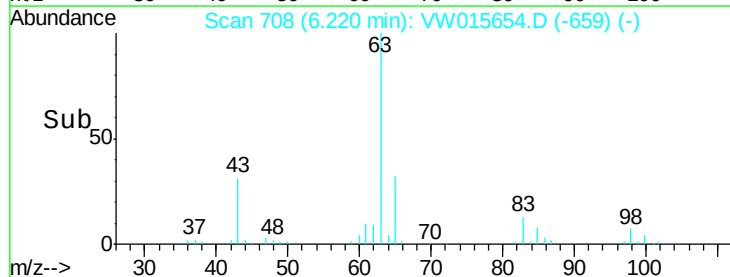
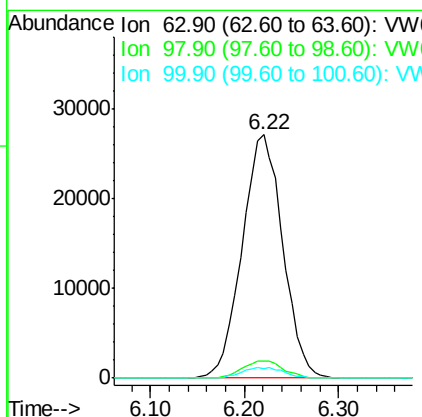
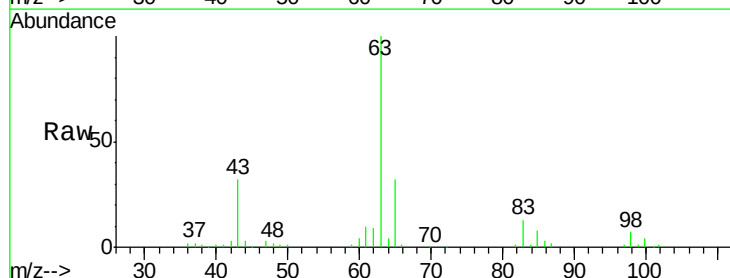
Manual Integrations
 APPROVED

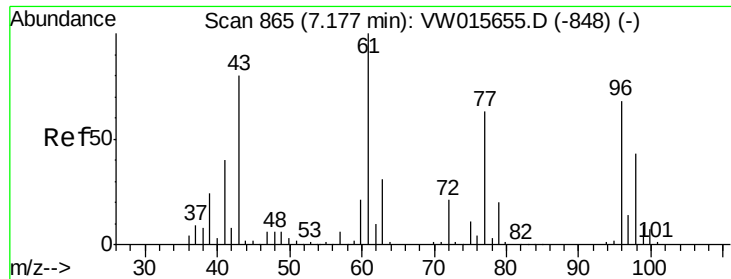
MMDadoda
 6/24/2020 10:58:12 AM



#24
 1,1-Dichloroethane
 Concen: 20.405 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	63	Resp	81601
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.0	2.1	6.3





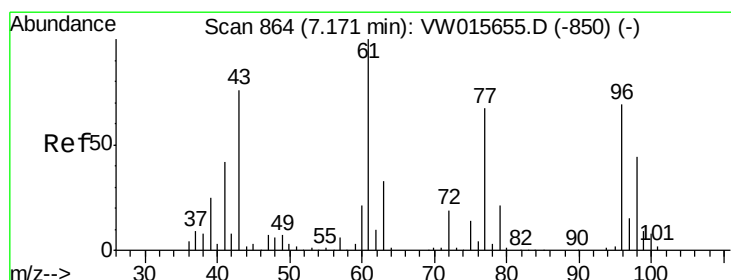
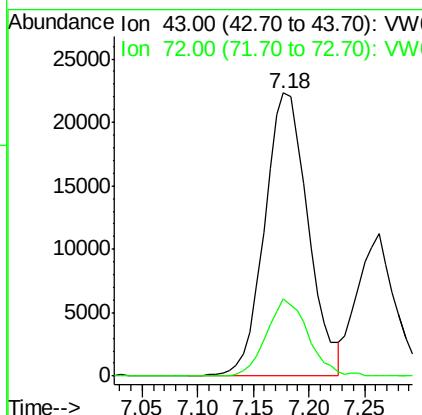
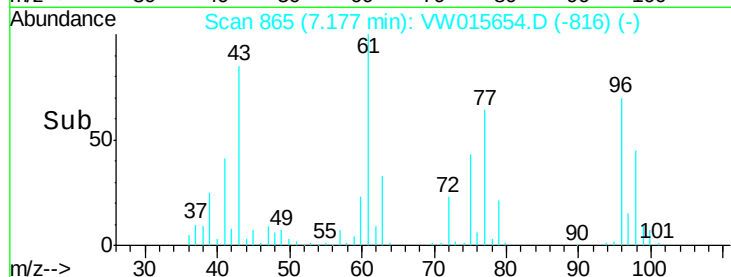
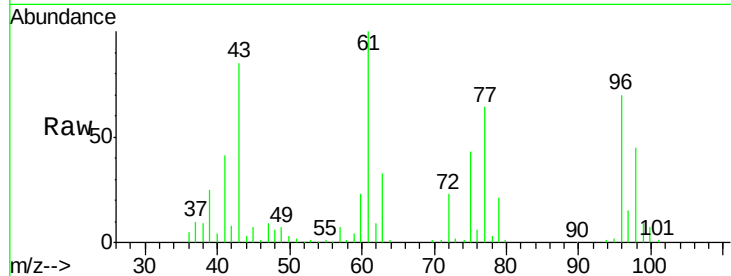
#25
2-Butanone
Concen: 108.344 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 60971
Ion Ratio Lower Upper
43 100
72 27.2 21.1 31.7

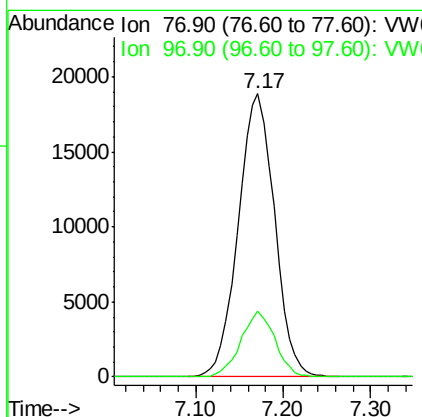
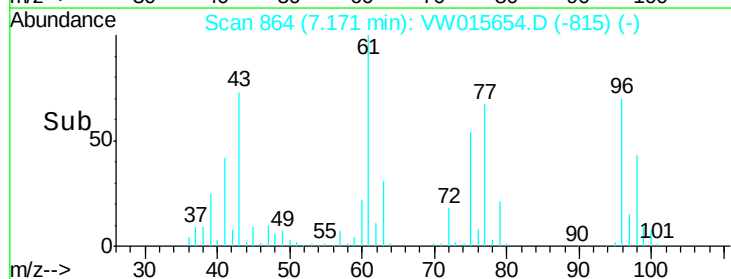
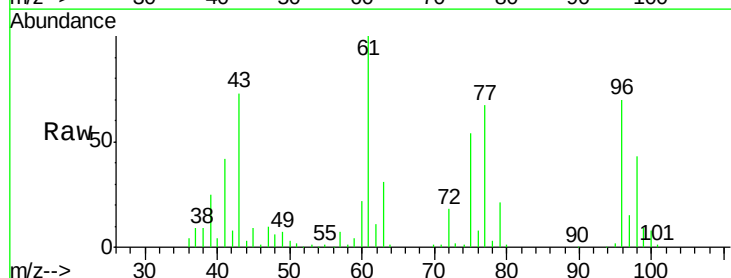
Manual Integrations
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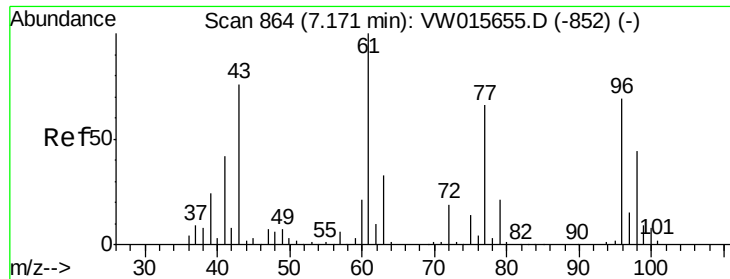
MMDadoda
6/24/2020 10:58:12 AM



#26
2,2-Dichloropropane
Concen: 19.420 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 77 Resp: 54493
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.5





#27

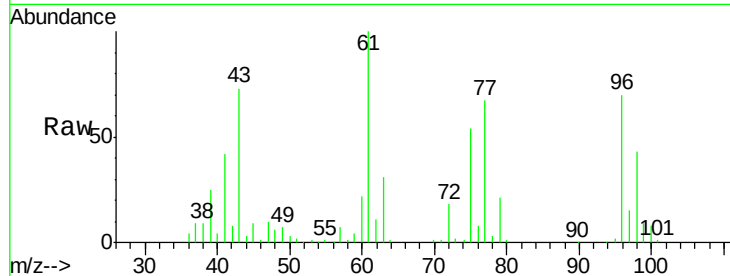
cis-1,2-Dichloroethene
Concen: 20.441 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

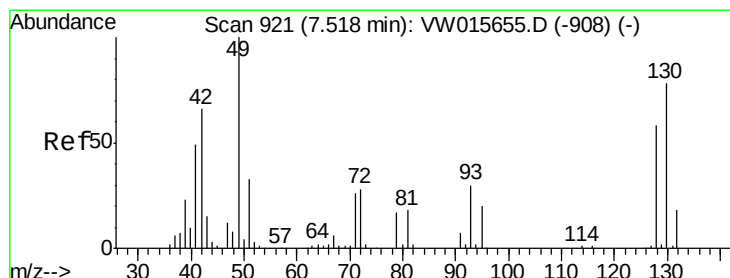
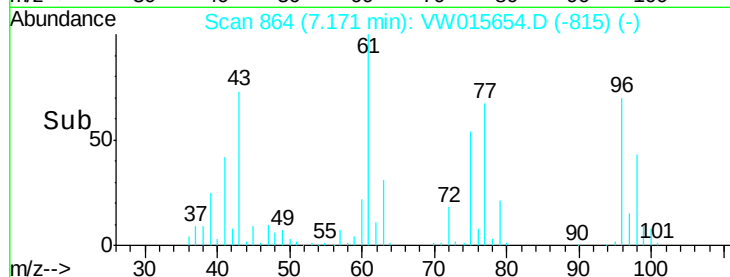
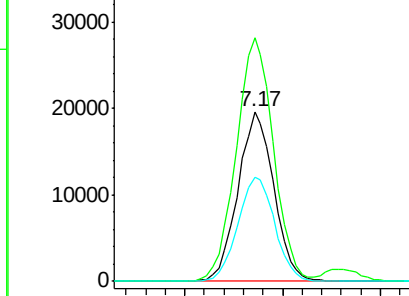
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	296.8
98	63.0	0.0	128.0

Manual Integrations
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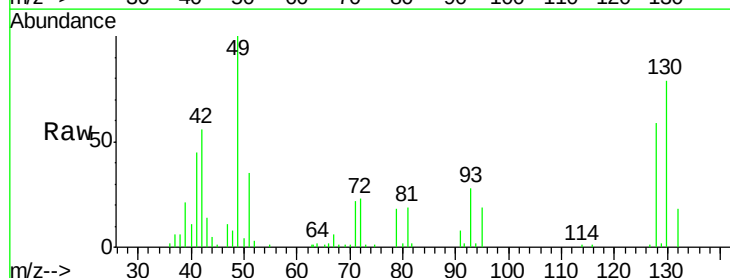
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



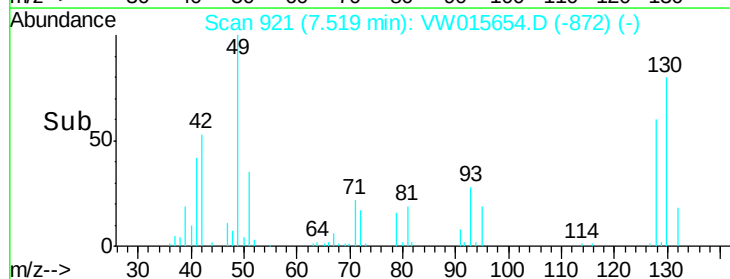
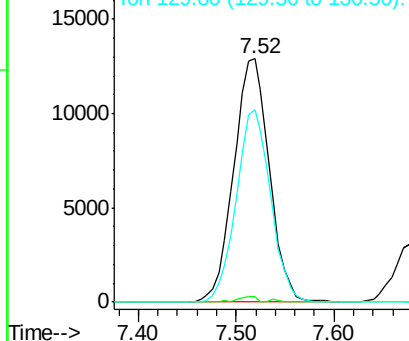
#28

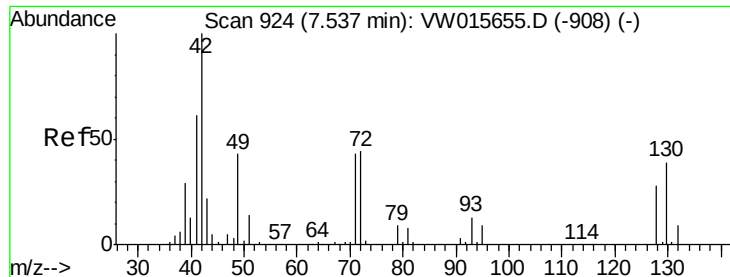
Bromochloromethane
Concen: 21.693 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.2
130	76.3	61.0	91.4



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





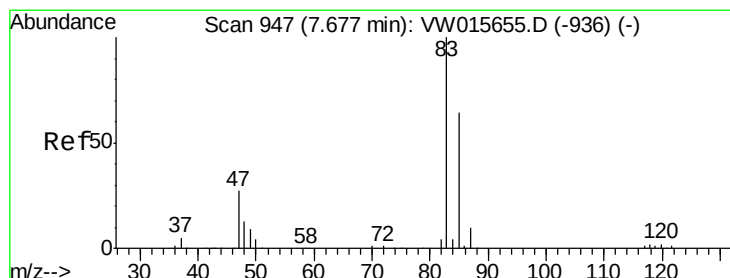
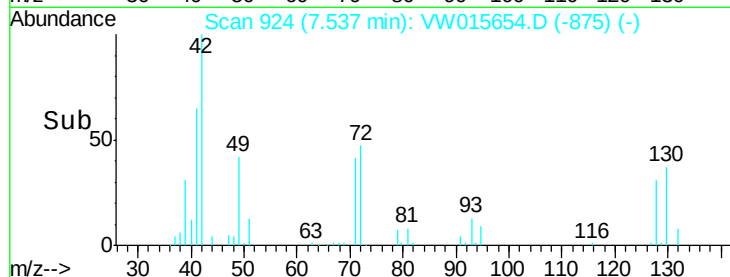
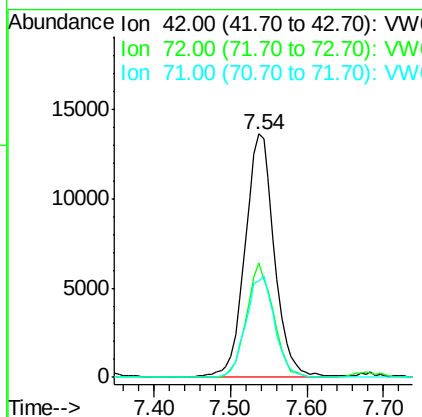
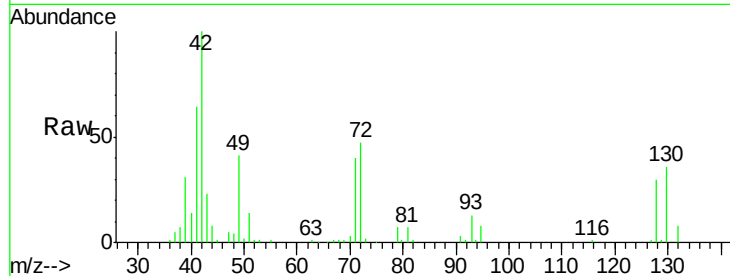
#29
Tetrahydrofuran
Concen: 108.484 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.0	52.6
71	40.6	32.6	49.0

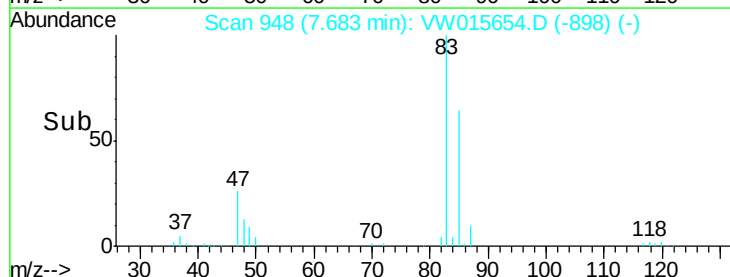
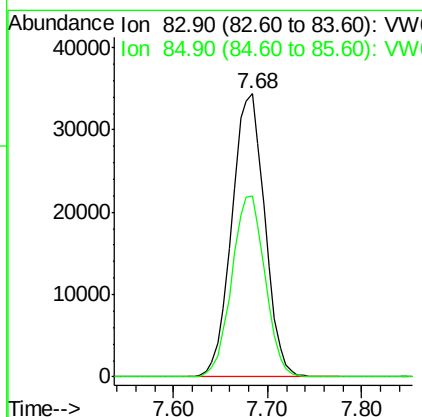
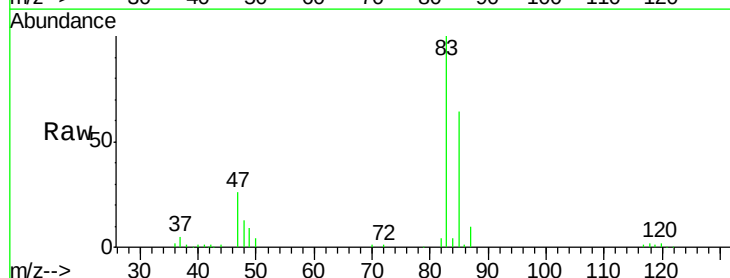
Manual Integrations
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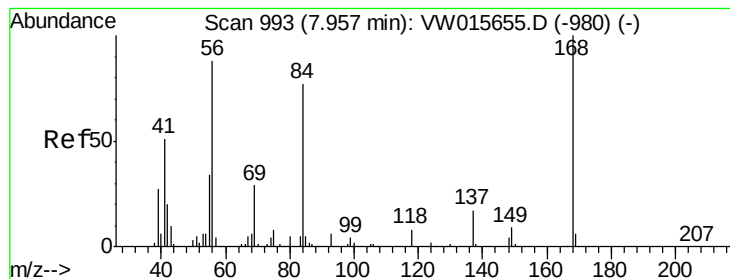
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#30
Chloroform
Concen: 20.741 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4





#31

Cyclohexane

Concen: 19.561 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

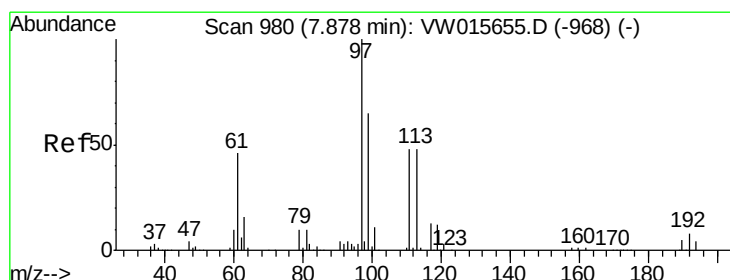
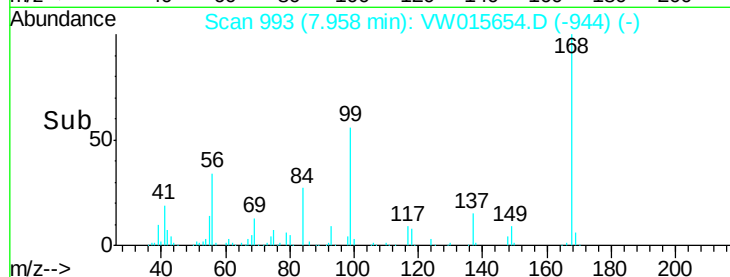
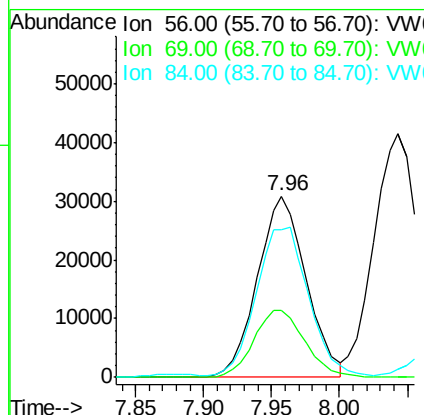
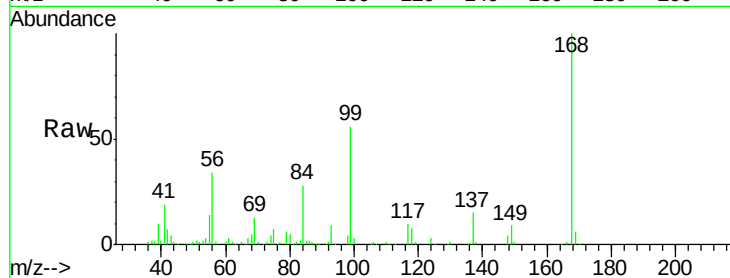
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	77176
Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	80.3	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

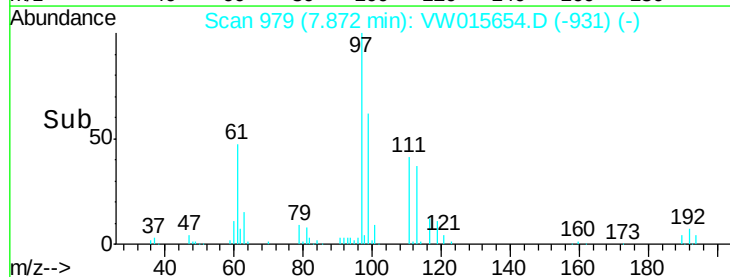
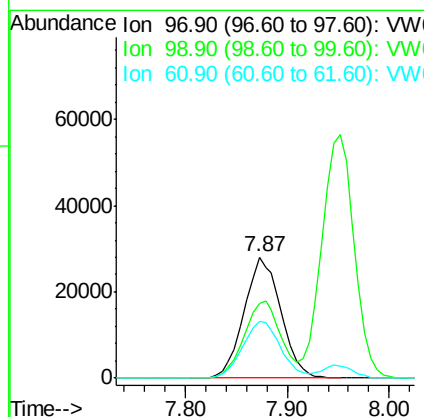
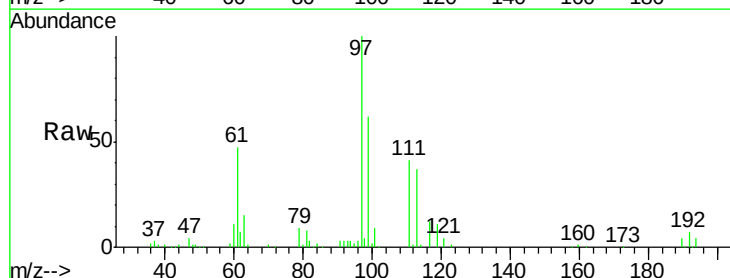
RT: 7.87 min Scan# 979

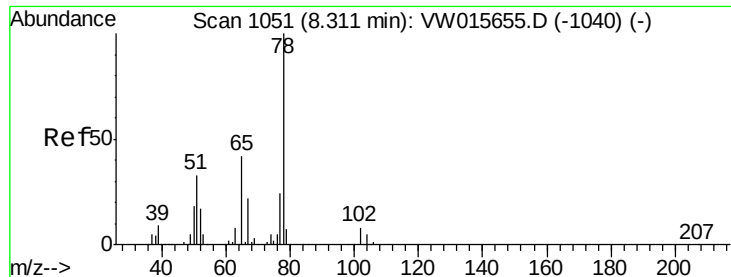
Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	97	Resp:	70311
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.9	77.9
61	48.2	37.3	55.9





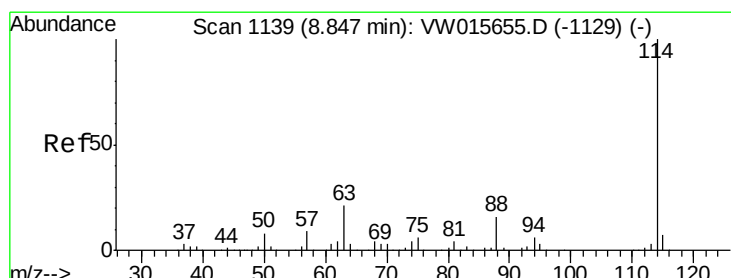
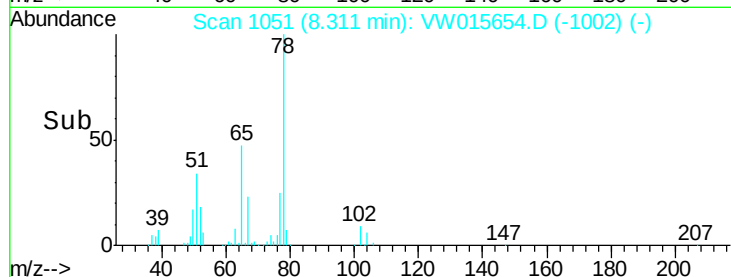
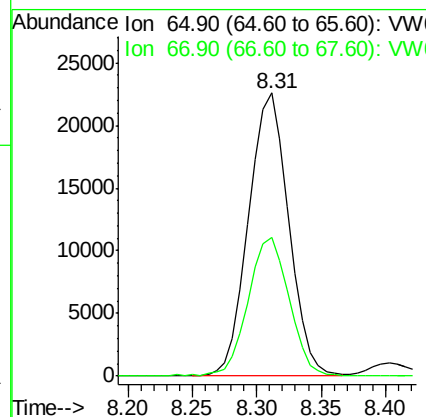
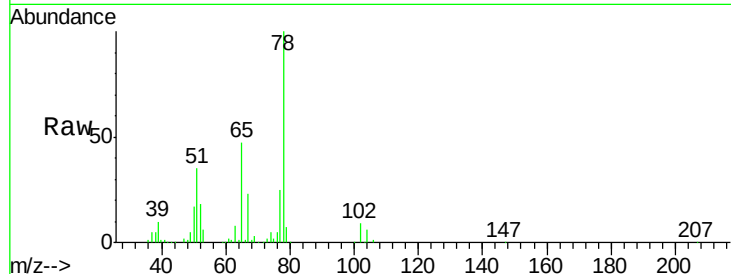
#33
 1,2-Dichloroethane-d4
 Concen: 22.561 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.2

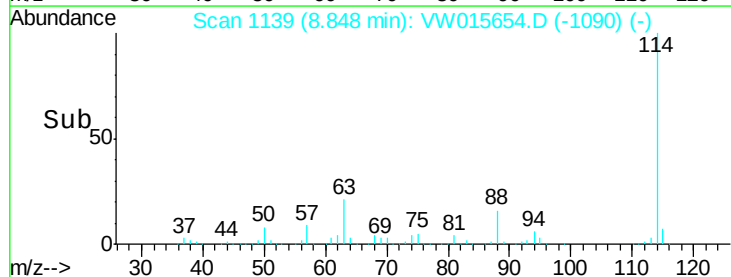
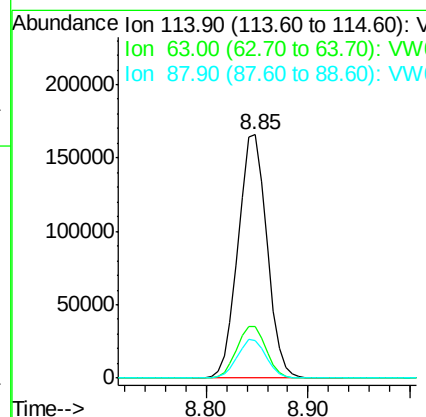
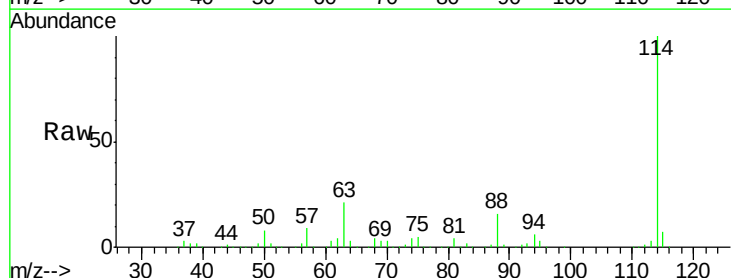
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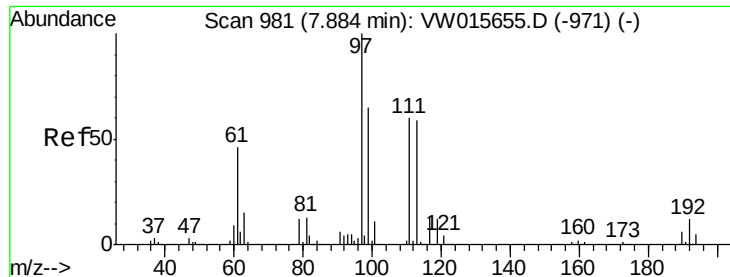
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	15.6	0.0	32.6





#35

Dibromofluoromethane

Concen: 21.882 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

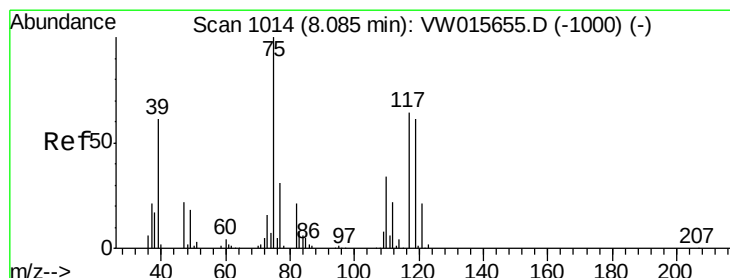
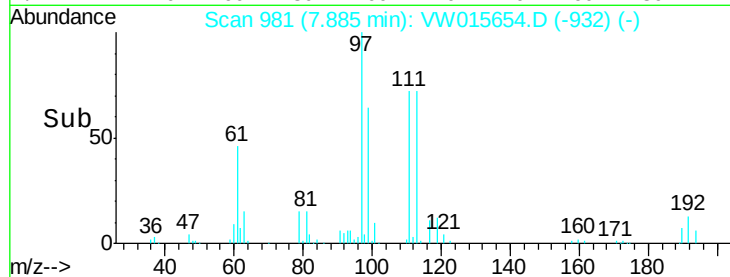
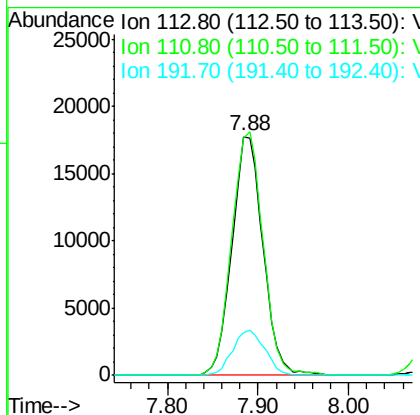
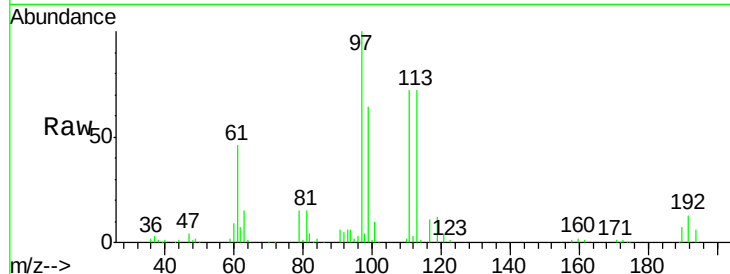
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	42091
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.3	123.5
192	19.7	16.4	24.6

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#36

1,1-Dichloropropene

Concen: 20.188 ug/l

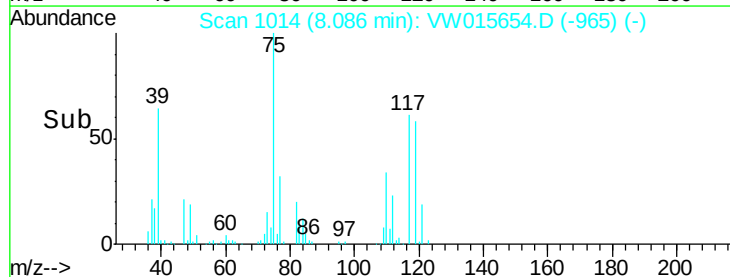
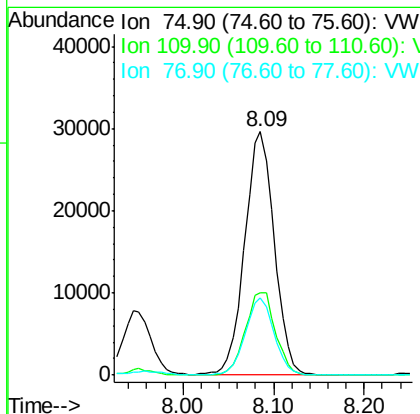
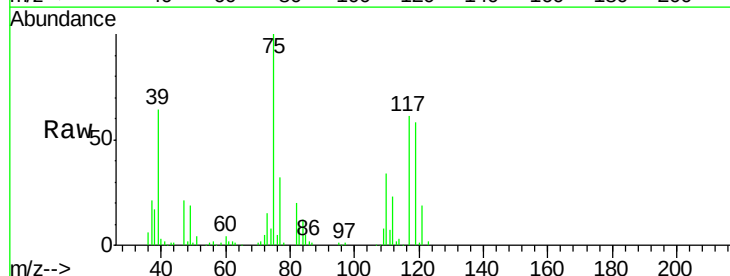
RT: 8.09 min Scan# 1014

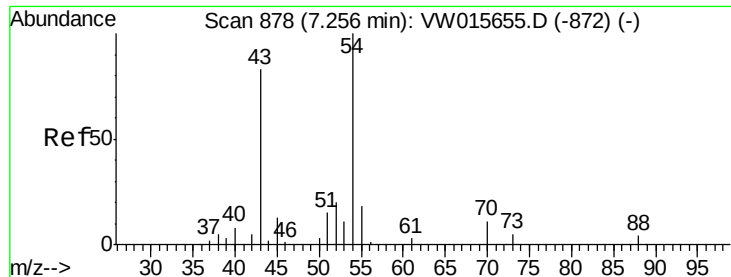
Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	75	Resp:	67091
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	51.0
77	30.8	24.6	36.8





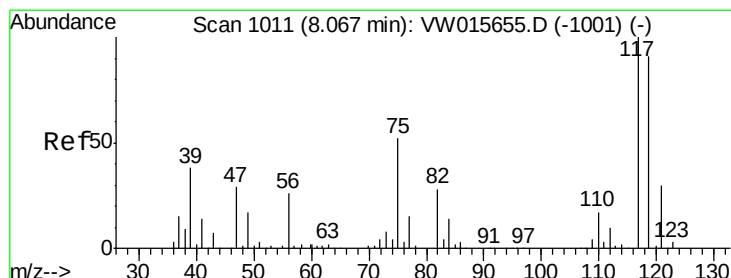
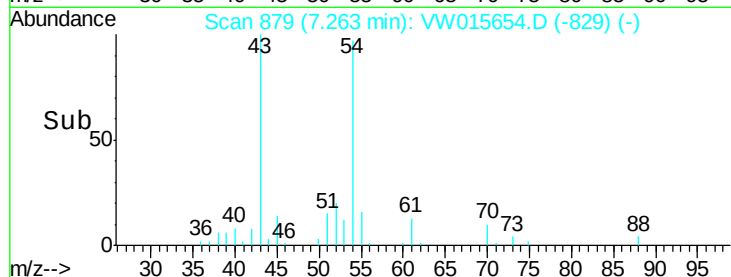
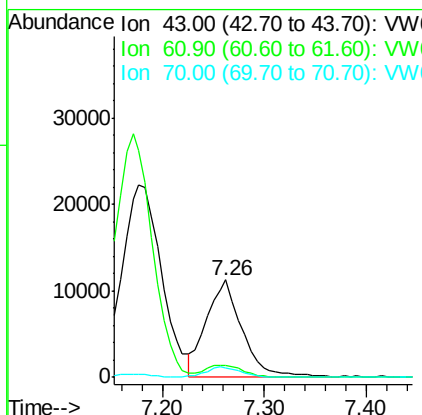
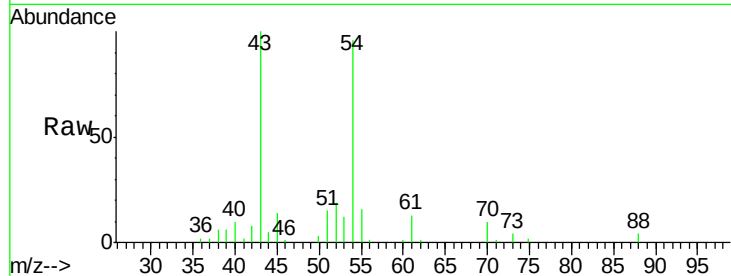
#37
Ethyl Acetate
Concen: 21.706 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	10.5	8.4	12.6

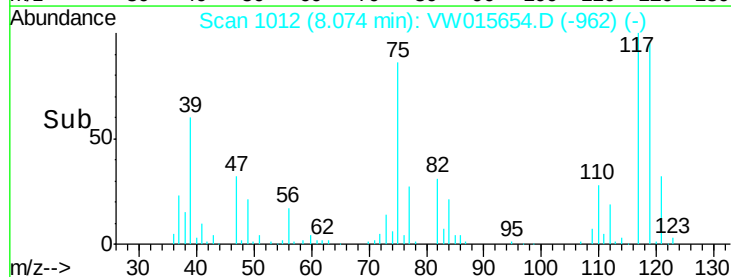
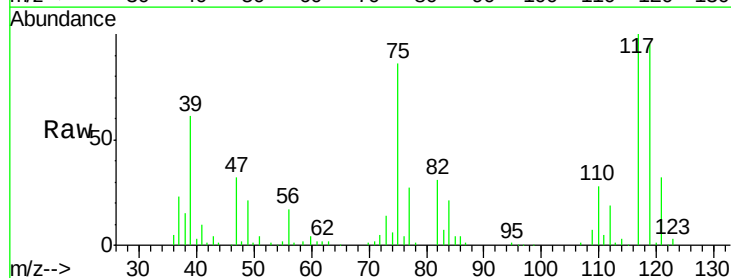
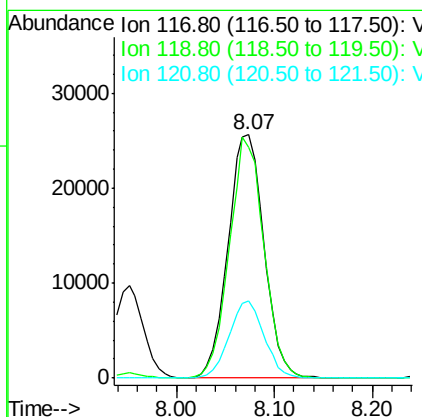
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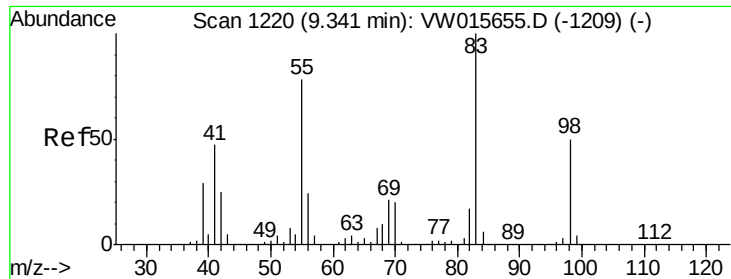
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#38
Carbon Tetrachloride
Concen: 20.191 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.2	109.8
121	31.8	23.9	35.9





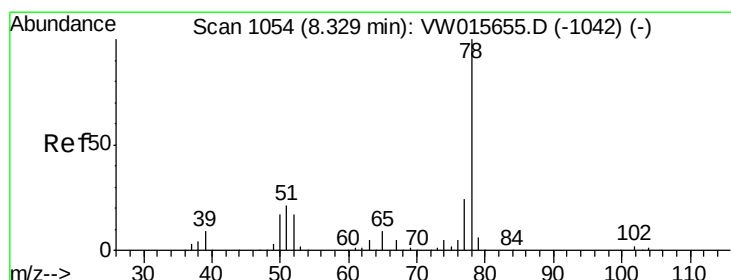
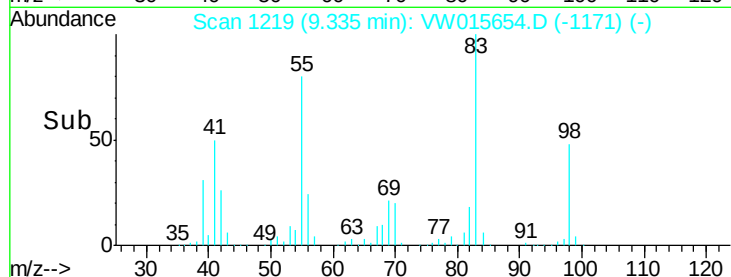
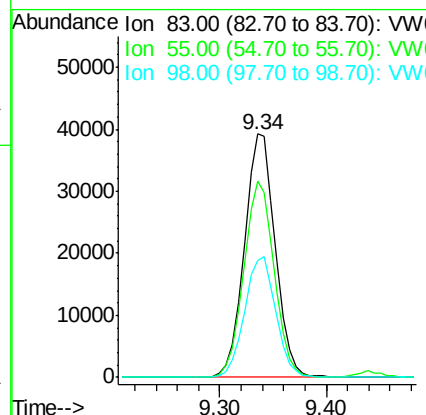
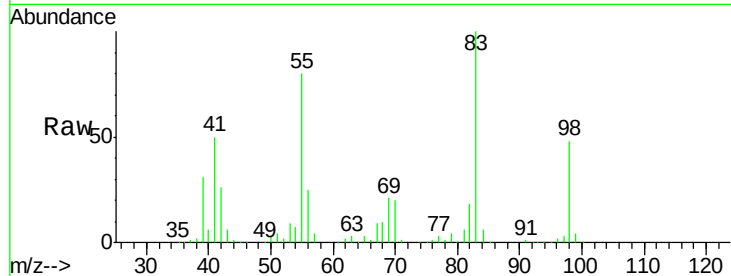
#39
Methylvlcyclohexane
Concen: 19.462 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	62.8	94.2
98	48.0	39.9	59.9

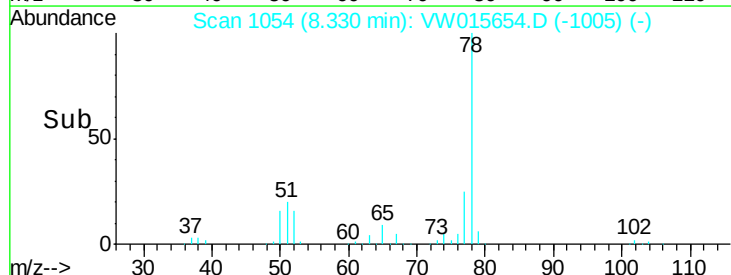
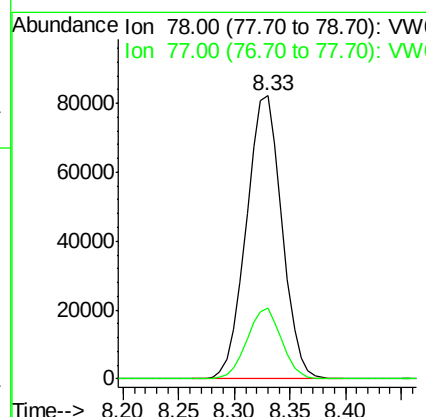
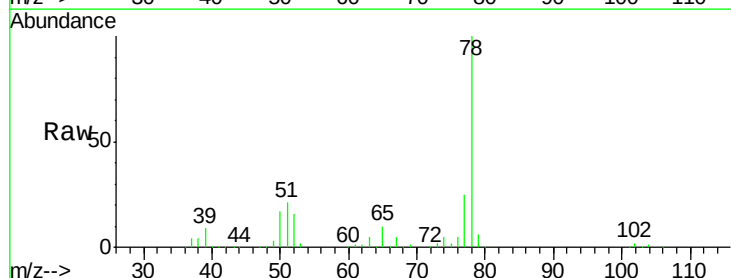
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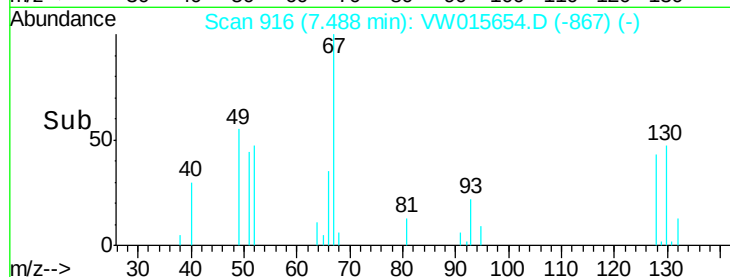
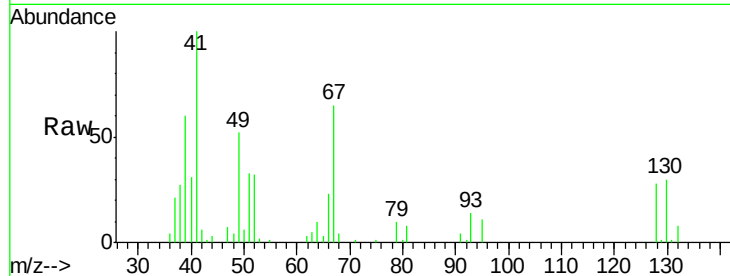
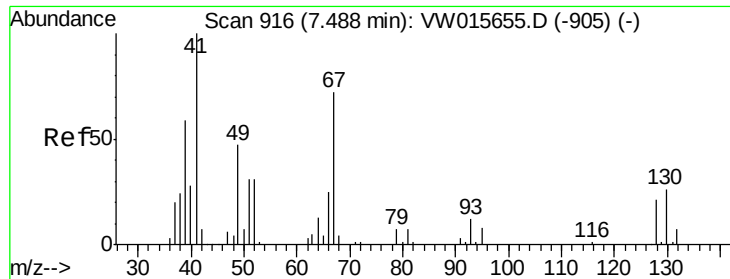
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#40
Benzene
Concen: 20.471 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.3	28.9





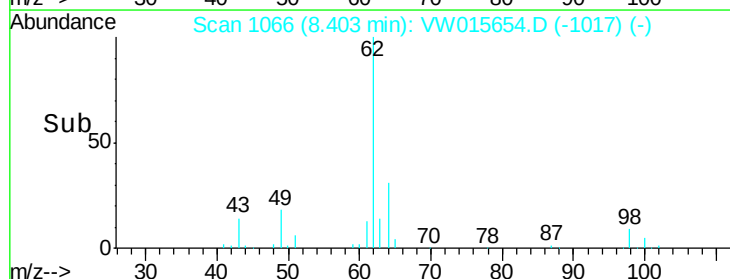
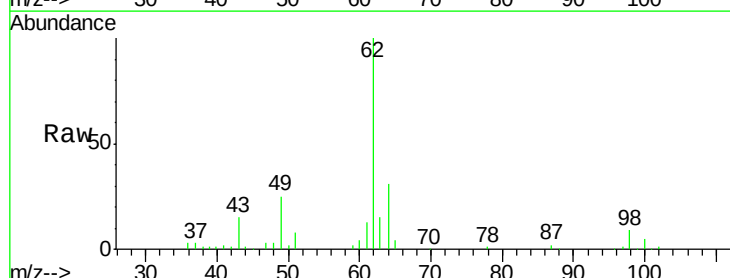
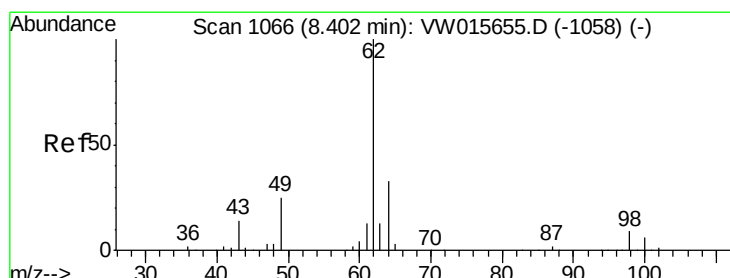
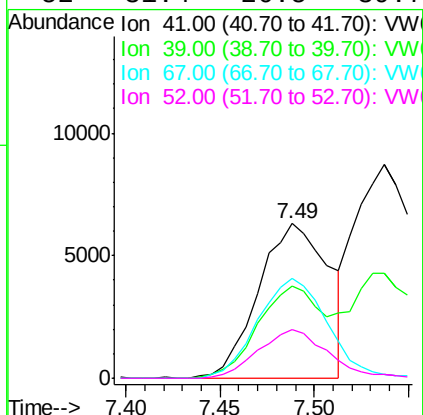
#41
Methacrylonitrile
Concen: 23.045 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tot Ion	41	Resp	16341
Ion Ratio	Lower	Upper	
41	100		
39	53.3	52.0	78.0
67	64.4	57.5	86.3
52	31.4	26.5	39.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

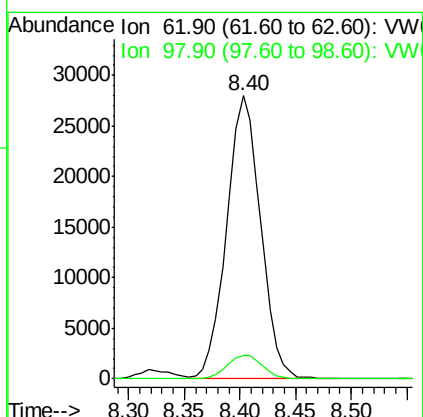
Manual Integrations
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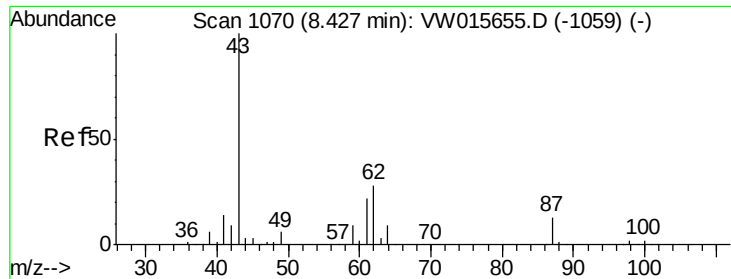
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.820 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	62	Resp	59201
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.4





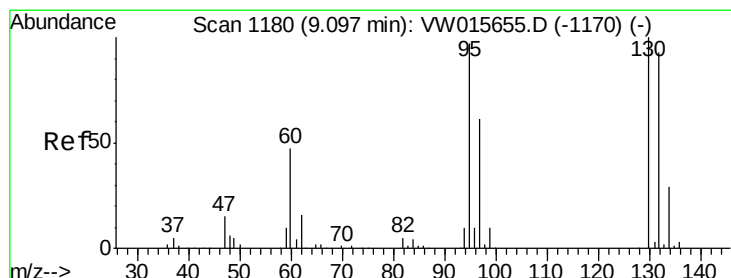
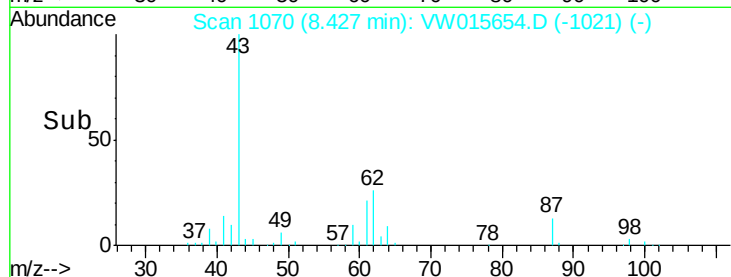
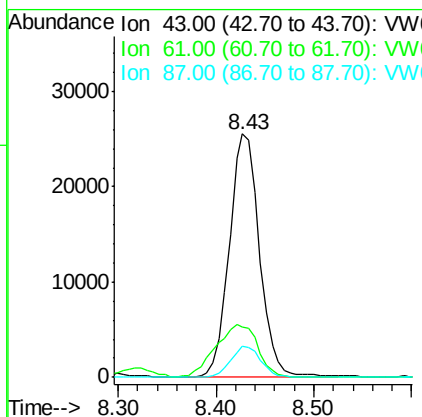
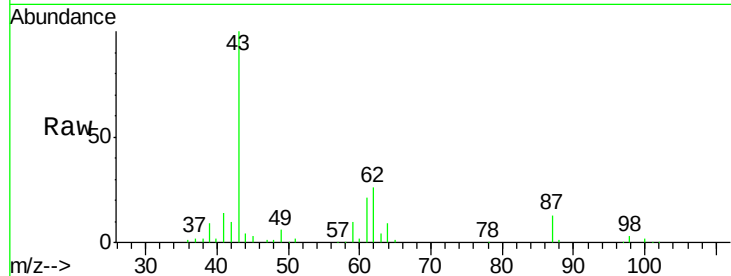
#43
Isopropyl Acetate
Concen: 22.030 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.7	37.1
87	12.5	10.2	15.2

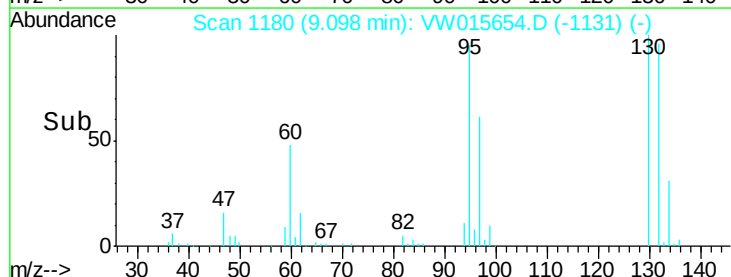
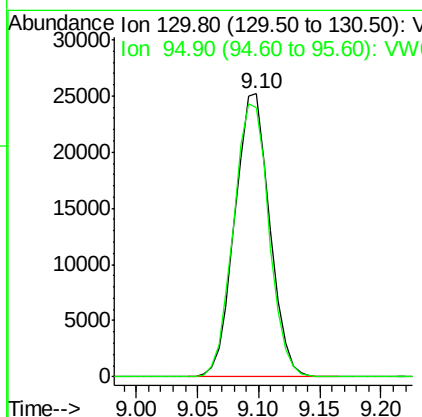
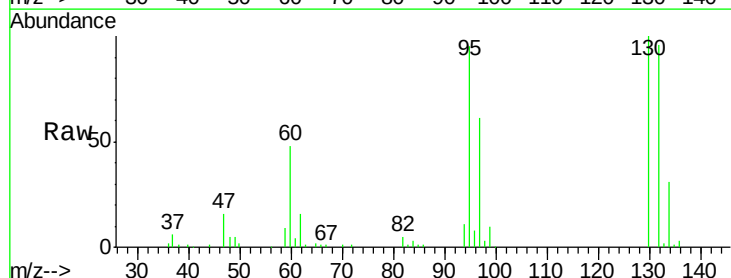
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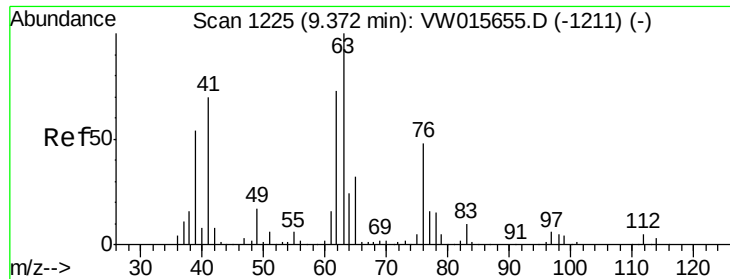
MMDadoda
6/24/2020 10:58:12 AM



#44
Trichloroethene
Concen: 20.817 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	194.4





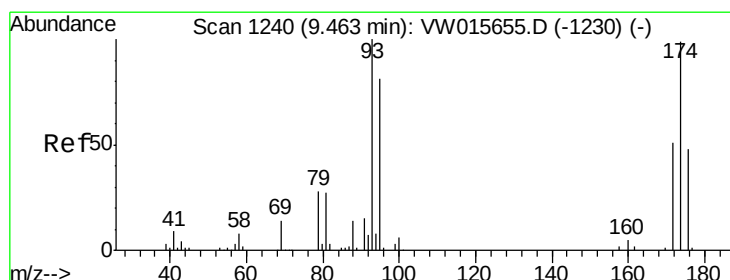
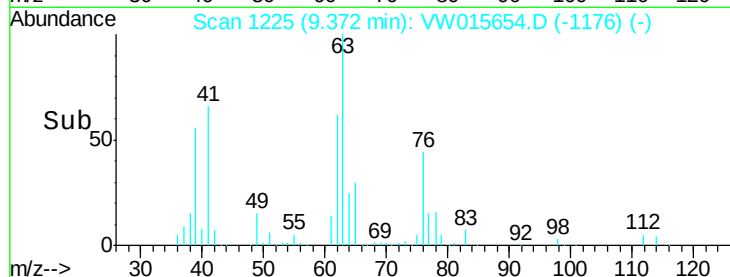
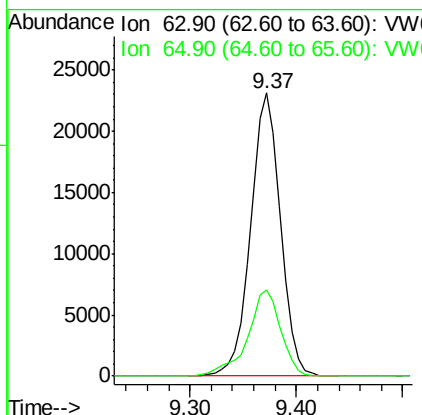
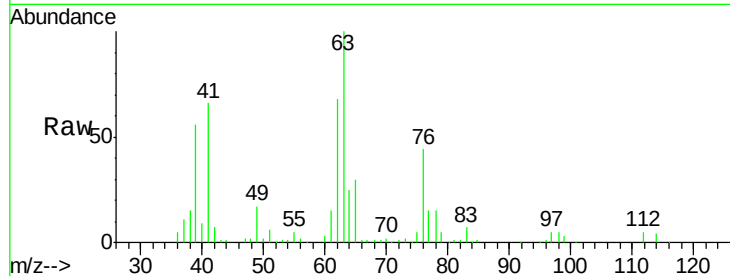
#45
 1,2-Dichloropropane
 Concen: 20.924 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 45403
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.3 37.9

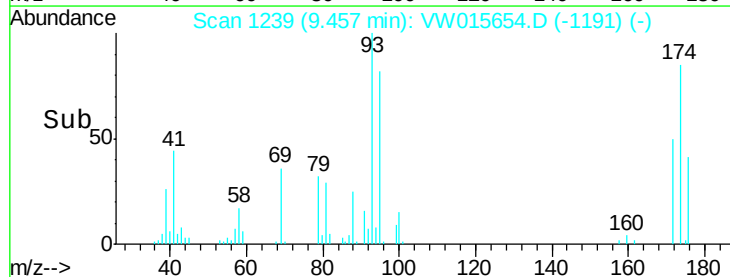
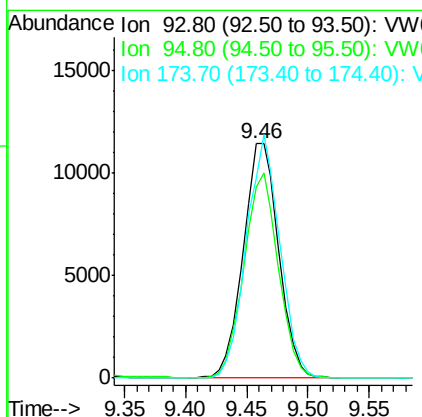
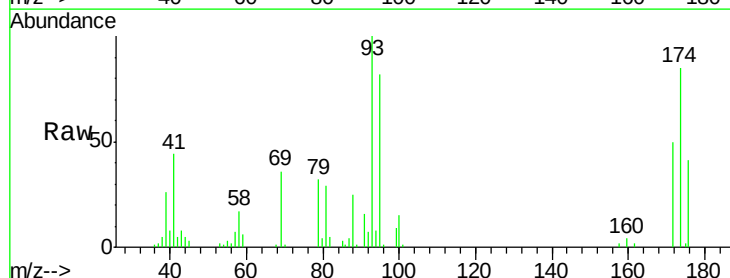
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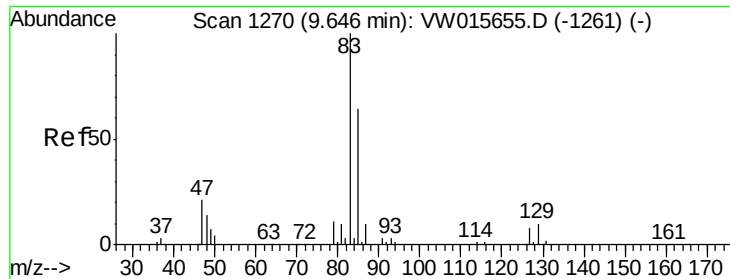
MMDadoda
 6/24/2020 10:58:12 AM



#46
 Dibromomethane
 Concen: 21.049 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 93 Resp: 23167
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.7 98.5
 174 97.8 79.0 118.6





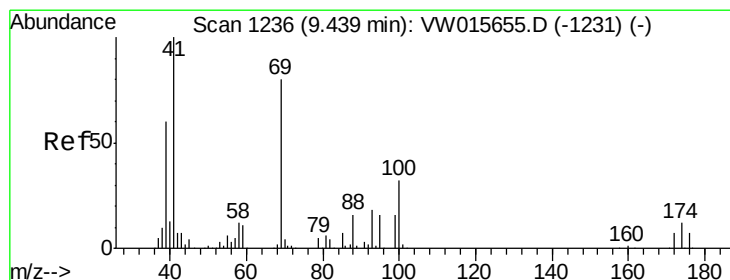
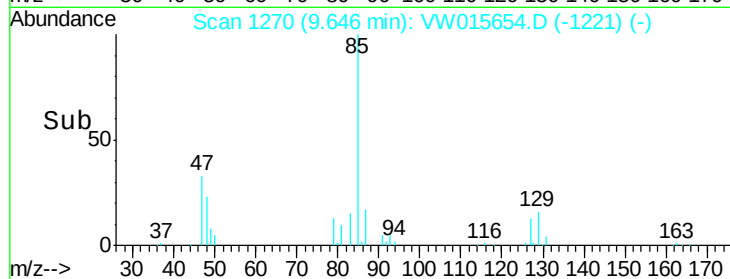
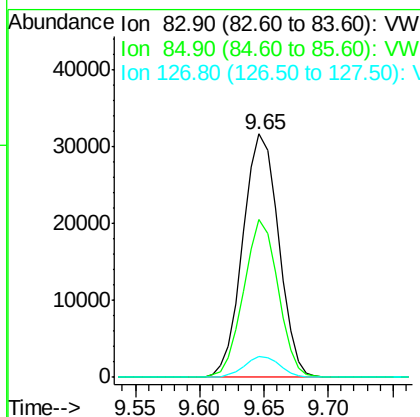
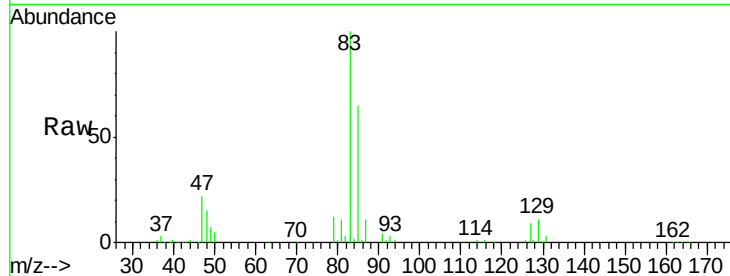
#47
Bromodichloromethane
Concen: 20.446 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	61015		
85	64.9		50.8	76.2
127	8.6		6.3	9.5

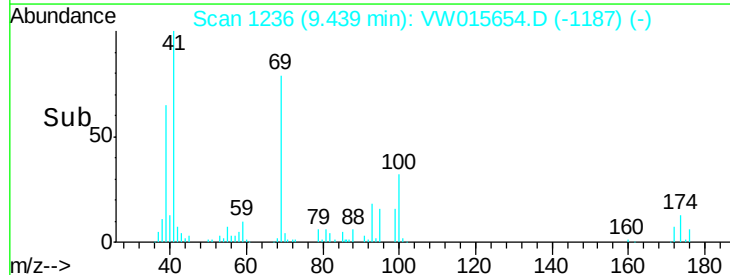
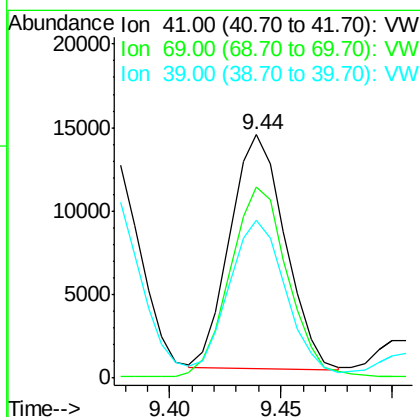
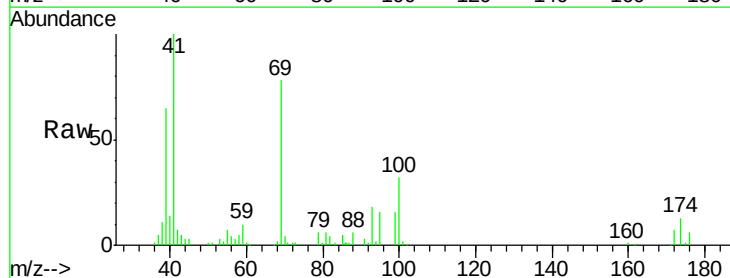
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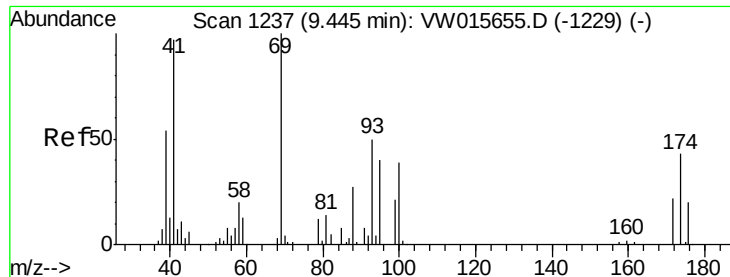
MMDadoda
6/24/2020 10:58:12 AM



#48
Methyl methacrylate
Concen: 21.170 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	24112		
69	86.8		68.2	102.2
39	65.2		49.8	74.6





#49

1,4-Dioxane

Concen: 419.720 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

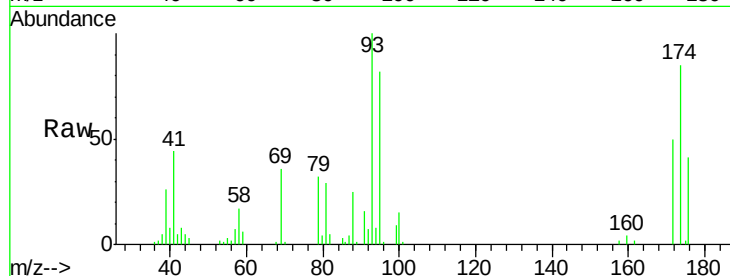
ClientSampleId :

VSTDIC020

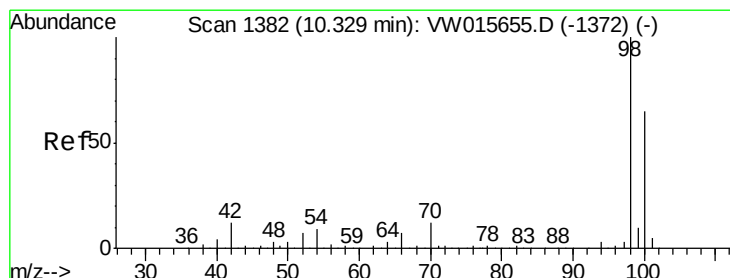
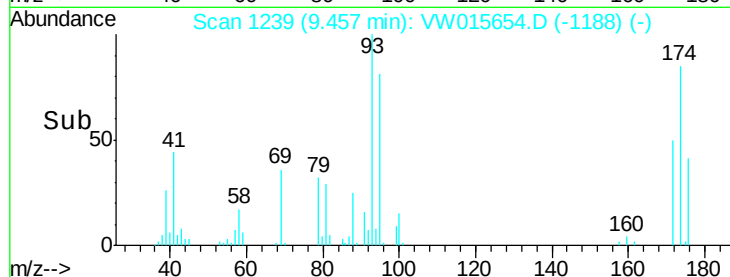
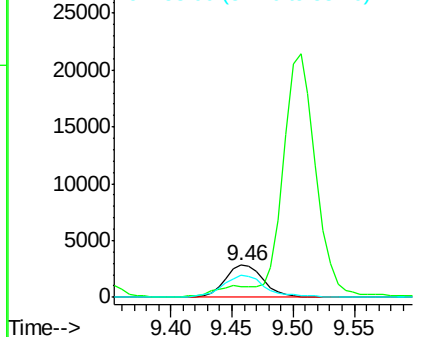
Tot Ion:	88	Resp:	6084
Ion	Ratio	Lower	Upper
88	100		
43	33.3	30.1	45.1
58	75.3	56.1	84.1

Manual Integrations
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6/24/2020 10:58:12 AM



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



#50

Toluene-d8

Concen: 21.408 ug/l

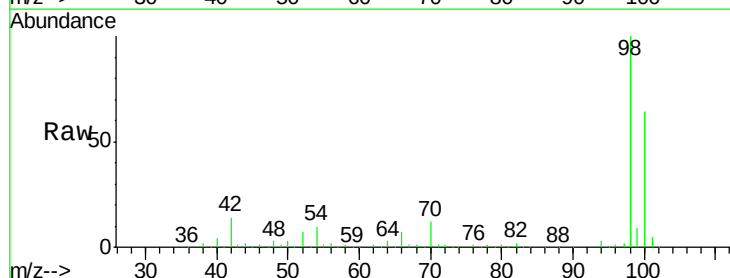
RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

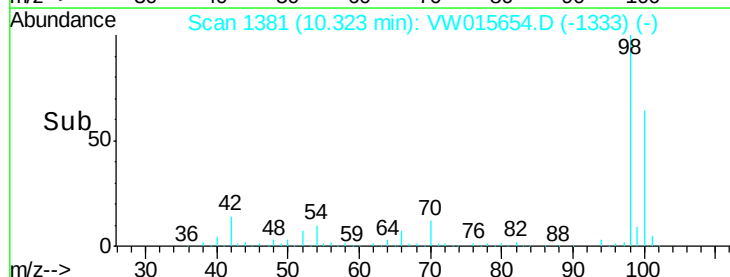
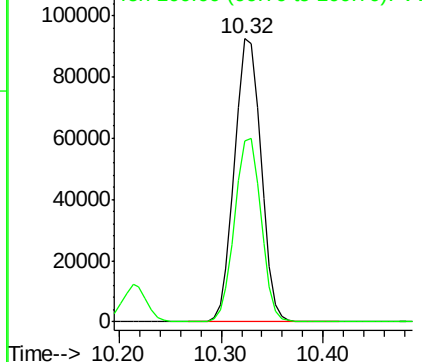
Lab File: VW015654.D

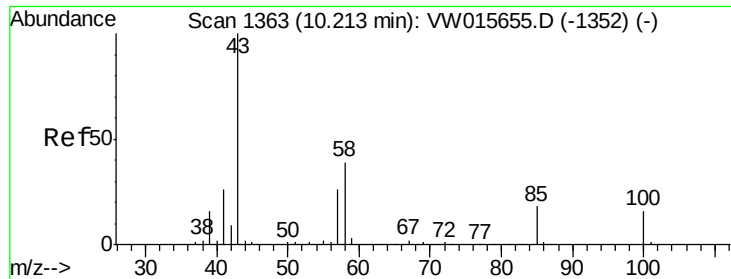
Acq: 23 Jun 2020 11:40

Tgt Ion:	98	Resp:	167052
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2



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





#51

4-Methyl-2-Pentanone

Concen: 112.104 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 132419

Ion Ratio Lower Upper

43 100

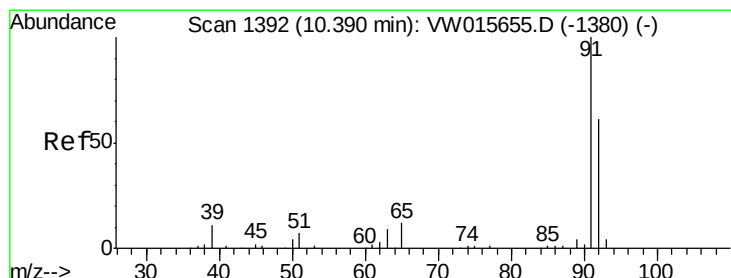
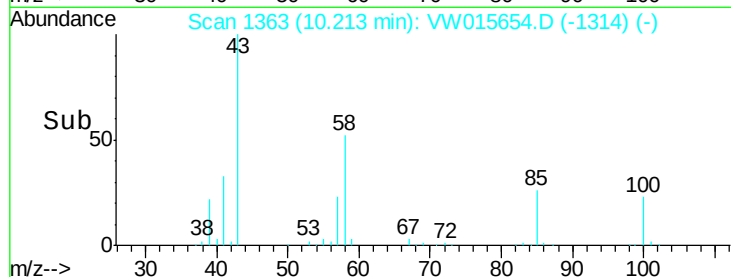
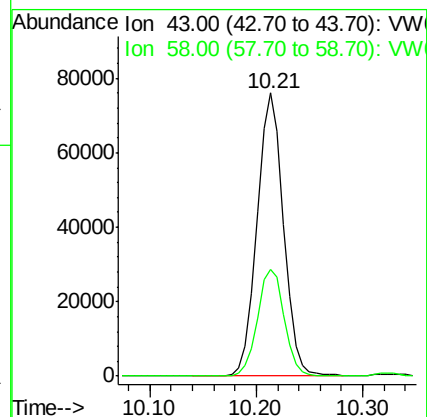
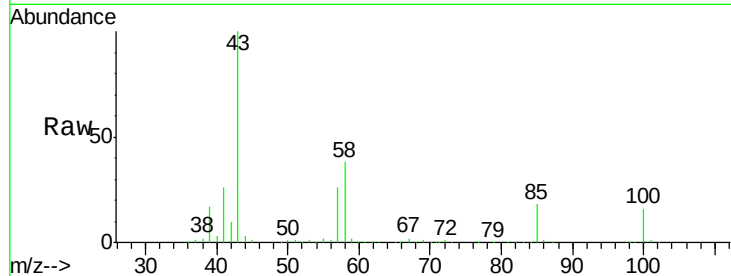
58 38.1 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 20.480 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015654.D

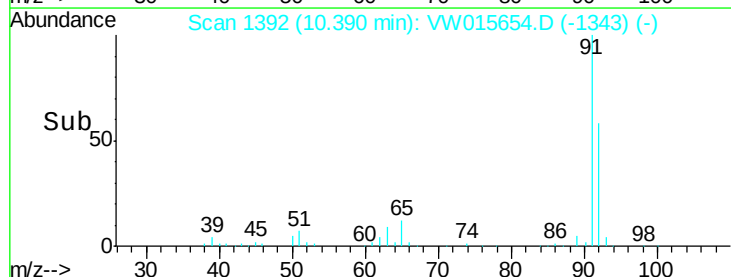
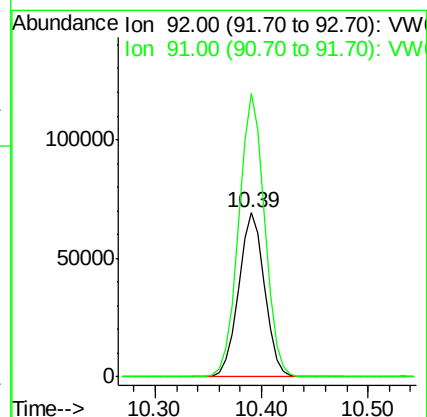
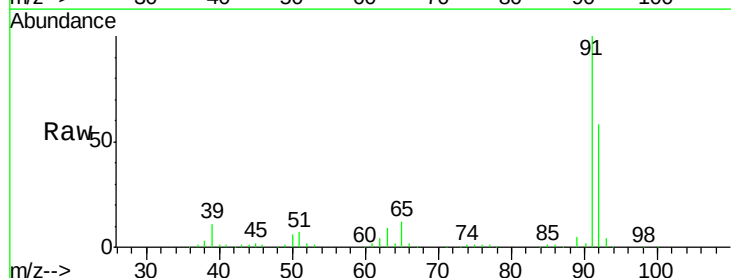
Acq: 23 Jun 2020 11:40

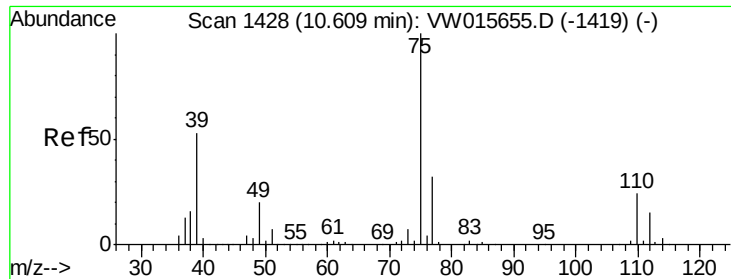
Tgt Ion: 92 Resp: 118172

Ion Ratio Lower Upper

92 100

91 172.4 135.5 203.3





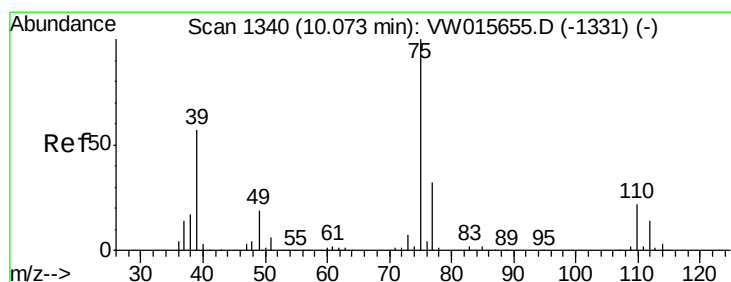
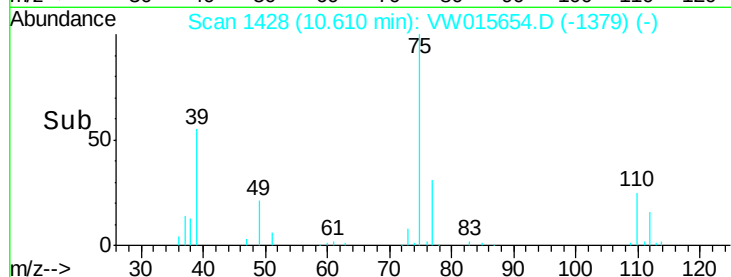
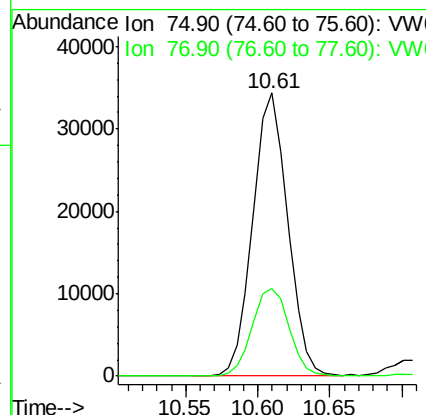
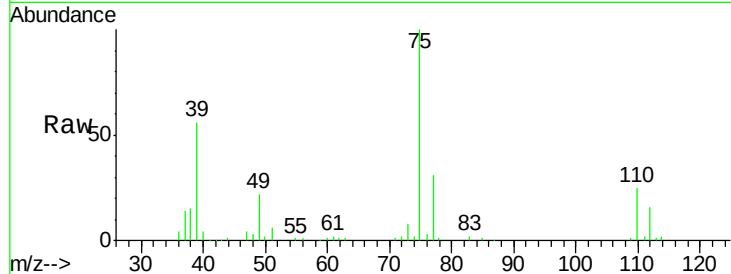
#53
t-1,3-Dichloropropene
Concen: 19.728 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

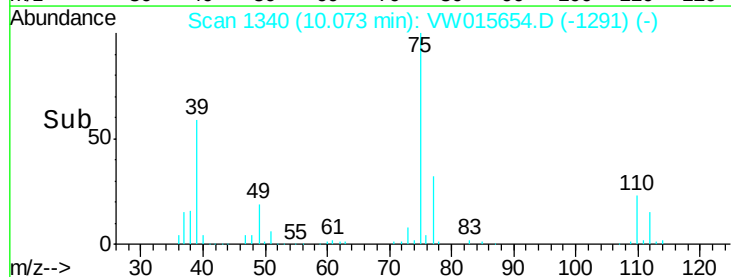
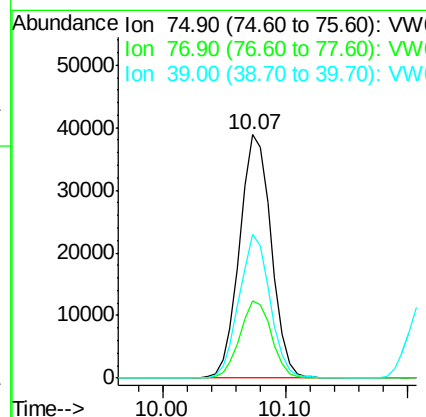
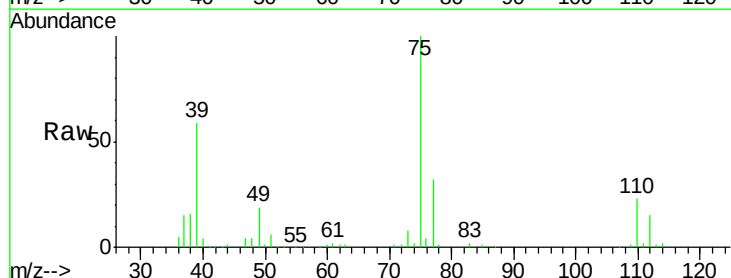
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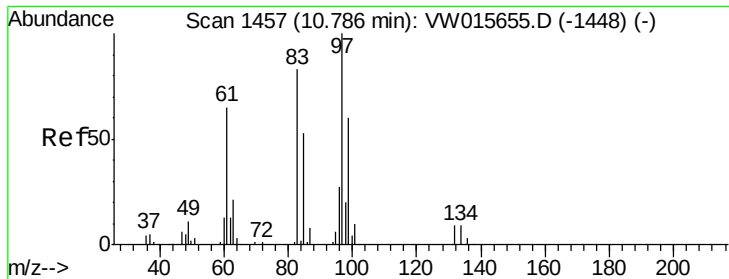
MMDadoda
6/24/2020 10:58:12 AM



#54
cis-1,3-Dichloropropene
Concen: 20.098 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2
39	58.8	45.8	68.6





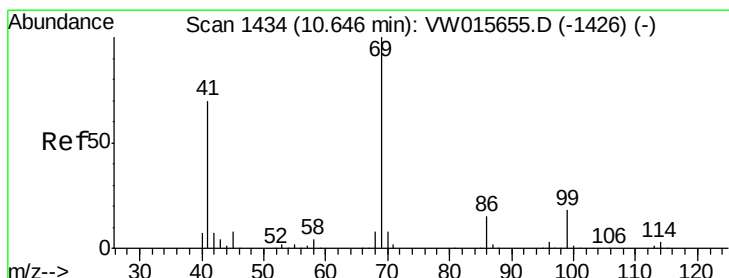
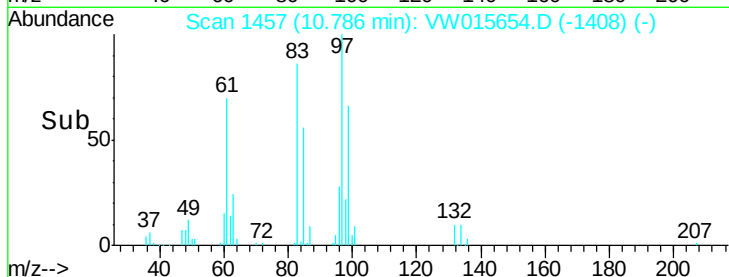
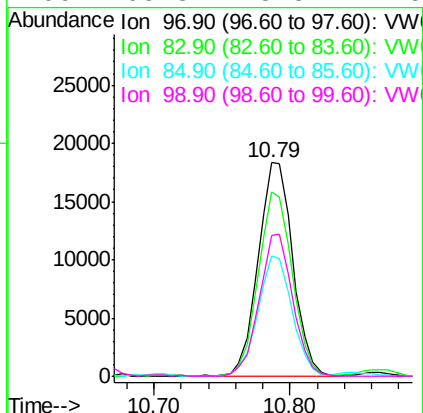
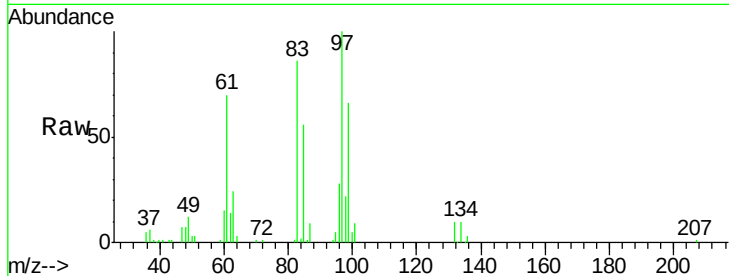
#55
1,1,2-Trichloroethane
Concen: 21.376 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:	97	Resp:	32832
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.3	99.5
85	56.1	42.5	63.7
99	65.8	48.3	72.5

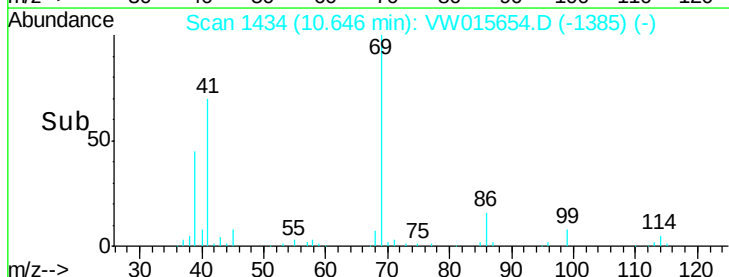
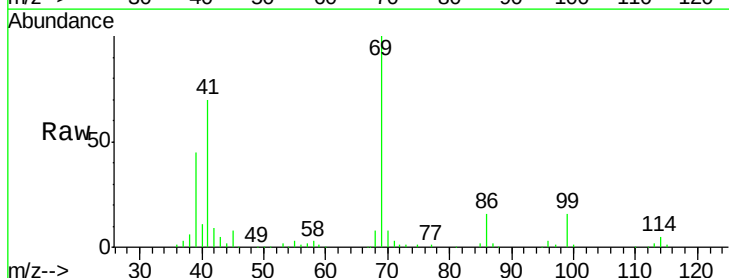
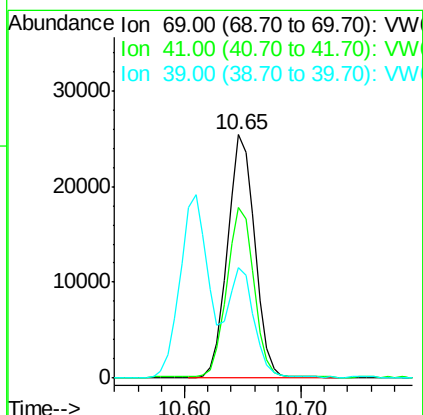
Manual Integrations
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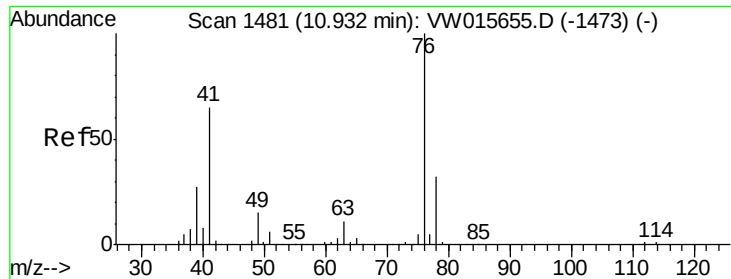
MMDadoda
6/24/2020 10:58:12 AM



#56
Ethyl methacrylate
Concen: 21.019 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:	69	Resp:	41664
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.6
39	43.7	29.5	44.3





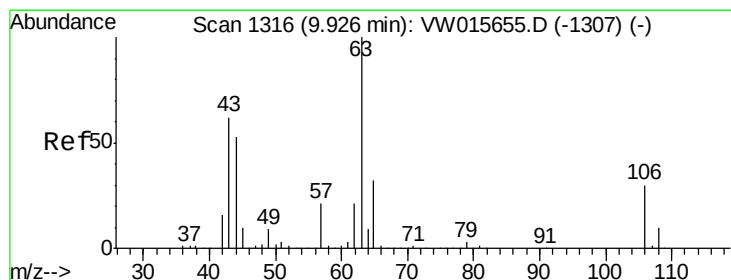
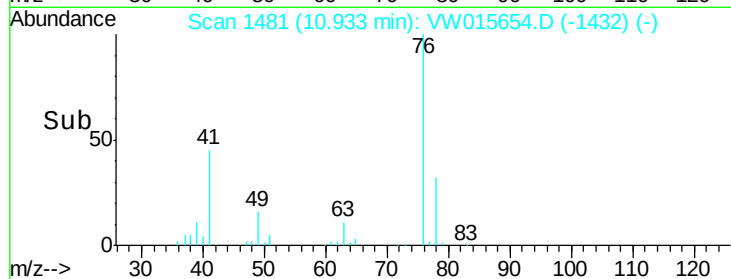
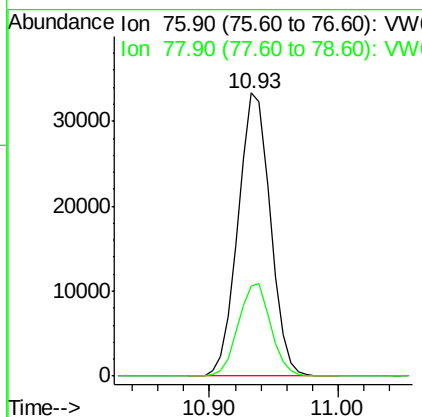
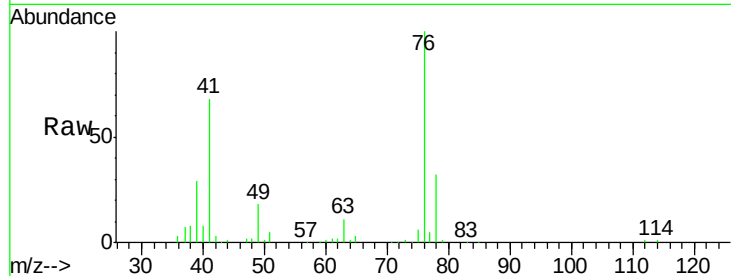
#57
 1,3-Dichloropropane
 Concen: 21.295 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 57954
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

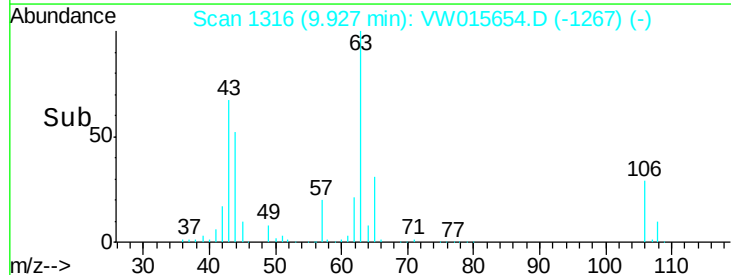
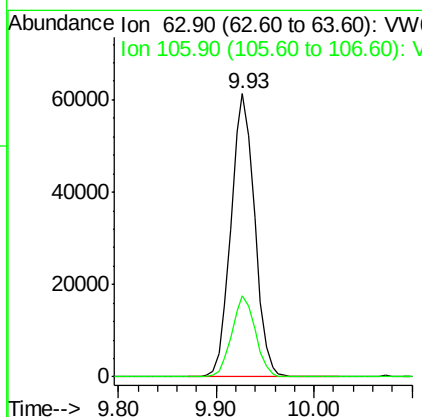
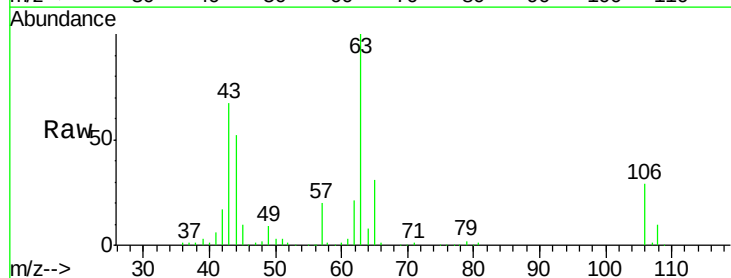
Manual Integrations
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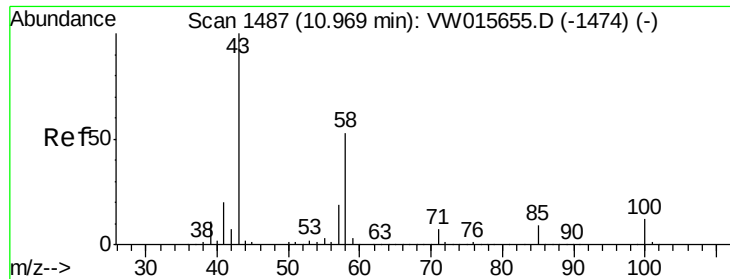
MMDadoda
 6/24/2020 10:58:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.762 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 63 Resp: 103086
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.3 34.9





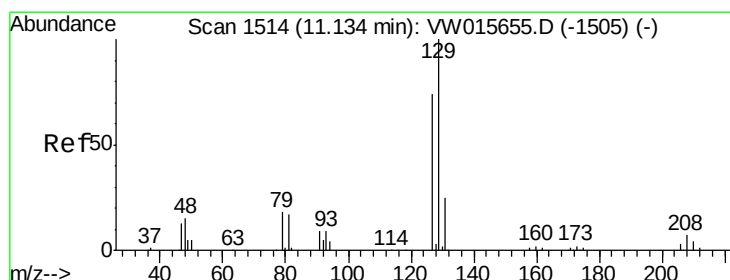
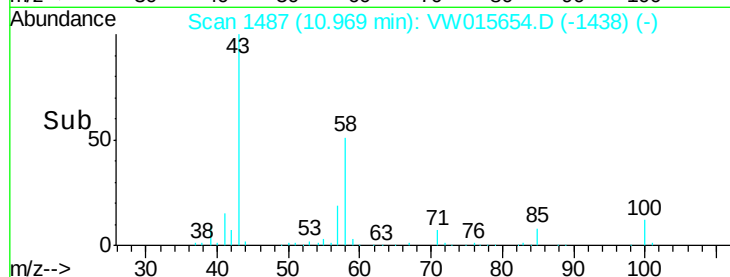
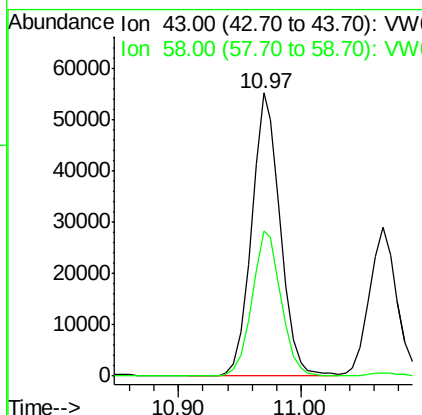
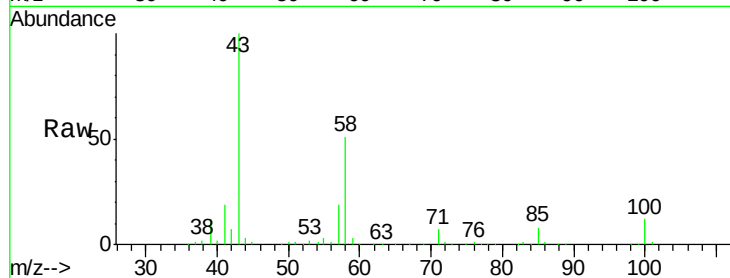
#59
2-Hexanone
Concen: 110.426 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 89666
Ion Ratio Lower Upper
43 100
58 52.5 26.5 79.4

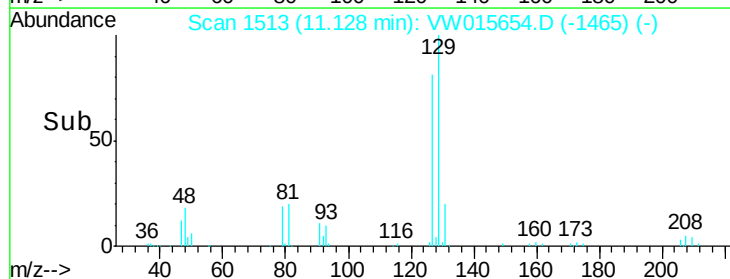
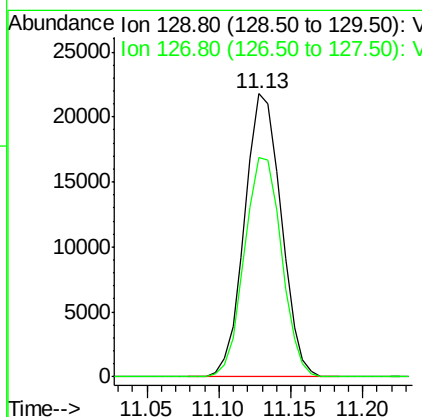
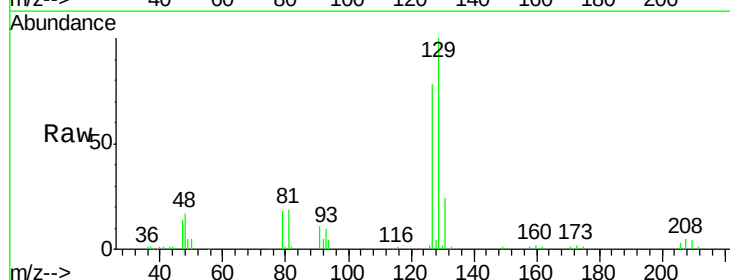
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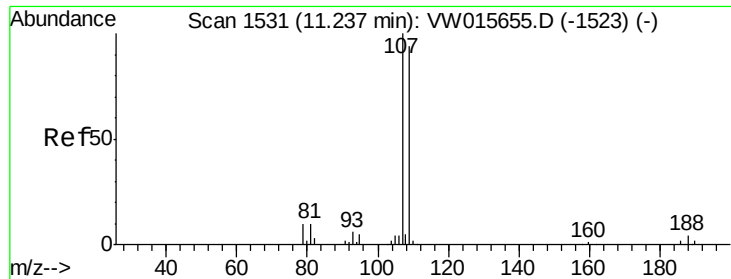
MMDadoda
6/24/2020 10:58:12 AM



#60
Dibromochloromethane
Concen: 20.531 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 129 Resp: 38367
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.1





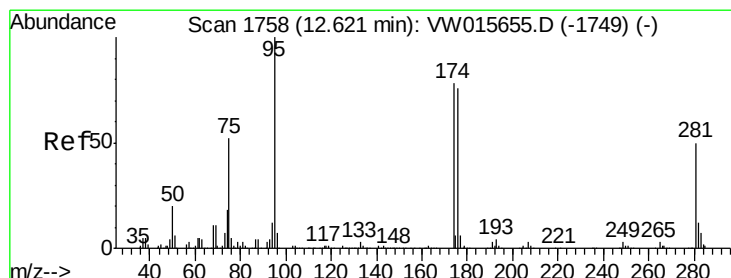
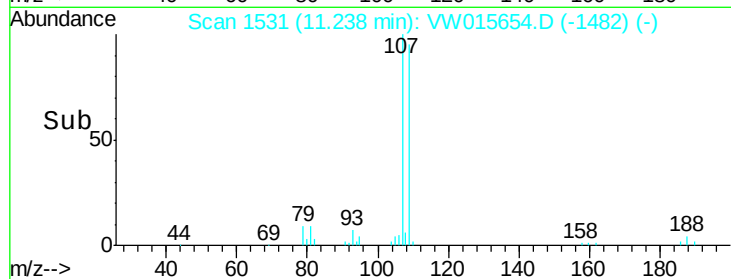
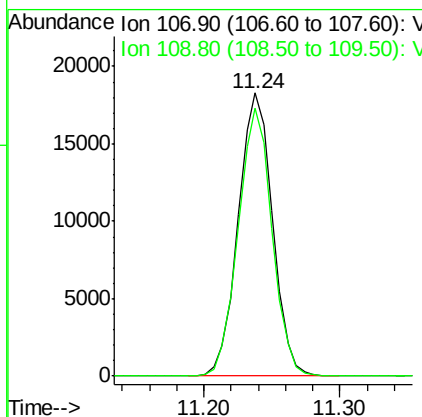
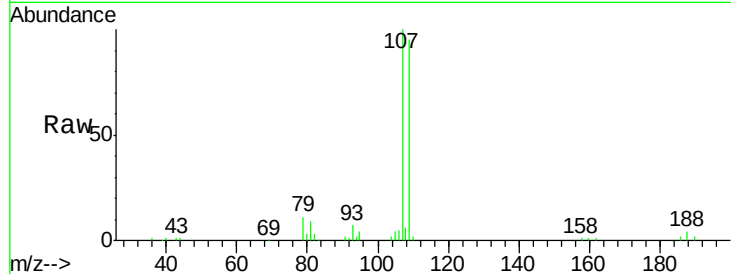
#61
 1,2-Dibromoethane
 Concen: 21.881 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.9	112.3

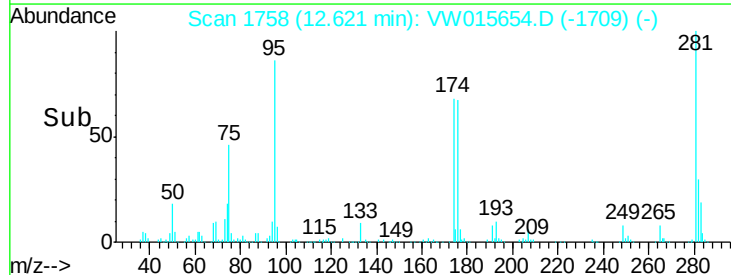
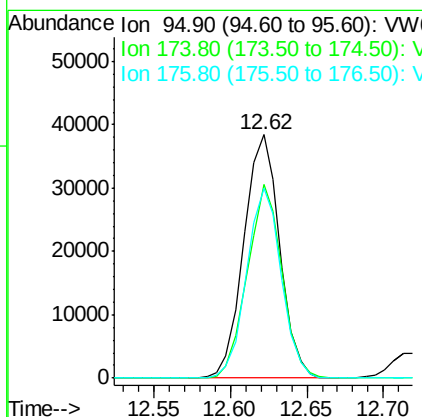
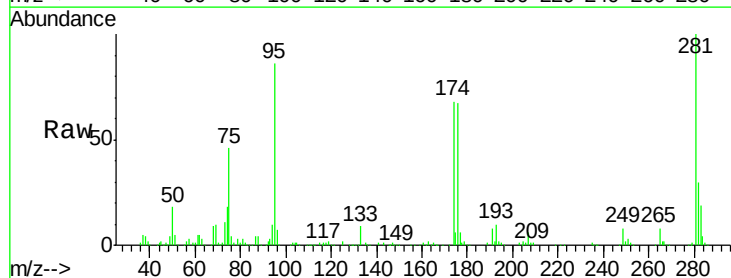
Manual Integrations
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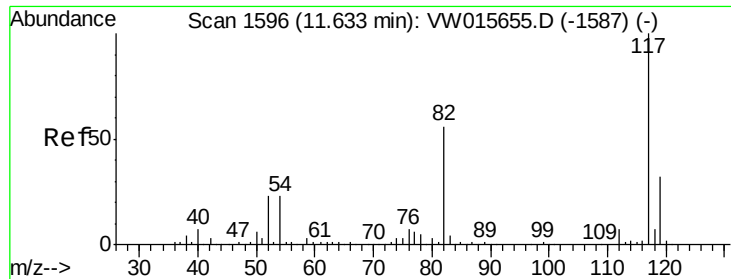
MMDadoda
 6/24/2020 10:58:12 AM



#62
 4-Bromofluorobenzene
 Concen: 22.070 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	157.0
176	75.7	0.0	151.4





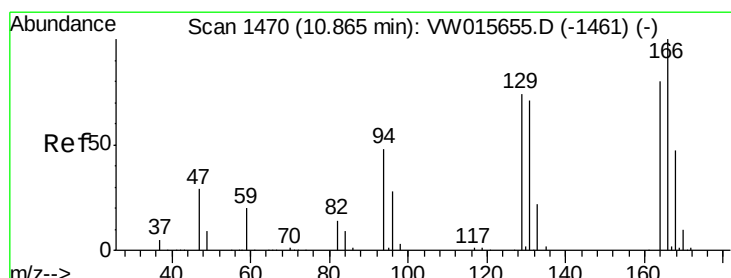
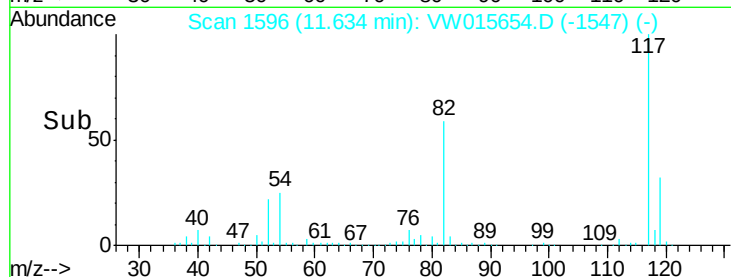
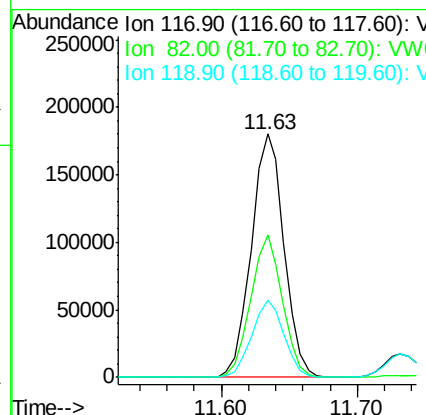
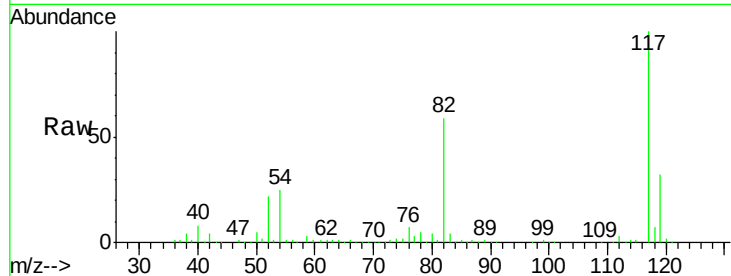
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	45.1	67.7
119	31.7	25.8	38.8

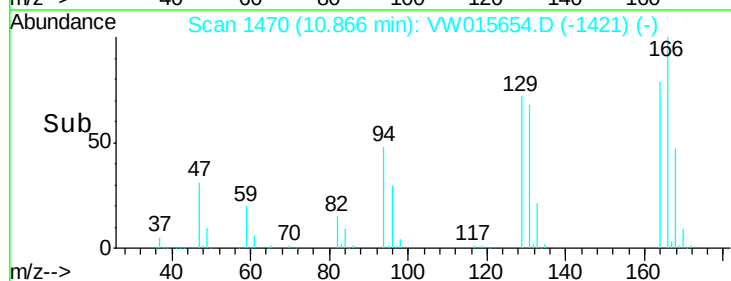
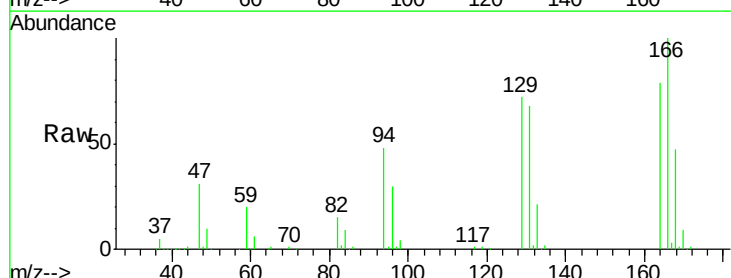
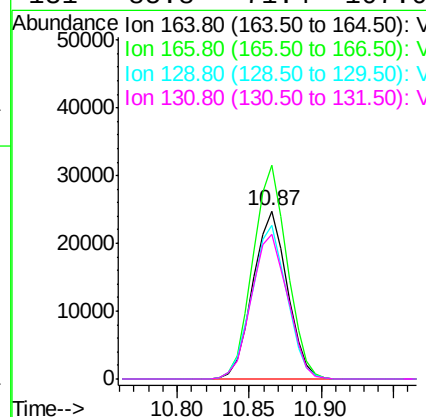
Manual Integrations
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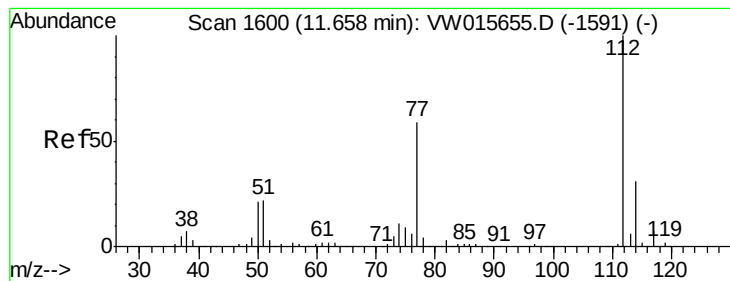
MMDadoda
6/24/2020 10:58:12 AM



#64
Tetrachloroethene
Concen: 19.876 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	99.9	149.9
129	91.4	74.2	111.2
131	85.8	71.4	107.0





#65

Chlorobenzene

Concen: 20.691 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 128268

Ion Ratio Lower Upper

112 100

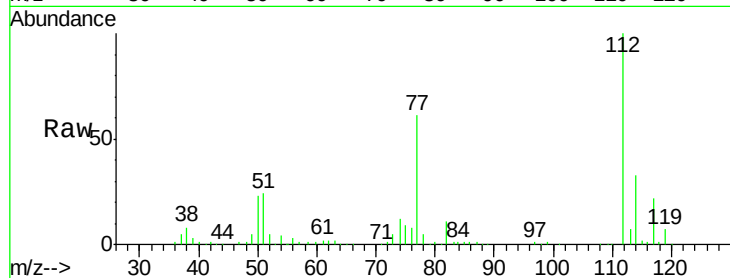
114 32.6 24.9 37.3

Manual Integrations

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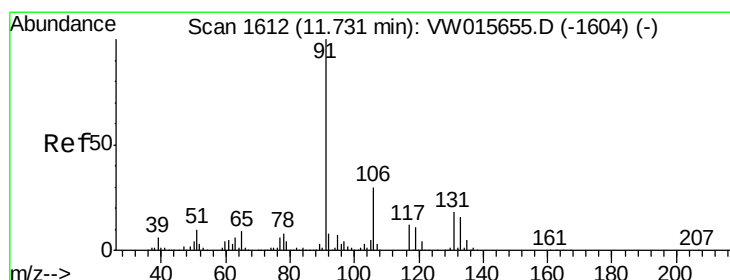
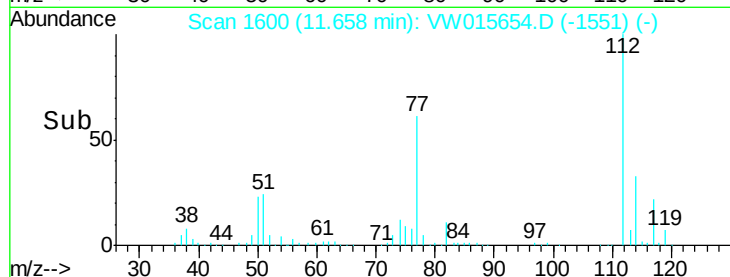
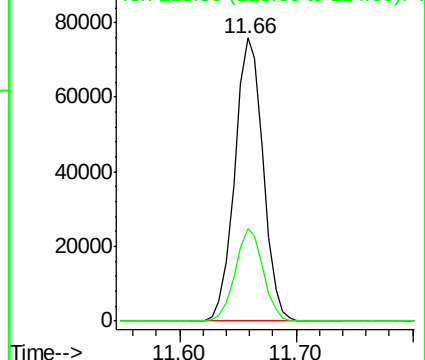
MMDadoda

6/24/2020 10:58:12 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.146 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

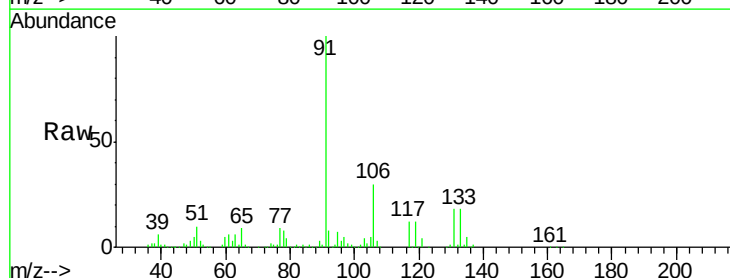
Tgt Ion:131 Resp: 44532

Ion Ratio Lower Upper

131 100

133 99.2 46.5 139.5

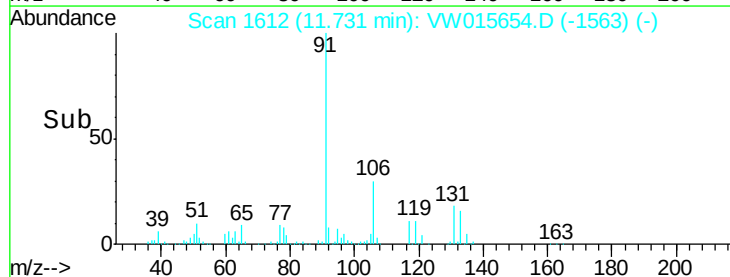
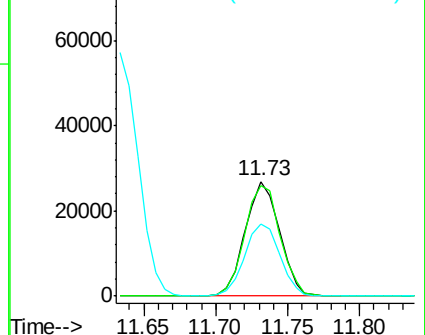
119 65.3 32.5 97.5

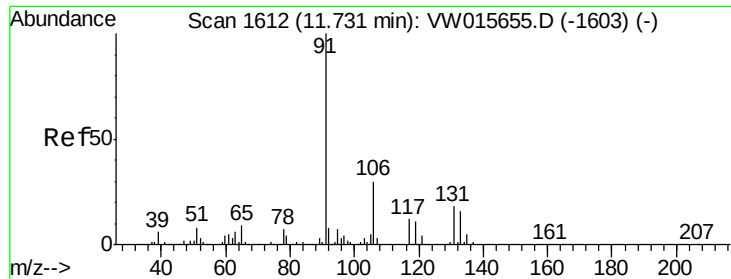


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





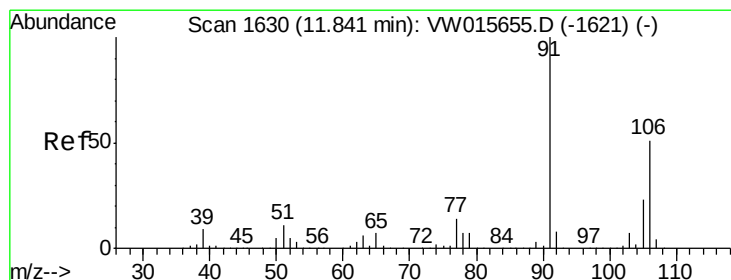
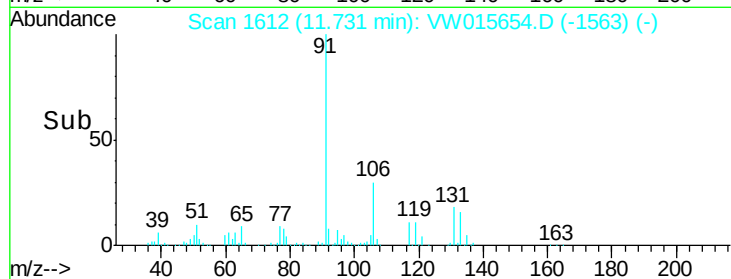
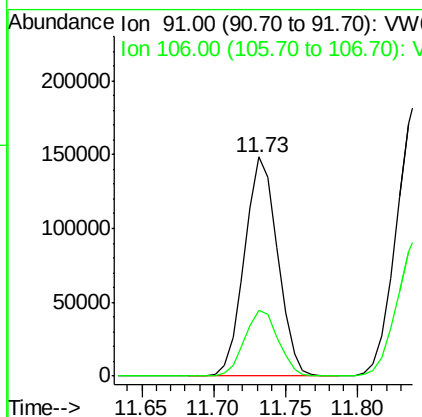
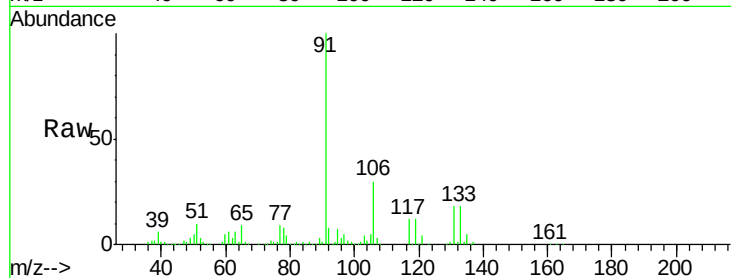
#67
Ethyl Benzene
Concen: 20.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 236958
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

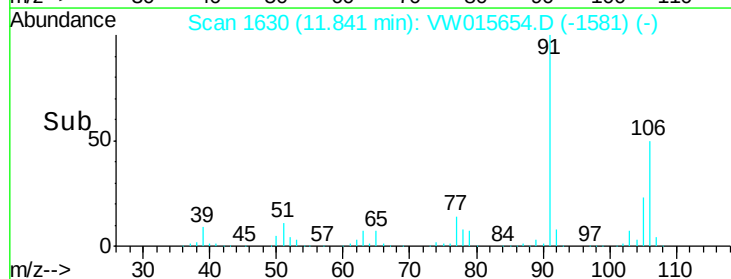
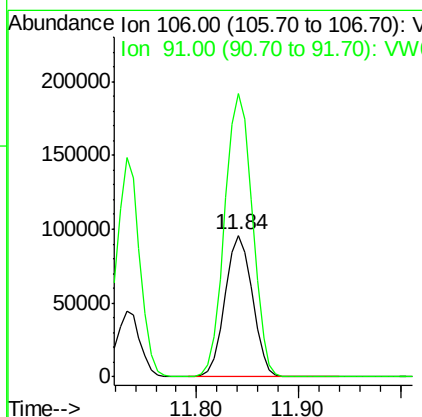
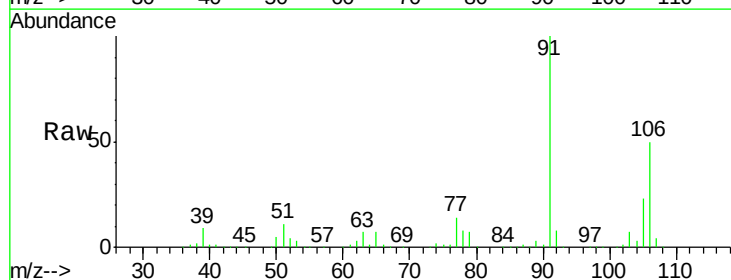
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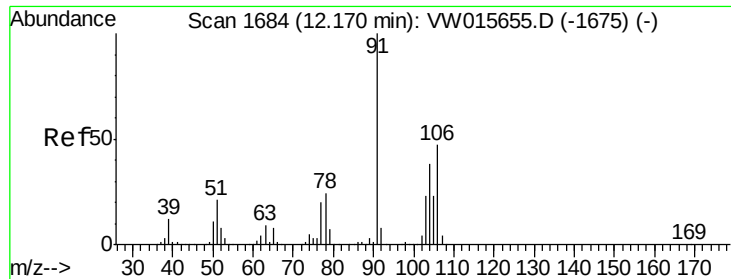
MMDadoda
6/24/2020 10:58:12 AM



#68
m/p-Xylenes
Concen: 40.822 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 106 Resp: 177931
Ion Ratio Lower Upper
106 100
91 202.8 162.6 244.0





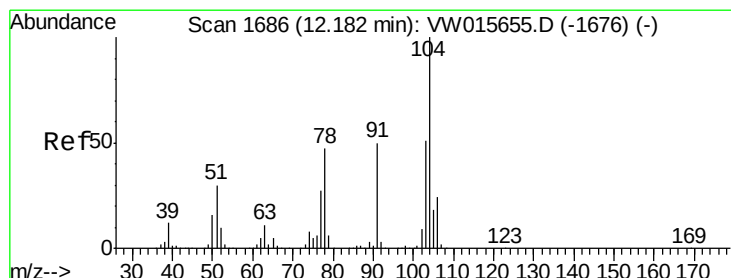
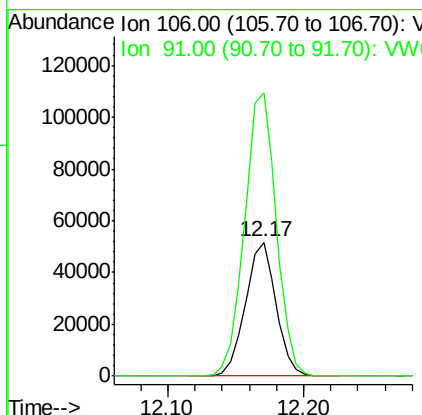
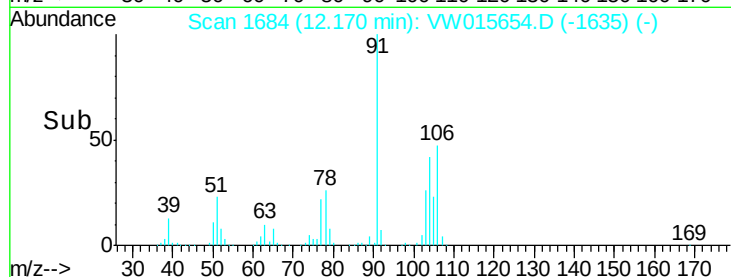
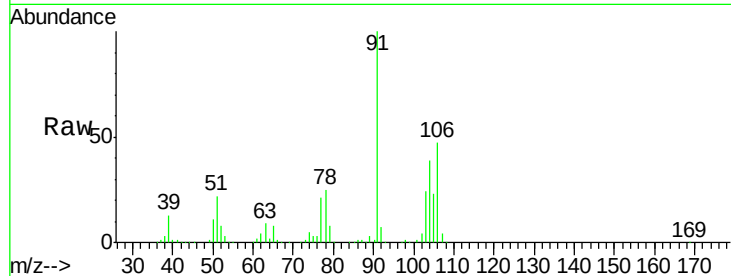
#69
o-Xylene
Concen: 20.091 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 81290
Ion Ratio Lower Upper
106 100
91 219.7 108.3 324.9

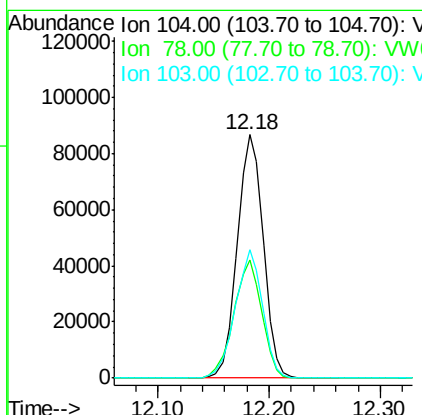
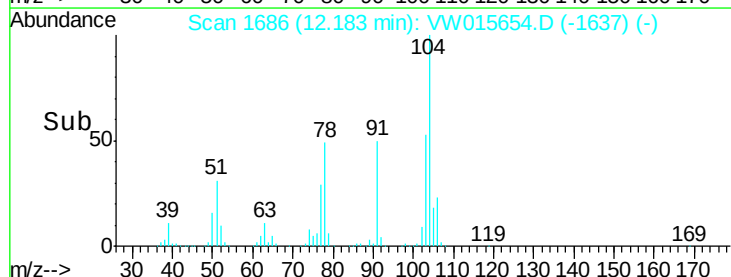
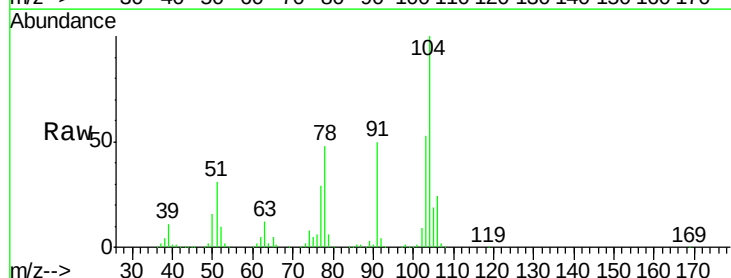
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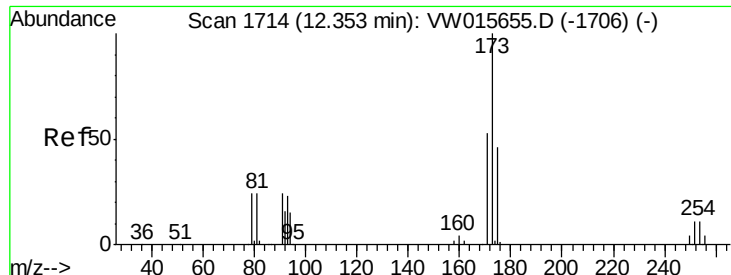
MMDadoda
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#70
Styrene
Concen: 20.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:104 Resp: 140486
Ion Ratio Lower Upper
104 100
78 52.2 40.9 61.3
103 55.0 43.1 64.7





#71

Bromoform

Concen: 19.899 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 20779

Ion Ratio Lower Upper

173 100

175 46.9 23.5 70.6

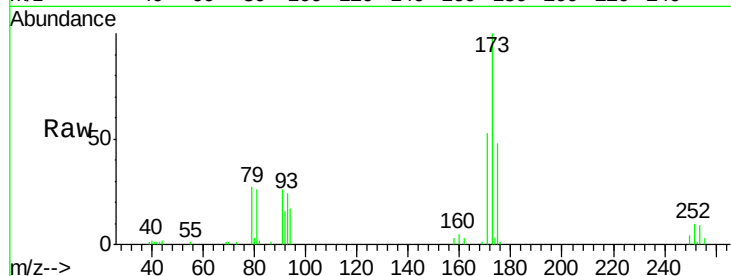
254 0.0 0.1 0.1#

Manual Integrations

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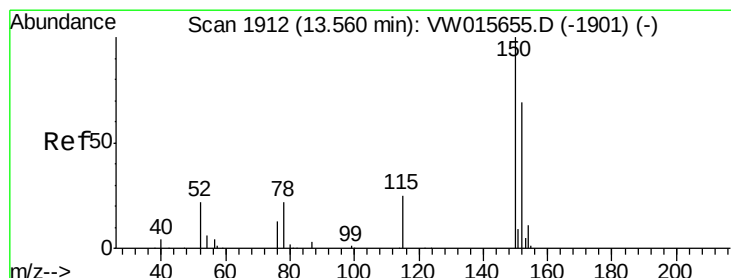
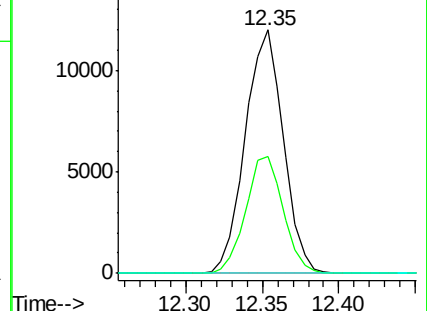
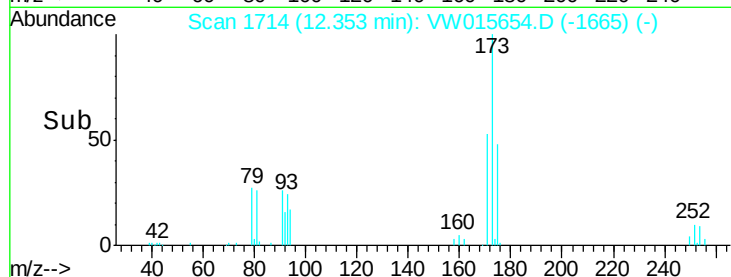
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

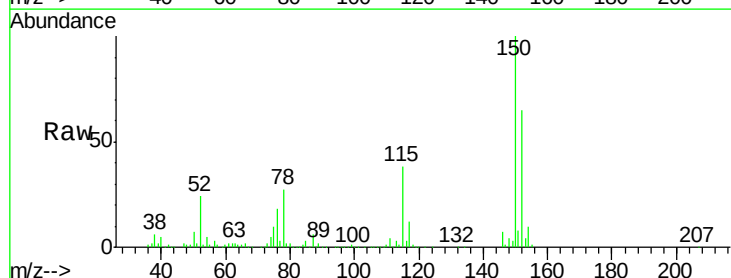
Tgt Ion:152 Resp: 155107

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

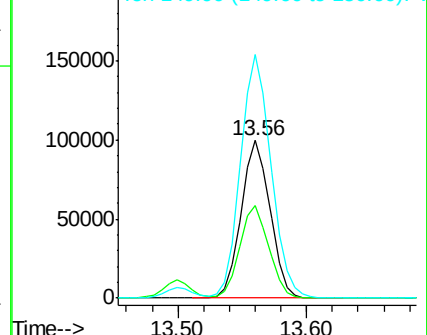
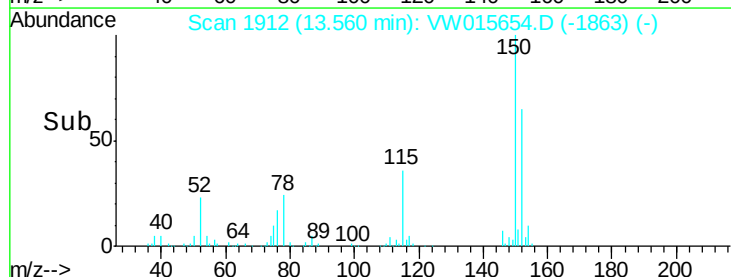
150 162.7 0.0 345.6

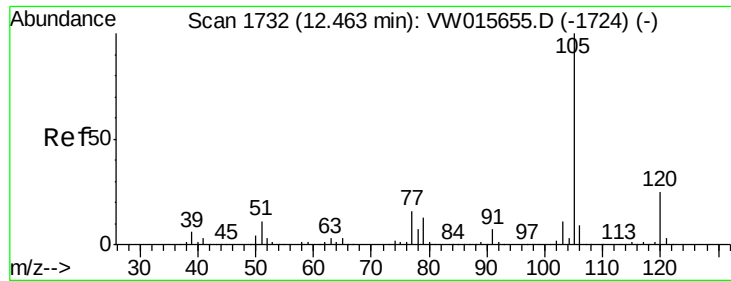


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





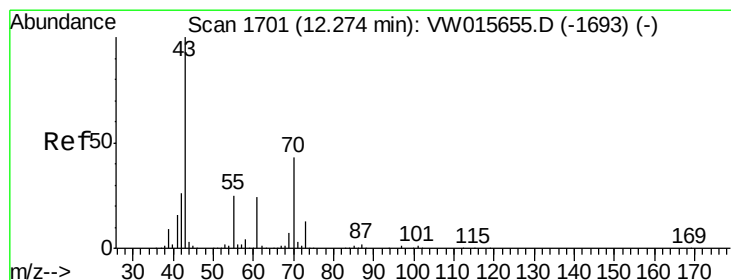
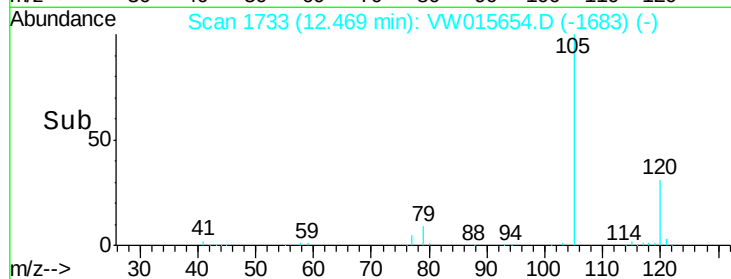
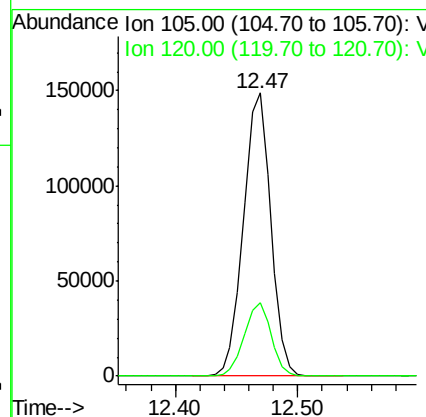
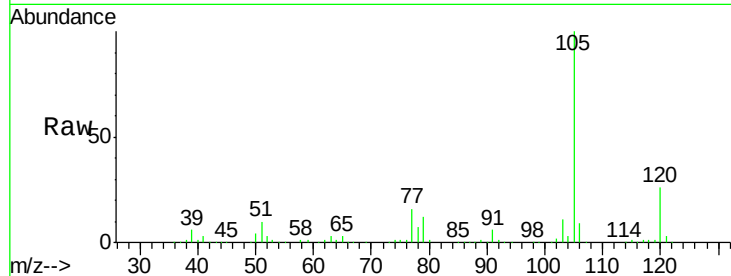
#73
Isopropylbenzene
Concen: 19.309 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 105 Resp: 229560
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

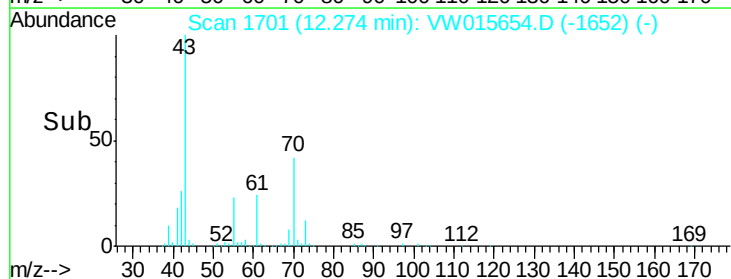
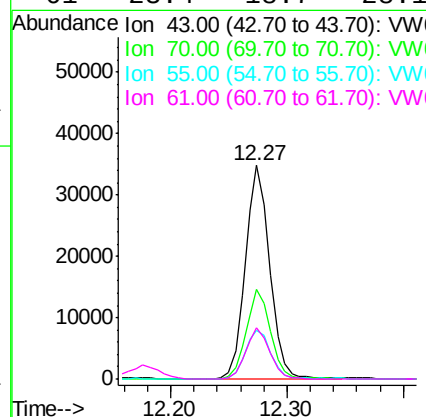
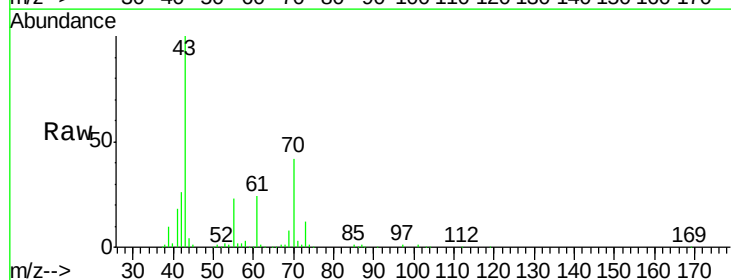
Manual Integrations
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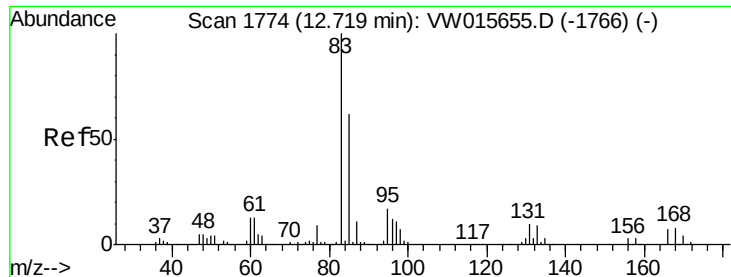
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#74
N-ethyl acetate
Concen: 20.477 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 43 Resp: 51108
Ion Ratio Lower Upper
43 100
70 41.8 33.6 50.4
55 24.2 19.7 29.5
61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.595 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

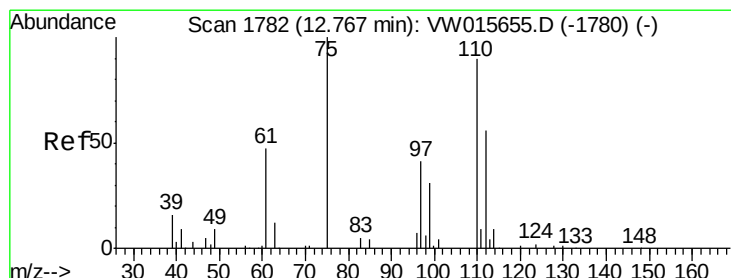
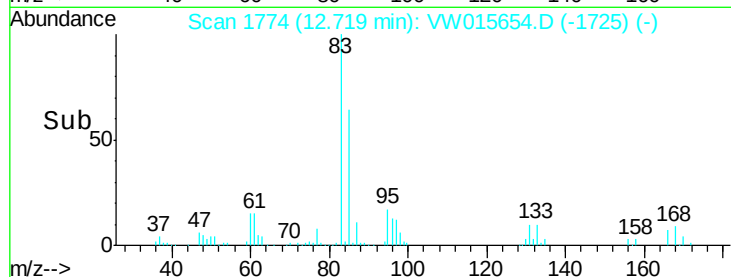
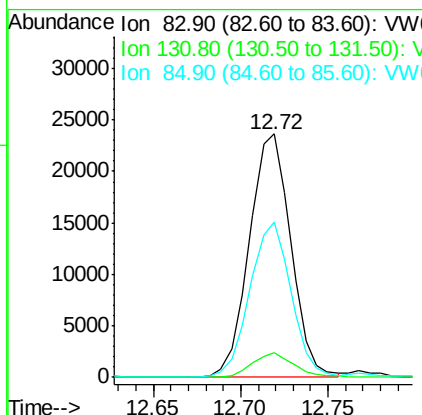
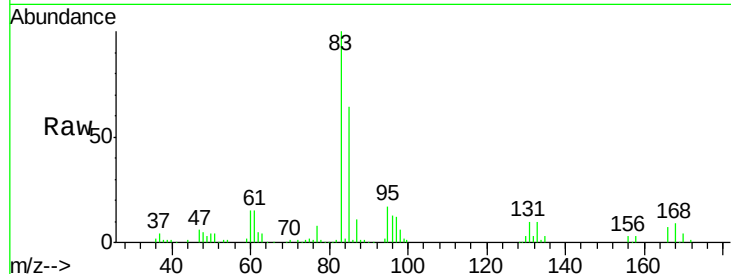
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	38989
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	63.3	31.9	95.7

Manual Integrations
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MMDadoda
6/24/2020 10:58:12 AM



#76

1,2,3-Trichloropropane

Concen: 22.545 ug/l m

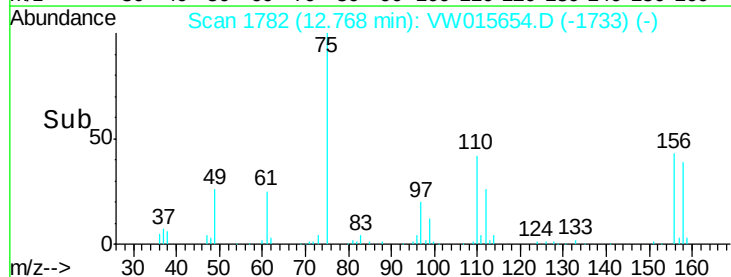
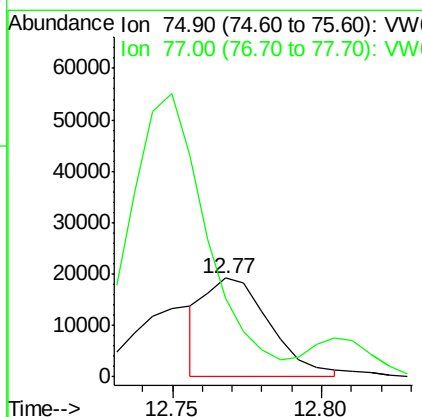
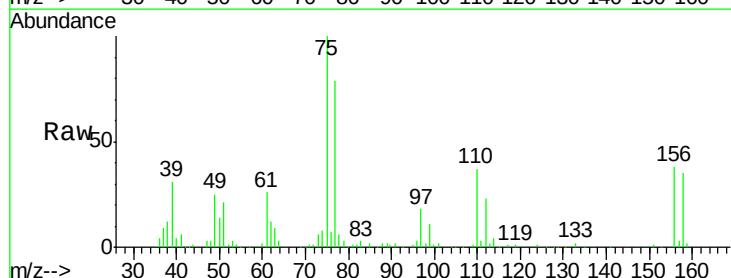
RT: 12.77 min Scan# 1782

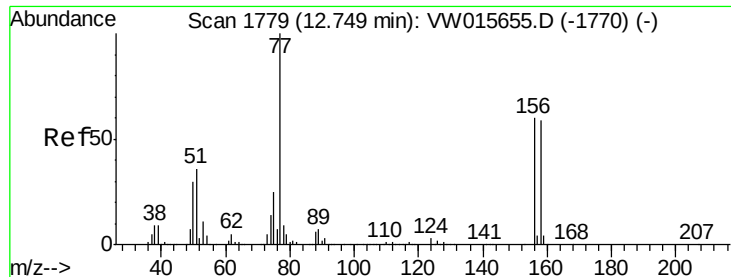
Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion:	75	Resp:	29440
Ion Ratio	Lower	Upper	
75	100		
77	338.2	179.1	537.1





#77

Bromobenzene

Concen: 19.865 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 50970

Ion Ratio Lower Upper

156 100

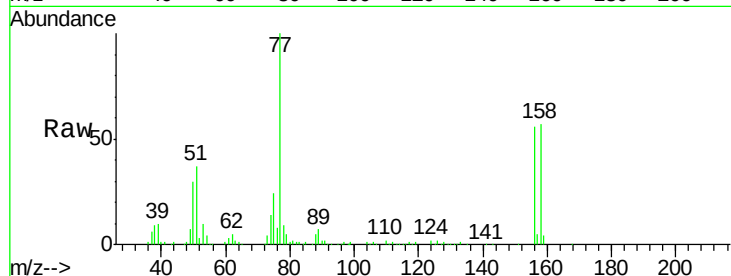
77 195.4 94.5 283.5

158 98.5 47.9 143.6

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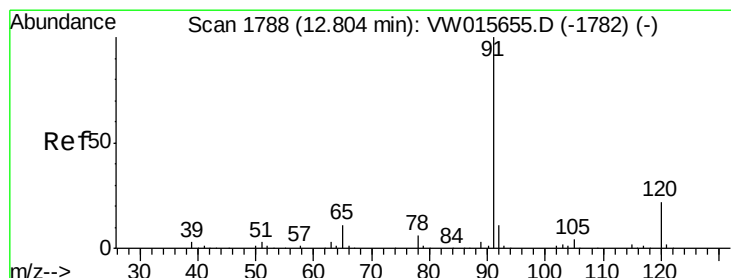
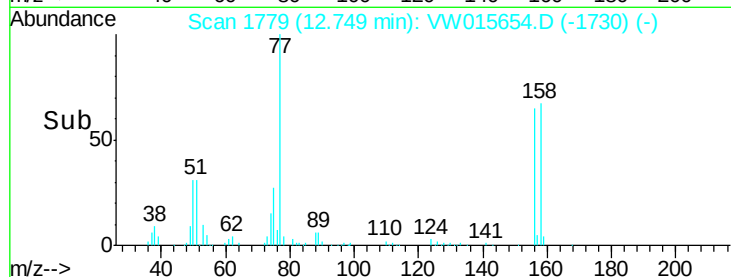
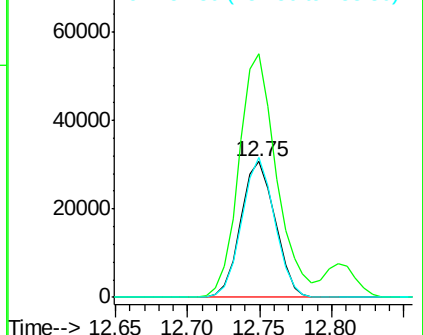
6/24/2020 10:58:12 AM



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: 19.774 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015654.D

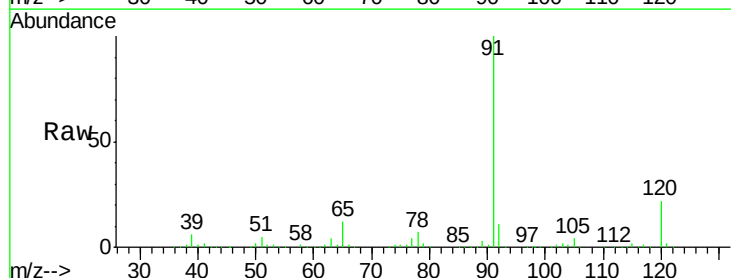
Acq: 23 Jun 2020 11:40

Tgt Ion: 91 Resp: 281636

Ion Ratio Lower Upper

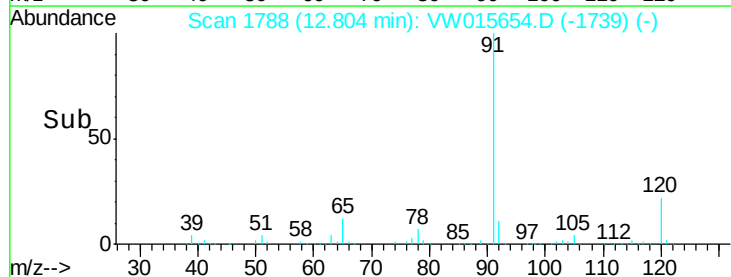
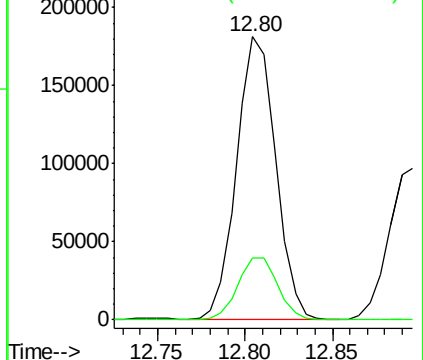
91 100

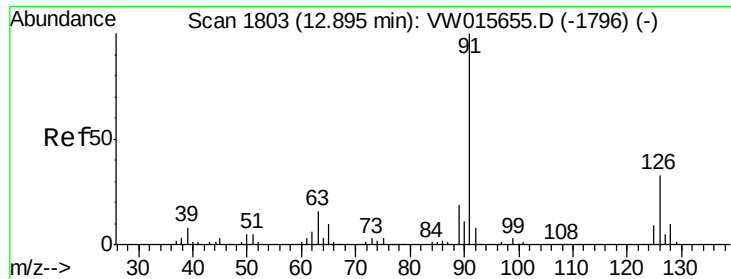
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.600 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 157594

Ion Ratio Lower Upper

91 100

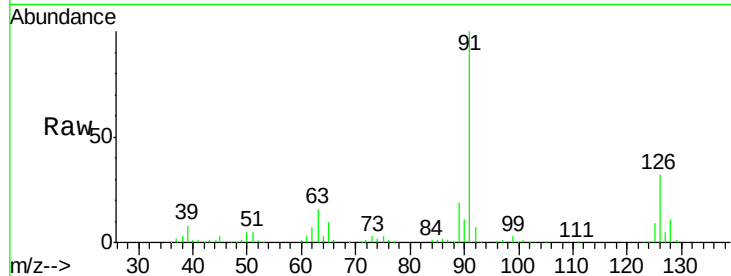
126 32.7 16.6 49.8

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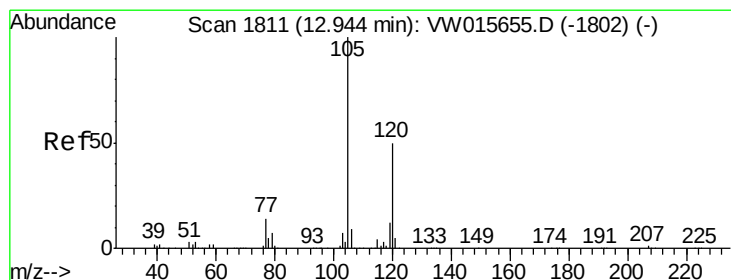
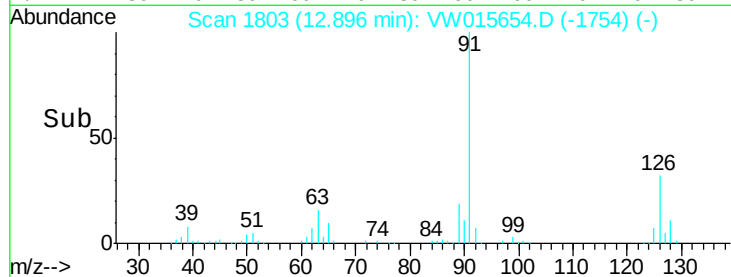
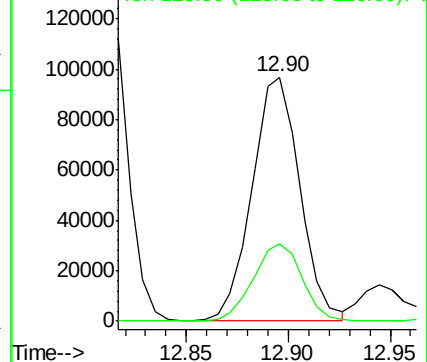
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.943 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015654.D

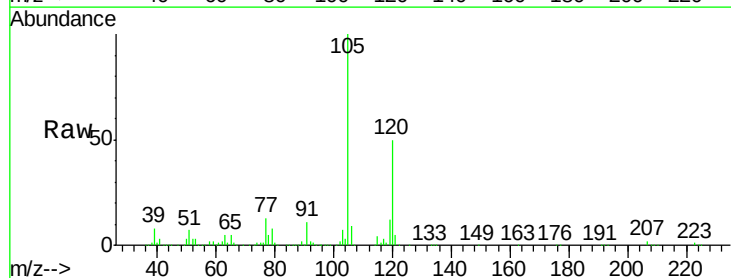
Acq: 23 Jun 2020 11:40

Tgt Ion:105 Resp: 200317

Ion Ratio Lower Upper

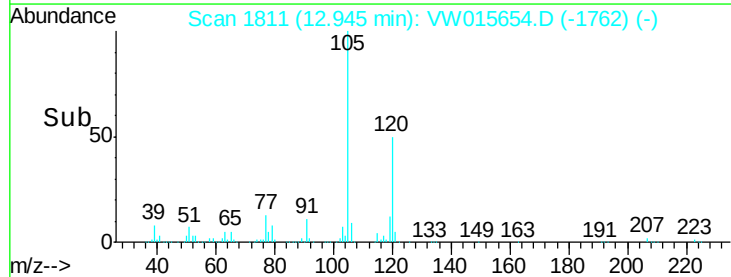
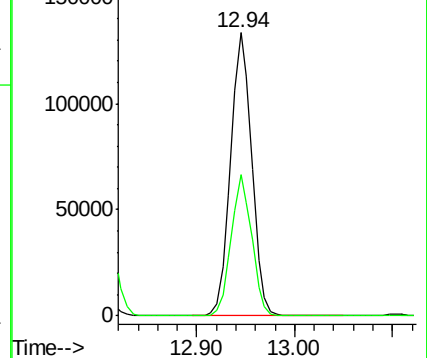
105 100

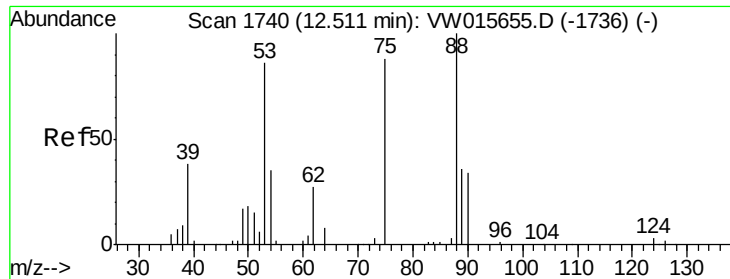
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





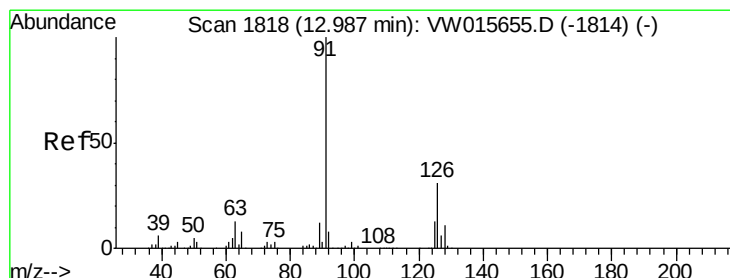
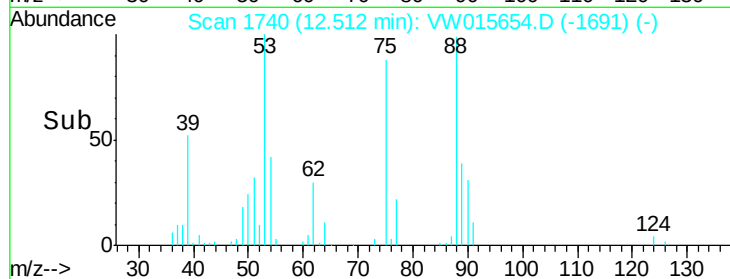
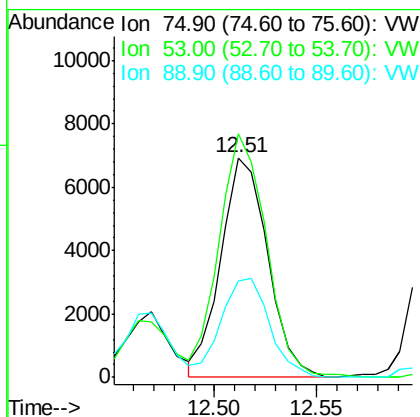
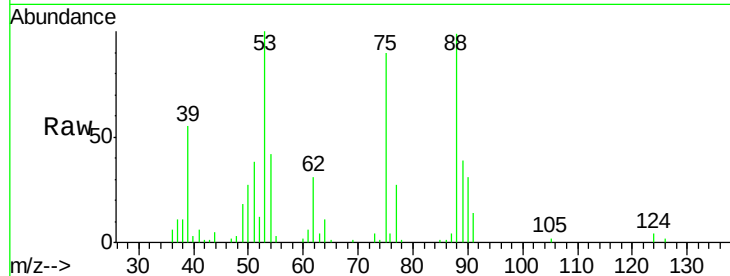
#81
trans-1,4-Dichloro-2-butene
Concen: 18.727 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	83.8	125.8
89	46.9	36.6	55.0

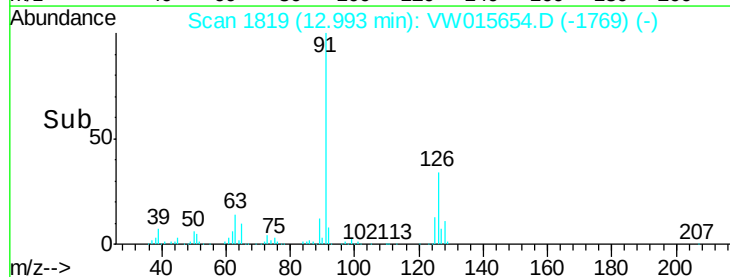
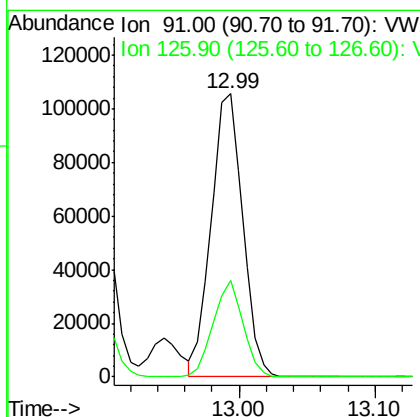
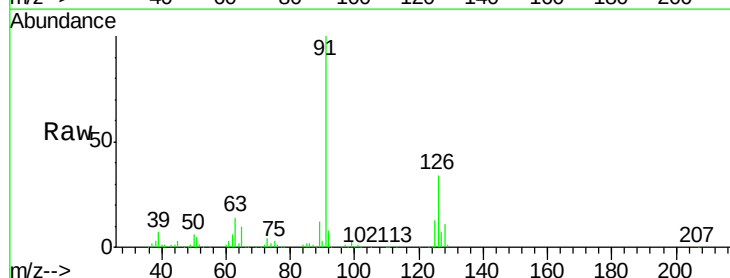
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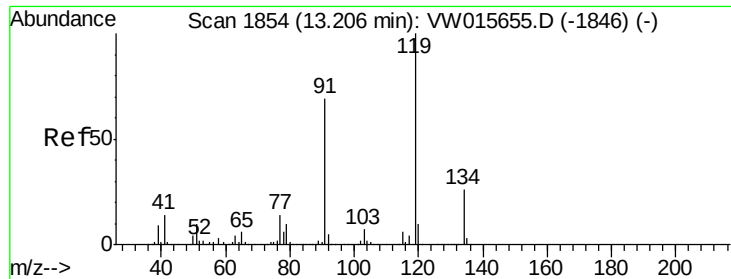
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#82
4-Chlorotoluene
Concen: 20.379 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9





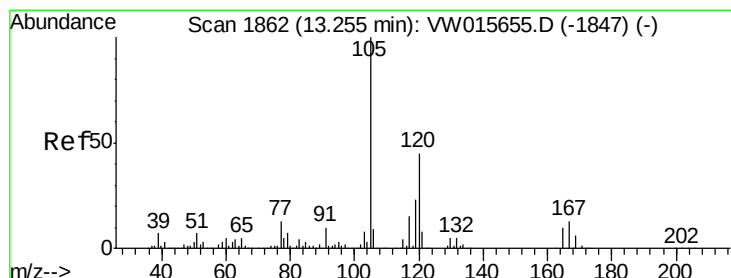
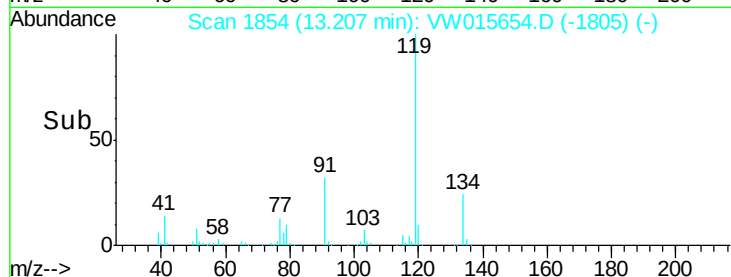
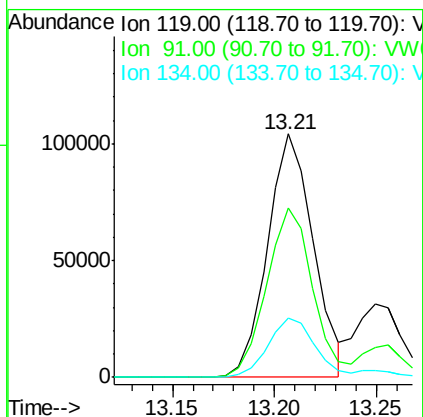
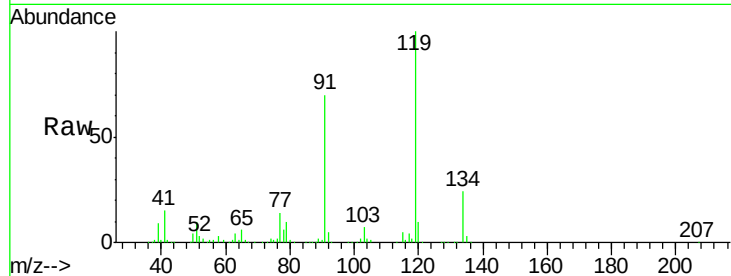
#83
 tert-Butylbenzene
 Concen: 19.094 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.7	104.1
134	24.9	13.8	41.4

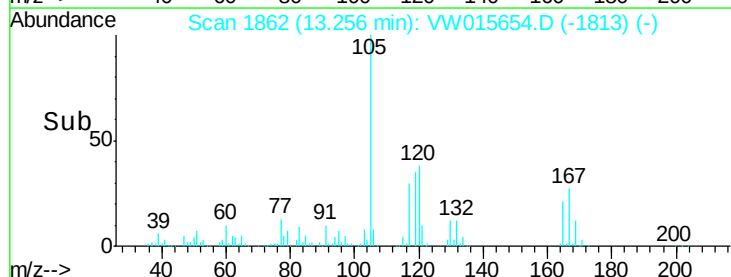
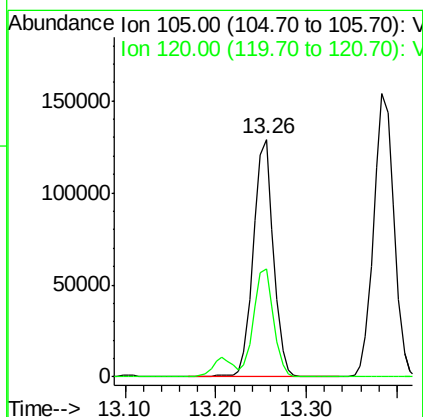
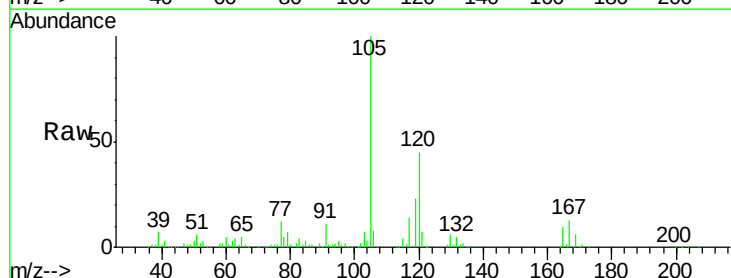
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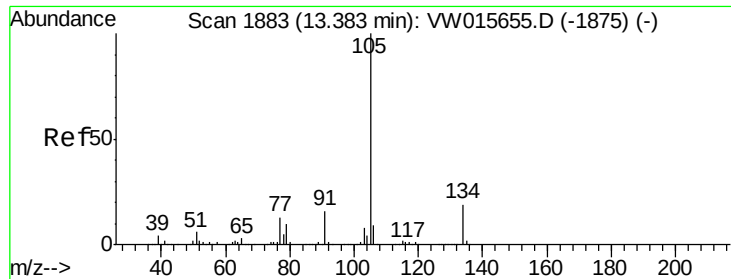
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.701 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.625 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 237880

Ion Ratio Lower Upper

105 100

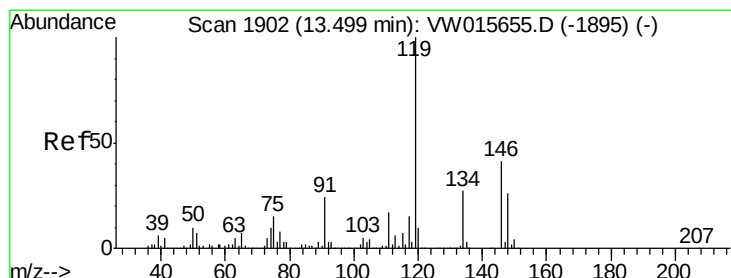
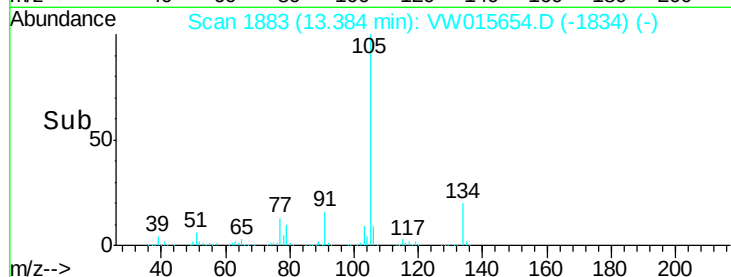
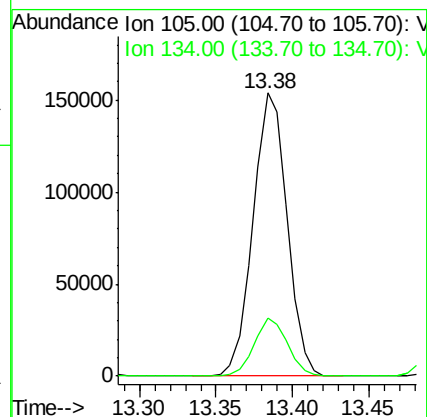
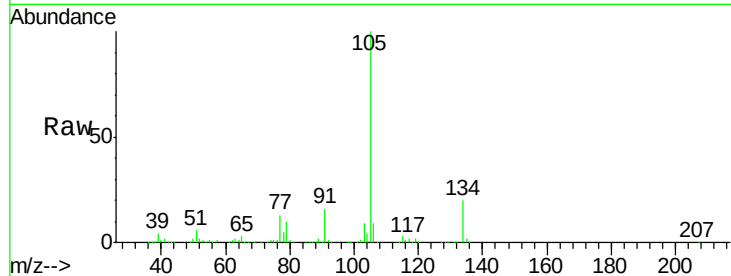
134 20.0 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.445 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

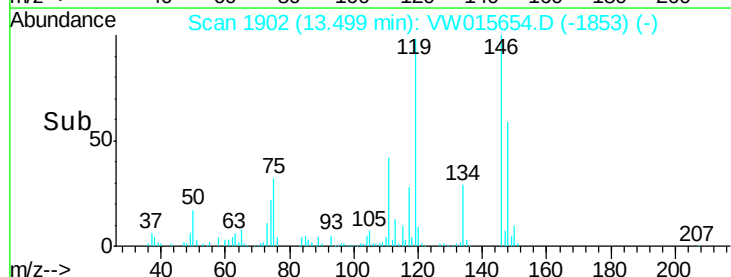
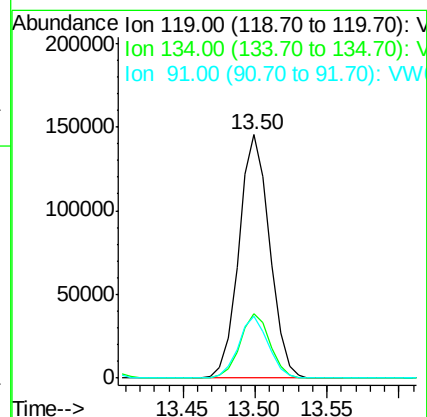
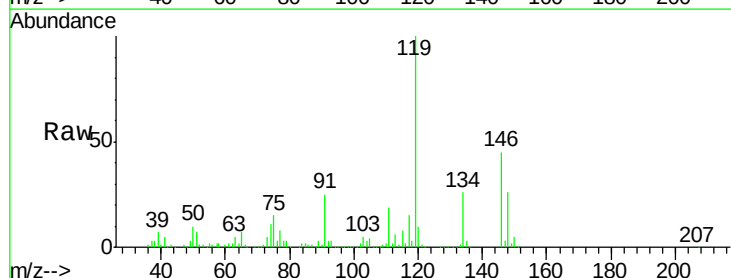
Tgt Ion:119 Resp: 215009

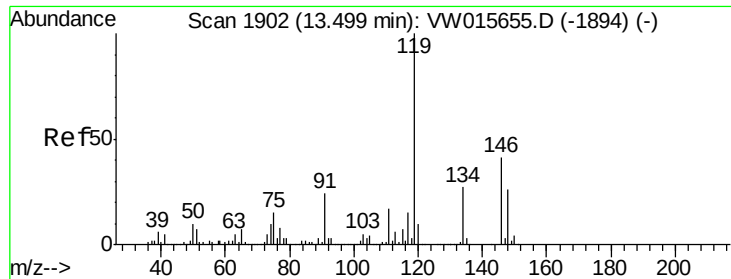
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.467 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

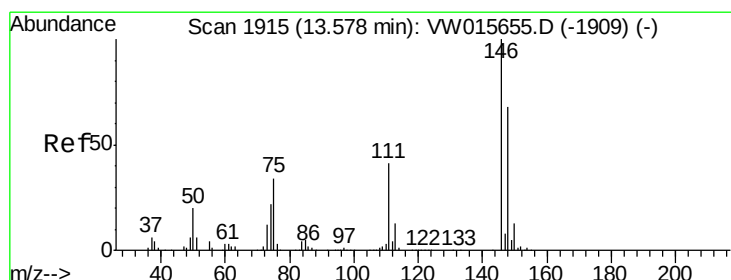
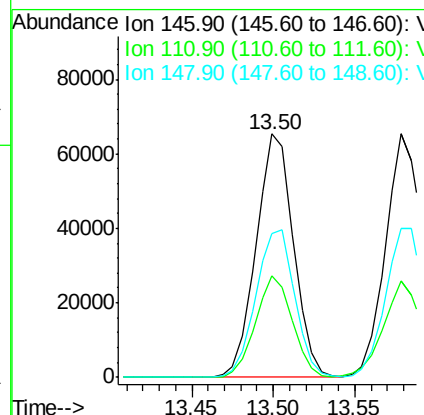
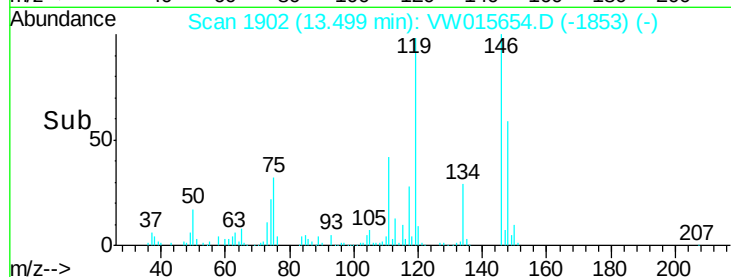
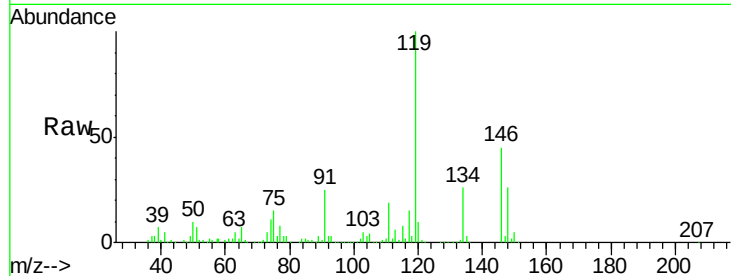
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	62.8	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 20.577 ug/l

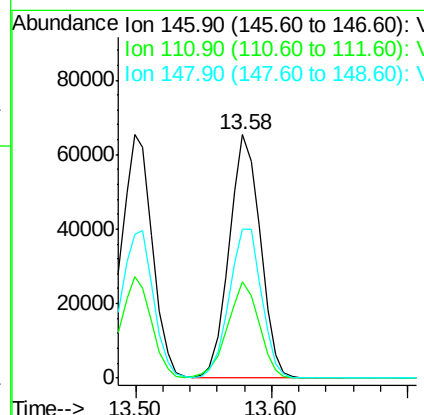
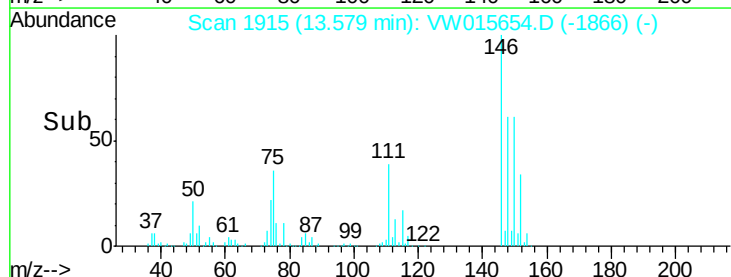
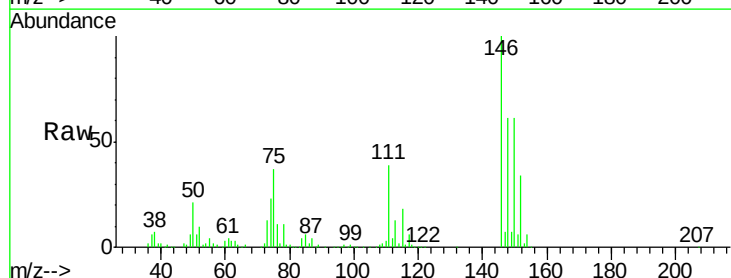
RT: 13.58 min Scan# 1915

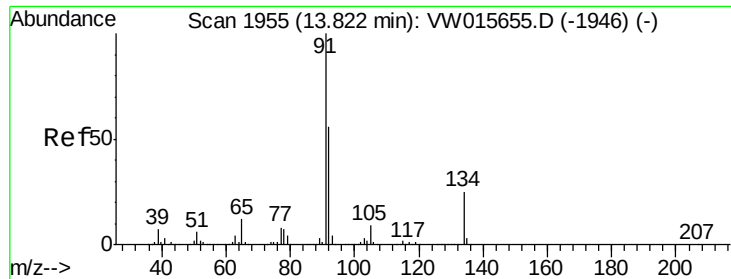
Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.9
148	64.0	33.7	101.1





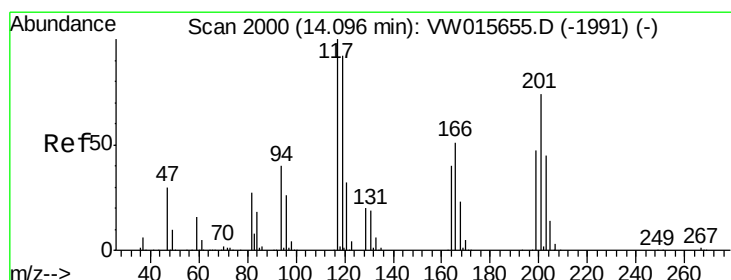
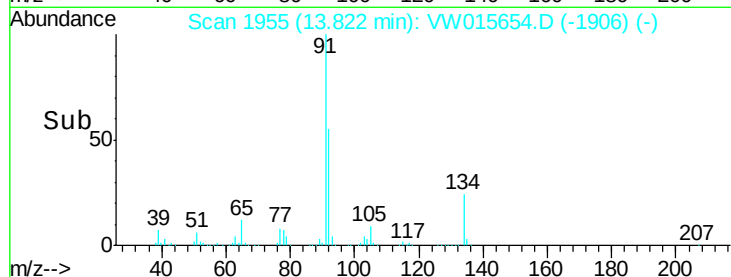
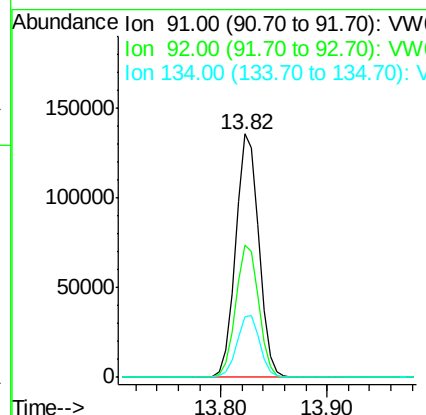
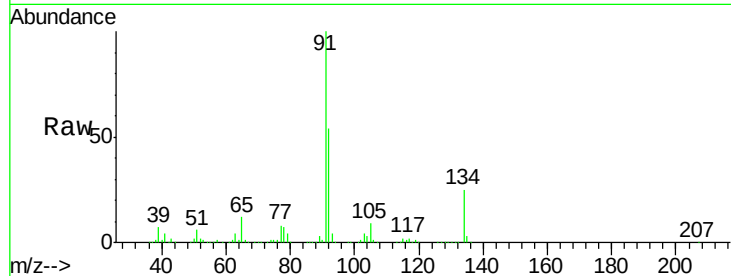
#89
n-Butylbenzene
Concen: 19.497 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207695		
92	54.1		27.5	82.4
134	25.3		13.0	38.9

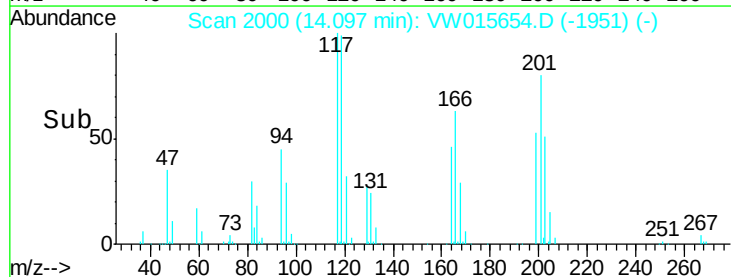
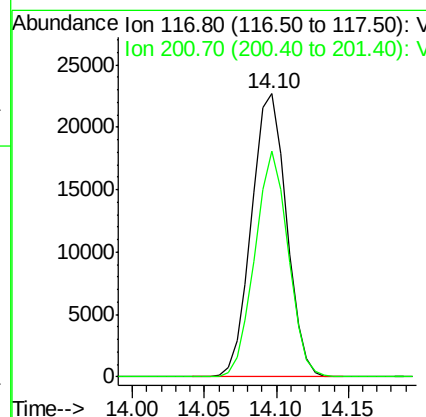
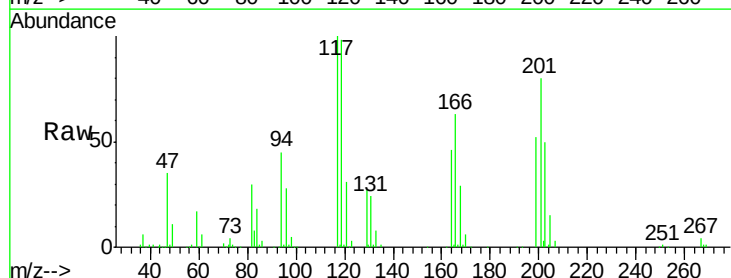
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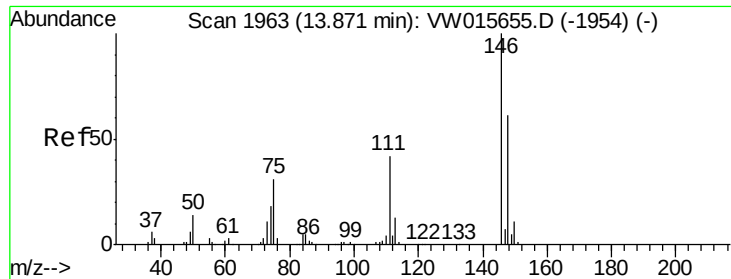
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#90
Hexachloroethane
Concen: 18.744 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37980		
201	76.0		37.1	111.5





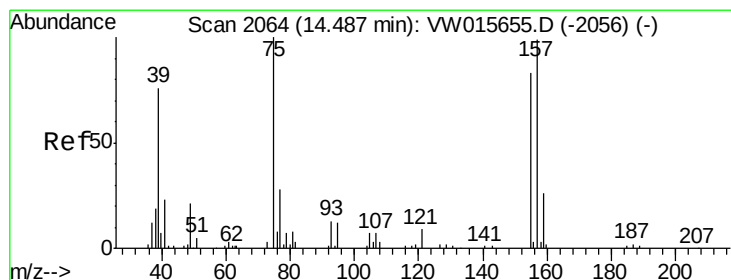
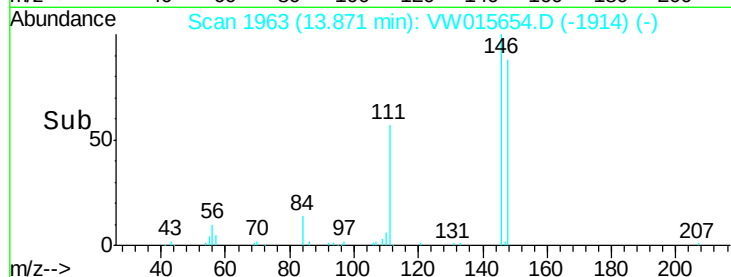
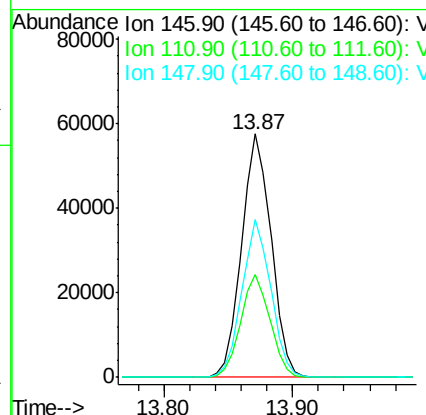
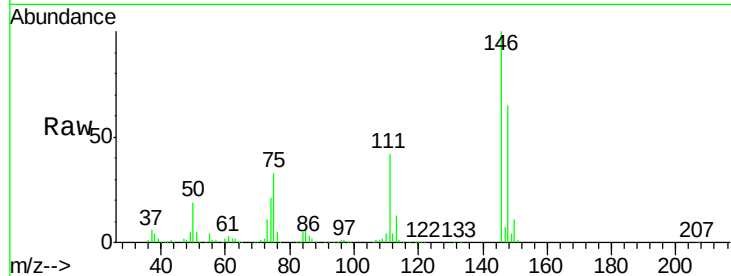
#91
 1,2-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.5	32.2	96.6

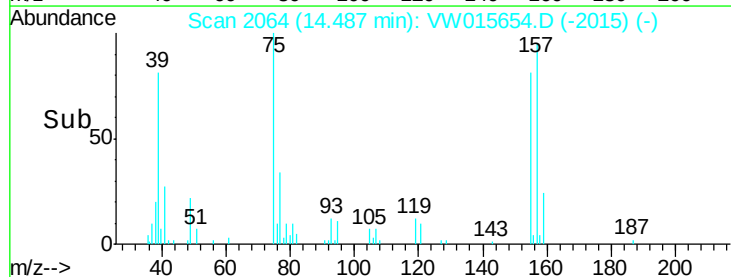
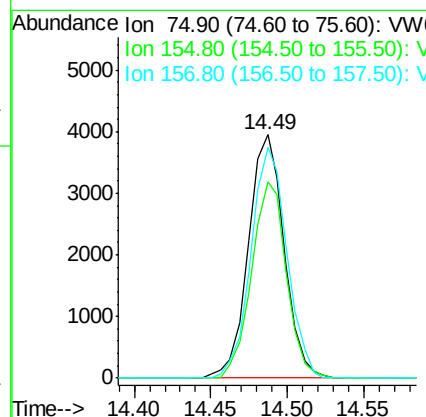
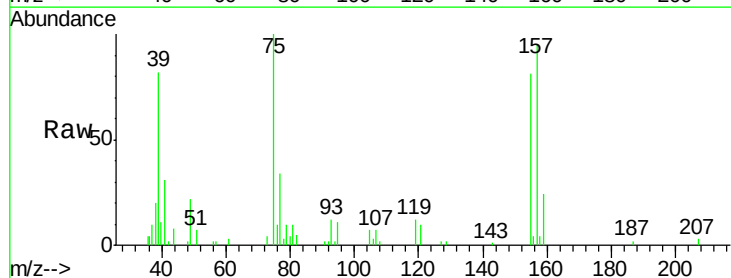
Manual Integrations
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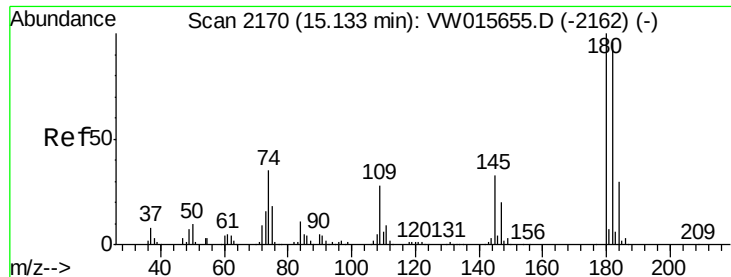
MMDadoda
 6/24/2020 10:58:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.748 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.8	122.2
157	95.6	50.7	152.1





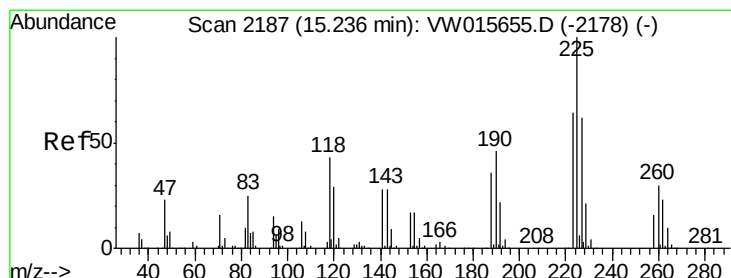
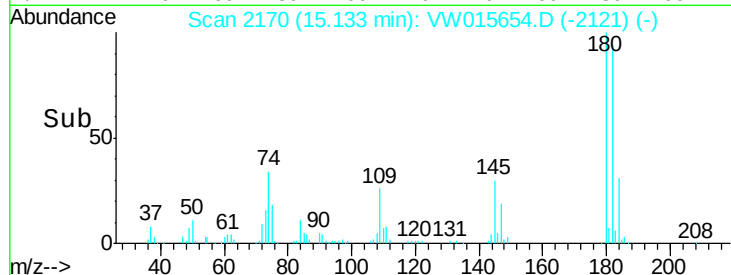
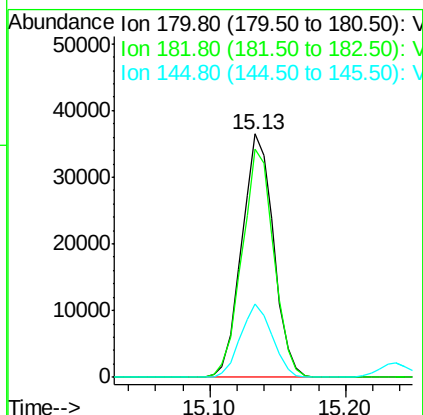
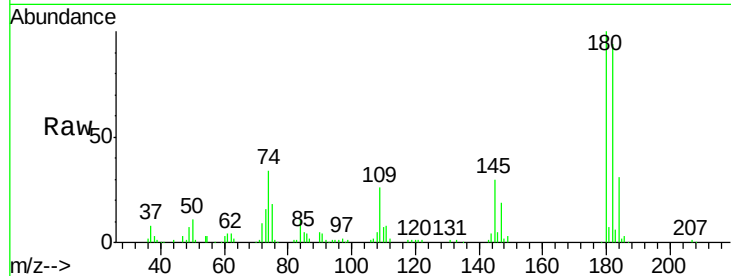
#93
 1,2,4-Trichlorobenzene
 Concen: 19.517 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.6
145	30.1	15.6	46.7

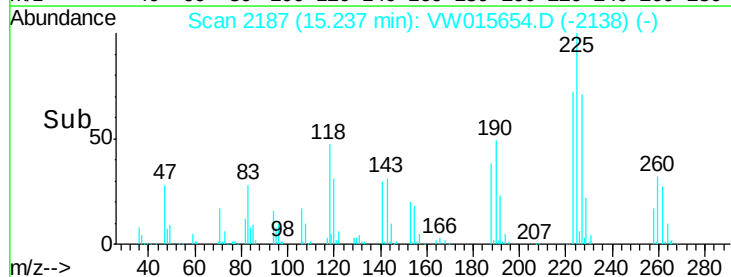
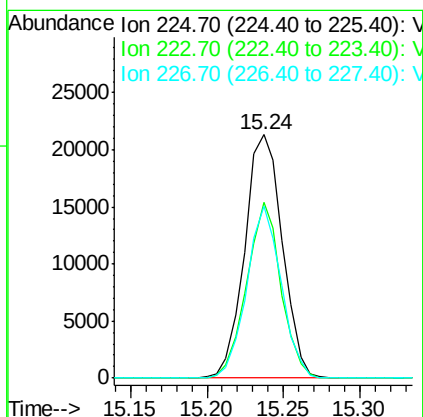
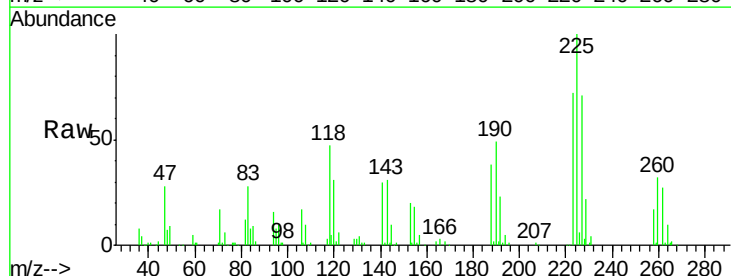
Manual Integrations
 APPROVED

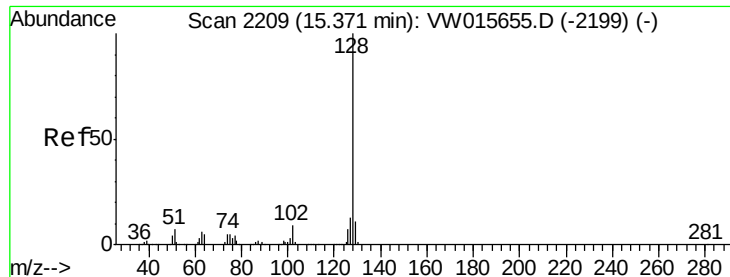
MMDadoda
 6/24/2020 10:58:12 AM



#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.0	93.0
227	64.8	31.9	95.9





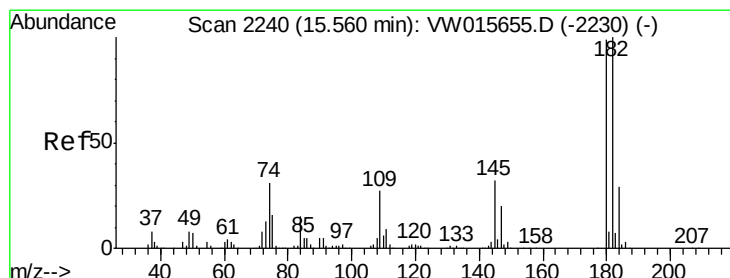
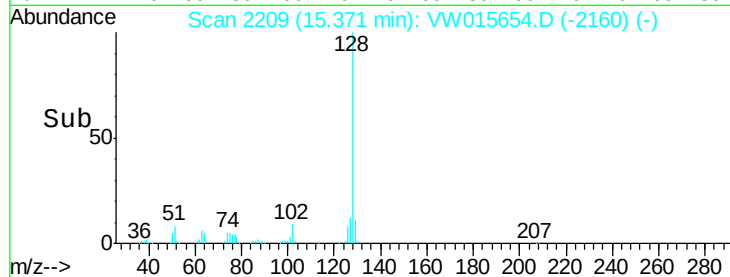
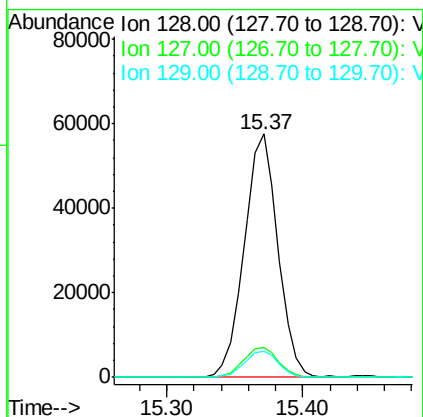
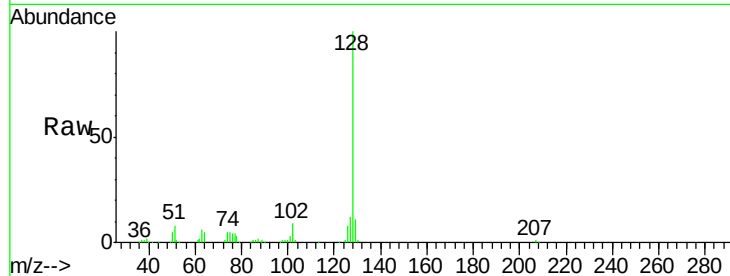
#95
Naphthalene
Concen: 19.599 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	99535		
127	12.9		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.904 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50833		
182	94.8		49.0	147.0
145	33.1		16.4	49.2

