

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055517.D
 Acq On : 10 May 2019 00:24
 Operator : JC/SP
 Sample : VN0509WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:06 PM

Quant Time: May 10 05:31:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	687834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1220357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529435	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.59	113	402146	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1552660	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	503016	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	133449	19.056	ug/l	100
3) Chloromethane	2.06	50	217654	19.131	ug/l	97
4) Vinyl Chloride	2.19	62	214745	19.996	ug/l	99
5) Bromomethane	2.55	94	123382	20.968	ug/l	97
6) Chloroethane	2.70	64	135553	21.669	ug/l	94
7) Trichlorofluoromethane	3.02	101	245212	20.813	ug/l	97
8) Diethyl Ether	3.41	74	109375	20.671	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151830	20.255	ug/l	99
10) Methyl Iodide	3.95	142	182286	17.992	ug/l	99
11) Tert butyl alcohol	4.81	59	140346	91.781	ug/l	100
12) 1,1-Dichloroethene	3.73	96	154733	20.583	ug/l	99
13) Acrolein	3.61	56	88987	87.317	ug/l	99
14) Allyl chloride	4.32	41	292480	18.993	ug/l	98
15) Acrylonitrile	5.00	53	459984	97.146	ug/l	99
16) Acetone	3.82	43	374395	78.074	ug/l	96
17) Carbon Disulfide	4.05	76	404120	19.696	ug/l	99
18) Methyl Acetate	4.33	43	197338	18.923	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	508088	20.340	ug/l	95
20) Methylene Chloride	4.55	84	192041	19.585	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	167396	20.538	ug/l	93
22) Diisopropyl ether	5.96	45	634917	20.289	ug/l	94
23) Vinyl Acetate	5.90	43	2385676	98.577	ug/l	100
24) 1,1-Dichloroethane	5.85	63	350590	20.754	ug/l	99
25) 2-Butanone	6.84	43	600451	90.645	ug/l	98
26) 2,2-Dichloropropane	6.82	77	180976	17.185	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	197535	20.970	ug/l	98
28) Bromochloromethane	7.20	49	193016	22.002	ug/l	97
29) Tetrahydrofuran	7.22	42	414619	94.680	ug/l	98
30) Chloroform	7.37	83	323811	20.735	ug/l	98
31) Cyclohexane	7.65	56	324368	19.407	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246080	20.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	236696	19.688	ug/l	98
37) Ethyl Acetate	6.93	43	246275	18.779	ug/l	99
38) Carbon Tetrachloride	7.77	117	198552	19.613	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276235	18.844	ug/l	100
40) Benzene	8.04	78	763425	20.460	ug/l	98
41) Methacrylonitrile	7.18	41	120817m	19.848	ug/l	
42) 1,2-Dichloroethane	8.13	62	258032	19.683	ug/l	100
43) Isopropyl Acetate	8.17	43	374995	18.821	ug/l #	88
44) Trichloroethene	8.83	130	179859	20.258	ug/l	98
45) 1,2-Dichloropropane	9.12	63	211061	19.769	ug/l	97
46) Dibromomethane	9.21	93	124288	20.084	ug/l	97
47) Bromodichloromethane	9.40	83	237753	20.083	ug/l	100
48) Methyl methacrylate	9.20	41	176383	18.374	ug/l	97
49) 1,4-Dioxane	9.20	88	67431	360.398	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1196970	91.344	ug/l	99
52) Toluene	10.16	92	441562	20.700	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	216738	19.062	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	269801	19.858	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173573	20.083	ug/l	98
56) Ethyl methacrylate	10.43	69	244330	19.005	ug/l	98
57) 1,3-Dichloropropane	10.71	76	311360	20.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	295324	77.337	ug/l	99
59) 2-Hexanone	10.75	43	810320	88.176	ug/l	100
60) Dibromochloromethane	10.90	129	158207	20.133	ug/l	99
61) 1,2-Dibromoethane	11.00	107	164876	19.854	ug/l	99
64) Tetrachloroethene	10.63	164	180363	20.818	ug/l	98
65) Chlorobenzene	11.43	112	437527	20.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156298	20.871	ug/l	98
67) Ethyl Benzene	11.51	91	793121	19.413	ug/l	99
68) m/p-Xylenes	11.62	106	583918	39.825	ug/l	99
69) o-Xylene	11.95	106	290092	20.130	ug/l	99
70) Styrene	11.96	104	470441	20.376	ug/l	99
71) Bromoform	12.13	173	102364	20.256	ug/l #	100
73) Isopropylbenzene	12.25	105	755054	21.151	ug/l	100
74) N-amyl acetate	12.07	43	275866	17.930	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239732	20.629	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	208885m	18.934	ug/l	
77) Bromobenzene	12.53	156	174253	19.511	ug/l	96
78) n-propylbenzene	12.59	91	832518	19.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	515331	19.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	633767	19.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51296	17.157	ug/l	96
82) 4-Chlorotoluene	12.77	91	489568	19.127	ug/l	99
83) tert-Butylbenzene	12.99	119	535589	19.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	582837	19.609	ug/l	100
85) sec-Butylbenzene	13.17	105	699832	18.956	ug/l	99
86) p-Isopropyltoluene	13.29	119	564922	18.801	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271905	19.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	264432	19.416	ug/l	99
89) n-Butylbenzene	13.61	91	402262	17.272	ug/l	100
90) Hexachloroethane	13.87	117	93710	19.119	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	274387	19.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33194	17.813	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0509WBS02

Manual Integrations
APPROVED

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Quant Time: May 10 05:31:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81903	15.969	ug/l	98
94) Hexachlorobutadiene	15.01	225	88922	20.408	ug/l	98
95) Naphthalene	15.13	128	221967	15.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	94168	16.202	ug/l	98

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

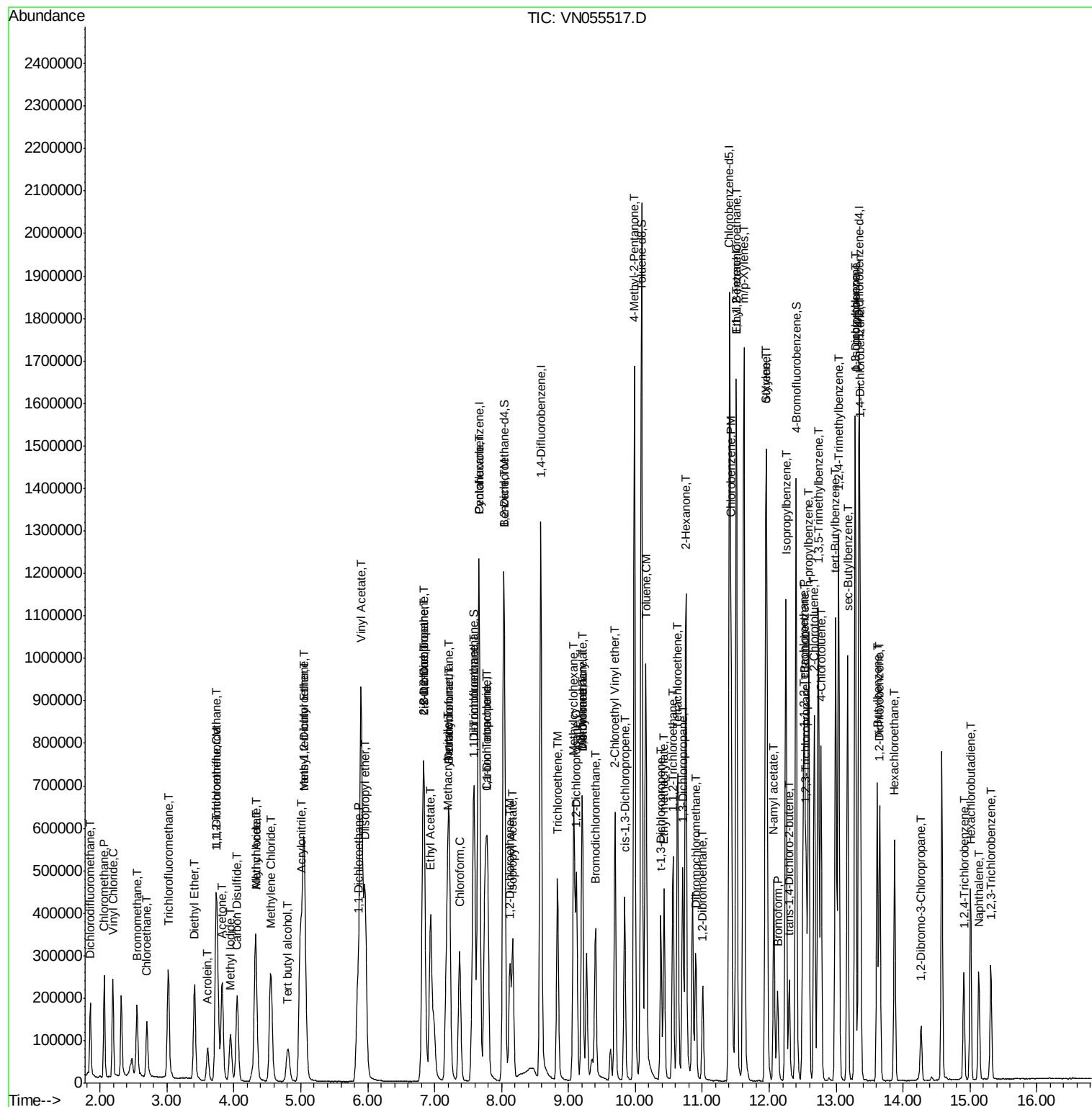
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055517.D
 Acq On : 10 May 2019 00:24
 Operator : JC/SP
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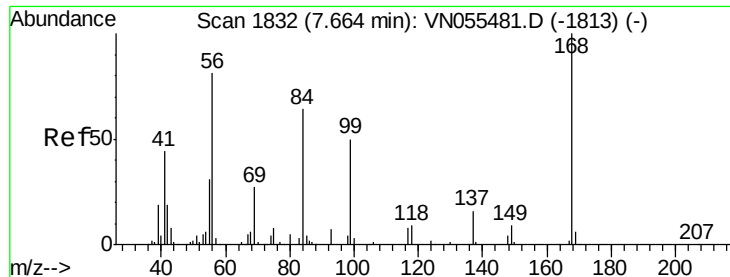
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion:168 Resp: 687834

Ion Ratio Lower Upper

168 100

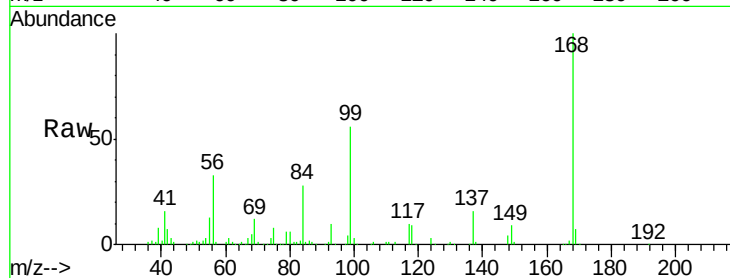
99 55.3 47.0 70.4

Manual Integrations

APPROVED

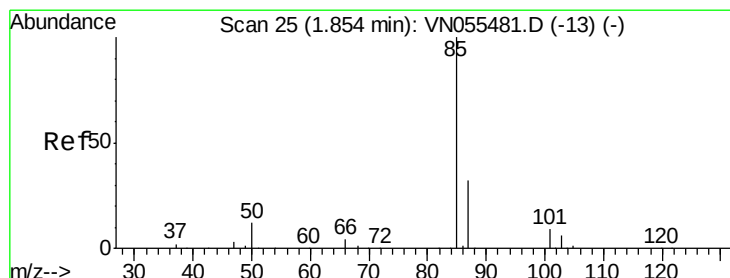
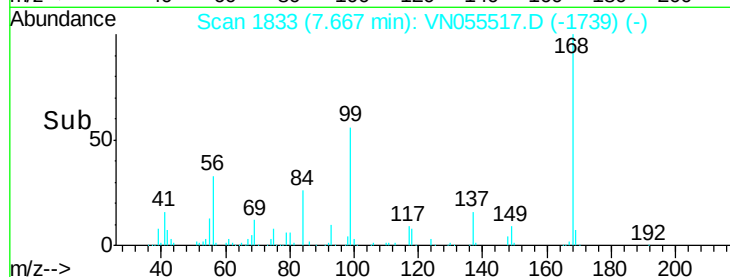
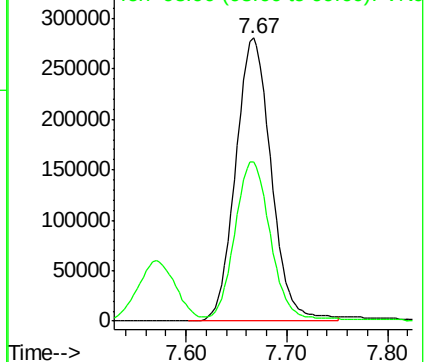
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5/10/2019 12:44:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.056 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055517.D

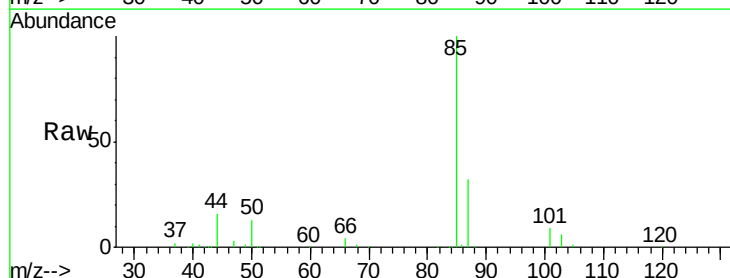
Acq: 10 May 2019 00:24

Tgt Ion: 85 Resp: 133449

Ion Ratio Lower Upper

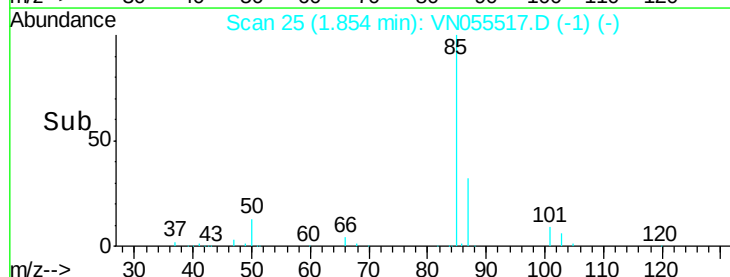
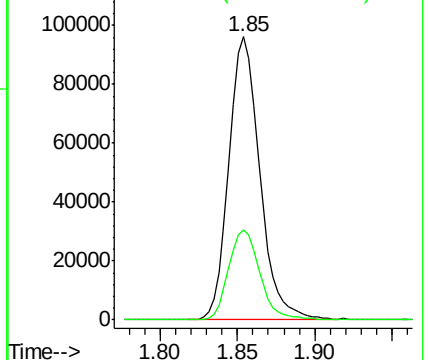
85 100

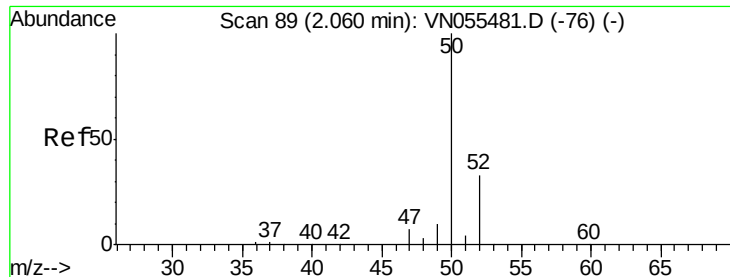
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.131 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 50 Resp: 217654

Ion Ratio Lower Upper

50 100

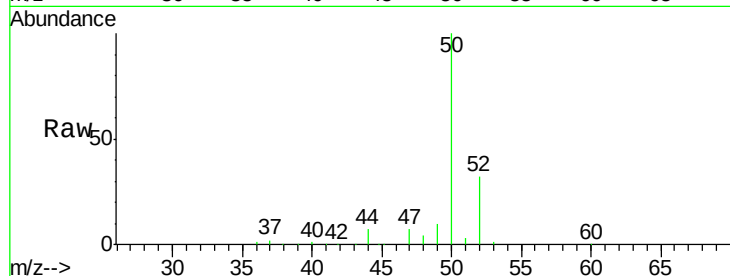
52 31.6 26.6 39.8

Manual Integrations

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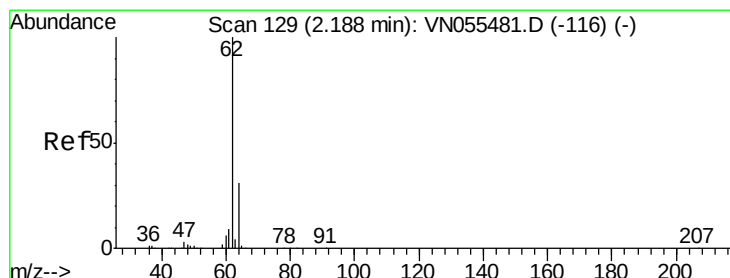
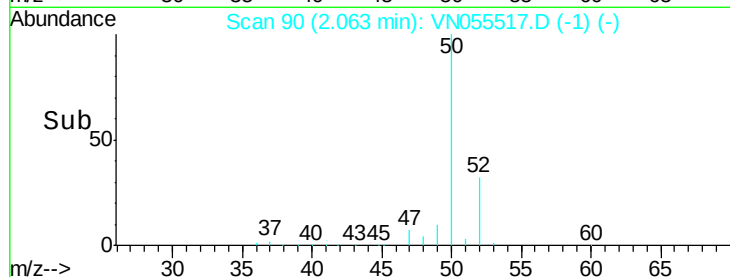
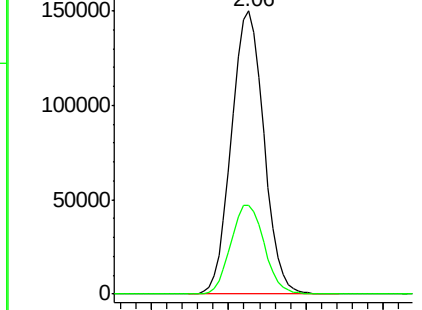
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.996 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055517.D

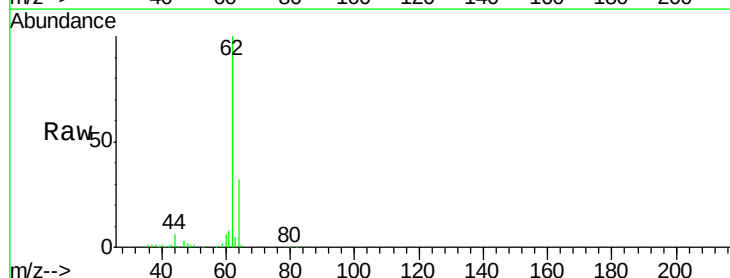
Acq: 10 May 2019 00:24

Tgt Ion: 62 Resp: 214745

Ion Ratio Lower Upper

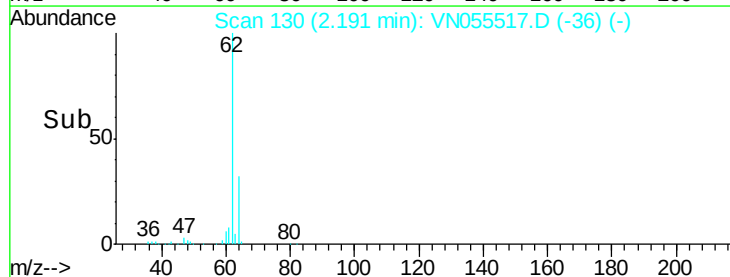
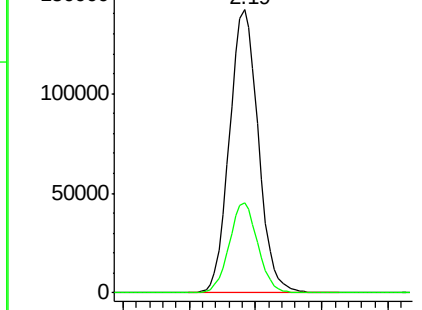
62 100

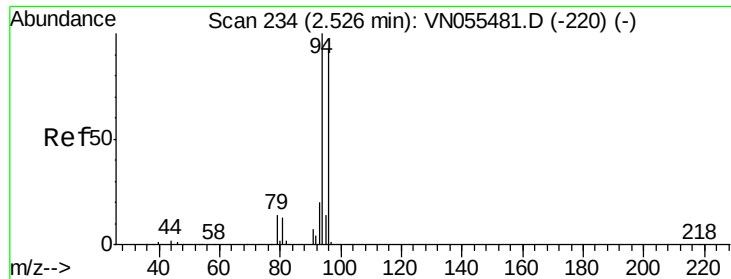
64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.968 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 94 Resp: 123382

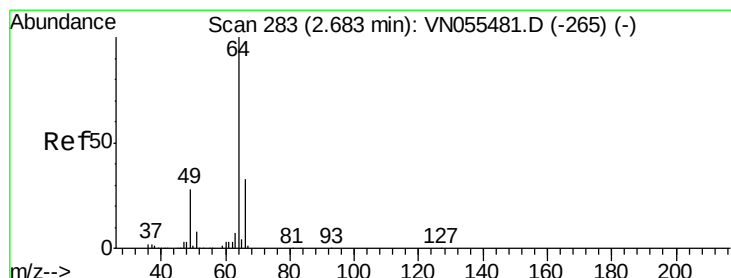
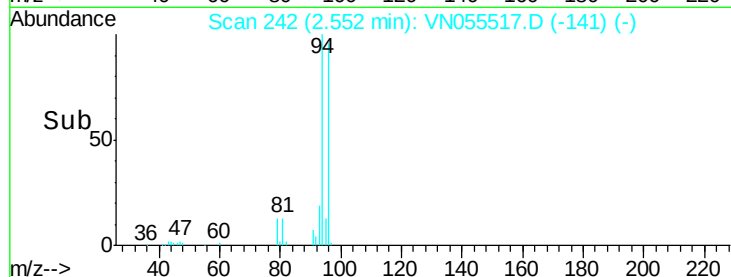
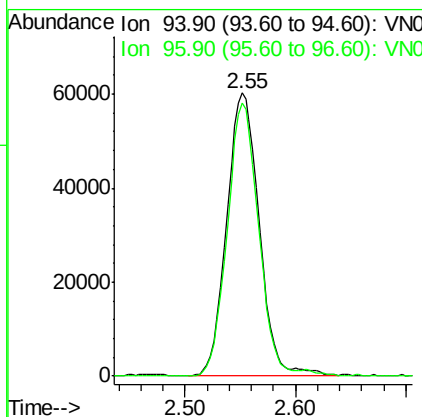
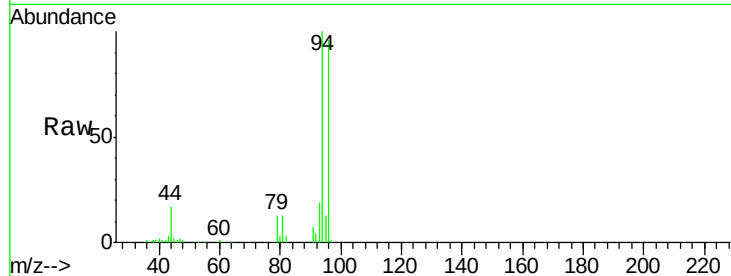
Ion Ratio Lower Upper

94 100

96 96.3 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 21.669 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055517.D

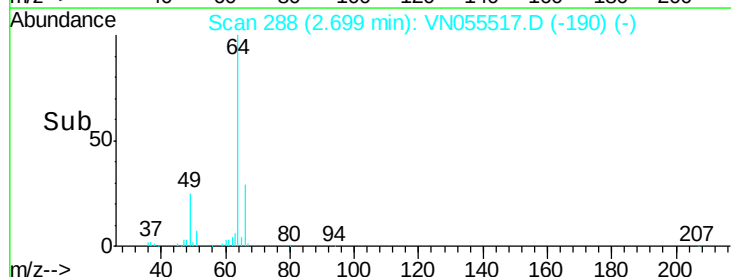
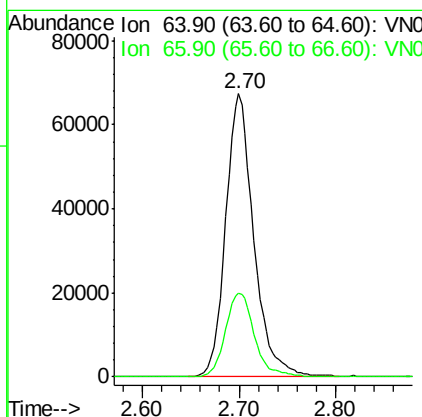
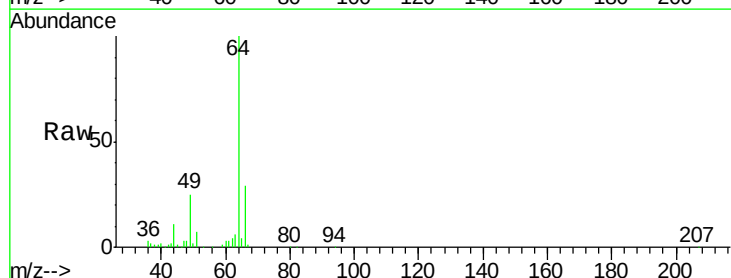
Acq: 10 May 2019 00:24

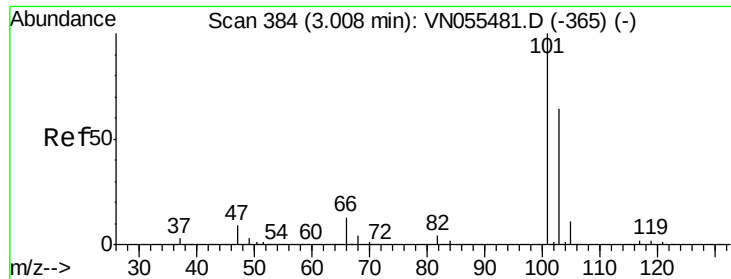
Tgt Ion: 64 Resp: 135553

Ion Ratio Lower Upper

64 100

66 29.4 26.2 39.2





#7

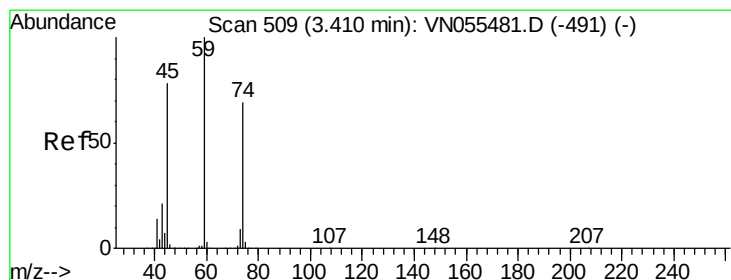
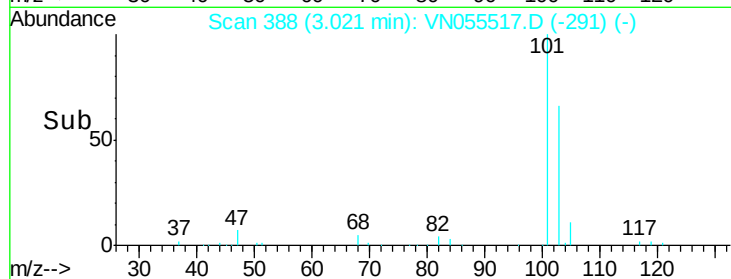
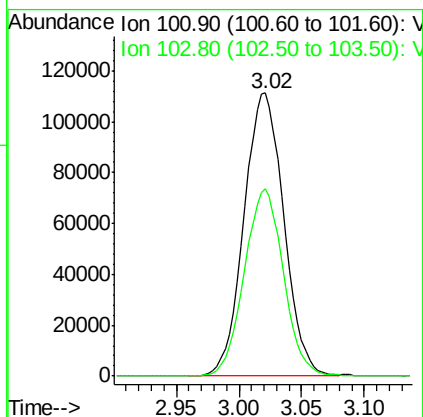
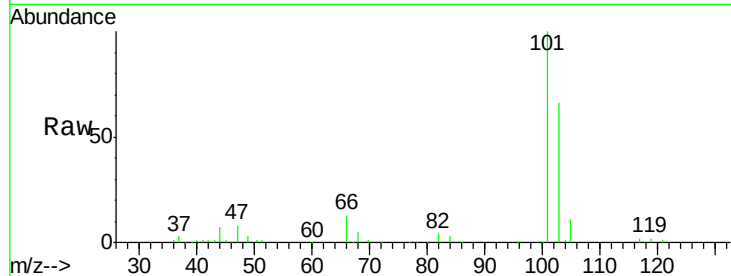
Trichlorofluoromethane
Concen: 20.813 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion:101 Resp: 245212
Ion Ratio Lower Upper
101 100
103 66.1 51.2 76.8

Manual Integrations
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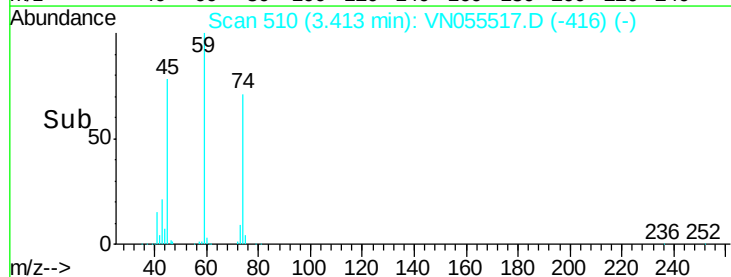
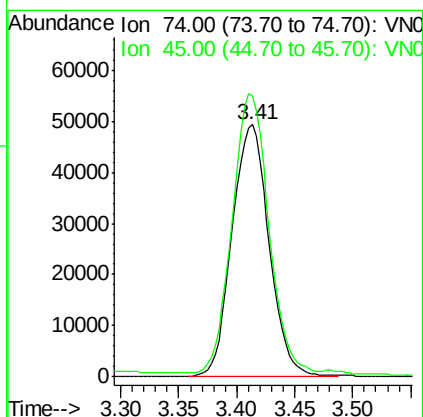
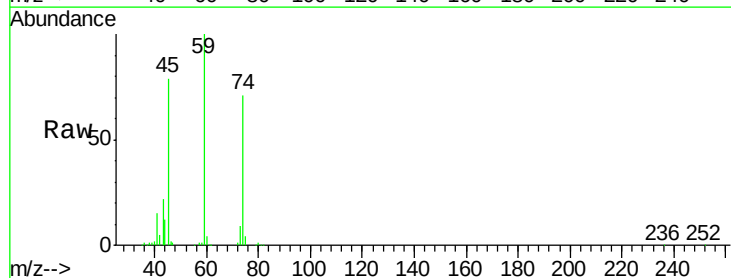
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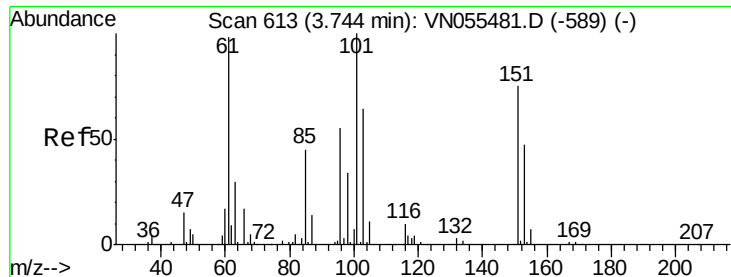


#8

Diethyl Ether
Concen: 20.671 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 74 Resp: 109375
Ion Ratio Lower Upper
74 100
45 108.7 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.255 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

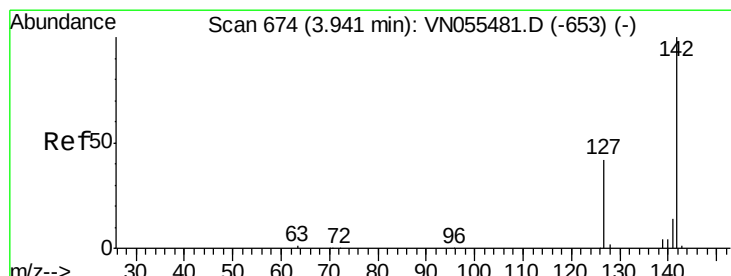
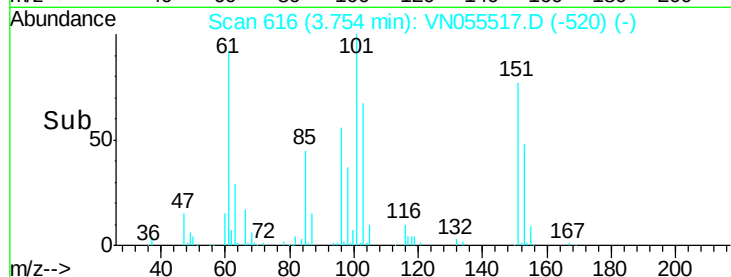
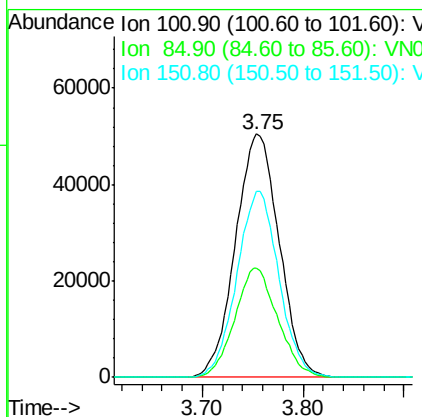
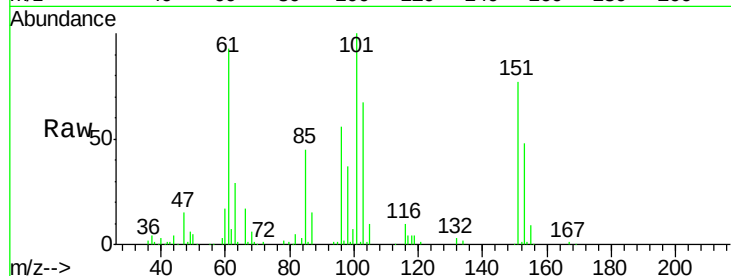
ClientSampleId :

VN0509WBS02

Tot Ion:	101	Resp:	151830
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.5	53.3
151	73.3	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.992 ug/l

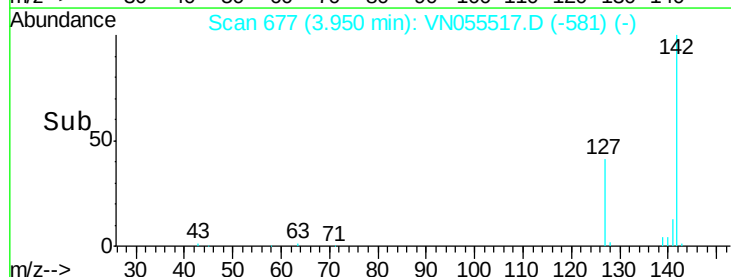
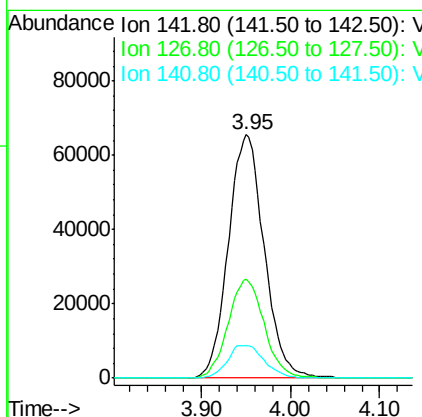
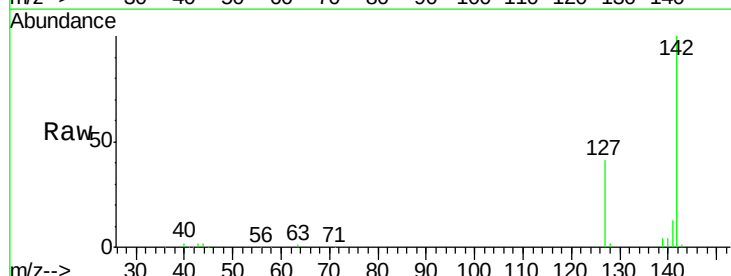
RT: 3.95 min Scan# 677

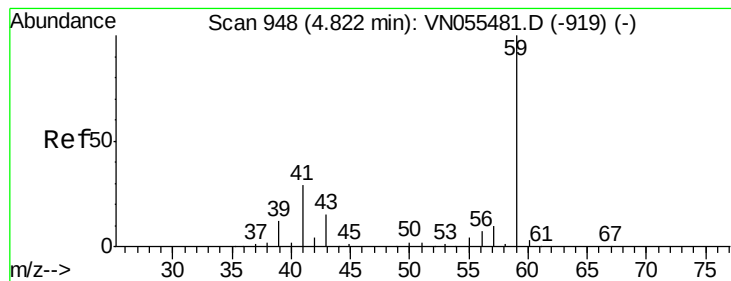
Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	142	Resp:	182286
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.0	49.4
141	14.0	11.4	17.0





#11

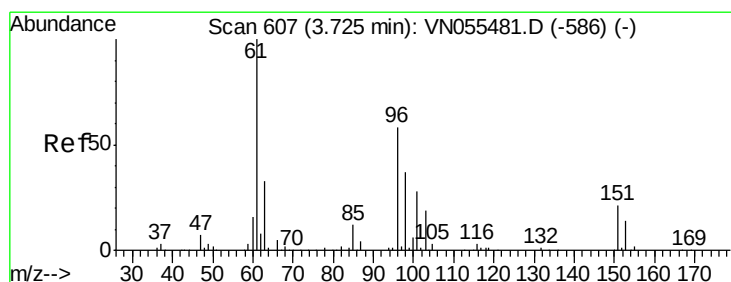
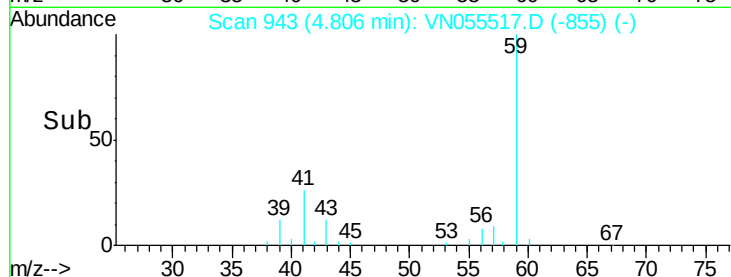
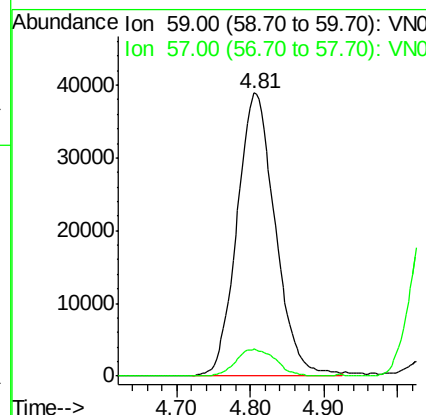
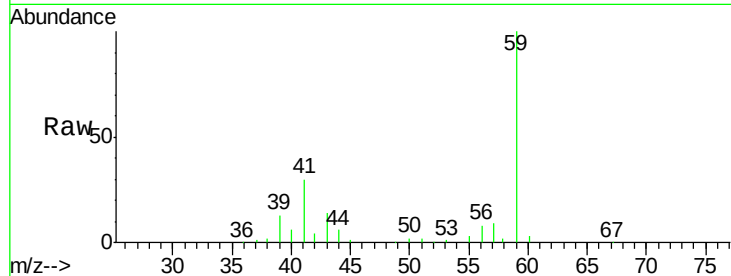
Tert butyl alcohol
 Concen: 91.781 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion	59	57	Ratio	100	9.9	Resp	Lower	Upper
140346								

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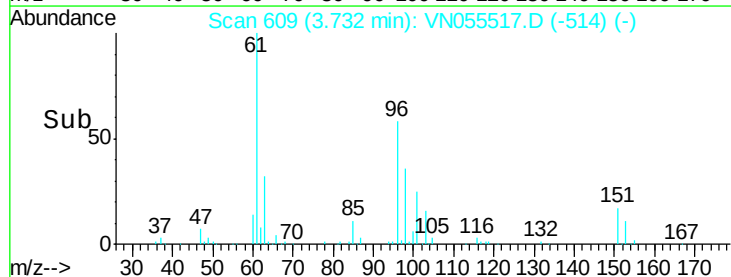
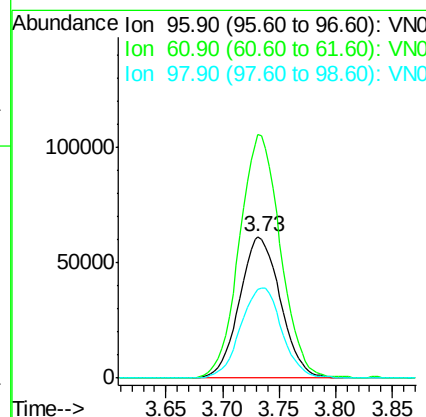
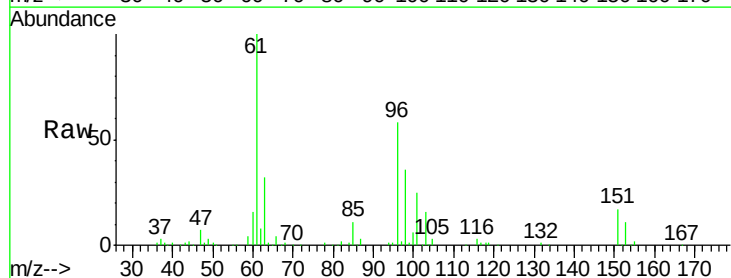
MMDadoda
 5/10/2019 12:44:06 PM

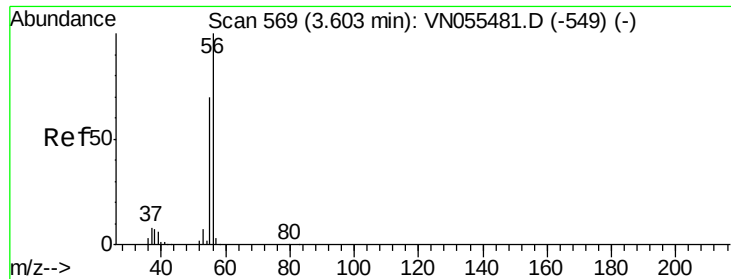


#12

1,1-Dichloroethene
 Concen: 20.583 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	96	61	98	Ratio	100	172.3	62.7	Resp	Lower	Upper
154733										





#13

Acrolein

Concen: 87.317 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 56 Resp: 88987

Ion Ratio Lower Upper

56 100

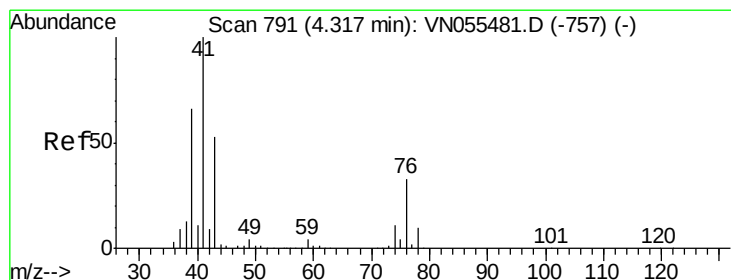
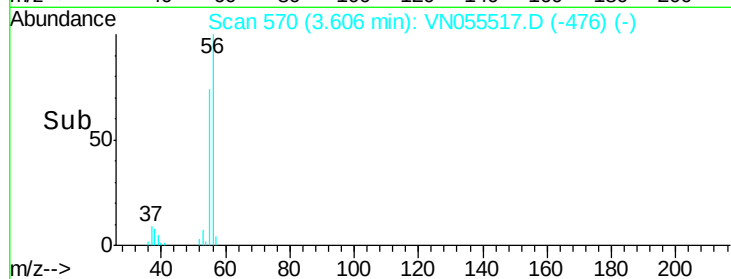
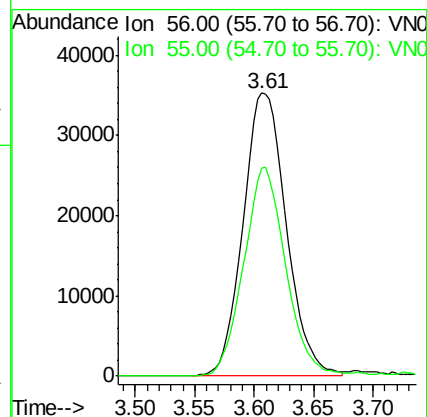
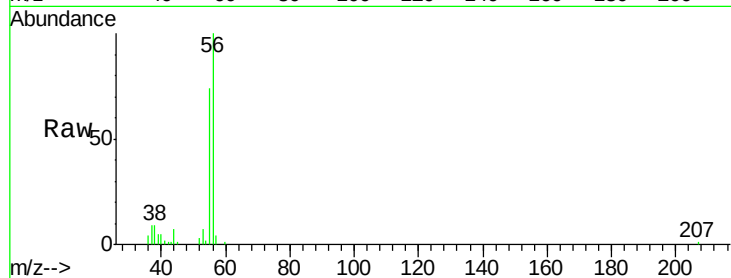
55 71.4 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.993 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

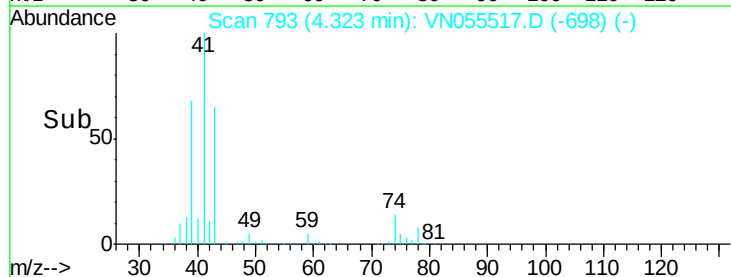
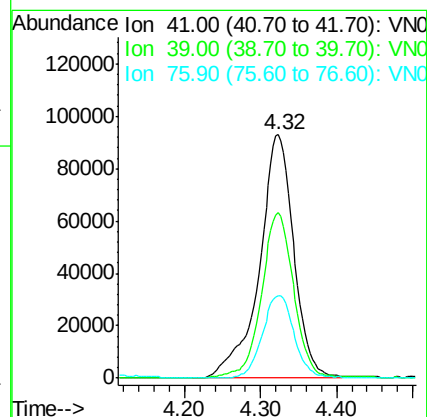
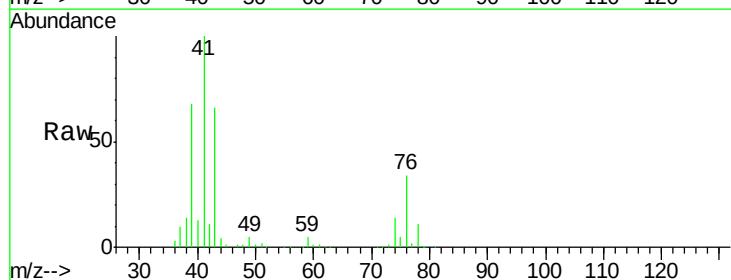
Tgt Ion: 41 Resp: 292480

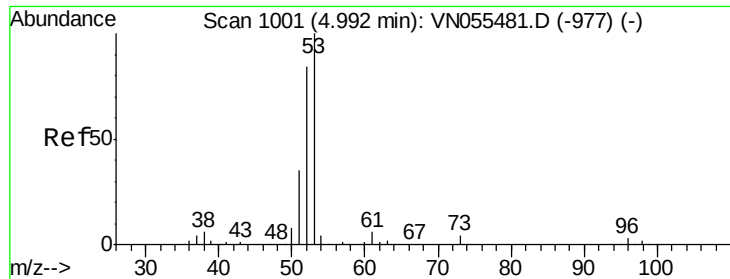
Ion Ratio Lower Upper

41 100

39 63.7 49.8 74.8

76 31.1 23.5 35.3





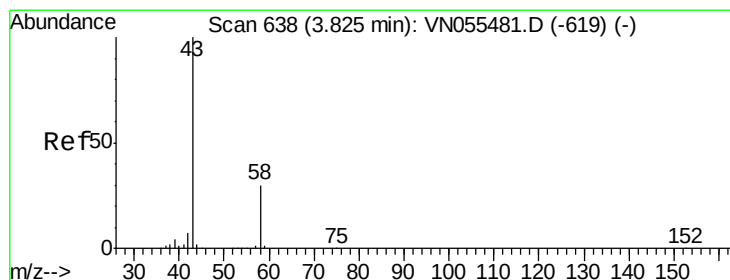
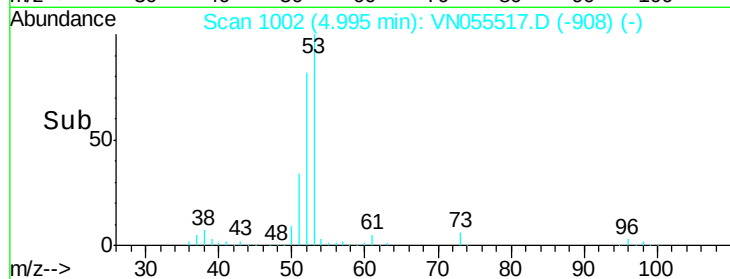
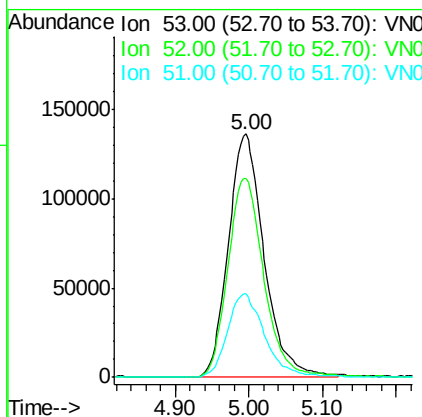
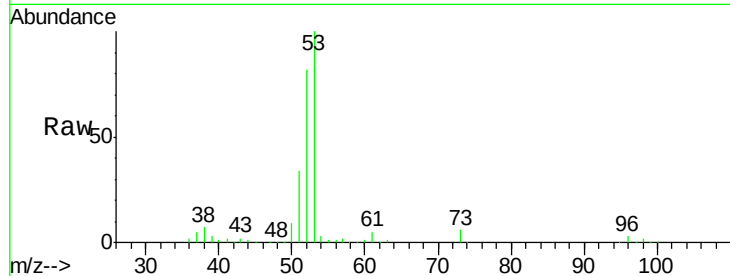
#15
 Acrylonitrile
 Concen: 97.146 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	35.7	28.3	42.5

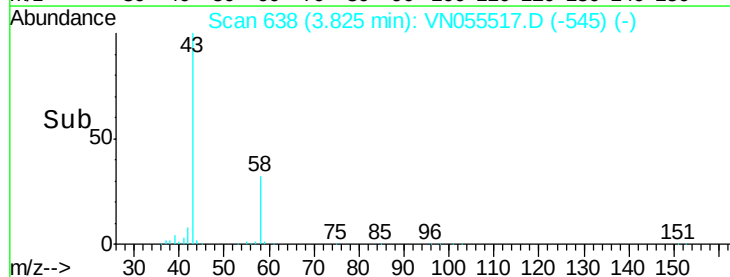
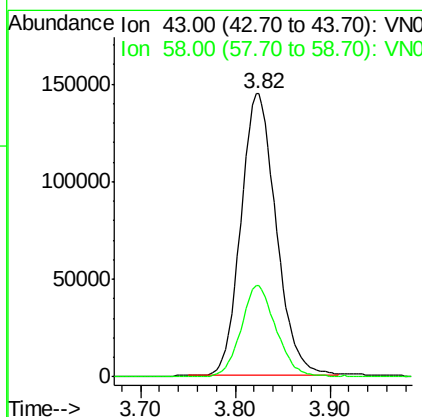
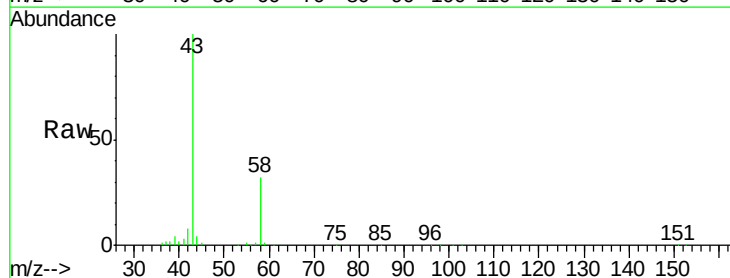
Manual Integrations
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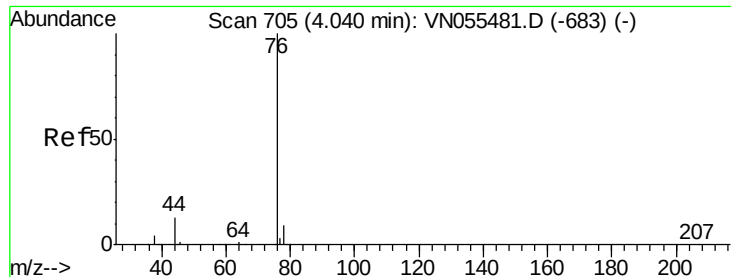
MMDadoda
 5/10/2019 12:44:06 PM



#16
 Acetone
 Concen: 78.074 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.2





#17

Carbon Disulfide

Concen: 19.696 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 76 Resp: 404120

Ion Ratio Lower Upper

76 100

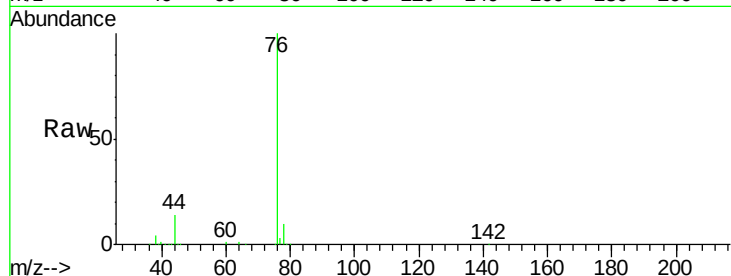
78 9.7 7.4 11.0

Manual Integrations

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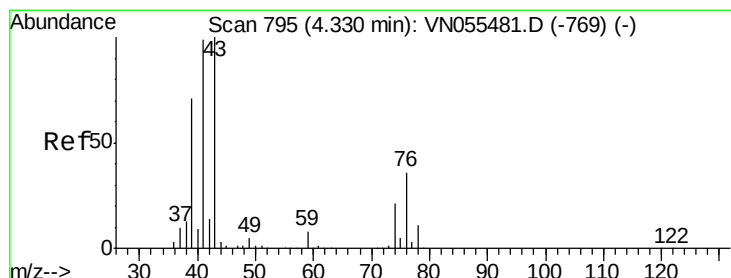
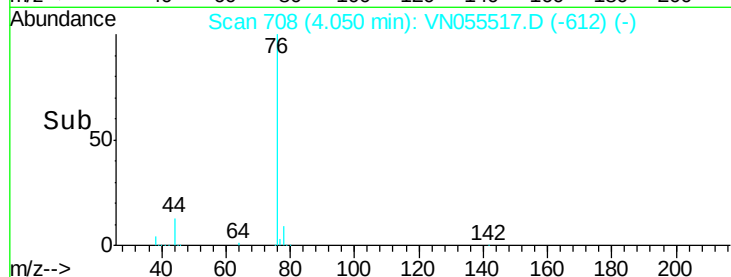
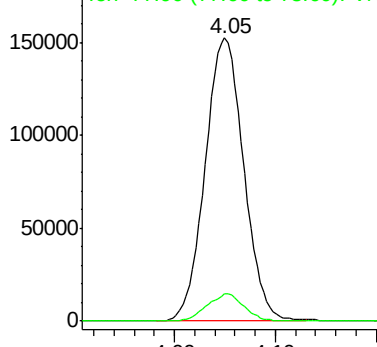
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 18.923 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055517.D

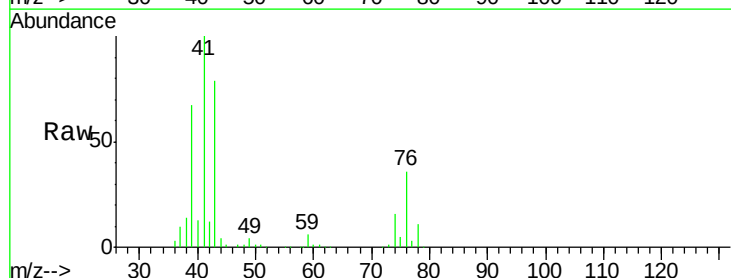
Acq: 10 May 2019 00:24

Tgt Ion: 43 Resp: 197338

Ion Ratio Lower Upper

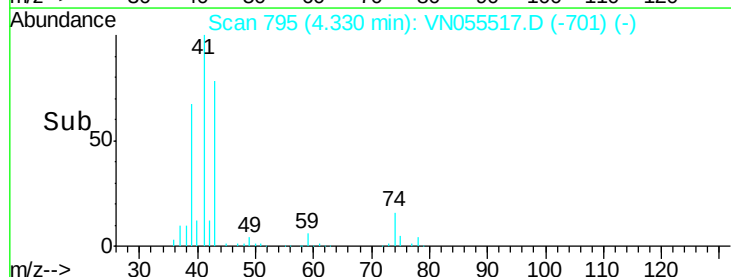
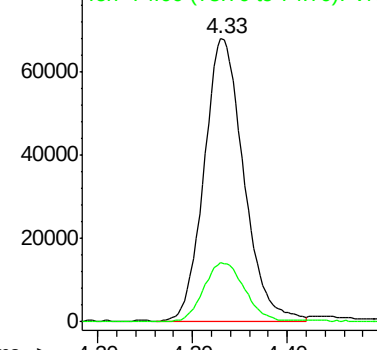
43 100

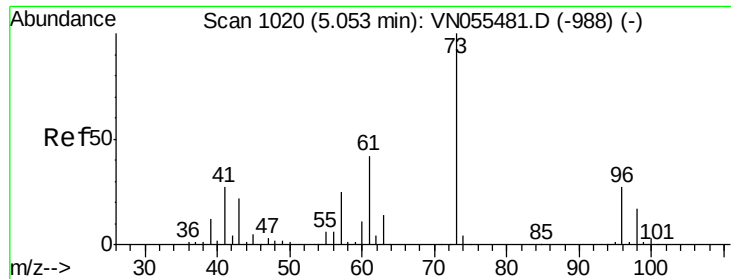
74 21.7 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





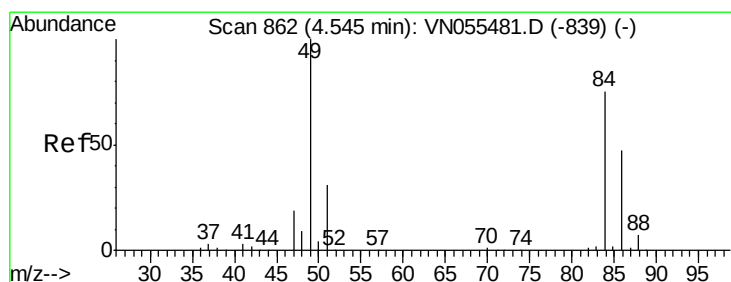
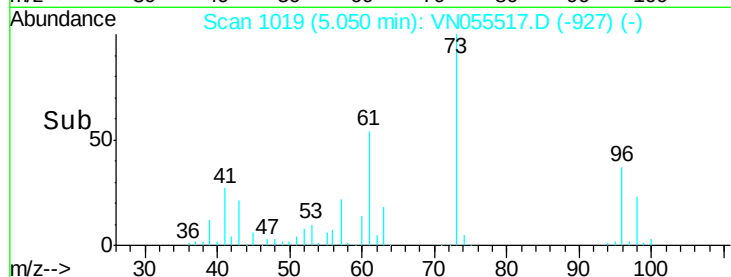
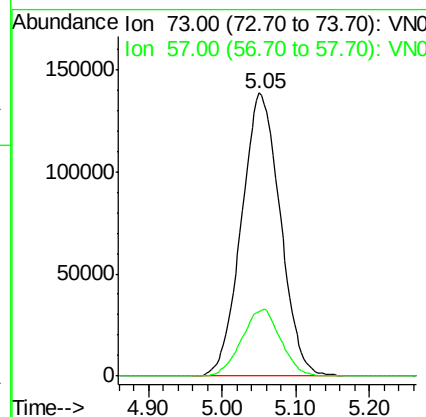
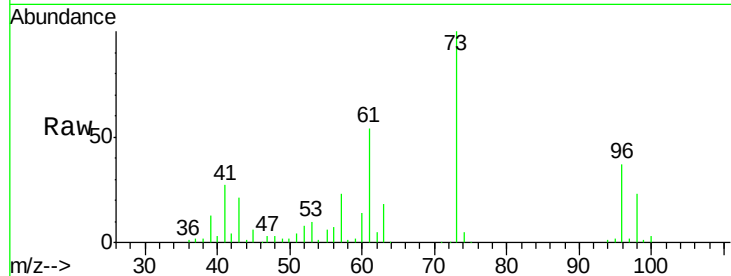
#19
Methyl tert-butyl Ether
Concen: 20.340 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion: 73 Resp: 508088
Ion Ratio Lower Upper
73 100
57 22.7 20.0 30.0

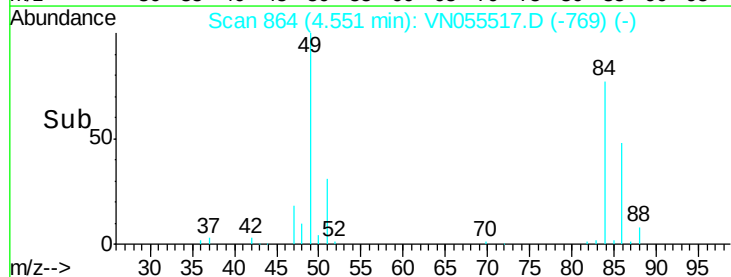
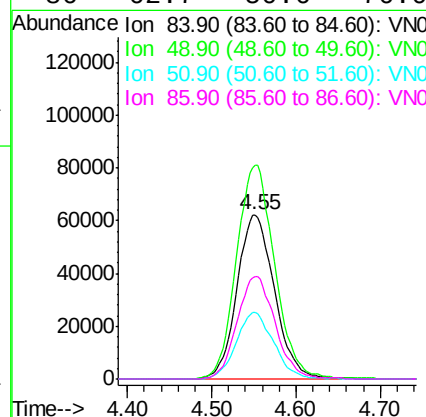
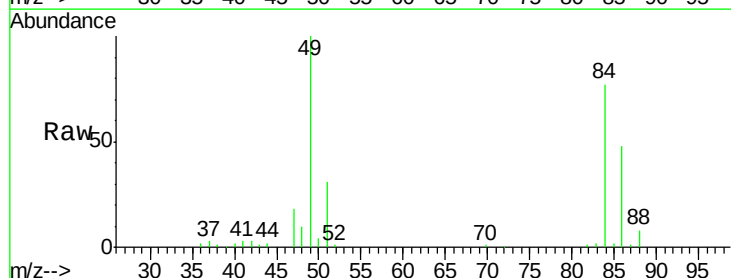
Manual Integrations
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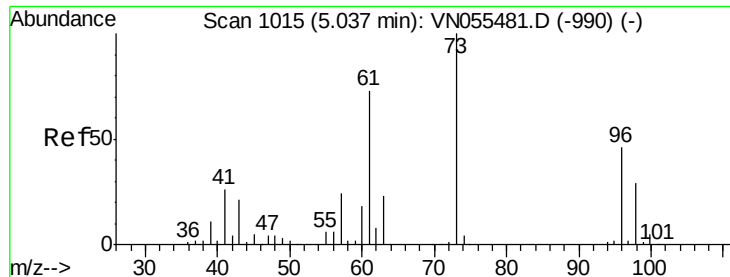
MMDadoda
5/10/2019 12:44:06 PM



#20
Methylene Chloride
Concen: 19.585 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 84 Resp: 192041
Ion Ratio Lower Upper
84 100
49 130.1 107.0 160.6
51 40.4 33.0 49.4
86 62.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.538 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN055517.D

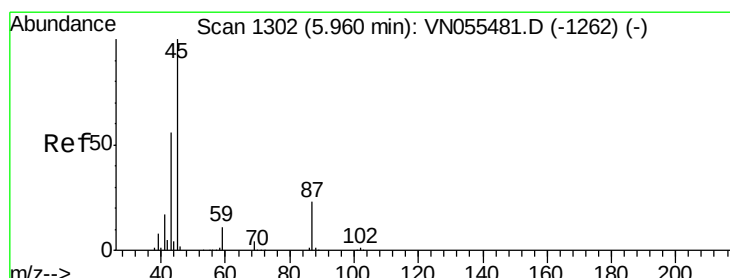
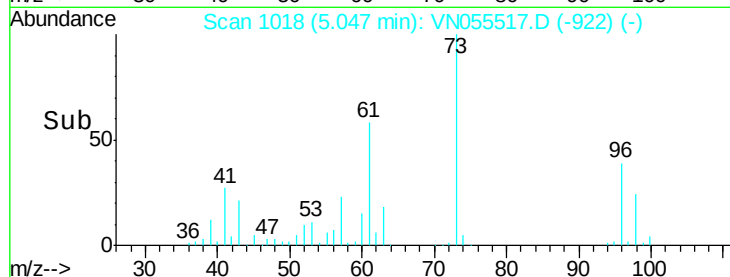
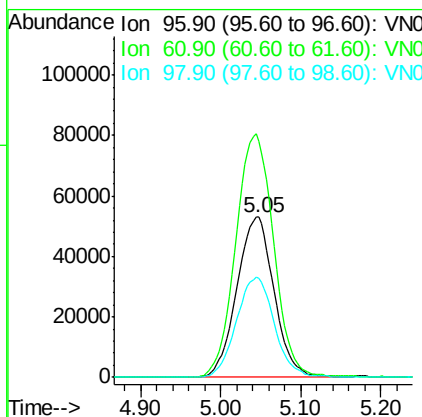
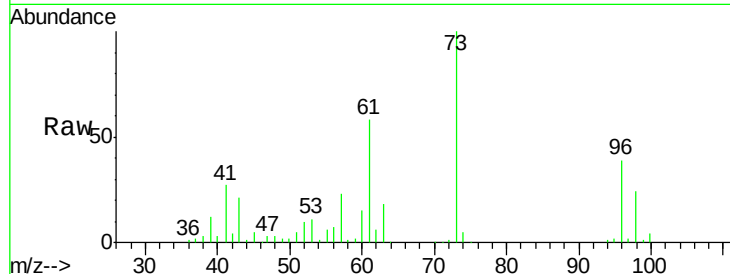
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	127.4	191.0
98	61.6	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
5/10/2019 12:44:06 PM



#22

Diisopropyl ether

Concen: 20.289 ug/l

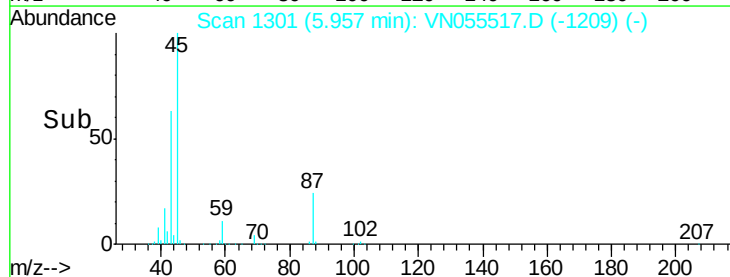
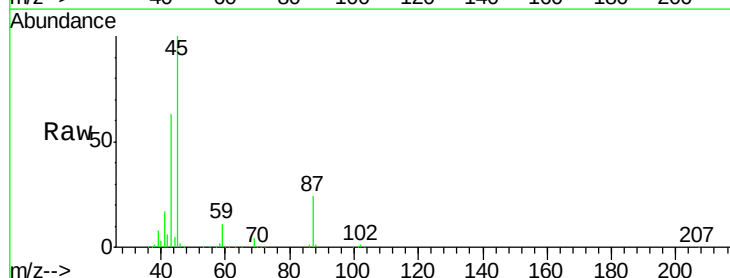
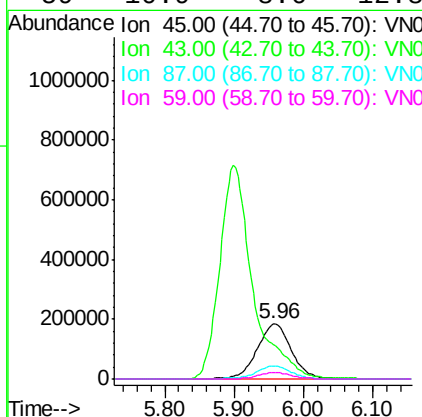
RT: 5.96 min Scan# 1301

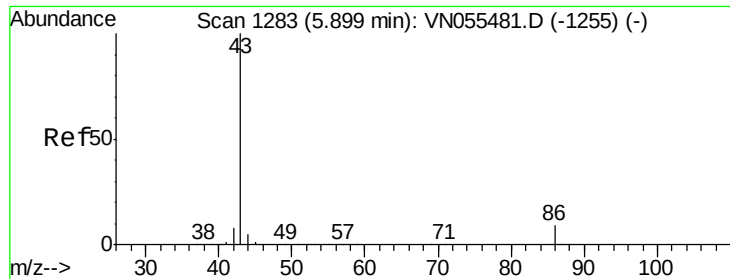
Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	44.6	66.8
87	23.9	18.6	28.0
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 98.577 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 43 Resp: 2385676

Ion Ratio Lower Upper

43 100

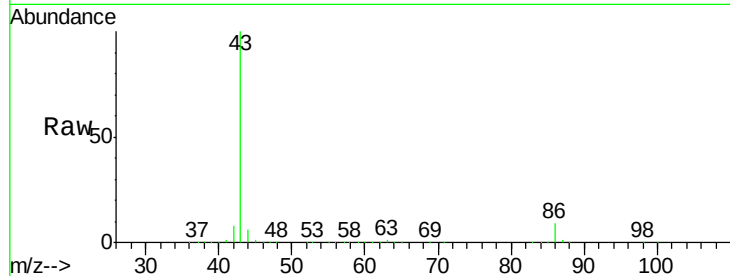
86 8.7 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

5/10/2019 12:44:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

600000

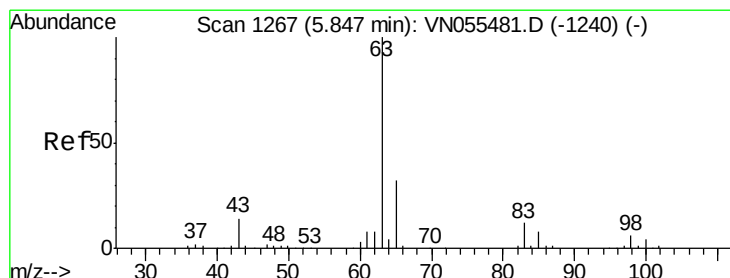
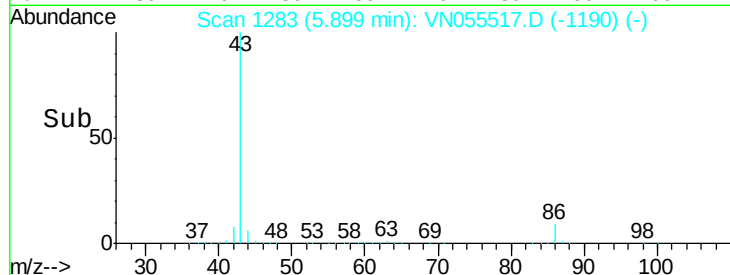
400000

200000

0

5.80 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 20.754 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

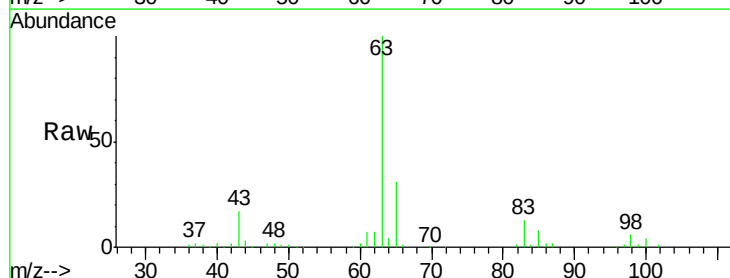
Tgt Ion: 63 Resp: 350590

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

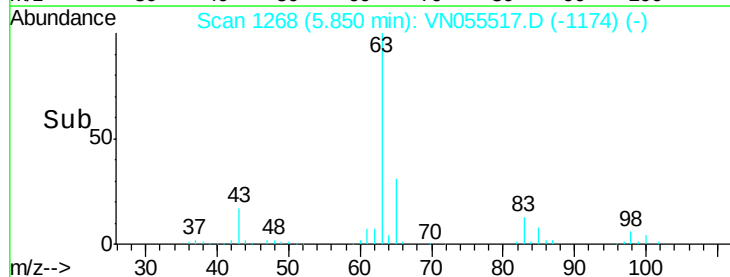
100000

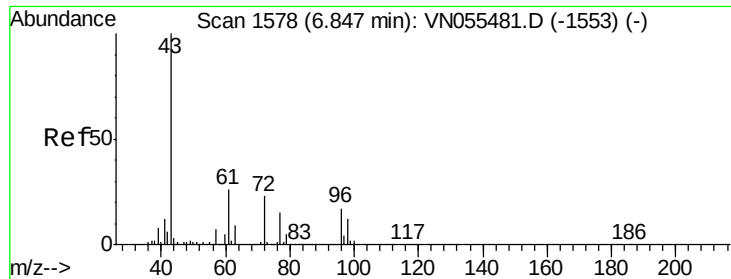
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 90.645 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 43 Resp: 600451

Ion Ratio Lower Upper

43 100

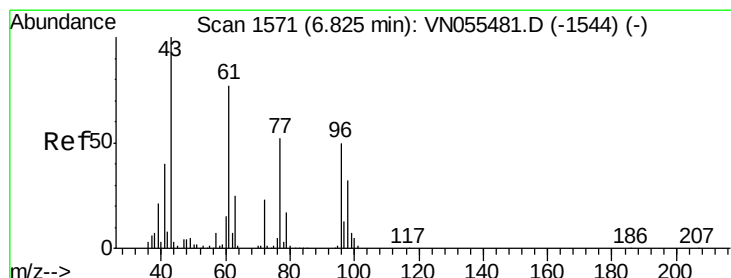
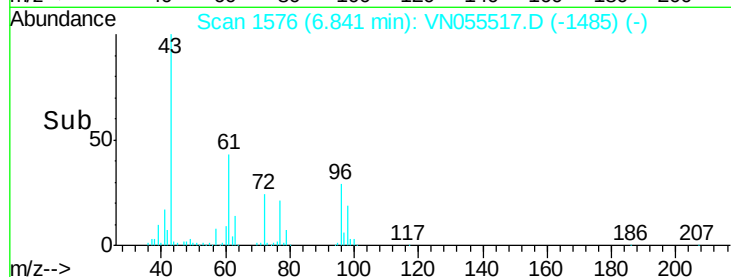
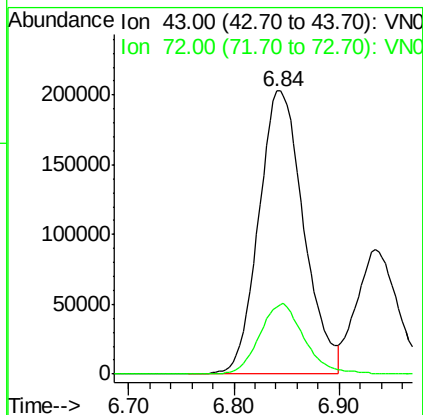
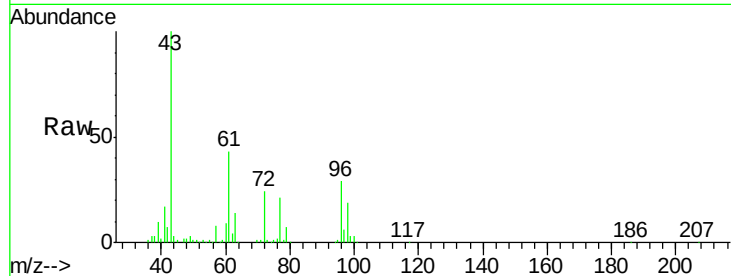
72 23.9 18.6 27.8

Manual Integrations

APPROVED

MMDadoda

5/10/2019 12:44:06 PM



#26

2,2-Dichloropropane

Concen: 17.185 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055517.D

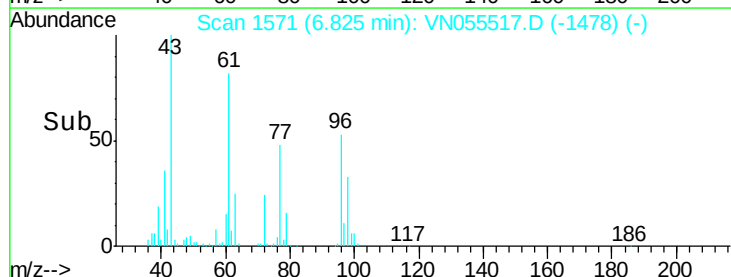
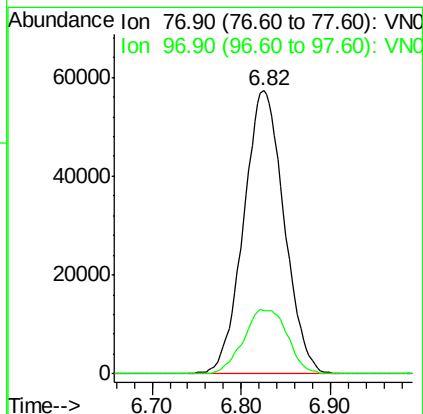
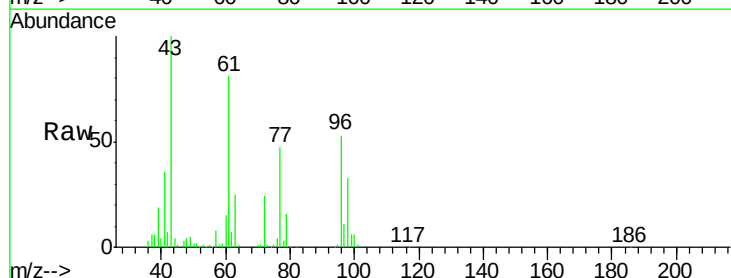
Acq: 10 May 2019 00:24

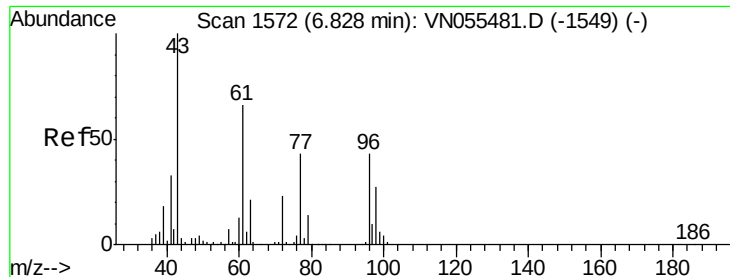
Tgt Ion: 77 Resp: 180976

Ion Ratio Lower Upper

77 100

97 13.2 11.5 34.5





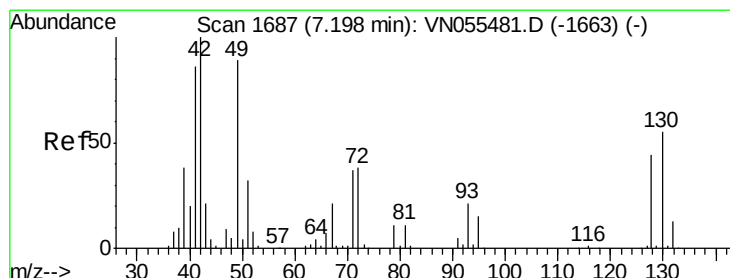
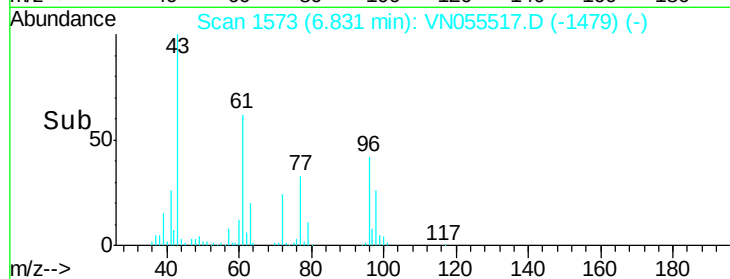
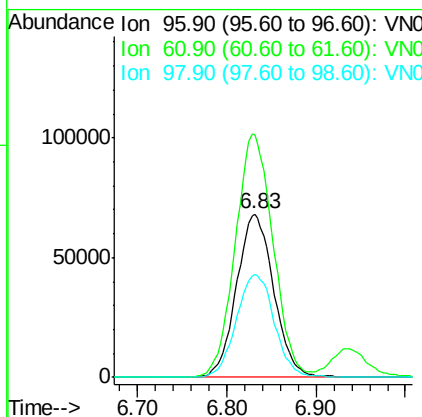
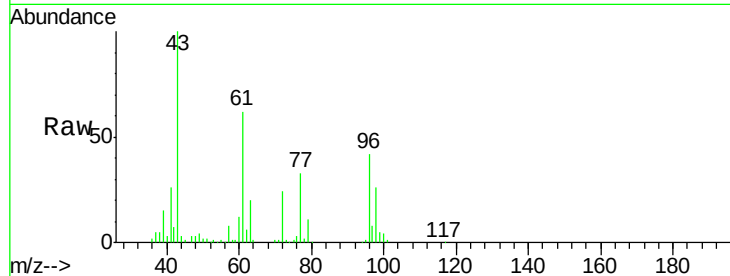
#27
 cis-1,2-Dichloroethene
 Concen: 20.970 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197535		
61	151.0	0.0	310.8	
98	64.5	0.0	129.4	

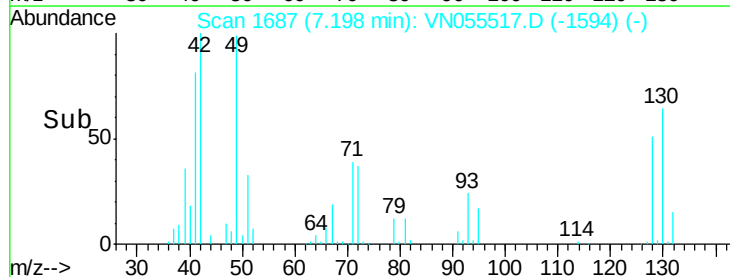
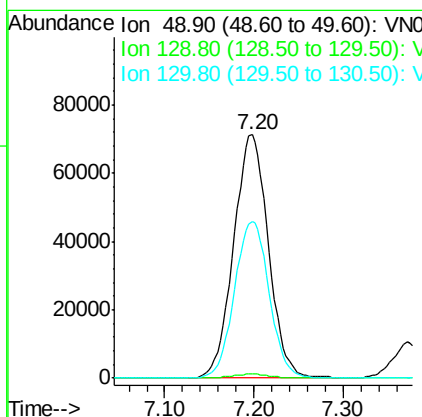
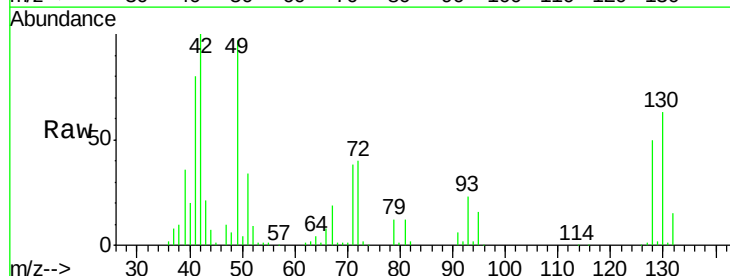
Manual Integrations
 APPROVED

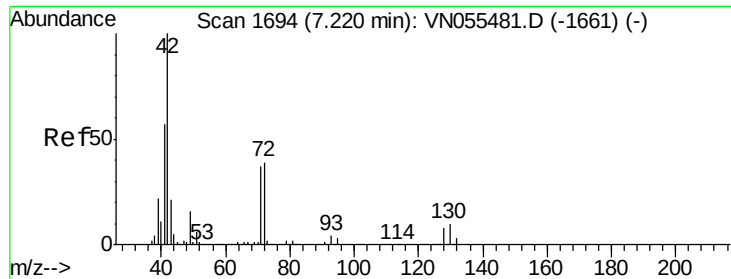
MMDadoda
 5/10/2019 12:44:06 PM



#28
 Bromochloromethane
 Concen: 22.002 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	193016		
129	1.7	0.0	3.2	
130	64.3	49.5	74.3	





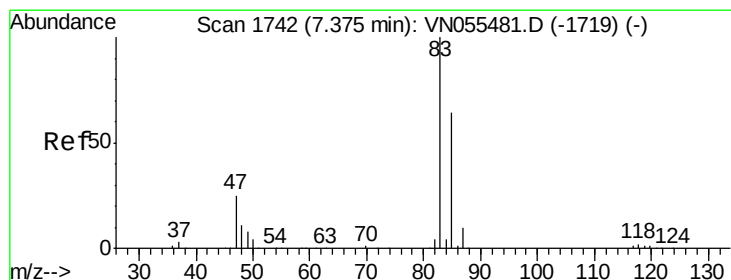
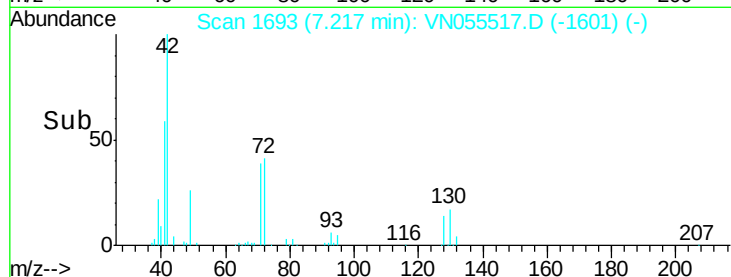
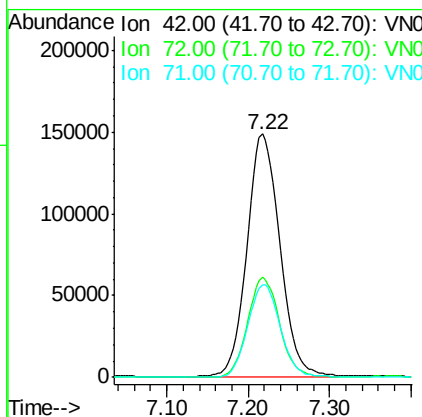
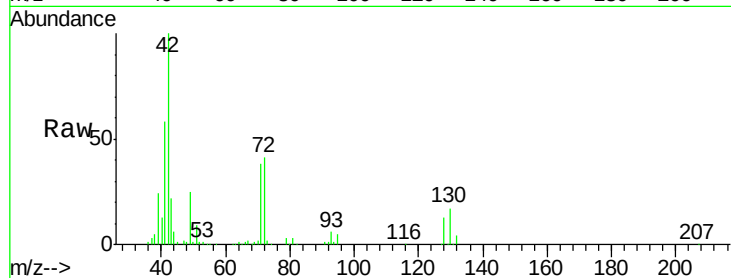
#29
Tetrahydrofuran
Concen: 94.680 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.0	46.6
71	37.7	29.4	44.2

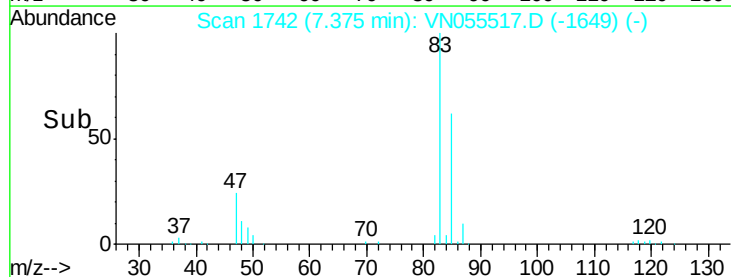
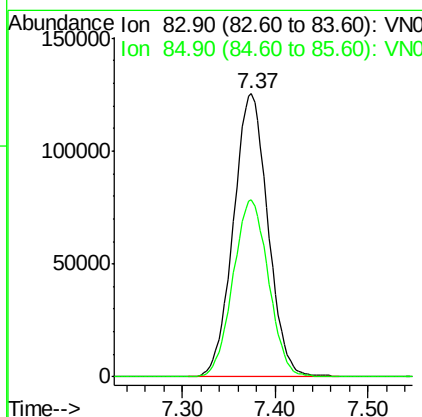
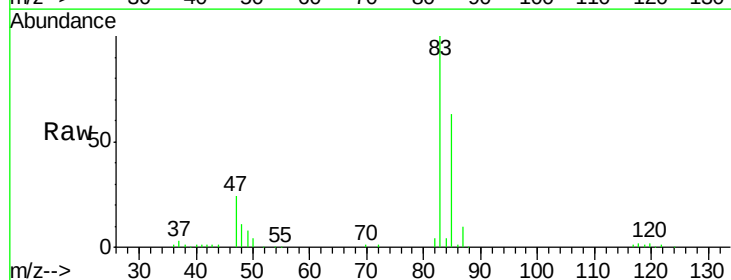
Manual Integrations
APPROVED

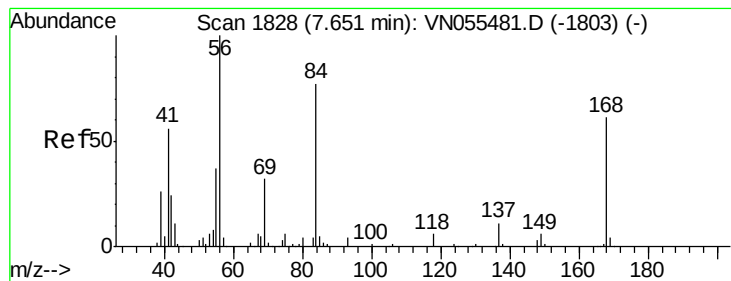
MMDadoda
5/10/2019 12:44:06 PM



#30
Chloroform
Concen: 20.735 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.3	76.9





#31

Cyclohexane

Concen: 19.407 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

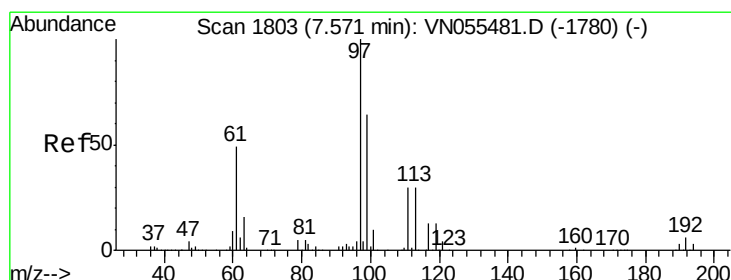
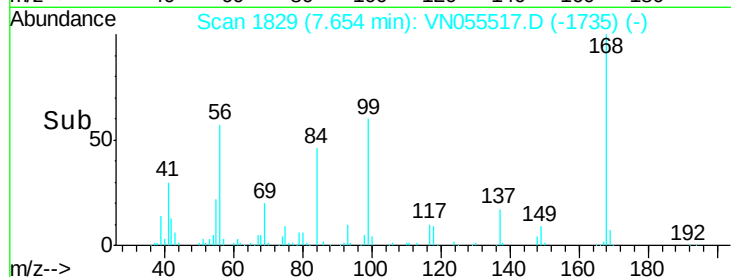
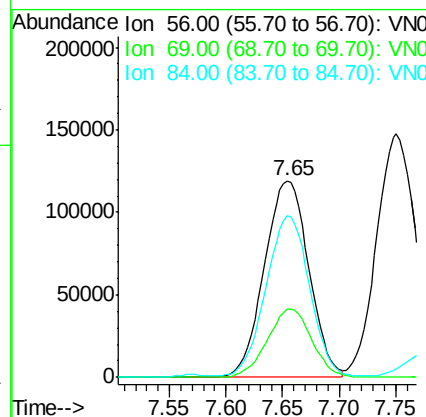
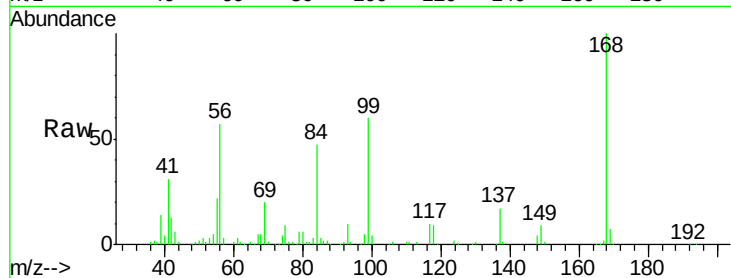
ClientSampleId :

VN0509WBS02

Tot Ion:	56	Resp:	324368
Ion Ratio	Lower	Upper	
56	100		
69	34.2	26.0	39.0
84	80.7	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.692 ug/l

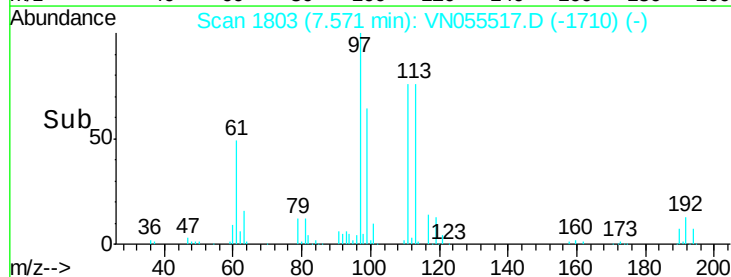
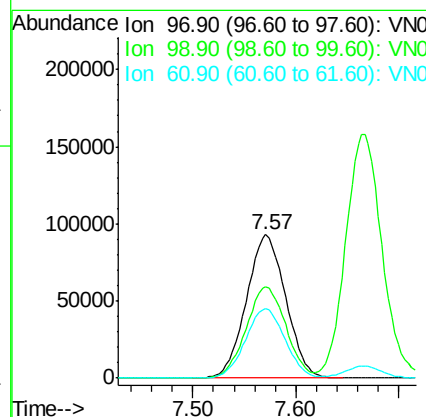
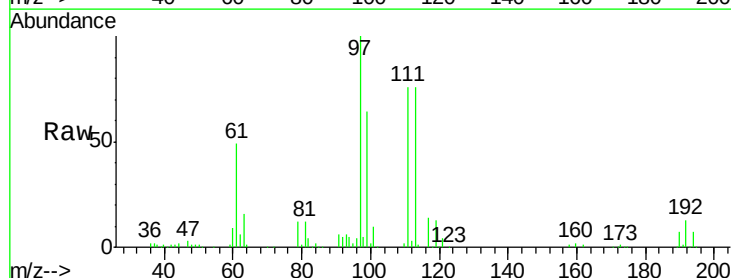
RT: 7.57 min Scan# 1803

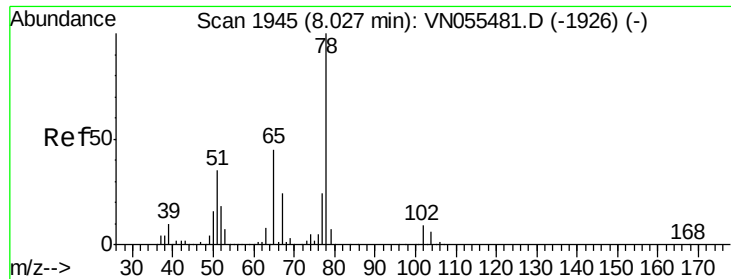
Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	97	Resp:	246080
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.2	76.8
61	48.9	39.2	58.8





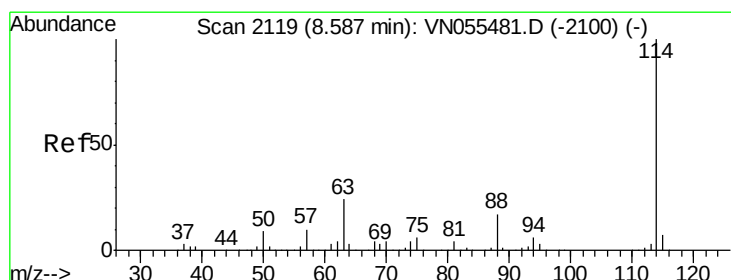
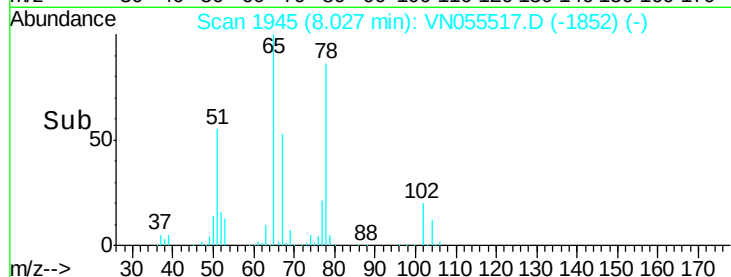
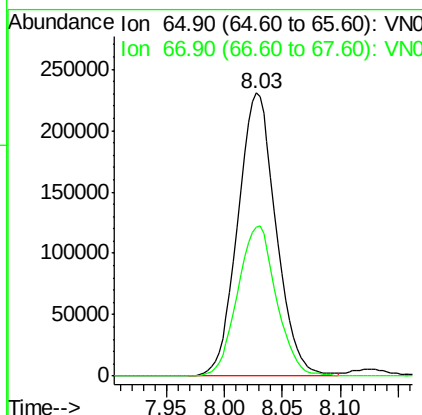
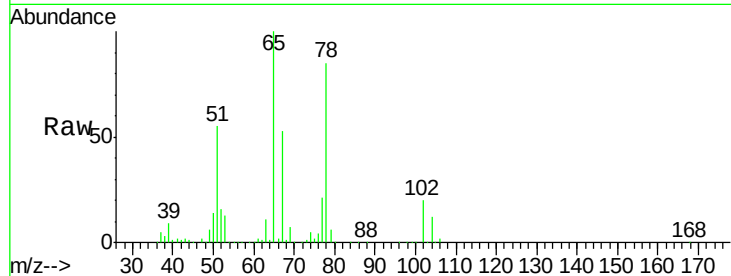
#33
 1,2-Dichloroethane-d4
 Concen: 51.121 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	529435		
67	53.8	0.0	109.6	

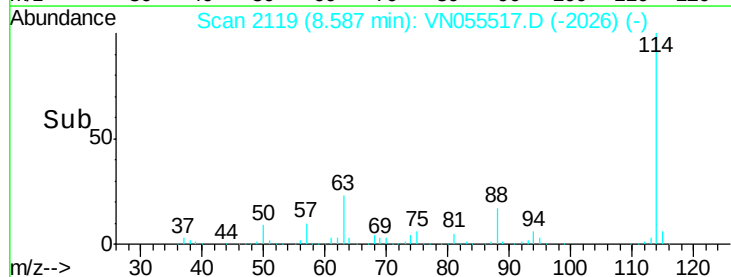
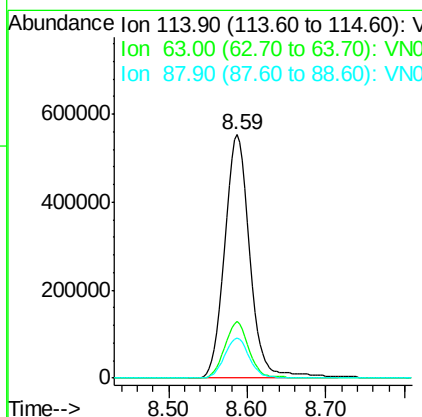
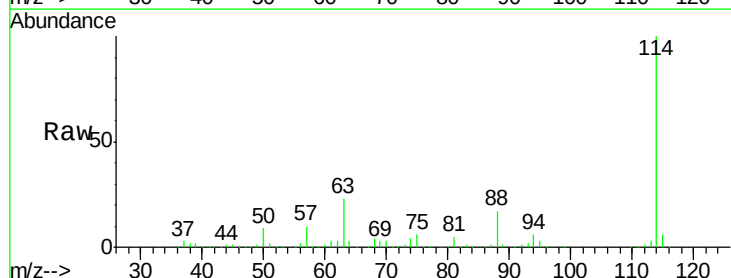
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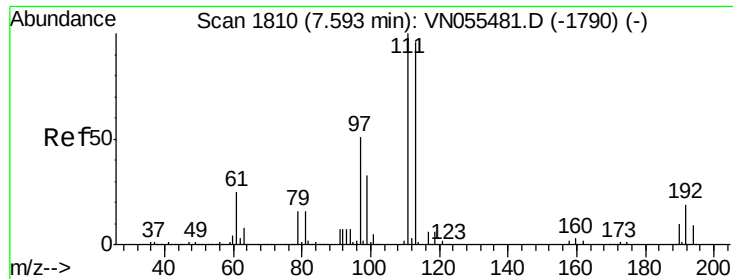
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1220357		
63	23.1	0.0	47.4	
88	16.7	0.0	34.0	





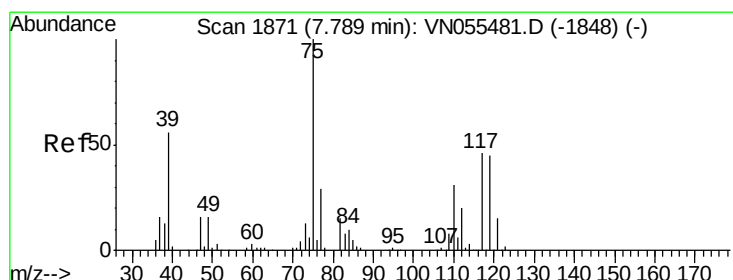
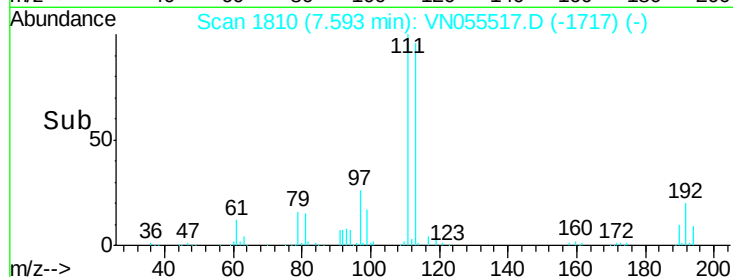
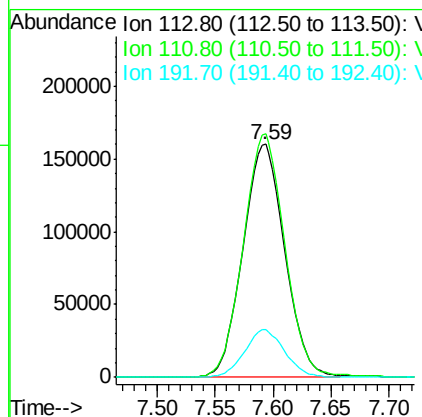
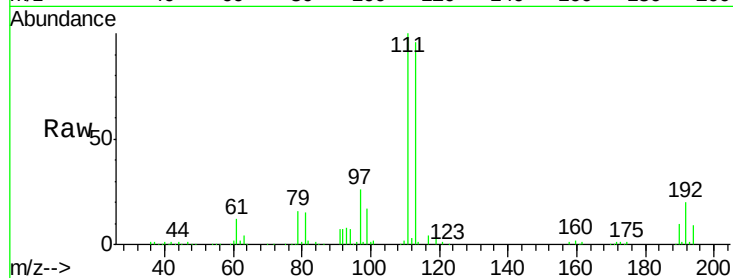
#35
 Dibromofluoromethane
 Concen: 51.084 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	402146		
111	104.1	82.9	124.3	
192	19.8	15.6	23.4	

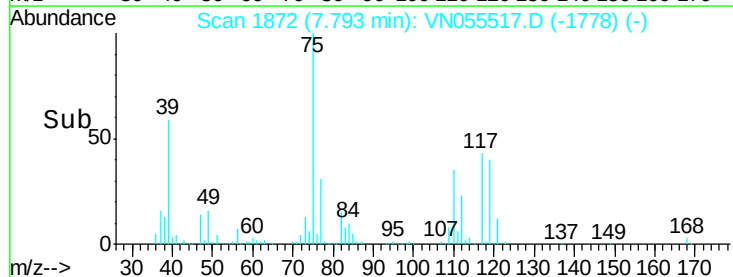
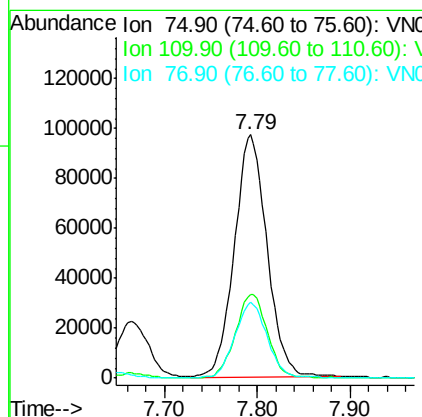
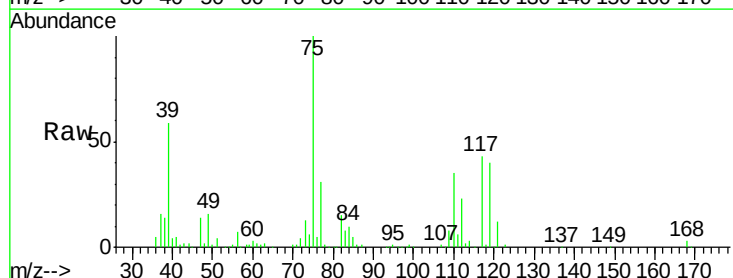
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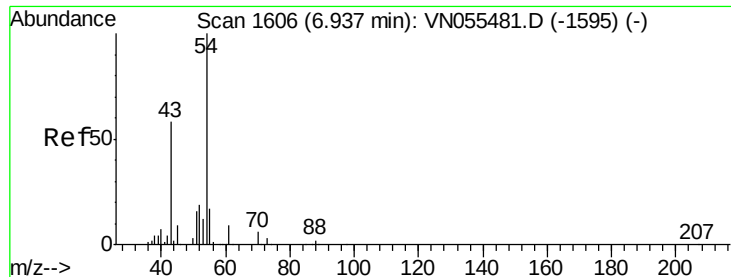
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.688 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	236696		
110	34.1	16.1	48.3	
77	30.9	24.6	37.0	





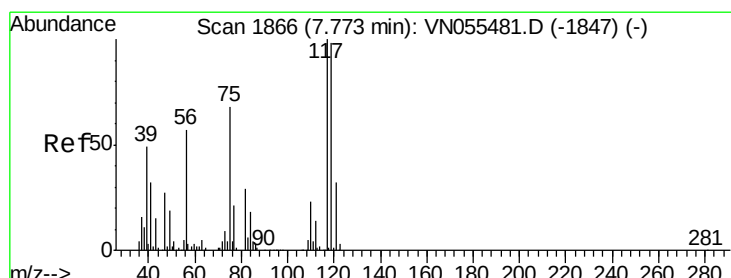
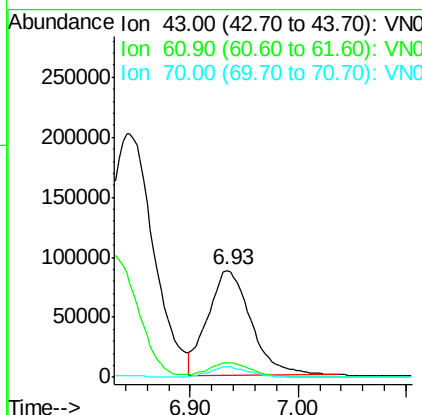
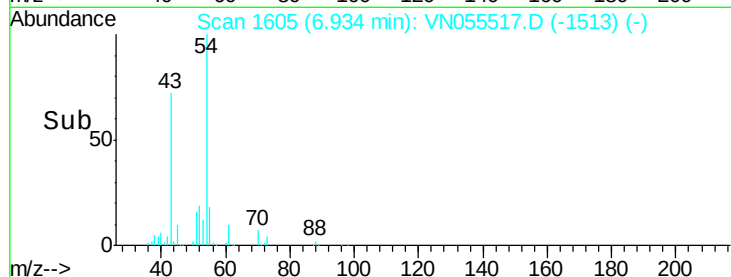
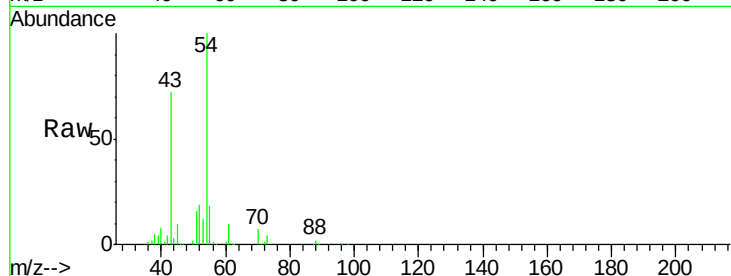
#37
Ethyl Acetate
Concen: 18.779 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.5	7.0	10.6

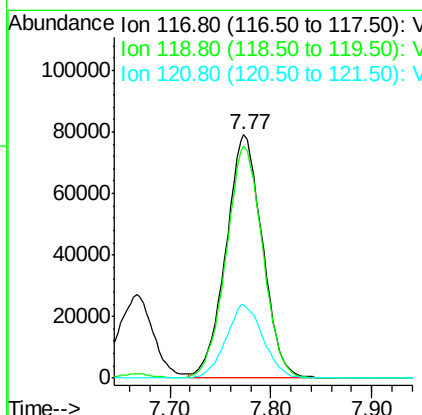
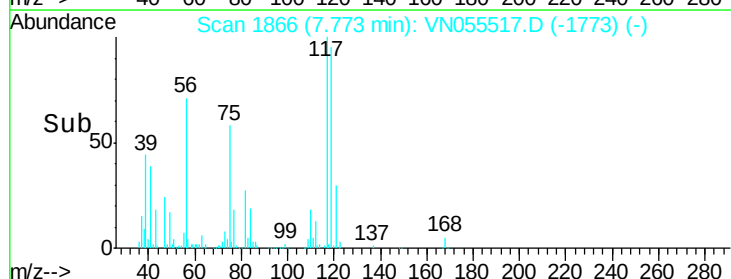
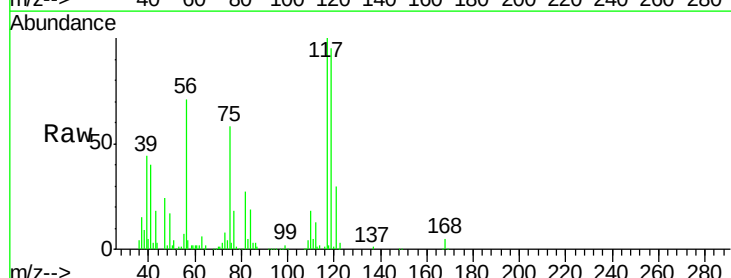
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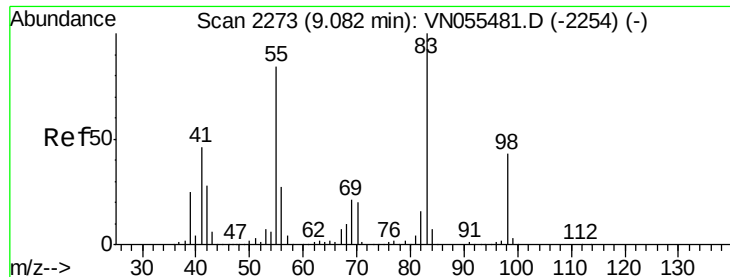
MMDadoda
5/10/2019 12:44:06 PM



#38
Carbon Tetrachloride
Concen: 19.613 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.6
121	30.3	25.2	37.8





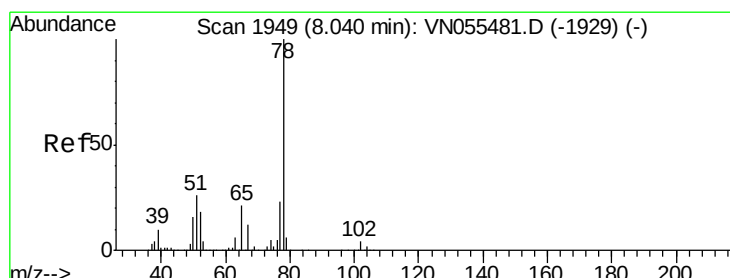
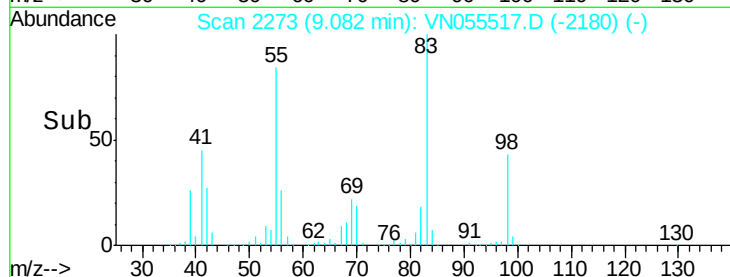
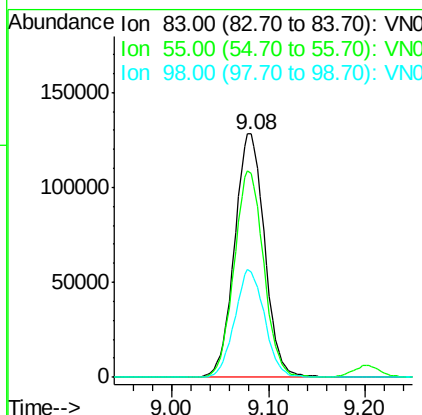
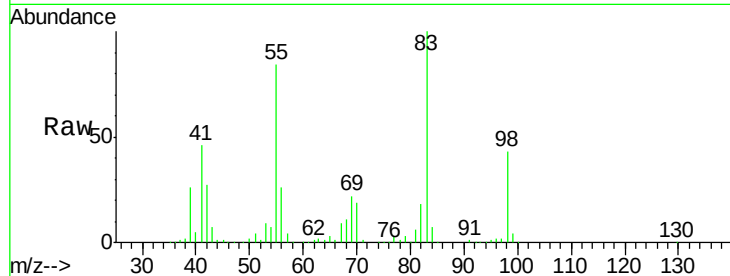
#39
Methylvlcyclohexane
Concen: 18.844 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	276235		
55	83.8	67.0	100.4	
98	43.4	34.2	51.4	

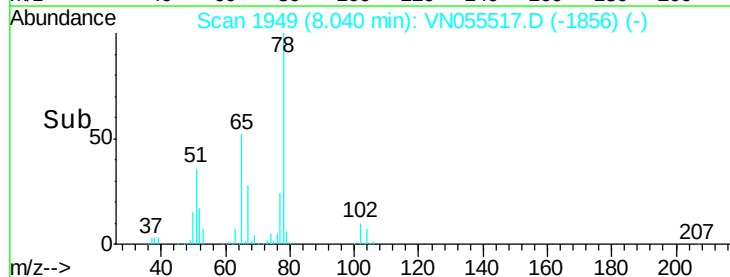
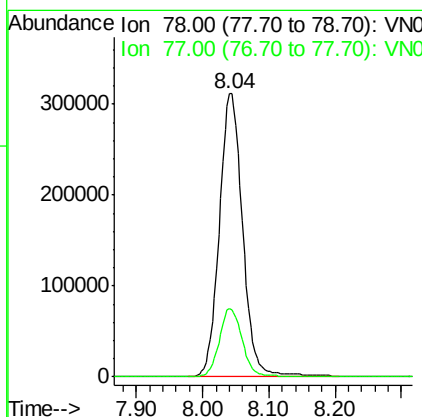
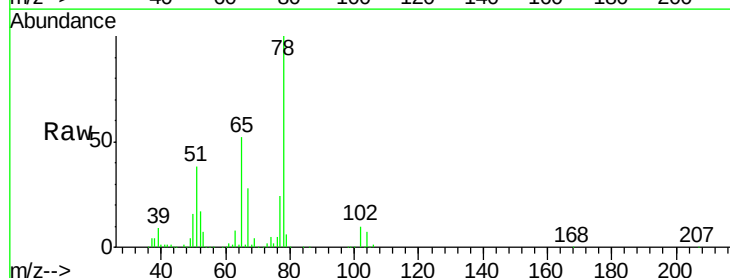
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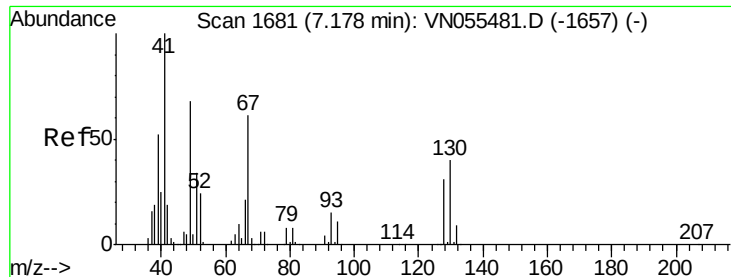
MMDadoda
5/10/2019 12:44:06 PM



#40
Benzene
Concen: 20.460 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	763425		
77	24.1	18.6	27.8	





#41

Methacrylonitrile

Concen: 19.848 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 41 Resp: 120817
Ion Ratio Lower Upper

41 100

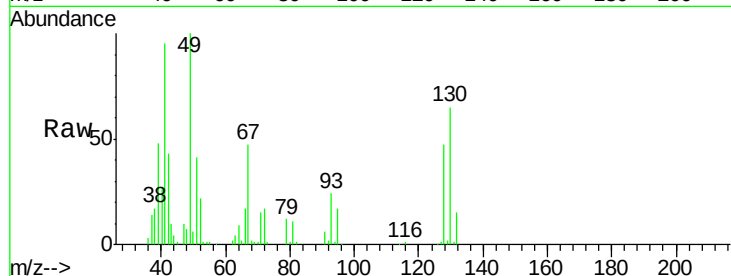
39 71.2 44.7 67.1#

67 0.0 61.4 92.0#

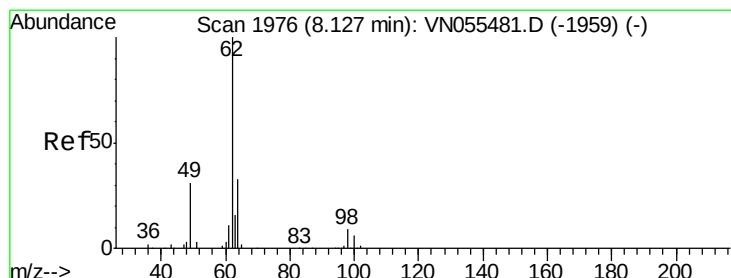
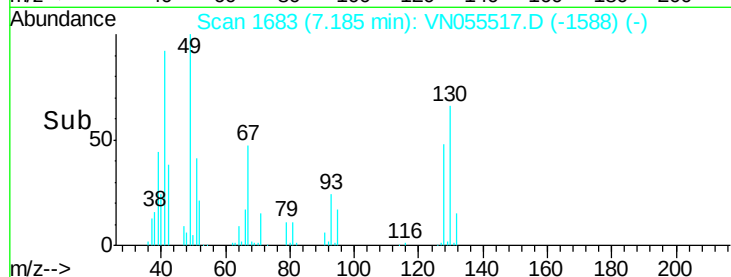
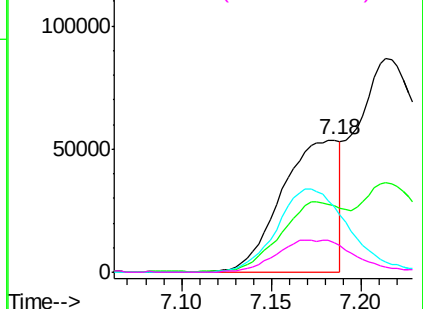
52 0.0 25.0 37.4#

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.683 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

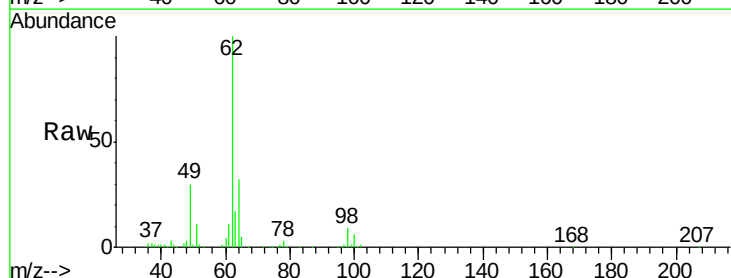
Lab File: VN055517.D

Acq: 10 May 2019 00:24

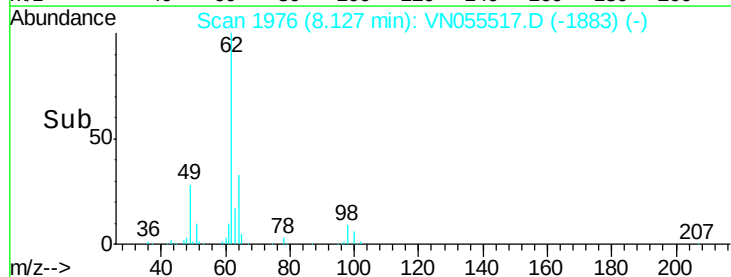
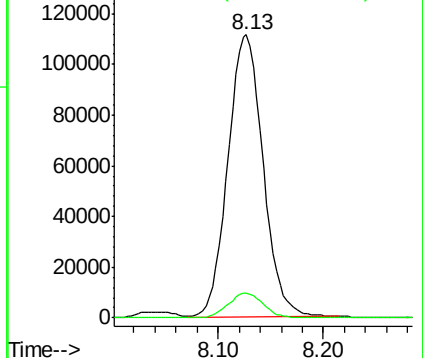
Tgt Ion: 62 Resp: 258032
Ion Ratio Lower Upper

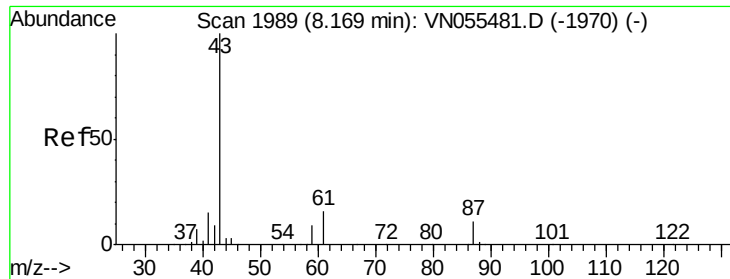
62 100

98 8.8 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.821 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

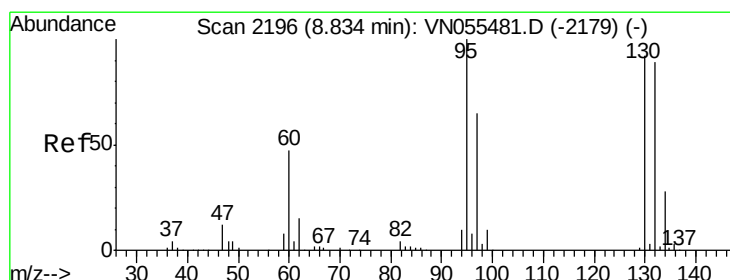
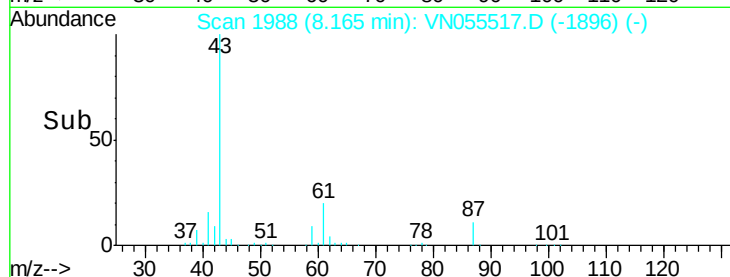
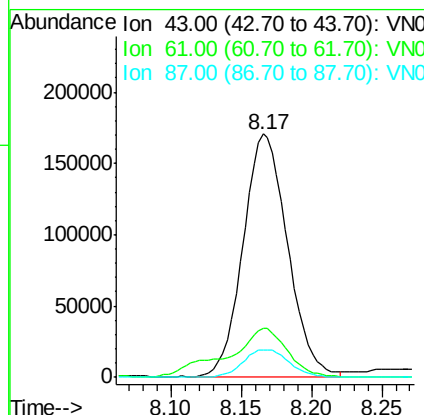
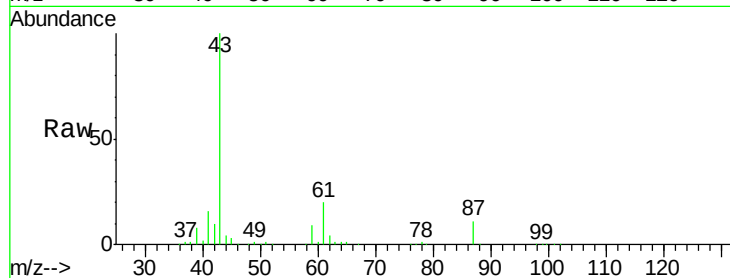
ClientSampleId :

VN0509WBS02

Tot Ion:	43	Resp:	374995
Ion	Ratio	Lower	Upper
43	100		
61	27.1	15.1	22.7#
87	11.8	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.258 ug/l

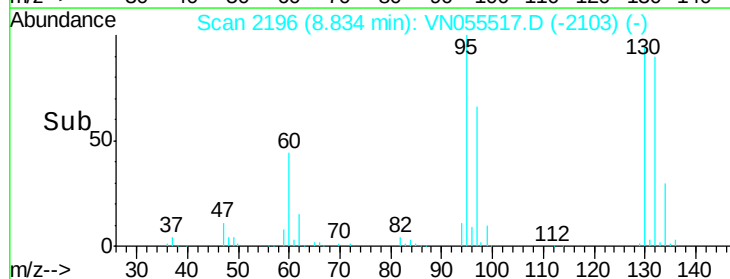
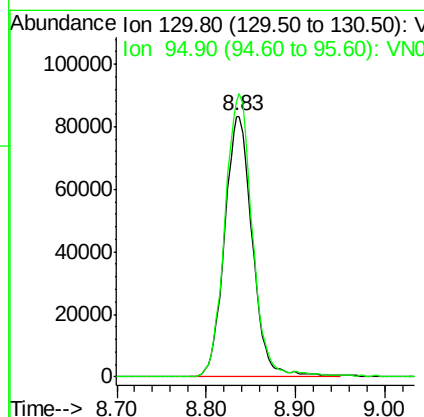
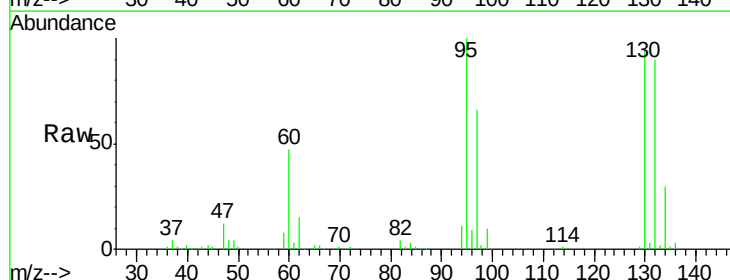
RT: 8.83 min Scan# 2196

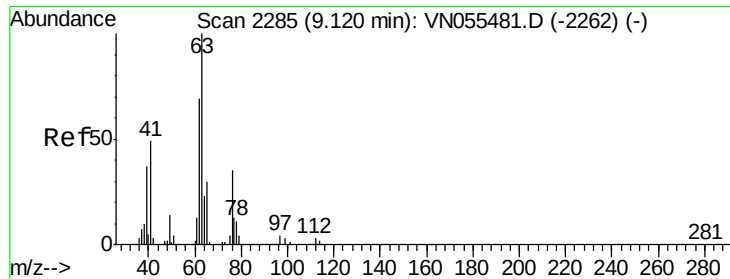
Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	130	Resp:	179859
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	216.8





#45

1,2-Dichloropropane

Concen: 19.769 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 63 Resp: 211061

Ion Ratio Lower Upper

63 100

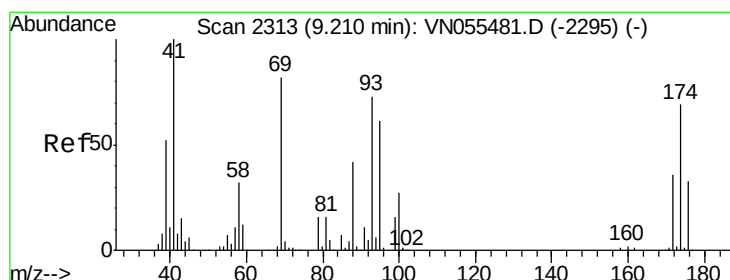
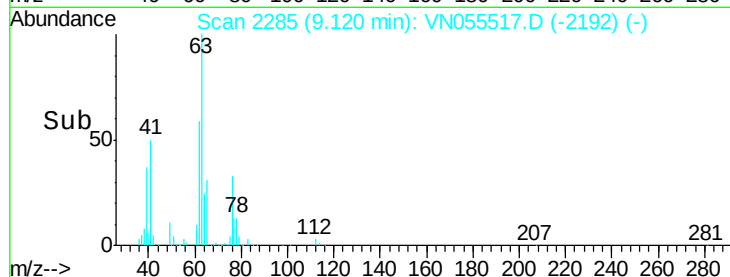
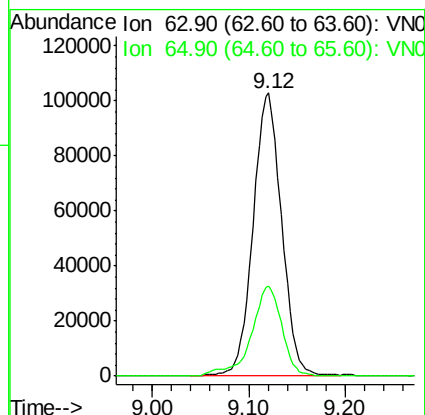
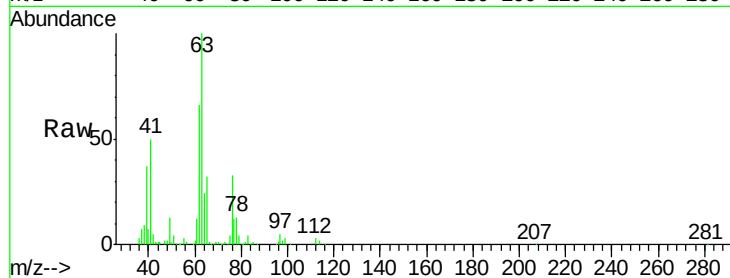
65 31.9 24.1 36.1

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 20.084 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

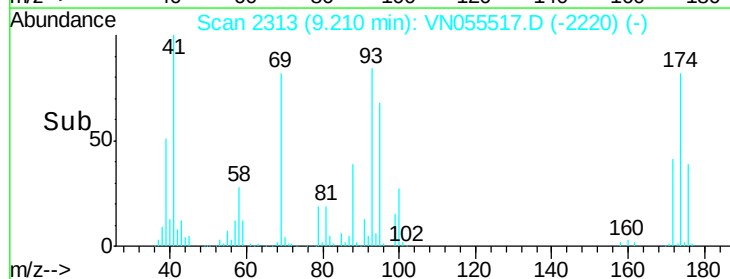
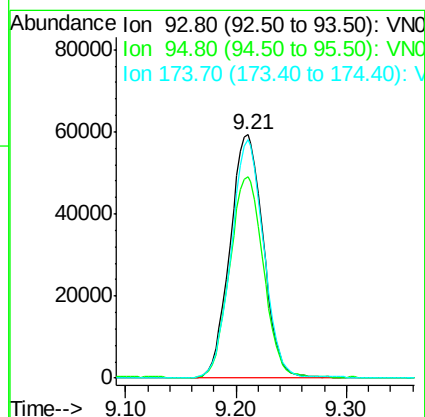
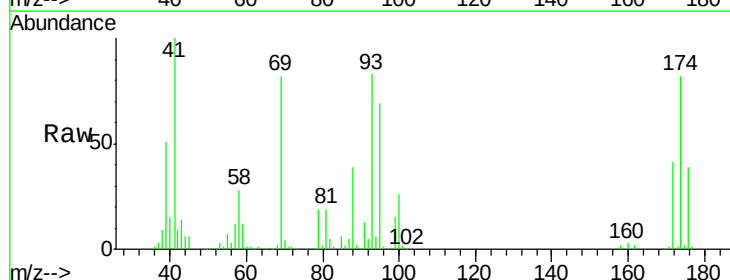
Tgt Ion: 93 Resp: 124288

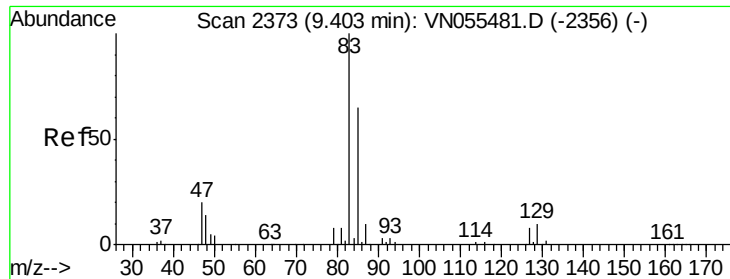
Ion Ratio Lower Upper

93 100

95 84.1 64.8 97.2

174 95.6 75.0 112.6





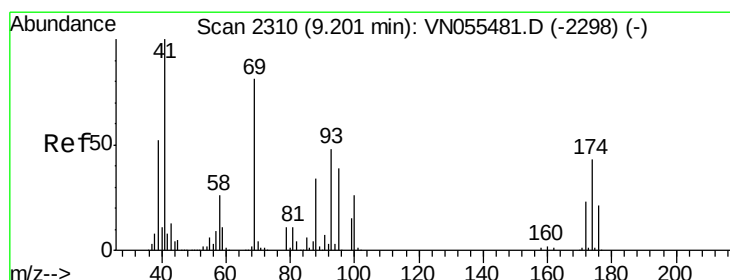
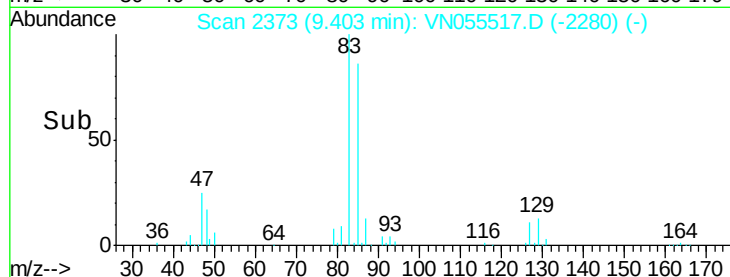
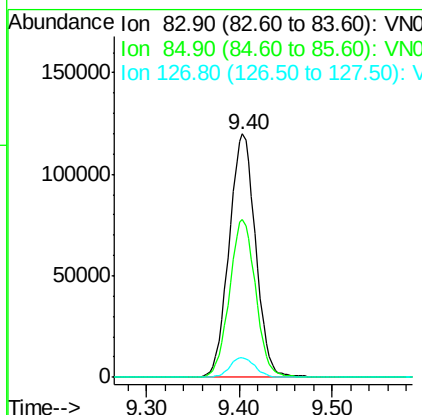
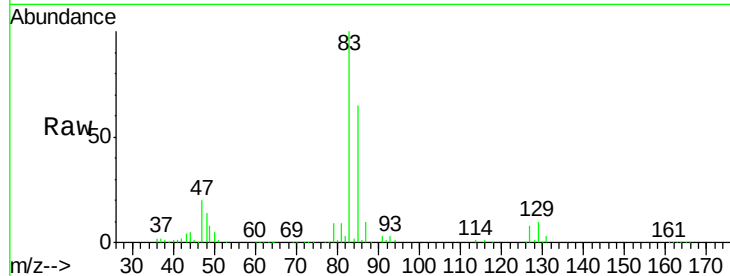
#47
Bromodichloromethane
Concen: 20.083 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion	83	Resp	237753
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.2	78.2
127	8.1	6.5	9.7

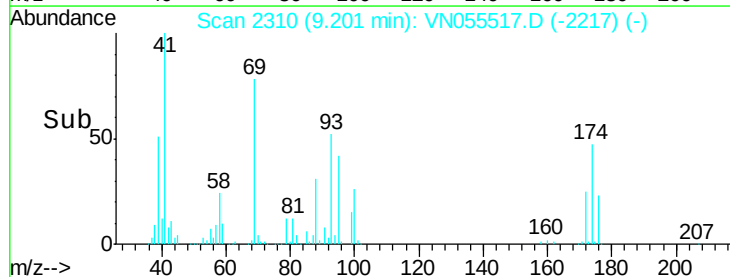
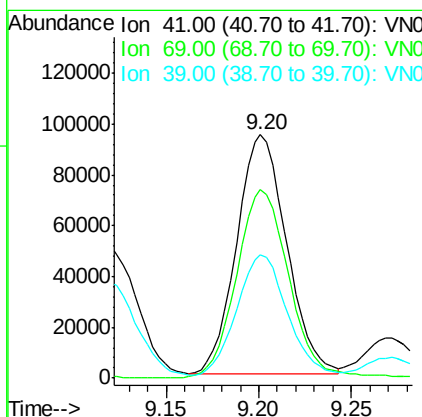
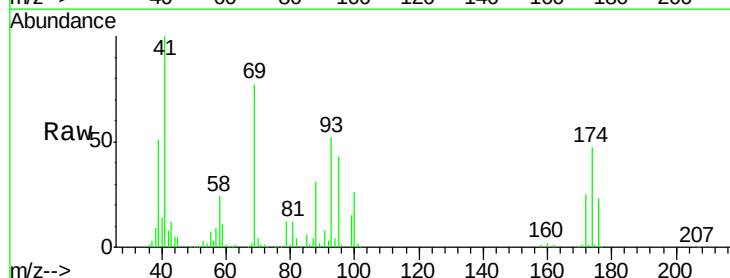
Manual Integrations
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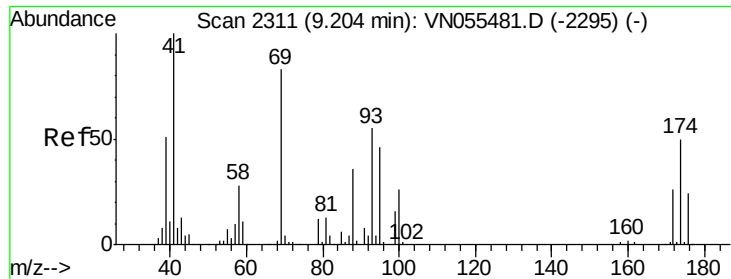
MMDadoda
5/10/2019 12:44:06 PM



#48
Methyl methacrylate
Concen: 18.374 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	41	Resp	176383
Ion Ratio	100	Lower	Upper
41	100		
69	83.3	64.2	96.2
39	52.7	41.6	62.4





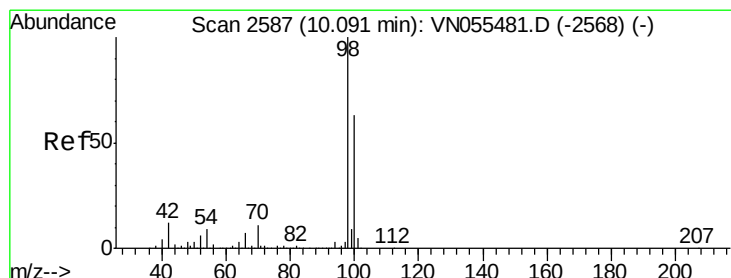
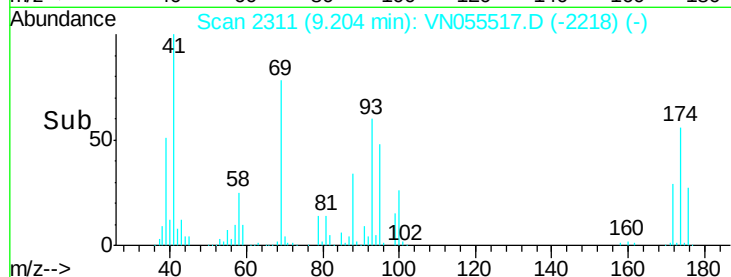
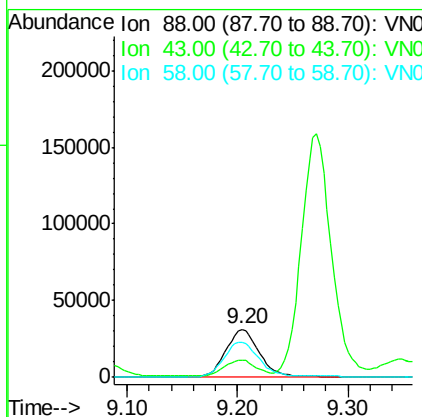
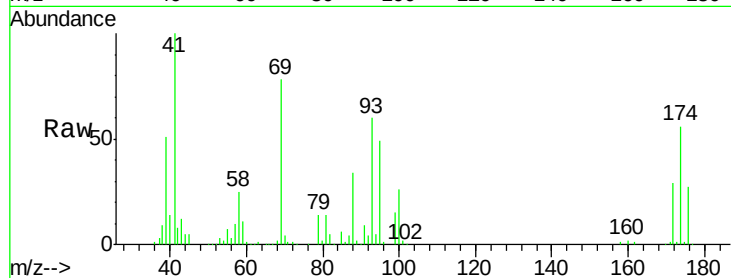
#49
1,4-Dioxane
Concen: 360.398 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion	88	Resp	67431
Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.8	41.8
58	75.3	61.8	92.6

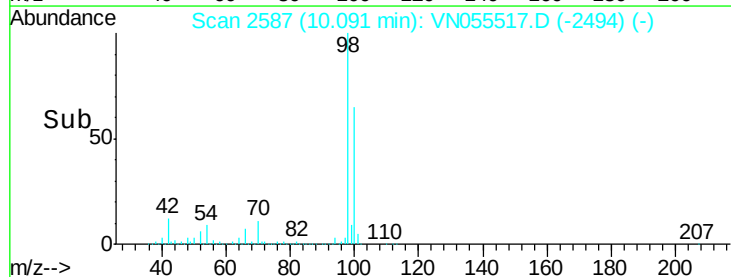
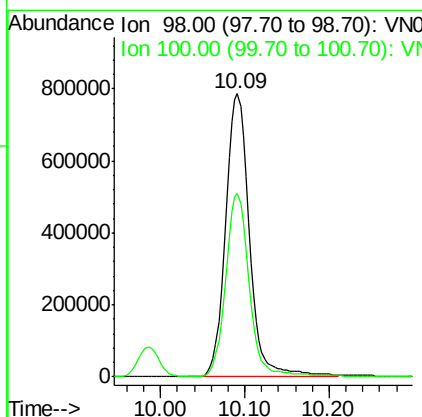
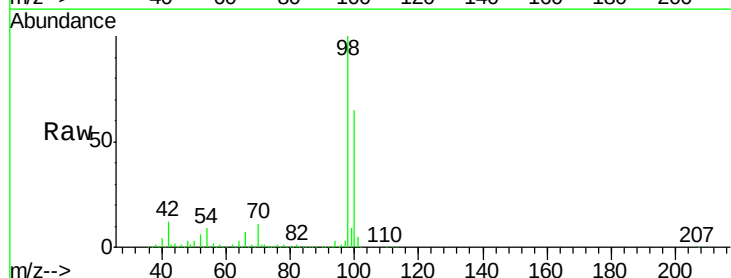
Manual Integrations
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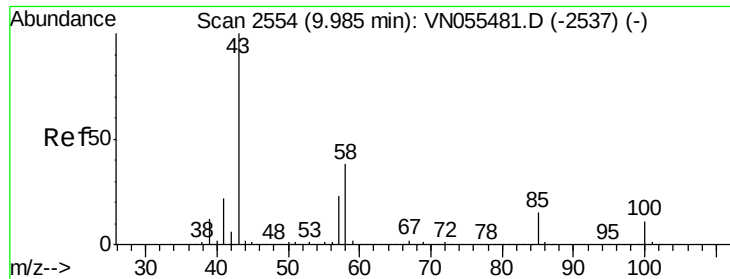
MMDadoda
5/10/2019 12:44:06 PM



#50
Toluene-d8
Concen: 50.612 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	98	Resp	1552660
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 91.344 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 43 Resp: 1196970

Ion Ratio Lower Upper

43 100

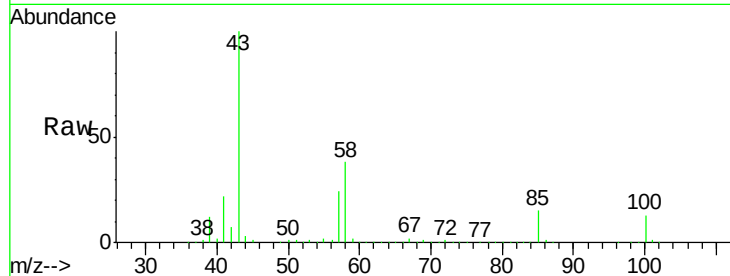
58 37.8 29.9 44.9

Manual Integrations

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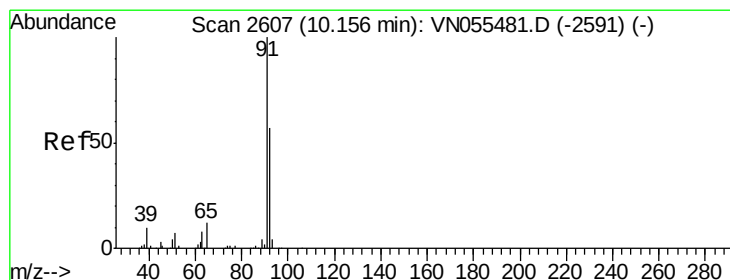
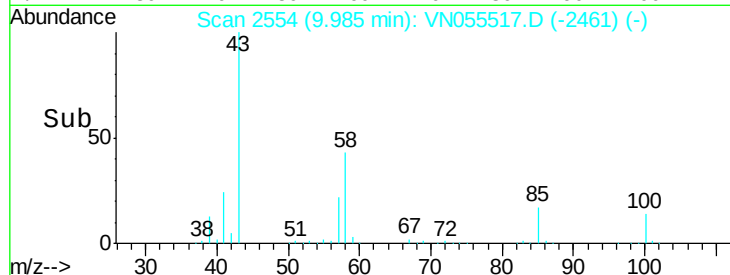
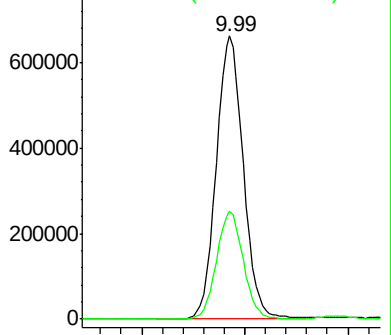
MMDadoda

5/10/2019 12:44:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.700 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055517.D

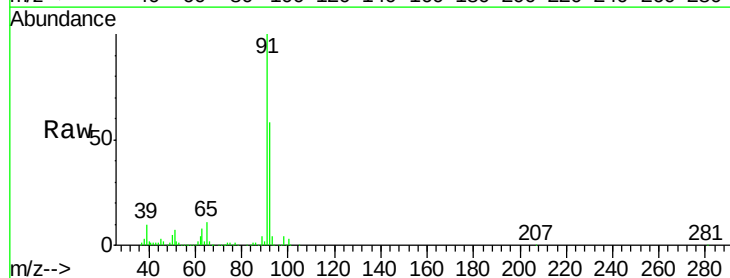
Acq: 10 May 2019 00:24

Tgt Ion: 92 Resp: 441562

Ion Ratio Lower Upper

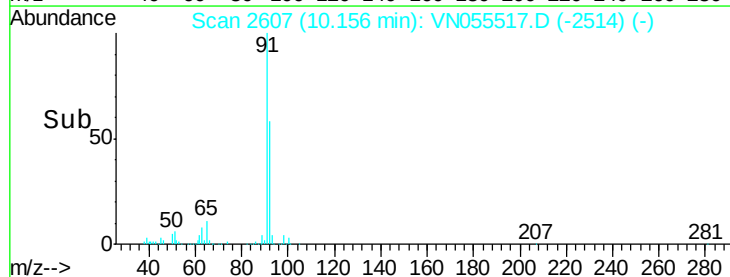
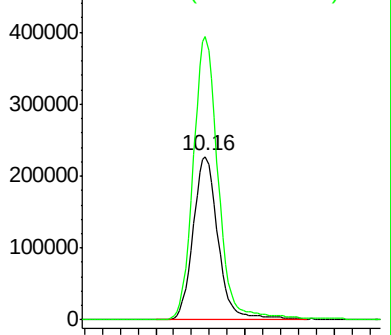
92 100

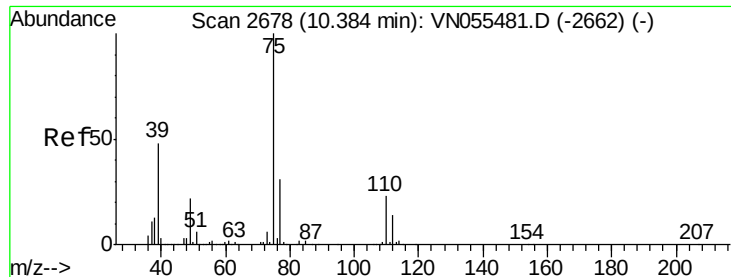
91 174.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





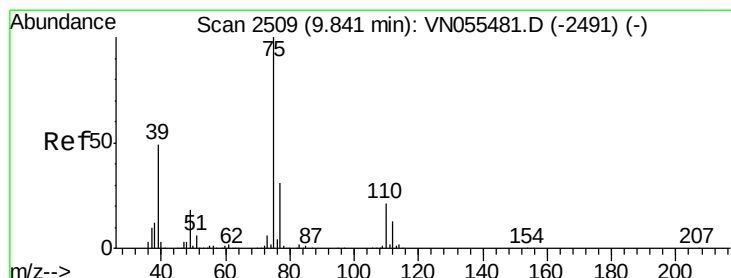
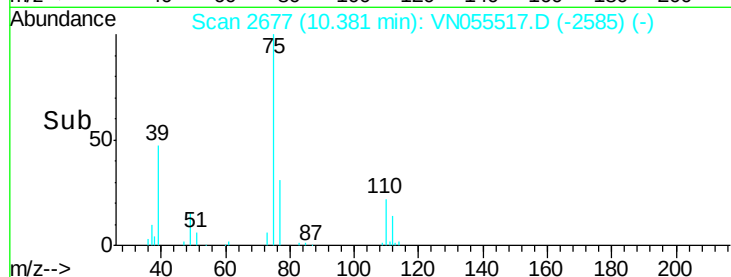
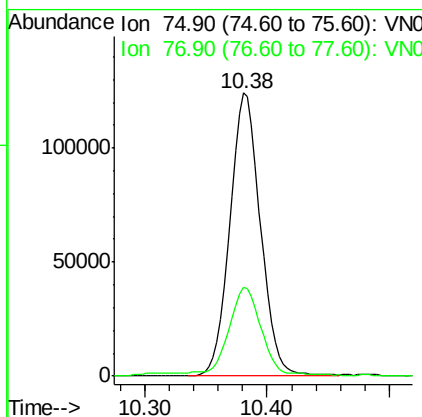
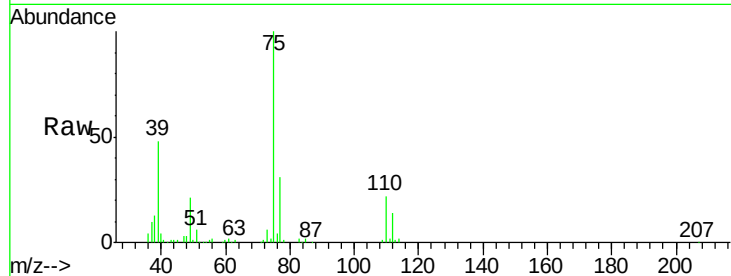
#53
t-1,3-Dichloropropene
Concen: 19.062 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion: 75 Resp: 216738
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7

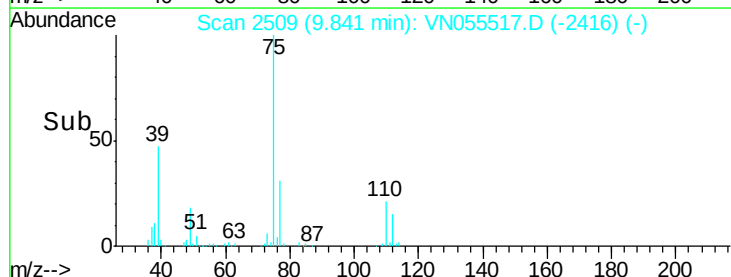
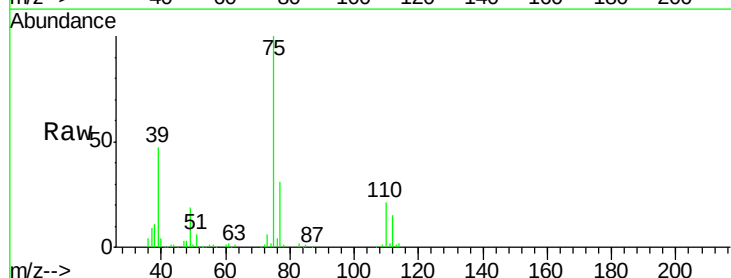
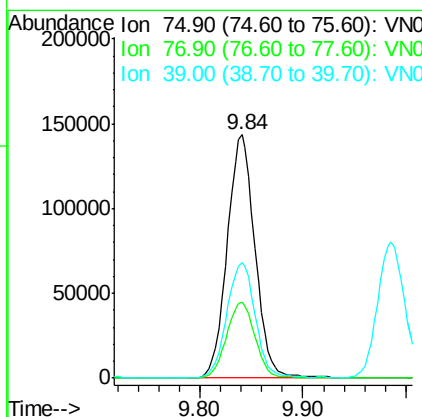
Manual Integrations
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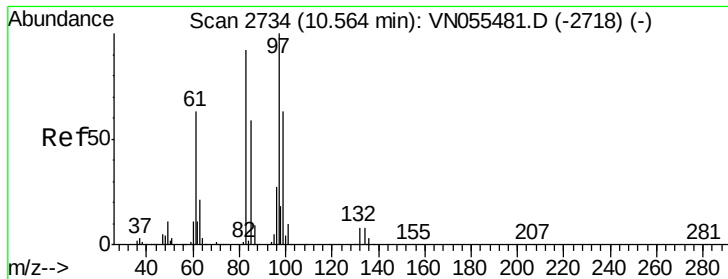
MMDadoda
5/10/2019 12:44:06 PM



#54
cis-1,3-Dichloropropene
Concen: 19.858 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 75 Resp: 269801
Ion Ratio Lower Upper
75 100
77 30.9 24.4 36.6
39 47.2 39.5 59.3





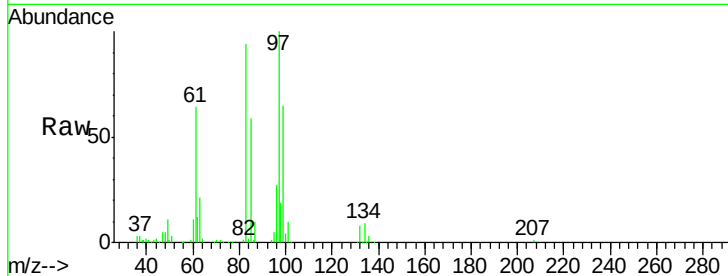
#55
 1,1,2-Trichloroethane
 Concen: 20.083 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

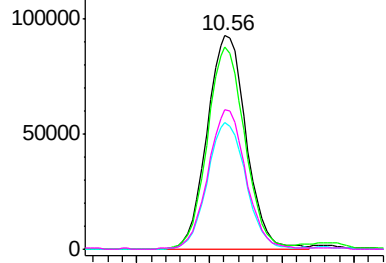
Tot Ion:	97	Resp:	173573
Ion	Ratio	Lower	Upper
97	100		
83	94.5	73.2	109.8
85	59.1	47.5	71.3
99	65.0	50.2	75.2

Manual Integrations
 APPROVED

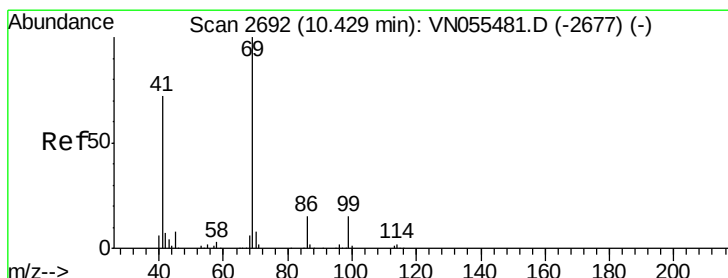
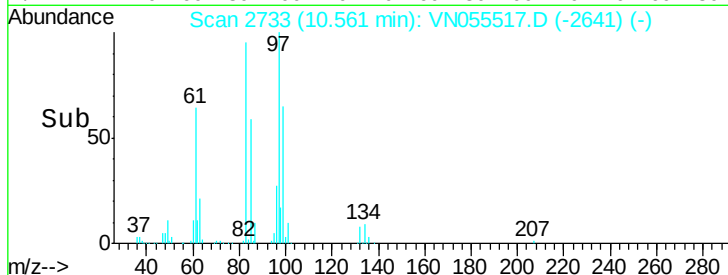
MMDadoda
 5/10/2019 12:44:06 PM



Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

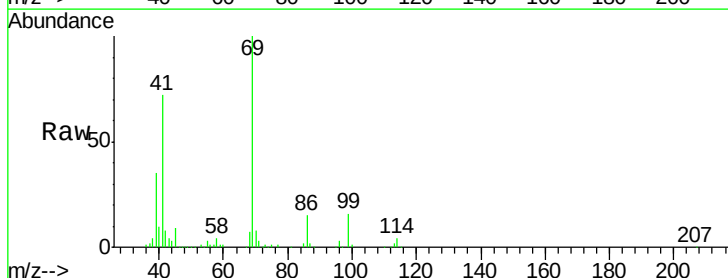


Time-->

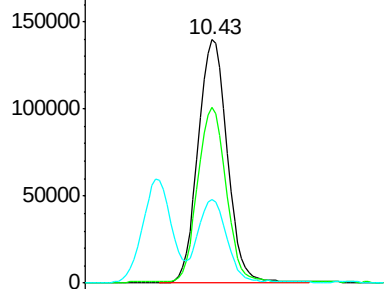


#56
 Ethyl methacrylate
 Concen: 19.005 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

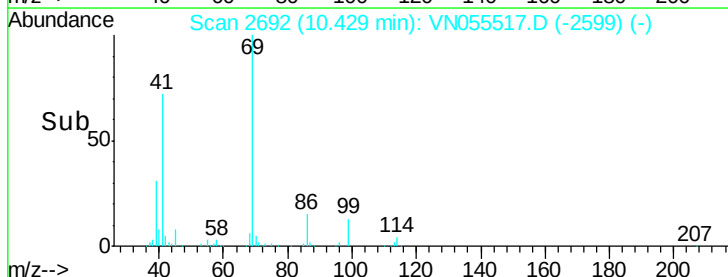
Tgt Ion:	69	Resp:	244330
Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.2
39	33.3	27.8	41.6

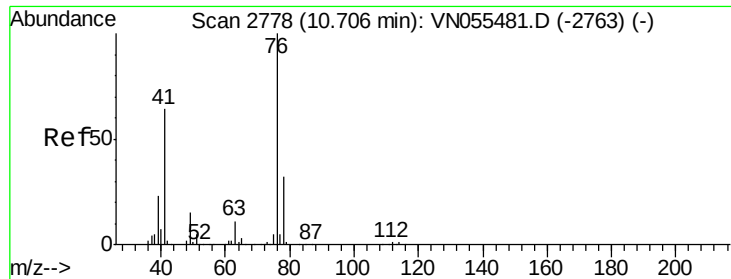


Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



Time-->





#57

1,3-Dichloropropane

Concen: 20.292 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion: 76 Resp: 311360

Ion Ratio Lower Upper

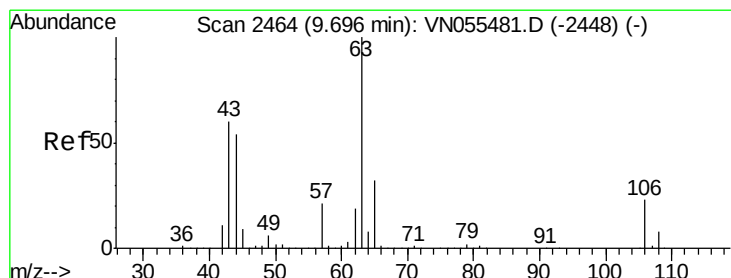
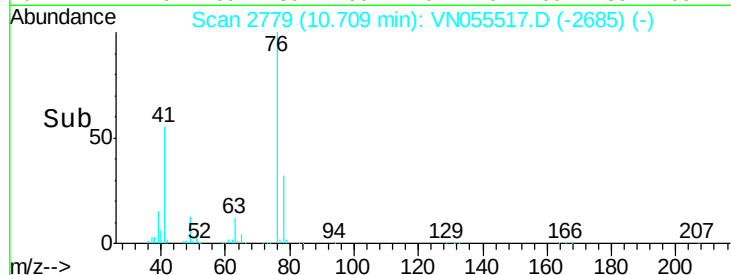
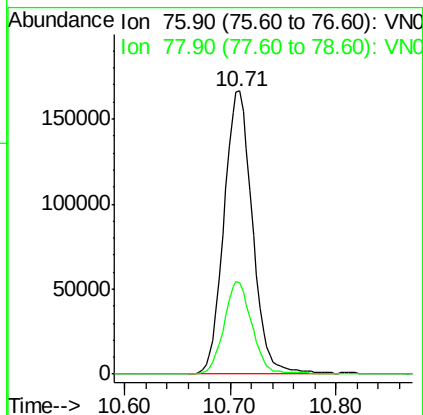
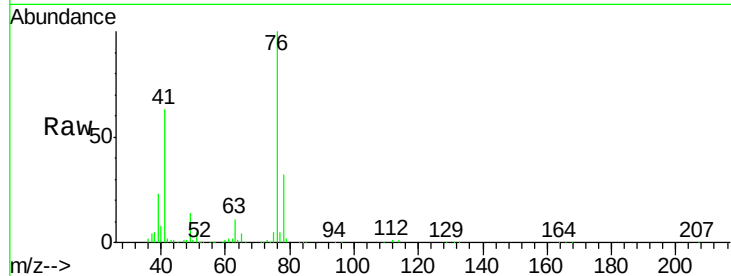
76 100

78 32.2 25.8 38.6

Manual Integrations
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MMDadoda

5/10/2019 12:44:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 77.337 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055517.D

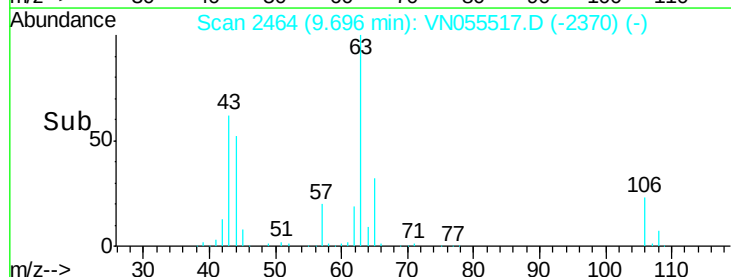
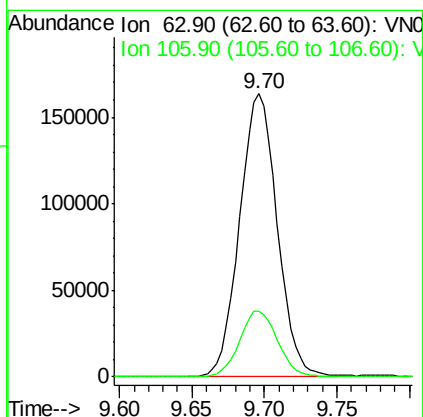
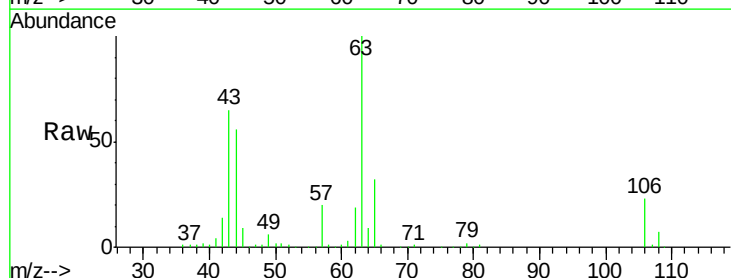
Acq: 10 May 2019 00:24

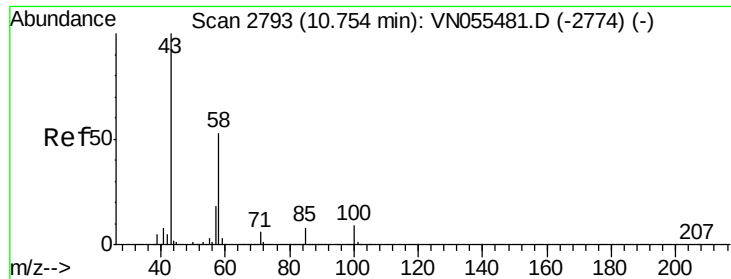
Tgt Ion: 63 Resp: 295324

Ion Ratio Lower Upper

63 100

106 23.7 18.6 27.8





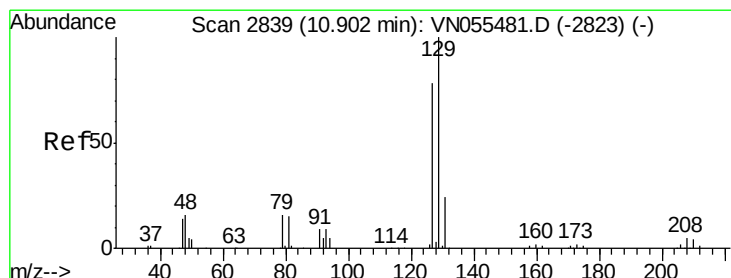
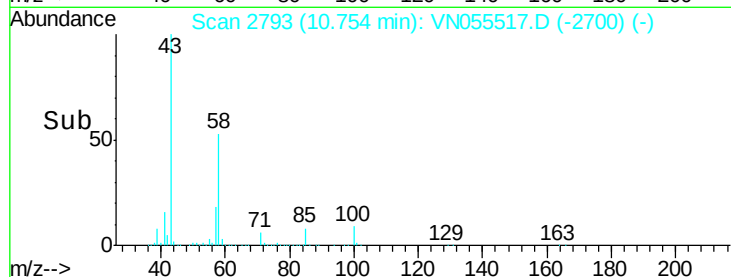
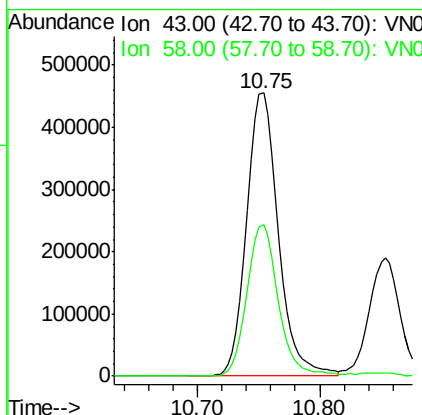
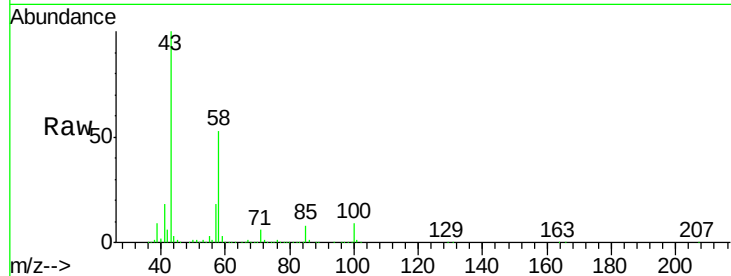
#59
2-Hexanone
Concen: 88.176 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion: 43 Resp: 810320
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

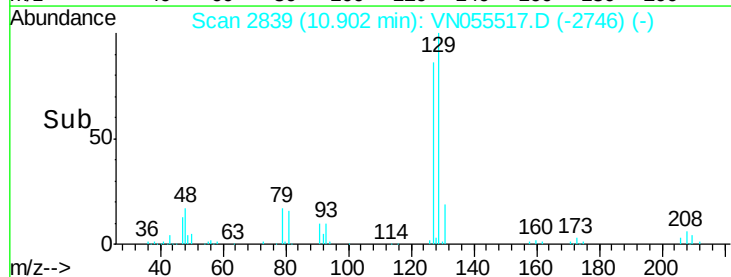
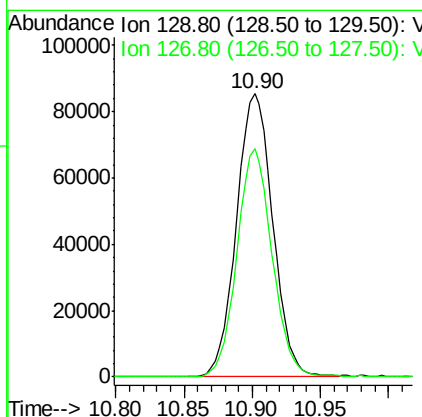
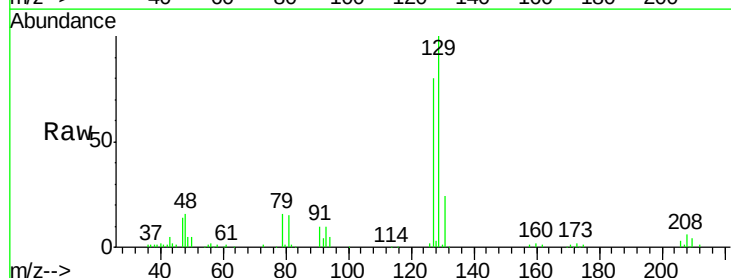
Manual Integrations
APPROVED

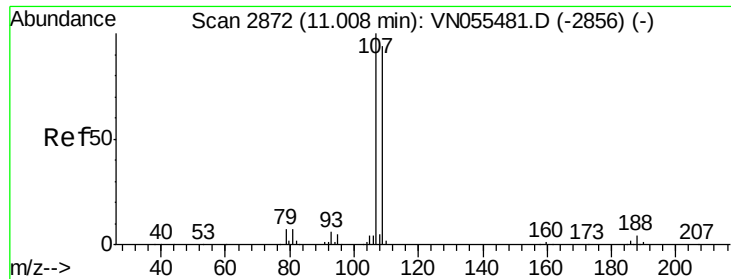
MMDadoda
5/10/2019 12:44:06 PM



#60
Dibromochloromethane
Concen: 20.133 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 129 Resp: 158207
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





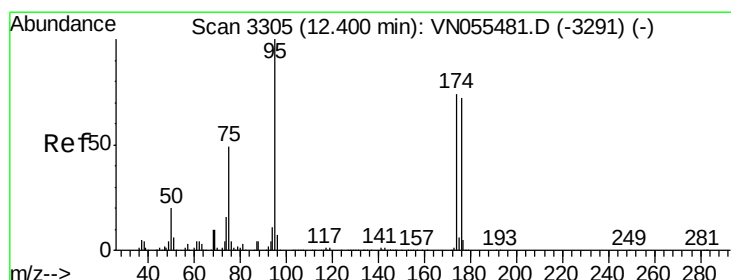
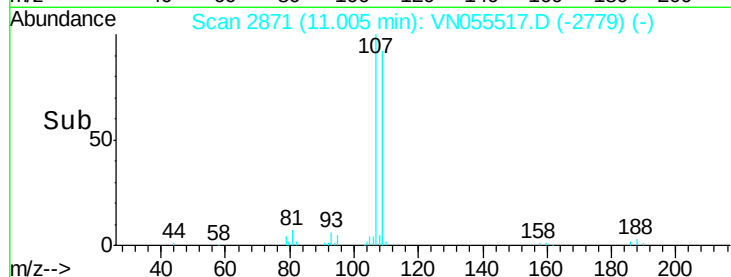
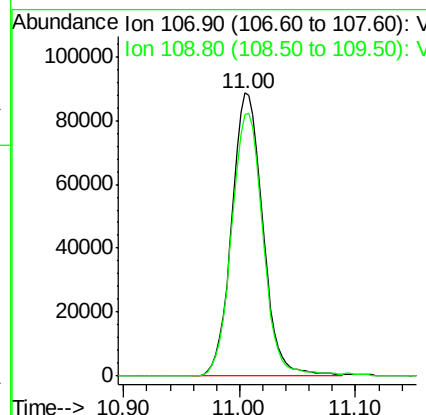
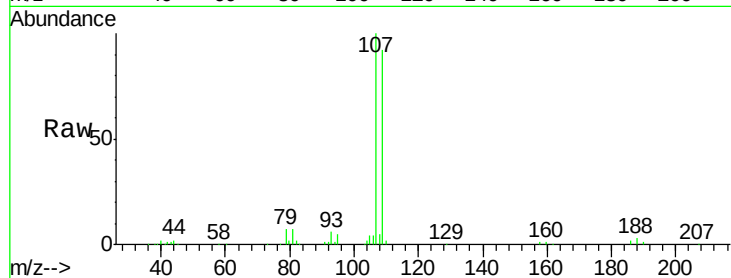
#61
 1,2-Dibromoethane
 Concen: 19.854 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.2	111.4

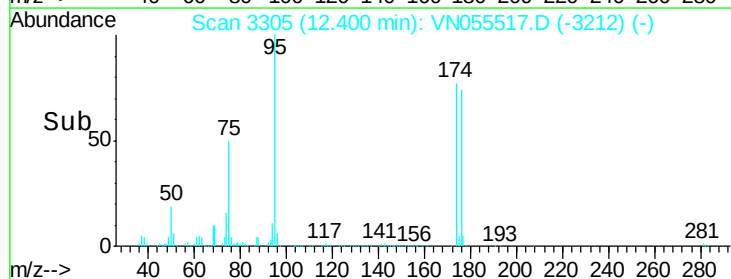
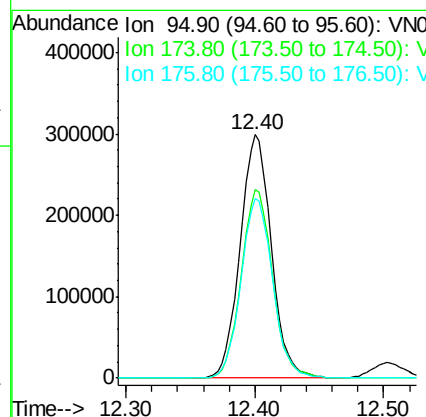
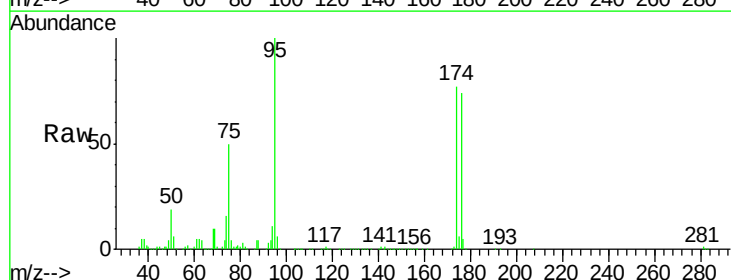
Manual Integrations
 APPROVED

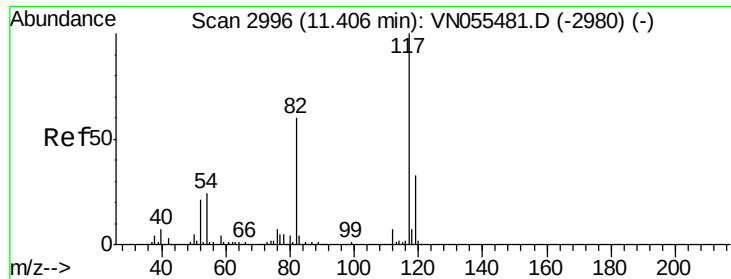
MMDadoda
 5/10/2019 12:44:06 PM



#62
 4-Bromofluorobenzene
 Concen: 48.629 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	152.2
176	75.1	0.0	147.8





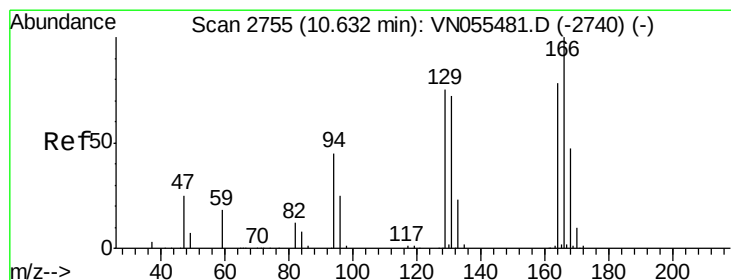
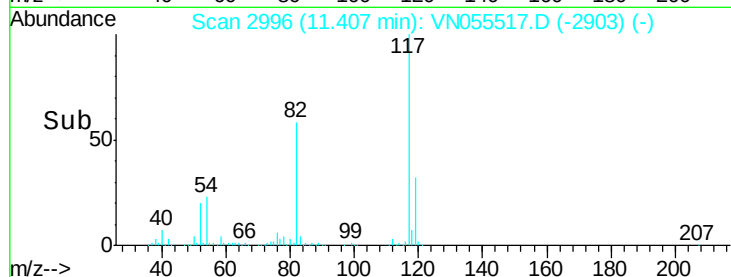
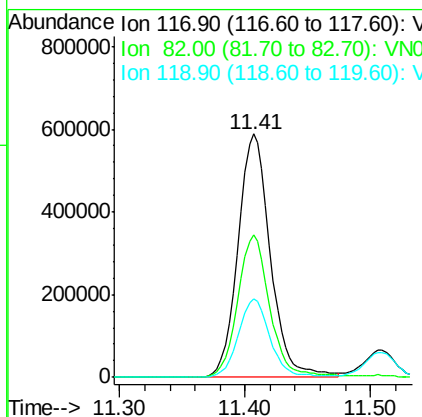
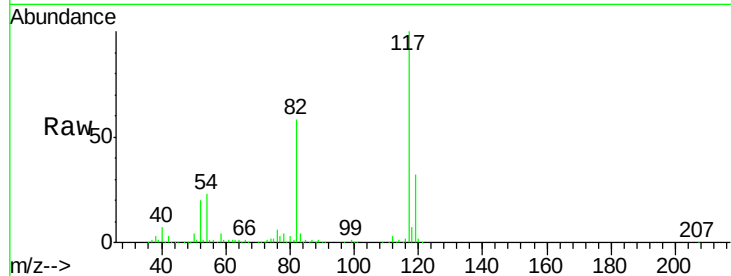
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS02

Tot Ion:117 Resp: 1057343
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.3 26.0 39.0

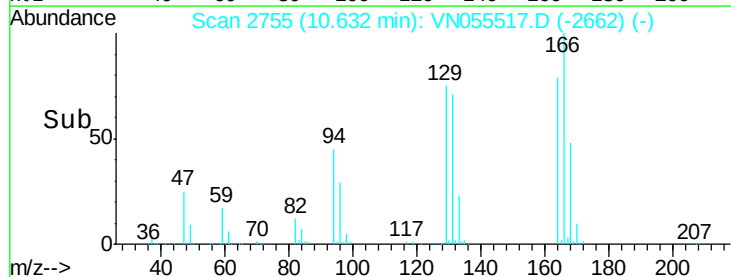
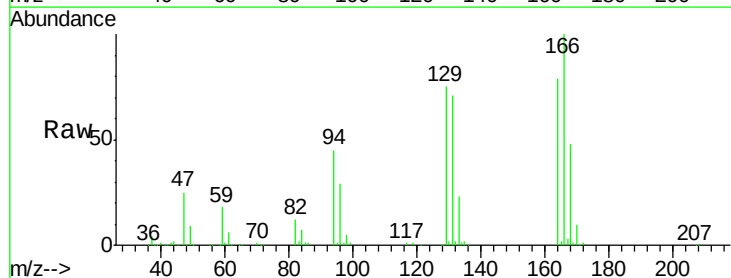
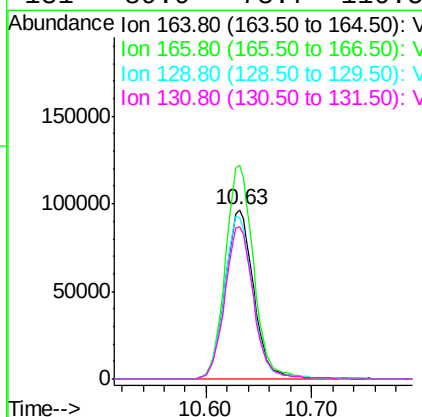
Manual Integrations
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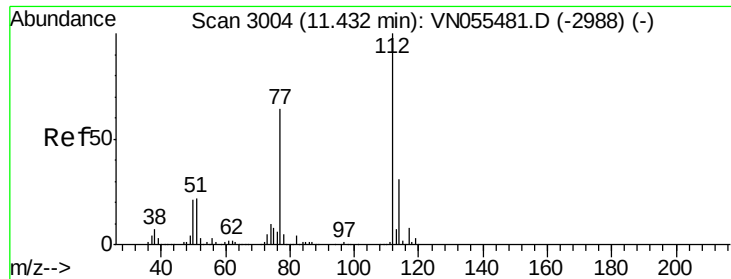
MMDadoda
5/10/2019 12:44:06 PM



#64
Tetrachloroethene
Concen: 20.818 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion:164 Resp: 180363
Ion Ratio Lower Upper
164 100
166 126.1 102.6 153.8
129 95.0 77.0 115.6
131 89.9 73.7 110.5





#65

Chlorobenzene

Concen: 20.113 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS02

Tot Ion:112 Resp: 437527

Ion Ratio Lower Upper

112 100

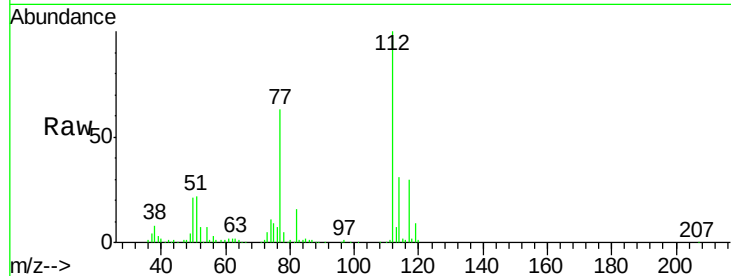
114 30.5 25.0 37.4

Manual Integrations

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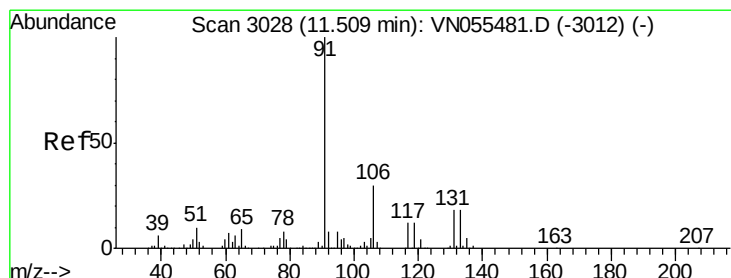
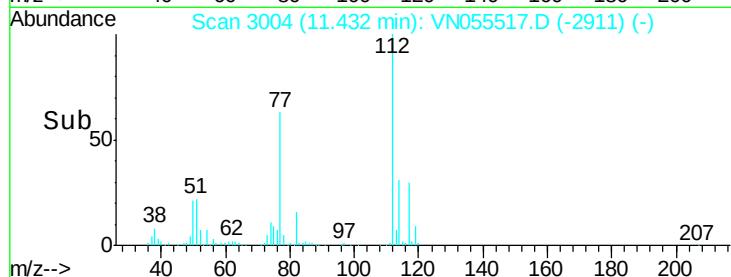
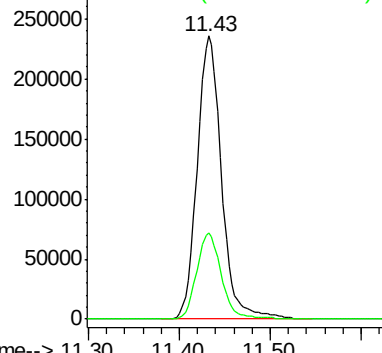
MMDadoda

5/10/2019 12:44:06 PM



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: 20.871 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

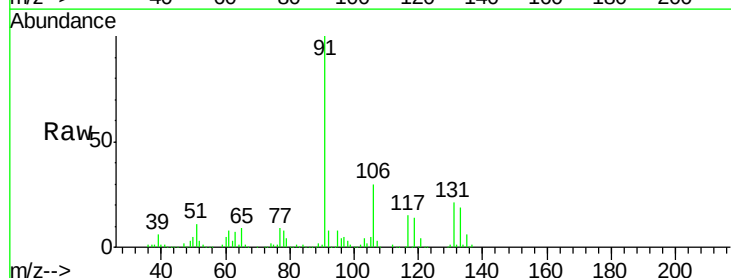
Tgt Ion:131 Resp: 156298

Ion Ratio Lower Upper

131 100

133 92.2 47.4 142.2

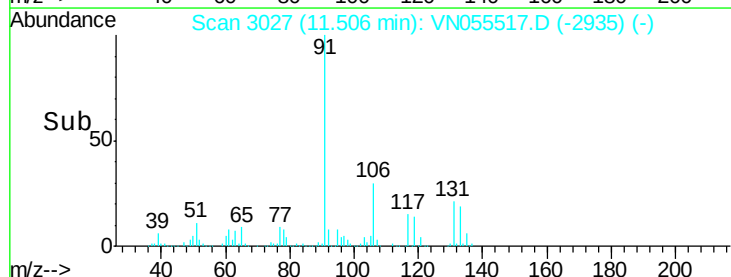
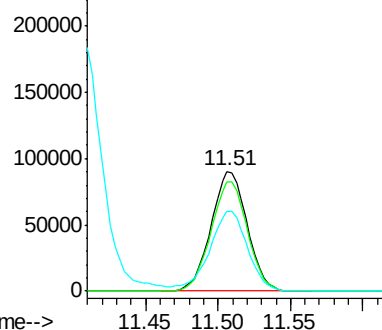
119 69.8 34.1 102.2

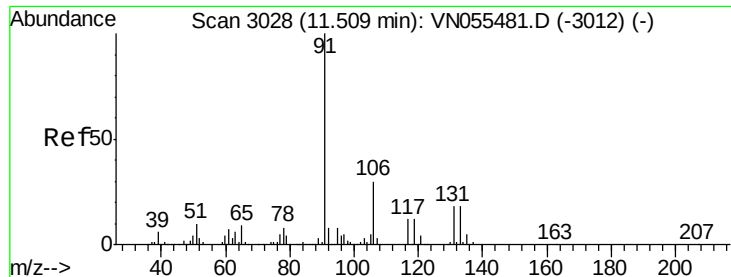


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





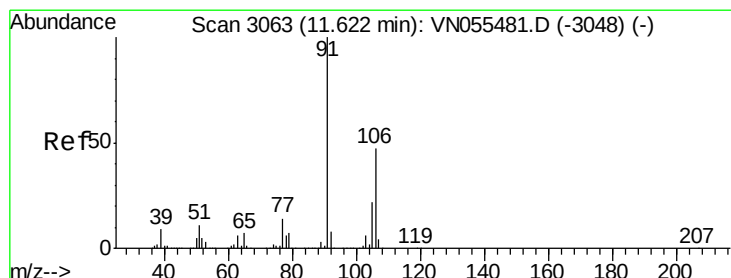
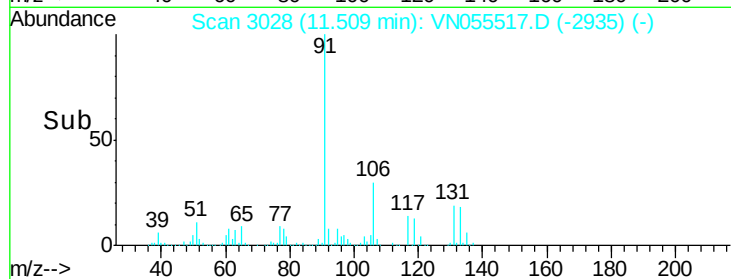
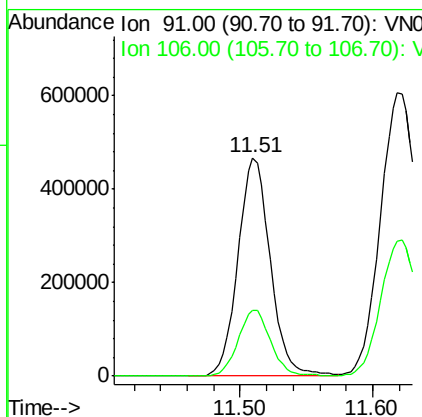
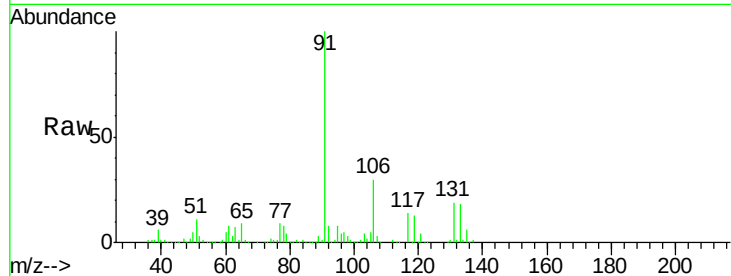
#67
Ethyl Benzene
Concen: 19.413 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion: 91 Resp: 793121
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

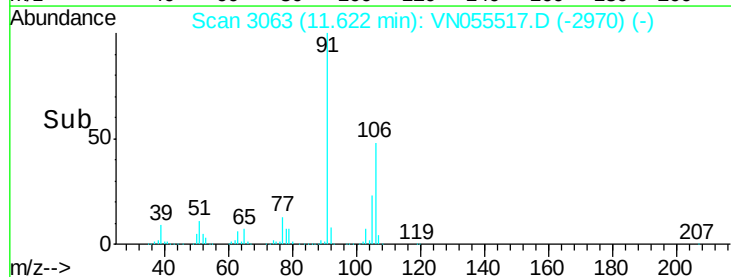
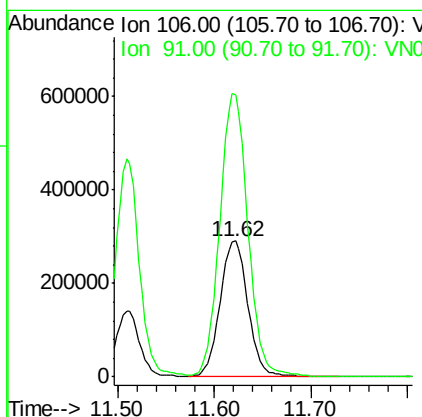
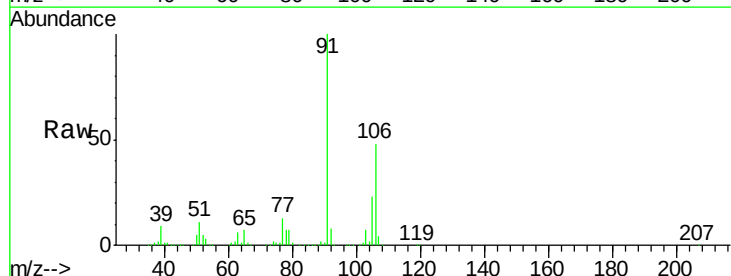
Manual Integrations
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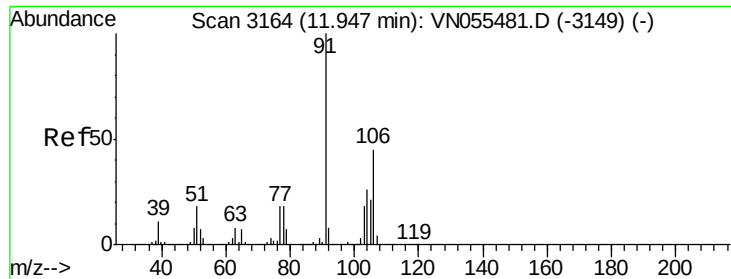
MMDadoda
5/10/2019 12:44:06 PM



#68
m/p-Xylenes
Concen: 39.825 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion: 106 Resp: 583918
Ion Ratio Lower Upper
106 100
91 209.8 169.2 253.8





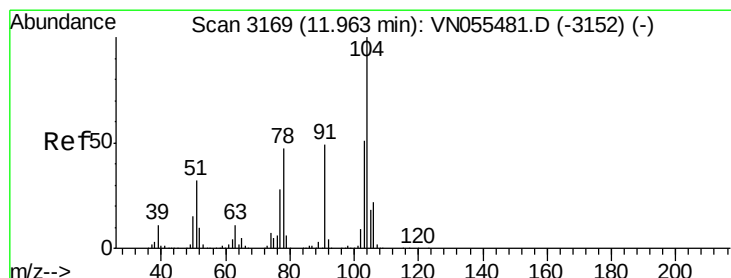
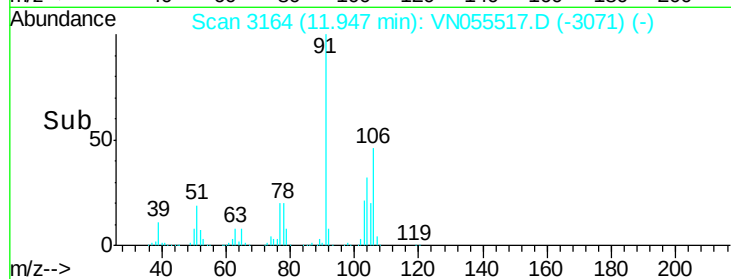
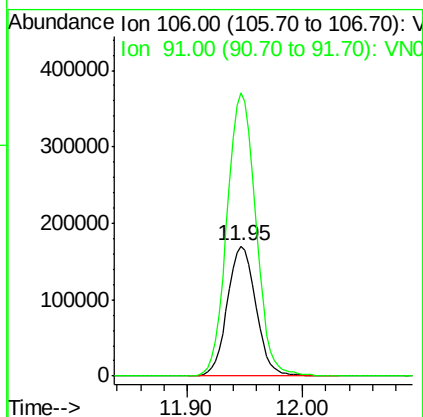
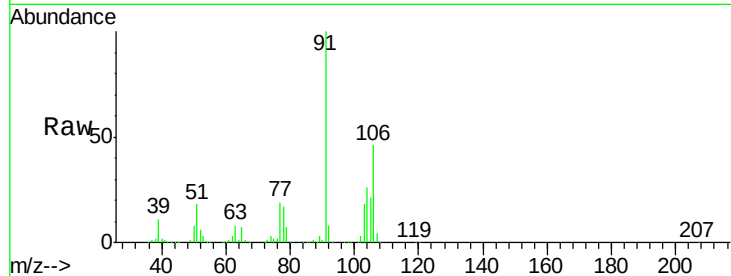
#69
o-Xylene
Concen: 20.130 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	290092		
91	91	220.5	111.3	333.8	

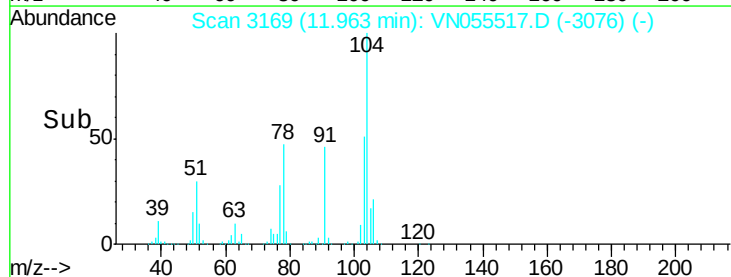
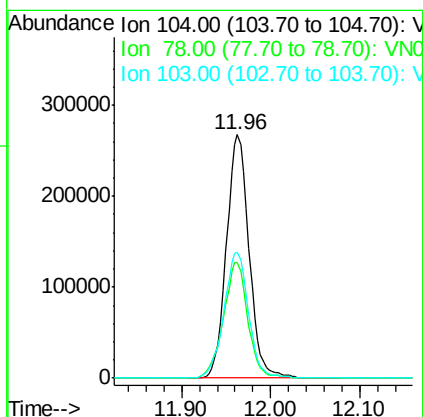
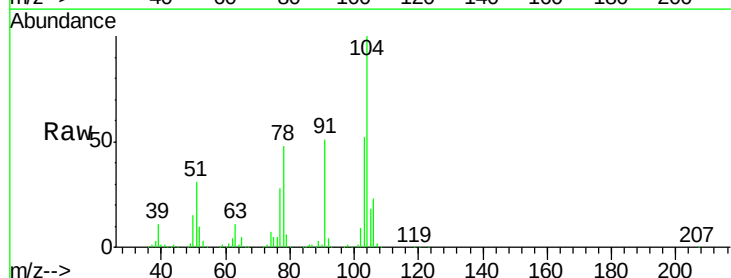
Manual Integrations
APPROVED

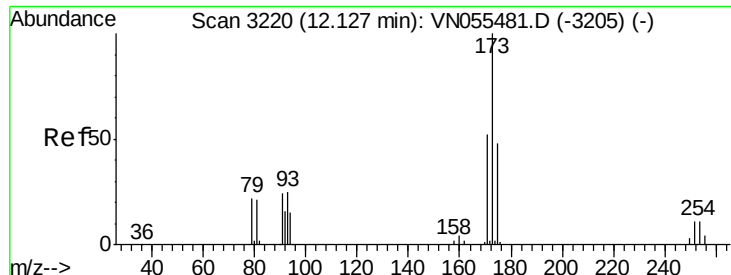
MMDadoda
5/10/2019 12:44:06 PM



#70
Styrene
Concen: 20.376 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	470441		
78	78	51.4	41.6	62.4	
103	103	56.1	44.4	66.6	





#71

Bromoform

Concen: 20.256 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

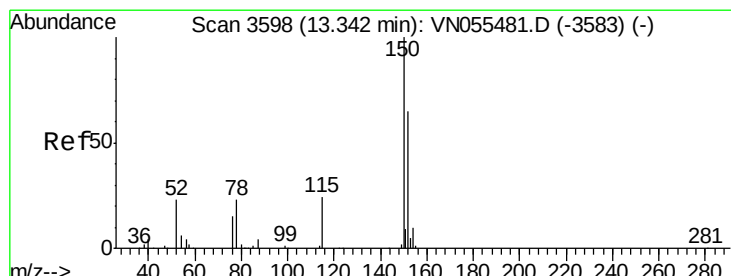
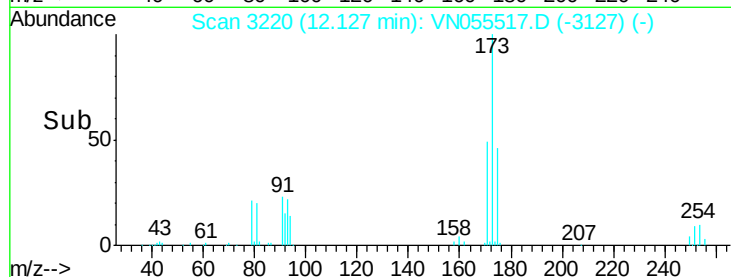
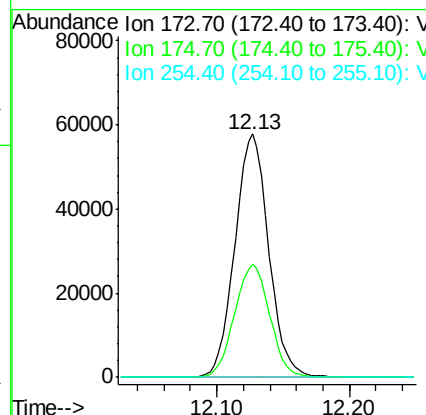
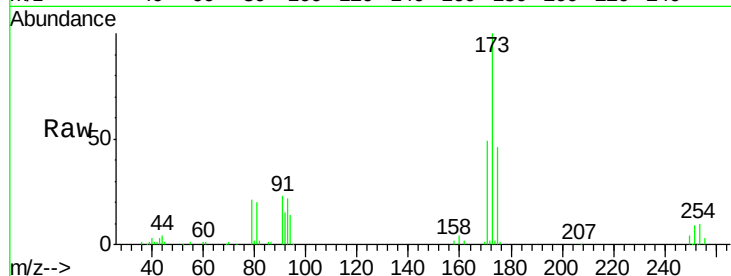
ClientSampleId :

VN0509WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

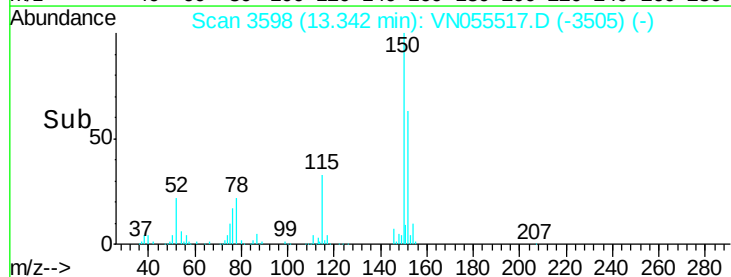
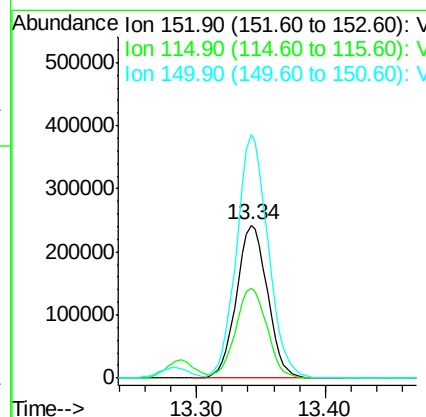
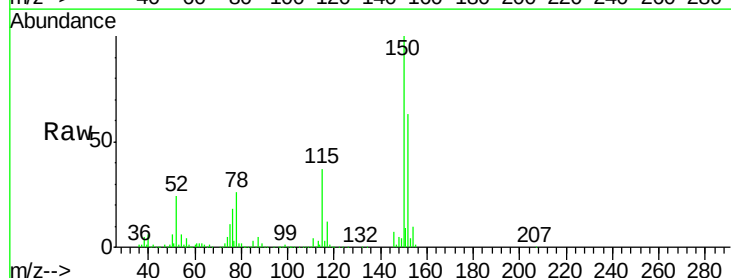
RT: 13.34 min Scan# 3598

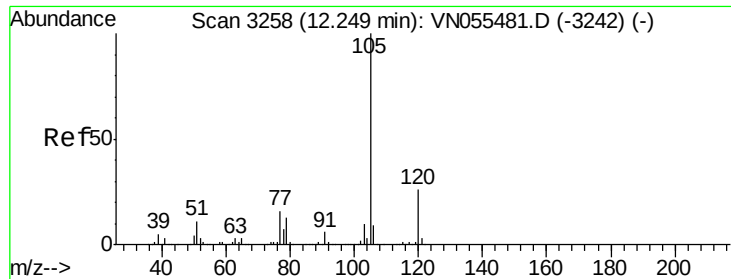
Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.1	90.5
150	162.1	0.0	355.0





#73

Isopropylbenzene

Concen: 21.151 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion:105 Resp: 755054

Ion Ratio Lower Upper

105 100

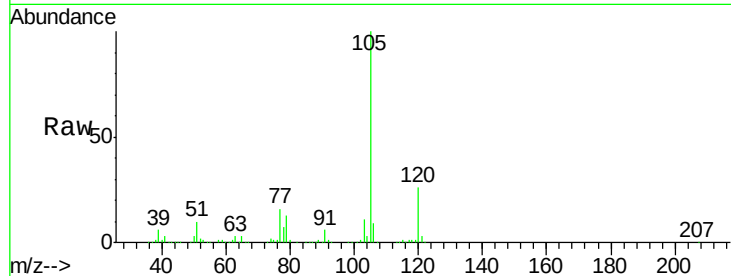
120 26.1 13.0 39.0

Manual Integrations

APPROVED

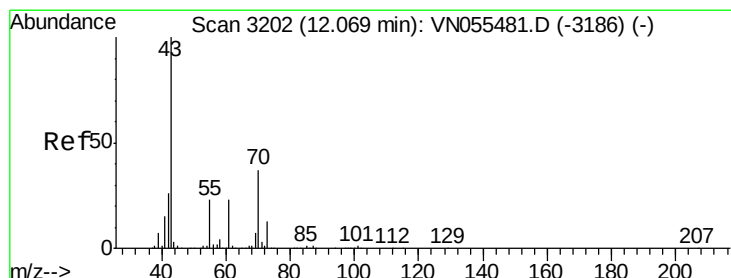
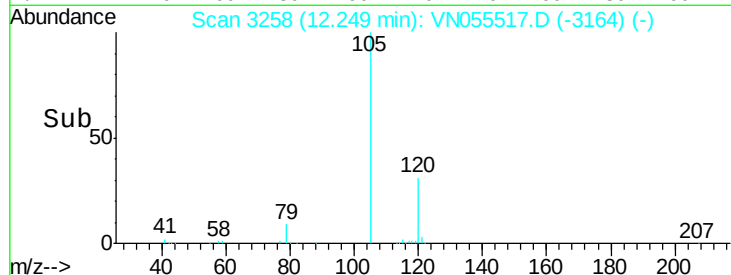
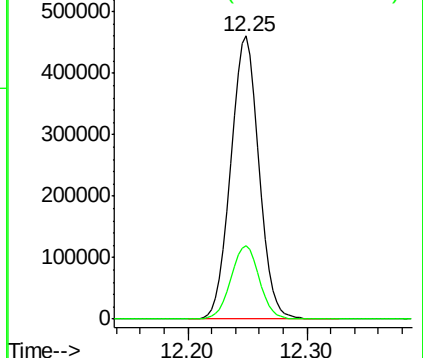
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.930 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion: 43 Resp: 275866

Ion Ratio Lower Upper

43 100

70 39.9 30.7 46.1

55 25.7 19.3 28.9

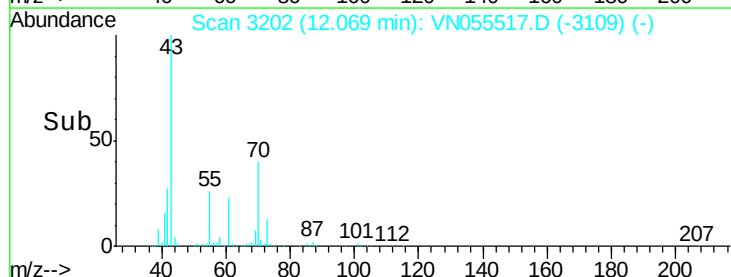
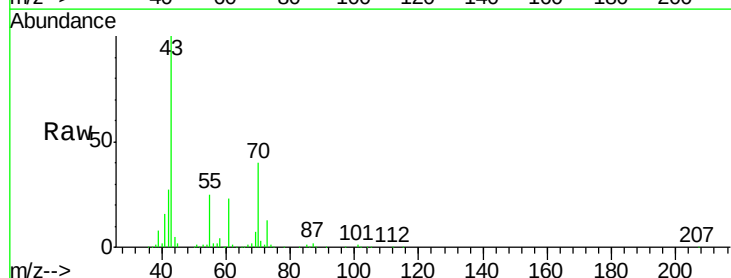
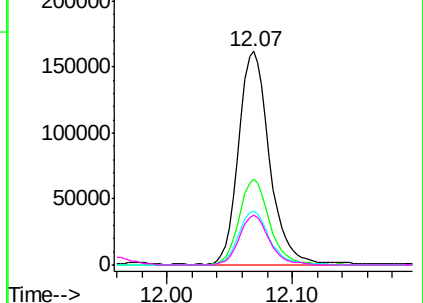
61 22.8 18.6 27.8

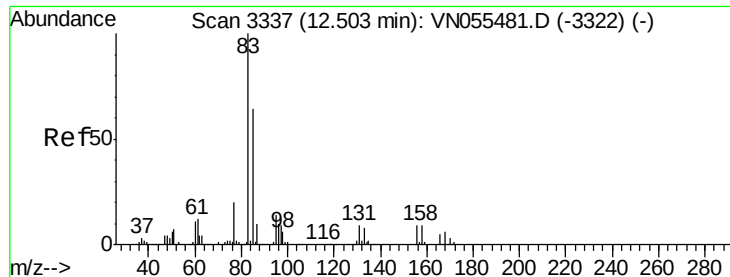
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.629 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

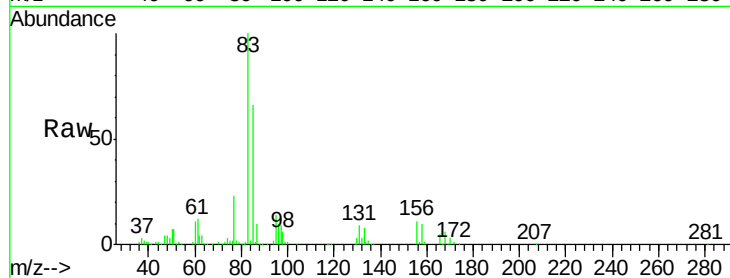
ClientSampled :

VN0509WBS02

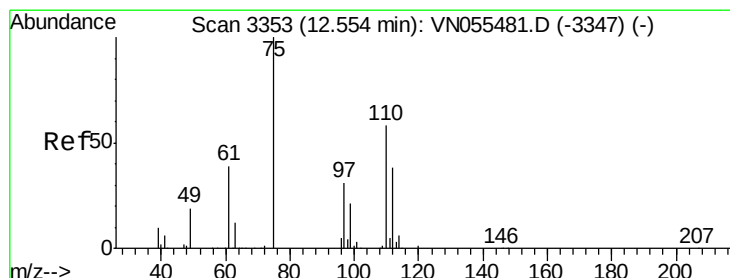
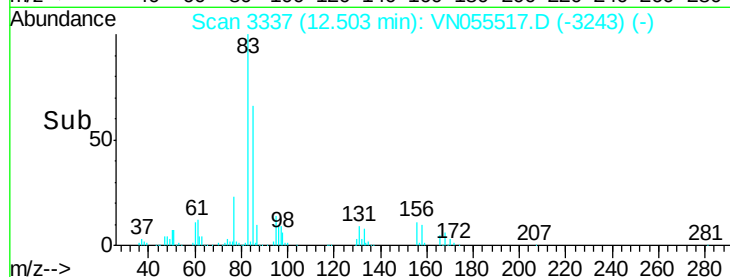
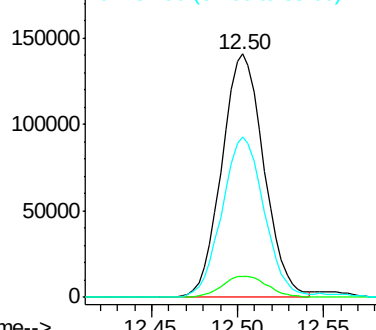
Tot Ion:	83	Resp:	239732
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	65.7	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055517.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 18.934 ug/l m

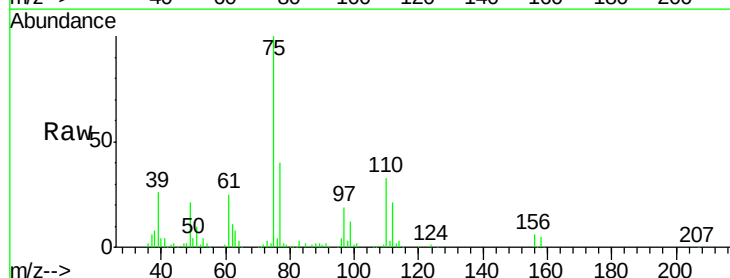
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

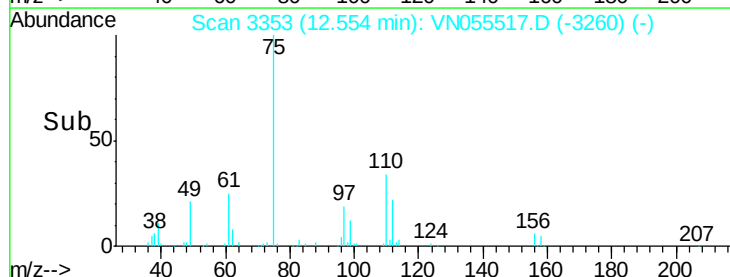
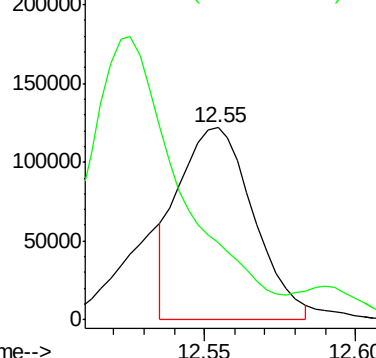
Lab File: VN055517.D

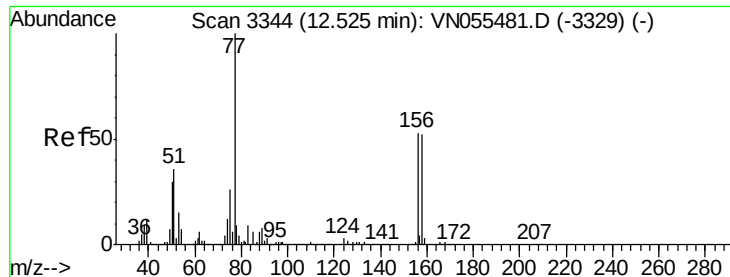
Acq: 10 May 2019 00:24

Tgt Ion:	75	Resp:	208885
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055517.D (-3353) (-)





#77

Bromobenzene

Concen: 19.511 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion:156 Resp: 174253

Ion Ratio Lower Upper

156 100

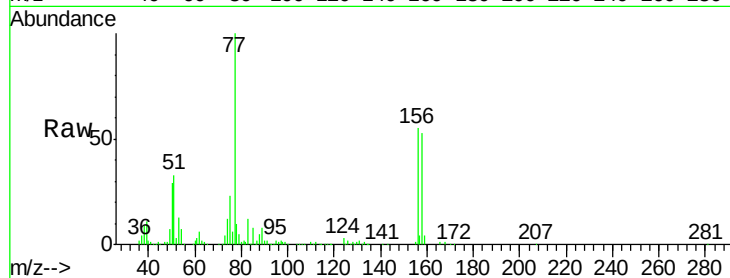
77 221.5 115.4 346.2

158 97.1 48.7 146.1

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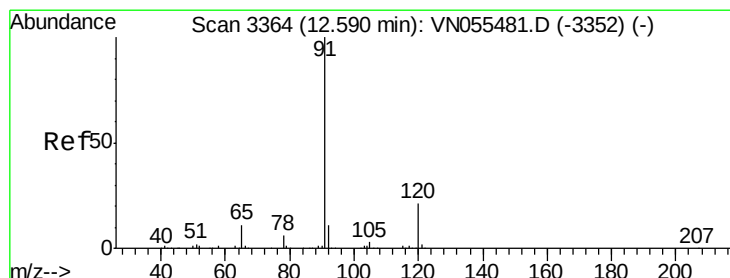
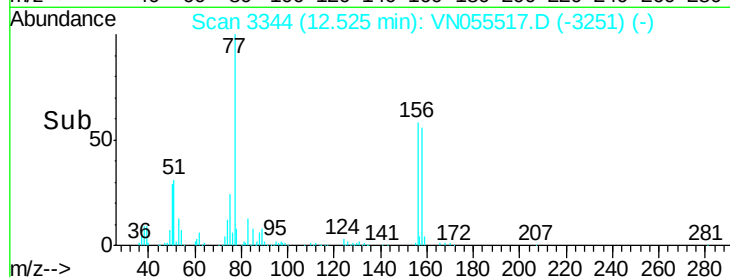
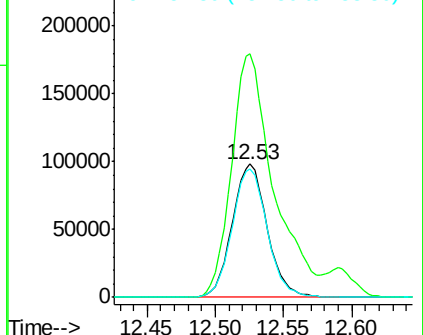
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.154 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055517.D

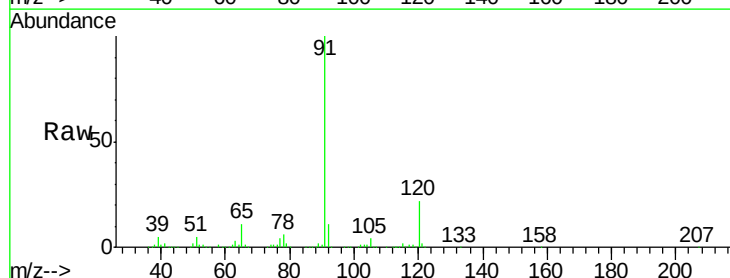
Acq: 10 May 2019 00:24

Tgt Ion: 91 Resp: 832518

Ion Ratio Lower Upper

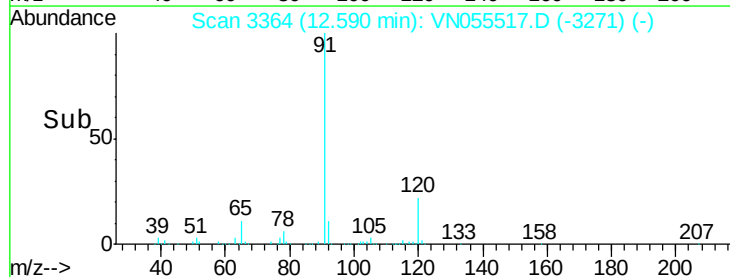
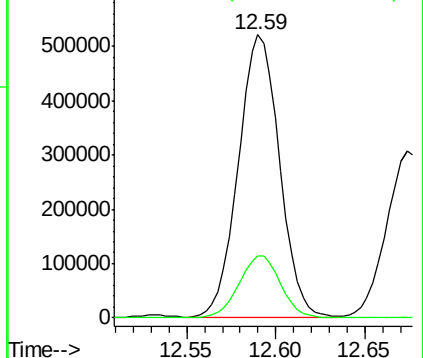
91 100

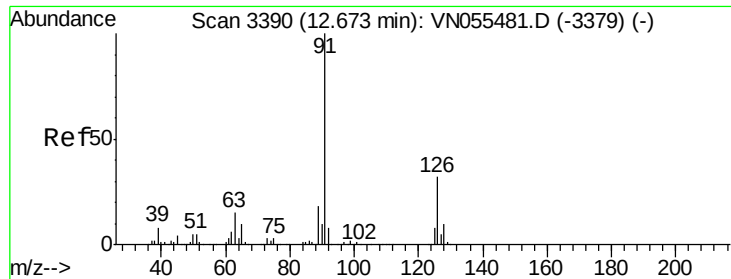
120 22.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.025 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion: 91 Resp: 515331

Ion Ratio Lower Upper

91 100

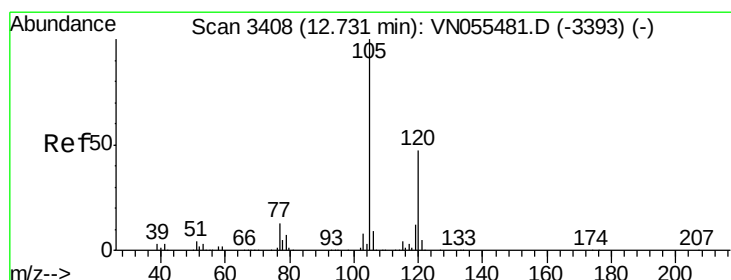
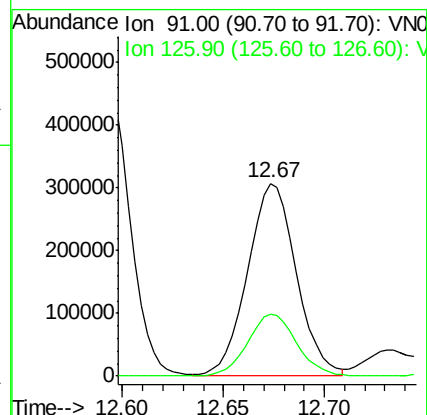
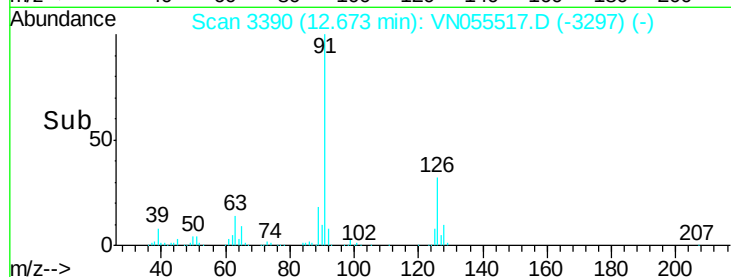
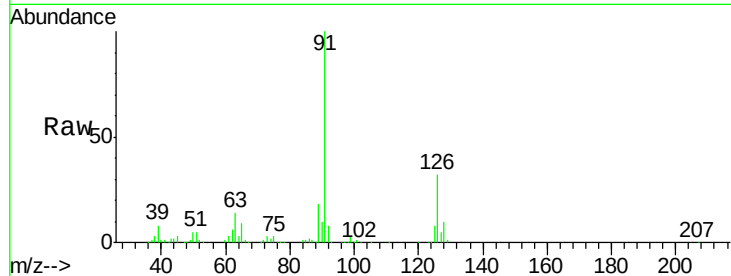
126 32.7 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.555 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055517.D

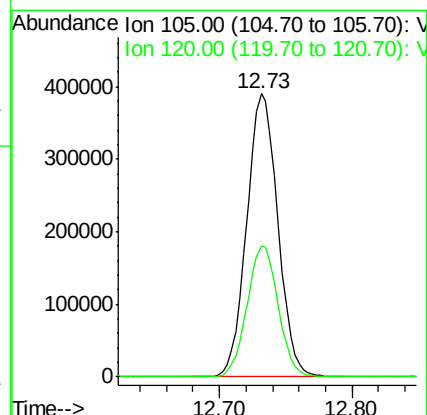
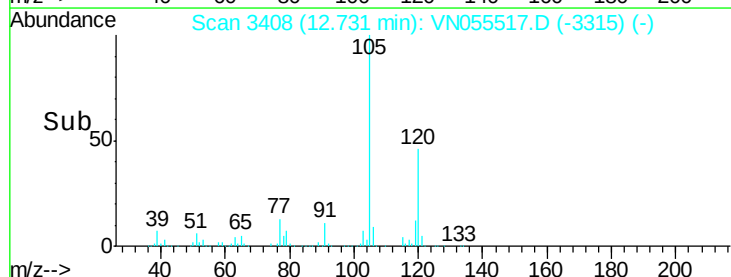
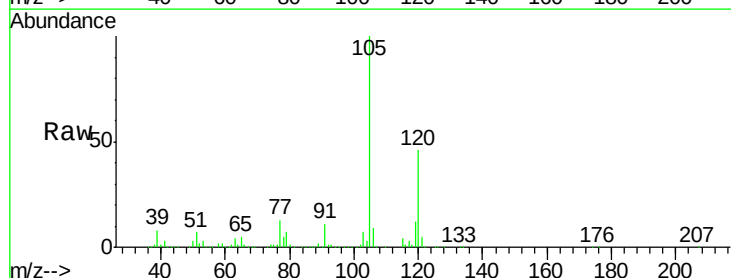
Acq: 10 May 2019 00:24

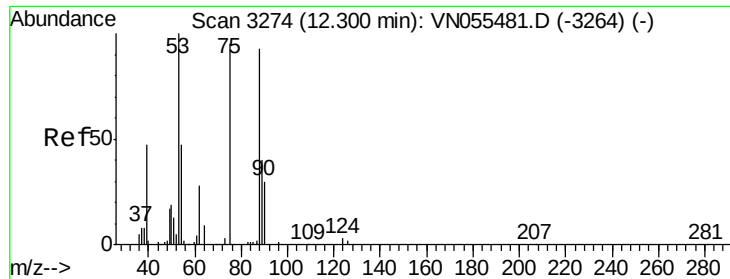
Tgt Ion: 105 Resp: 633767

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.0





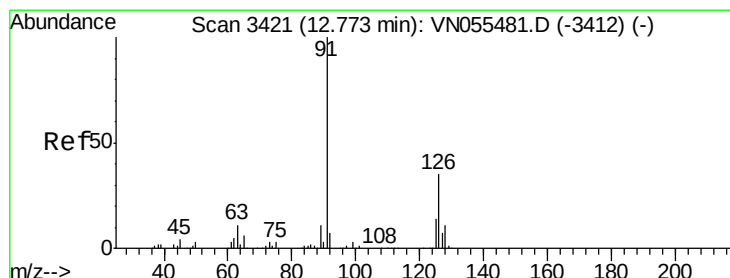
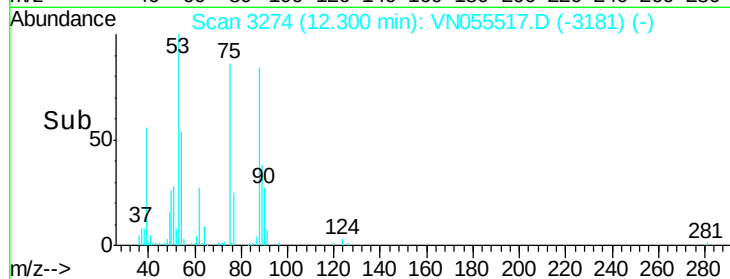
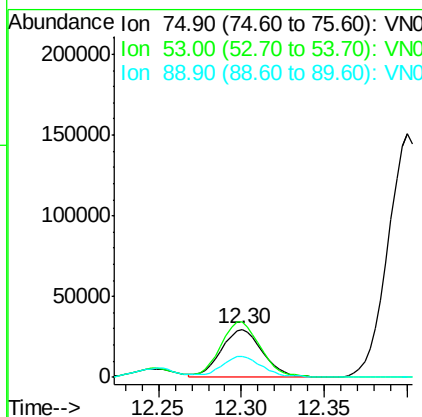
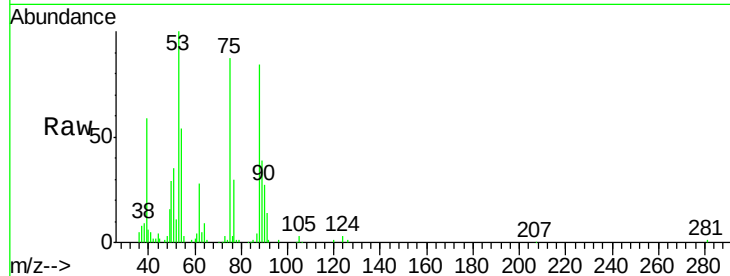
#81
trans-1,4-Dichloro-2-butene
Concen: 17.157 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	86.5	129.7
89	43.8	35.7	53.5

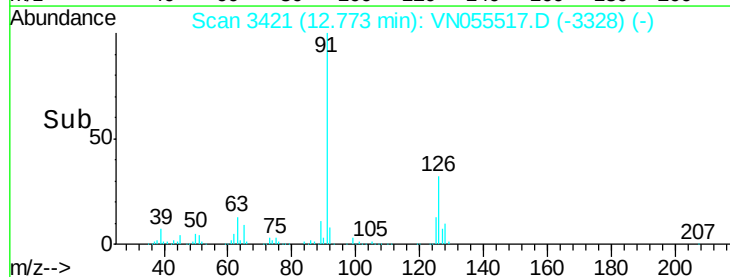
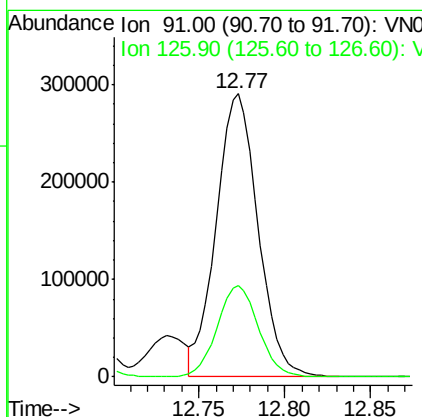
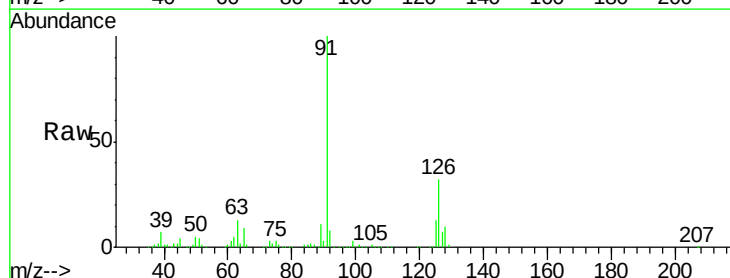
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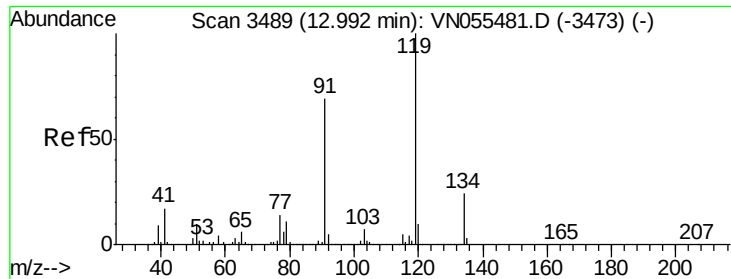
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#82
4-Chlorotoluene
Concen: 19.127 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055517.D
Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





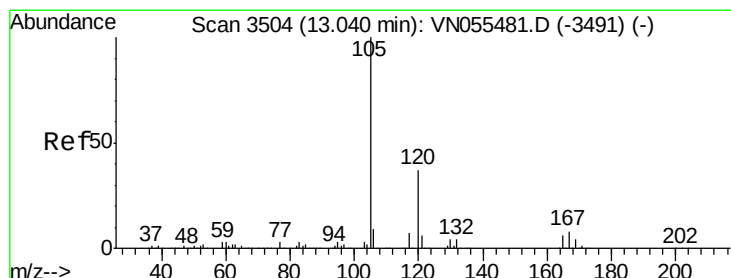
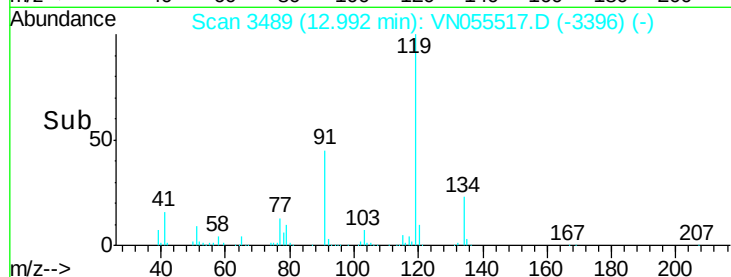
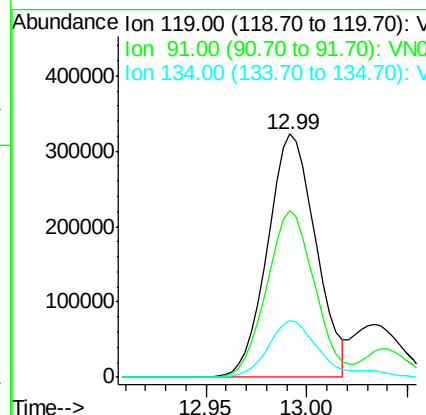
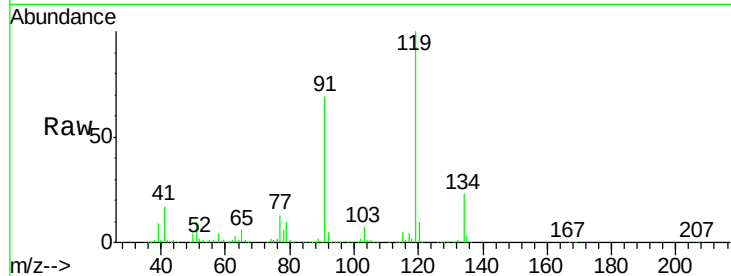
#83
 tert-Butylbenzene
 Concen: 19.280 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.8	101.3
134	23.7	12.5	37.5

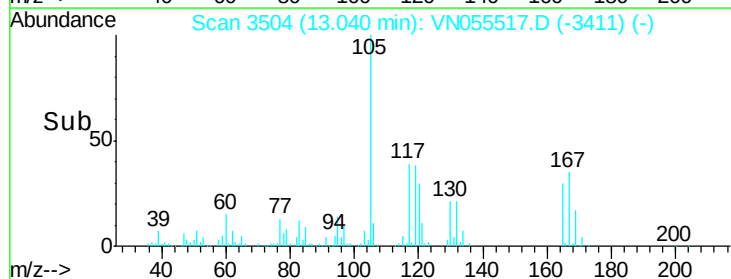
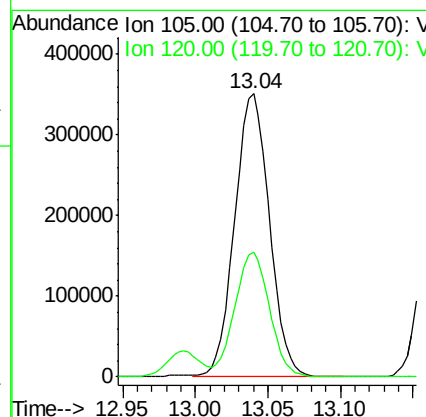
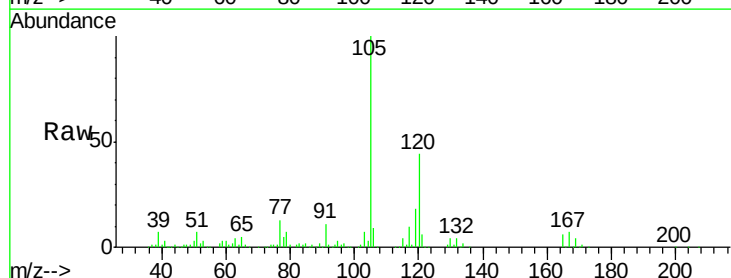
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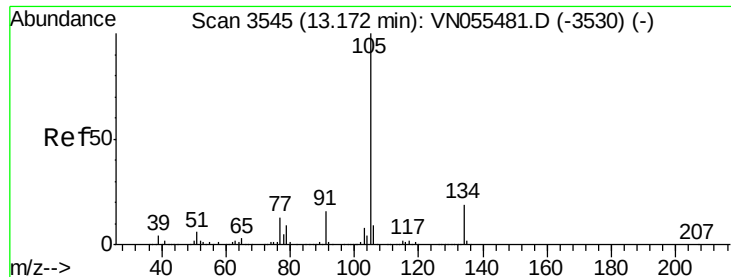
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.609 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.956 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS02

Tot Ion:105 Resp: 699832

Ion Ratio Lower Upper

105 100

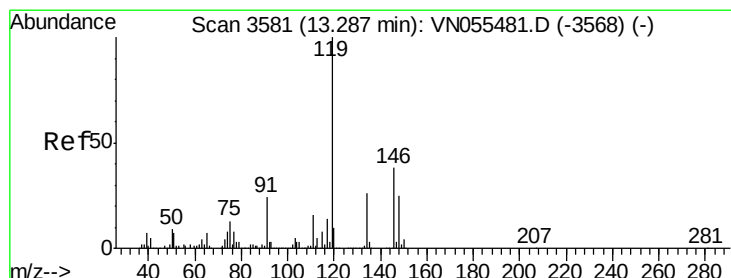
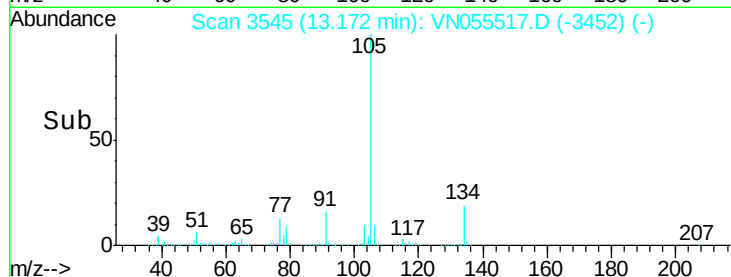
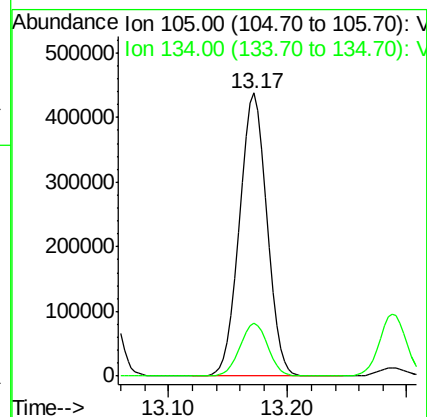
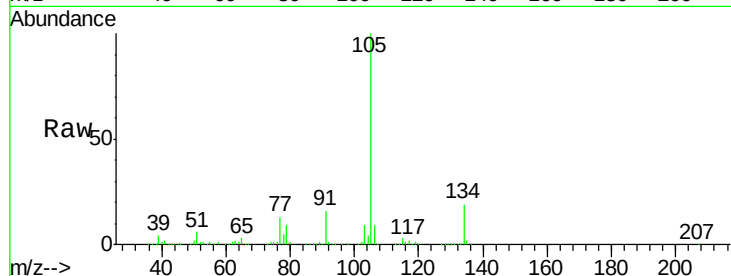
134 19.0 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.801 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

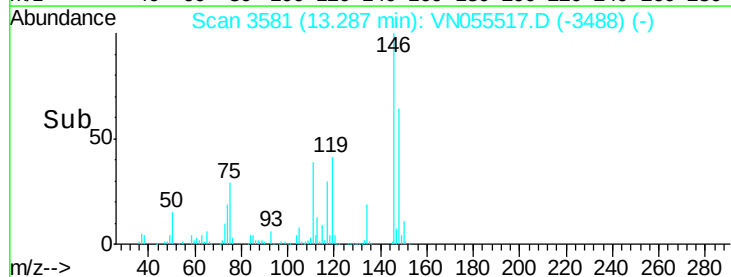
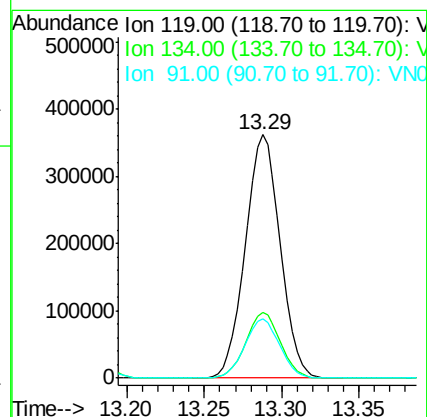
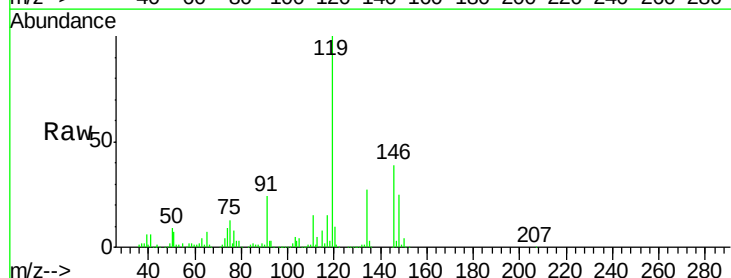
Tgt Ion:119 Resp: 564922

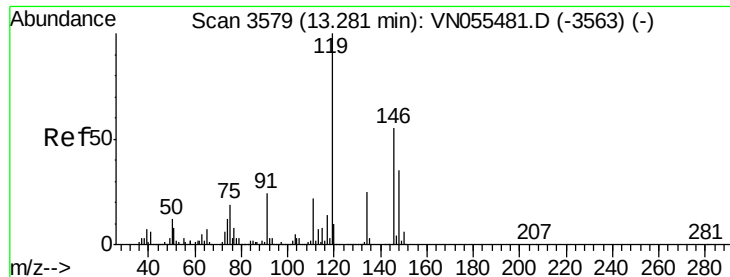
Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.4

91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.703 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

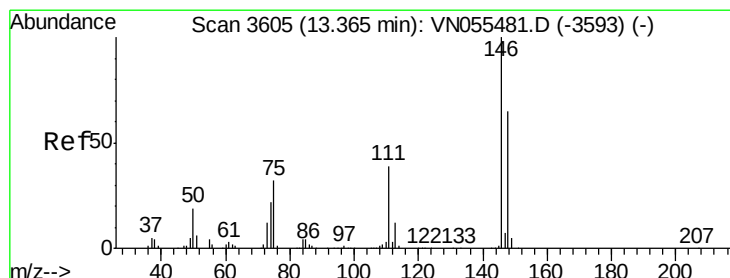
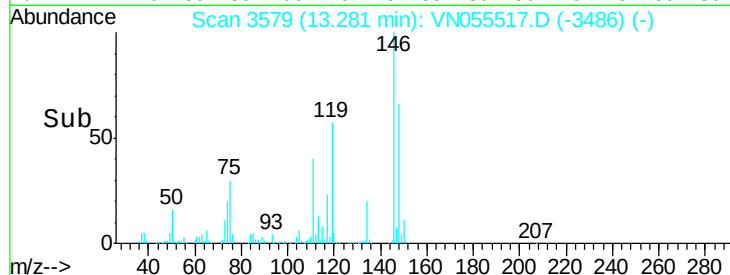
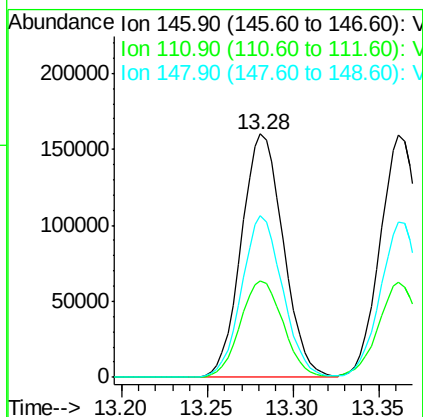
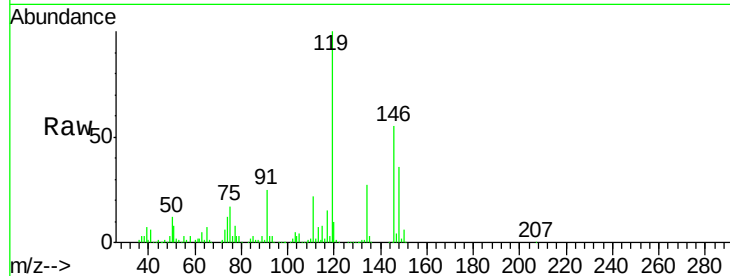
ClientSampleId :

VN0509WBS02

Tot Ion:	146	Resp:	271905
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.4	61.3
148	64.6	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.416 ug/l

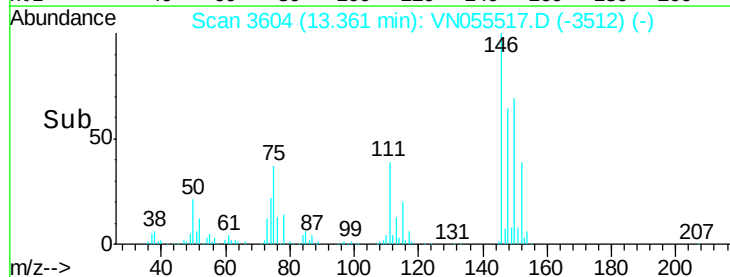
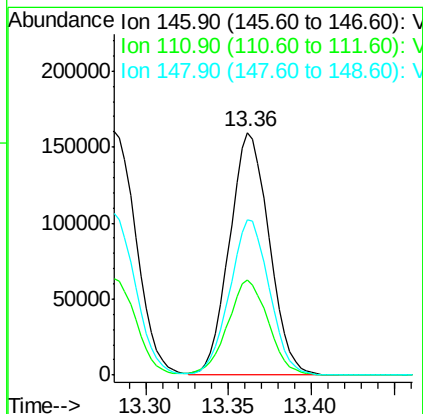
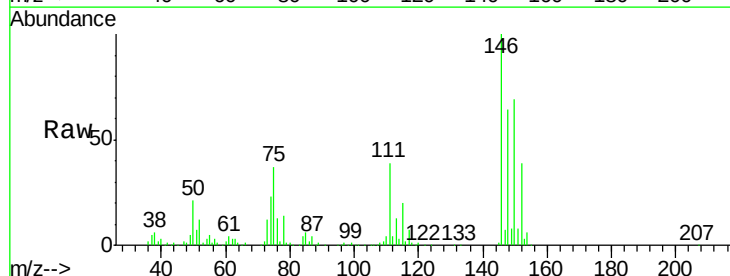
RT: 13.36 min Scan# 3604

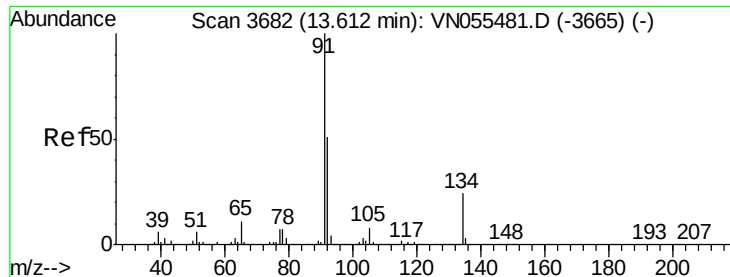
Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	146	Resp:	264432
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.6	58.8
148	64.0	32.5	97.4





#89

n-Butylbenzene

Concen: 17.272 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

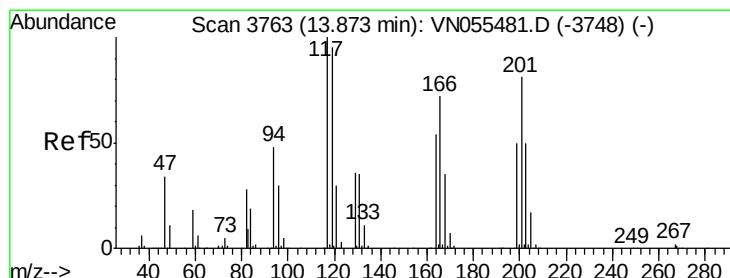
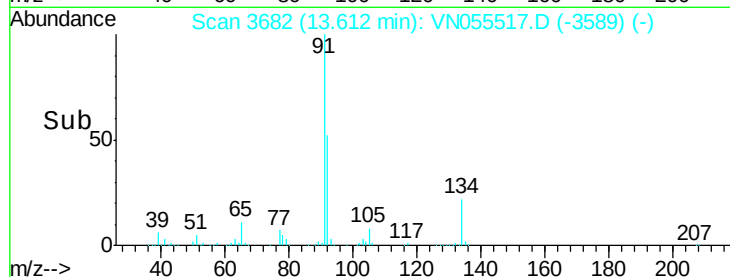
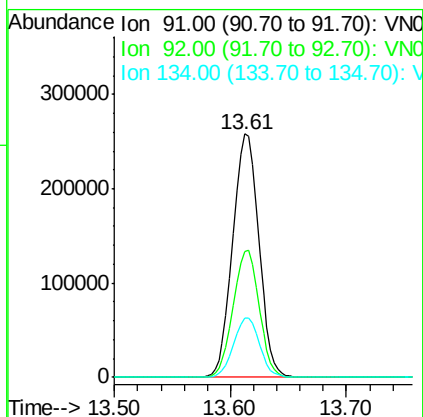
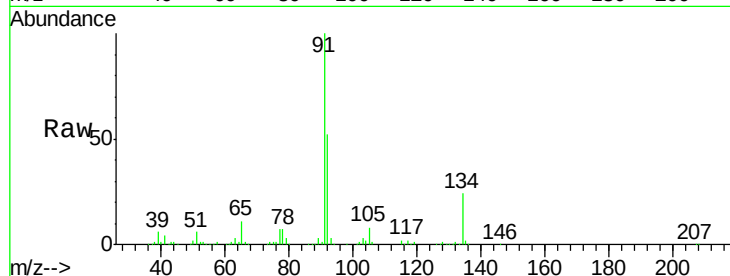
ClientSampleId :

VN0509WBS02

Tot Ion:	91	Resp:	402262
Ion Ratio	Lower	Upper	
91	100		
92	51.8	25.9	77.7
134	24.1	11.8	35.4

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#90

Hexachloroethane

Concen: 19.119 ug/l

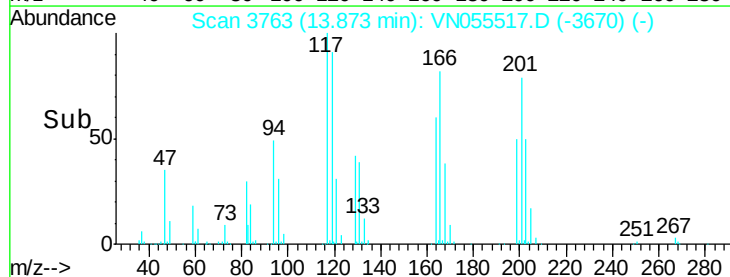
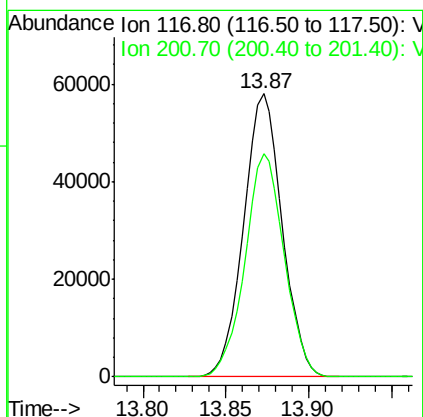
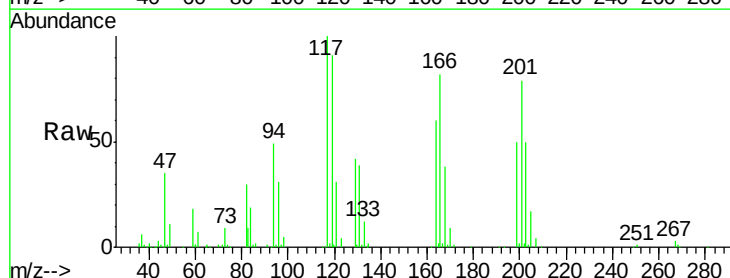
RT: 13.87 min Scan# 3763

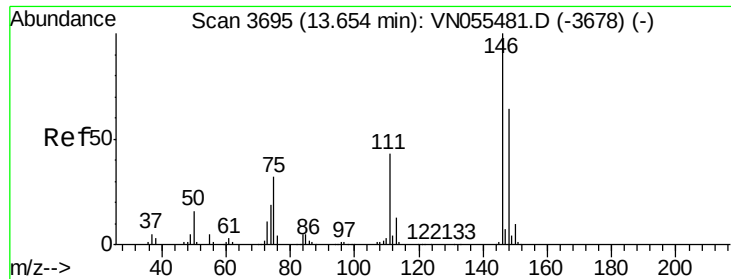
Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	117	Resp:	93710
Ion Ratio	Lower	Upper	
117	100		
201	80.2	40.1	120.2





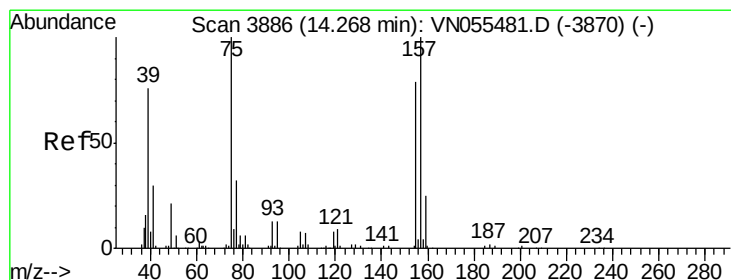
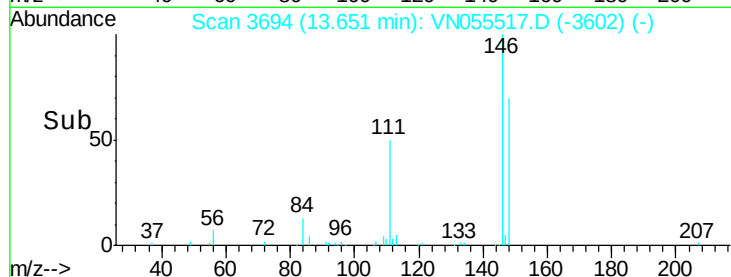
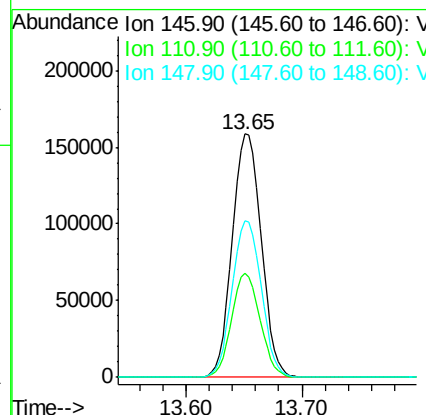
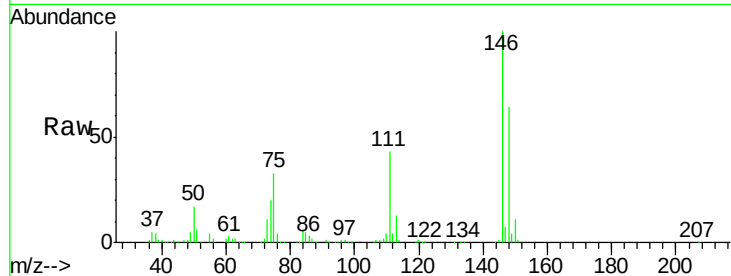
#91
 1,2-Dichlorobenzene
 Concen: 19.894 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	64.8	31.9	95.9

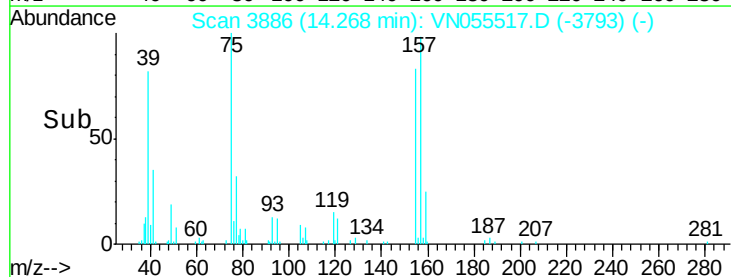
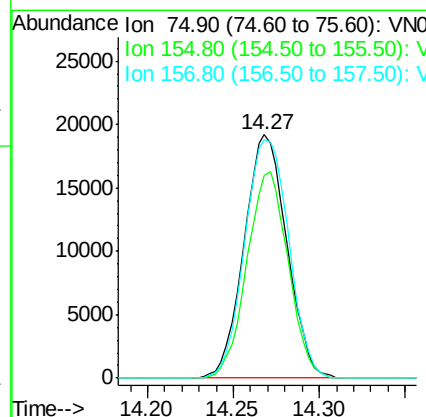
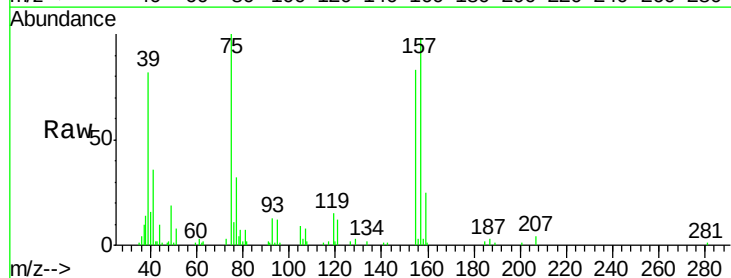
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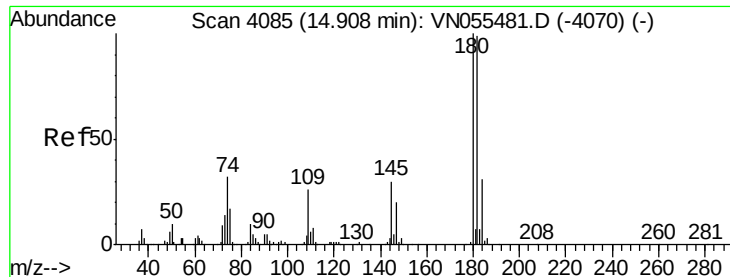
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.813 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	39.3	117.8
157	101.0	50.6	151.8





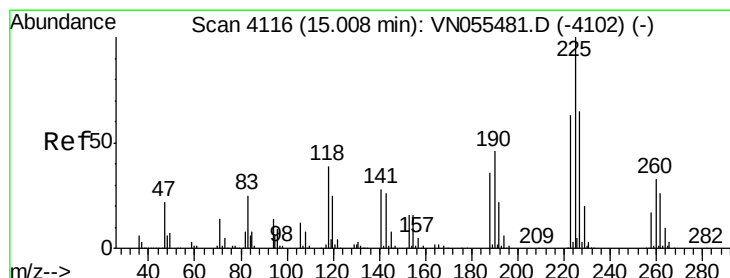
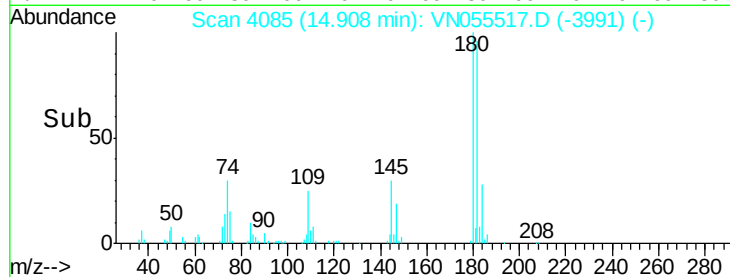
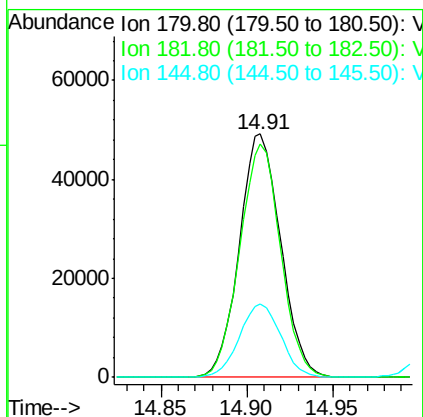
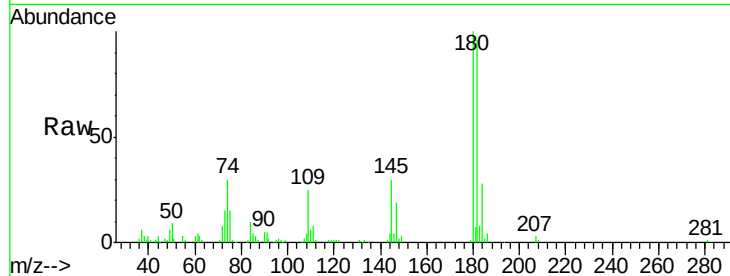
#93
 1,2,4-Trichlorobenzene
 Concen: 15.969 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.7	146.1
145	30.3	15.3	45.9

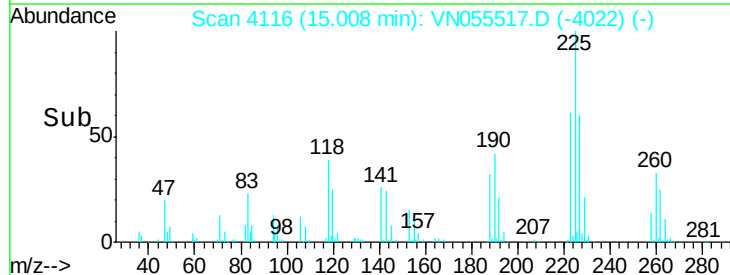
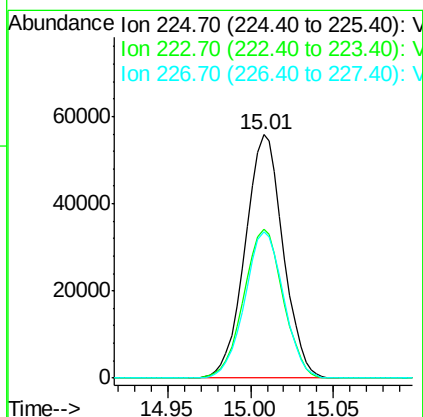
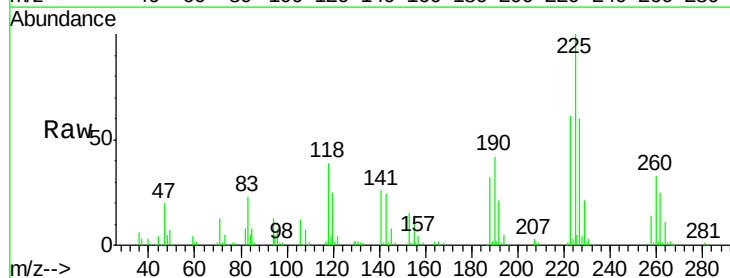
Manual Integrations
 APPROVED

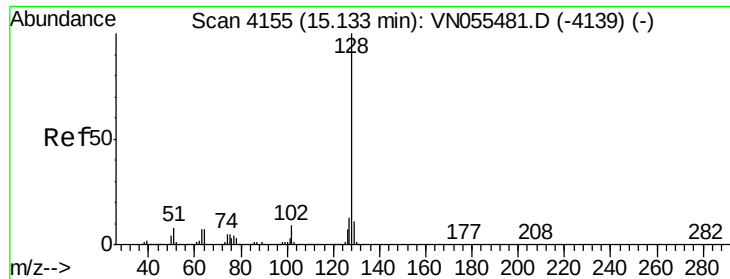
MMDadoda
 5/10/2019 12:44:06 PM



#94
 Hexachlorobutadiene
 Concen: 20.408 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055517.D
 Acq: 10 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.3
227	61.3	32.0	96.0





#95

Naphthalene

Concen: 15.302 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Instrument :

MSVOA_N

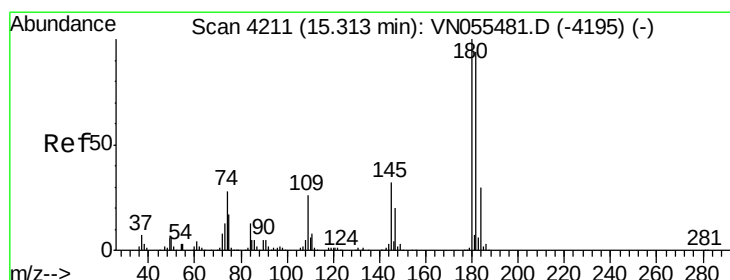
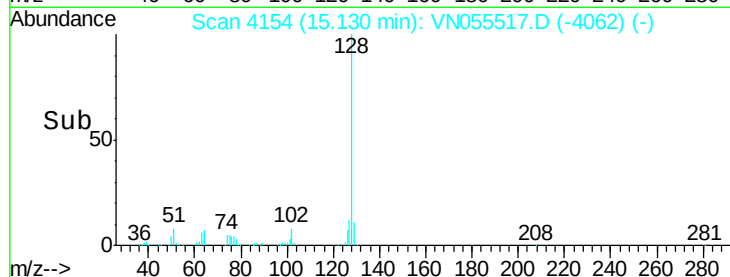
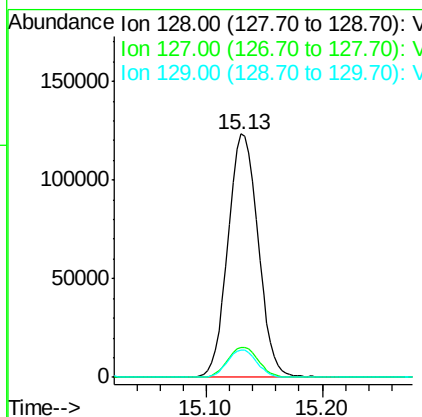
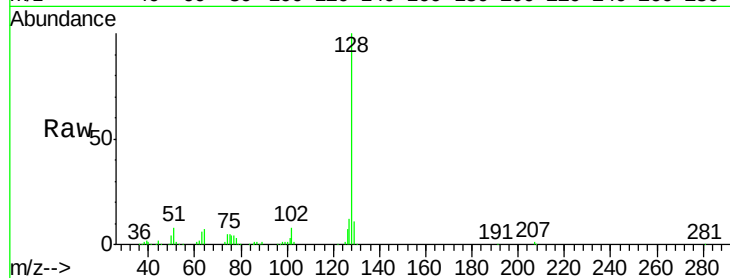
ClientSampleId :

VN0509WBS02

Tot Ion:	128	Resp:	221967
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 12:44:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.202 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055517.D

Acq: 10 May 2019 00:24

Tgt Ion:	180	Resp:	94168
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	32.9	15.8	47.4

