

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054662.D
 Acq On : 25 Mar 2019 10:36
 Operator : JC/SP
 Sample : VN0325WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:32:50 PM

Quant Time: Mar 26 01:54:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	429751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	687634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	277881	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	7.59	113	217817	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.09	98	804912	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	269861	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84334	20.528	ug/l	98
3) Chloromethane	2.06	50	111841	20.008	ug/l	97
4) Vinyl Chloride	2.19	62	103381	18.421	ug/l	99
5) Bromomethane	2.57	94	57908	15.958	ug/l	98
6) Chloroethane	2.71	64	58021	17.237	ug/l	98
7) Trichlorofluoromethane	3.02	101	129814	19.047	ug/l	99
8) Diethyl Ether	3.41	74	43461	16.581	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71082	17.746	ug/l	92
10) Methyl Iodide	3.94	142	91858	15.590	ug/l #	87
11) Tert butyl alcohol	4.82	59	32414	100.160	ug/l	100
12) 1,1-Dichloroethene	3.73	96	67244	16.222	ug/l #	77
13) Acrolein	3.61	56	40993	91.788	ug/l	100
14) Allyl chloride	4.32	41	153188	19.626	ug/l #	91
15) Acrylonitrile	5.00	53	165330	102.587	ug/l	98
16) Acetone	3.82	43	173307	107.838	ug/l #	86
17) Carbon Disulfide	4.04	76	186792	16.818	ug/l	97
18) Methyl Acetate	4.33	43	76409	21.331	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	241528	19.966	ug/l	96
20) Methylene Chloride	4.54	84	91008	19.210	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	81239	19.194	ug/l #	84
22) Diisopropyl ether	5.96	45	320936	20.845	ug/l #	95
23) Vinyl Acetate	5.90	43	1124289	103.394	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	170967	20.624	ug/l	98
25) 2-Butanone	6.85	43	227276	110.398	ug/l	89
26) 2,2-Dichloropropane	6.82	77	119023	20.141	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95720	18.960	ug/l	86
28) Bromochloromethane	7.20	49	84535	20.717	ug/l #	72
29) Tetrahydrofuran	7.22	42	141996	106.288	ug/l #	84
30) Chloroform	7.37	83	165637	20.474	ug/l	95
31) Cyclohexane	7.65	56	160707	19.083	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	134976	20.223	ug/l	94
36) 1,1-Dichloropropene	7.79	75	123191	19.161	ug/l	96
37) Ethyl Acetate	6.94	43	93140	20.368	ug/l	97
38) Carbon Tetrachloride	7.77	117	113718	18.201	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140009	19.037	ug/l	91
40) Benzene	8.04	78	361538	19.665	ug/l	97
41) Methacrylonitrile	7.18	41	47067	16.877	ug/l	94
42) 1,2-Dichloroethane	8.13	62	132839	19.840	ug/l	98
43) Isopropyl Acetate	8.17	43	156162	20.221	ug/l #	94
44) Trichloroethene	8.83	130	94555	18.499	ug/l	92
45) 1,2-Dichloropropane	9.12	63	100592	20.376	ug/l	98
46) Dibromomethane	9.21	93	57802	19.626	ug/l	89
47) Bromodichloromethane	9.40	83	120507	19.715	ug/l	95
48) Methyl methacrylate	9.20	41	79995	19.084	ug/l	88
49) 1,4-Dioxane	9.20	88	17677	377.225	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	438303	102.406	ug/l	94
52) Toluene	10.16	92	215376	19.047	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	104899	17.775	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	134737	19.225	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	79659	19.598	ug/l	98
56) Ethyl methacrylate	10.43	69	102930	18.866	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	142519	20.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	144581	64.357	ug/l #	88
59) 2-Hexanone	10.75	43	292806	104.735	ug/l	90
60) Dibromochloromethane	10.90	129	79970	18.489	ug/l	98
61) 1,2-Dibromoethane	11.00	107	76001	18.913	ug/l	100
64) Tetrachloroethene	10.63	164	93309	19.275	ug/l	97
65) Chlorobenzene	11.43	112	227026	19.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83661	19.635	ug/l	98
67) Ethyl Benzene	11.51	91	407891	19.453	ug/l	97
68) m/p-Xylenes	11.62	106	302991	38.149	ug/l	96
69) o-Xylene	11.95	106	146359	18.869	ug/l	95
70) Styrene	11.96	104	240099	19.061	ug/l	97
71) Bromoform	12.13	173	46412	17.319	ug/l #	99
73) Isopropylbenzene	12.25	105	389327	19.668	ug/l	98
74) N-amyl acetate	12.07	43	116581	20.482	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	94911	21.004	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82476m	21.158	ug/l	
77) Bromobenzene	12.53	156	94389	19.226	ug/l	87
78) n-propylbenzene	12.59	91	424486	19.776	ug/l	96
79) 2-Chlorotoluene	12.67	91	259025	19.351	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	313748	19.339	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17560	17.716	ug/l #	72
82) 4-Chlorotoluene	12.77	91	251456	19.381	ug/l	96
83) tert-Butylbenzene	12.99	119	269449	19.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	306293	19.241	ug/l	100
85) sec-Butylbenzene	13.17	105	350399	19.904	ug/l	98
86) p-Isopropyltoluene	13.29	119	308129	19.564	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	156041	19.180	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	147536	18.638	ug/l	97
89) n-Butylbenzene	13.61	91	244008	19.814	ug/l	97
90) Hexachloroethane	13.87	117	47818	19.560	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	151183	19.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13650	20.595	ug/l	80

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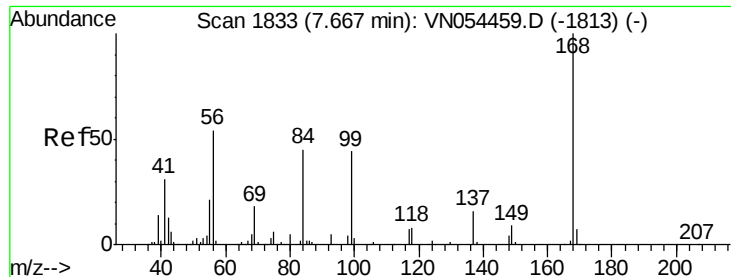
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68137	17.345	ug/l	99
94) Hexachlorobutadiene	15.01	225	53253	22.778	ug/l	99
95) Naphthalene	15.13	128	149346	17.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67869	17.359	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion:168 Resp: 429751

Ion Ratio Lower Upper

168 100

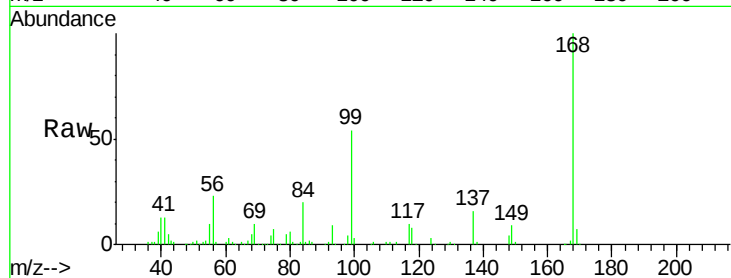
99 52.8 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

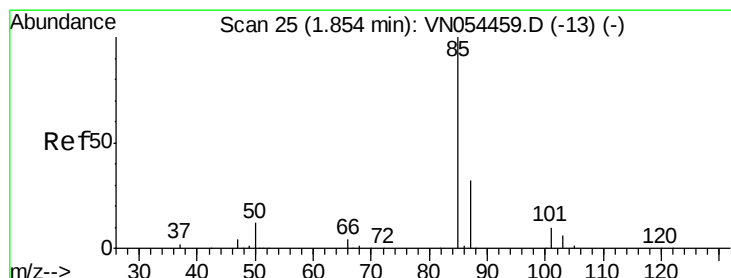
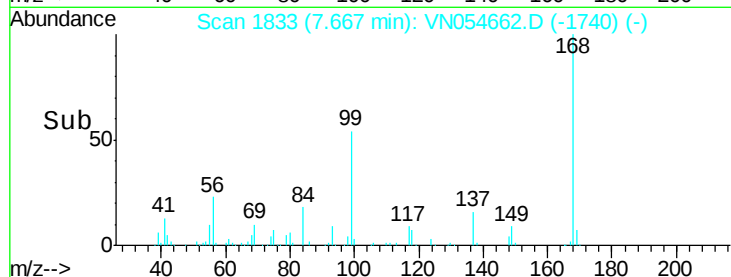
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.528 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054662.D

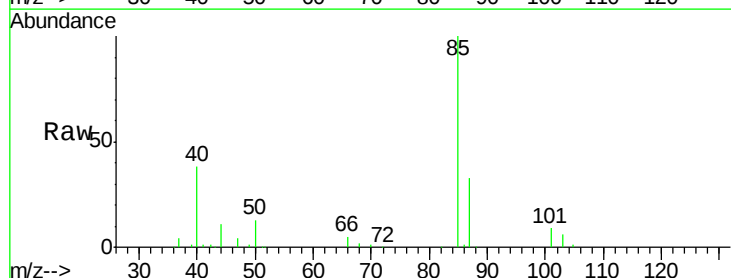
Acq: 25 Mar 2019 10:36

Tgt Ion: 85 Resp: 84334

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

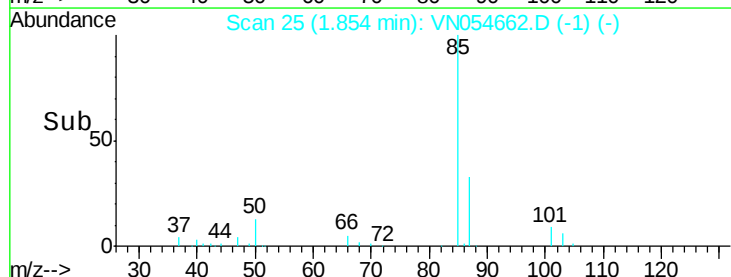
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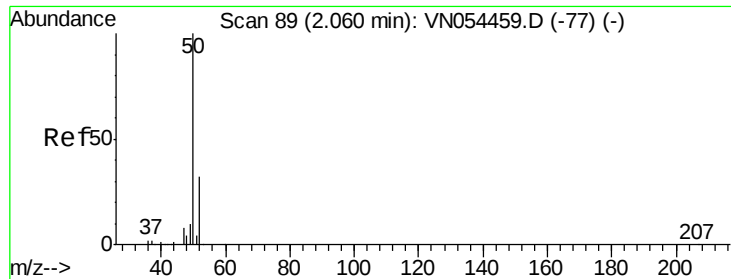
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.008 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tot Ion: 50 Resp: 111841

Ion Ratio Lower Upper

50 100

52 31.5 26.4 39.6

Instrument :

MSVOA_N

ClientSampled :

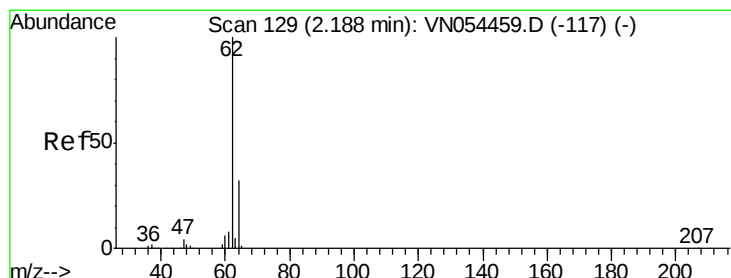
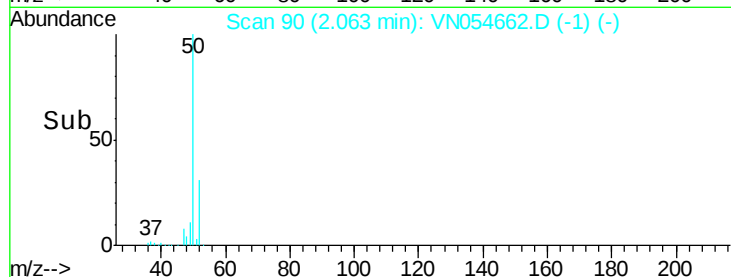
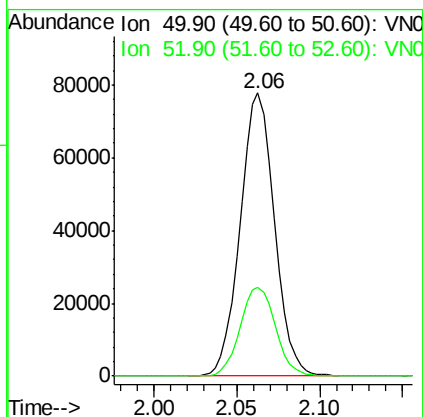
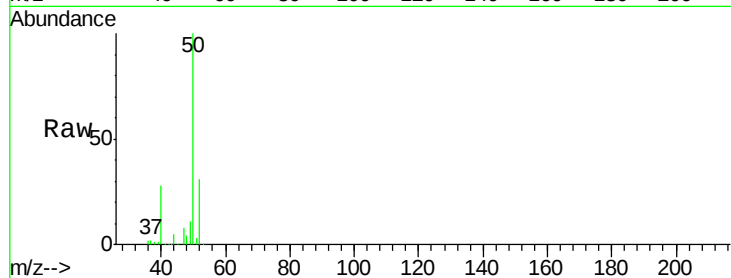
VN0325WBS01

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#4

Vinyl Chloride

Concen: 18.421 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054662.D

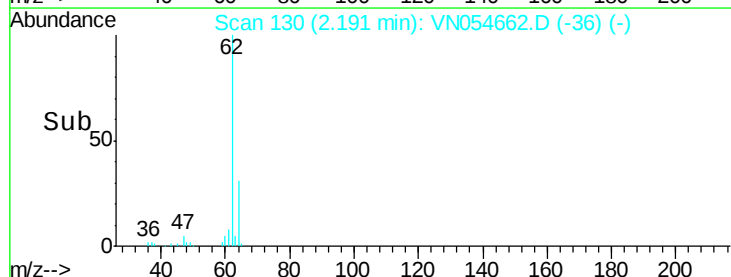
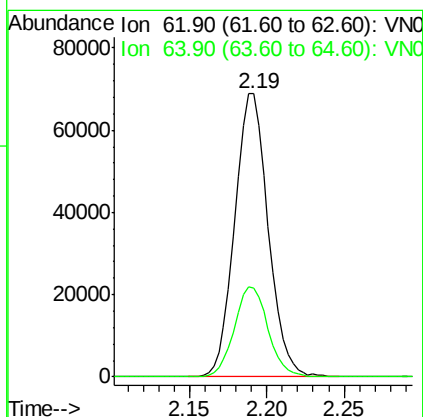
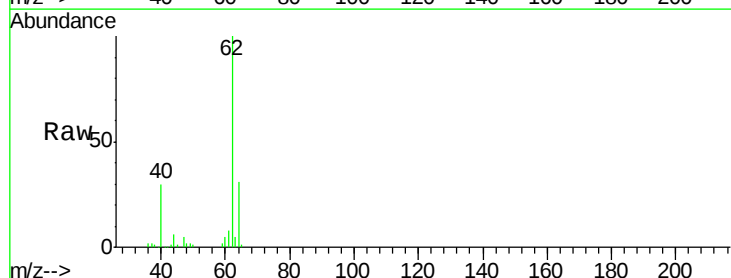
Acq: 25 Mar 2019 10:36

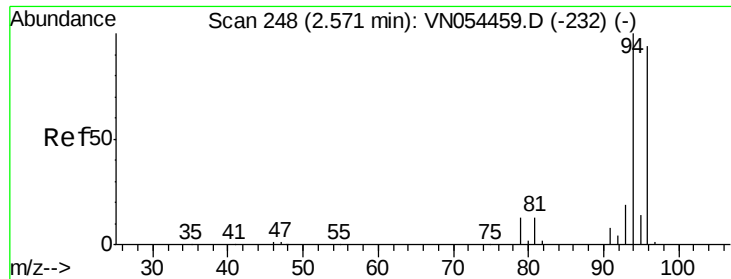
Tgt Ion: 62 Resp: 103381

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 15.958 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 94 Resp: 57908

Ion Ratio Lower Upper

94 100

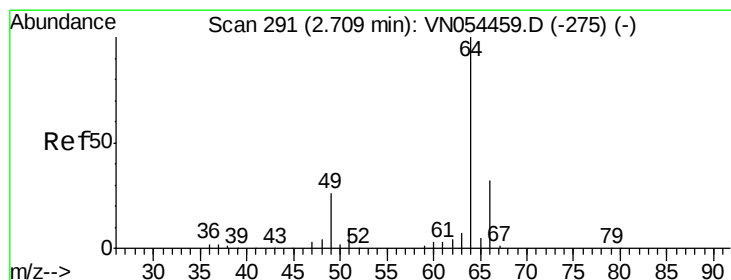
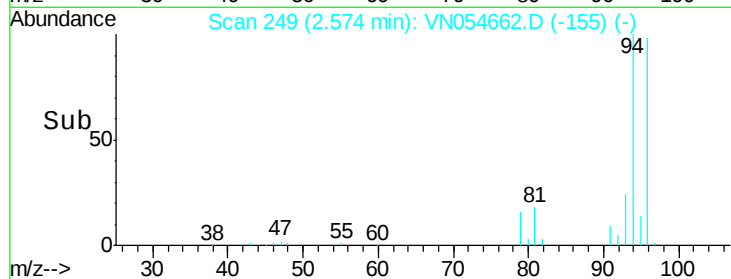
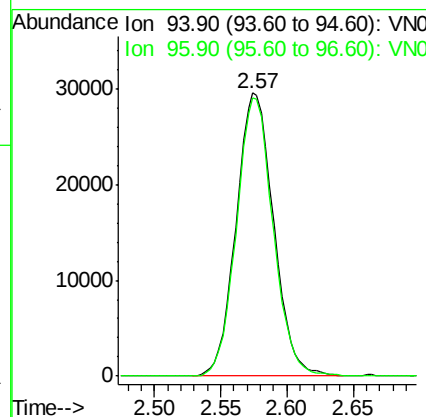
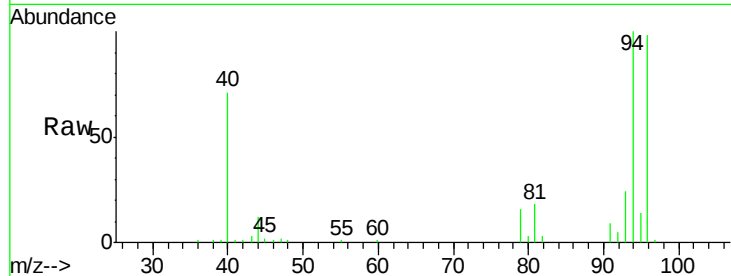
96 98.3 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 17.237 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054662.D

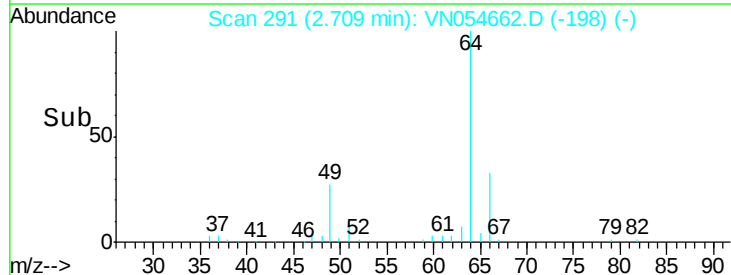
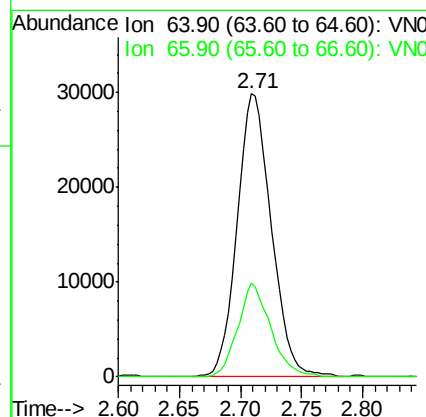
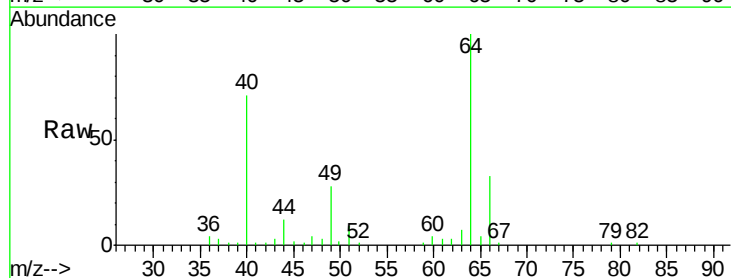
Acq: 25 Mar 2019 10:36

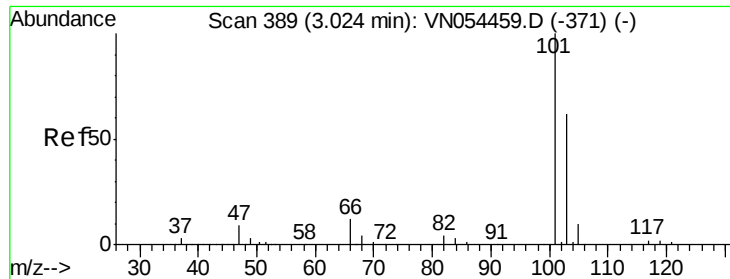
Tgt Ion: 64 Resp: 58021

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5





#7

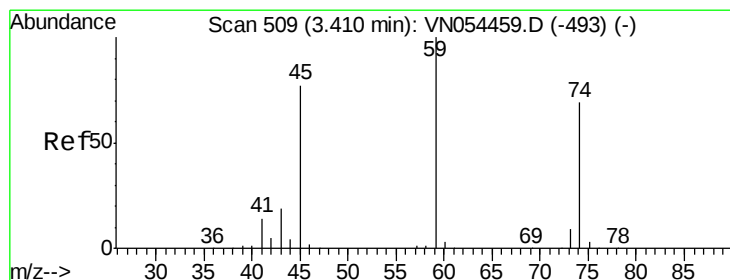
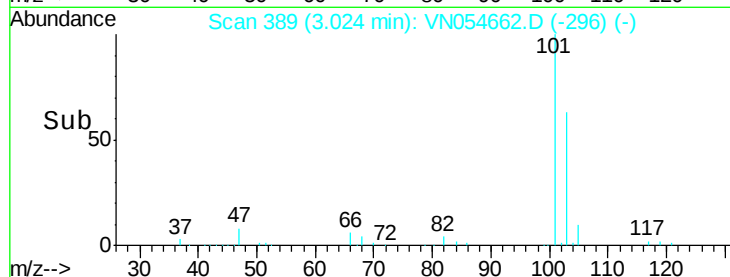
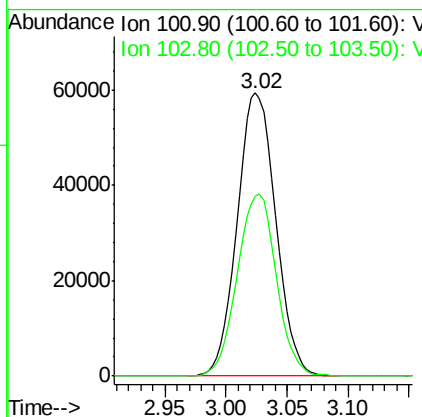
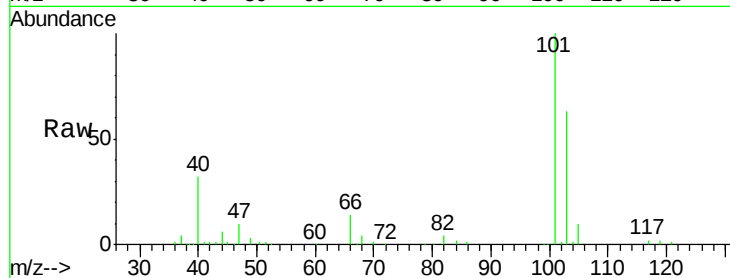
Trichlorofluoromethane
 Concen: 19.047 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054662.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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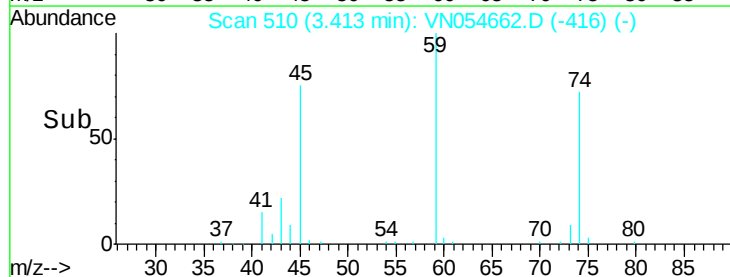
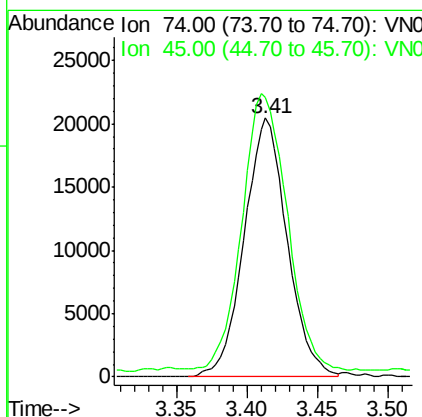
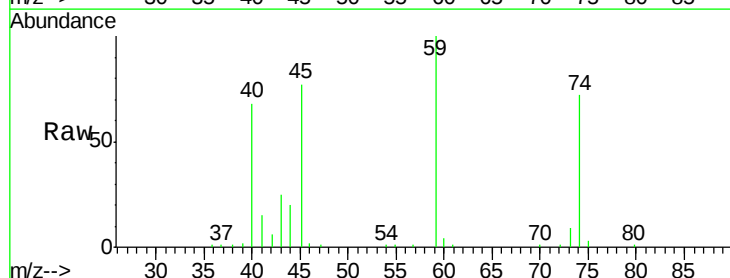
MMDadoda
 3/26/2019 12:32:50 PM

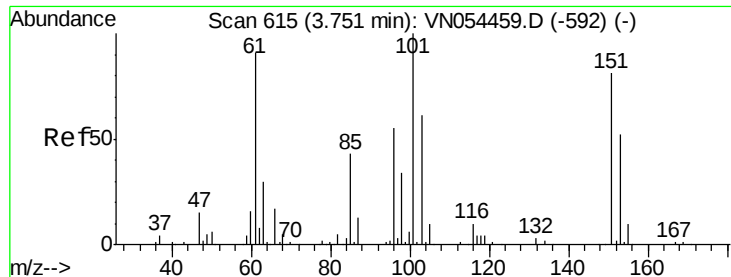


#8

Diethyl Ether
 Concen: 16.581 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.746 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion:101 Resp: 71082

Ion Ratio Lower Upper

101 100

85 47.2 32.4 48.6

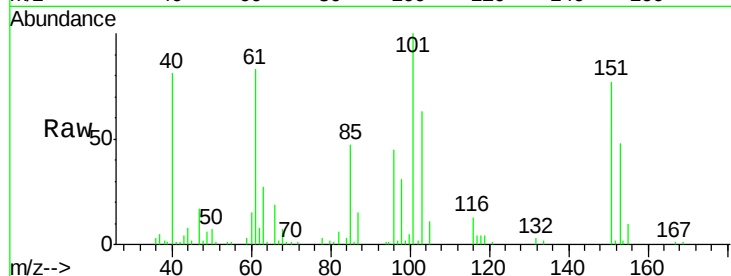
151 78.9 68.2 102.2

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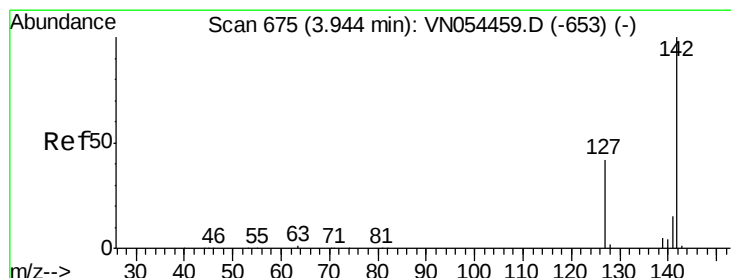
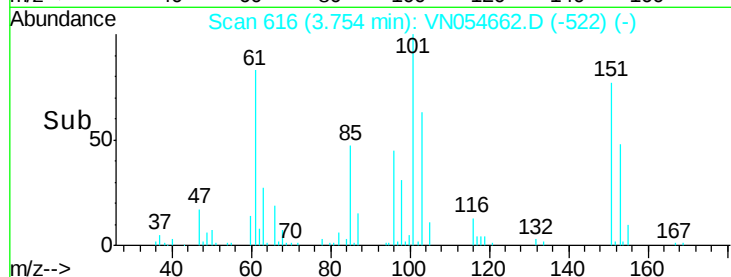
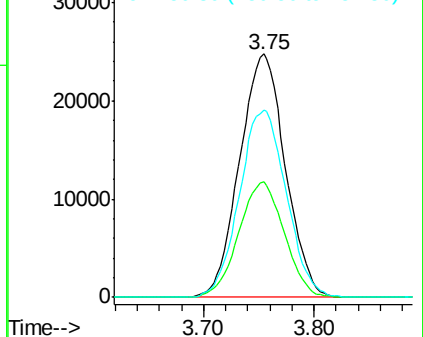
3/26/2019 12:32:50 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.590 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

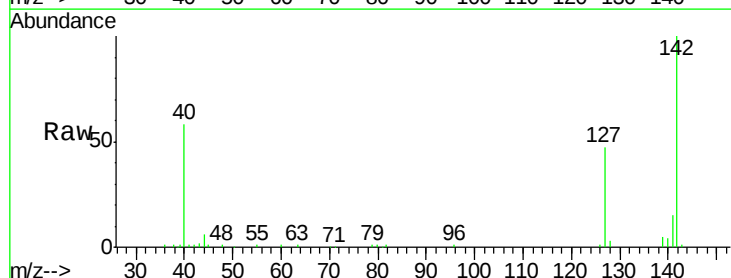
Tgt Ion:142 Resp: 91858

Ion Ratio Lower Upper

142 100

127 48.1 30.3 45.5#

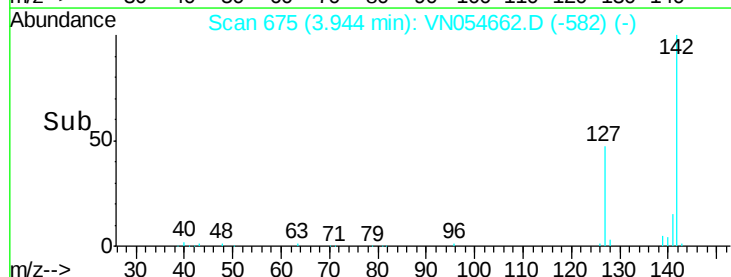
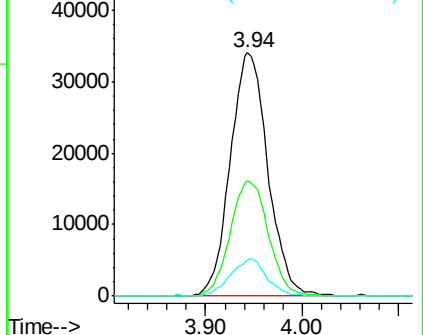
141 14.8 11.2 16.8

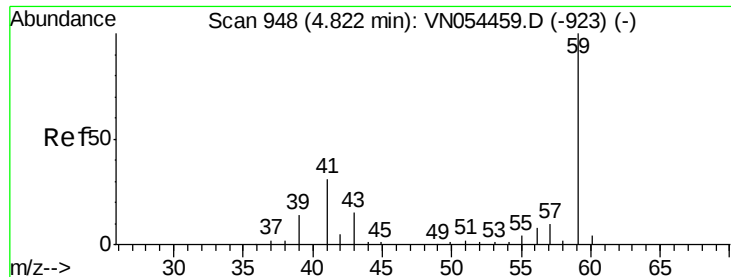


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

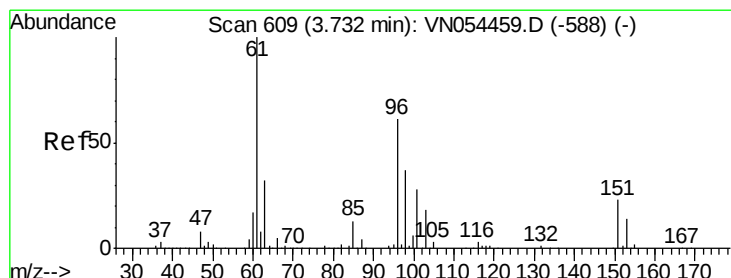
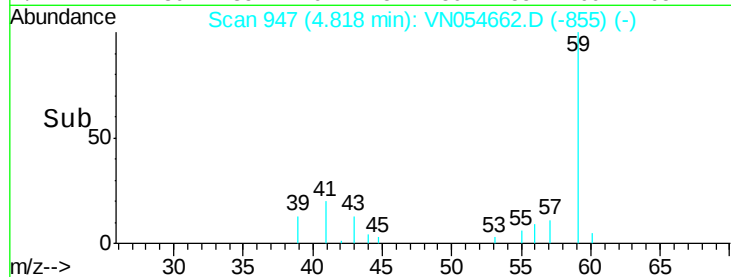
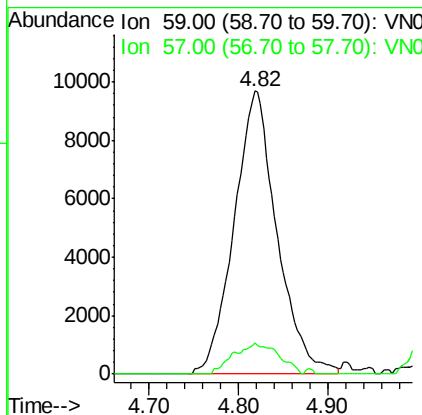
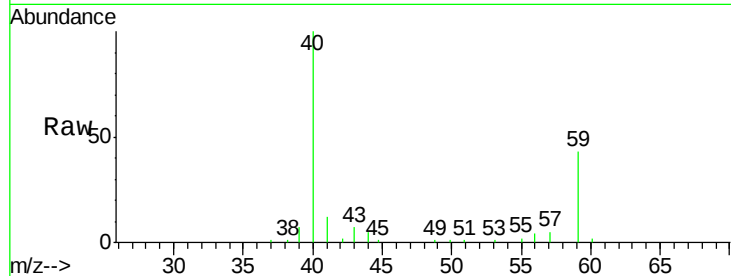
Tert butyl alcohol
 Concen: 100.160 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.0	13.6

Manual Integrations
 APPROVED

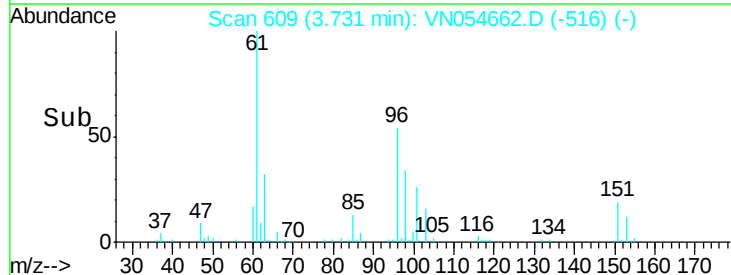
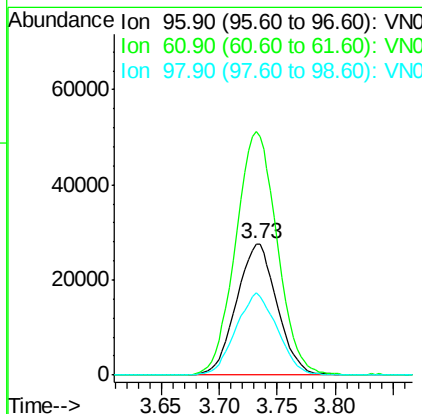
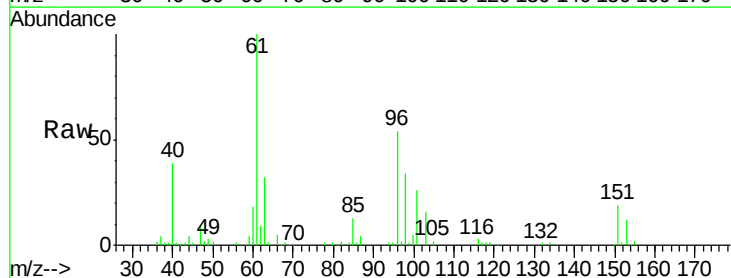
MMDadoda
 3/26/2019 12:32:50 PM

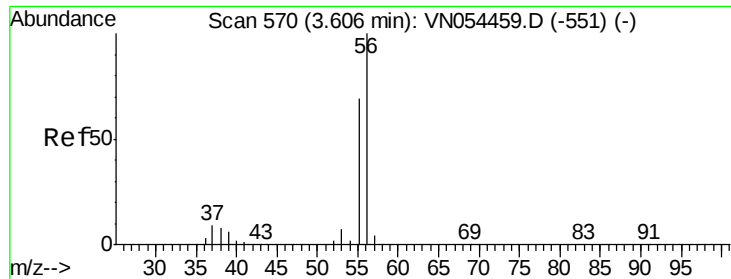


#12

1,1-Dichloroethene
 Concen: 16.222 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.7	116.5	174.7#
98	62.3	51.0	76.4





#13

Acrolein

Concen: 91.788 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 56 Resp: 40993

Ion Ratio Lower Upper

56 100

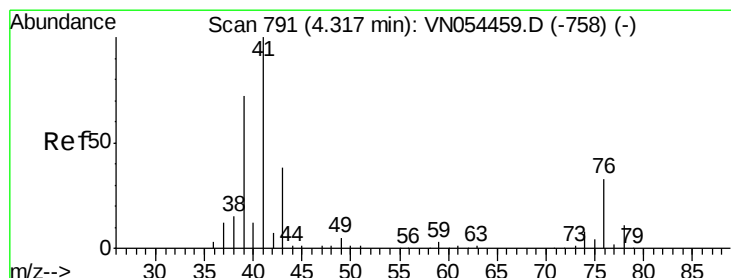
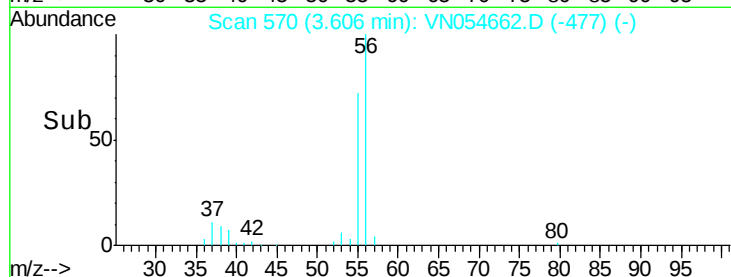
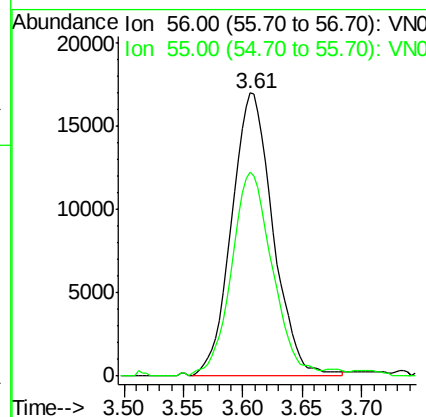
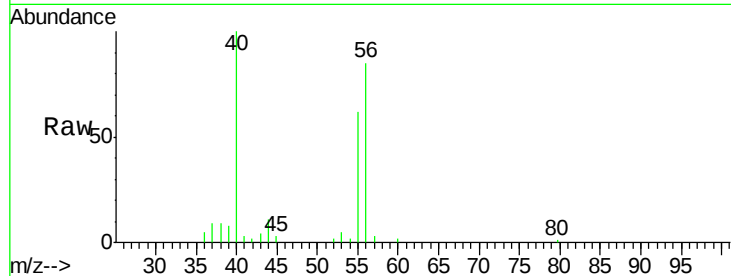
55 70.9 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:50 PM



#14

Allyl chloride

Concen: 19.626 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

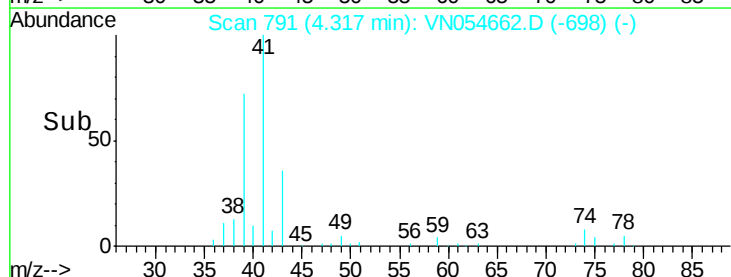
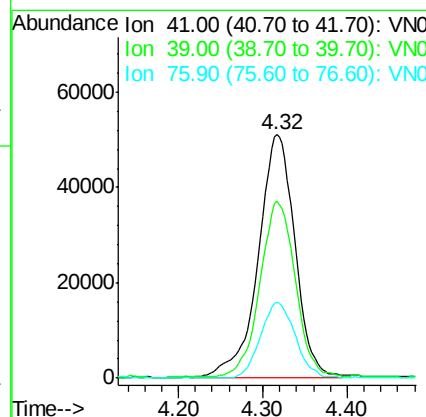
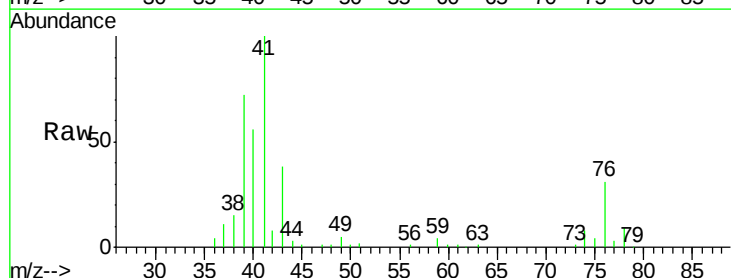
Tgt Ion: 41 Resp: 153188

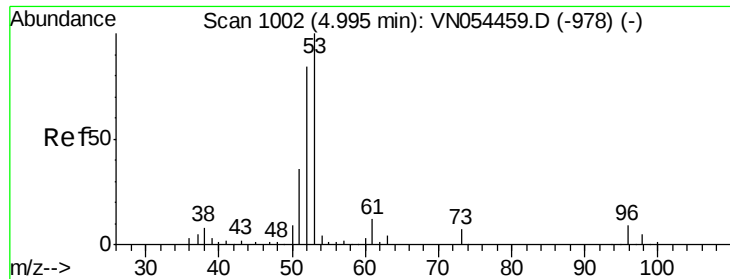
Ion Ratio Lower Upper

41 100

39 68.5 58.2 87.4

76 29.7 31.7 47.5#





#15

Acrylonitrile

Concen: 102.587 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

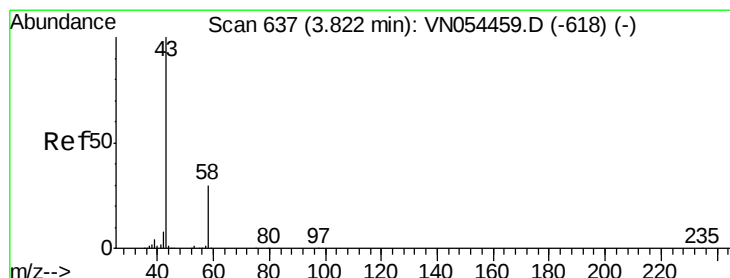
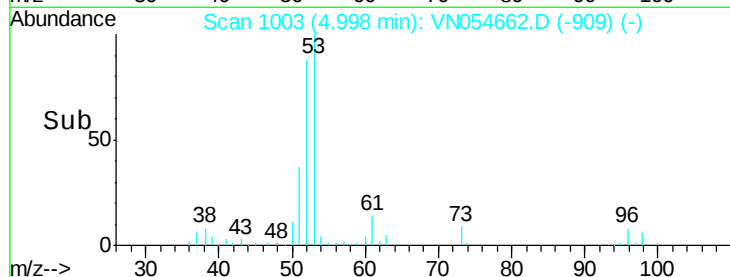
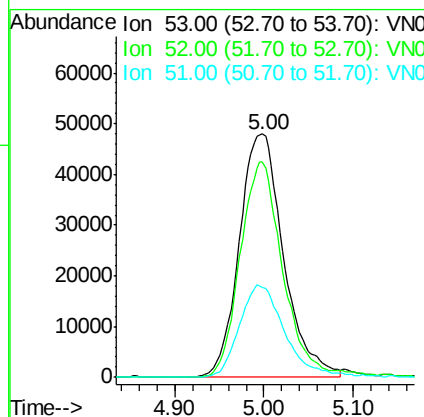
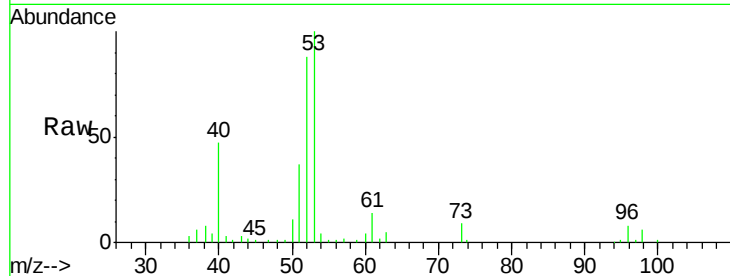
ClientSampleId :

VN0325WBS01

Tot Ion:	53	Resp:	165330
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.4	99.6
51	38.5	29.6	44.4

Manual Integrations
APPROVED

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3/26/2019 12:32:50 PM



#16

Acetone

Concen: 107.838 ug/l

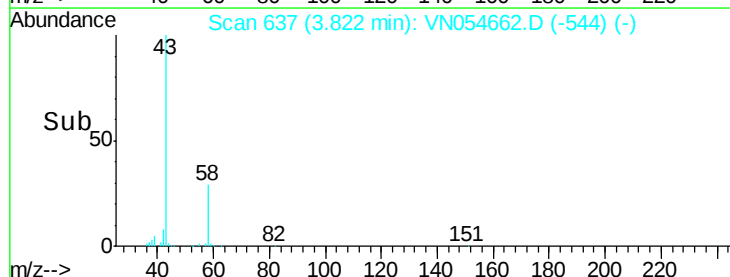
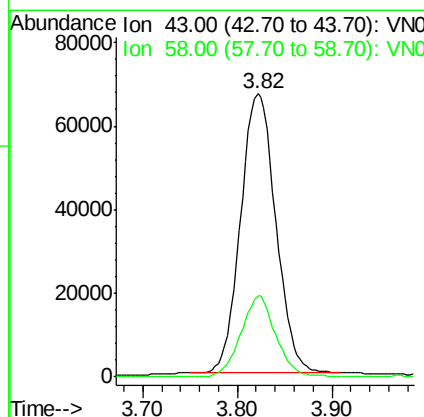
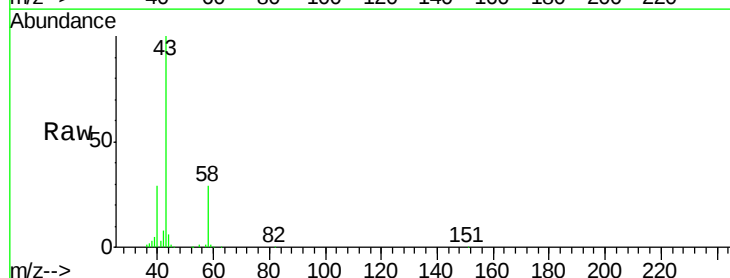
RT: 3.82 min Scan# 637

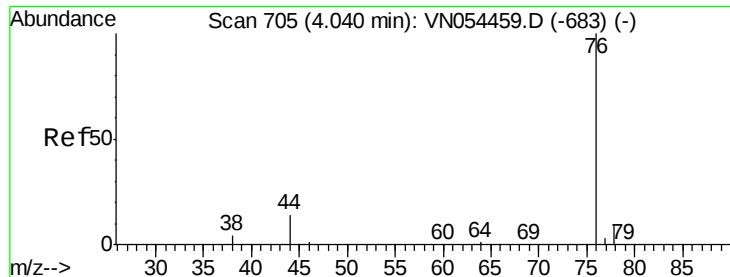
Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion:	43	Resp:	173307
Ion Ratio	Lower	Upper	
43	100		
58	29.1	29.9	44.9#





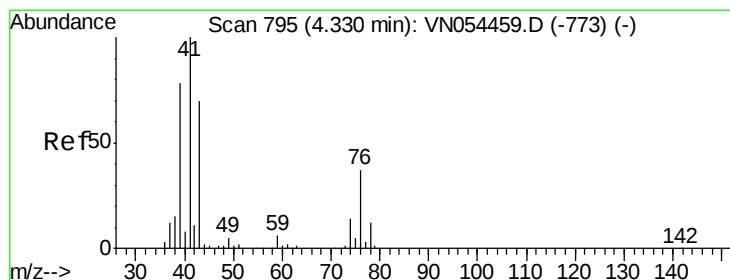
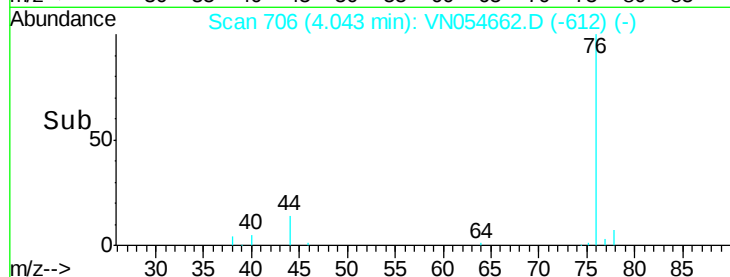
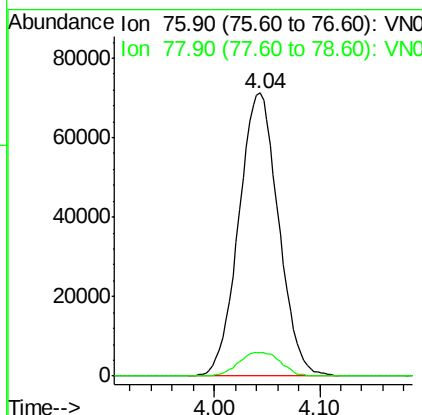
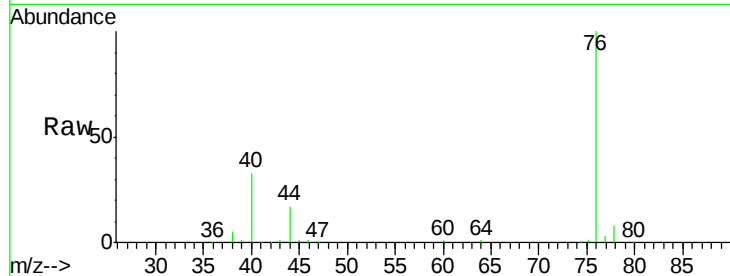
#17
Carbon Disulfide
Concen: 16.818 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

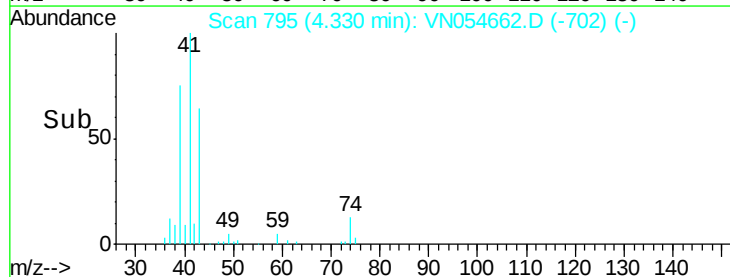
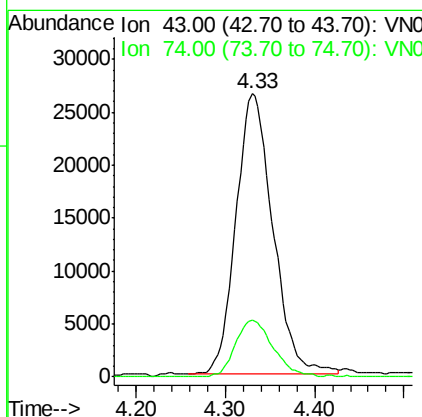
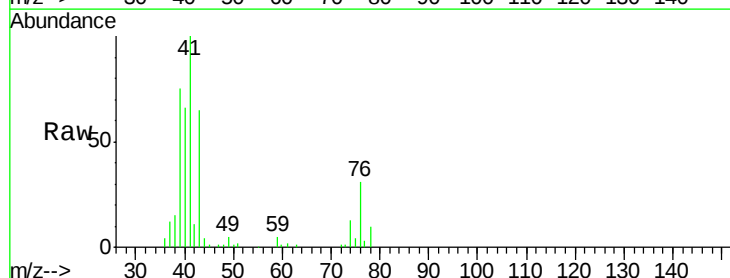
Manual Integrations
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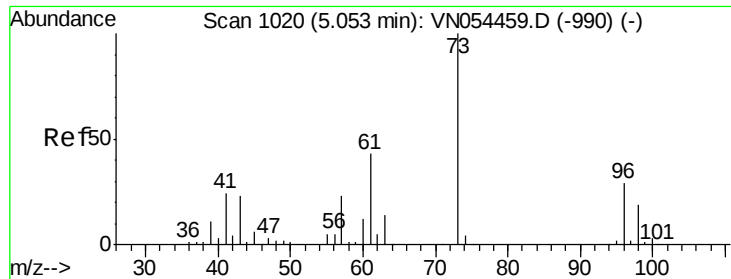
MMDadoda
3/26/2019 12:32:50 PM



#18
Methyl Acetate
Concen: 21.331 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	20.8	31.2#





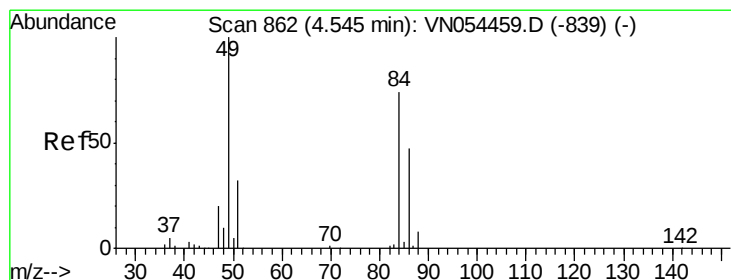
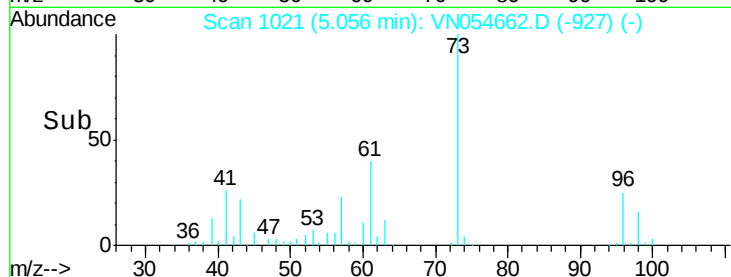
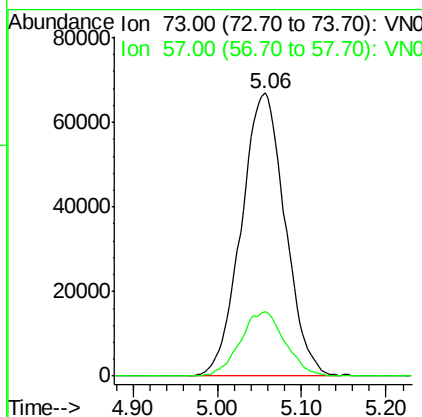
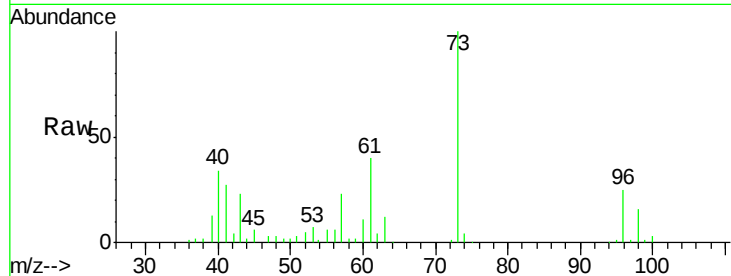
#19
Methvl tert-butvl Ether
Concen: 19.966 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion: 73 Resp: 241528
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

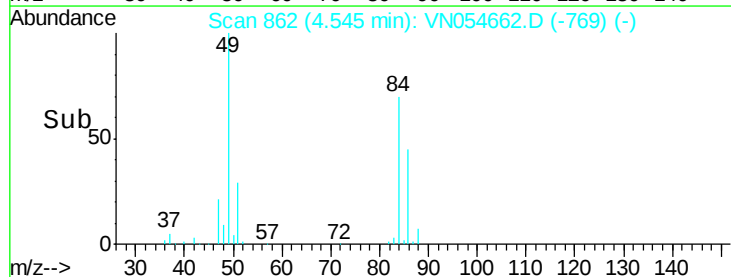
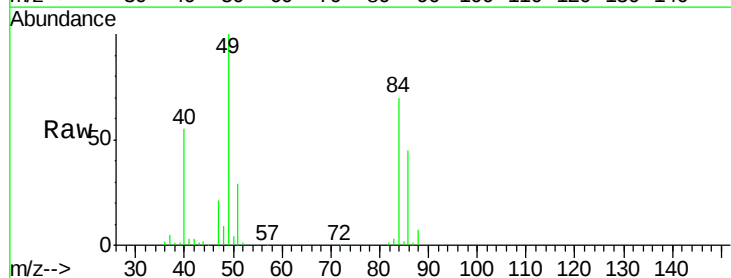
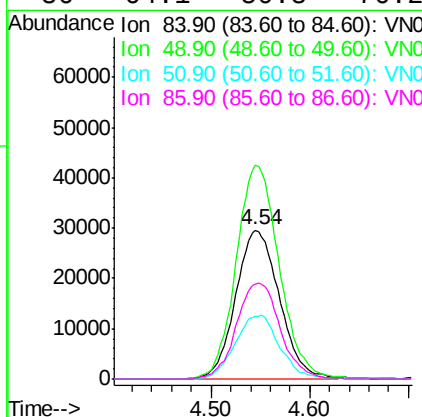
Manual Integrations
APPROVED

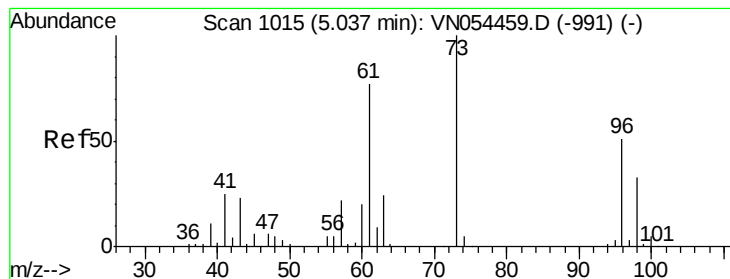
MMDadoda
3/26/2019 12:32:50 PM



#20
Methylene Chloride
Concen: 19.210 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 84 Resp: 91008
Ion Ratio Lower Upper
84 100
49 143.2 89.7 134.5#
51 42.0 28.2 42.4
86 64.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.194 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 96 Resp: 81239

Ion Ratio Lower Upper

96 100

61 155.5 102.8 154.2#

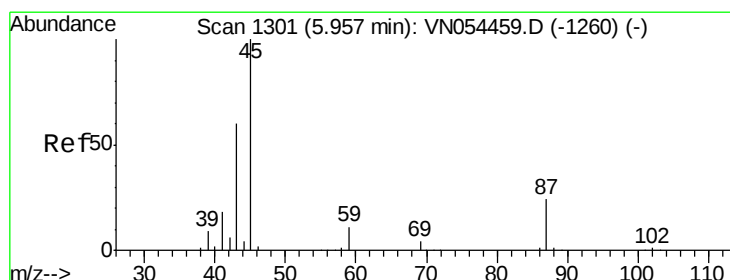
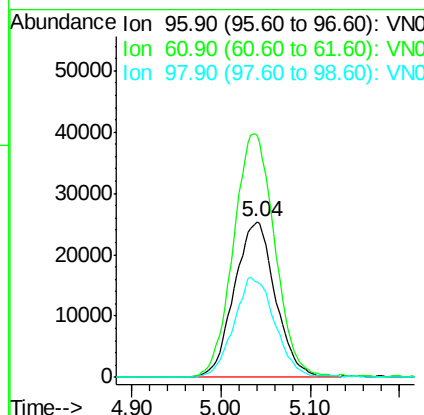
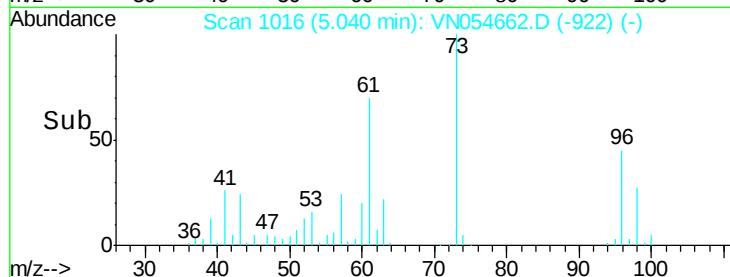
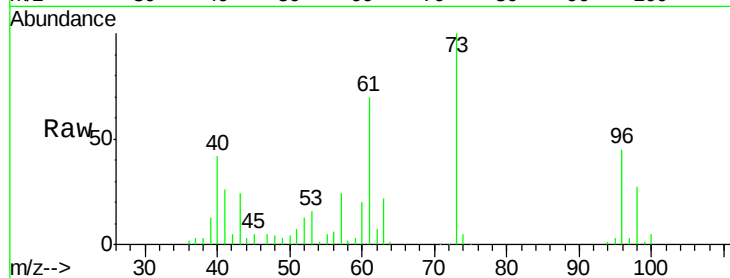
98 60.8 50.0 75.0

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:50 PM



#22

Diisopropyl ether

Concen: 20.845 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion: 45 Resp: 320936

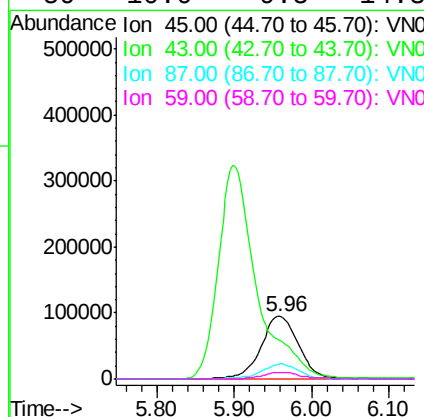
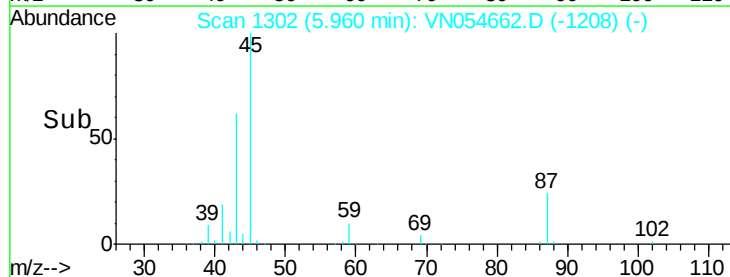
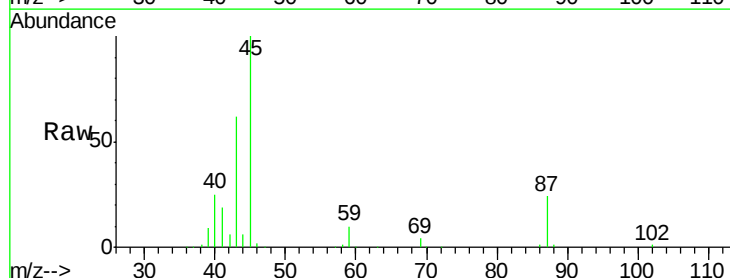
Ion Ratio Lower Upper

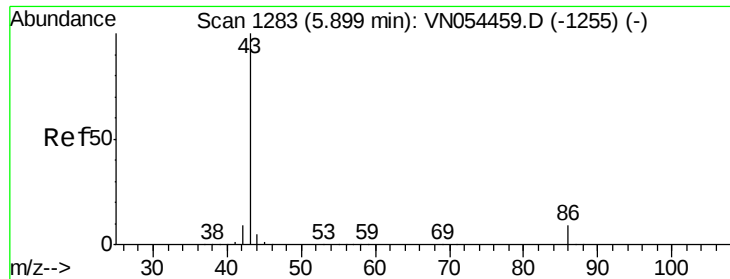
45 100

43 59.0 48.2 72.2

87 23.8 24.9 37.3#

59 10.0 9.5 14.3





#23

Vinyl Acetate

Concen: 103.394 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 43 Resp: 1124289

Ion Ratio Lower Upper

43 100

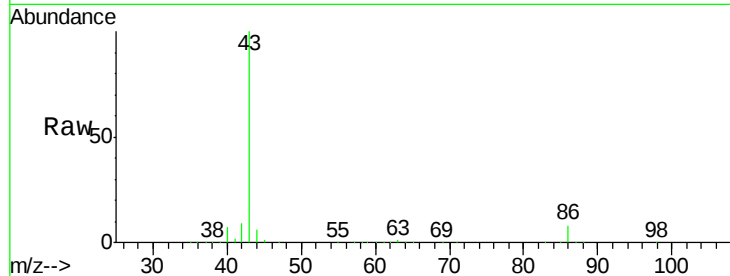
86 8.5 9.1 13.7#

Manual Integrations

APPROVED

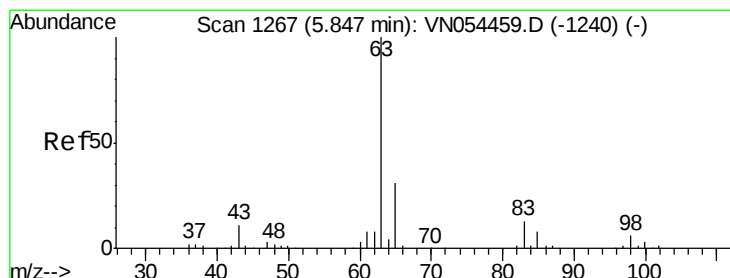
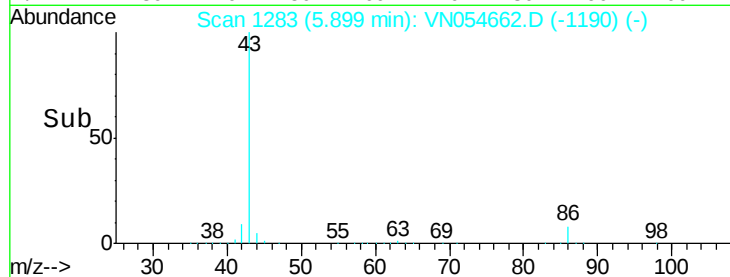
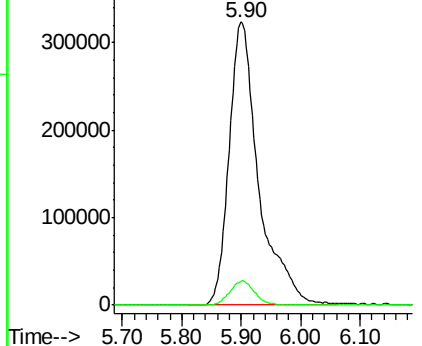
MMDadoda

3/26/2019 12:32:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.624 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

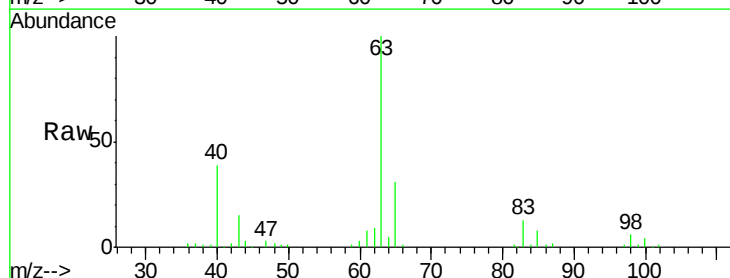
Tgt Ion: 63 Resp: 170967

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

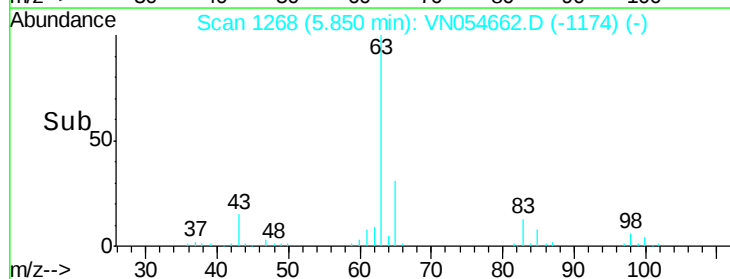
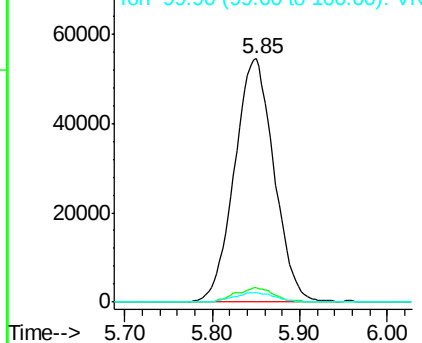
100 3.7 2.0 6.0

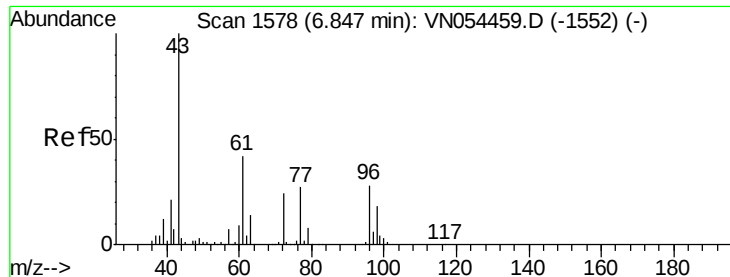


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 110.398 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 43 Resp: 227276

Ion Ratio Lower Upper

43 100

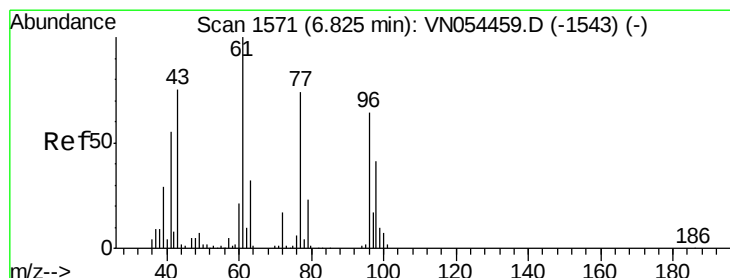
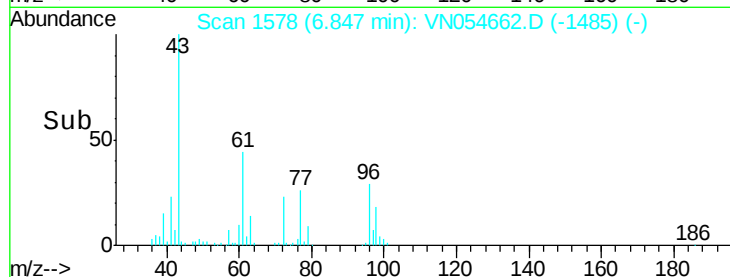
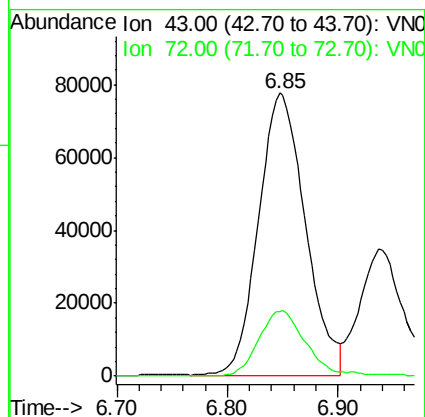
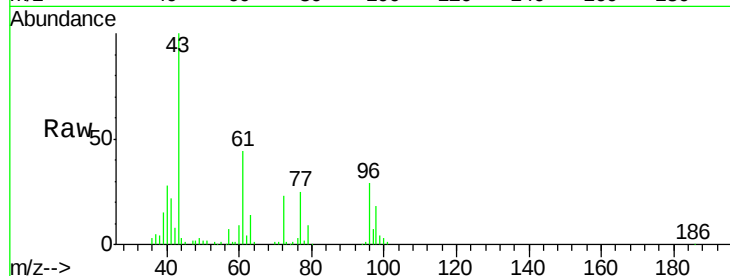
72 23.1 23.0 34.6

Manual Integrations

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3/26/2019 12:32:50 PM



#26

2,2-Dichloropropane

Concen: 20.141 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054662.D

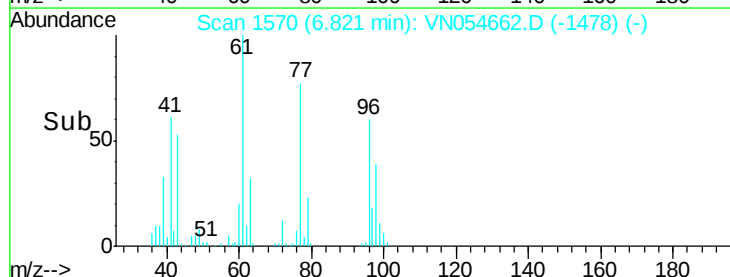
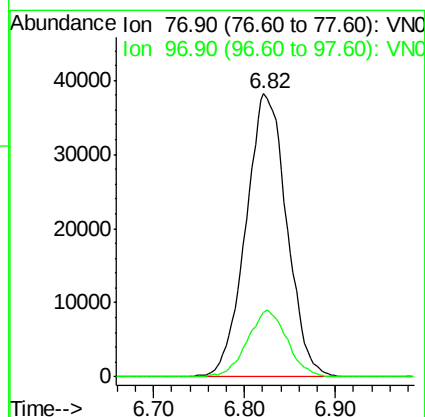
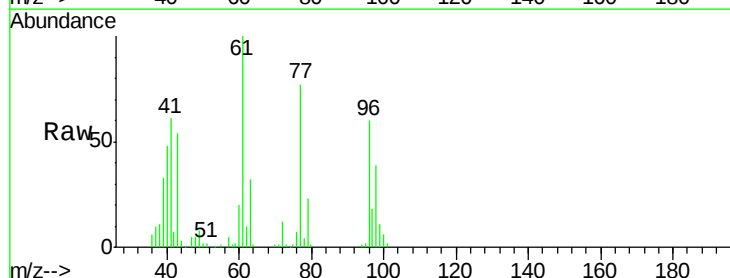
Acq: 25 Mar 2019 10:36

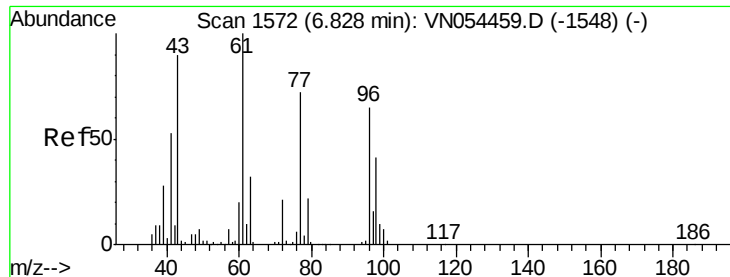
Tgt Ion: 77 Resp: 119023

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.960 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

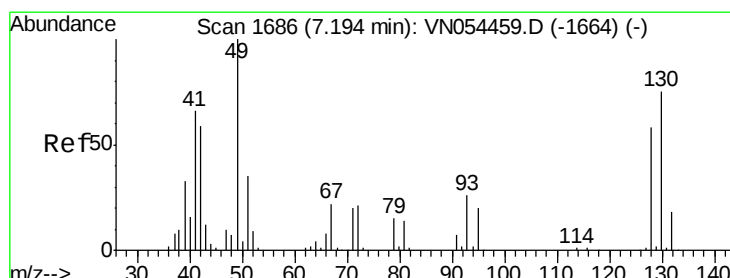
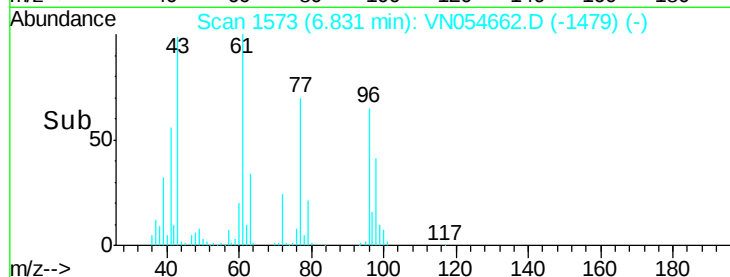
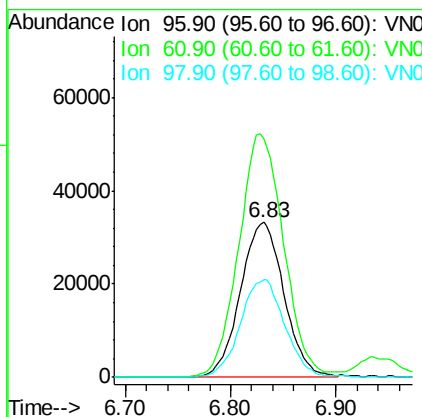
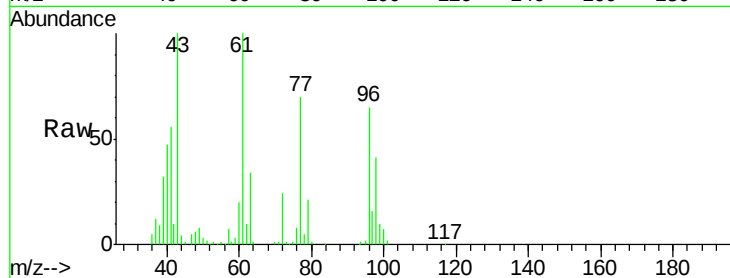
ClientSampleId :

VN0325WBS01

Tot Ion:	96	Resp:	95720
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	273.0
98	64.4	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.717 ug/l

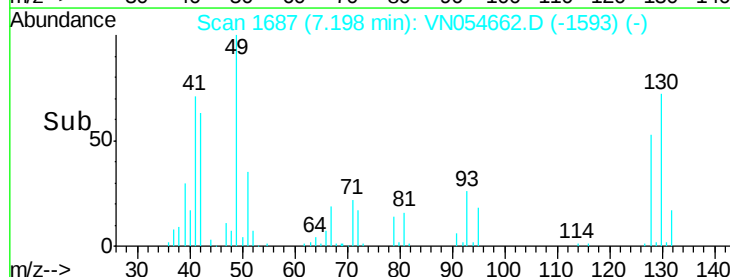
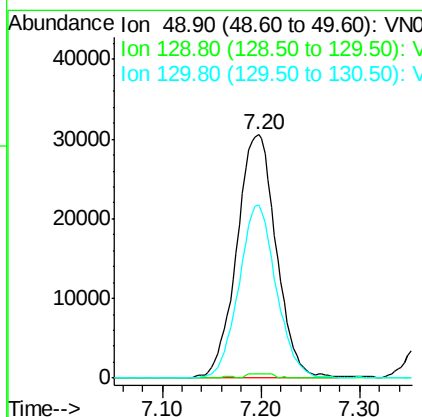
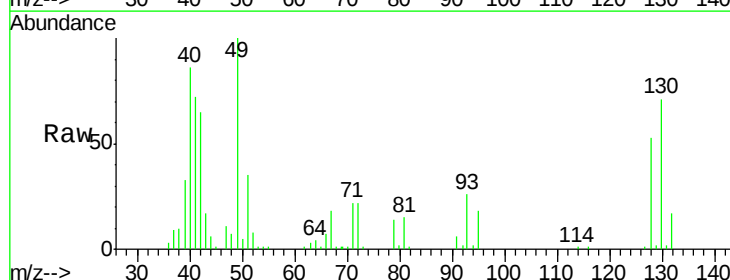
RT: 7.20 min Scan# 1687

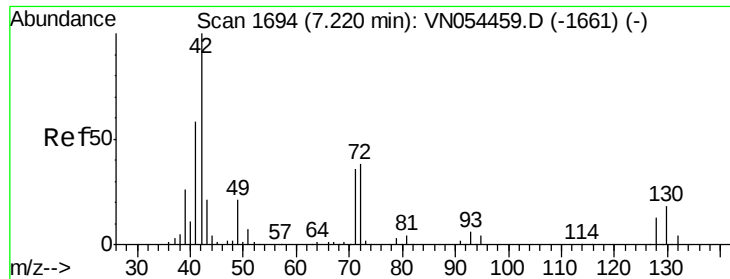
Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion:	49	Resp:	84535
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	67.6	76.7	115.1#





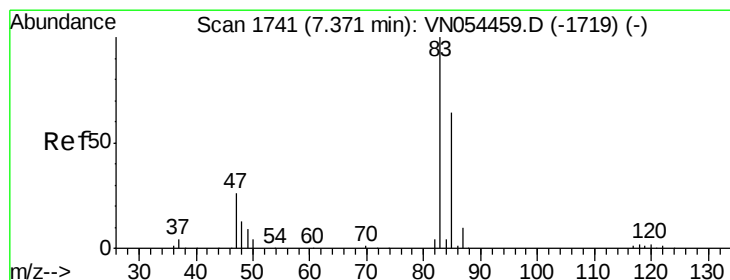
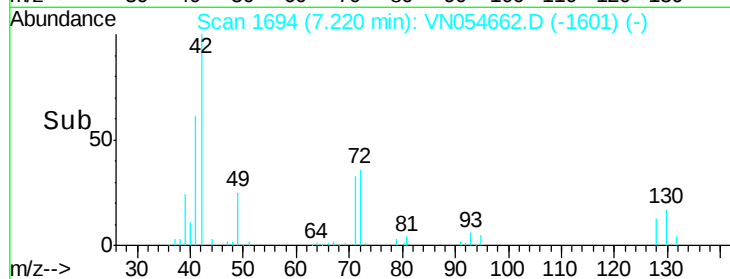
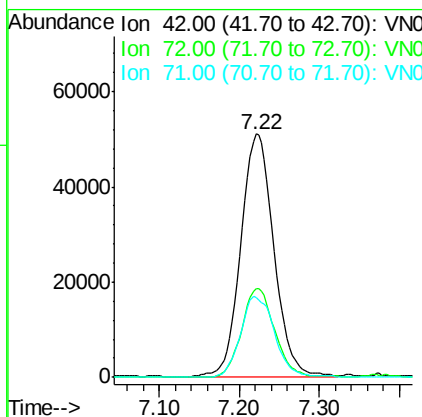
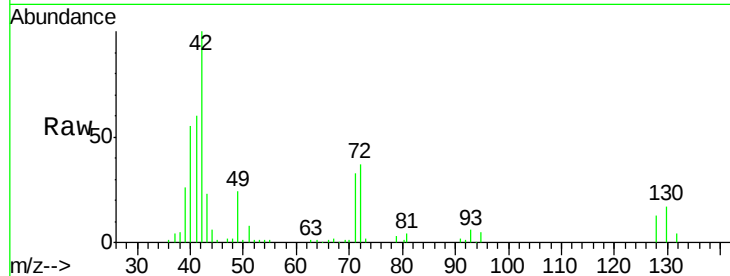
#29
Tetrahydrofuran
Concen: 106.288 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	34.2	36.2	54.2#

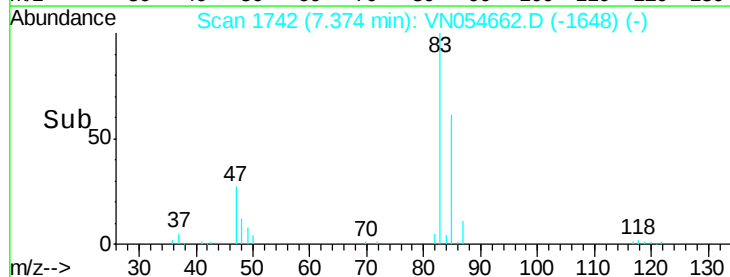
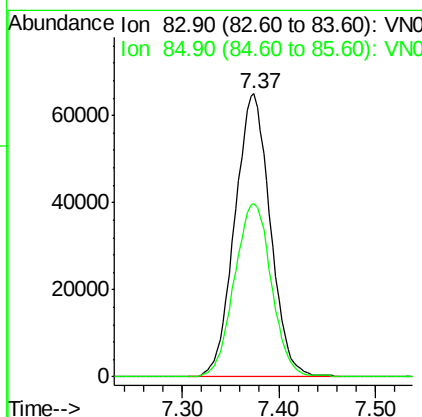
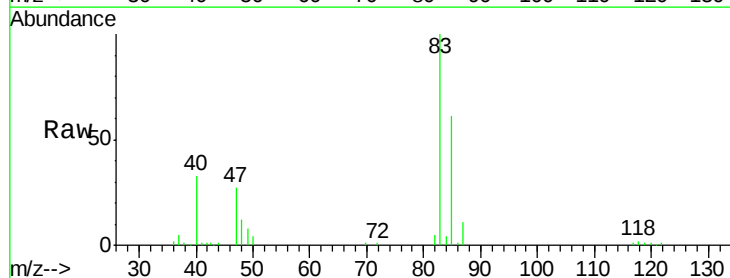
Manual Integrations
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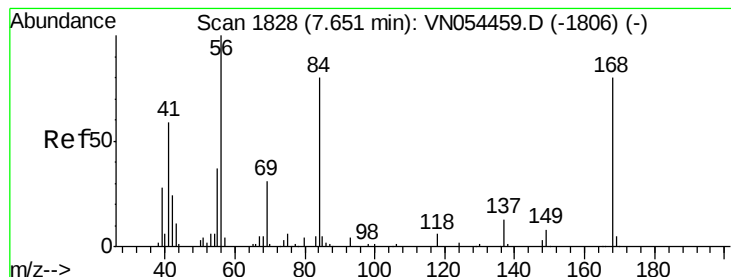
MMDadoda
3/26/2019 12:32:50 PM



#30
Chloroform
Concen: 20.474 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.2	78.4





#31

Cyclohexane

Concen: 19.083 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

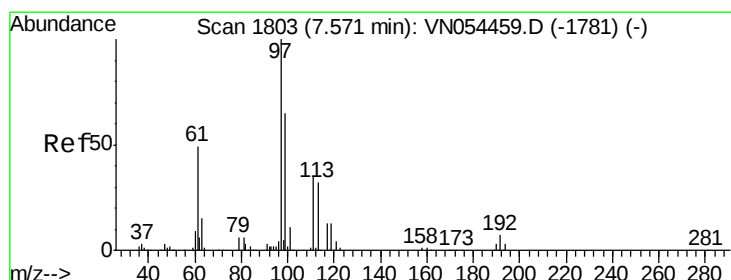
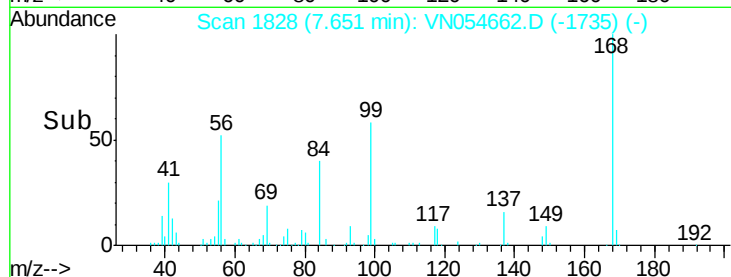
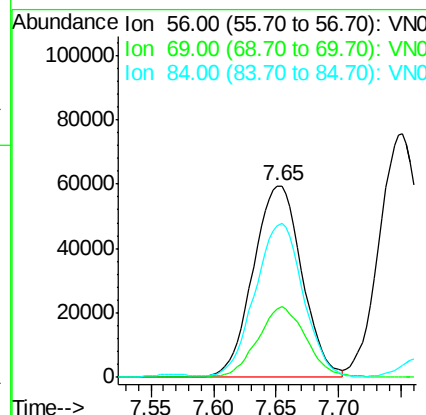
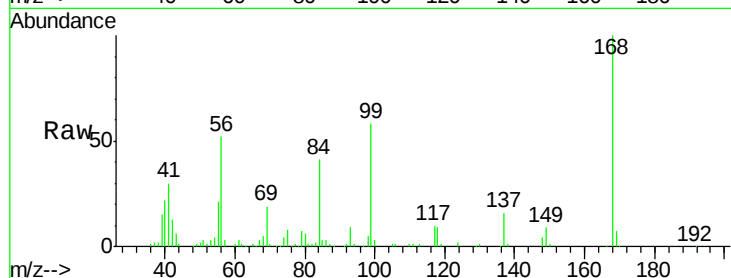
VN0325WBS01

Tot Ion: 56 Resp: 160707

Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.8	41.6
84	78.2	74.6	111.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.223 ug/l

RT: 7.57 min Scan# 1803

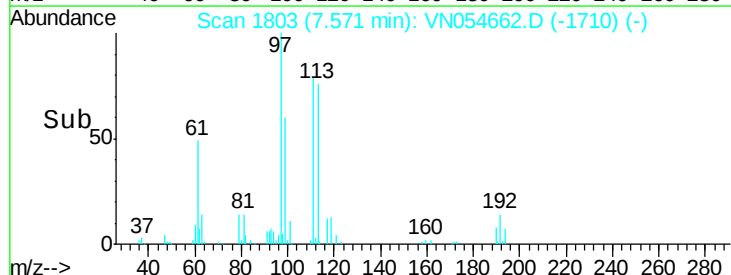
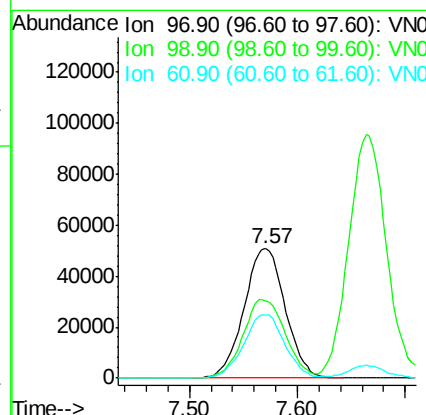
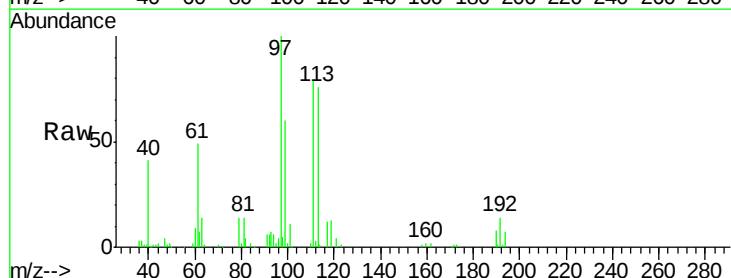
Delta R.T. -0.00 min

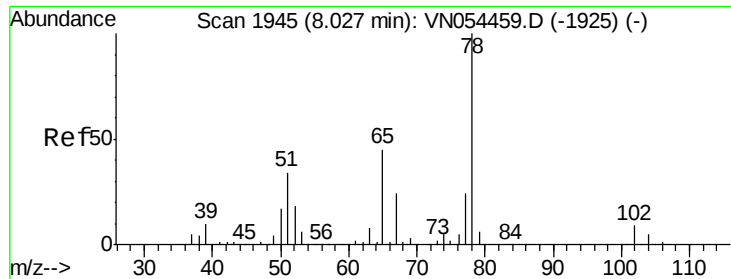
Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion: 97 Resp: 134976

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.5	77.3
61	48.7	33.6	50.4





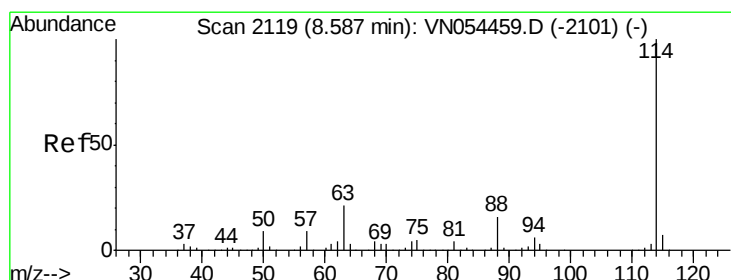
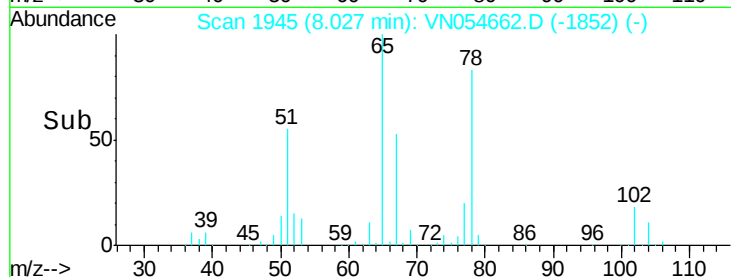
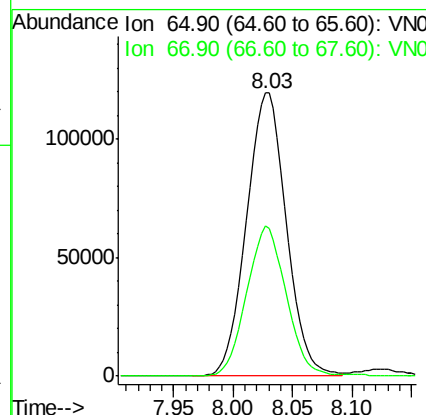
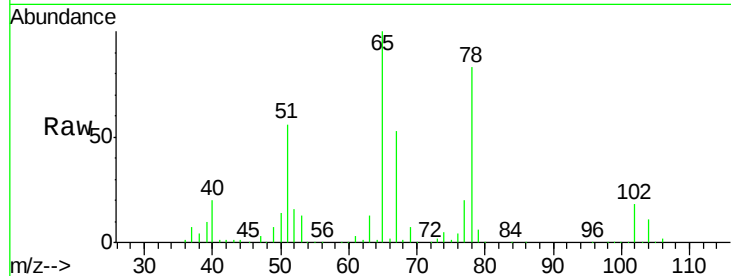
#33
 1,2-Dichloroethane-d4
 Concen: 51.985 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	277881		
67	52.7	0.0	104.6	

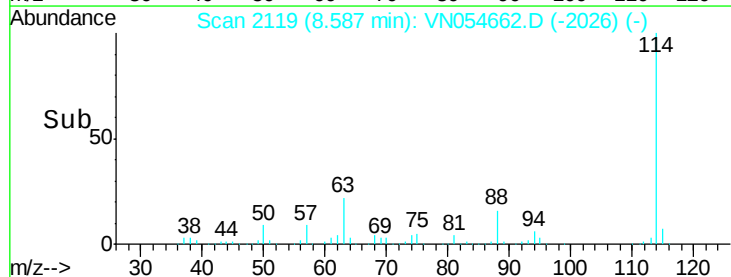
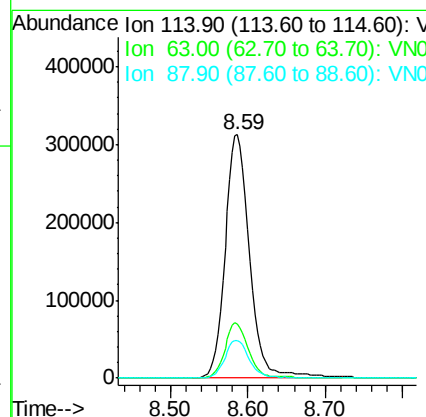
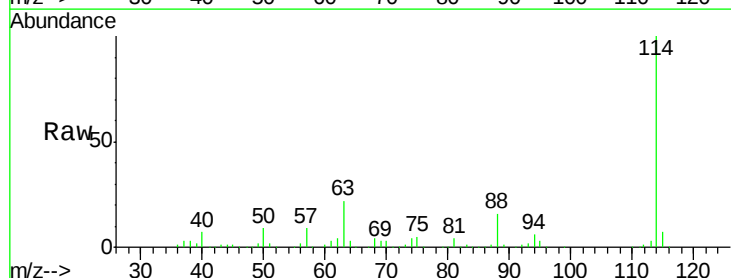
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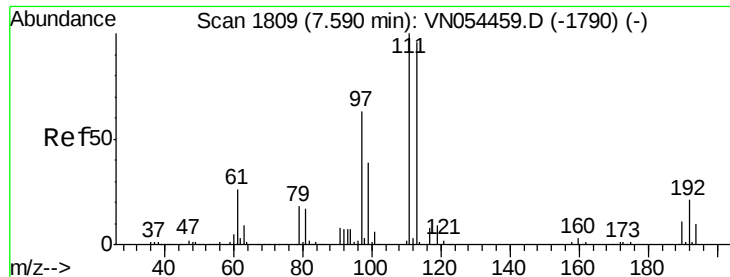
MMDadoda
 3/26/2019 12:32:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	687634		
63	22.0	0.0	35.2	
88	15.5	0.0	30.2	





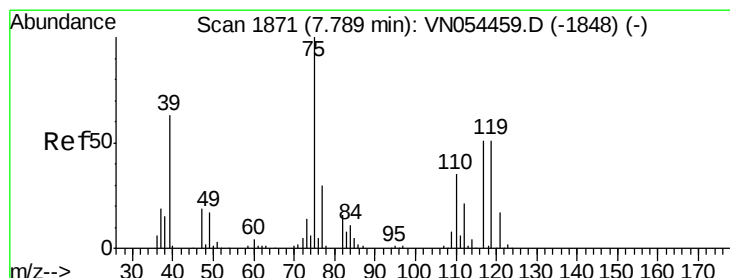
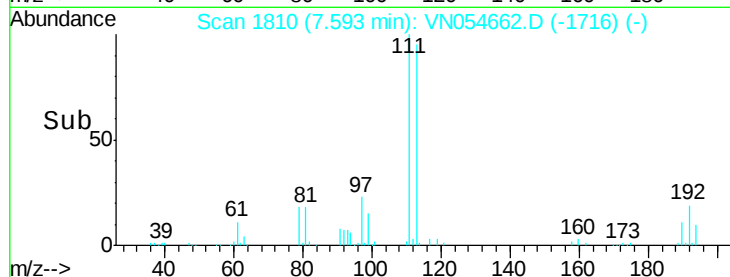
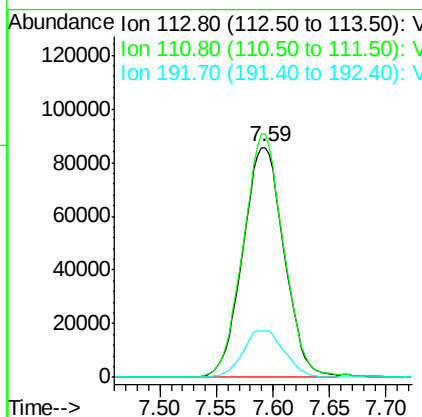
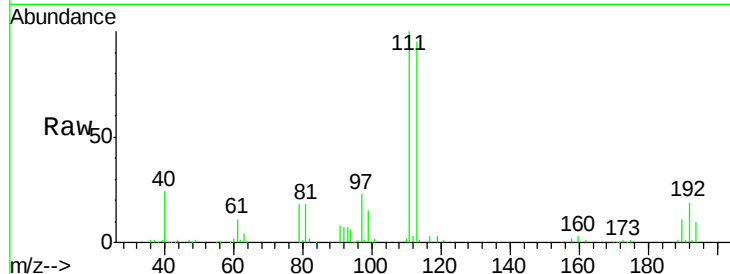
#35
Dibromofluoromethane
Concen: 49.168 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	82.2	123.4	
192	20.5	19.2	28.8	

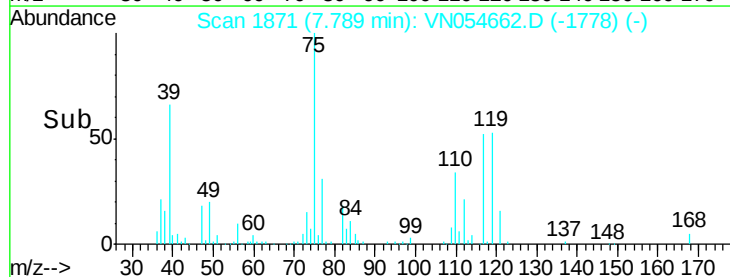
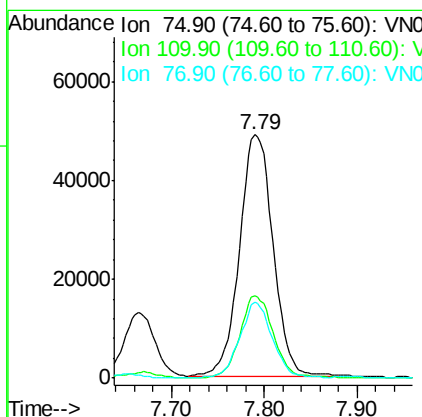
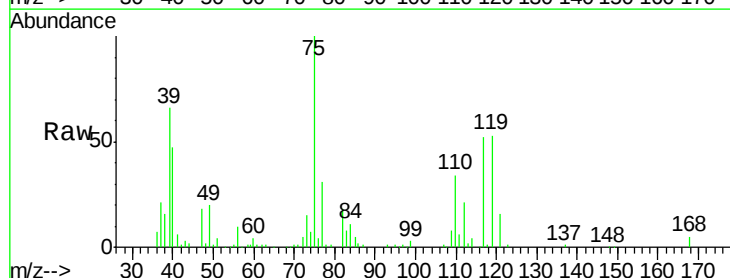
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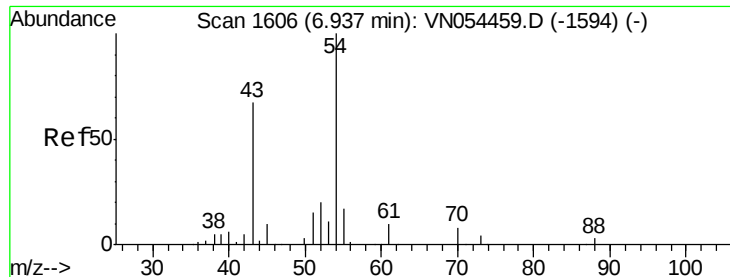
MMDadoda
3/26/2019 12:32:50 PM



#36
1,1-Dichloropropene
Concen: 19.161 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.1	19.1	57.5	
77	30.5	25.0	37.4	





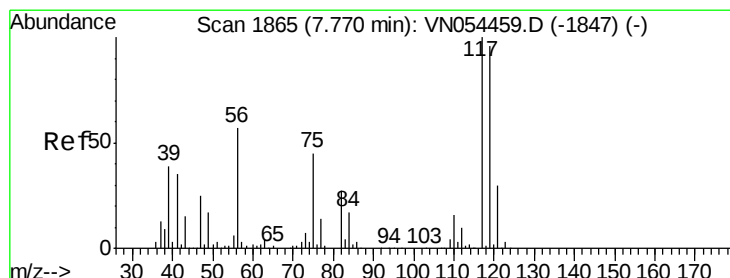
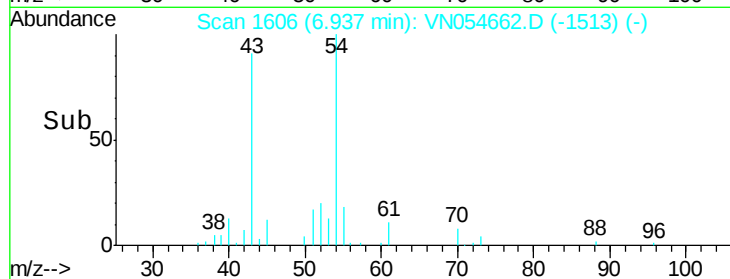
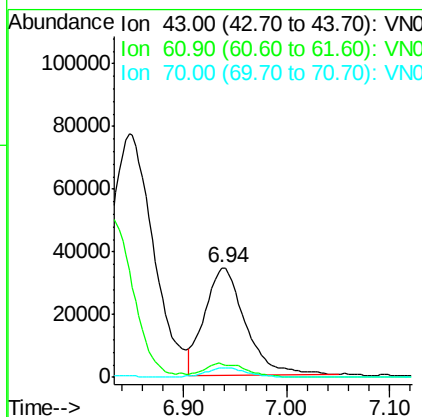
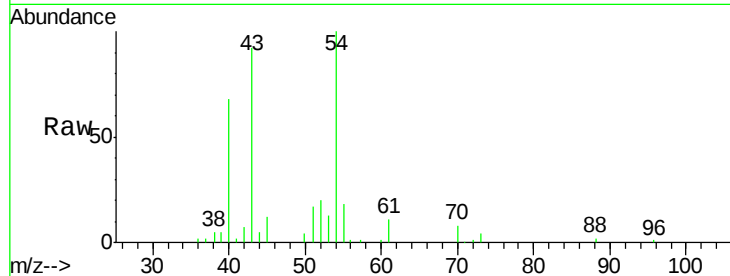
#37
Ethyl Acetate
Concen: 20.368 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion	43	61	70
Resp	93140		
Ratio	100	13.8	9.4
Lower		11.8	8.4
Upper		17.6	12.6

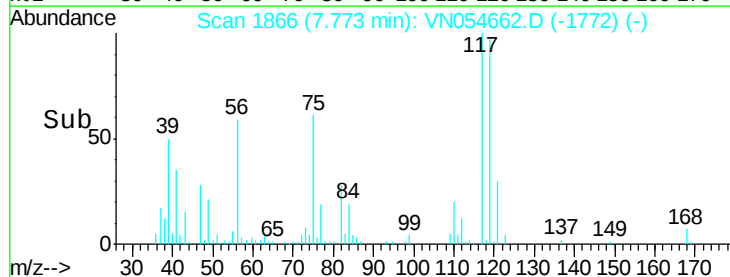
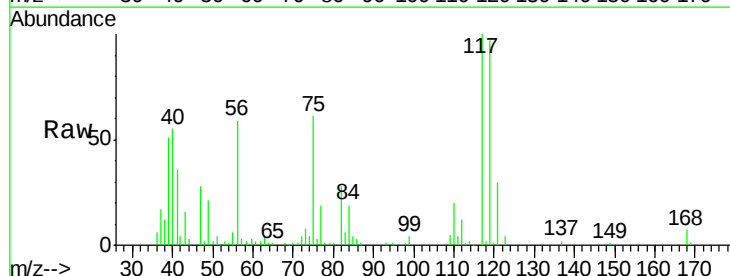
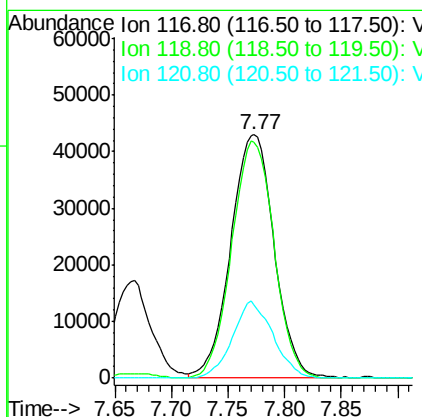
Manual Integrations
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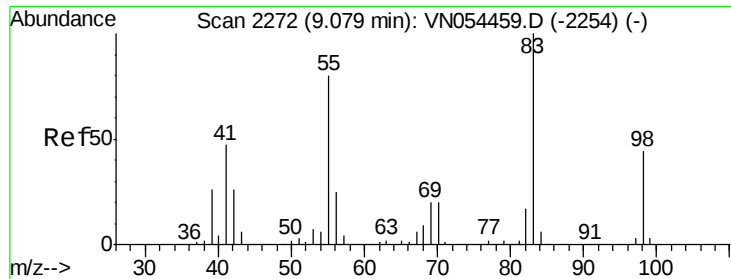
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.201 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	117	119	121
Resp	113718		
Ratio	100	97.2	30.2
Lower		76.3	24.6
Upper		114.5	36.8





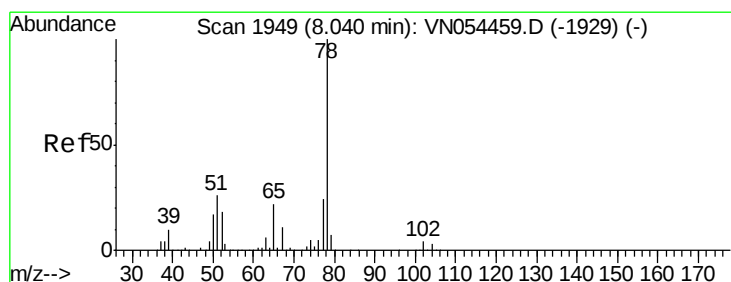
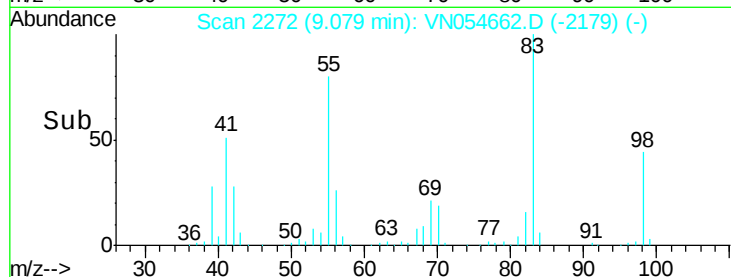
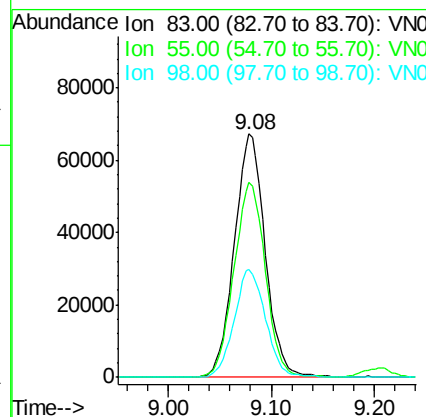
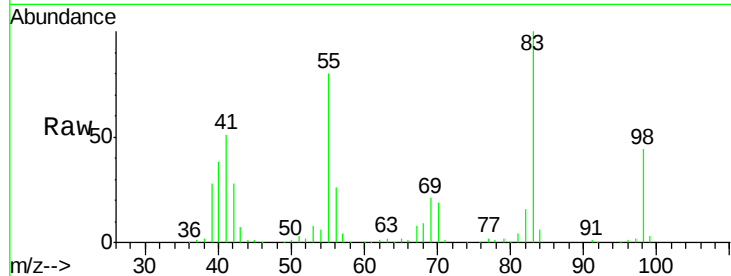
#39
Methvlcvclohexane
Concen: 19.037 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	83.00	Resp	140009
Ion	Ratio	Lower	Upper
83	100		
55	80.1	56.6	84.8
98	44.2	38.4	57.6

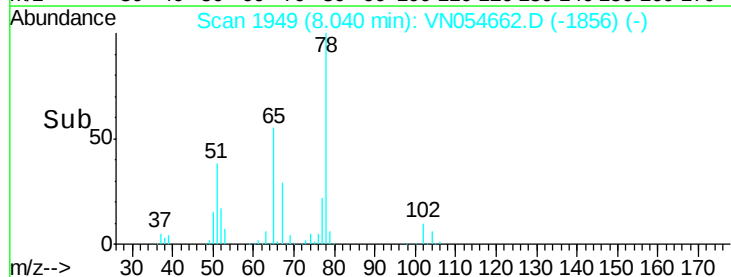
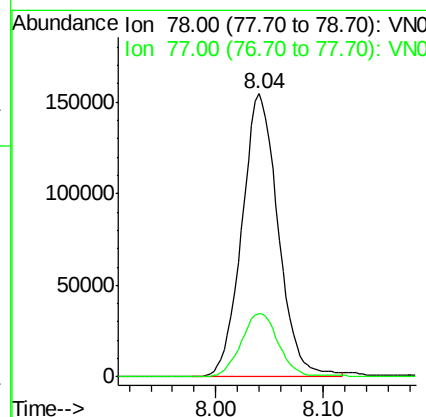
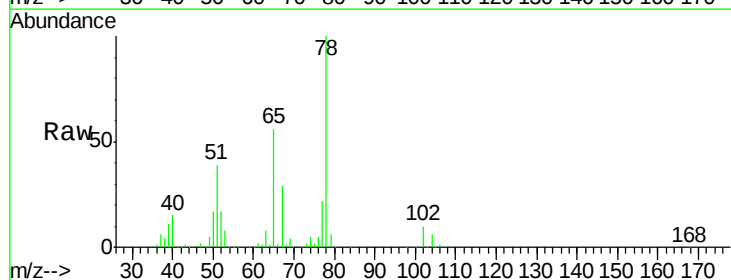
Manual Integrations
APPROVED

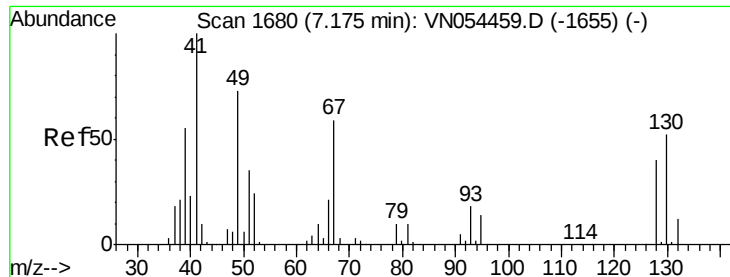
MMDadoda
3/26/2019 12:32:50 PM



#40
Benzene
Concen: 19.665 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	78.00	Resp	361538
Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7





#41

Methacrylonitrile

Concen: 16.877 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 41 Resp: 47067

Ion Ratio Lower Upper

41 100

39 62.6 46.8 70.2

67 77.5 67.0 100.4

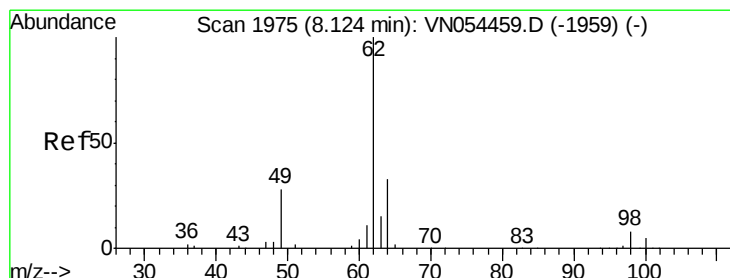
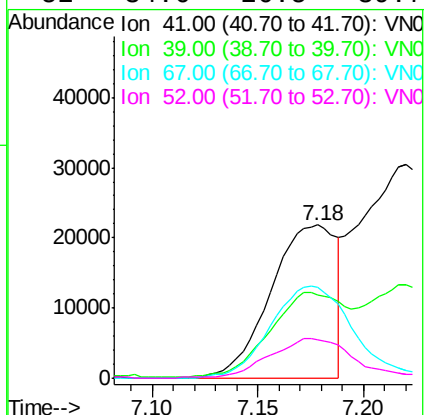
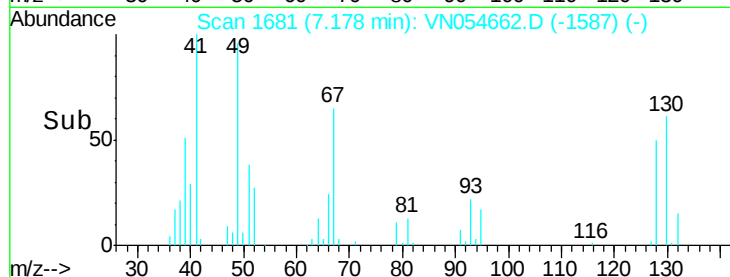
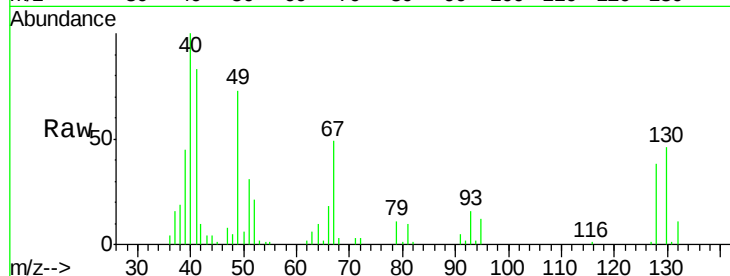
52 34.6 26.5 39.7

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.840 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054662.D

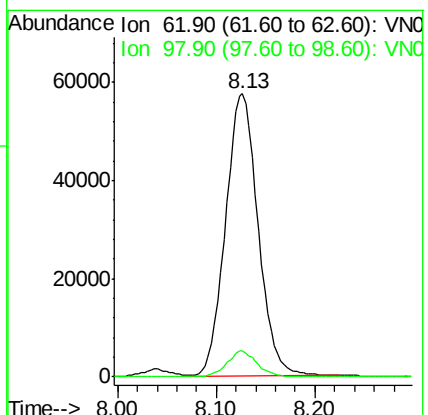
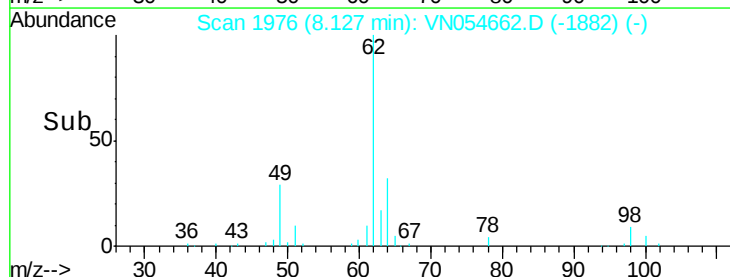
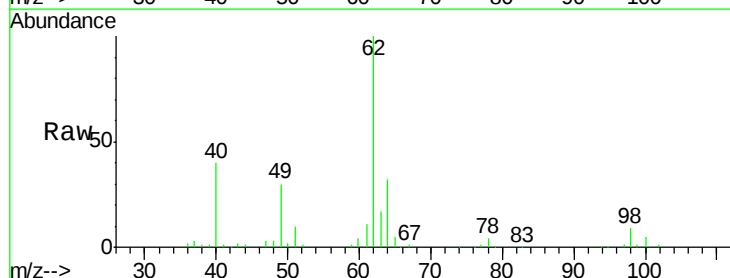
Acq: 25 Mar 2019 10:36

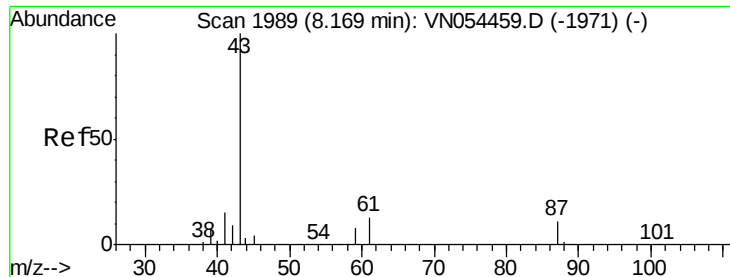
Tgt Ion: 62 Resp: 132839

Ion Ratio Lower Upper

62 100

98 8.5 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.221 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

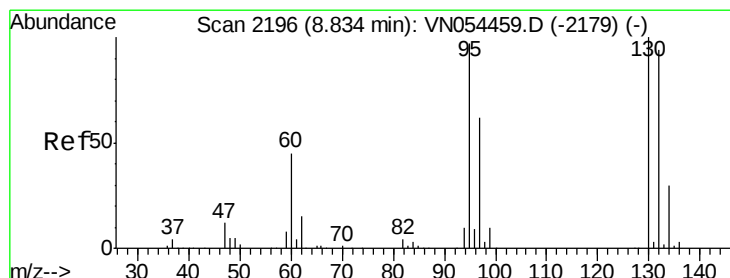
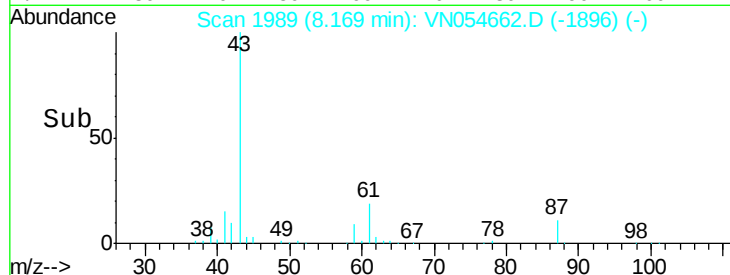
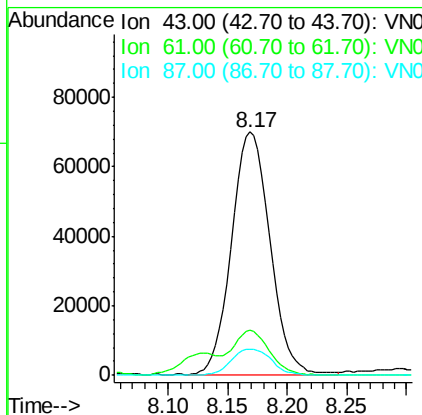
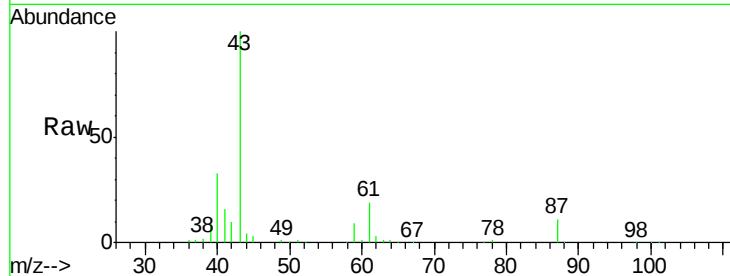
ClientSampleId :

VN0325WBS01

Tot Ion:	43	Resp:	156162
Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 18.499 ug/l

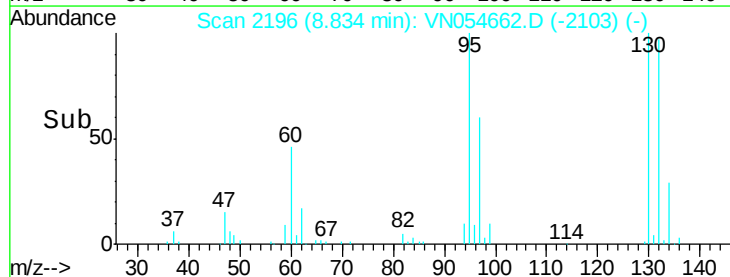
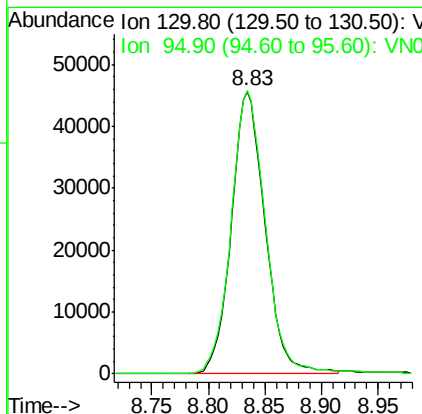
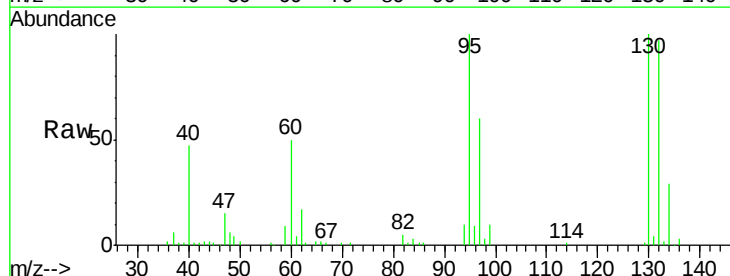
RT: 8.83 min Scan# 2196

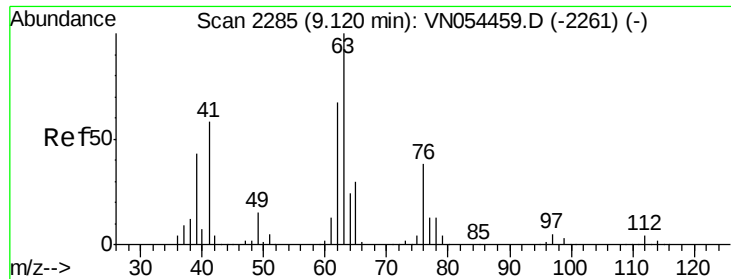
Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion:	130	Resp:	94555
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	185.2





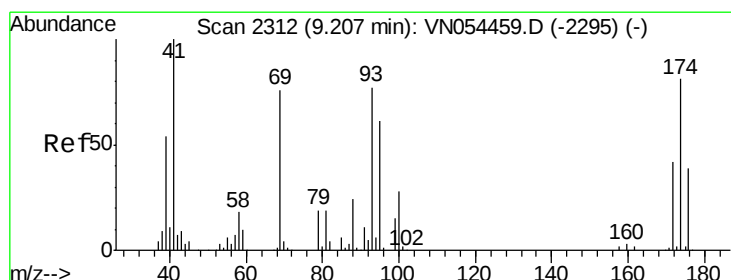
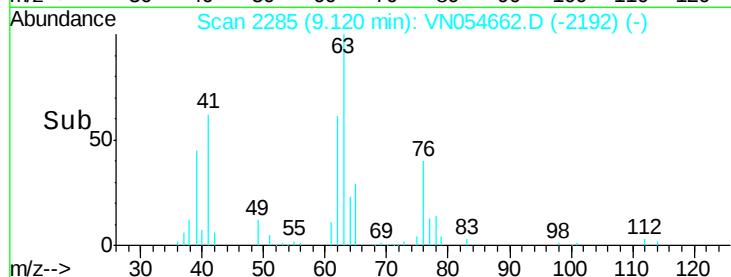
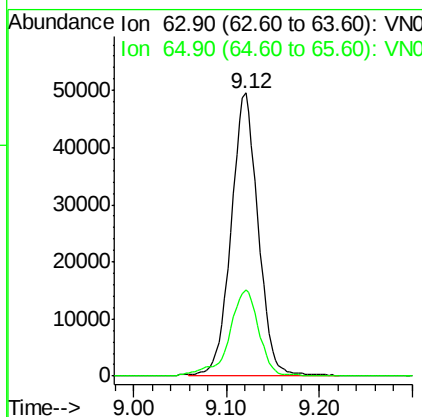
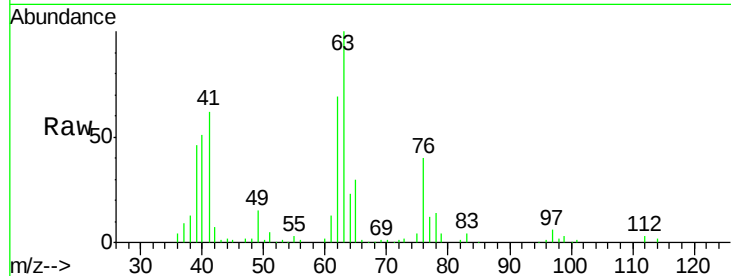
#45
 1,2-Dichloropropane
 Concen: 20.376 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion: 63 Resp: 100592
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

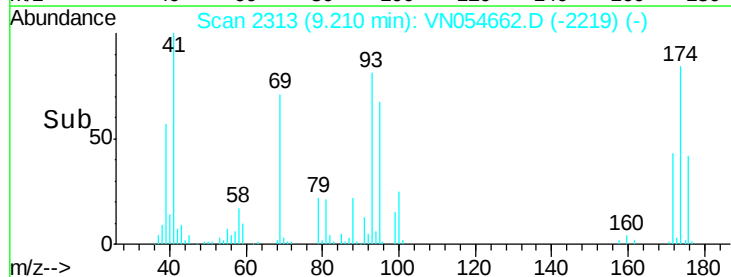
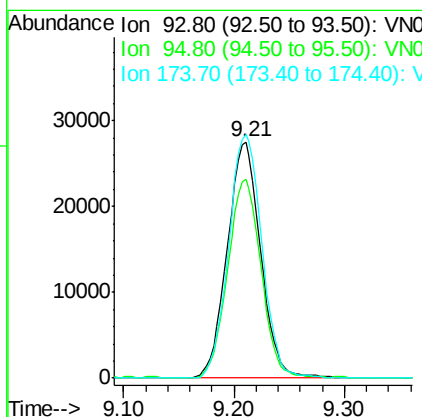
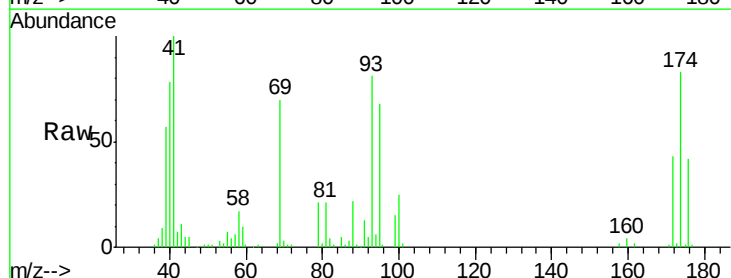
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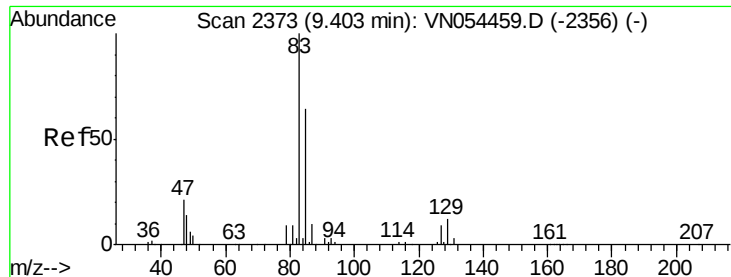
MMDadoda
 3/26/2019 12:32:50 PM



#46
 Dibromomethane
 Concen: 19.626 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 93 Resp: 57802
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 102.6 98.5 147.7





#47

Bromodichloromethane

Concen: 19.715 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

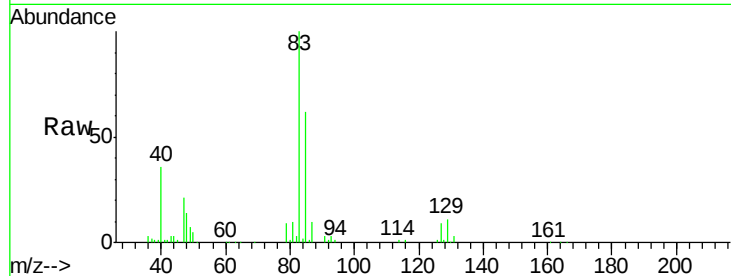
ClientSampleId :

VN0325WBS01

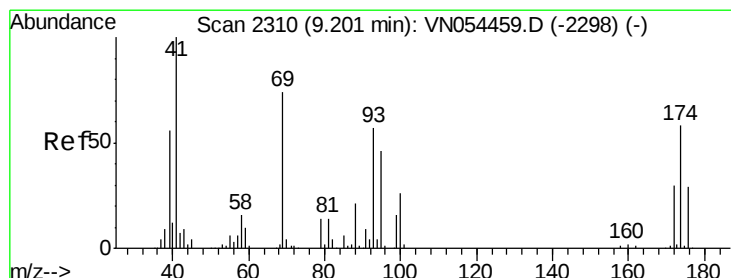
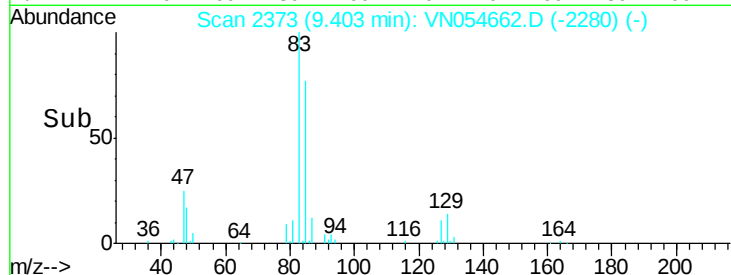
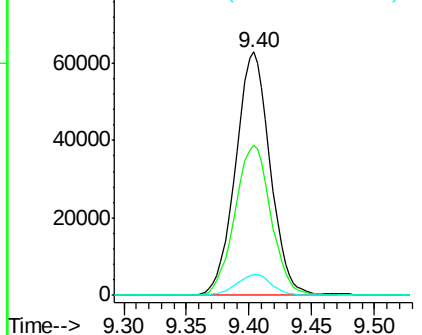
Tot Ion:	83	Resp:	120507
Ion Ratio		Lower	Upper
83	100		
85	61.6	52.8	79.2
127	8.8	7.4	11.2

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



#48

Methyl methacrylate

Concen: 19.084 ug/l

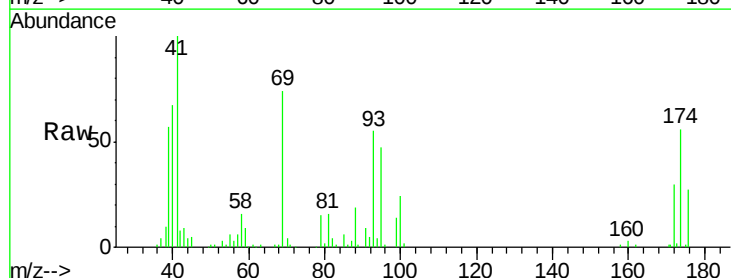
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

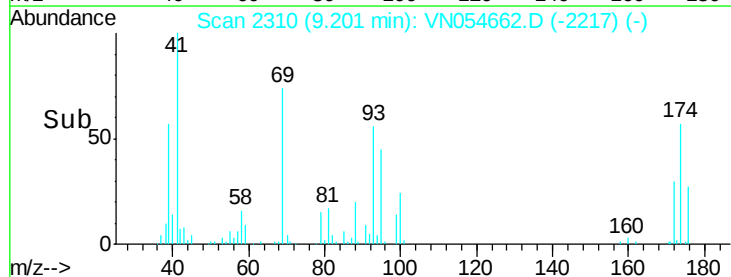
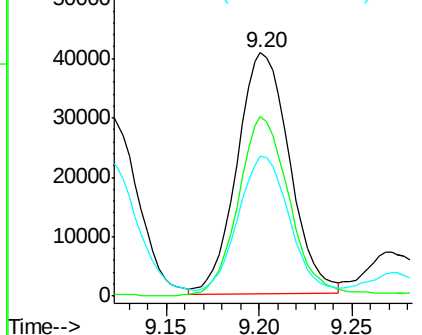
Lab File: VN054662.D

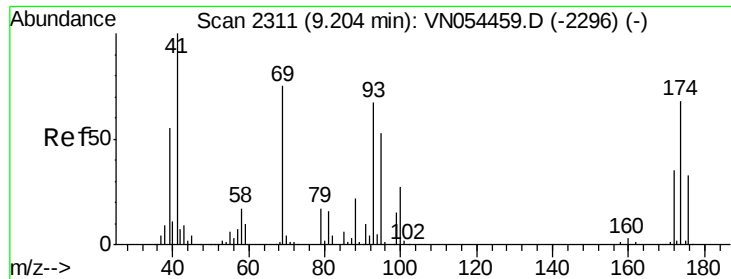
Acq: 25 Mar 2019 10:36

Tgt Ion:	41	Resp:	79995
Ion Ratio		Lower	Upper
41	100		
69	73.9	72.6	108.8
39	56.6	47.5	71.3



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





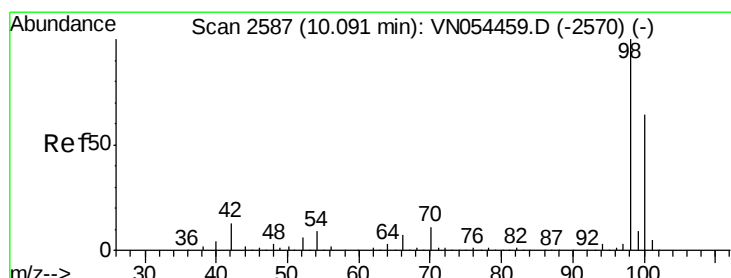
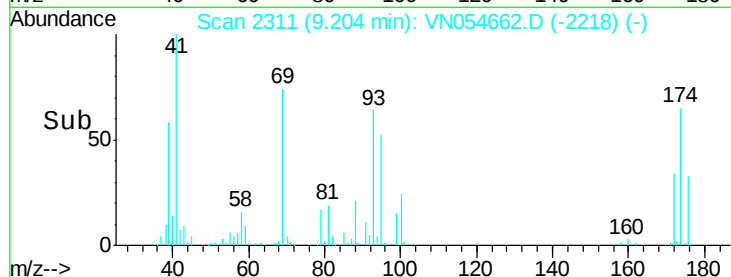
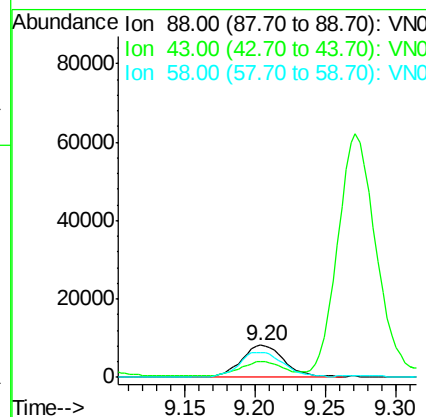
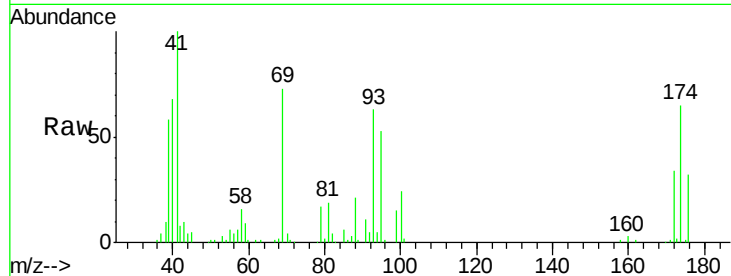
#49
1,4-Dioxane
Concen: 377.225 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	88	Resp	17677
Ion Ratio	100	Lower	Upper
88	100		
43	41.4	24.1	36.1#
58	80.7	50.8	76.2#

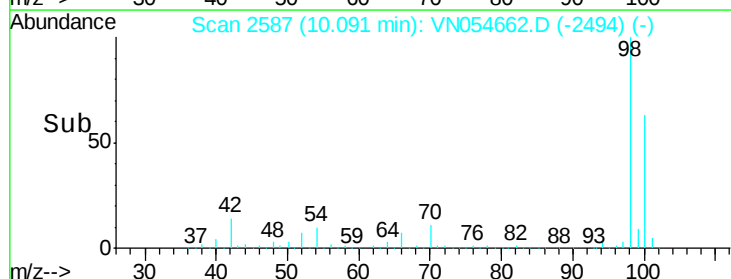
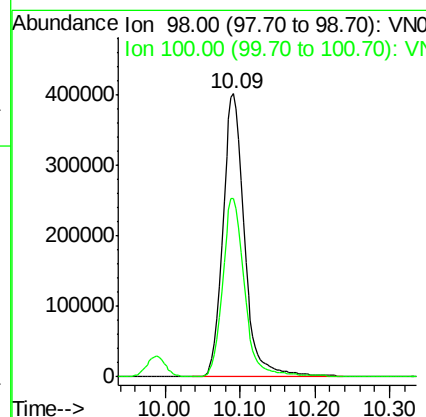
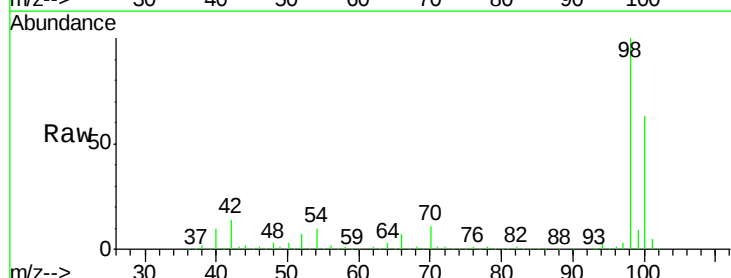
Manual Integrations
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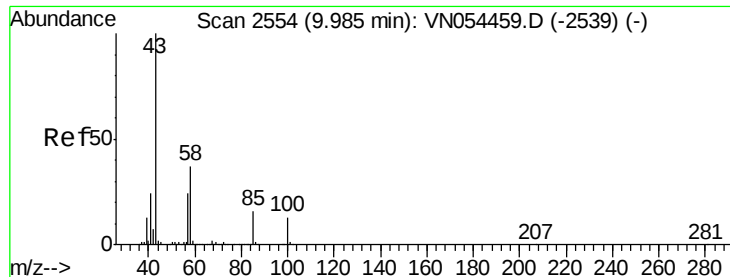
MMDadoda
3/26/2019 12:32:50 PM



#50
Toluene-d8
Concen: 48.330 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	98	Resp	804912
Ion Ratio	100	Lower	Upper
98	100		
100	63.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.406 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 43 Resp: 438303

Ion Ratio Lower Upper

43 100

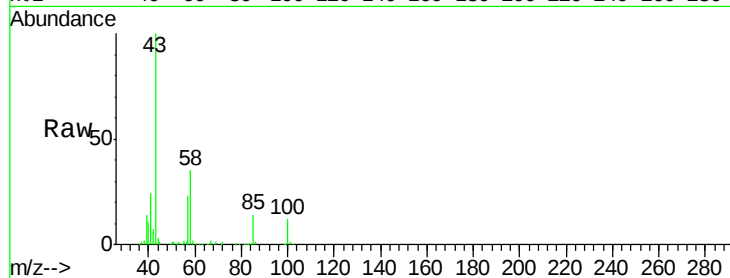
58 35.8 31.8 47.6

Manual Integrations

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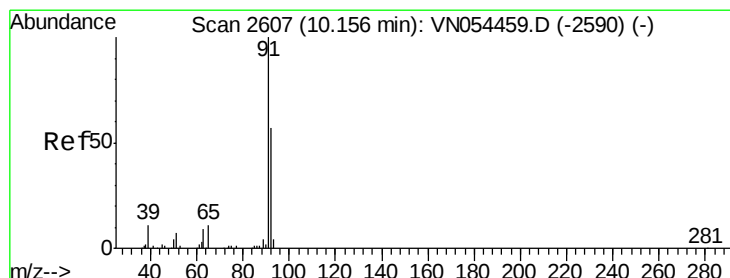
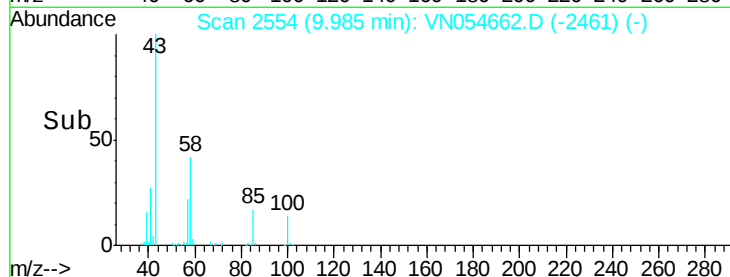
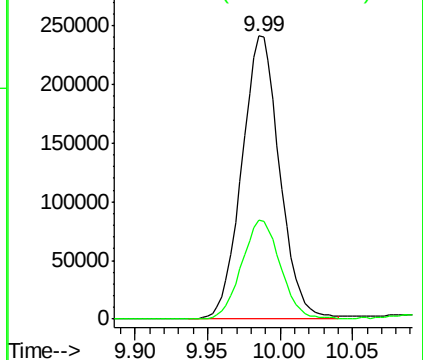
MMDadoda

3/26/2019 12:32:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.047 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054662.D

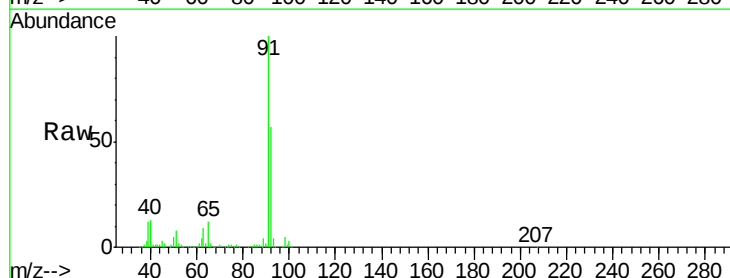
Acq: 25 Mar 2019 10:36

Tgt Ion: 92 Resp: 215376

Ion Ratio Lower Upper

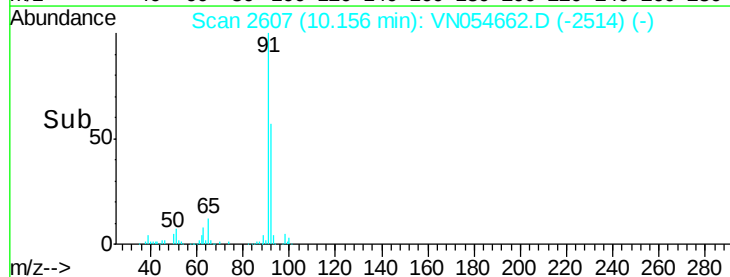
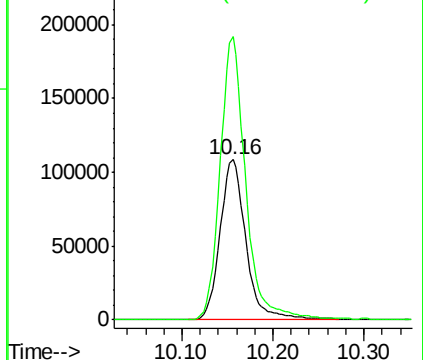
92 100

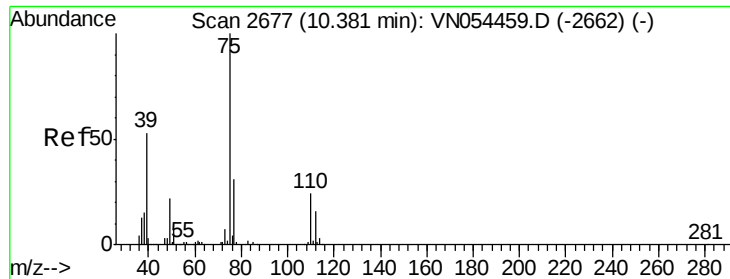
91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





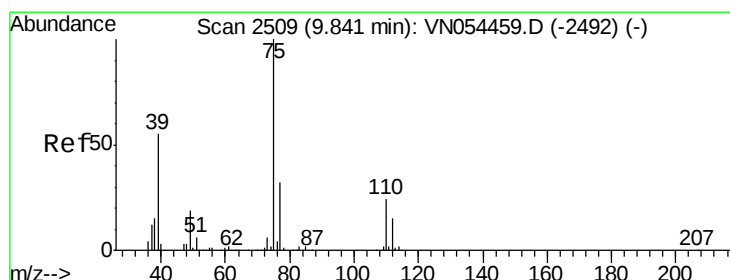
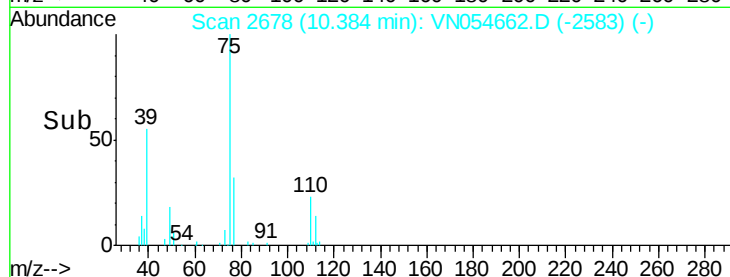
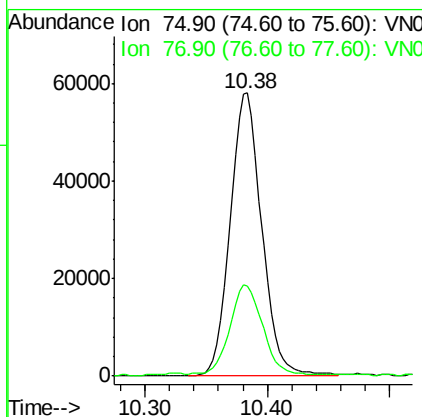
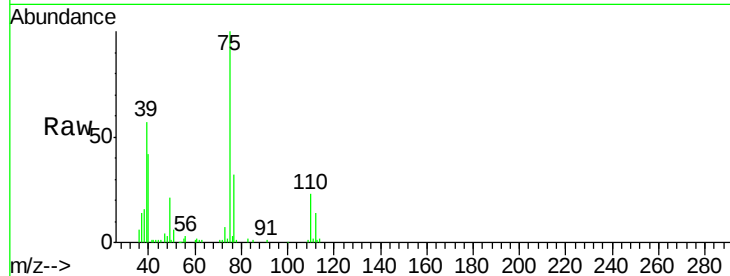
#53
t-1,3-Dichloropropene
Concen: 17.775 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8

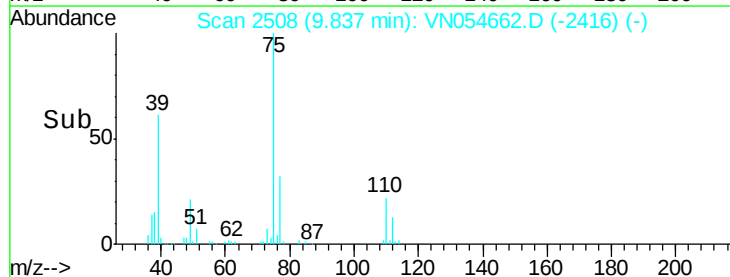
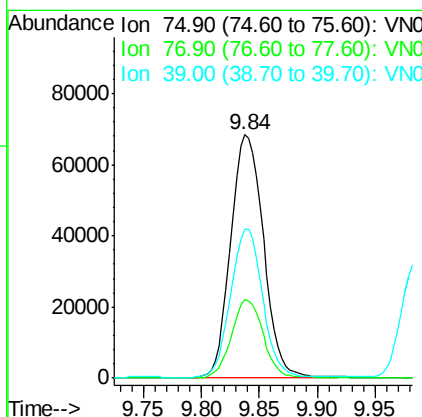
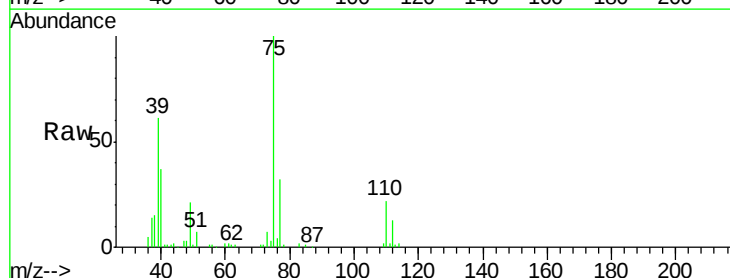
Manual Integrations
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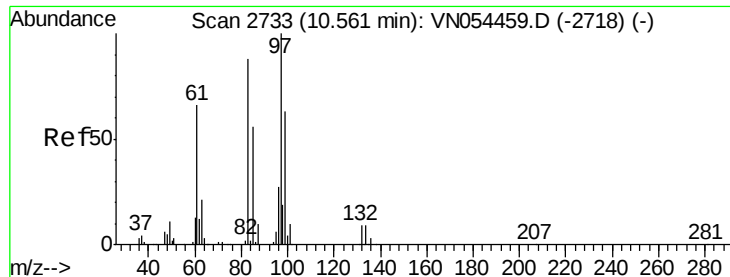
MMDadoda
3/26/2019 12:32:50 PM



#54
cis-1,3-Dichloropropene
Concen: 19.225 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	60.6	37.2	55.8#





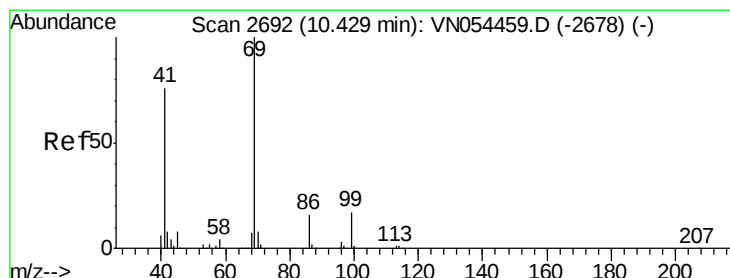
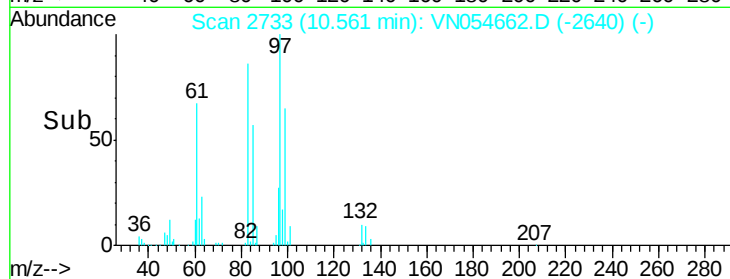
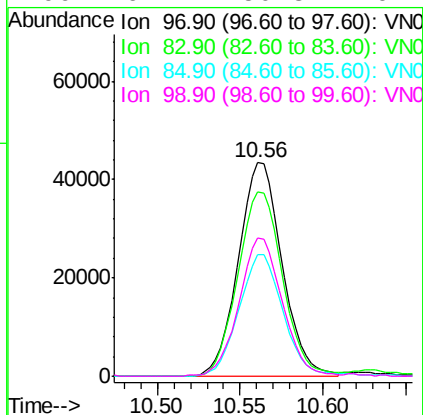
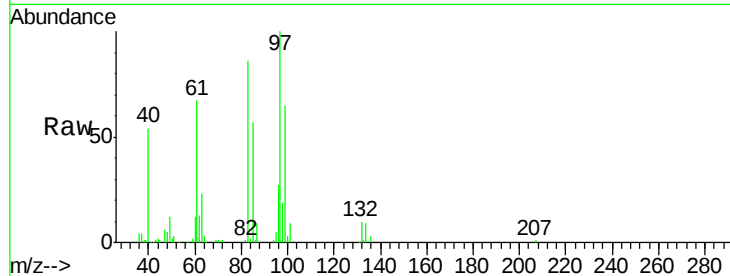
#55
 1,1,2-Trichloroethane
 Concen: 19.598 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion:	97	Resp:	79659
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.6	100.0
85	56.9	44.4	66.6
99	64.4	50.8	76.2

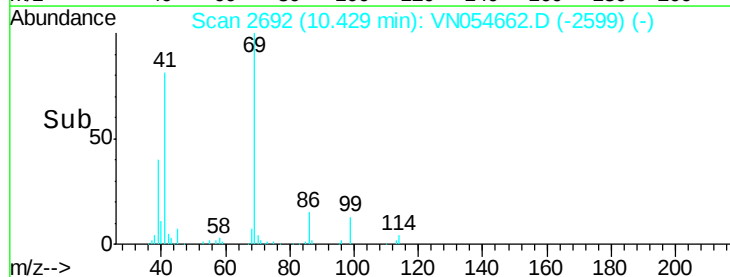
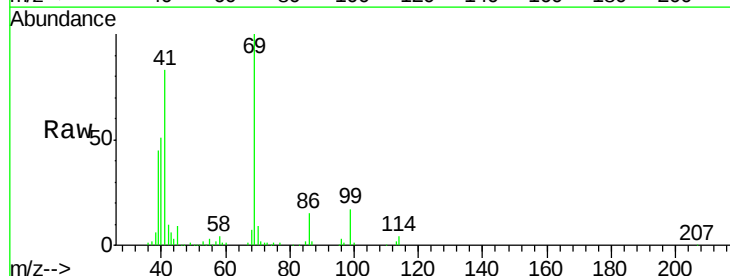
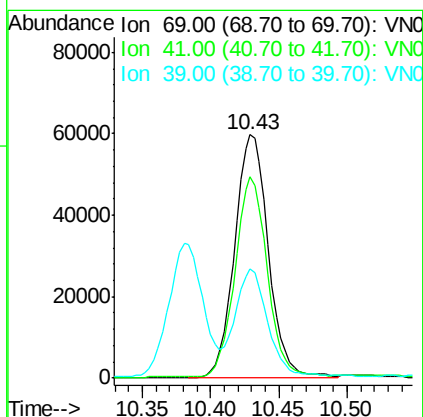
Manual Integrations
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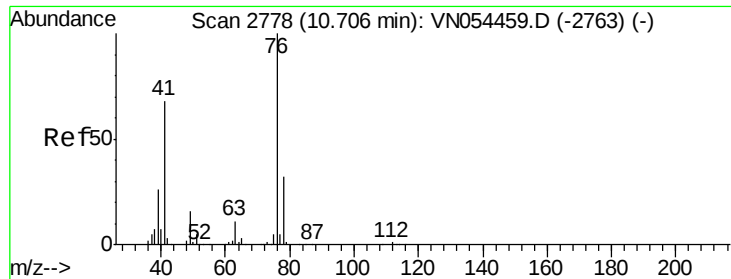
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 3/26/2019 12:32:50 PM



#56
 Ethyl methacrylate
 Concen: 18.866 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion:	69	Resp:	102930
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	43.3	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.170 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 76 Resp: 142519

Ion Ratio Lower Upper

76 100

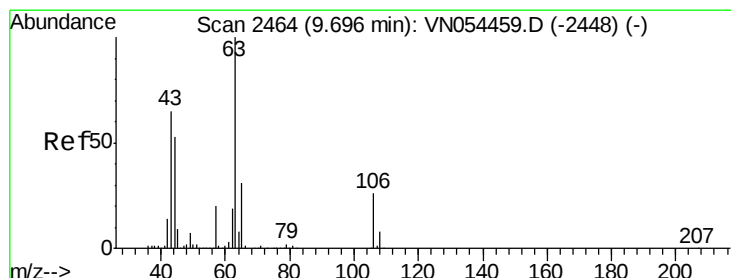
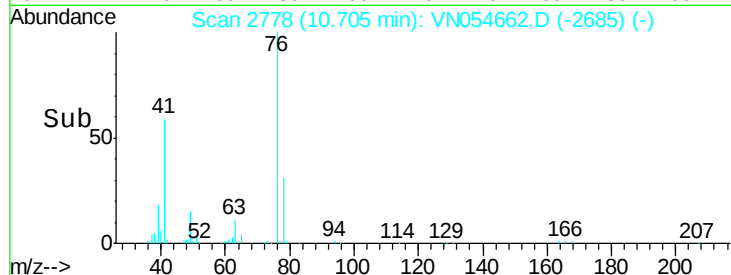
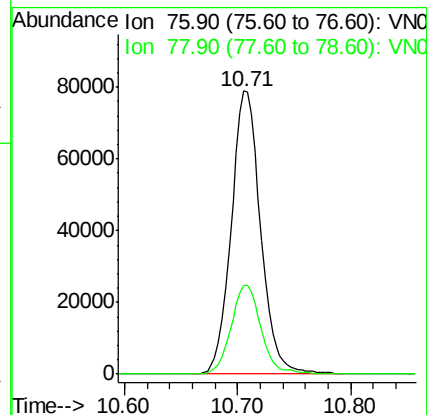
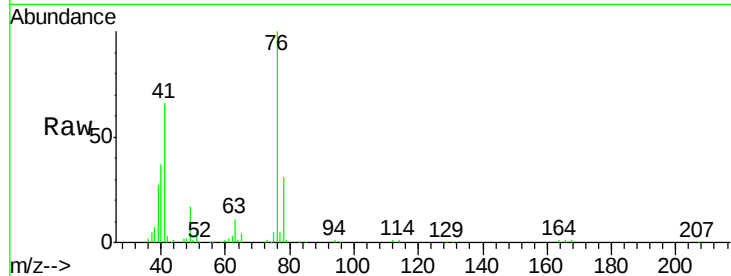
78 32.0 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 64.357 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054662.D

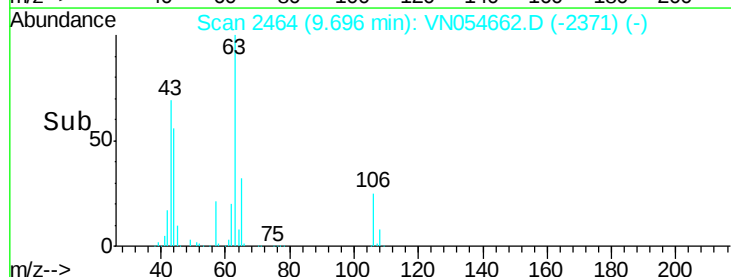
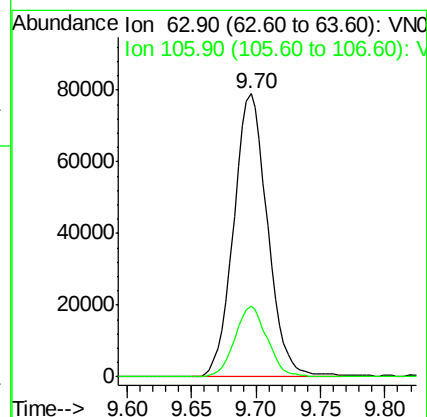
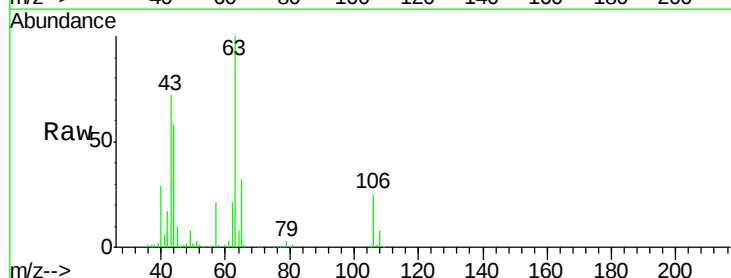
Acq: 25 Mar 2019 10:36

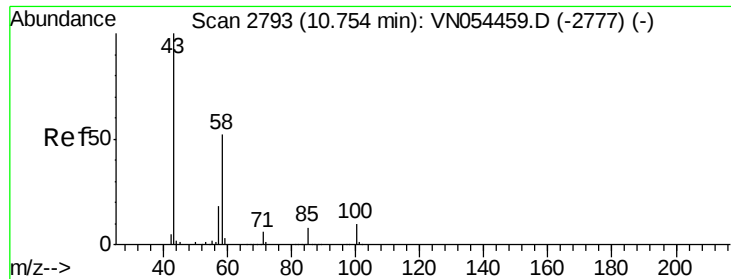
Tgt Ion: 63 Resp: 144581

Ion Ratio Lower Upper

63 100

106 23.7 24.4 36.6#





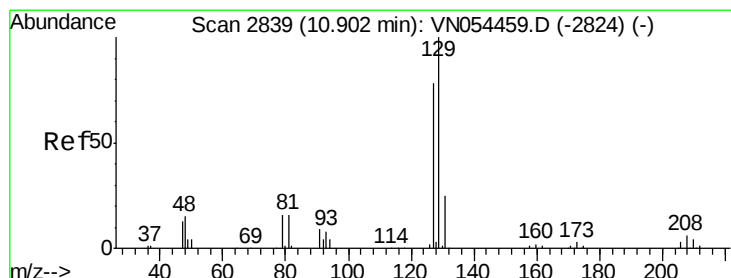
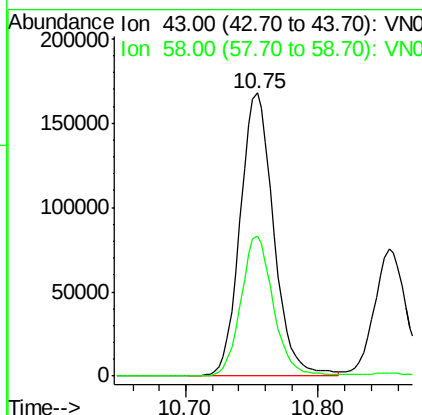
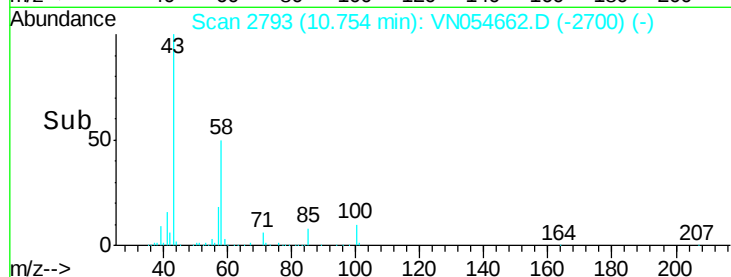
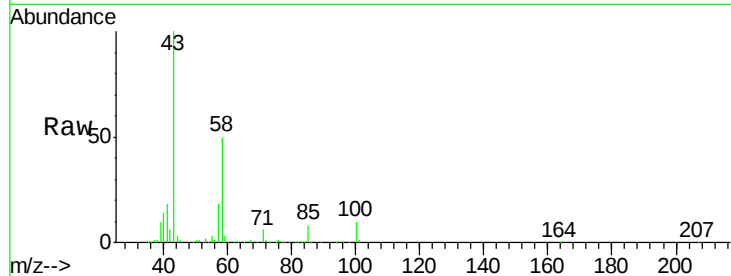
#59
2-Hexanone
Concen: 104.735 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion: 43 Resp: 292806
Ion Ratio Lower Upper
43 100
58 48.4 28.0 83.9

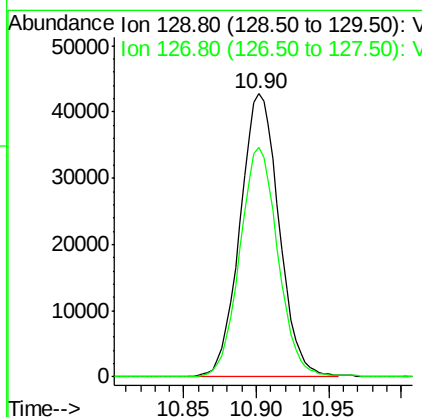
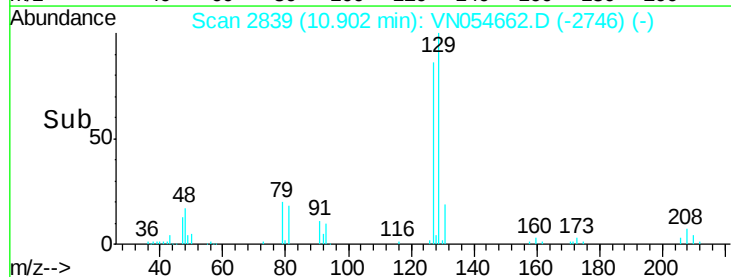
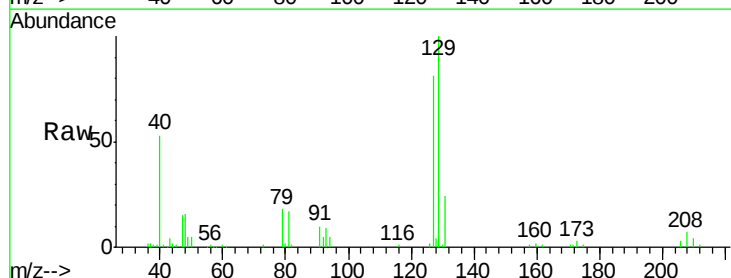
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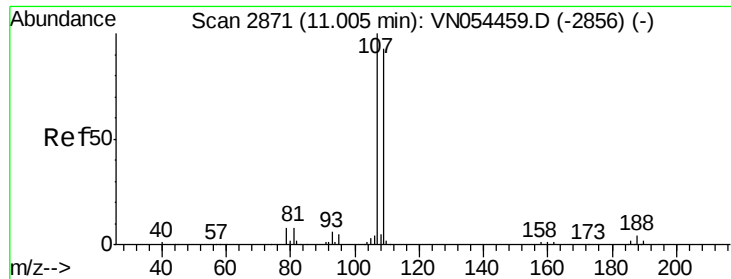
MMDadoda
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#60
Dibromochloromethane
Concen: 18.489 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 129 Resp: 79970
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.8





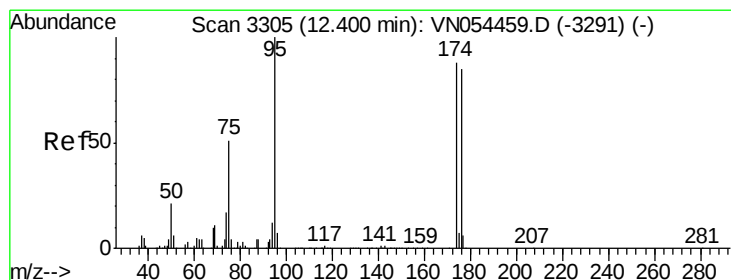
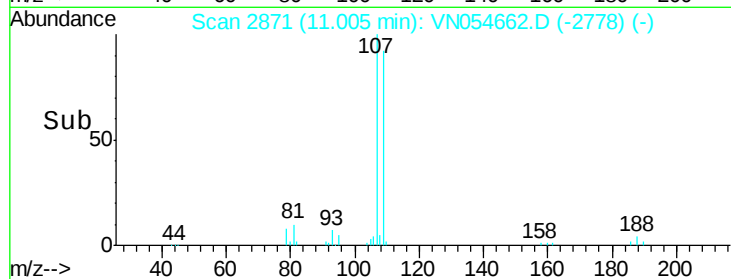
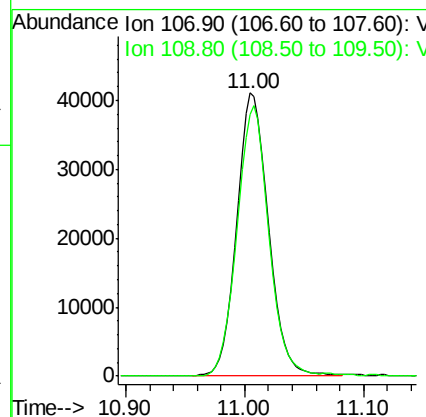
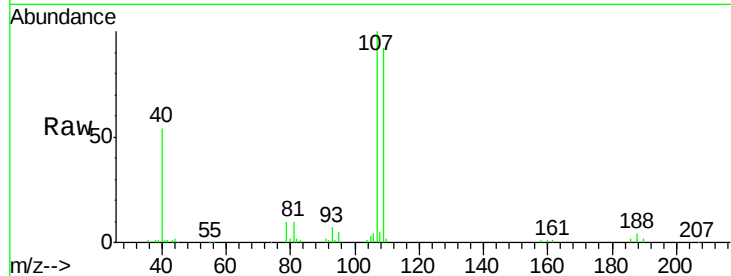
#61
 1,2-Dibromoethane
 Concen: 18.913 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.9	113.9

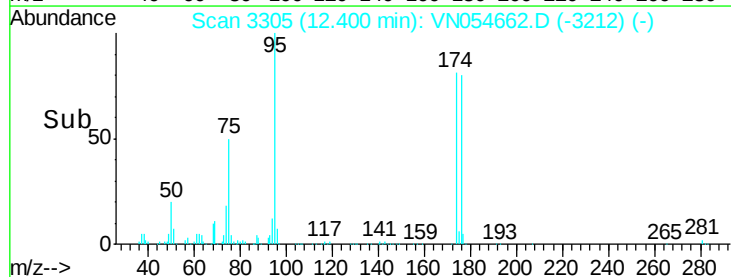
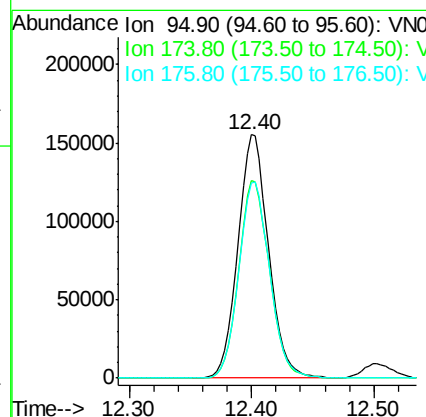
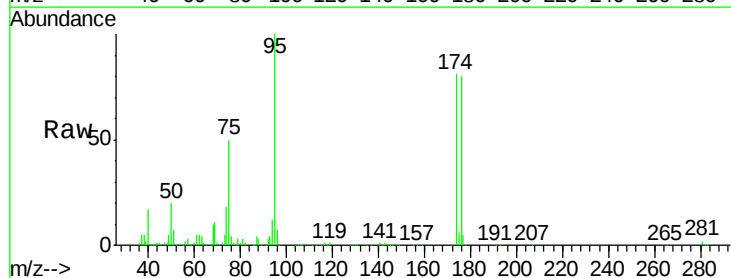
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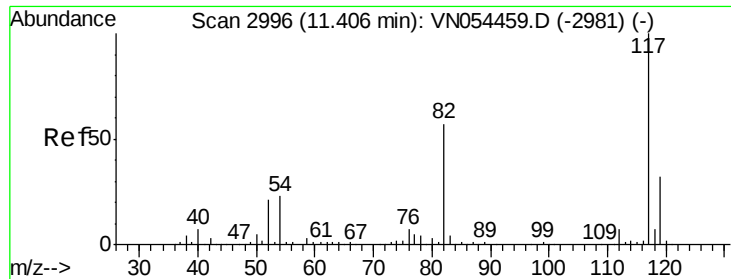
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#62
 4-Bromofluorobenzene
 Concen: 47.618 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	191.0
176	81.1	0.0	187.4





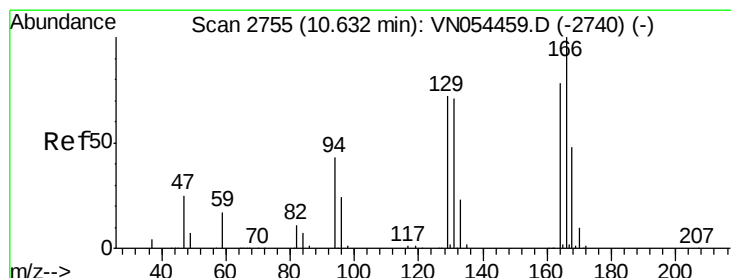
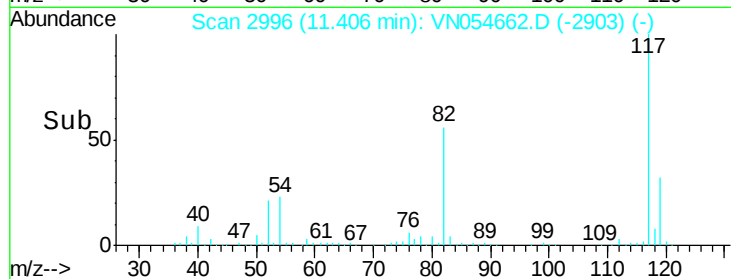
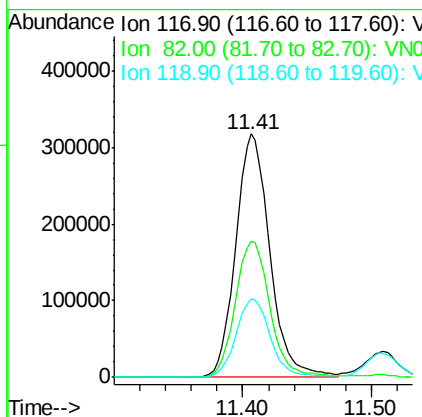
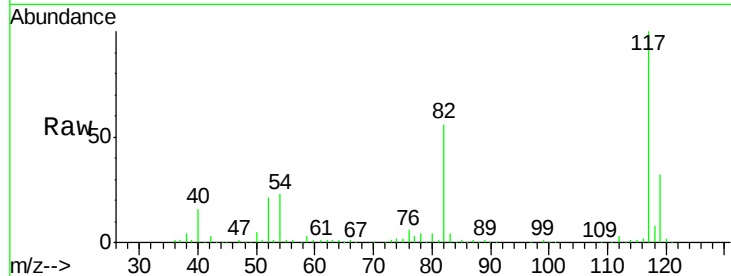
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	32.0	25.8	38.6

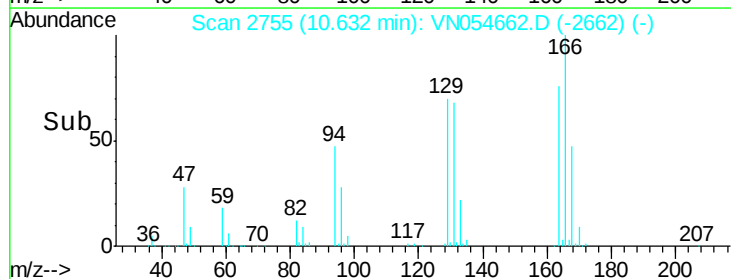
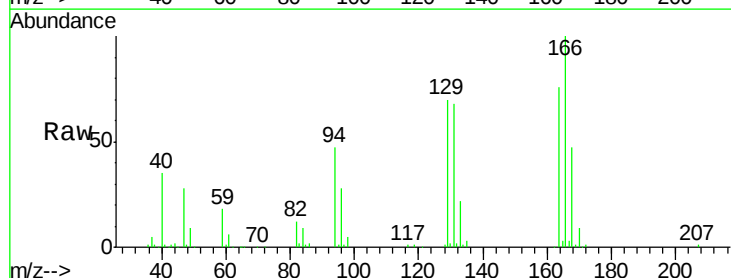
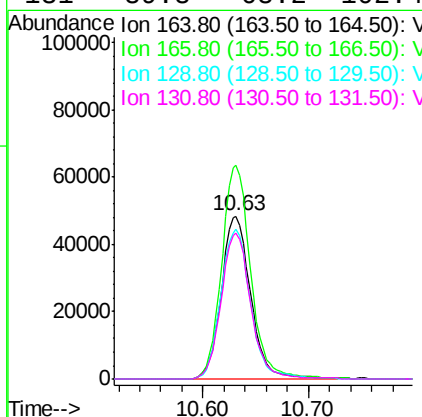
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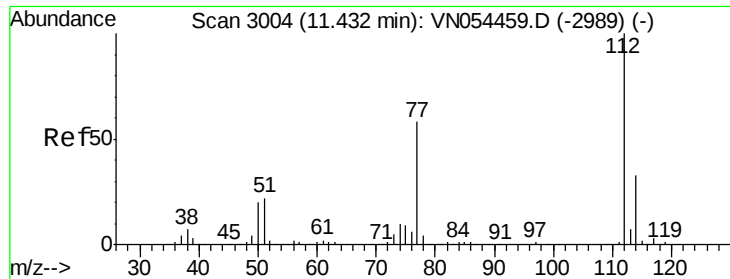
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#64
Tetrachloroethene
Concen: 19.275 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.9	155.9
129	92.3	71.1	106.7
131	89.8	68.2	102.4





#65

Chlorobenzene

Concen: 19.125 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion:112 Resp: 227026

Ion Ratio Lower Upper

112 100

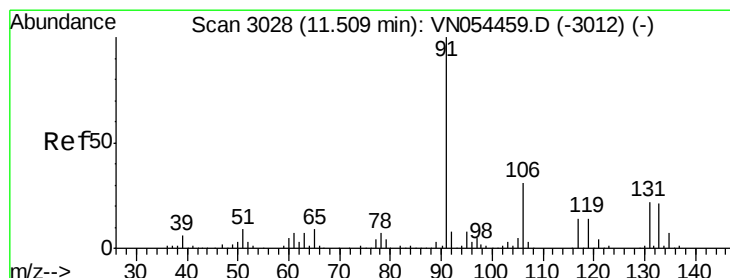
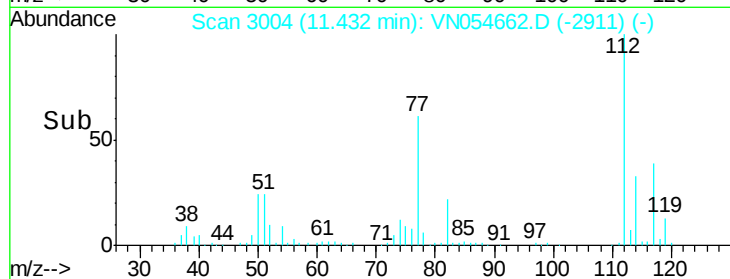
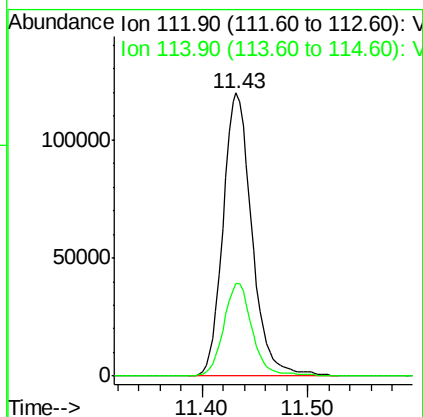
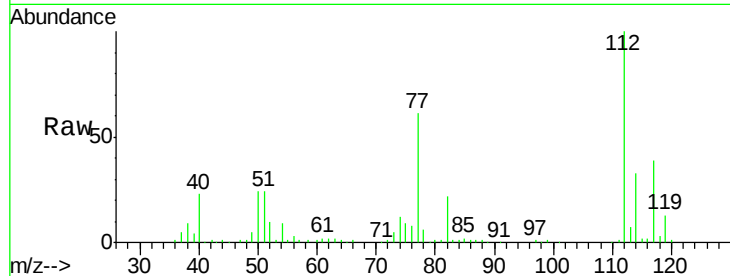
114 32.5 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.635 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

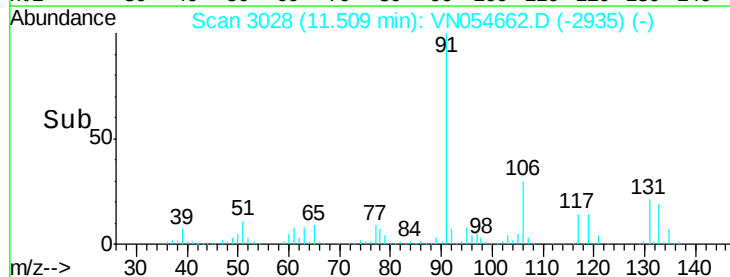
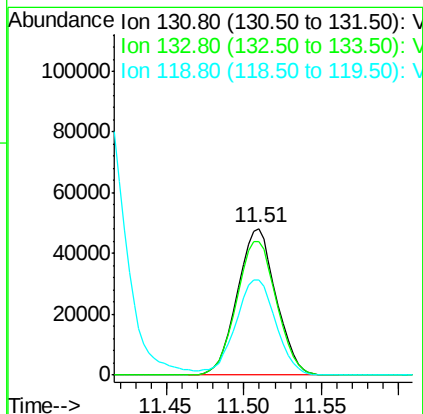
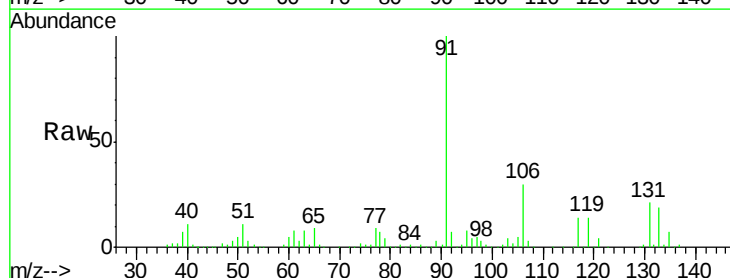
Tgt Ion:131 Resp: 83661

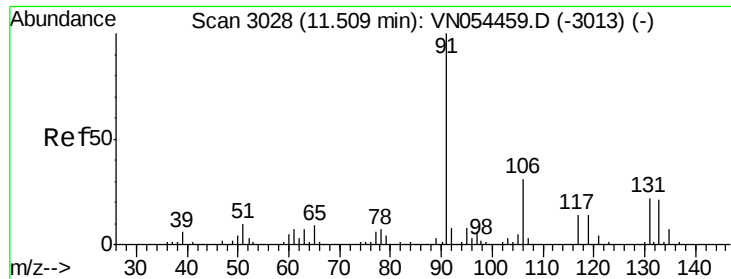
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

119 67.8 32.4 97.0





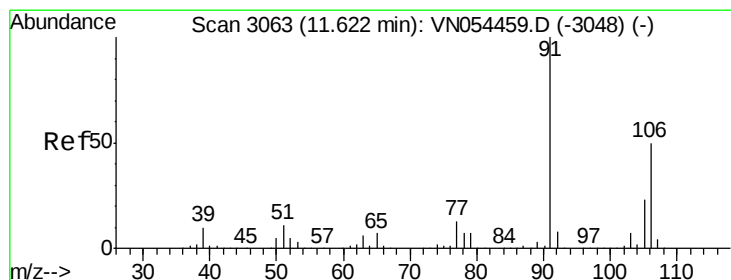
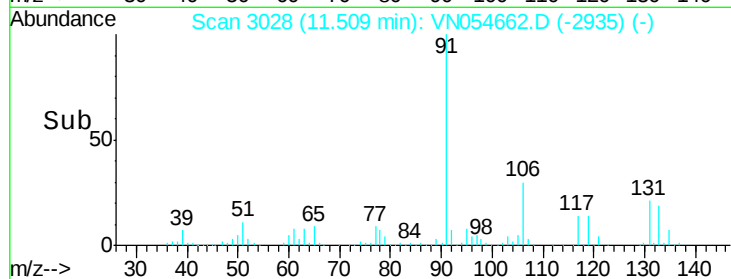
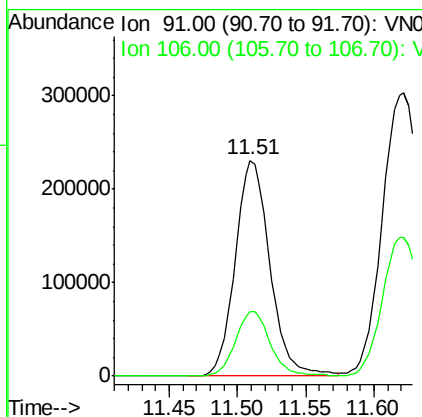
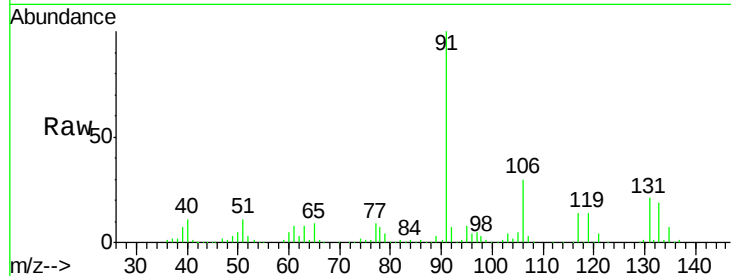
#67
Ethyl Benzene
Concen: 19.453 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion: 91 Resp: 407891
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3

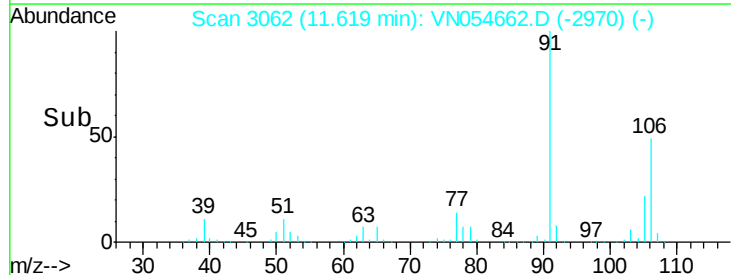
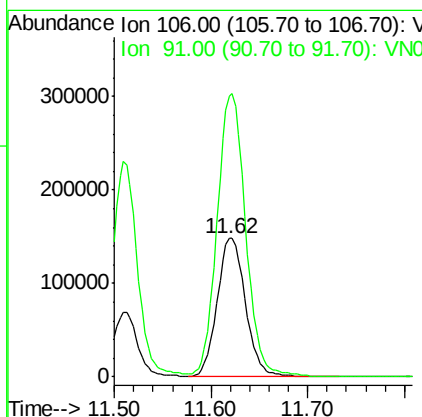
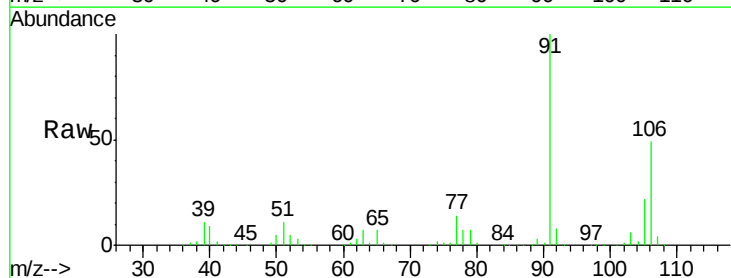
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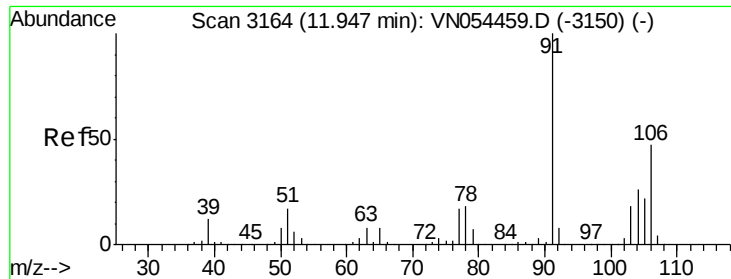
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#68
m/p-Xylenes
Concen: 38.149 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 106 Resp: 302991
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2





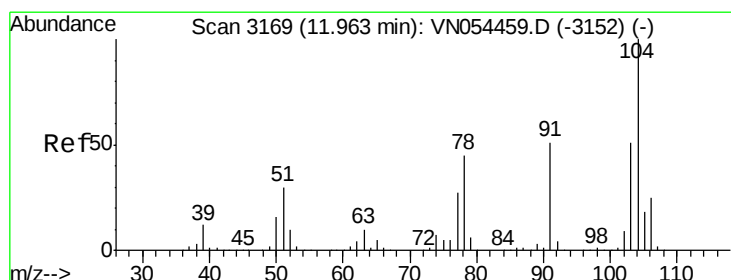
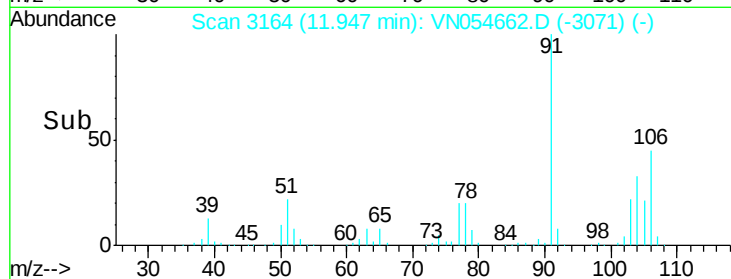
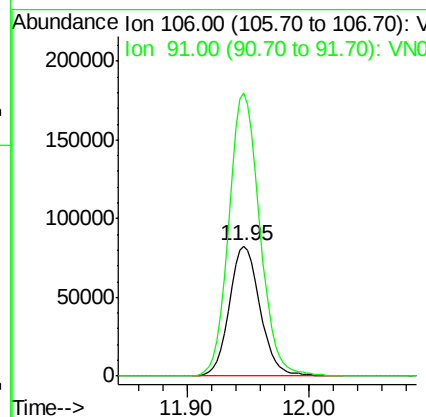
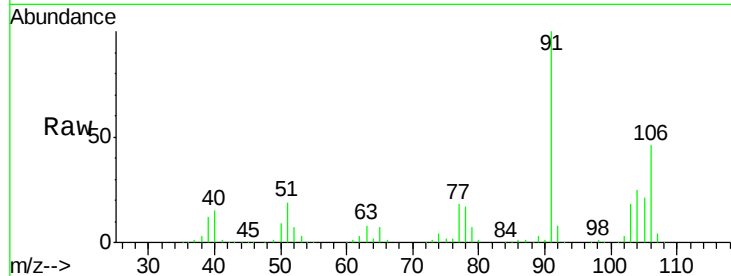
#69
o-Xylene
Concen: 18.869 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion:106 Resp: 146359
Ion Ratio Lower Upper
106 100
91 218.5 105.7 317.1

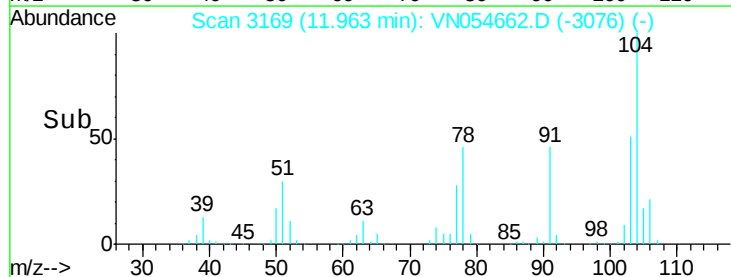
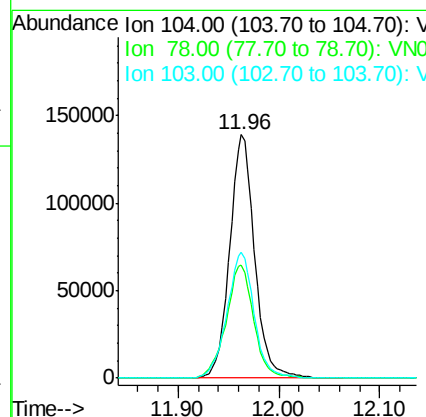
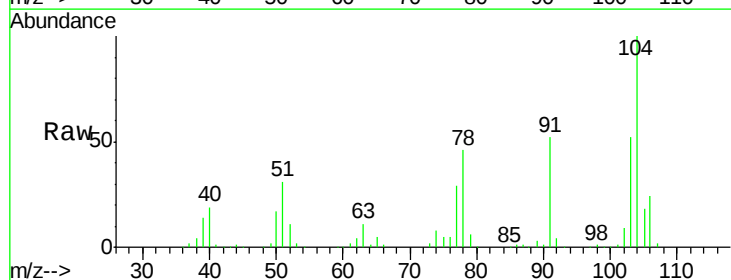
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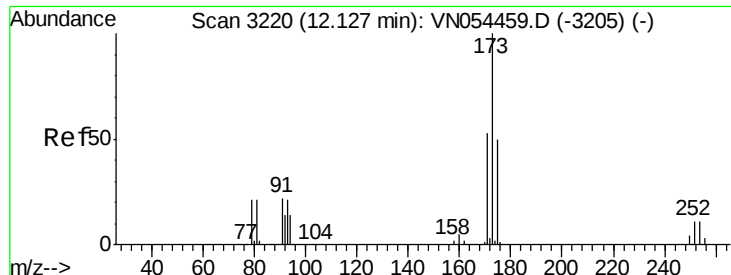
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#70
Styrene
Concen: 19.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion:104 Resp: 240099
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 56.5 44.4 66.6





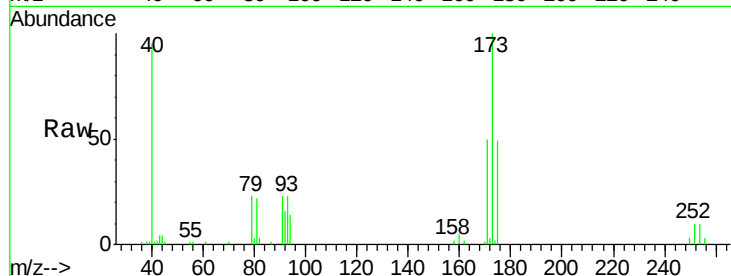
#71
Bromoform
Concen: 17.319 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

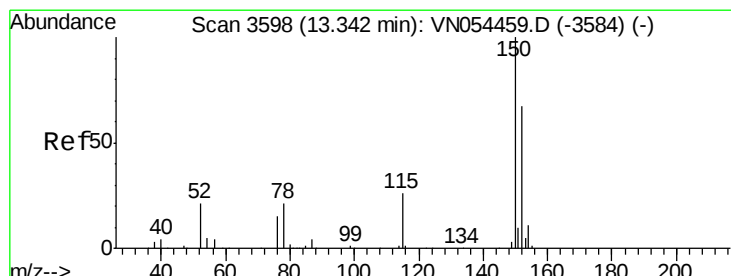
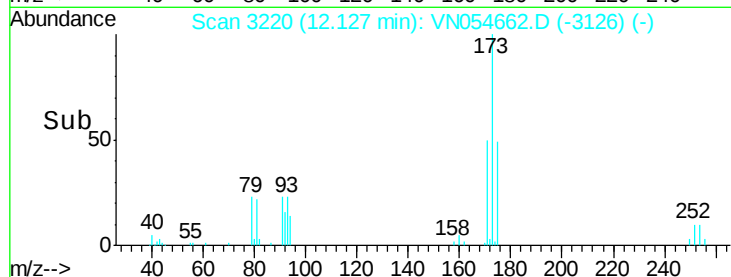
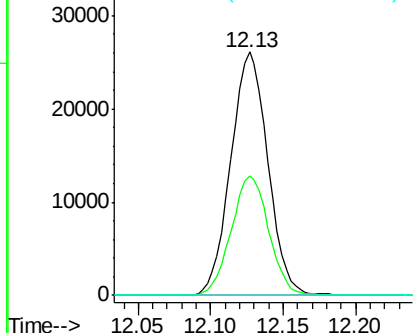
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.0	0.1	0.1#

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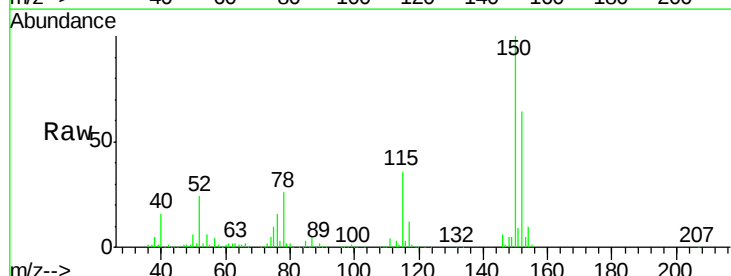


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

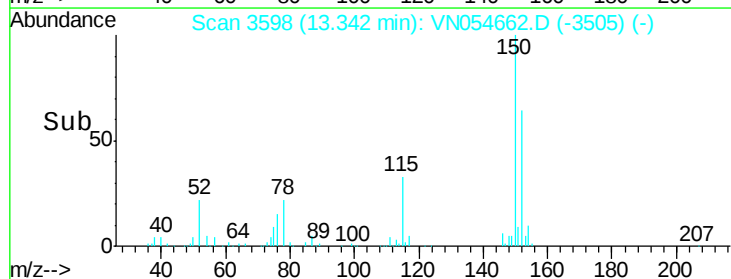
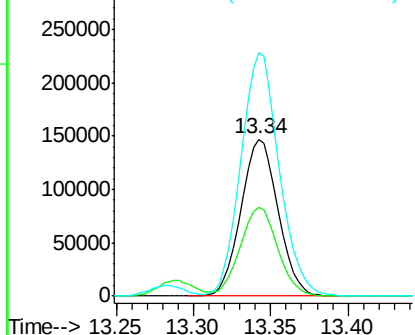


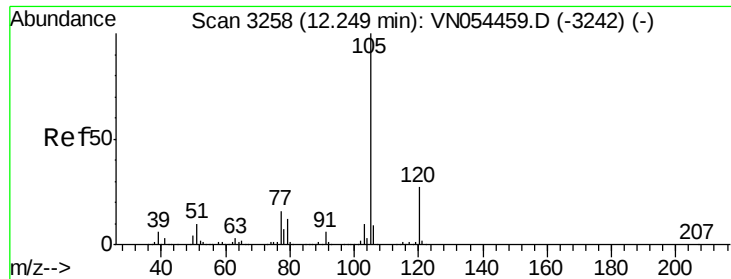
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.2	81.6
150	160.5	0.0	349.2



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





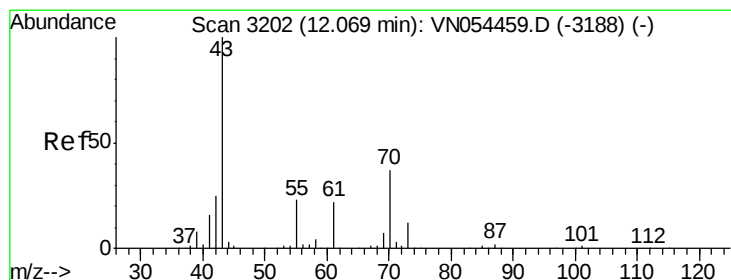
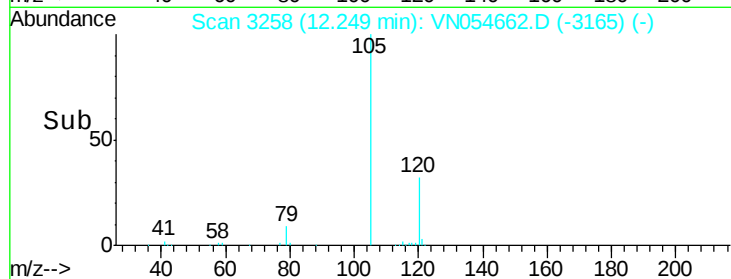
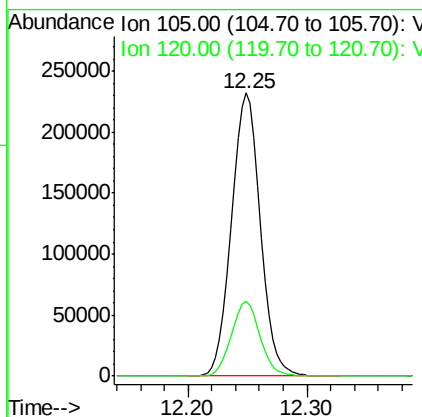
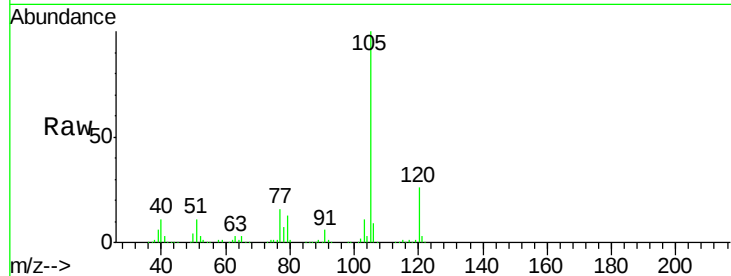
#73
Isopropylbenzene
Concen: 19.668 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.8	41.3

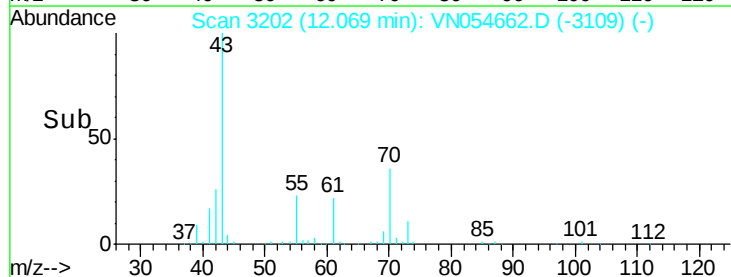
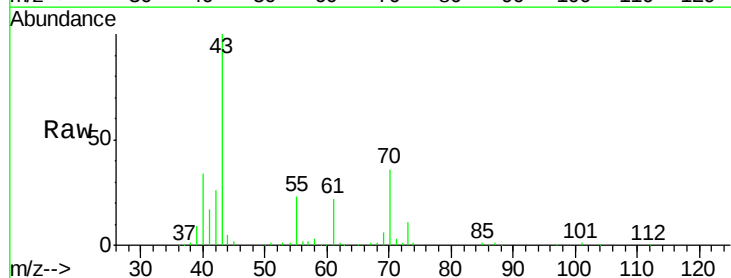
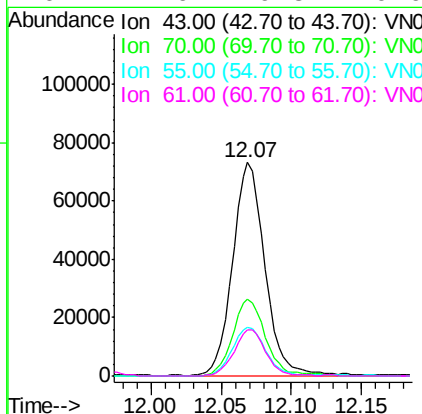
Manual Integrations
APPROVED

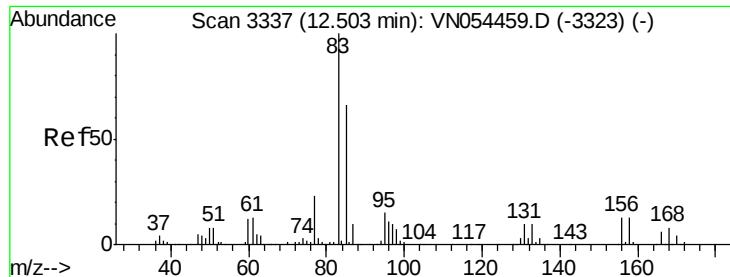
MMDadoda
3/26/2019 12:32:50 PM



#74
N-ethyl acetate
Concen: 20.482 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	35.4	53.0
55	23.8	19.8	29.6
61	21.6	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.004 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

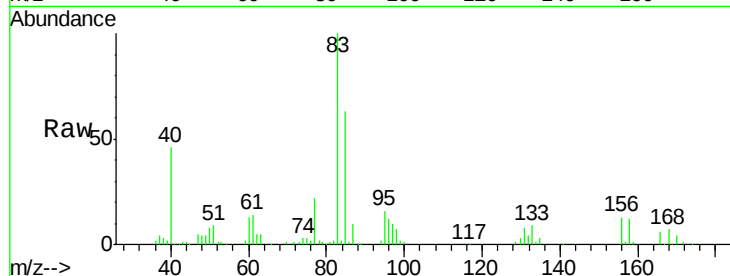
ClientSampleId :

VN0325WBS01

Tot Ion:	83	Resp:	94911
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.8	17.4
85	63.6	32.2	96.6

Manual Integrations
APPROVED

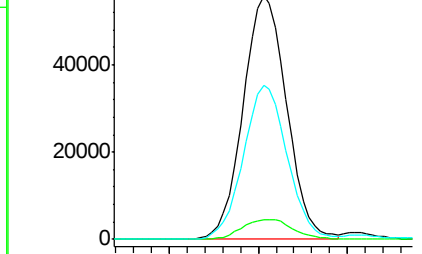
MMDadoda
3/26/2019 12:32:50 PM



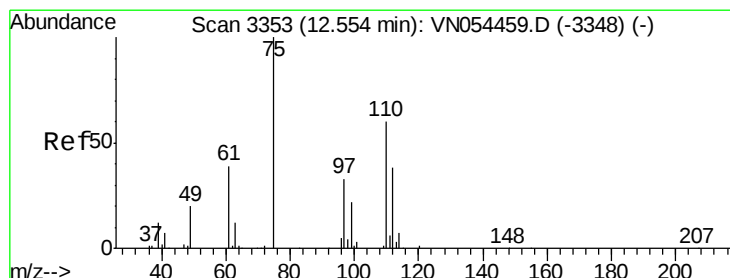
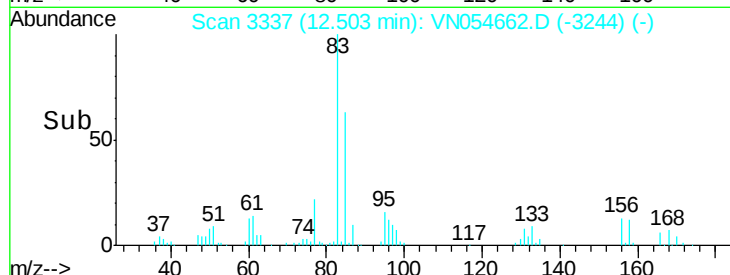
Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.158 ug/l m

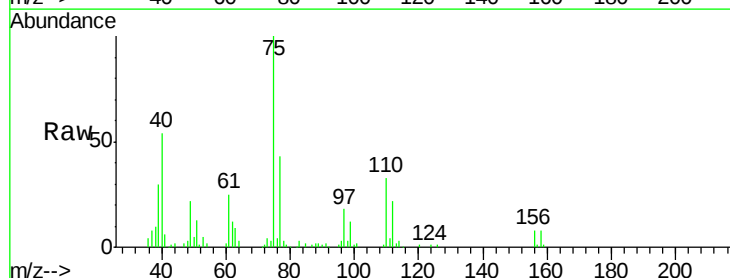
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054662.D

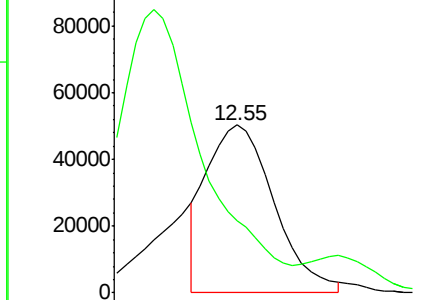
Acq: 25 Mar 2019 10:36

Tgt Ion:	75	Resp:	82476
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

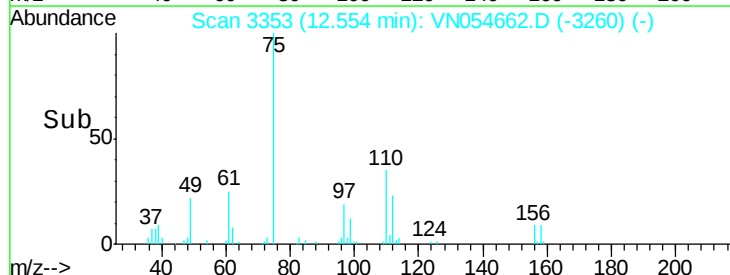


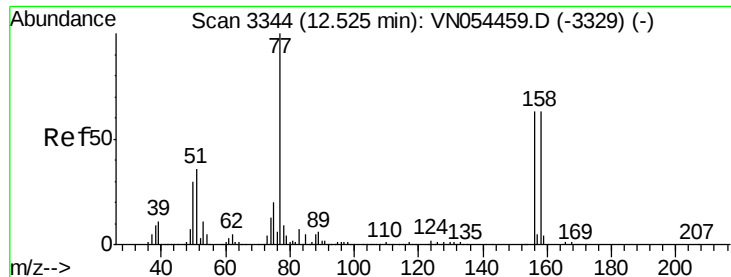
Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)



Time-->





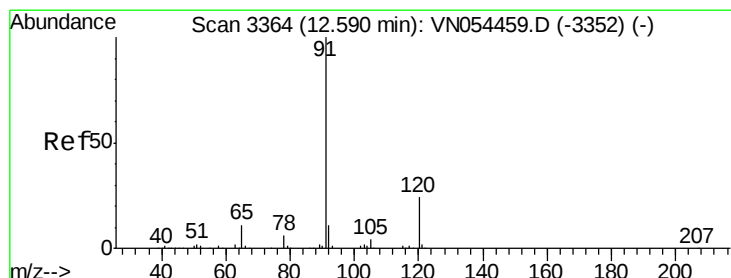
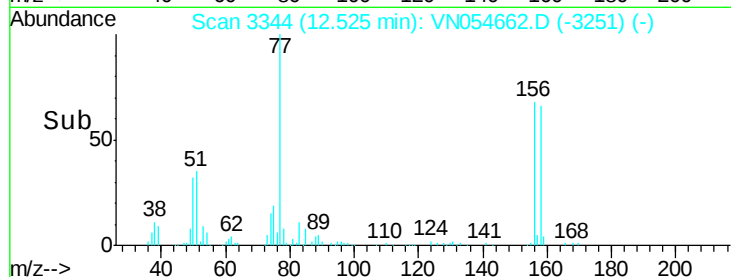
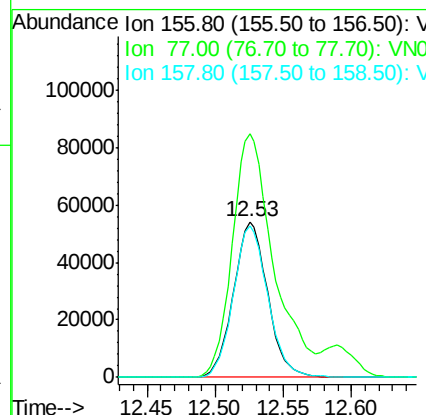
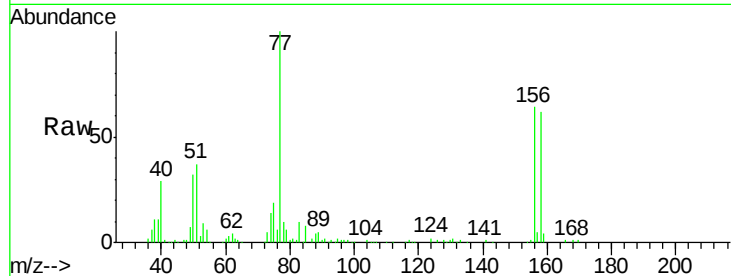
#77
Bromobenzene
Concen: 19.226 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.5	81.5	244.4
158	98.5	49.0	147.2

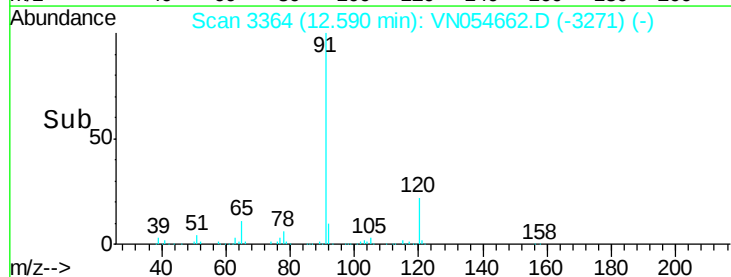
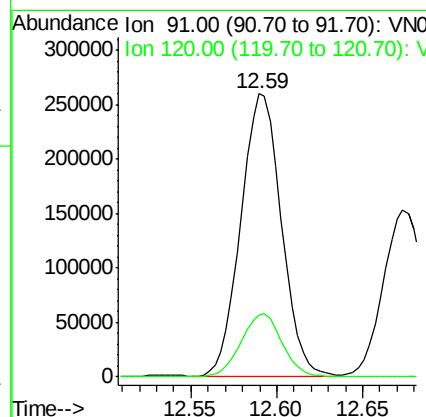
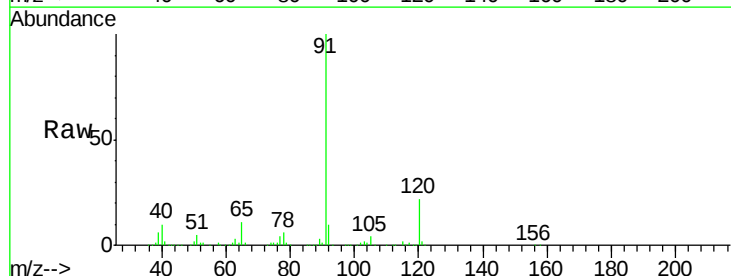
Manual Integrations
APPROVED

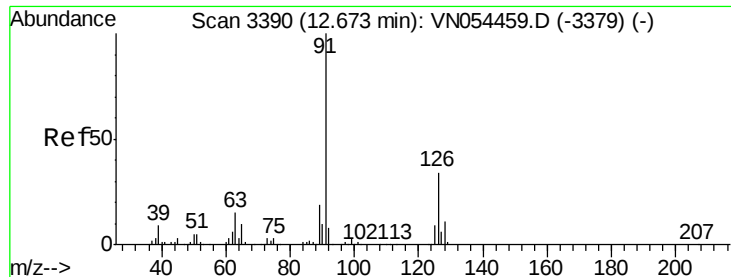
MMDadoda
3/26/2019 12:32:50 PM



#78
n-propylbenzene
Concen: 19.776 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.351 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 91 Resp: 259025

Ion Ratio Lower Upper

91 100

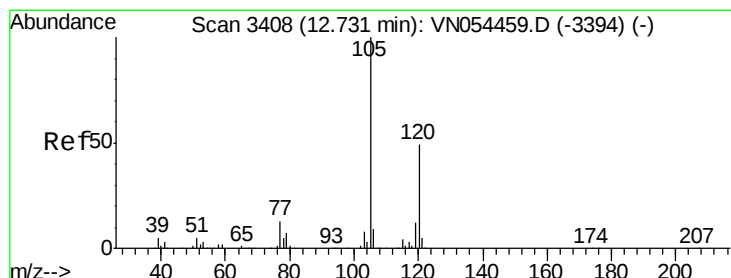
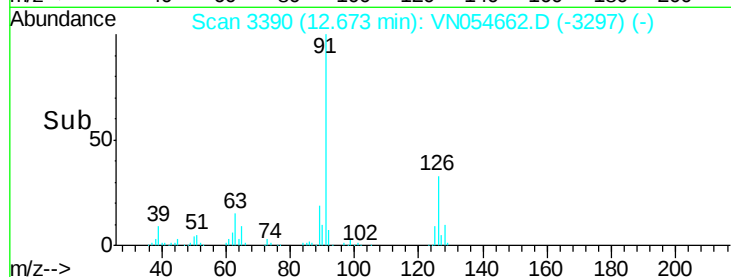
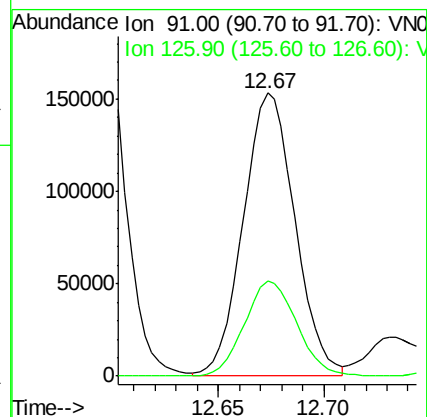
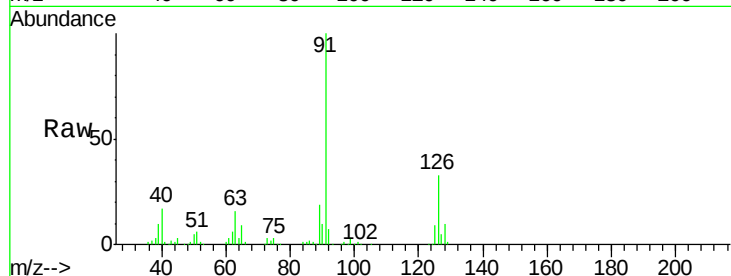
126 34.4 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.339 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054662.D

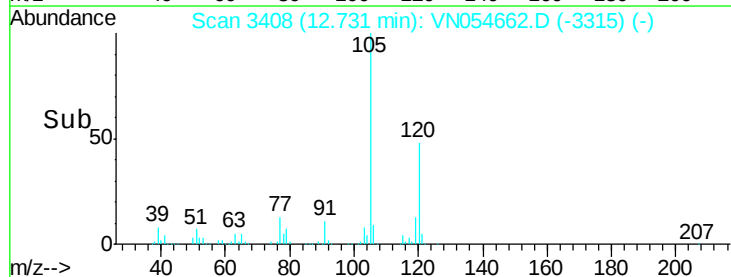
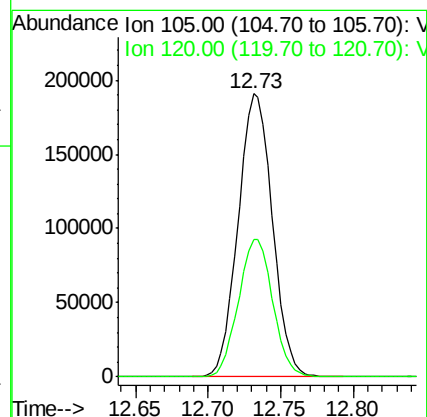
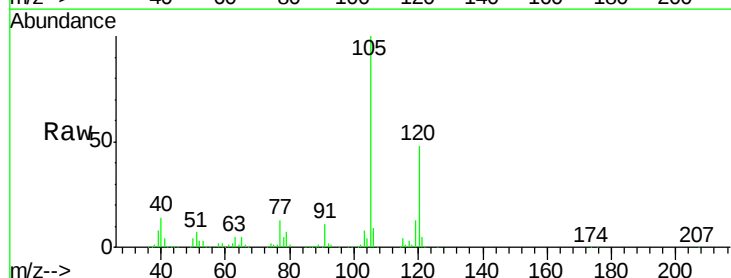
Acq: 25 Mar 2019 10:36

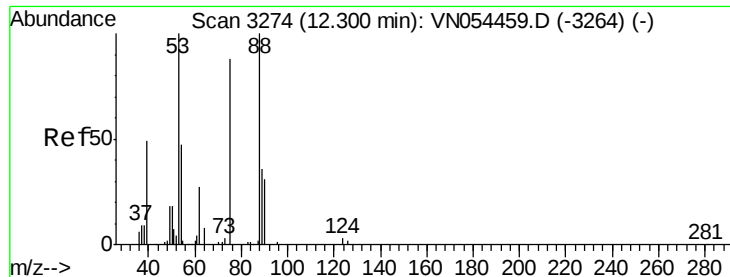
Tgt Ion: 105 Resp: 313748

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.716 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 75 Resp: 17560

Ion Ratio Lower Upper

75 100

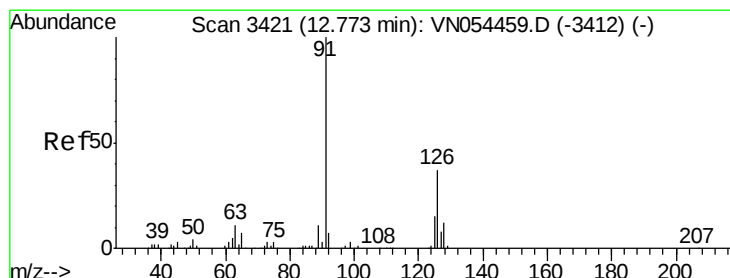
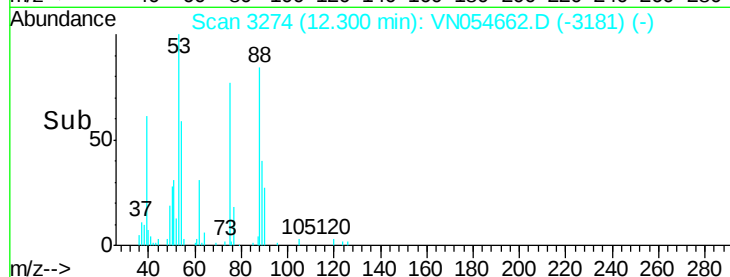
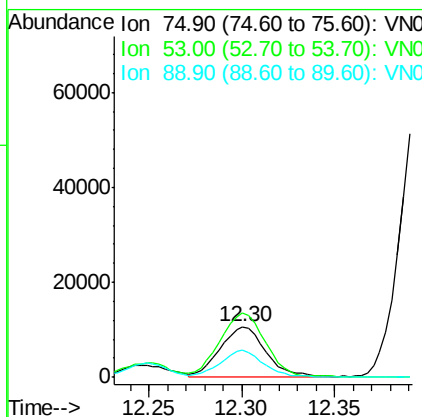
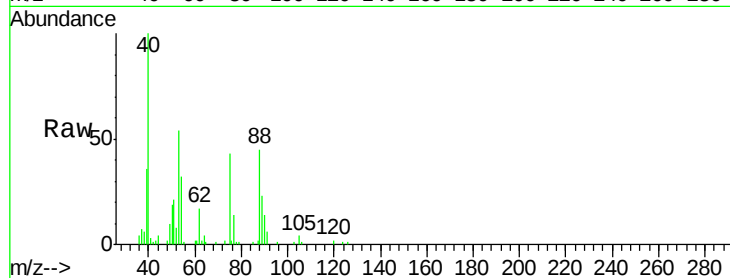
53 133.3 76.2 114.2#

89 52.5 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.381 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054662.D

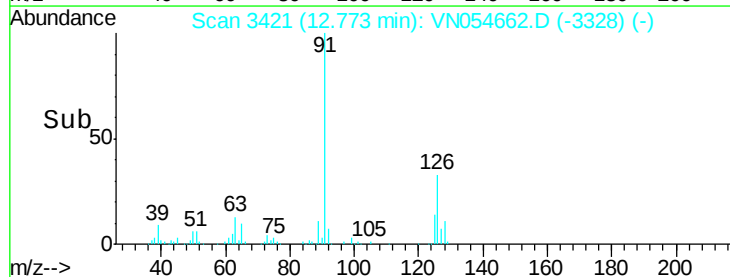
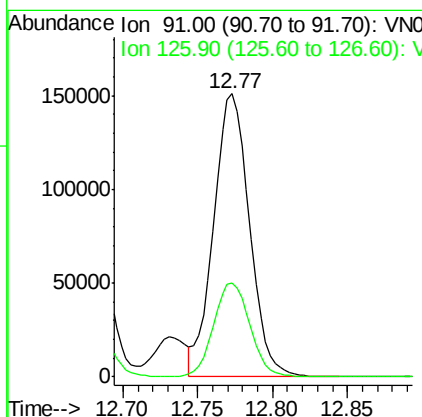
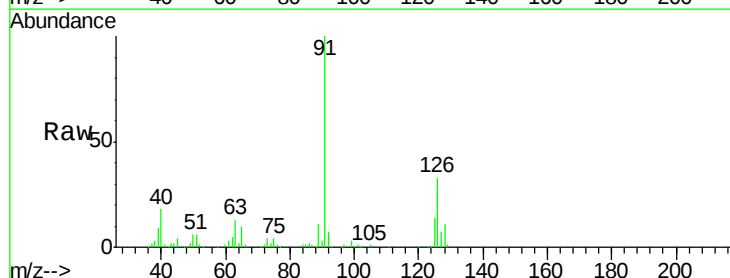
Acq: 25 Mar 2019 10:36

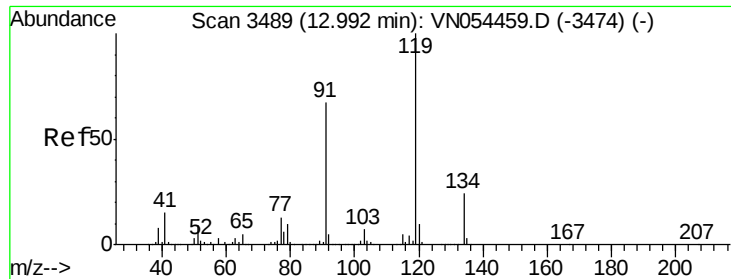
Tgt Ion: 91 Resp: 251456

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





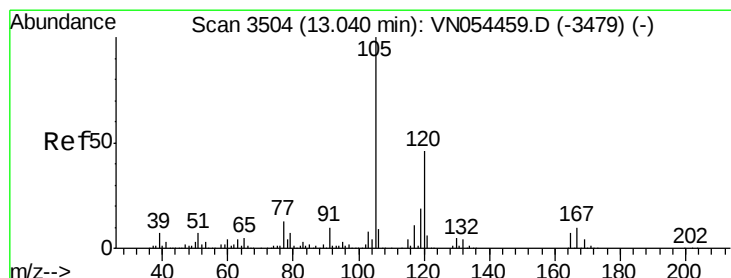
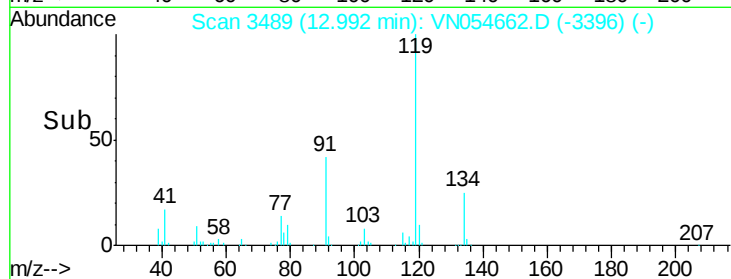
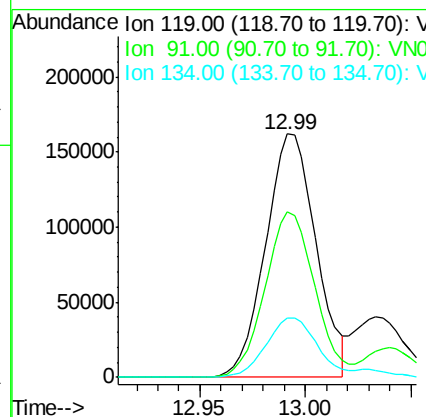
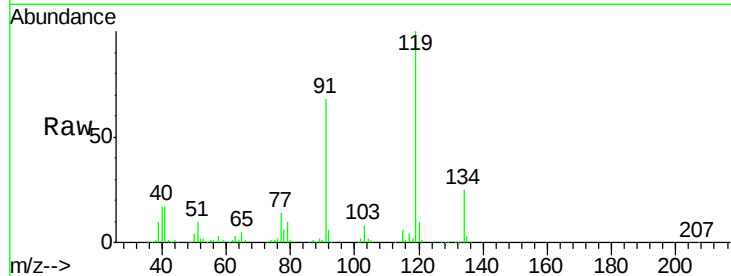
#83
 tert-Butylbenzene
 Concen: 19.080 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	30.9	92.8
134	24.8	13.2	39.6

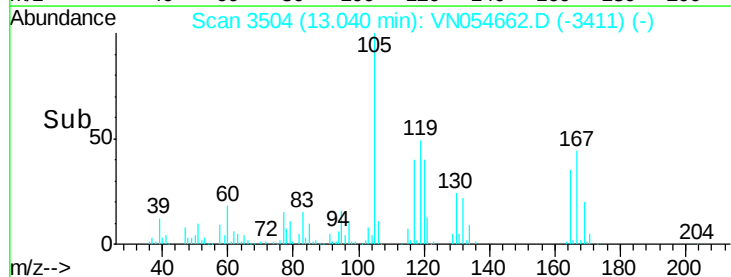
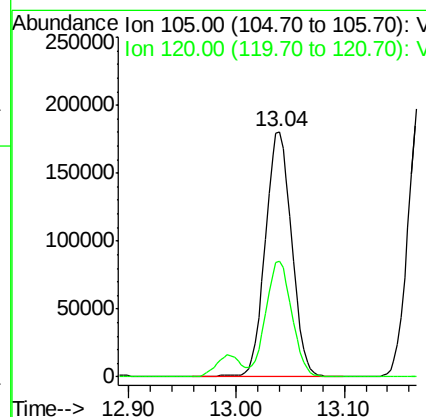
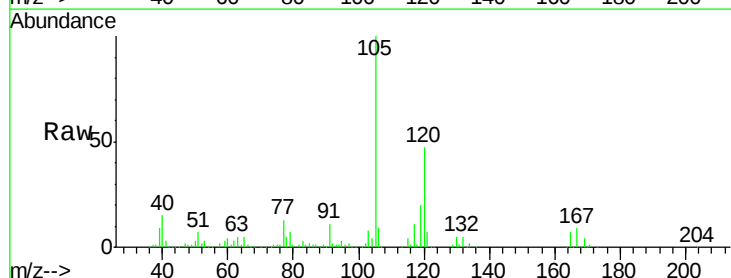
Manual Integrations
 APPROVED

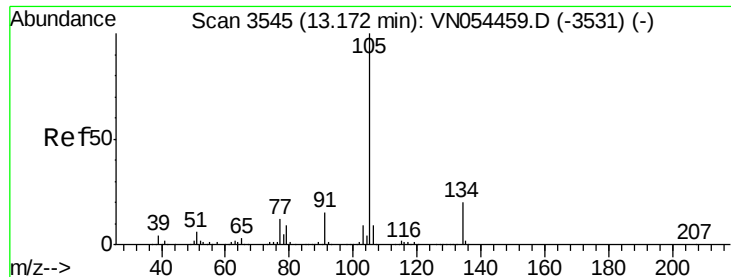
MMDadoda
 3/26/2019 12:32:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.241 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.904 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion:105 Resp: 350399

Ion Ratio Lower Upper

105 100

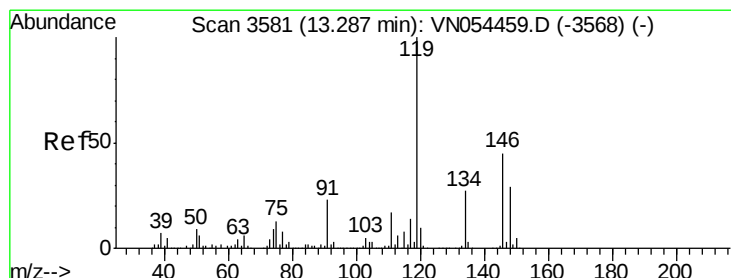
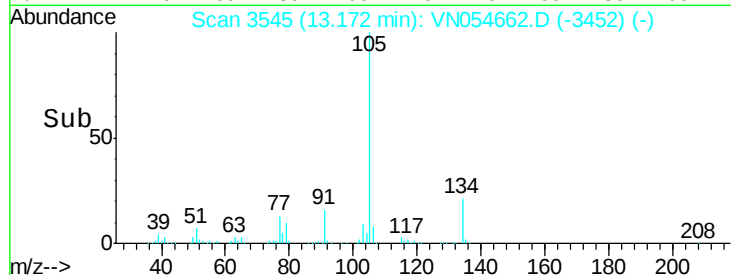
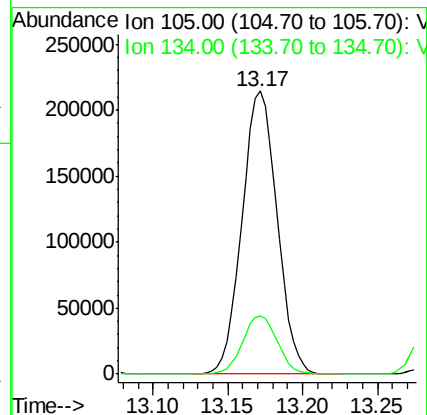
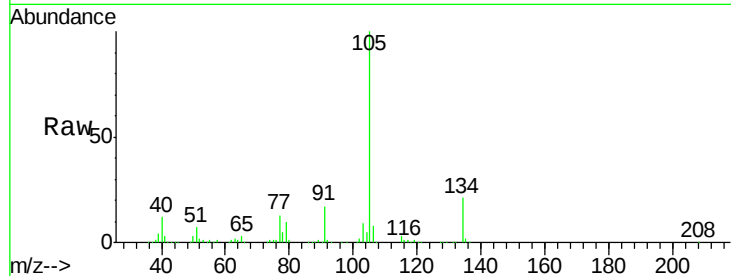
134 20.3 10.7 32.1

Manual Integrations

APPROVED

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#86

p-Isopropyltoluene

Concen: 19.564 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

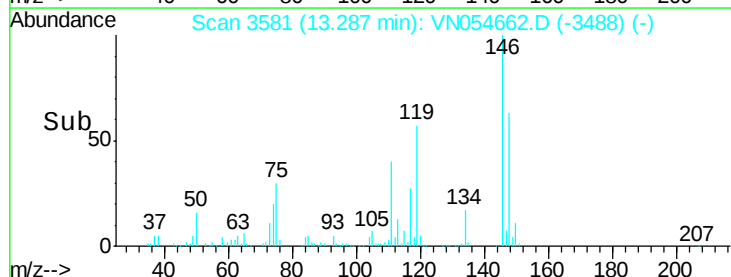
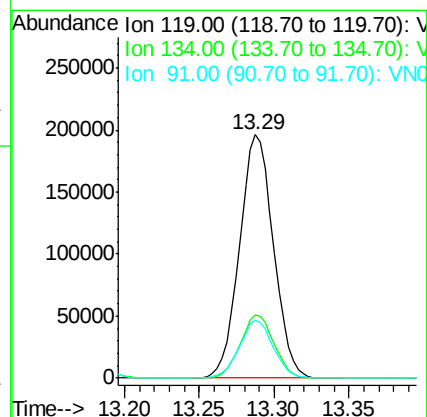
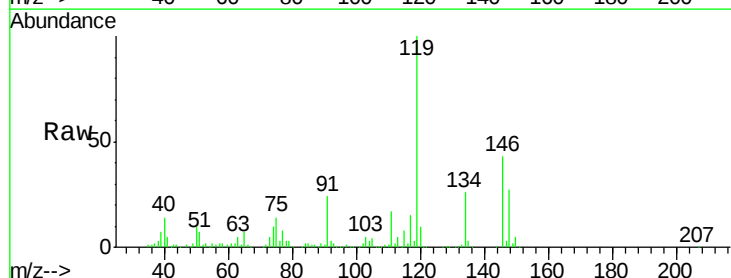
Tgt Ion:119 Resp: 308129

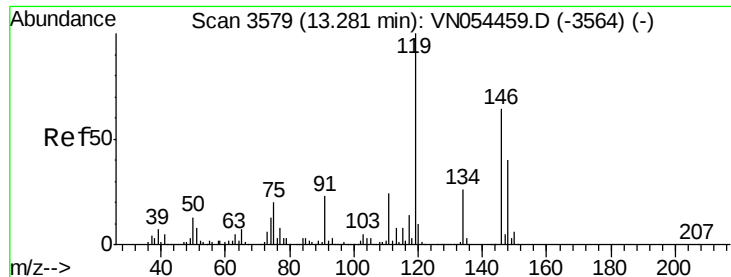
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.8 11.1 33.3





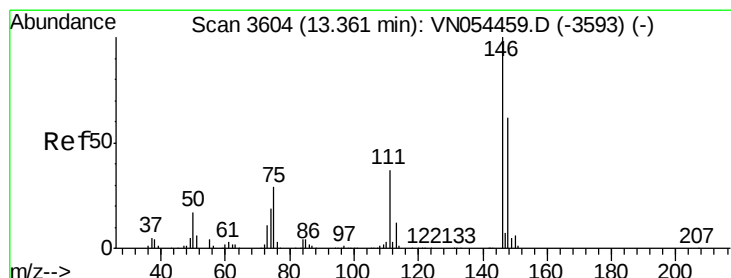
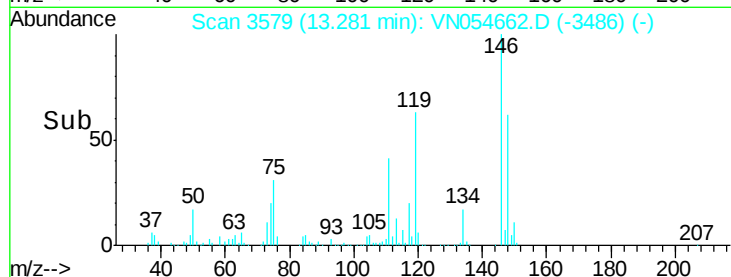
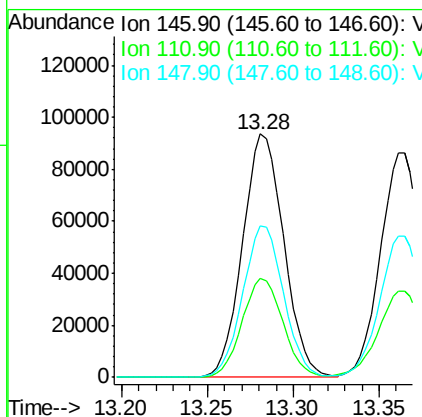
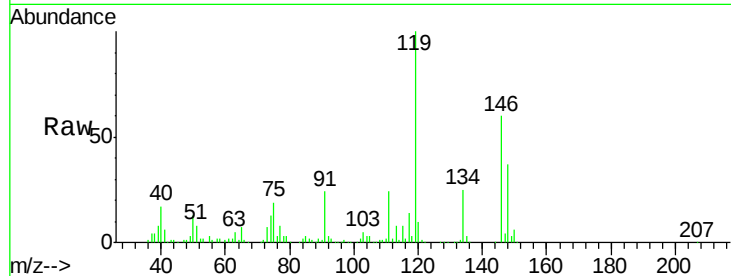
#87
 1,3-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.8	56.3
148	61.5	32.2	96.6

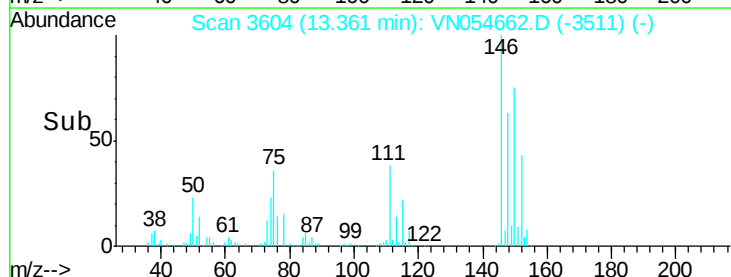
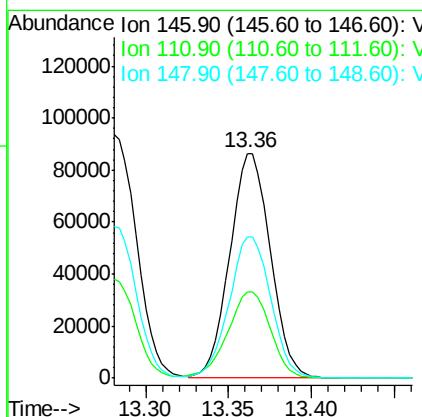
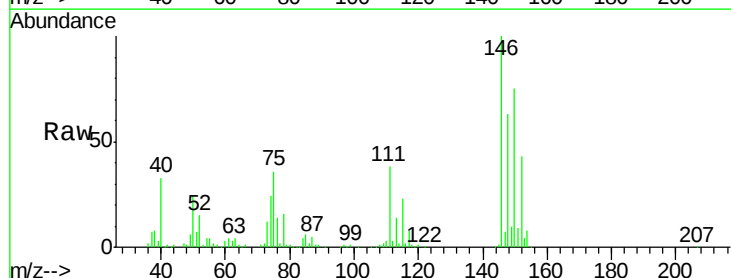
Manual Integrations
 APPROVED

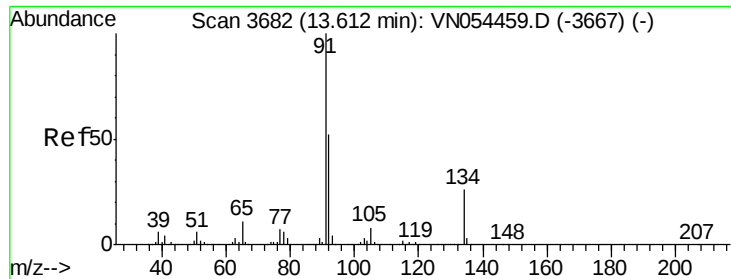
MMDadoda
 3/26/2019 12:32:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.638 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.1	54.1
148	64.6	32.0	96.0





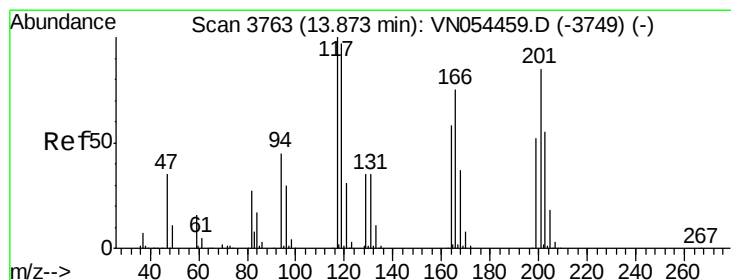
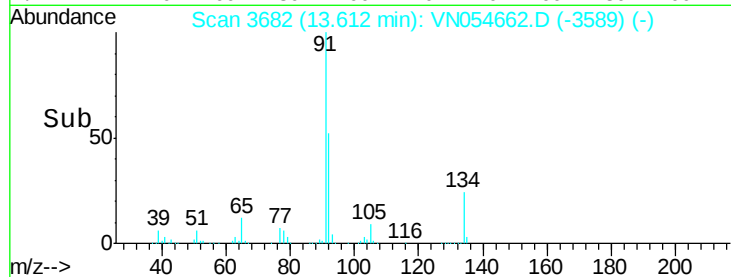
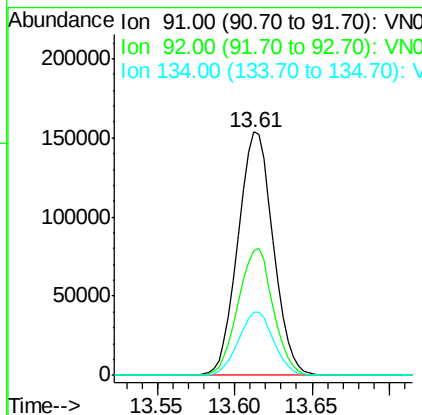
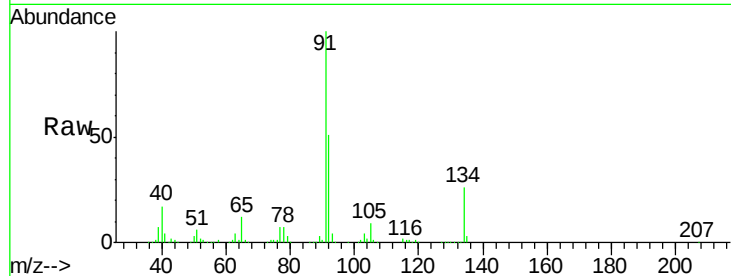
#89
n-Butylbenzene
Concen: 19.814 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.7	14.3	42.9

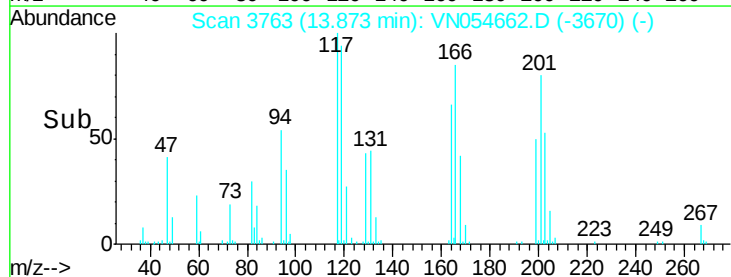
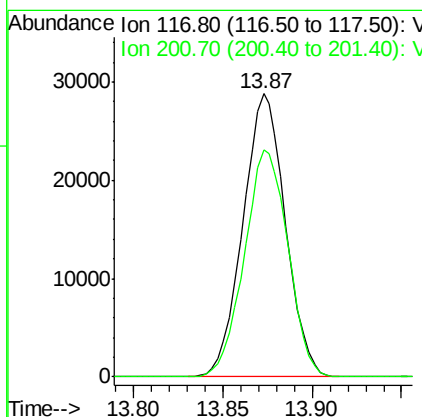
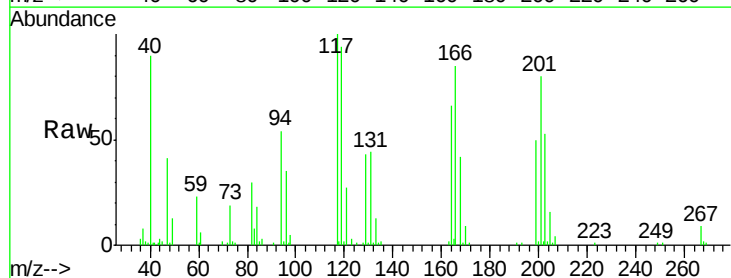
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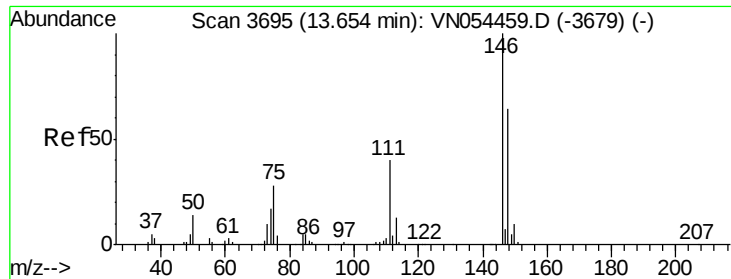
MMDadoda
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#90
Hexachloroethane
Concen: 19.560 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 19.185 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

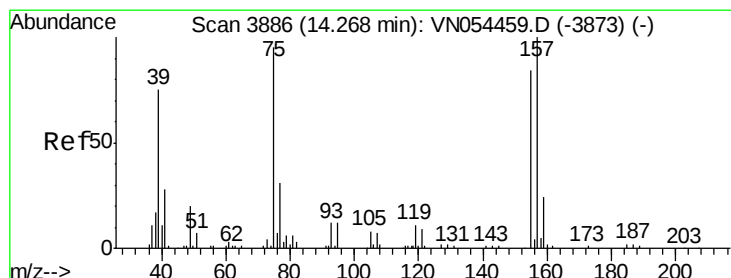
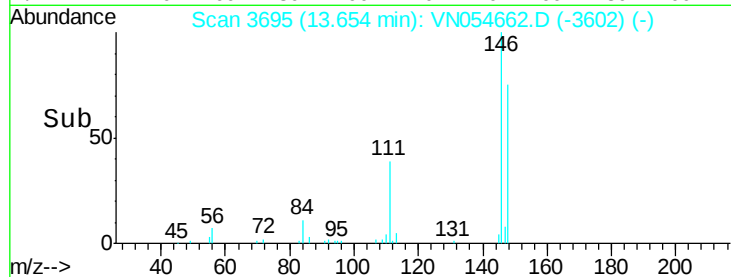
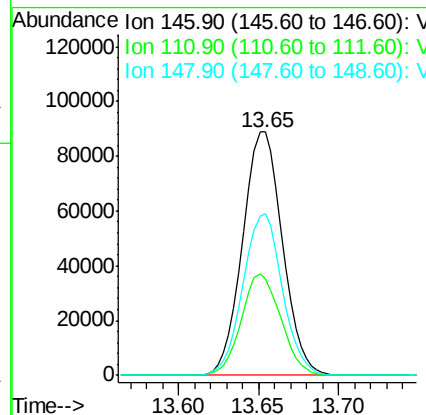
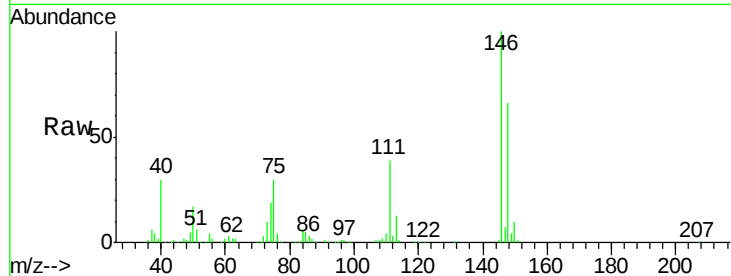
ClientSampleId :

VN0325WBS01

Tot Ion:	146	Resp:	151183
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.1	57.3
148	65.6	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.595 ug/l

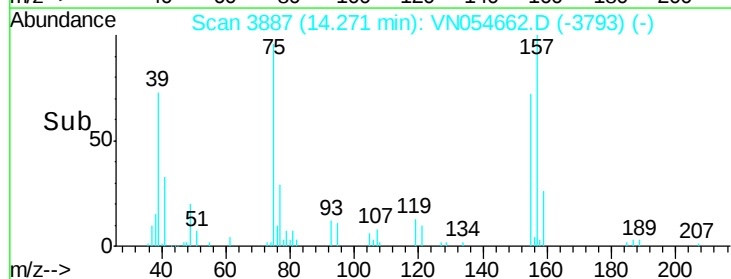
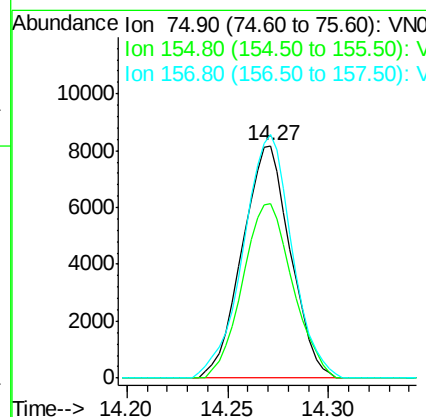
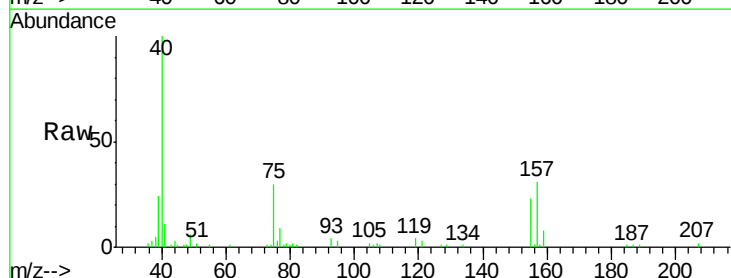
RT: 14.27 min Scan# 3887

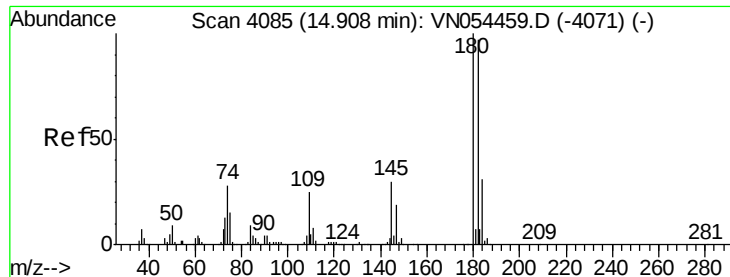
Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion:	75	Resp:	13650
Ion Ratio	Lower	Upper	
75	100		
155	77.8	50.1	150.3
157	106.1	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.345 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

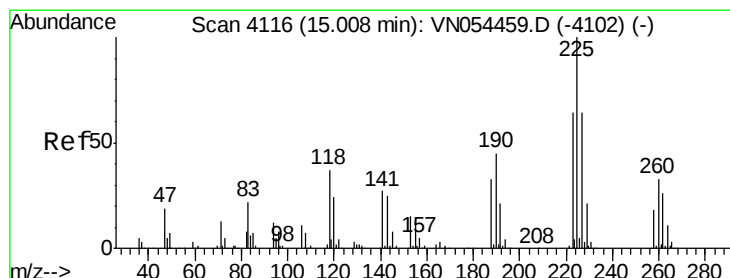
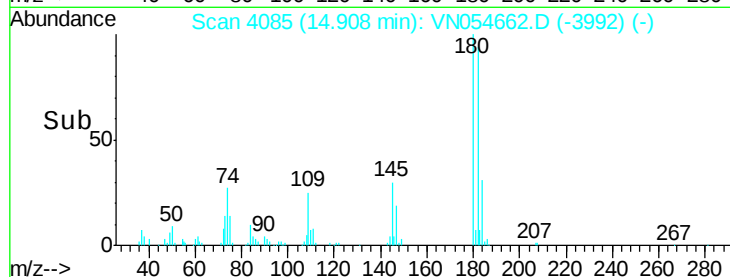
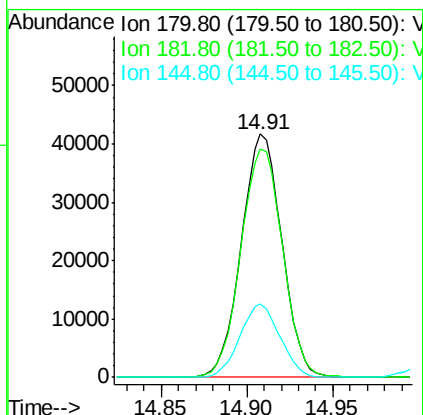
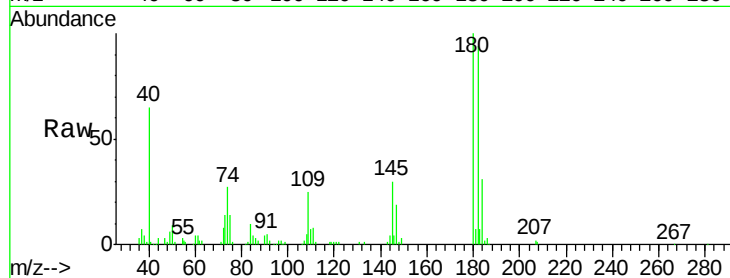
ClientSampleId :

VN0325WBS01

Tot Ion:	180	Resp:	68137
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.0	144.2
145	29.7	14.2	42.8

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#94

Hexachlorobutadiene

Concen: 22.778 ug/l

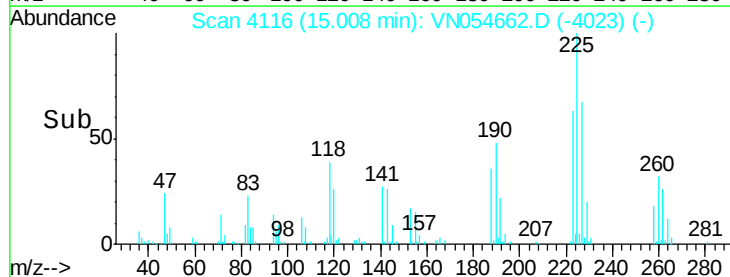
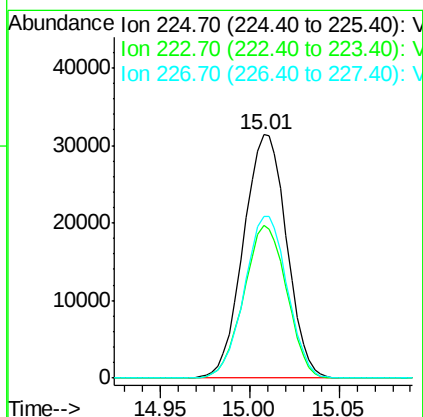
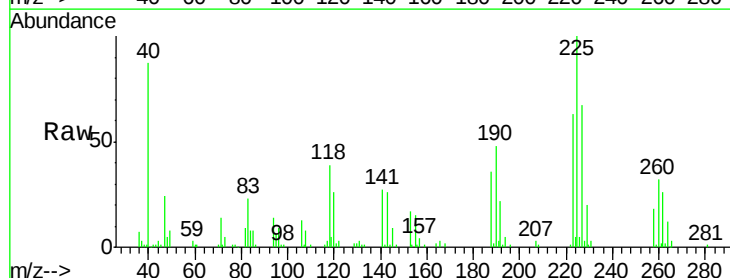
RT: 15.01 min Scan# 4116

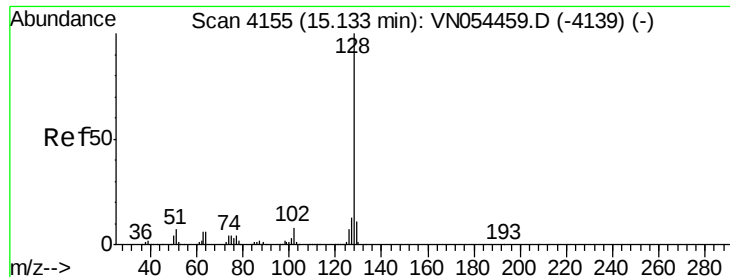
Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion:	225	Resp:	53253
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.1	93.5
227	65.8	31.9	95.9





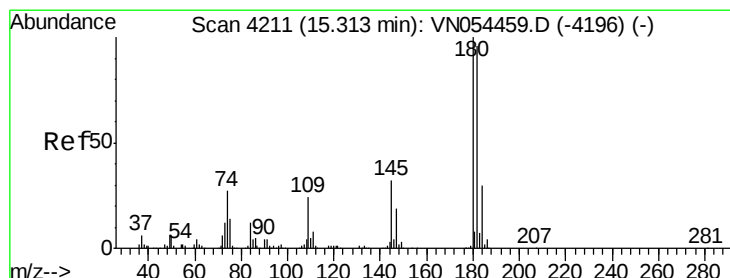
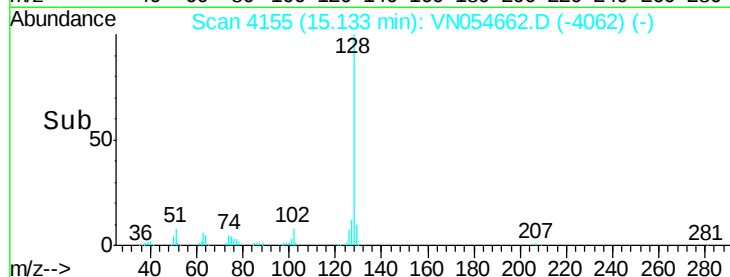
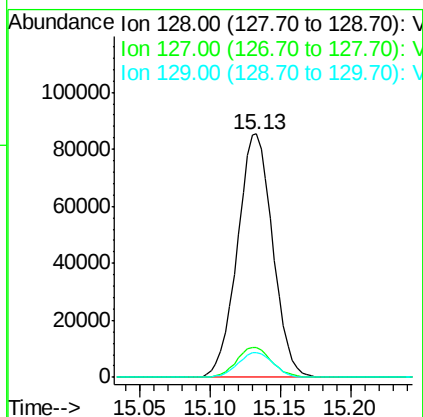
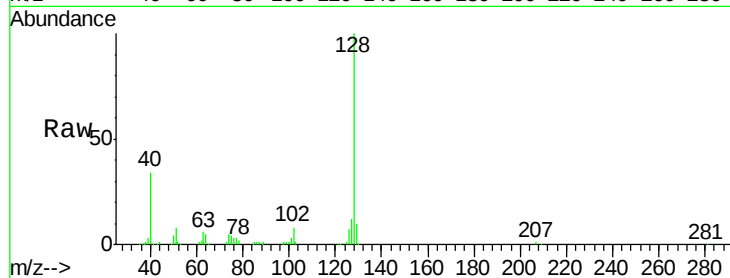
#95
Naphthalene
Concen: 17.044 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.4	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 17.359 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	32.5	14.8	44.3

