

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054692.D
 Acq On : 26 Mar 2019 12:20
 Operator : JC/SP
 Sample : VN0326WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:19 AM

Quant Time: Mar 27 04:29:44 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	7.66	168	395603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	662057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	276867	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	7.59	113	220248	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	798563	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	269967	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	81940	21.667	ug/l	98
3) Chloromethane	2.06	50	110991	21.570	ug/l	98
4) Vinyl Chloride	2.19	62	104206	20.171	ug/l	100
5) Bromomethane	2.58	94	60753	18.187	ug/l	94
6) Chloroethane	2.71	64	58741	18.957	ug/l	97
7) Trichlorofluoromethane	3.03	101	129310	20.611	ug/l	98
8) Diethyl Ether	3.41	74	43419	17.995	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68901	18.687	ug/l	94
10) Methyl Iodide	3.94	142	96087	17.716	ug/l #	87
11) Tert butyl alcohol	4.82	59	31145	104.546	ug/l	97
12) 1,1-Dichloroethene	3.73	96	67924	17.801	ug/l #	71
13) Acrolein	3.61	56	41729	101.502	ug/l	95
14) Allyl chloride	4.32	41	160497	22.337	ug/l #	90
15) Acrylonitrile	5.00	53	169309	114.124	ug/l	98
16) Acetone	3.82	43	129914	87.815	ug/l #	82
17) Carbon Disulfide	4.04	76	186700	18.261	ug/l	99
18) Methyl Acetate	4.33	43	75761	22.976	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	241914	21.724	ug/l	96
20) Methylene Chloride	4.55	84	92820	21.284	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	84831	21.772	ug/l	85
22) Diisopropyl ether	5.96	45	333910	23.560	ug/l #	94
23) Vinyl Acetate	5.90	43	1149786	114.866	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	175114	22.947	ug/l	97
25) 2-Butanone	6.85	43	208564	110.054	ug/l	89
26) 2,2-Dichloropropane	6.82	77	118289	21.745	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	101328	21.803	ug/l	88
28) Bromochloromethane	7.19	49	90175	24.007	ug/l #	72
29) Tetrahydrofuran	7.22	42	141502	115.061	ug/l #	84
30) Chloroform	7.37	83	169761	22.795	ug/l	99
31) Cyclohexane	7.65	56	161498	21.009	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	136640	22.239	ug/l	95
36) 1,1-Dichloropropene	7.79	75	121984	19.706	ug/l	96
37) Ethyl Acetate	6.94	43	95992	21.803	ug/l #	94
38) Carbon Tetrachloride	7.77	117	117701	19.566	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	133174	18.807	ug/l	89
40) Benzene	8.04	78	366242	20.690	ug/l	98
41) Methacrylonitrile	7.18	41	56424	21.014	ug/l	88
42) 1,2-Dichloroethane	8.13	62	135855	21.074	ug/l	96
43) Isopropyl Acetate	8.17	43	156188	21.005	ug/l #	93
44) Trichloroethene	8.83	130	95908	19.488	ug/l	91
45) 1,2-Dichloropropane	9.12	63	104731	22.034	ug/l	99
46) Dibromomethane	9.21	93	59932	21.135	ug/l	89
47) Bromodichloromethane	9.40	83	127634	21.688	ug/l	96
48) Methyl methacrylate	9.20	41	83271	20.633	ug/l #	85
49) 1,4-Dioxane	9.20	88	17850	395.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	445584	108.129	ug/l	93
52) Toluene	10.16	92	219552	20.166	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	111672	19.417	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	139175	20.625	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	82258	21.019	ug/l	96
56) Ethyl methacrylate	10.43	69	103835	19.768	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	145559	21.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	186657	86.296	ug/l	89
59) 2-Hexanone	10.75	43	275597	102.388	ug/l	91
60) Dibromochloromethane	10.90	129	83638	20.084	ug/l	99
61) 1,2-Dibromoethane	11.00	107	79641	20.584	ug/l	99
64) Tetrachloroethene	10.63	164	91738	19.385	ug/l	92
65) Chlorobenzene	11.43	112	236508	20.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87435	20.992	ug/l	98
67) Ethyl Benzene	11.51	91	419721	20.476	ug/l	98
68) m/p-Xylenes	11.62	106	308117	39.684	ug/l	94
69) o-Xylene	11.95	106	153734	20.275	ug/l	96
70) Styrene	11.96	104	251152	20.396	ug/l	97
71) Bromoform	12.13	173	49736	18.771	ug/l #	99
73) Isopropylbenzene	12.25	105	403365	20.437	ug/l	98
74) N-amyl acetate	12.07	43	124610	21.958	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	102448	22.739	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	87297m	22.461	ug/l	
77) Bromobenzene	12.53	156	98545	20.132	ug/l	86
78) n-propylbenzene	12.59	91	449062	20.982	ug/l	96
79) 2-Chlorotoluene	12.67	91	278392	20.860	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	334699	20.691	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19172	19.098	ug/l #	77
82) 4-Chlorotoluene	12.77	91	266297	20.585	ug/l	96
83) tert-Butylbenzene	12.99	119	284636	20.215	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	329302	20.747	ug/l	97
85) sec-Butylbenzene	13.17	105	364089	20.743	ug/l	97
86) p-Isopropyltoluene	13.29	119	321702	20.486	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	164555	20.286	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	156130	19.782	ug/l	96
89) n-Butylbenzene	13.61	91	248666	20.251	ug/l	98
90) Hexachloroethane	13.87	117	51529	21.140	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	164641	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15162	22.944	ug/l	76

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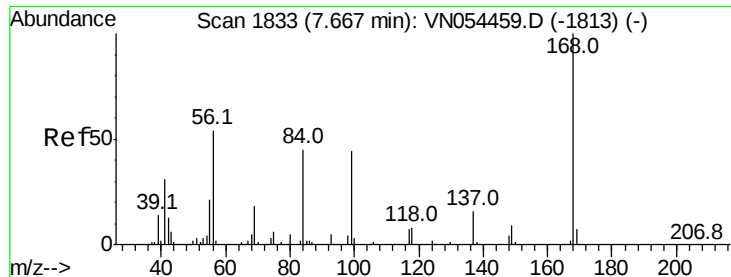
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71862	18.347	ug/l	99
94) Hexachlorobutadiene	15.01	225	52435	22.462	ug/l	99
95) Naphthalene	15.13	128	160454	18.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74958	19.229	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion:168 Resp: 395603

Ion Ratio Lower Upper

168 100

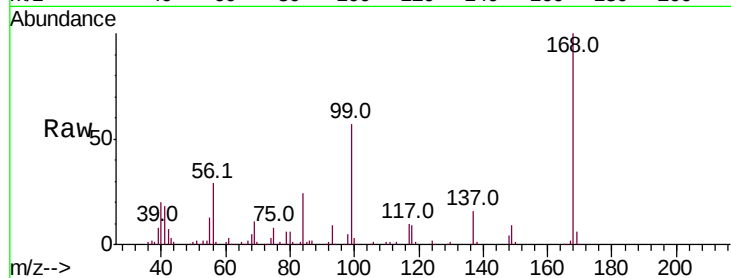
99 55.5 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

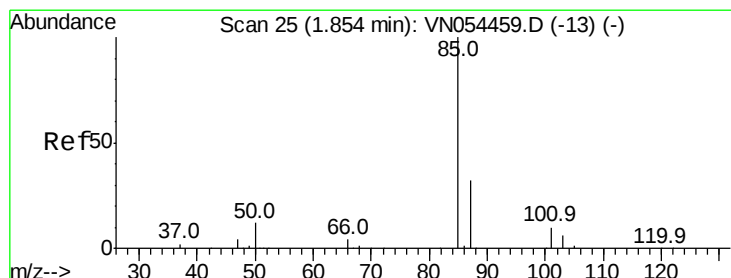
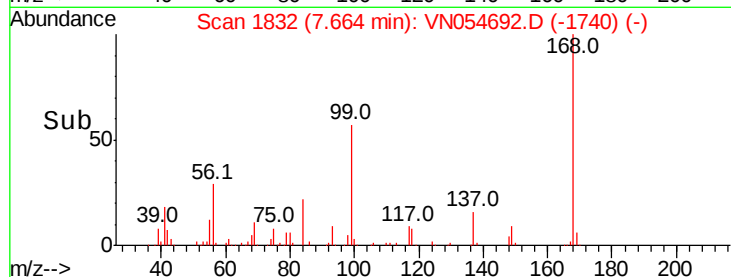
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.667 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054692.D

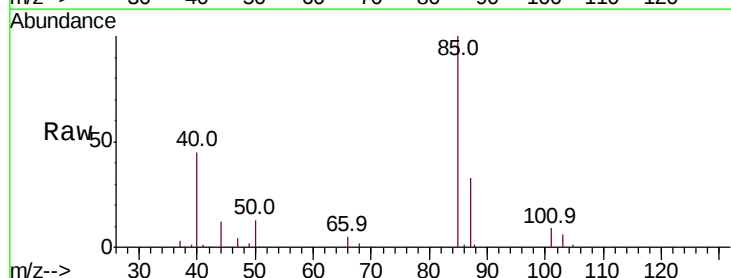
Acq: 26 Mar 2019 12:20

Tgt Ion: 85 Resp: 81940

Ion Ratio Lower Upper

85 100

87 32.9 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

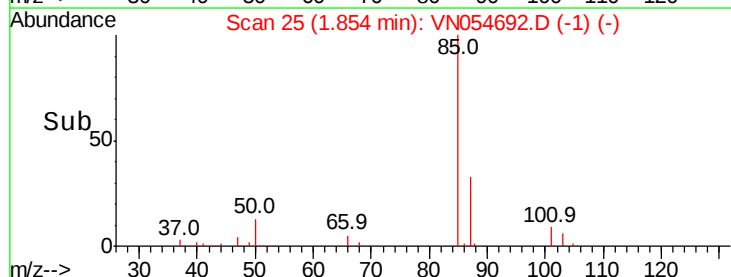
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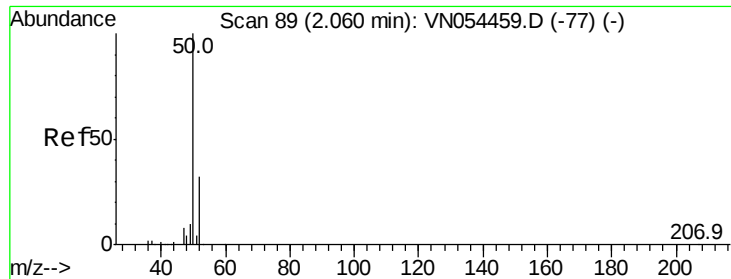
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.570 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 50 Resp: 110991

Ion Ratio Lower Upper

50 100

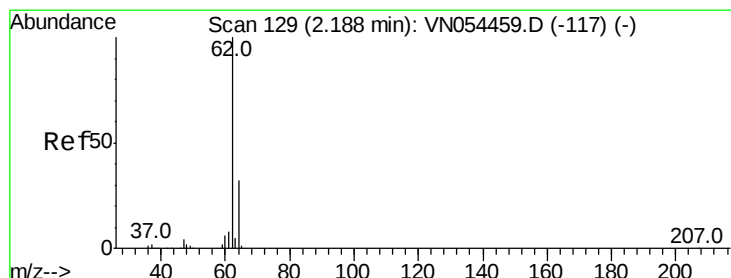
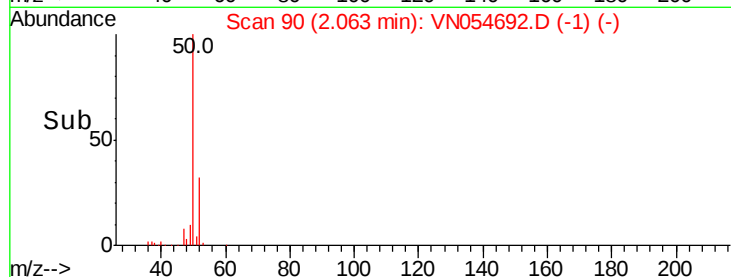
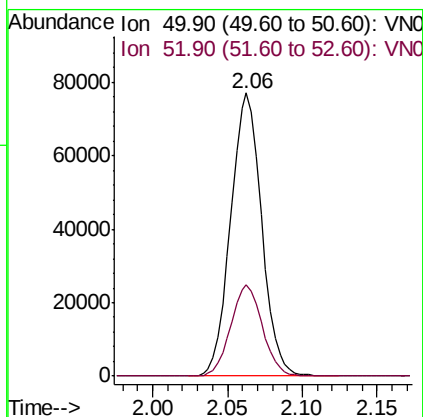
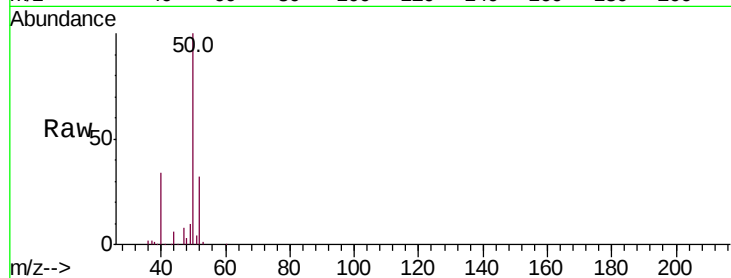
52 32.1 26.4 39.6

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#4

Vinyl Chloride

Concen: 20.171 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054692.D

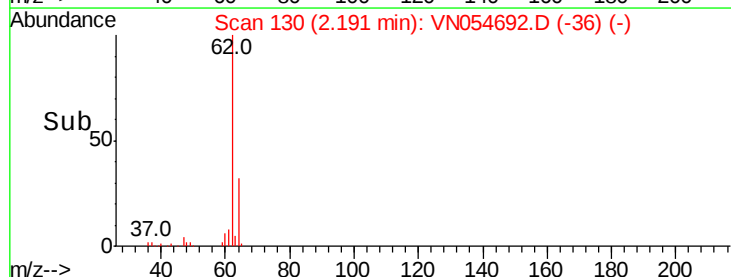
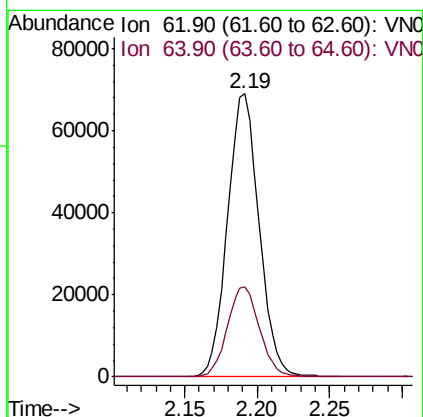
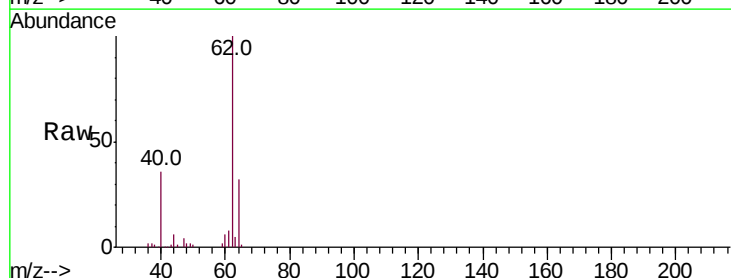
Acq: 26 Mar 2019 12:20

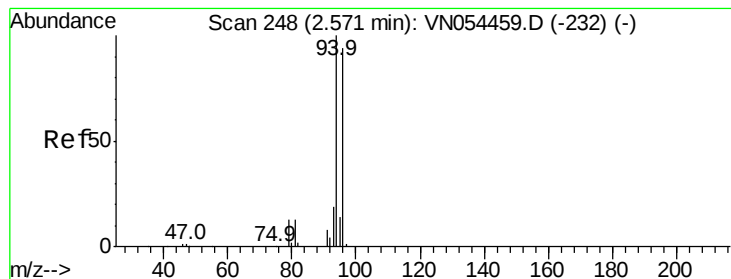
Tgt Ion: 62 Resp: 104206

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 18.187 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion: 94 Resp: 60753

Ion Ratio Lower Upper

94 100

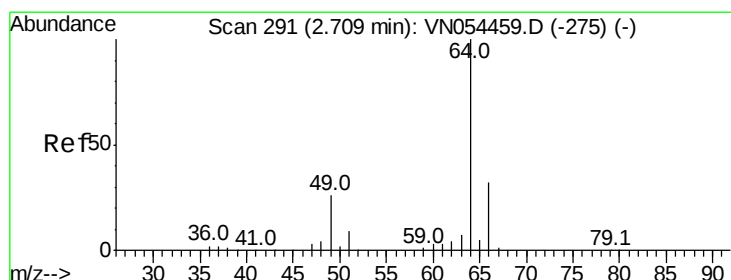
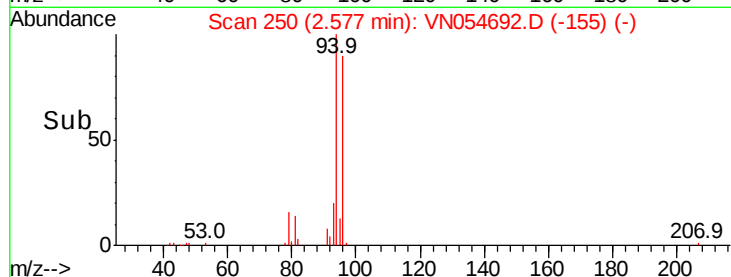
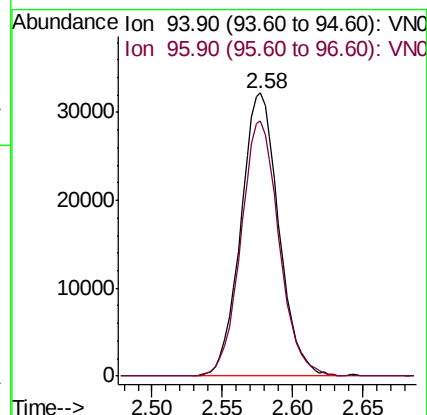
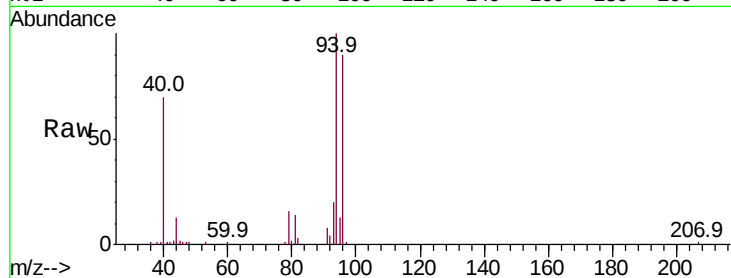
96 90.0 77.0 115.4

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#6

Chloroethane

Concen: 18.957 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054692.D

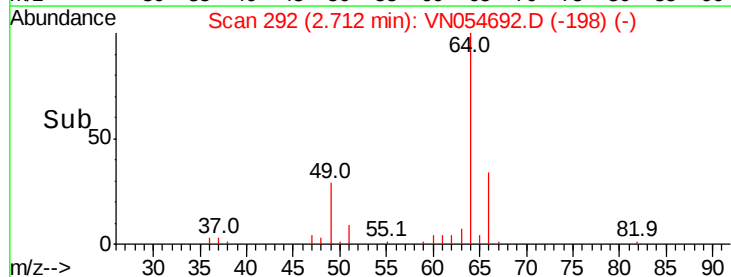
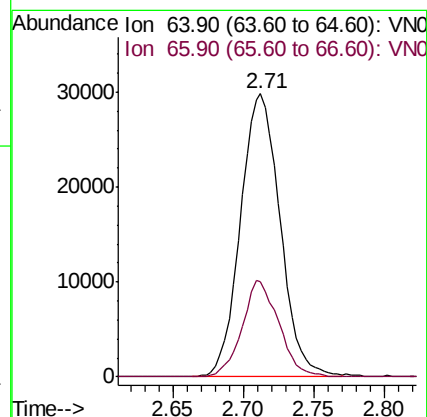
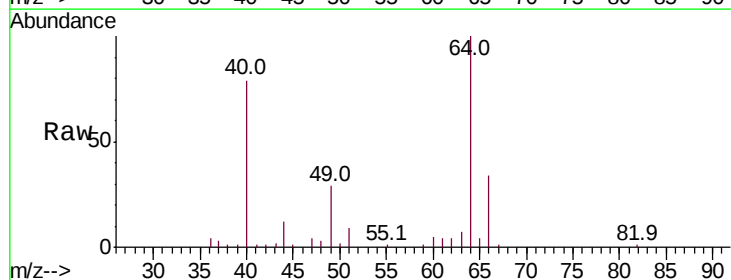
Acq: 26 Mar 2019 12:20

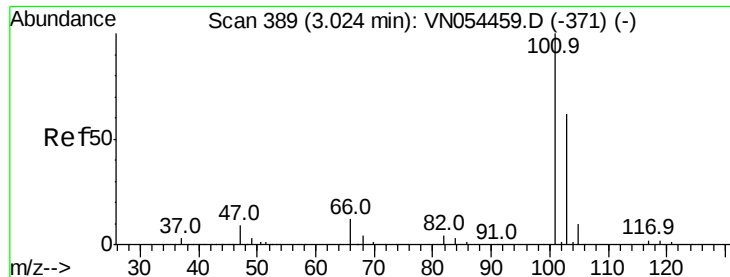
Tgt Ion: 64 Resp: 58741

Ion Ratio Lower Upper

64 100

66 33.8 25.7 38.5





#7

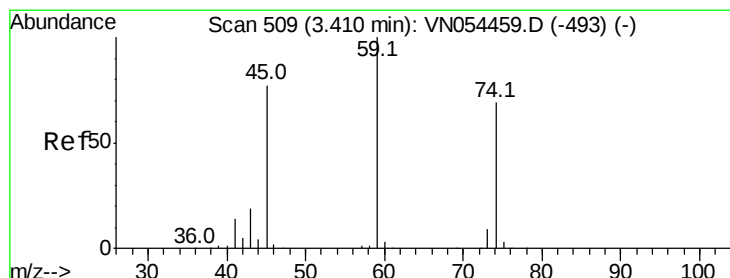
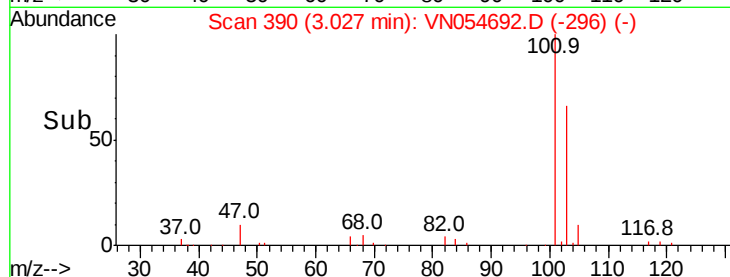
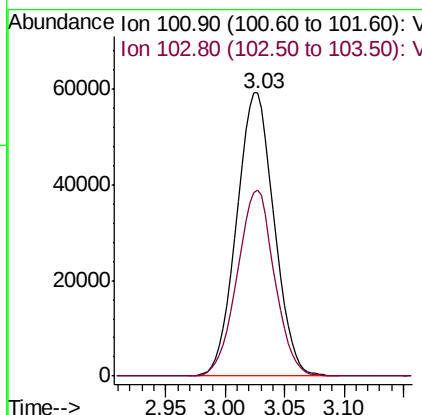
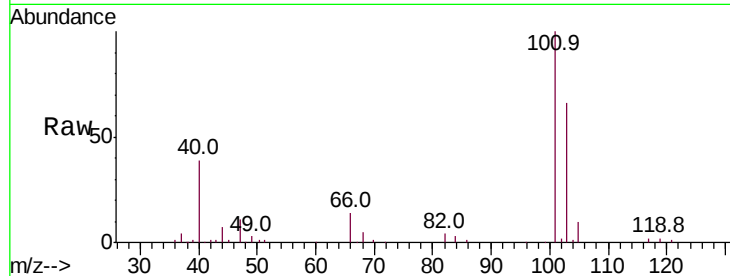
Trichlorofluoromethane
 Concen: 20.611 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
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 VN0326WBSD01

Tot Ion:101 Resp: 129310
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.4 77.2

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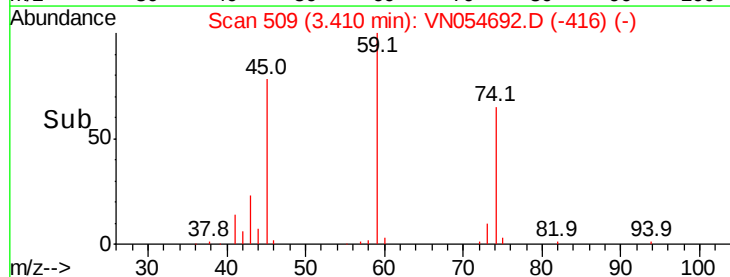
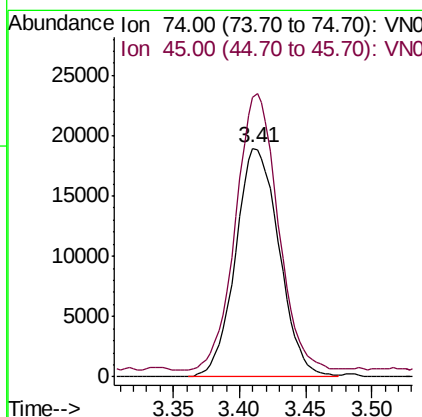
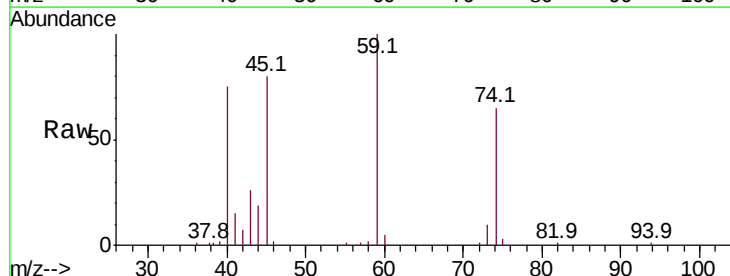
MMDadoda
 3/27/2019 9:10:19 AM

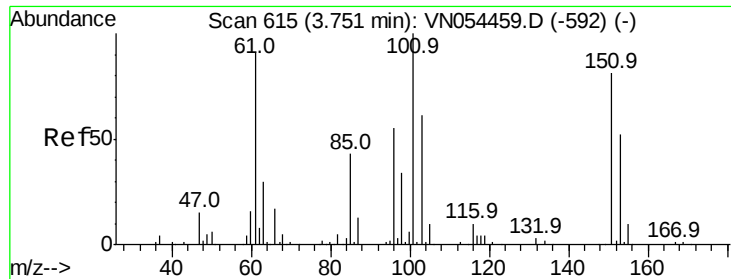


#8

Diethyl Ether
 Concen: 17.995 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion: 74 Resp: 43419
 Ion Ratio Lower Upper
 74 100
 45 117.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.687 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054692.D

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Instrument :

MSVOA_N

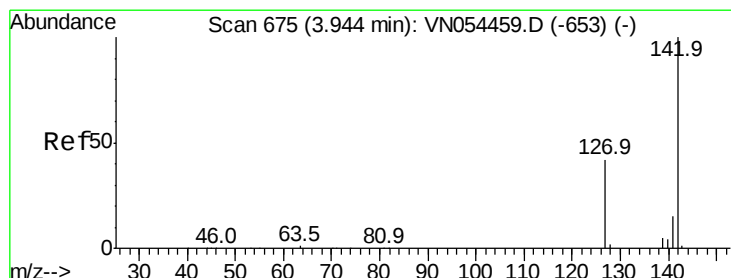
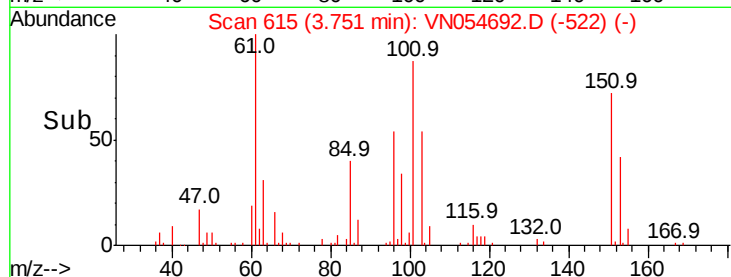
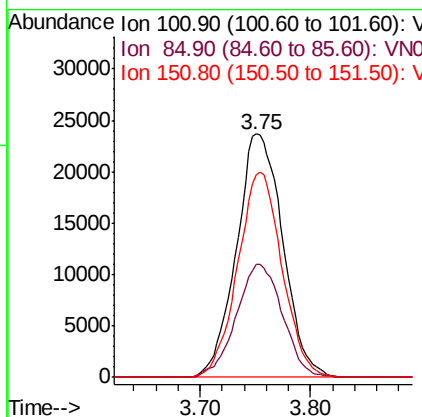
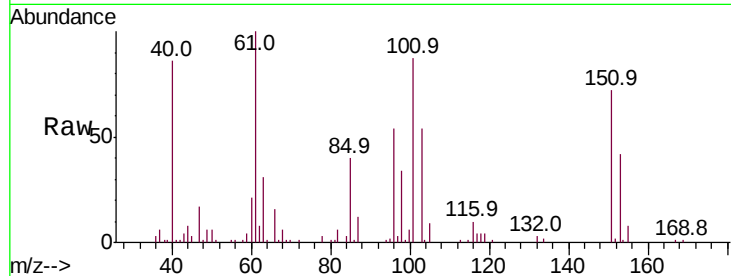
ClientSampleId :

VN0326WBSD01

Tot Ion:	101	Resp:	68901
Ion Ratio	Lower	Upper	
101	100		
85	46.3	32.4	48.6
151	80.6	68.2	102.2

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 17.716 ug/l

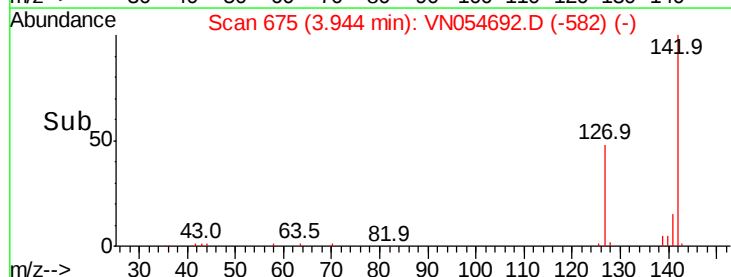
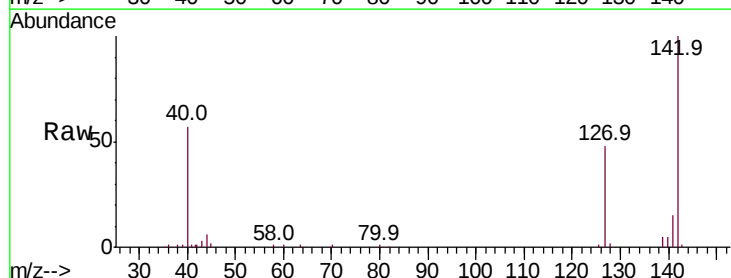
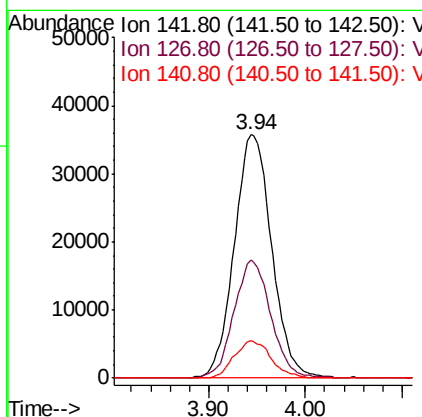
RT: 3.94 min Scan# 675

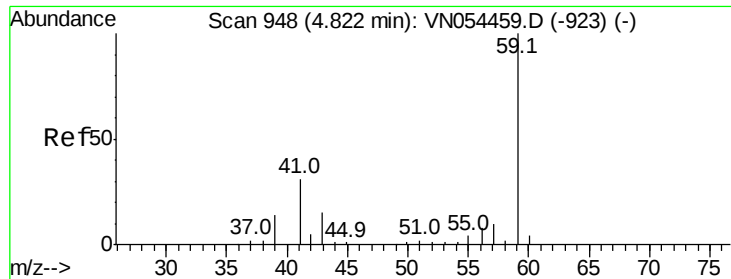
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	142	Resp:	96087
Ion Ratio	Lower	Upper	
142	100		
127	47.6	30.3	45.5#
141	15.2	11.2	16.8





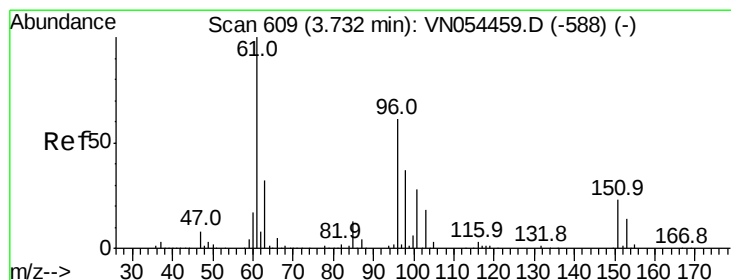
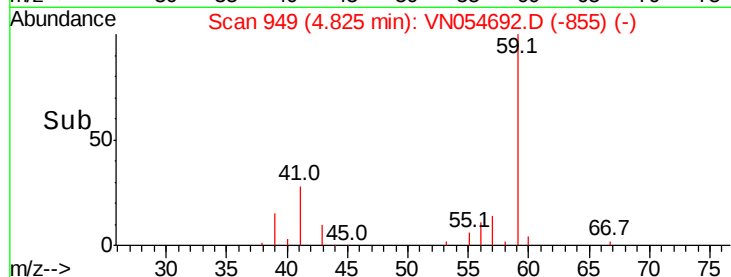
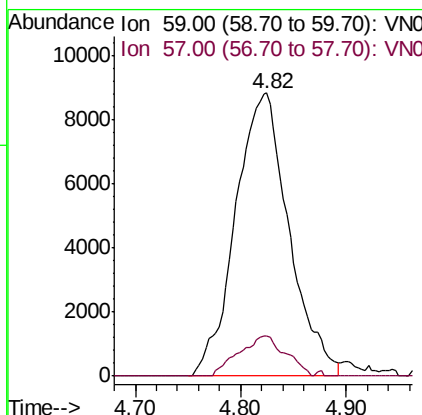
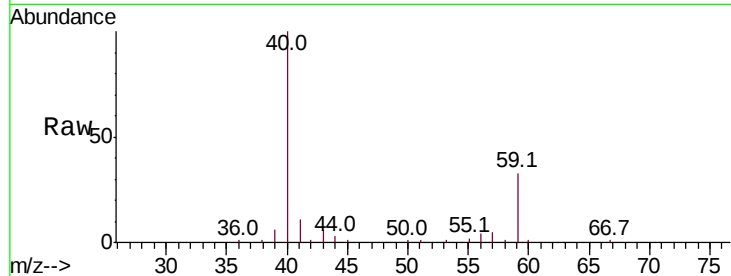
#11
Tert butyl alcohol
Concen: 104.546 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion: 59 Resp: 31145
Ion Ratio Lower Upper
59 100
57 12.4 9.0 13.6

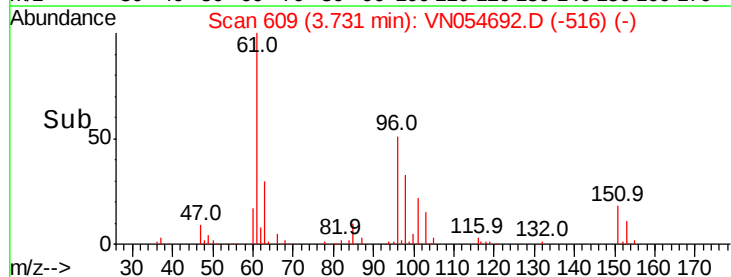
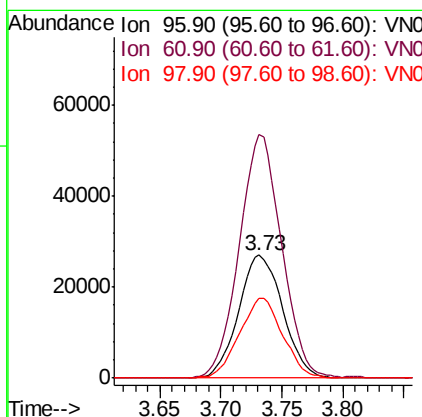
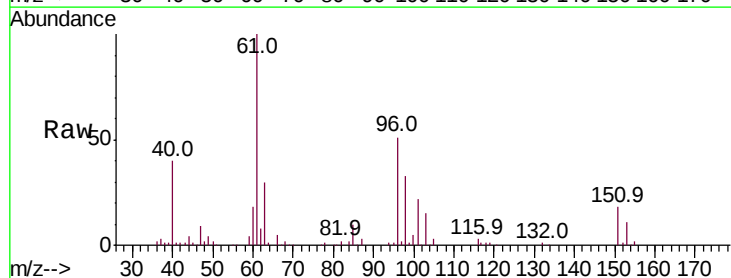
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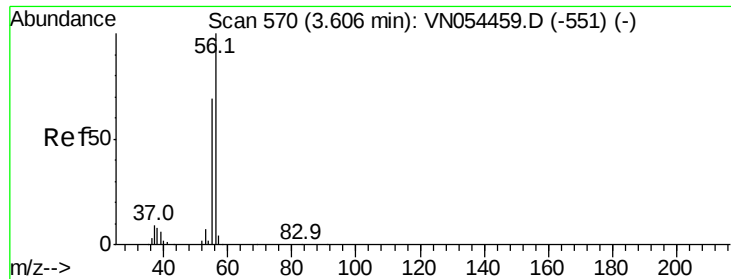
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.801 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 96 Resp: 67924
Ion Ratio Lower Upper
96 100
61 197.5 116.5 174.7#
98 64.3 51.0 76.4





#13

Acrolein

Concen: 101.502 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 56 Resp: 41729

Ion Ratio Lower Upper

56 100

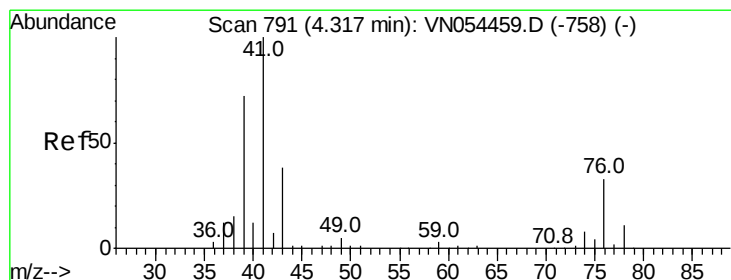
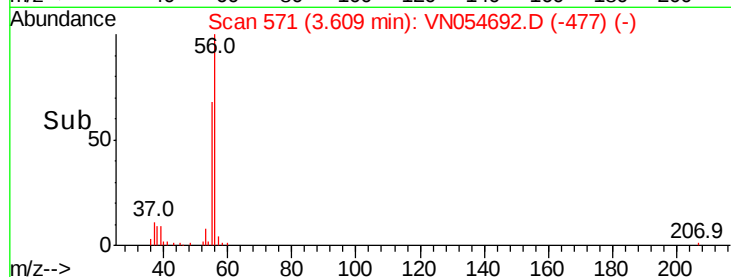
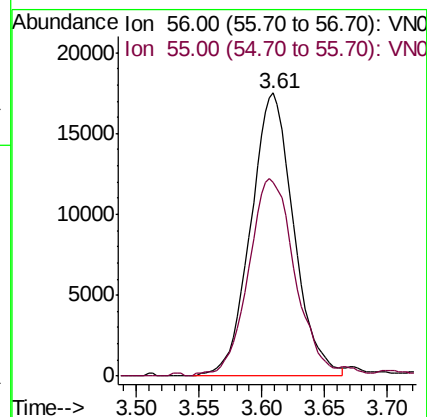
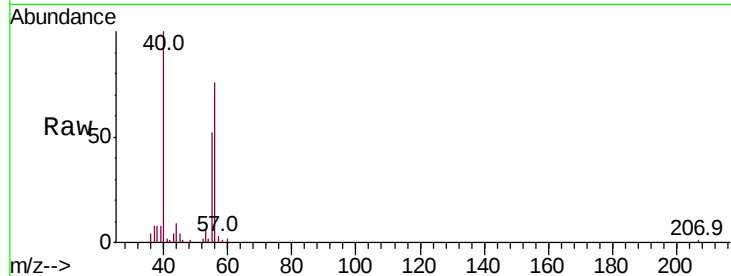
55 75.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.337 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

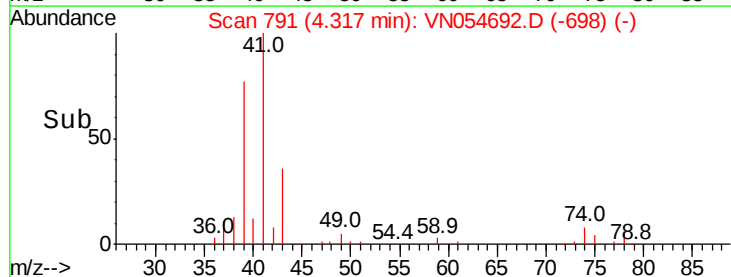
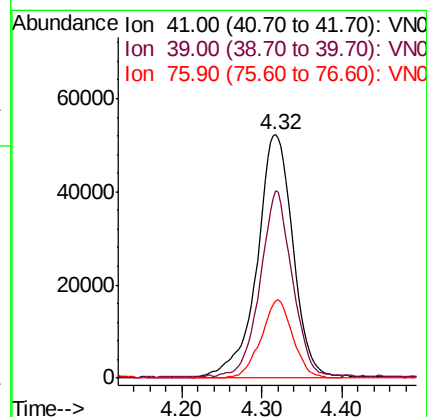
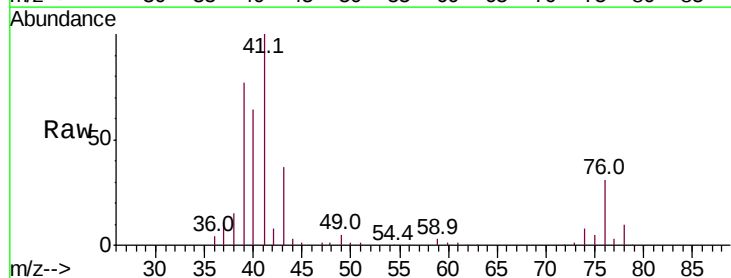
Tgt Ion: 41 Resp: 160497

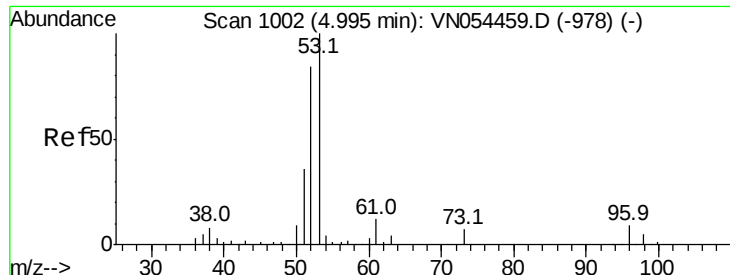
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 28.6 31.7 47.5#





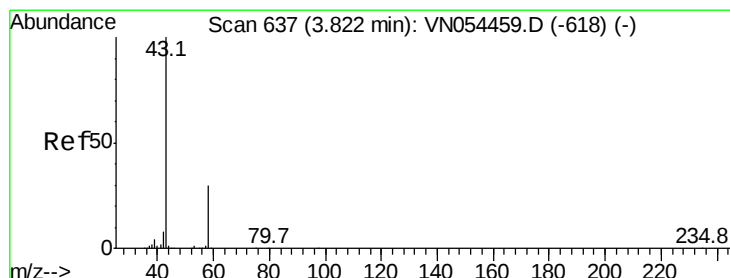
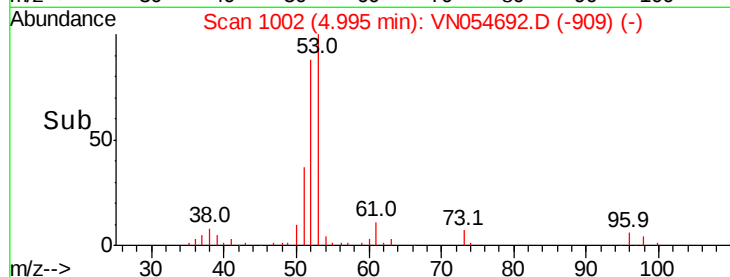
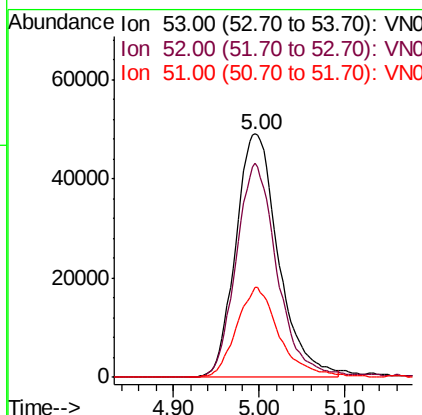
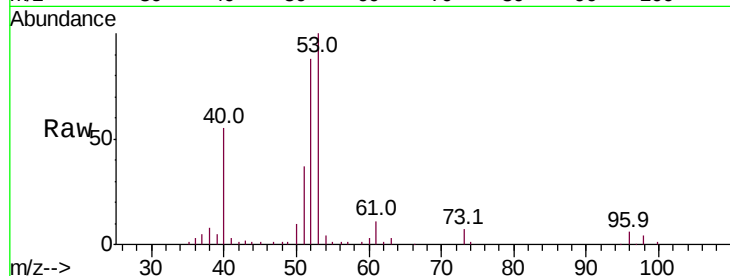
#15
 Acrylonitrile
 Concen: 114.124 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	53	Resp	169309
Ion Ratio	100	Lower	Upper
53	100		
52	84.5	66.4	99.6
51	36.2	29.6	44.4

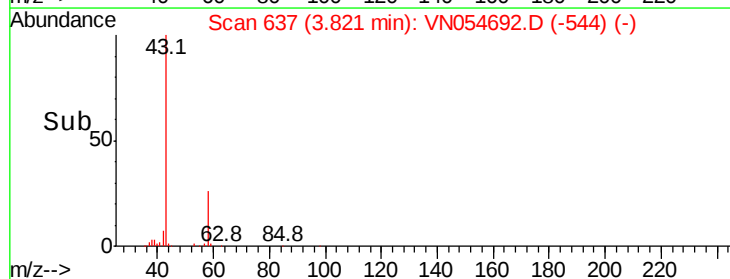
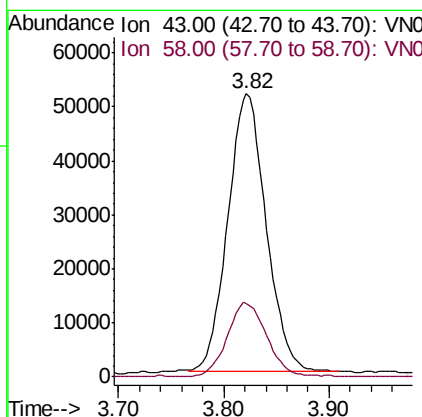
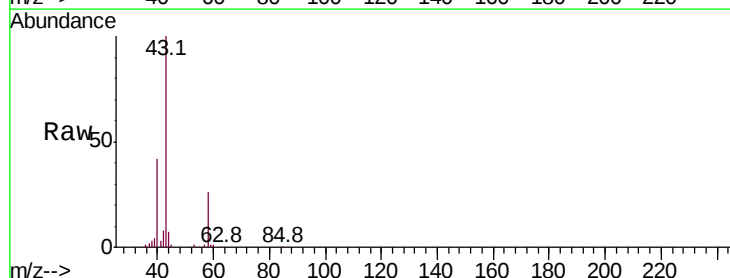
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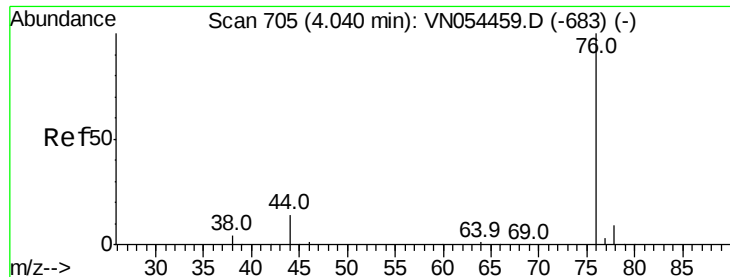
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#16
 Acetone
 Concen: 87.815 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	43	Resp	129914
Ion Ratio	100	Lower	Upper
43	100		
58	26.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 18.261 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 76 Resp: 186700

Ion Ratio Lower Upper

76 100

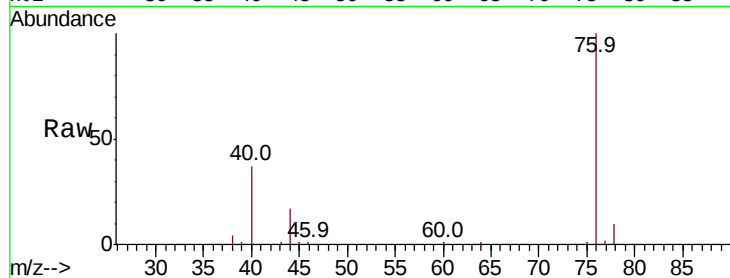
78 9.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

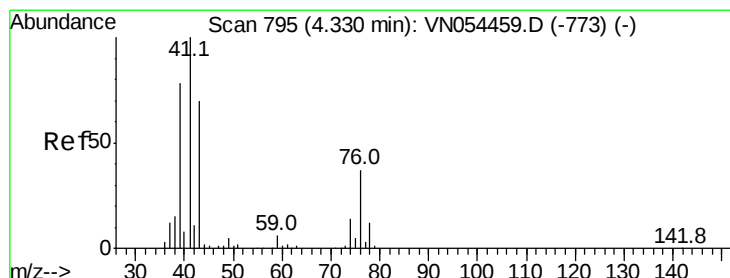
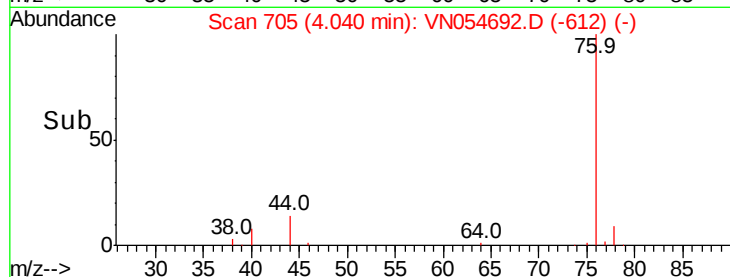
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.976 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054692.D

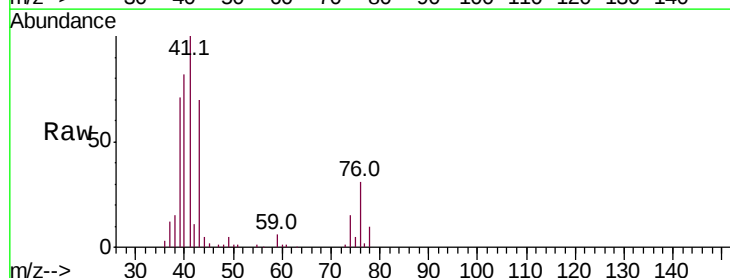
Acq: 26 Mar 2019 12:20

Tgt Ion: 43 Resp: 75761

Ion Ratio Lower Upper

43 100

74 20.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

30000

25000

20000

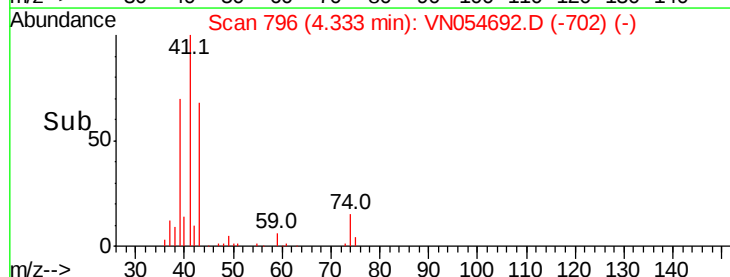
15000

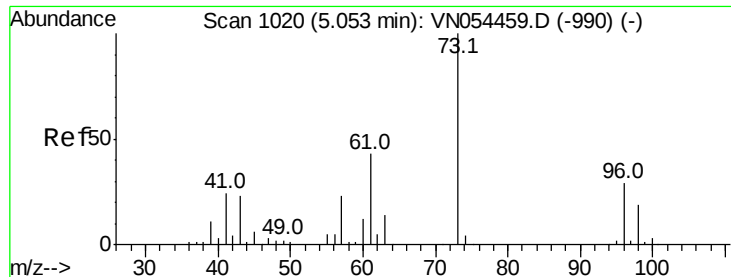
10000

5000

0

Time-->





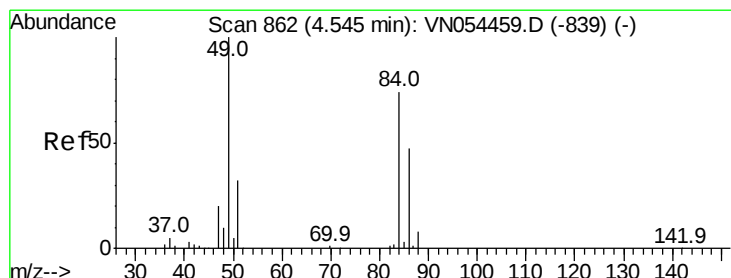
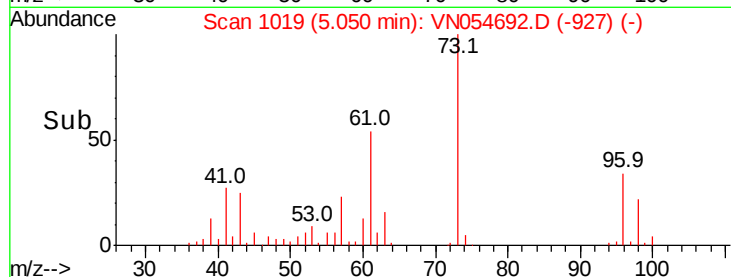
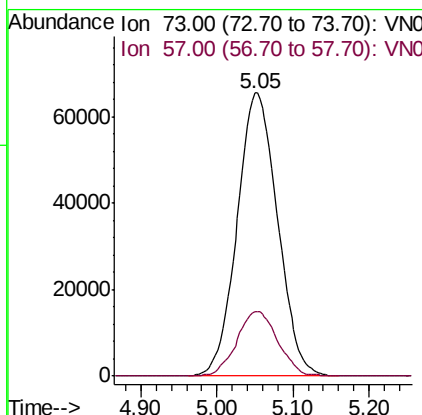
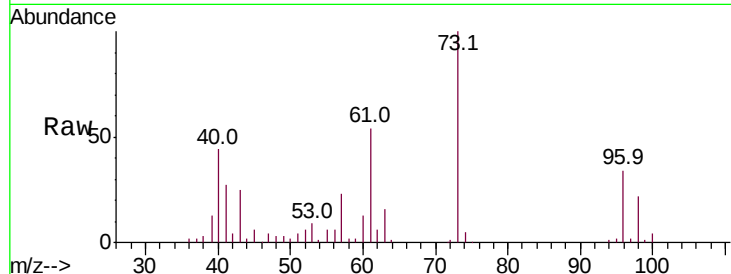
#19
Methvl tert-butvl Ether
Concen: 21.724 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion: 73 Resp: 241914
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

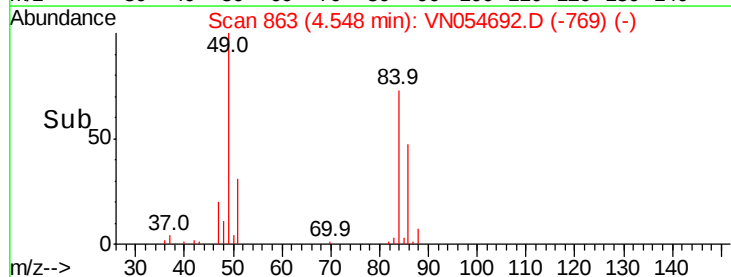
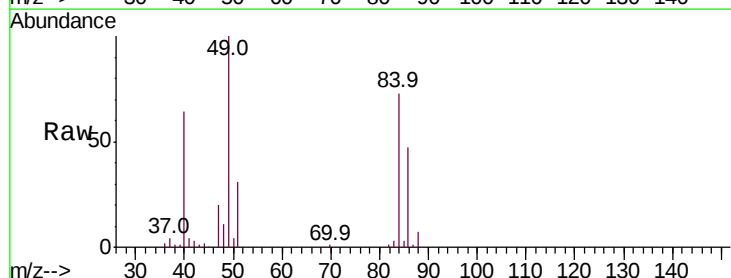
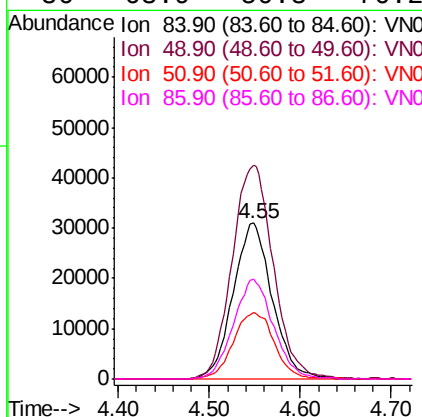
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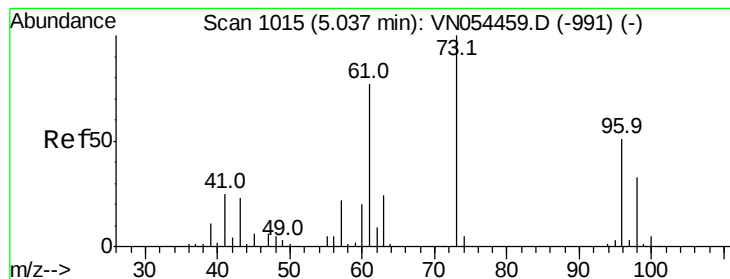
MMDadoda
3/27/2019 9:10:19 AM



#20
Methylene Chloride
Concen: 21.284 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 84 Resp: 92820
Ion Ratio Lower Upper
84 100
49 137.1 89.7 134.5#
51 42.5 28.2 42.4#
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.772 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 96 Resp: 84831

Ion Ratio Lower Upper

96 100

61 153.0 102.8 154.2

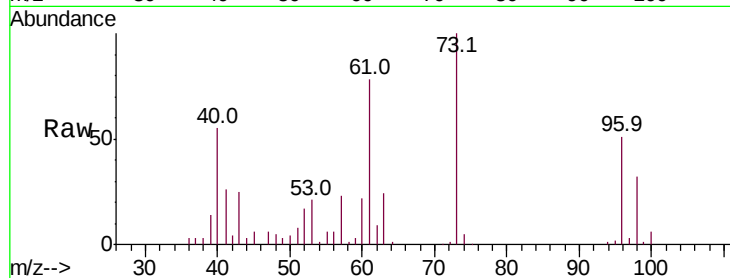
98 63.7 50.0 75.0

Manual Integrations

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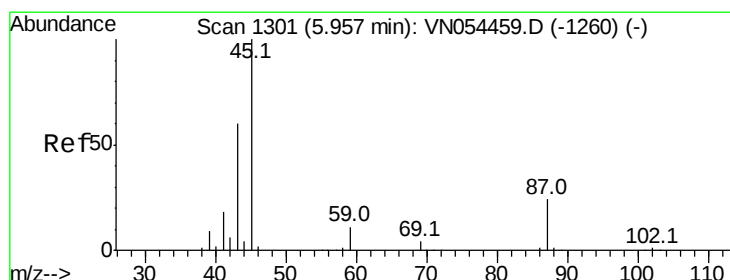
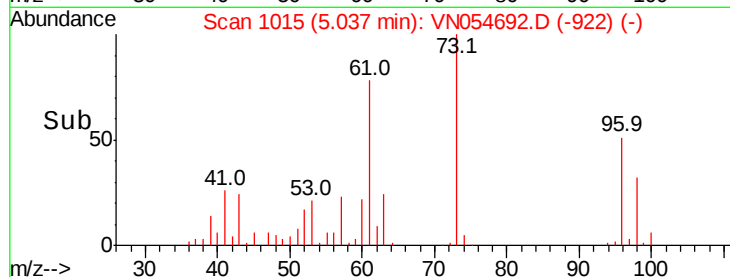
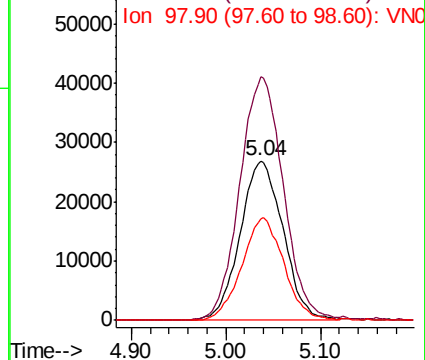


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 23.560 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion: 45 Resp: 333910

Ion Ratio Lower Upper

45 100

43 62.0 48.2 72.2

87 23.1 24.9 37.3#

59 10.5 9.5 14.3

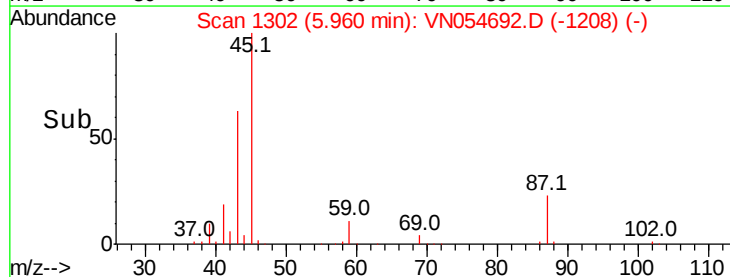
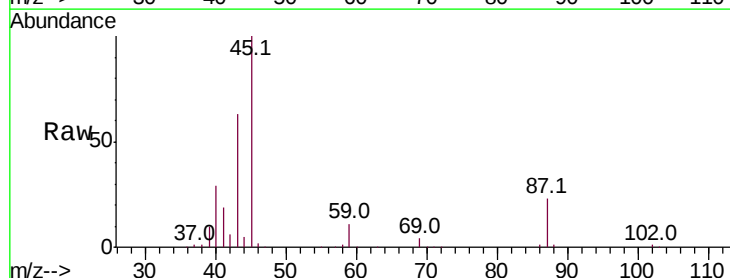
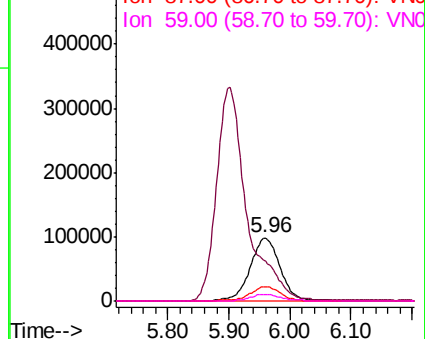
Abundance

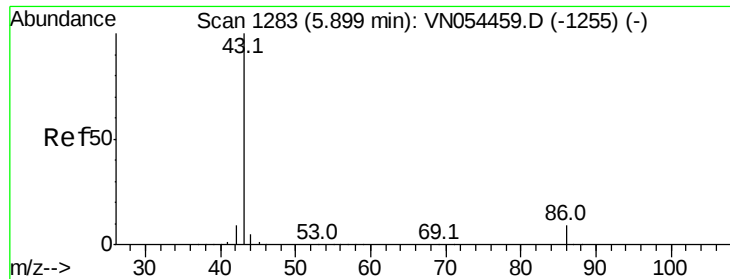
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 114.866 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 43 Resp: 1149786

Ion Ratio Lower Upper

43 100

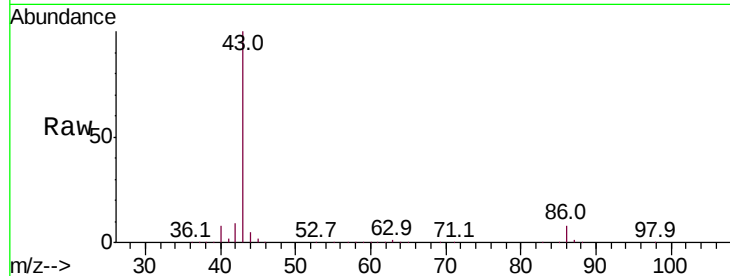
86 8.3 9.1 13.7#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

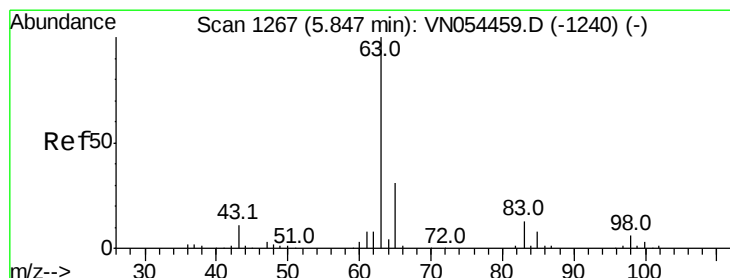
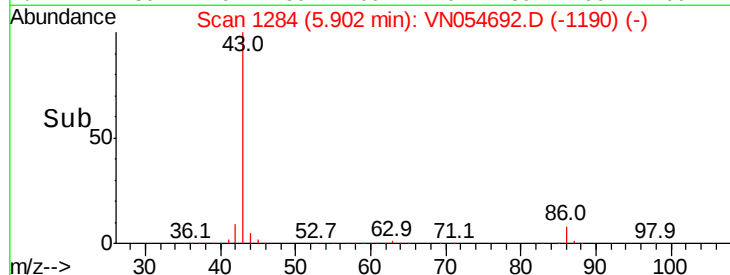
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.947 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

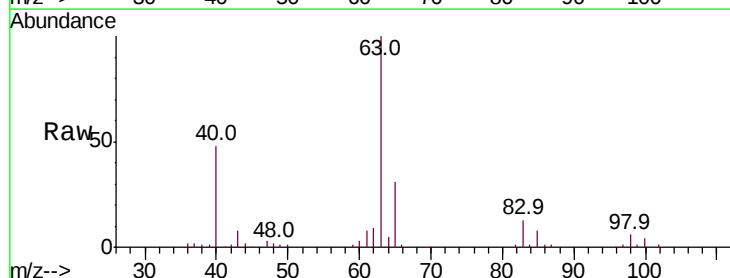
Tgt Ion: 63 Resp: 175114

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

100 3.8 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

5.85

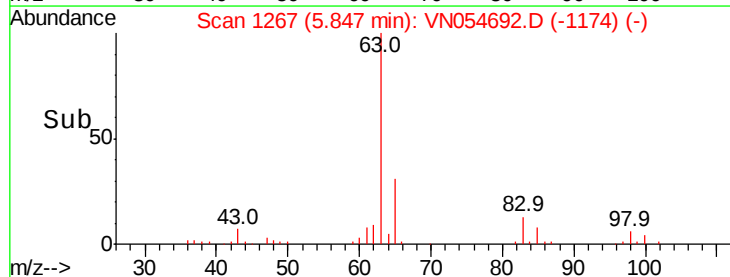
60000

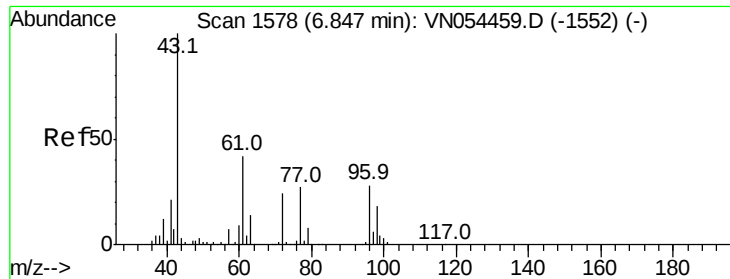
40000

20000

0

Time-->





#25

2-Butanone

Concen: 110.054 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion: 43 Resp: 208564

Ion Ratio Lower Upper

43 100

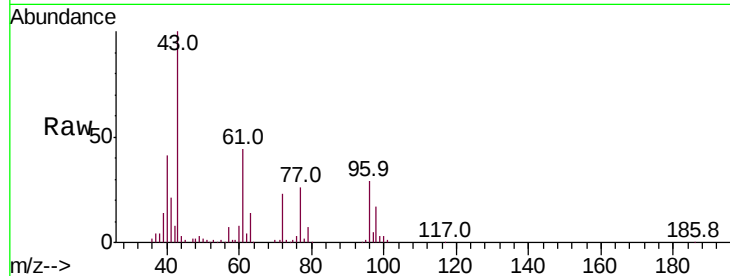
72 23.1 23.0 34.6

Manual Integrations

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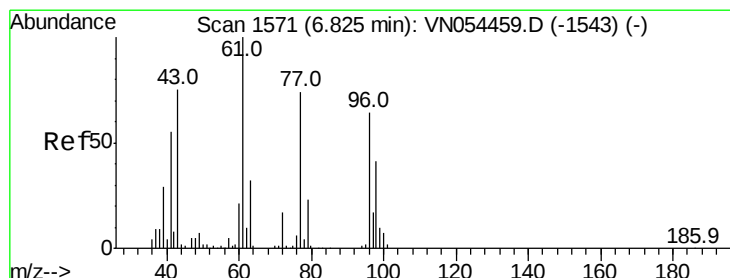
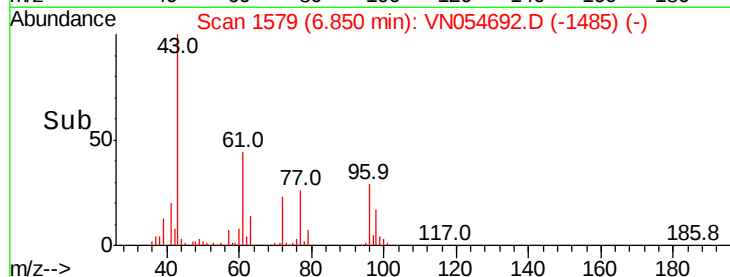
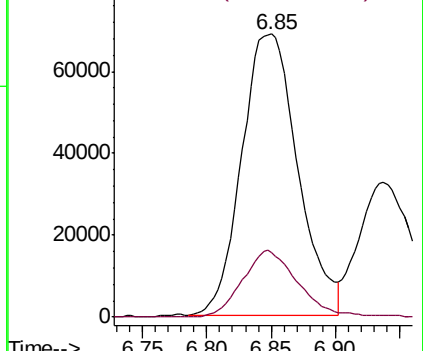
MMDadoda

3/27/2019 9:10:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 21.745 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054692.D

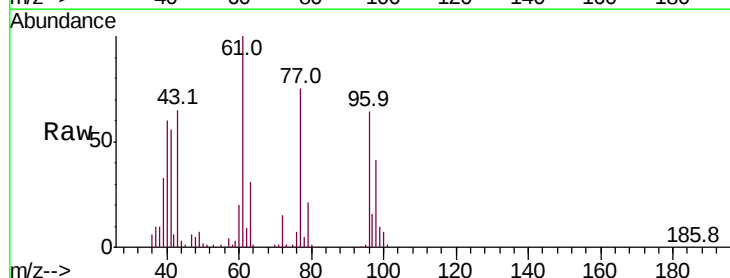
Acq: 26 Mar 2019 12:20

Tgt Ion: 77 Resp: 118289

Ion Ratio Lower Upper

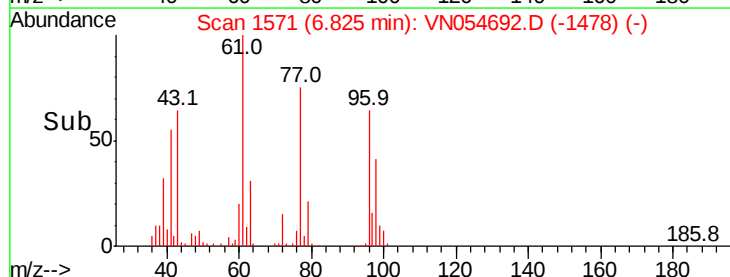
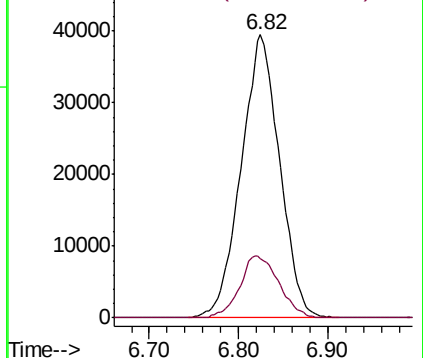
77 100

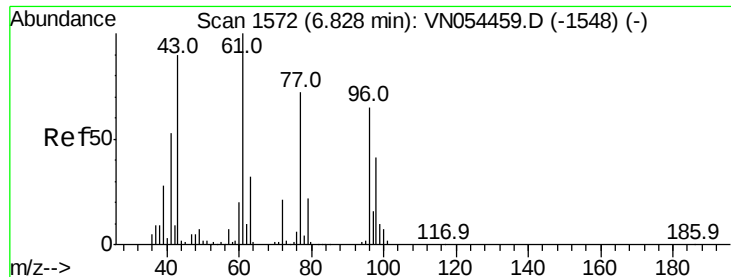
97 22.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.803 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

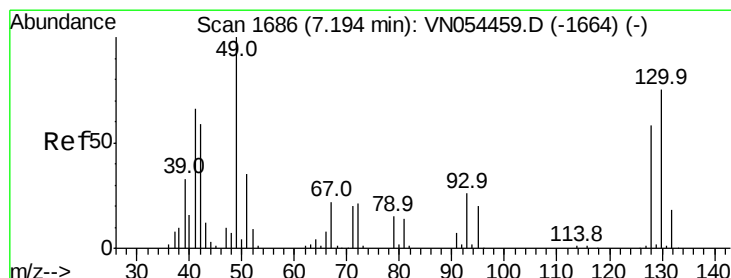
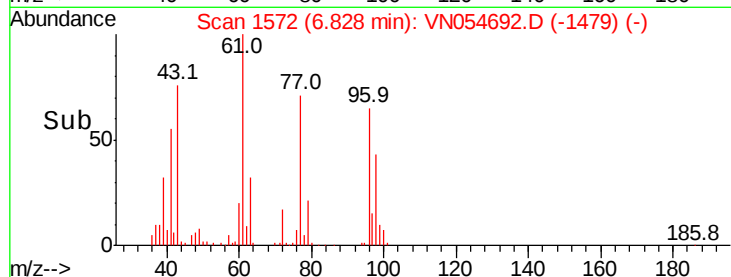
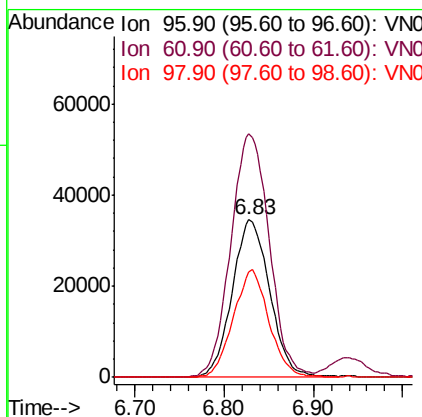
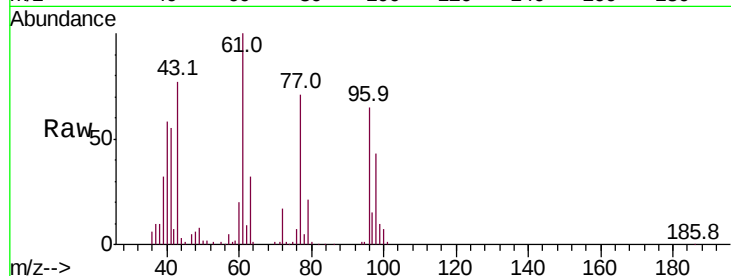
ClientSampleId :

VN0326WBSD01

Tot Ion:	96	Resp:	101328
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	273.0
98	64.8	0.0	130.6

Manual Integrations
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3/27/2019 9:10:19 AM



#28

Bromochloromethane

Concen: 24.007 ug/l

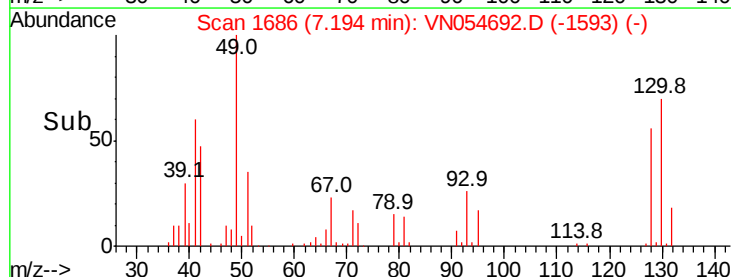
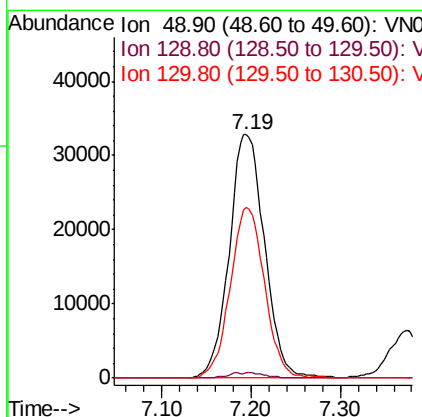
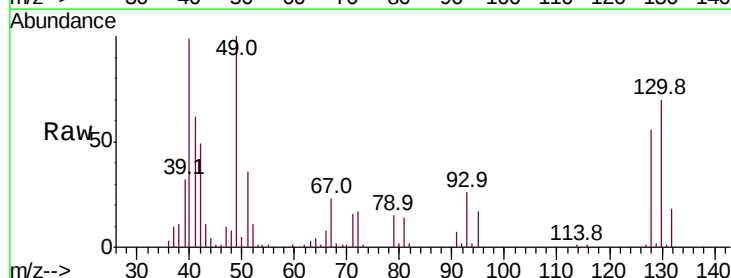
RT: 7.19 min Scan# 1686

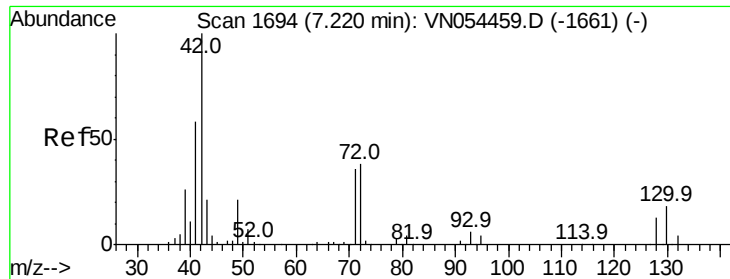
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	49	Resp:	90175
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	67.7	76.7	115.1#





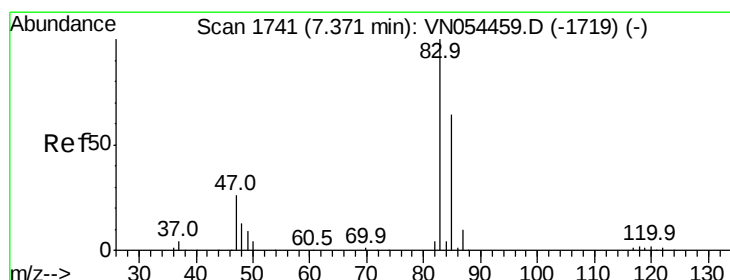
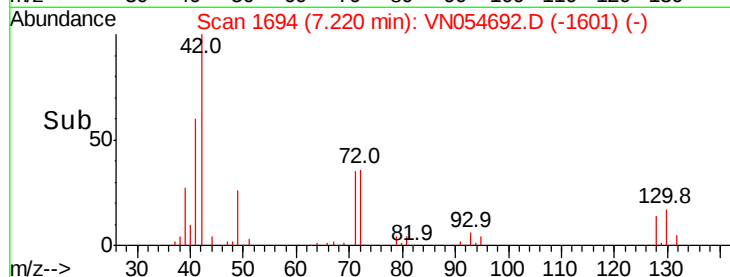
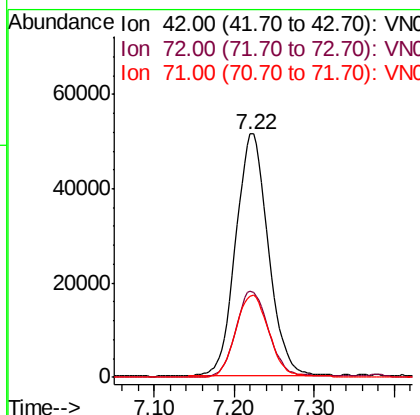
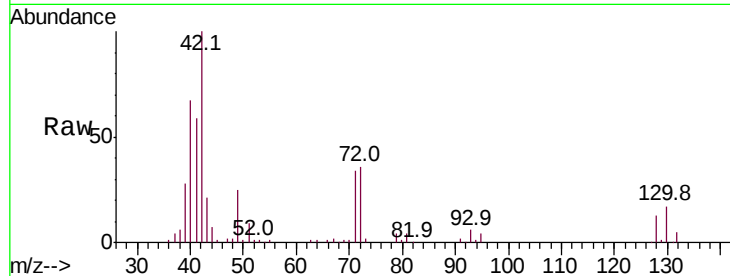
#29
Tetrahydrofuran
Concen: 115.061 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :
VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	34.8	36.2	54.2#

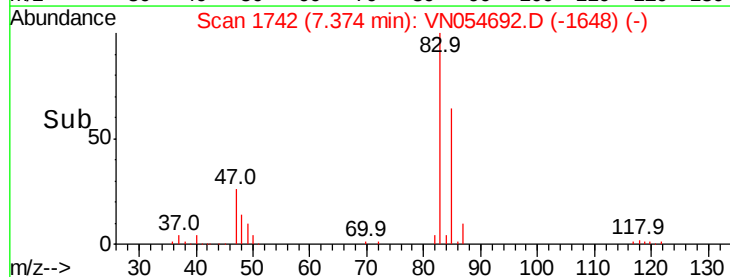
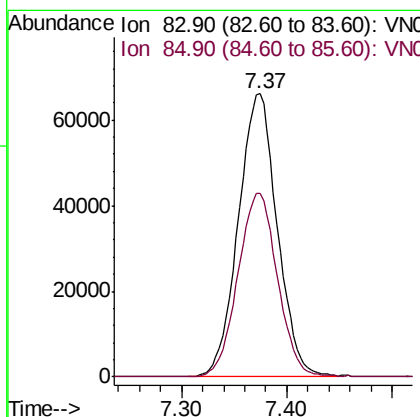
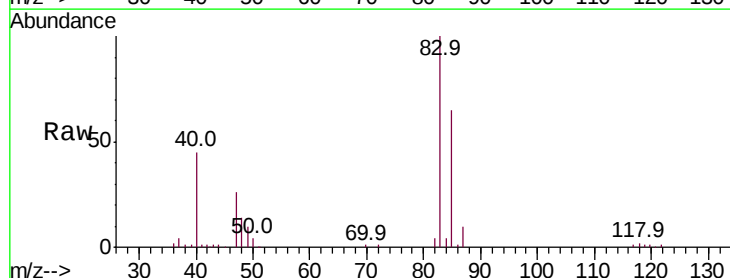
Manual Integrations
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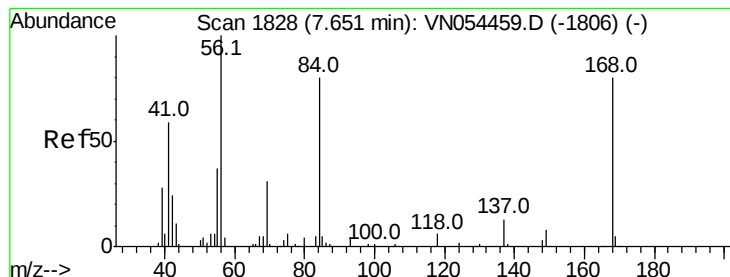
MMDadoda
3/27/2019 9:10:19 AM



#30
Chloroform
Concen: 22.795 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





#31

Cyclohexane

Concen: 21.009 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 56 Resp: 161498

Ion Ratio Lower Upper

56 100

69 34.1 27.8 41.6

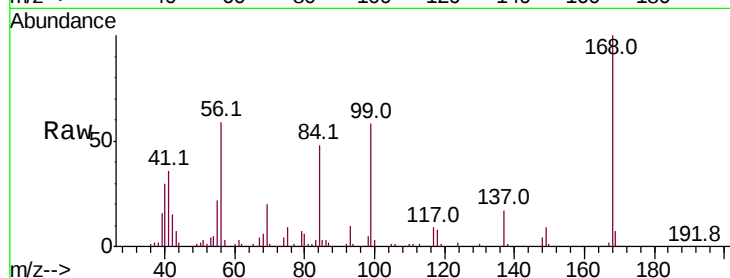
84 80.3 74.6 111.8

Manual Integrations

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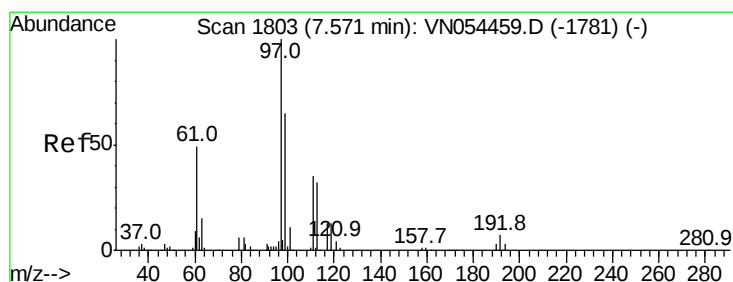
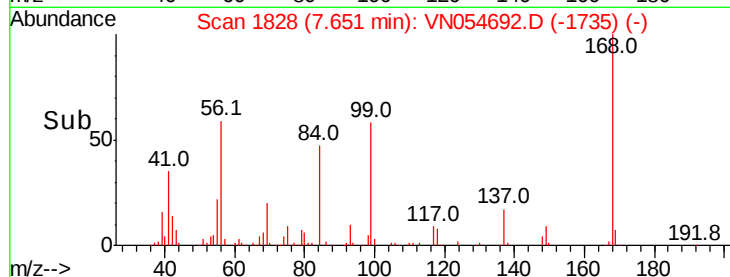
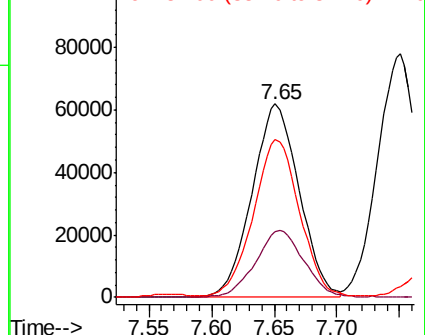


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 22.239 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

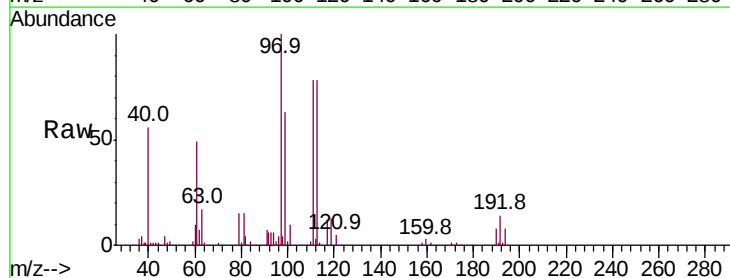
Tgt Ion: 97 Resp: 136640

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 50.0 33.6 50.4

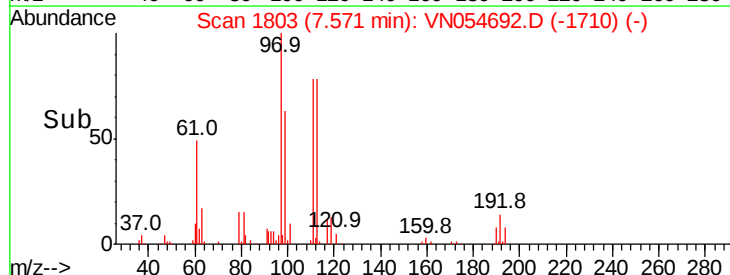
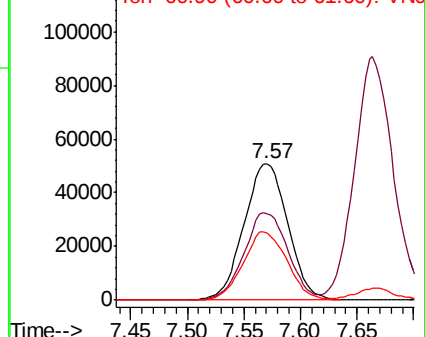


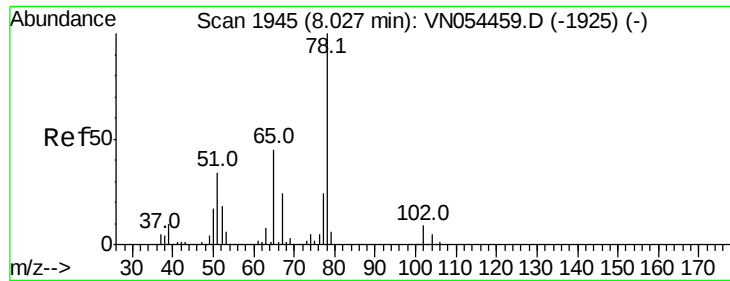
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 56.266 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 65 Resp: 276867

Ion Ratio Lower Upper

65 100

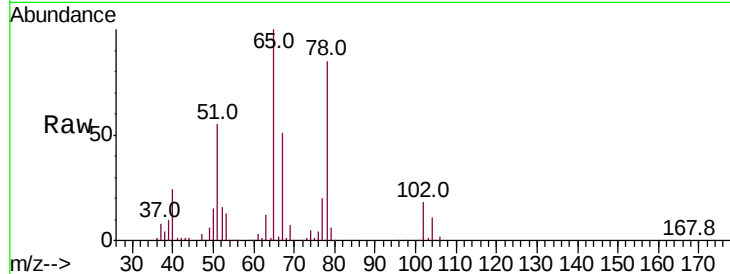
67 53.0 0.0 104.6

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Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

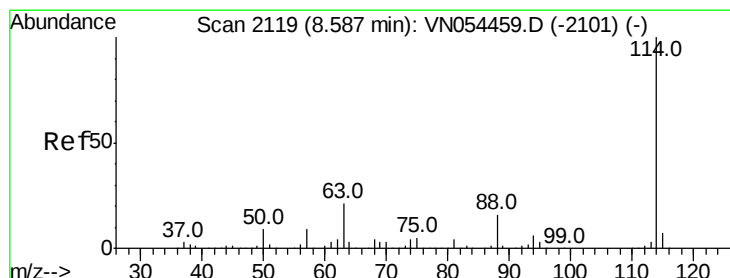
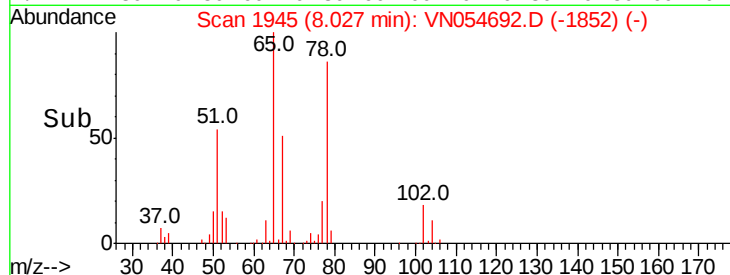
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

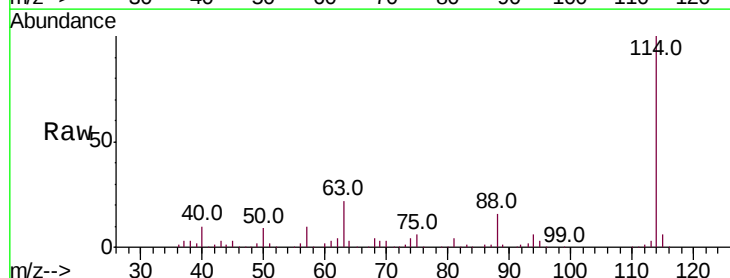
Tgt Ion:114 Resp: 662057

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

400000

300000

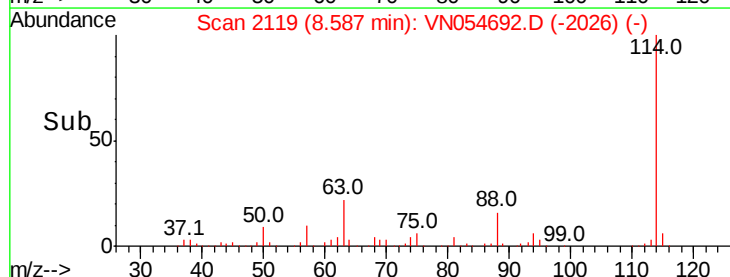
200000

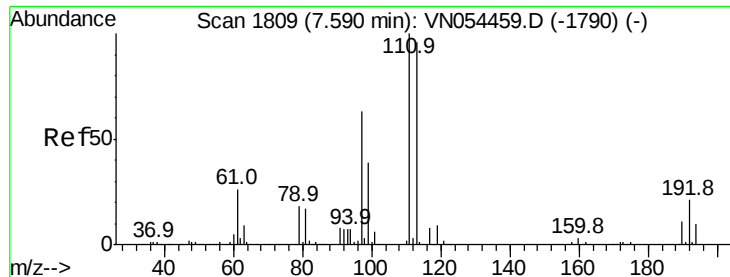
100000

0

8.50 8.60 8.70 8.80

Time-->





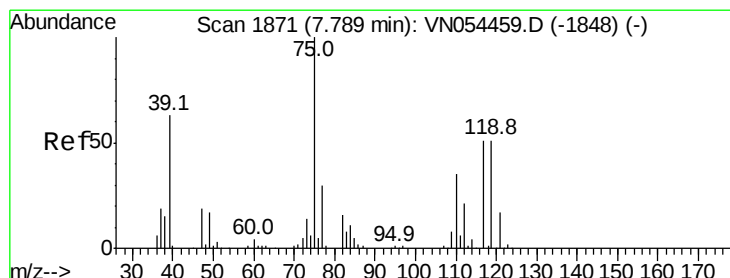
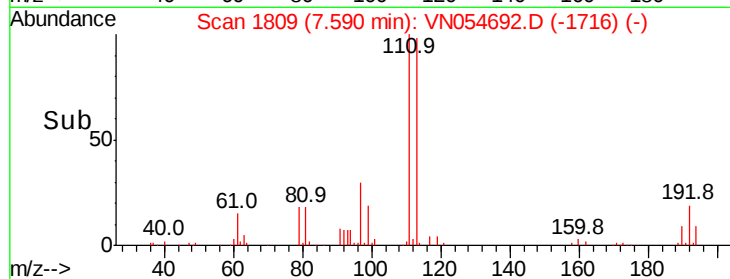
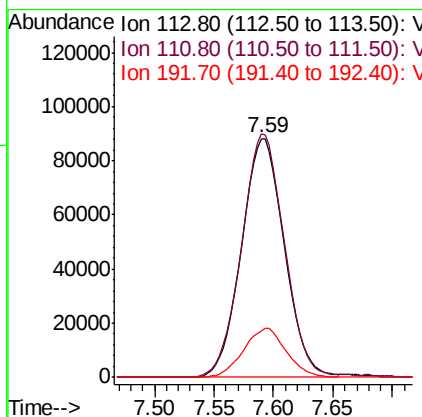
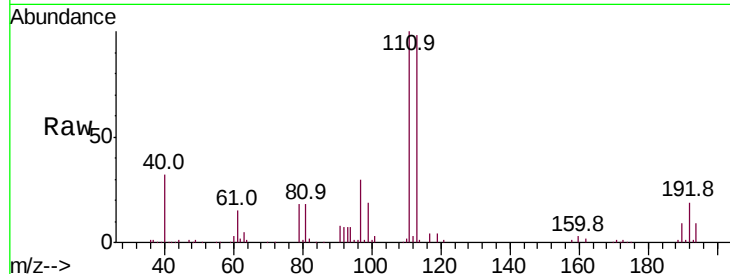
#35
 Dibromofluoromethane
 Concen: 51.637 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.2	123.4	
192	20.4	19.2	28.8	

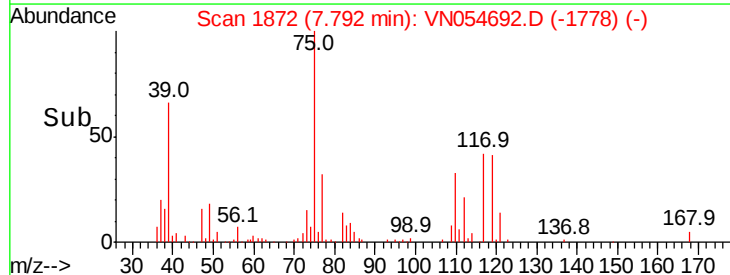
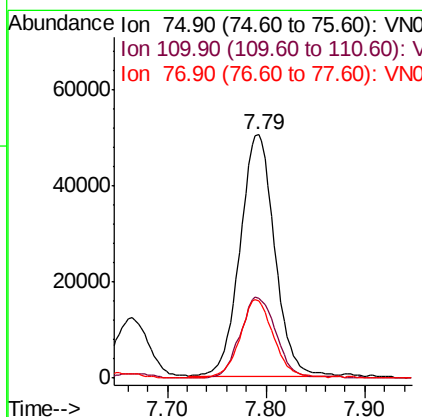
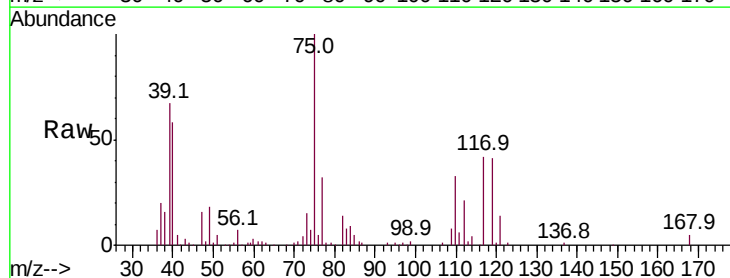
Manual Integrations
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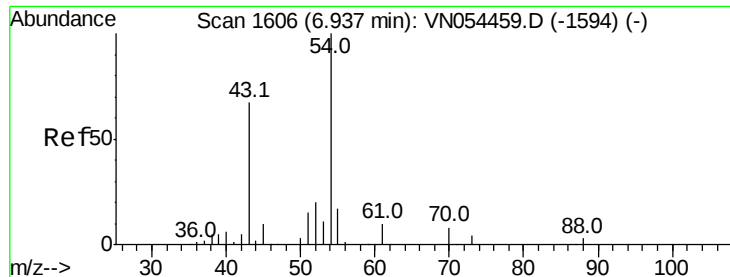
MMDadoda
 3/27/2019 9:10:19 AM



#36
 1,1-Dichloropropene
 Concen: 19.706 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	19.1	57.5	
77	31.7	25.0	37.4	





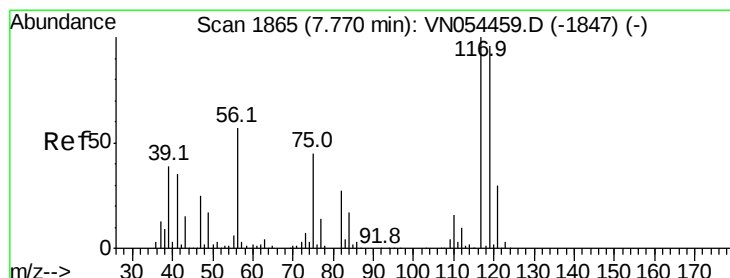
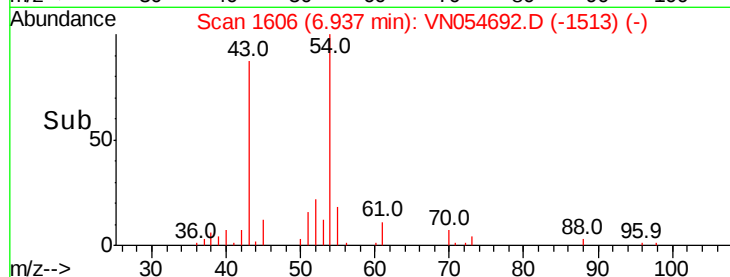
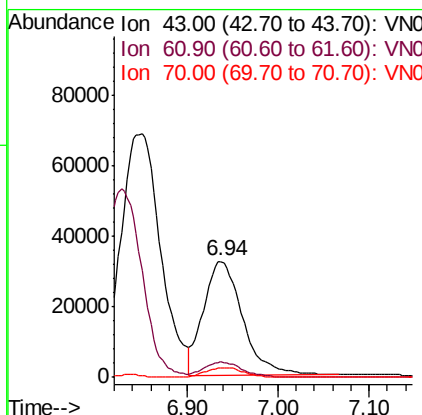
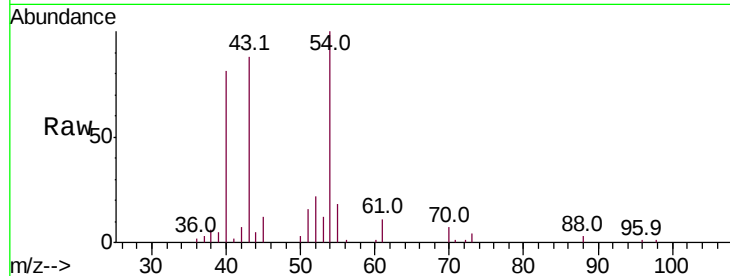
#37
Ethyl Acetate
Concen: 21.803 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion	43	61	70
Ratio	100	12.3	8.3
Lower		11.8	8.4
Upper		17.6	12.6

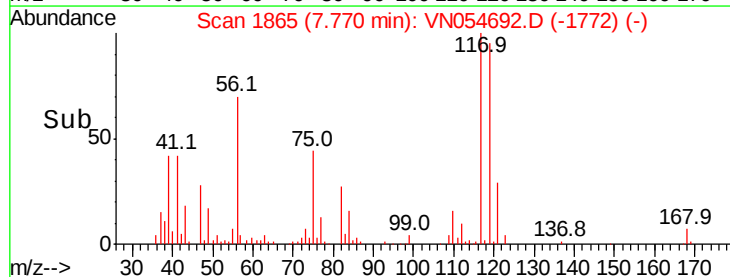
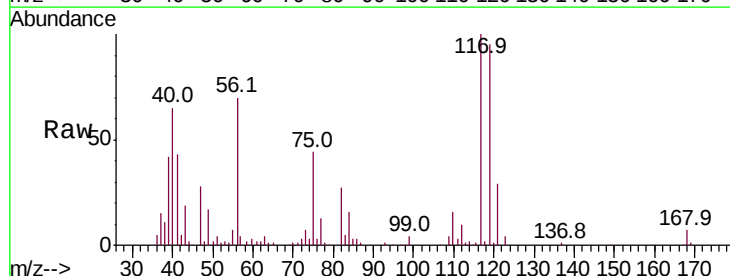
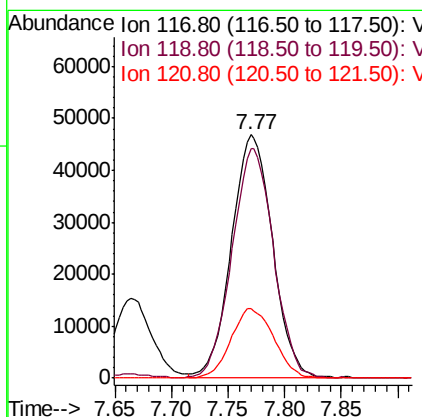
Manual Integrations
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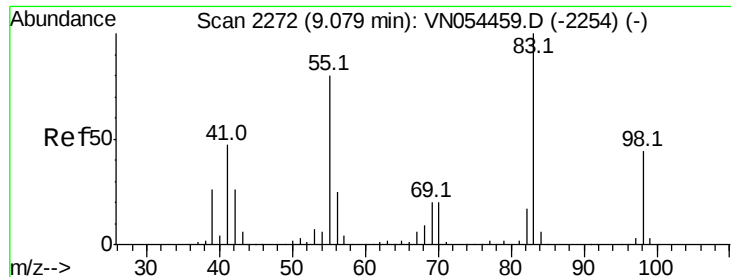
MMDadoda
3/27/2019 9:10:19 AM



#38
Carbon Tetrachloride
Concen: 19.566 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	117	119	121
Ratio	100	94.4	28.9
Lower		76.3	24.6
Upper		114.5	36.8





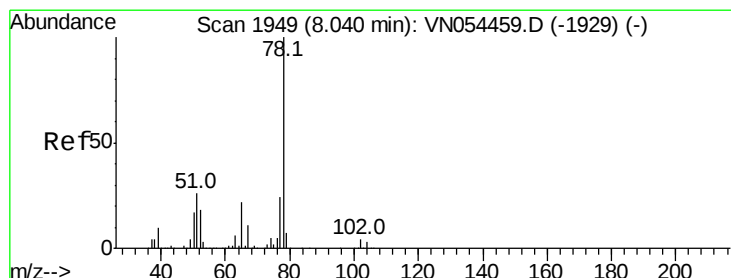
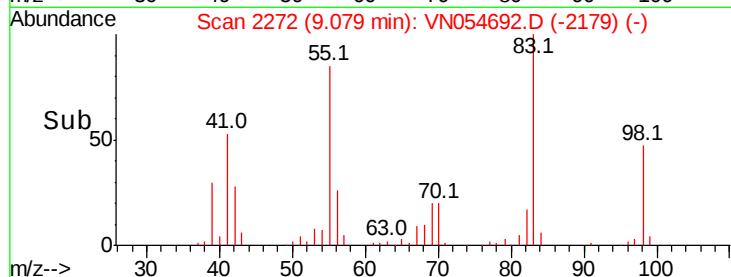
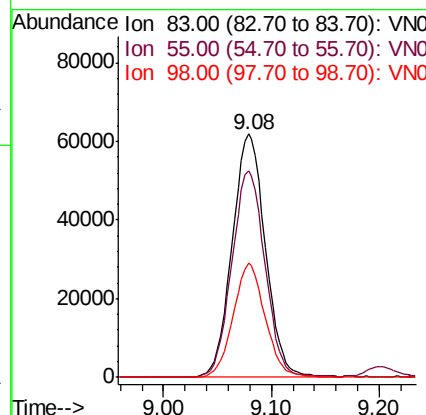
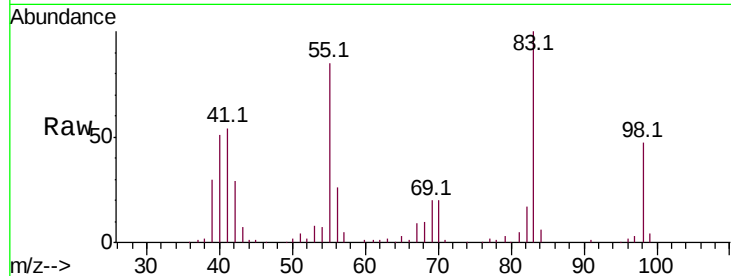
#39
Methvlcvclohexane
Concen: 18.807 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	56.6	84.8
98	47.0	38.4	57.6

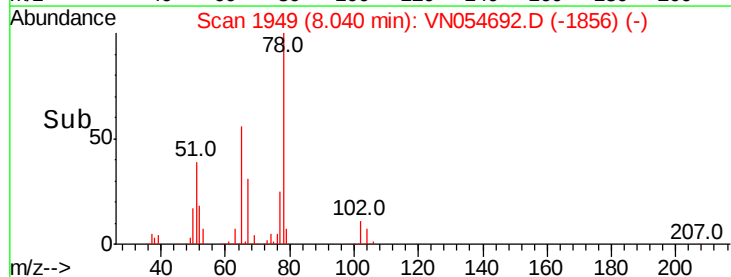
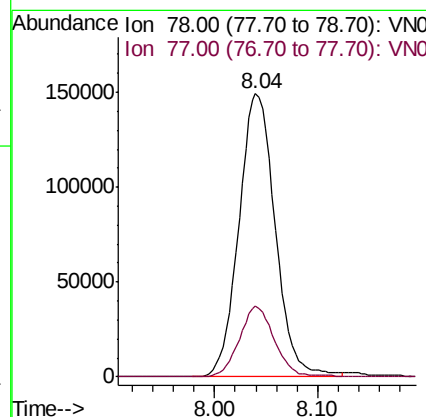
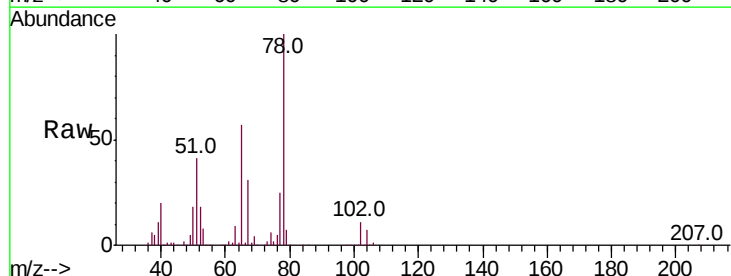
Manual Integrations
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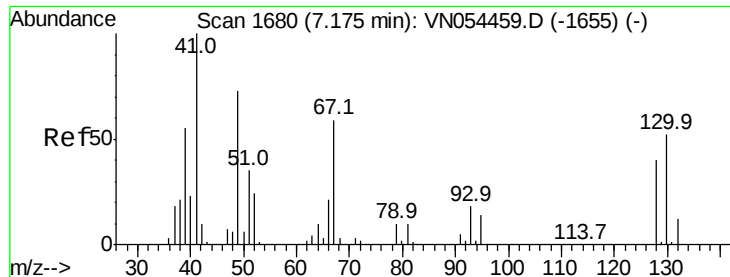
MMDadoda
3/27/2019 9:10:19 AM



#40
Benzene
Concen: 20.690 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





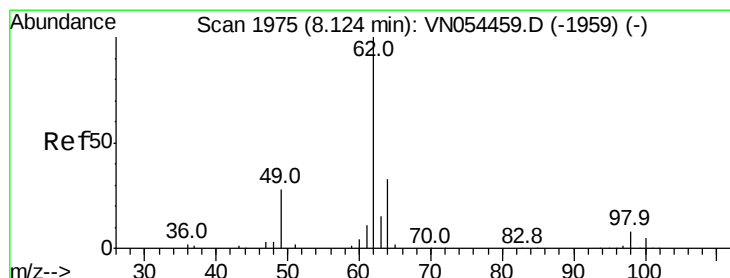
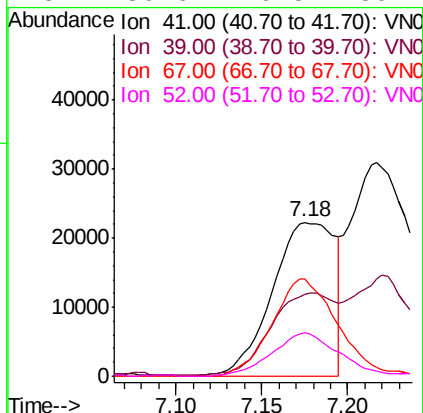
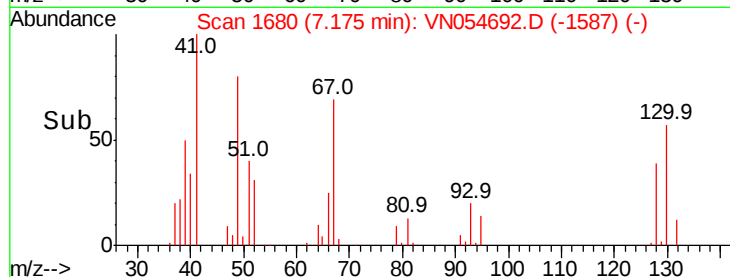
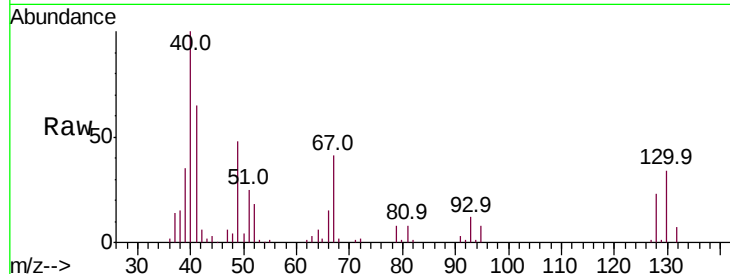
#41
Methacrylonitrile
Concen: 21.014 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	46.8	70.2
67	67.0	67.0	100.4
52	30.6	26.5	39.7

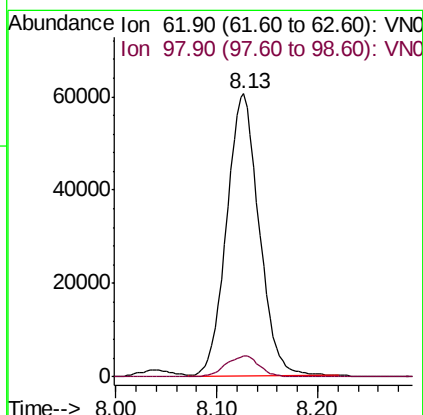
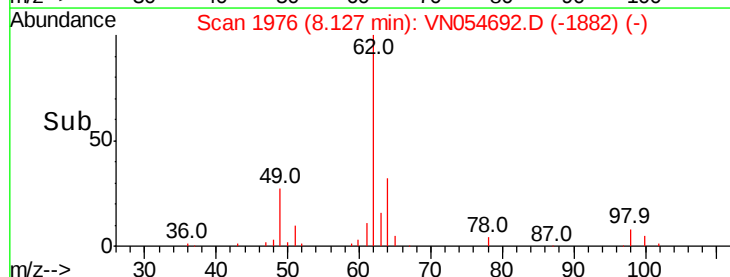
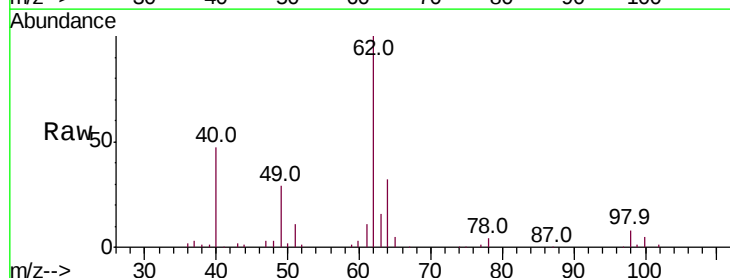
Manual Integrations
APPROVED

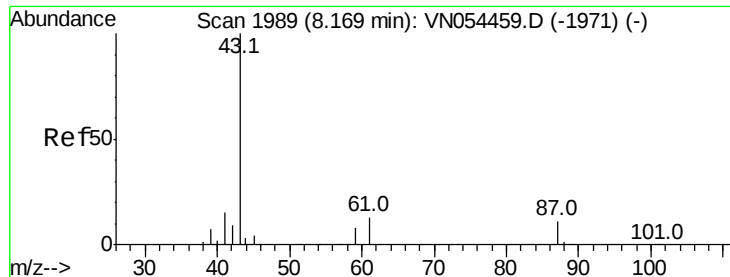
MMDadoda
3/27/2019 9:10:19 AM



#42
1,2-Dichloroethane
Concen: 21.074 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.005 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

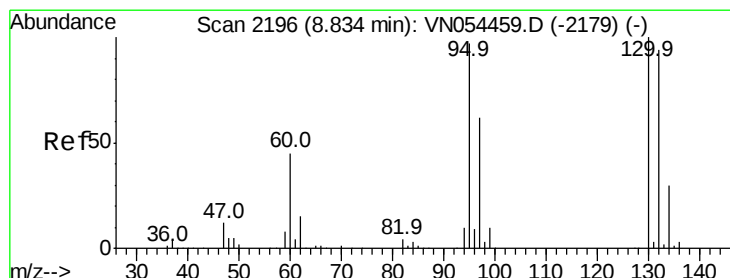
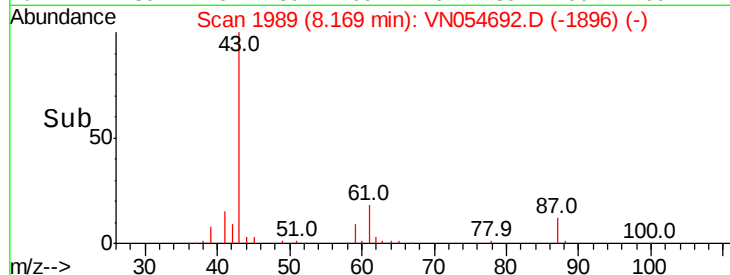
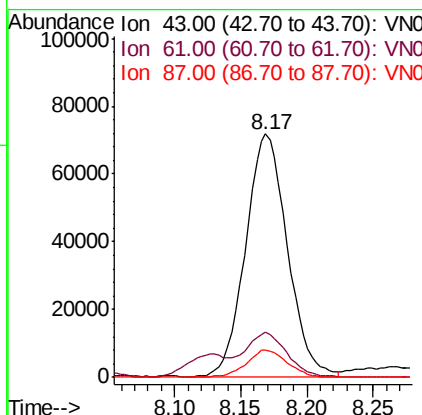
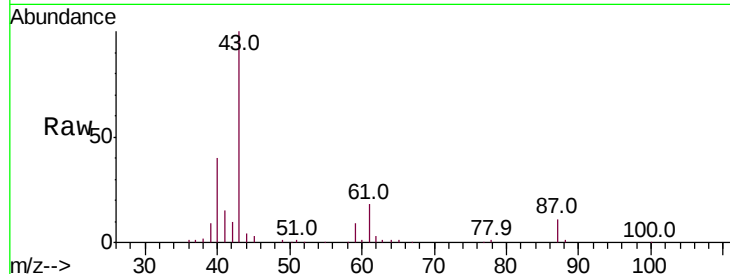
ClientSampleId :

VN0326WBSD01

Tot Ion:	43	Resp:	156188
Ion Ratio	Lower	Upper	
43	100		
61	17.2	15.8	23.8
87	11.1	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 19.488 ug/l

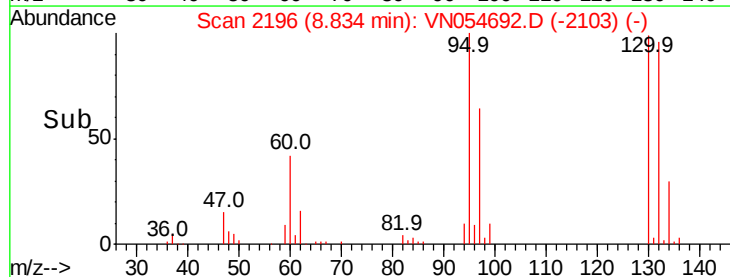
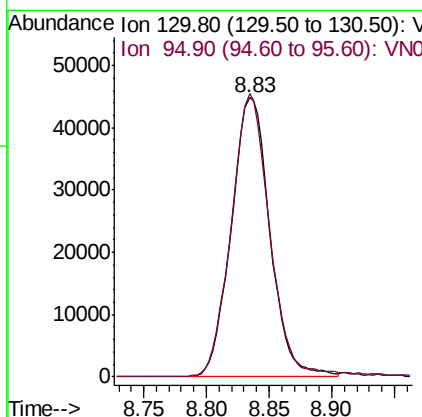
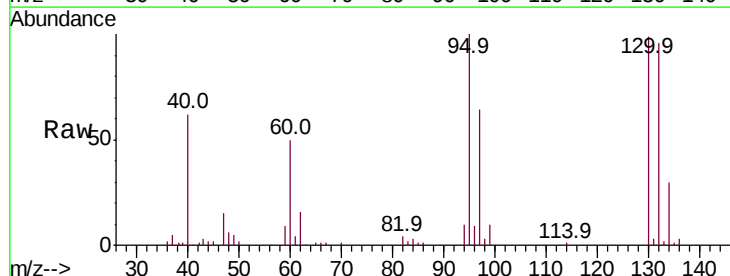
RT: 8.83 min Scan# 2196

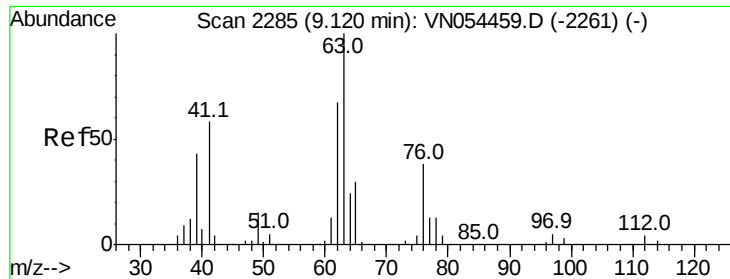
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	130	Resp:	95908
Ion Ratio	Lower	Upper	
130	100		
95	101.3	0.0	185.2





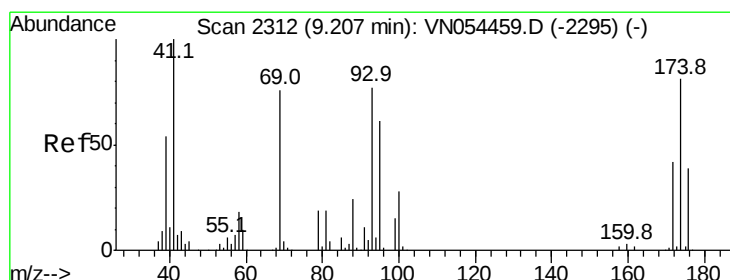
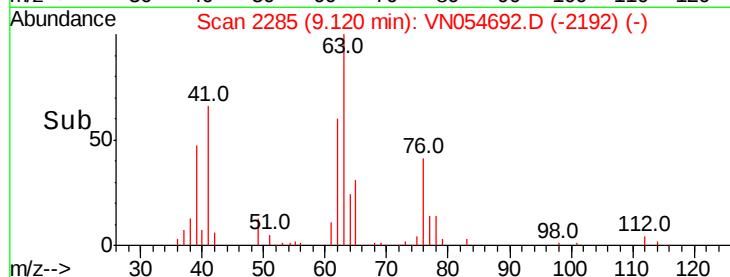
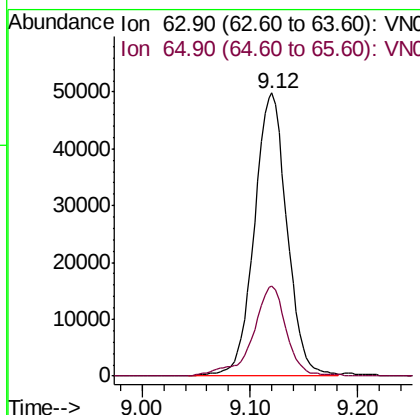
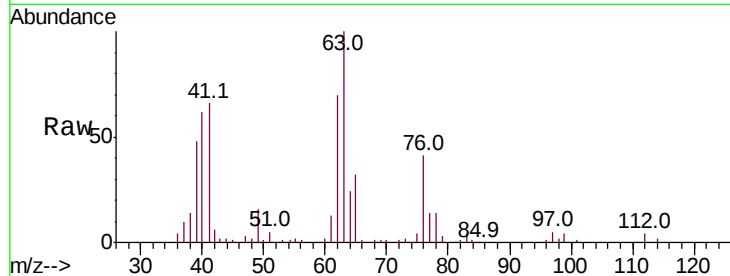
#45
 1,2-Dichloropropane
 Concen: 22.034 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion: 63 Resp: 104731
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

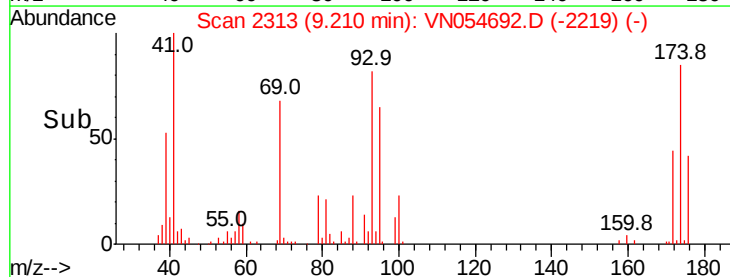
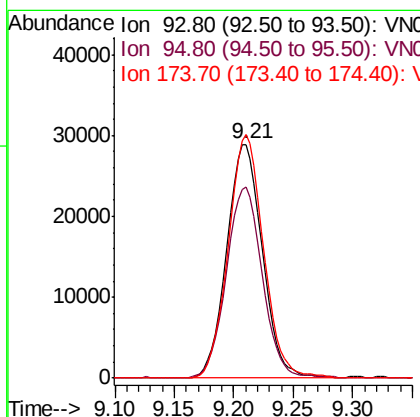
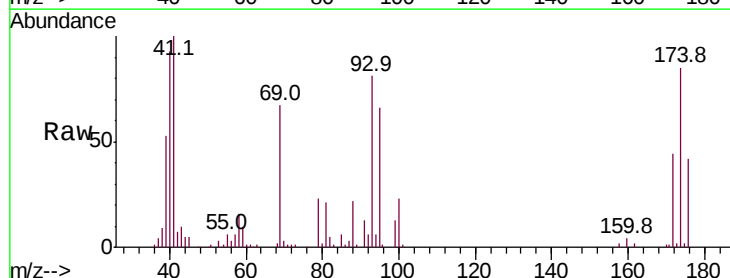
Manual Integrations
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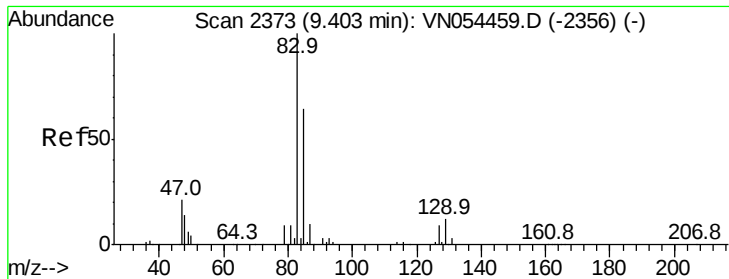
MMDadoda
 3/27/2019 9:10:19 AM



#46
 Dibromomethane
 Concen: 21.135 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion: 93 Resp: 59932
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 103.2 98.5 147.7





#47

Bromodichloromethane

Concen: 21.688 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

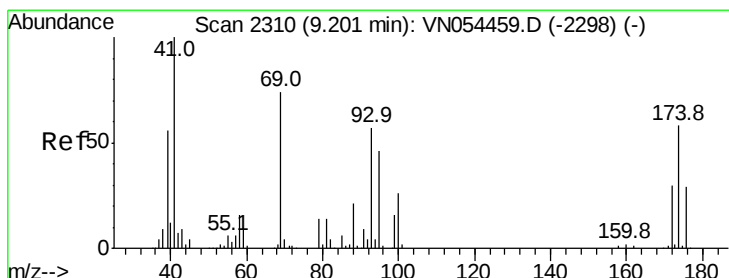
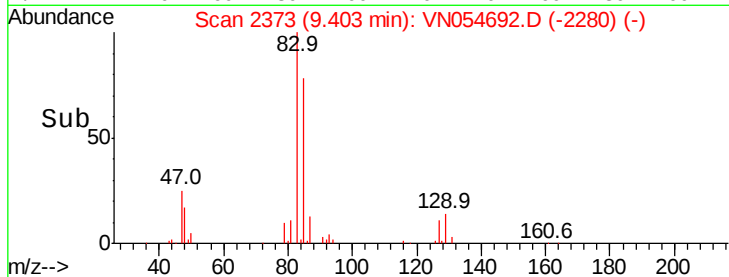
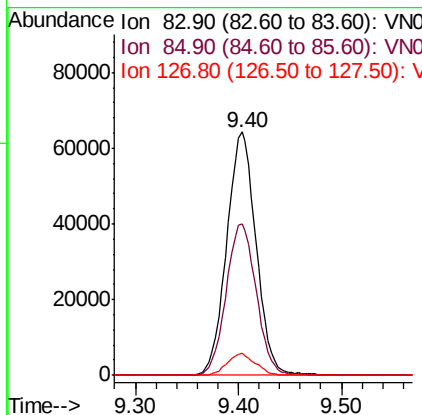
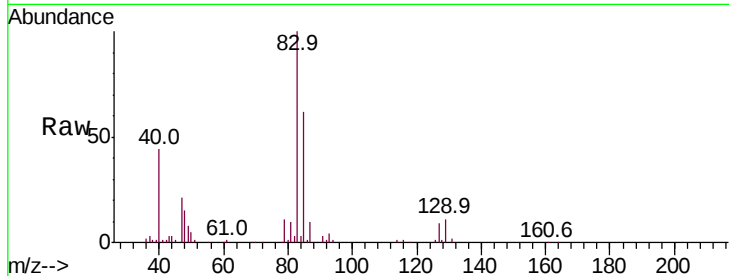
ClientSampleId :

VN0326WBSD01

Tot Ion:	83	Resp:	127634
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.8	79.2
127	8.9	7.4	11.2

Manual Integrations
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MMDadoda
3/27/2019 9:10:19 AM



#48

Methyl methacrylate

Concen: 20.633 ug/l

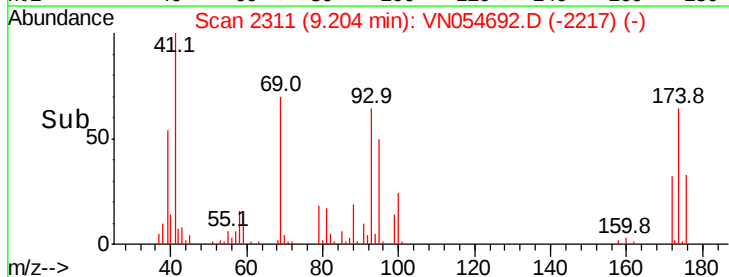
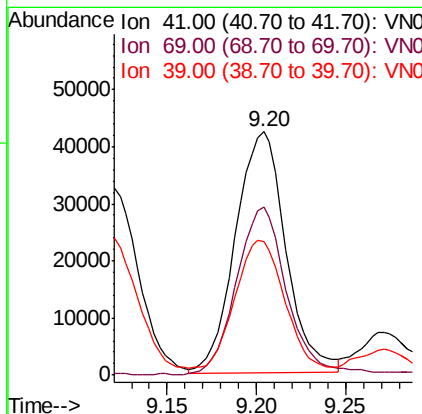
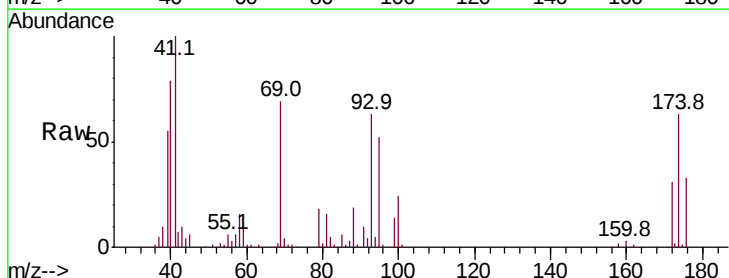
RT: 9.20 min Scan# 2311

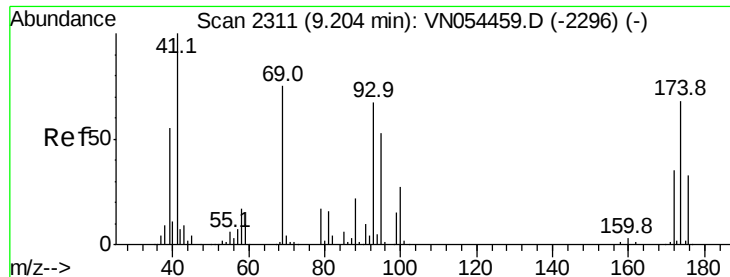
Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	41	Resp:	83271
Ion	Ratio	Lower	Upper
41	100		
69	71.0	72.6	108.8#
39	54.7	47.5	71.3





#49

1,4-Dioxane

Concen: 395.633 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 88 Resp: 17850

Ion Ratio Lower Upper

88 100

43 39.6 24.1 36.1#

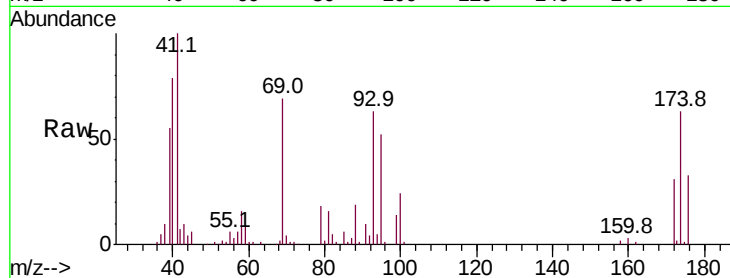
58 76.7 50.8 76.2#

Manual Integrations

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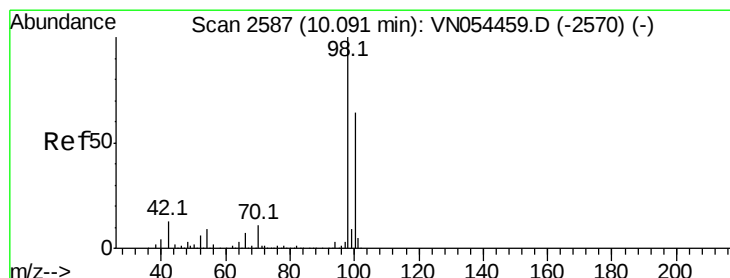
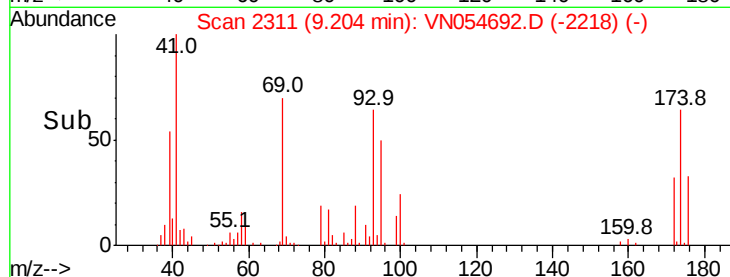
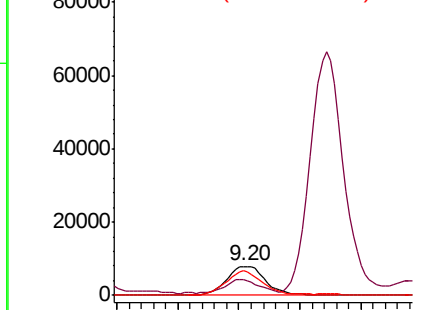
3/27/2019 9:10:19 AM



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.802 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054692.D

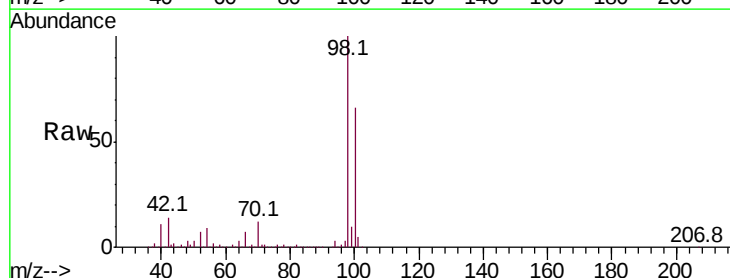
Acq: 26 Mar 2019 12:20

Tgt Ion: 98 Resp: 798563

Ion Ratio Lower Upper

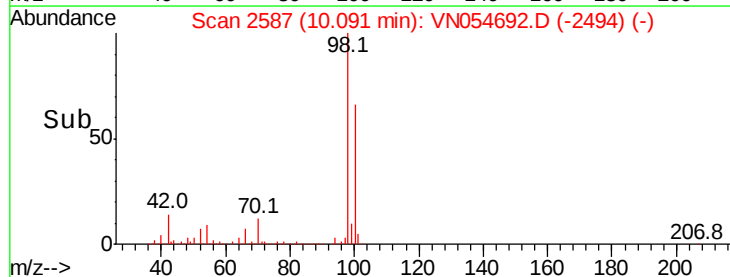
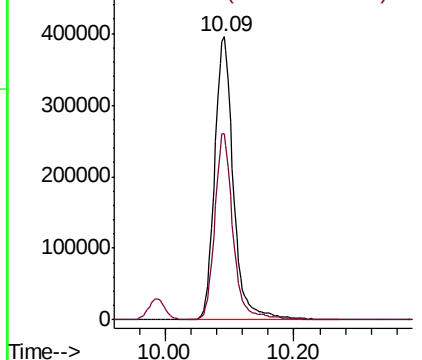
98 100

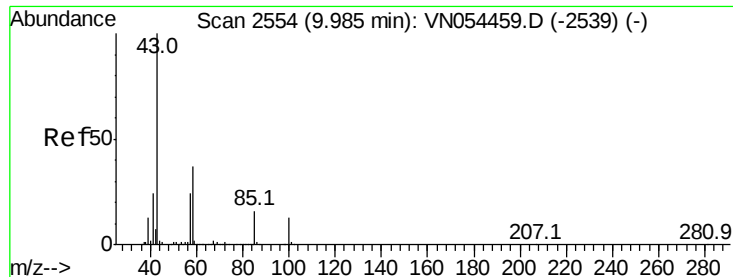
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.129 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 43 Resp: 445584

Ion Ratio Lower Upper

43 100

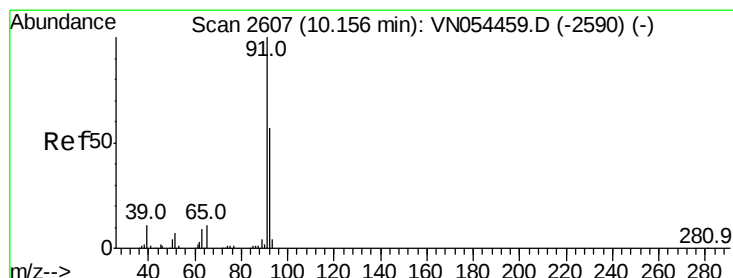
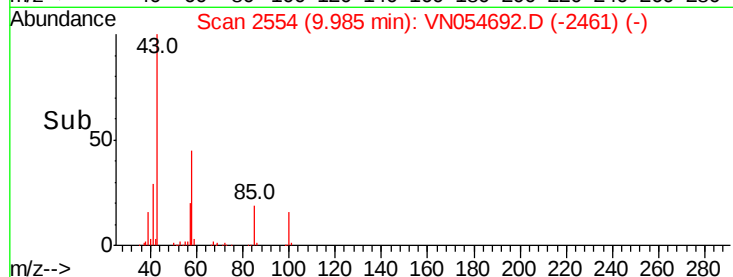
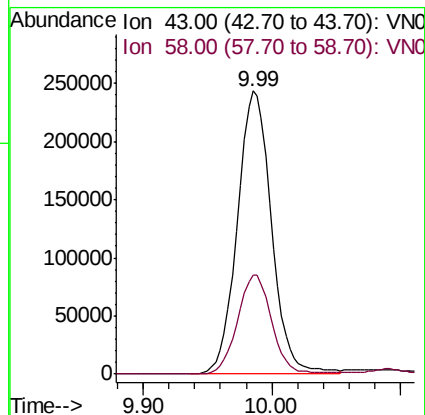
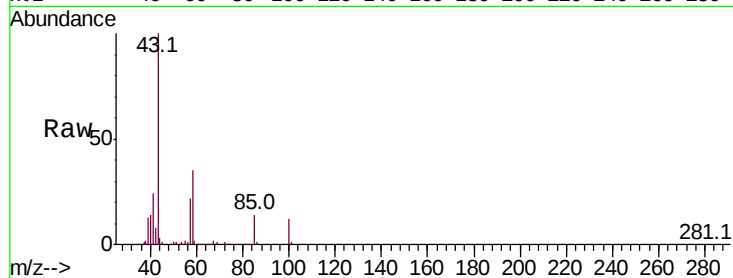
58 35.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 20.166 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054692.D

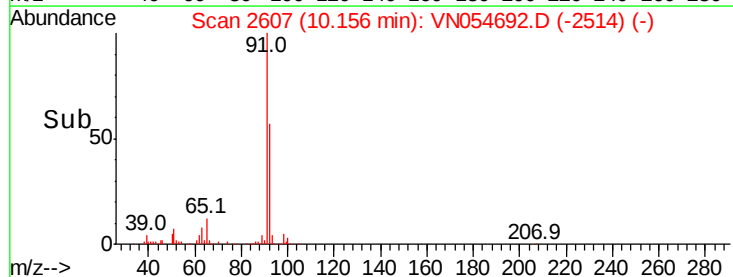
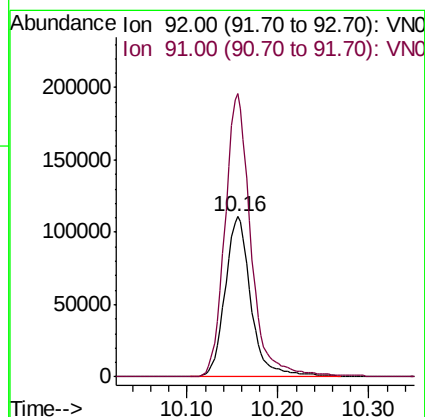
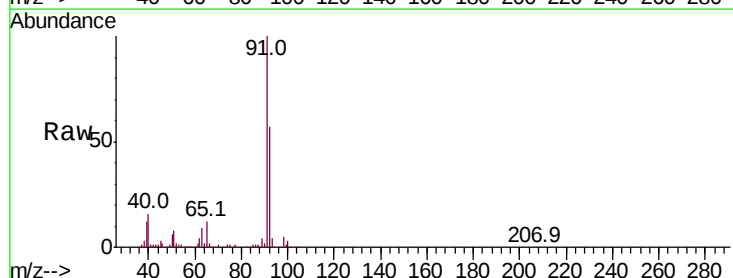
Acq: 26 Mar 2019 12:20

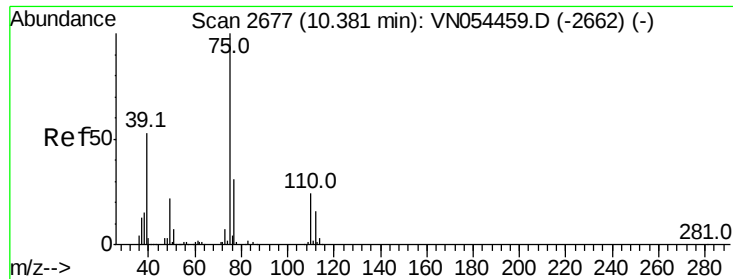
Tgt Ion: 92 Resp: 219552

Ion Ratio Lower Upper

92 100

91 178.3 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.417 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion: 75 Resp: 111672

Ion Ratio Lower Upper

75 100

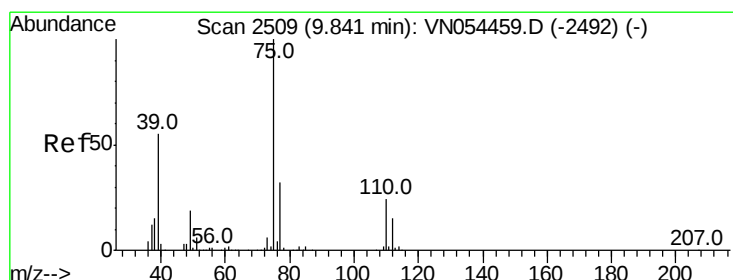
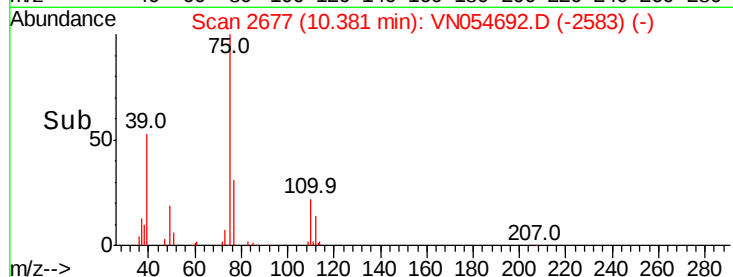
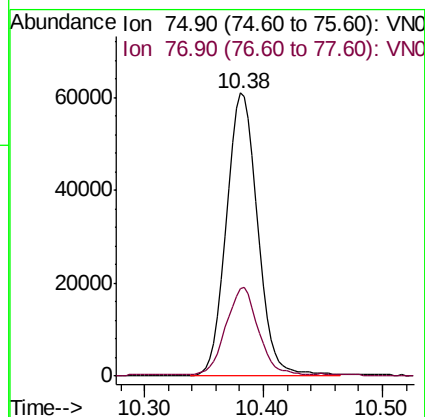
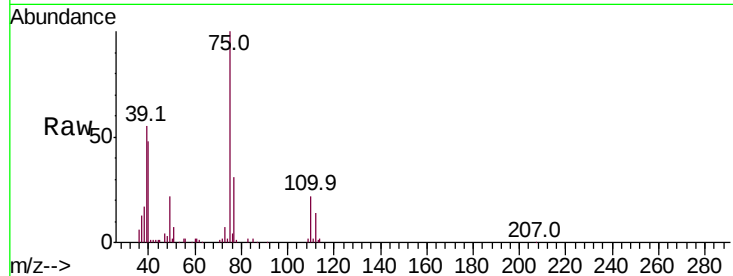
77 30.4 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.625 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

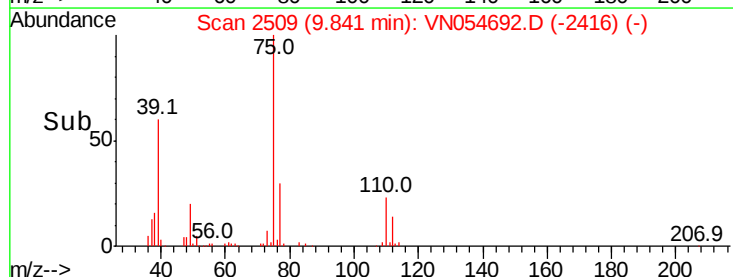
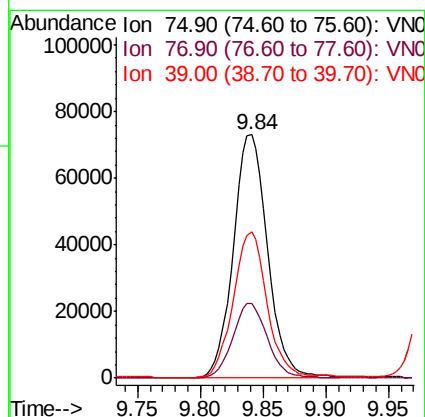
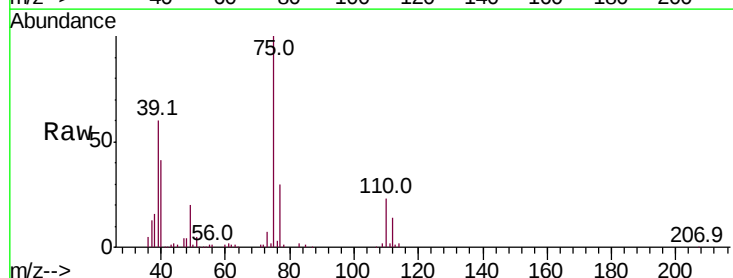
Tgt Ion: 75 Resp: 139175

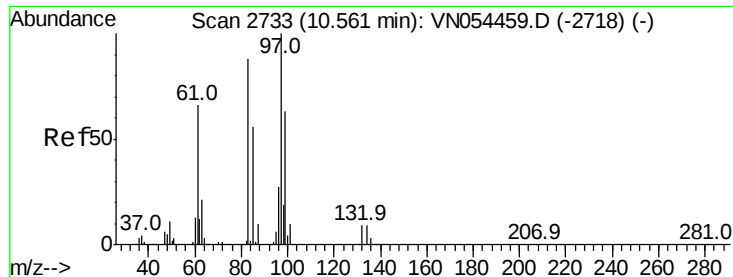
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 59.7 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.019 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

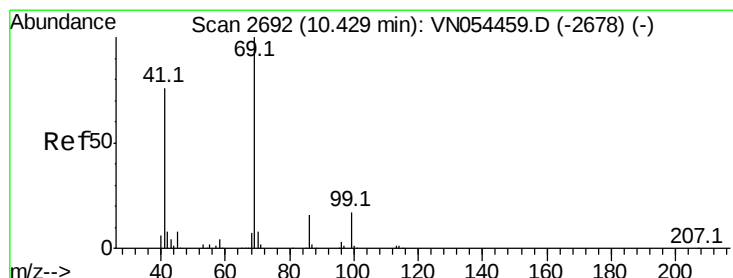
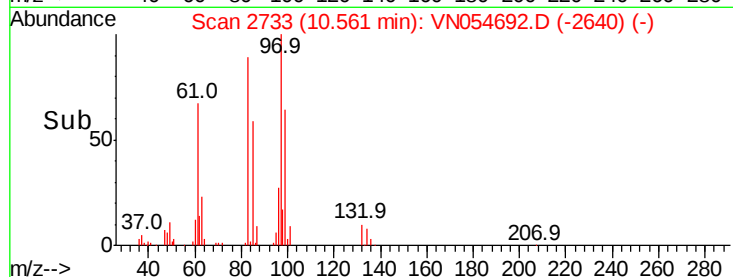
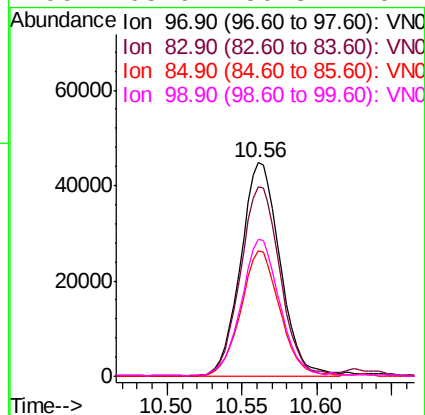
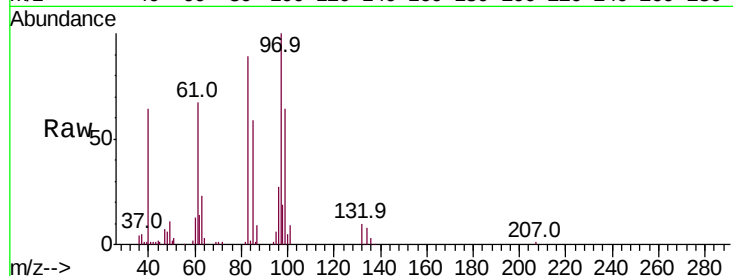
ClientSampleId :

VN0326WBSD01

Tot Ion:	97	Resp:	82258
Ion	Ratio	Lower	Upper
97	100		
83	88.7	66.6	100.0
85	58.7	44.4	66.6
99	63.6	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.768 ug/l

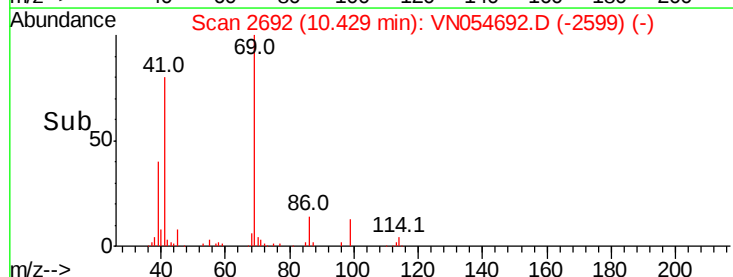
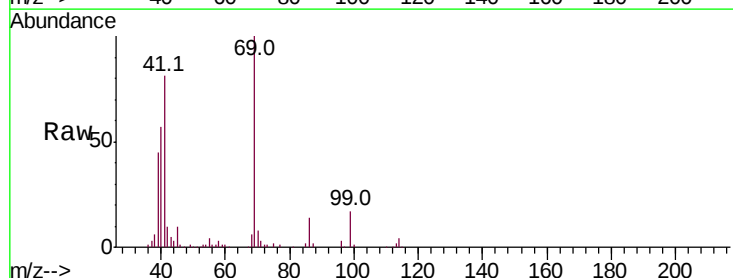
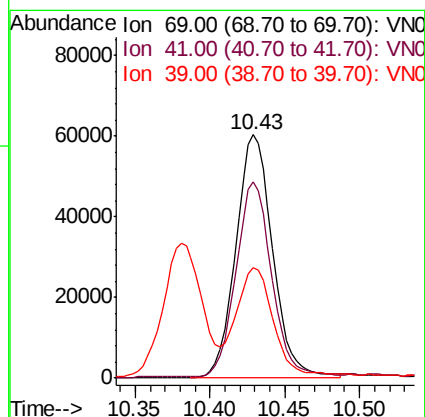
RT: 10.43 min Scan# 2692

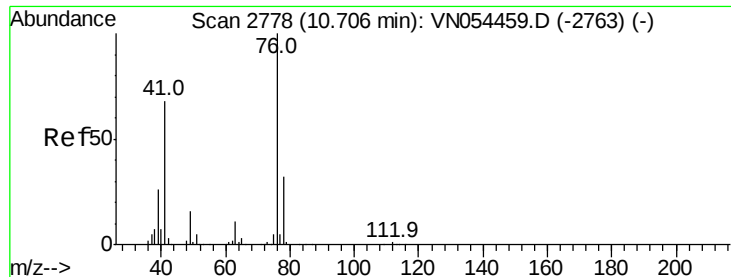
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	69	Resp:	103835
Ion	Ratio	Lower	Upper
69	100		
41	76.8	49.4	74.2#
39	44.7	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.396 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 76 Resp: 145559

Ion Ratio Lower Upper

76 100

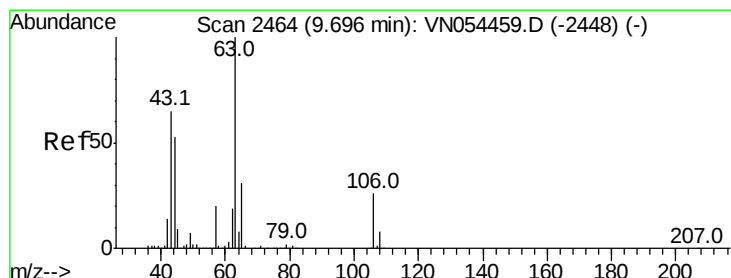
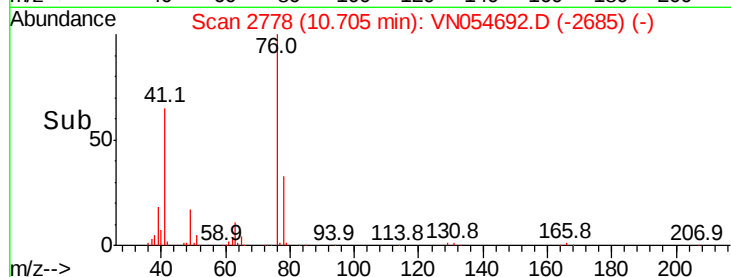
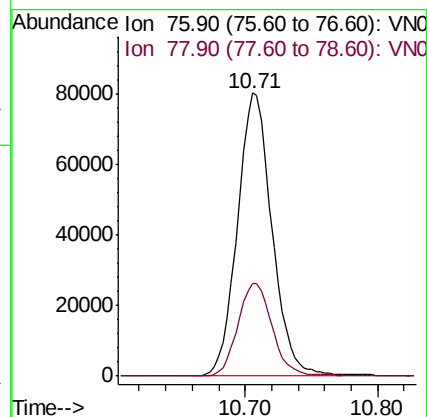
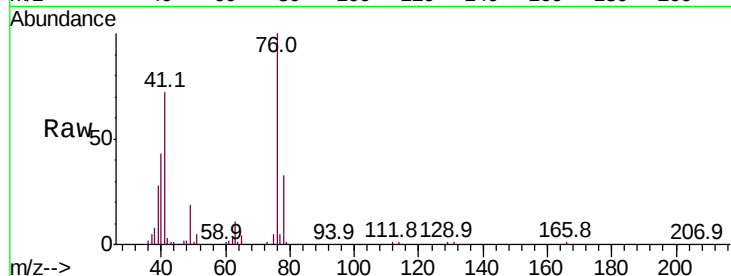
78 32.7 25.7 38.5

Manual Integrations

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MMDadoda

3/27/2019 9:10:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 86.296 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054692.D

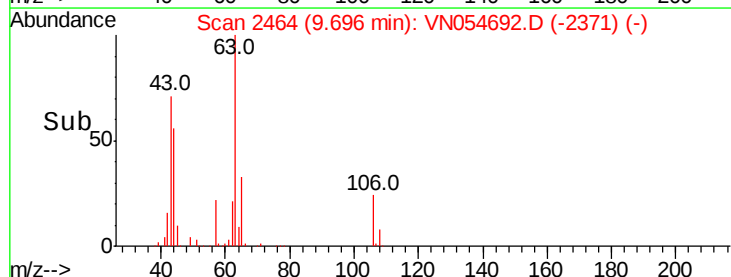
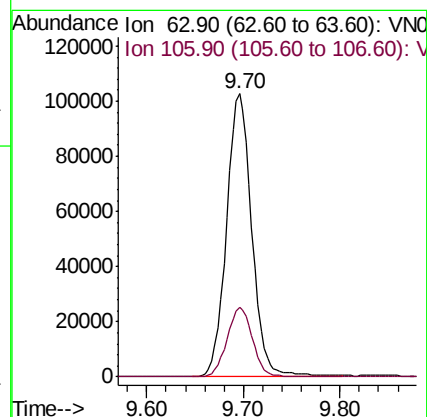
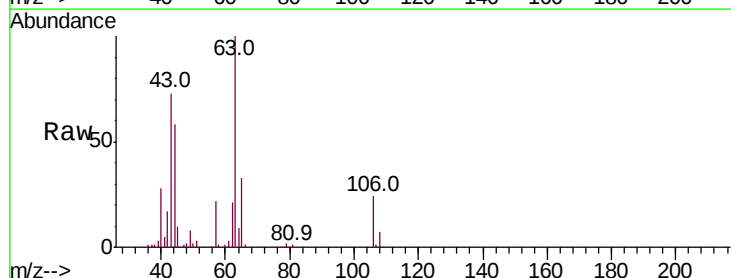
Acq: 26 Mar 2019 12:20

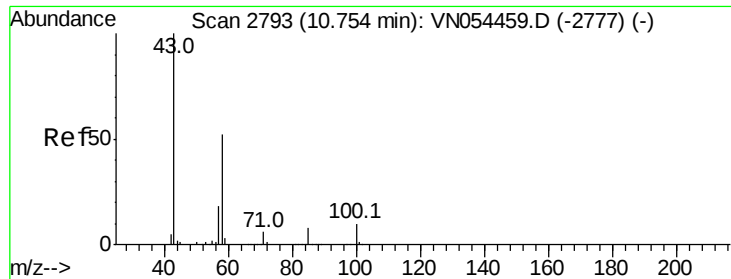
Tgt Ion: 63 Resp: 186657

Ion Ratio Lower Upper

63 100

106 24.7 24.4 36.6





#59

2-Hexanone

Concen: 102.388 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 43 Resp: 275597

Ion Ratio Lower Upper

43 100

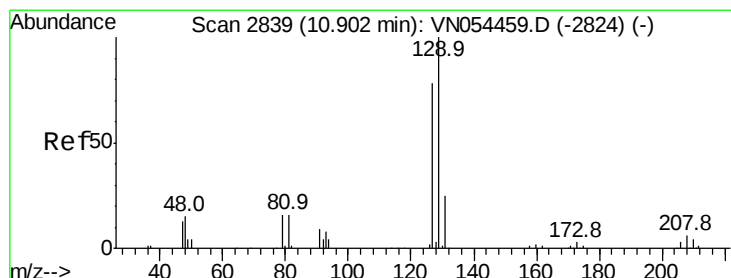
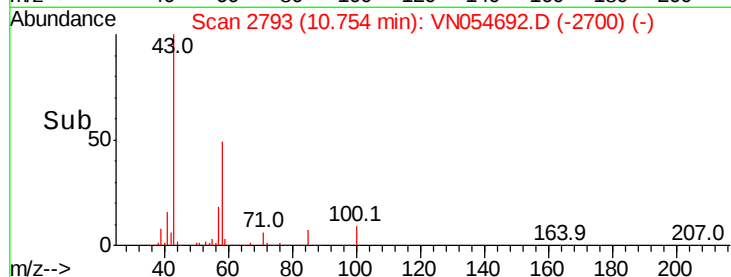
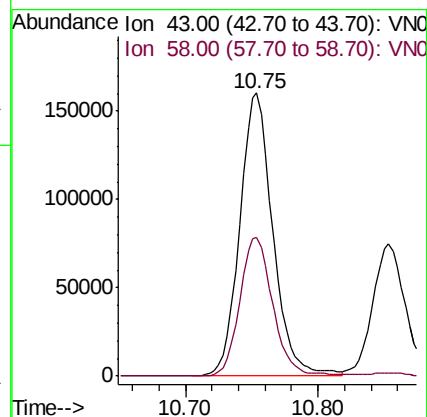
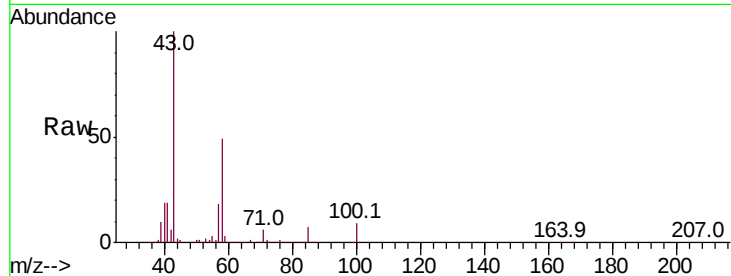
58 49.3 28.0 83.9

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.084 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054692.D

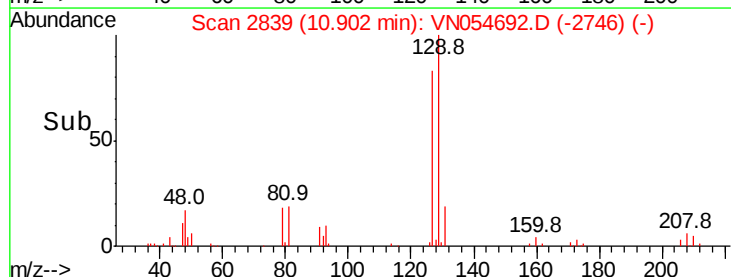
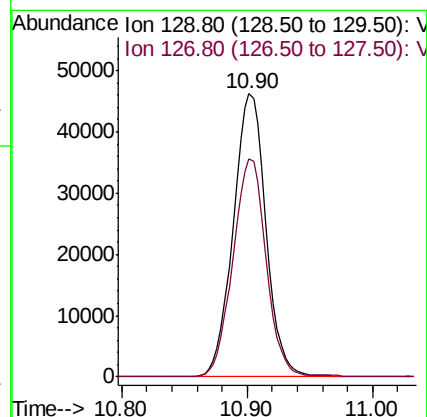
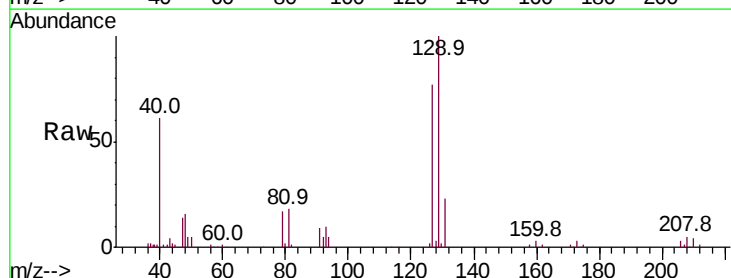
Acq: 26 Mar 2019 12:20

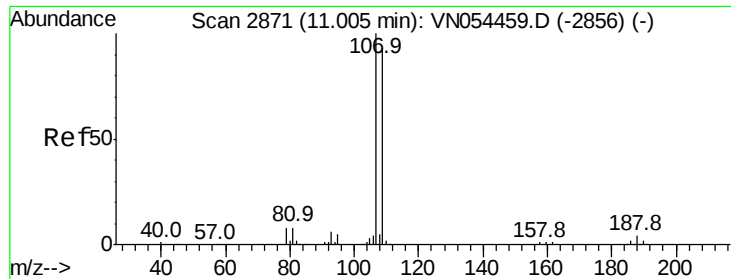
Tgt Ion: 129 Resp: 83638

Ion Ratio Lower Upper

129 100

127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.584 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion:107 Resp: 79641

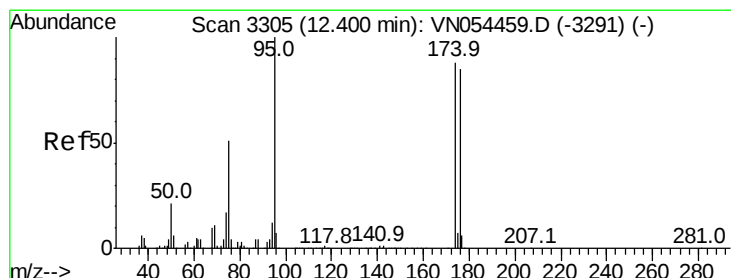
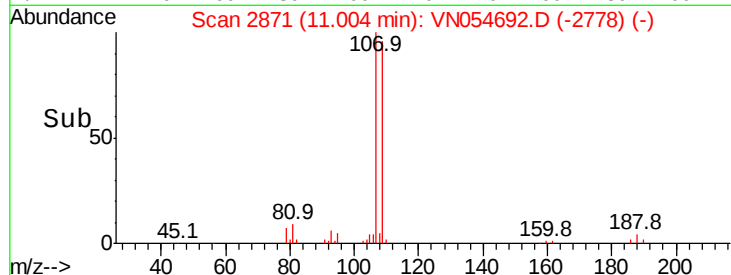
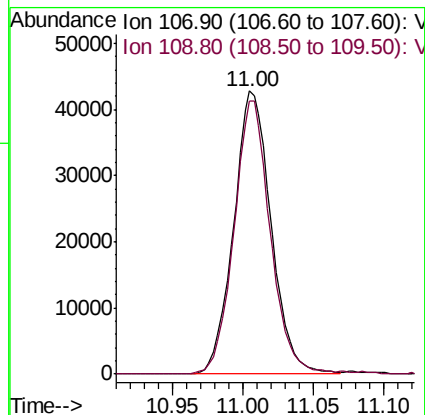
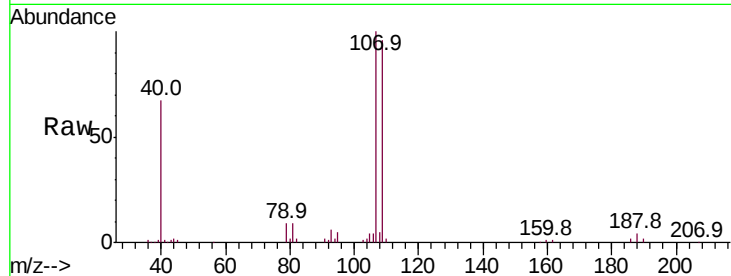
Ion Ratio Lower Upper

107 100

109 93.8 75.9 113.9

Manual Integrations
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3/27/2019 9:10:19 AM



#62

4-Bromofluorobenzene

Concen: 49.477 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

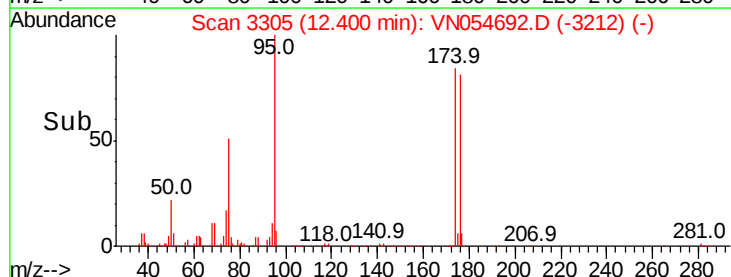
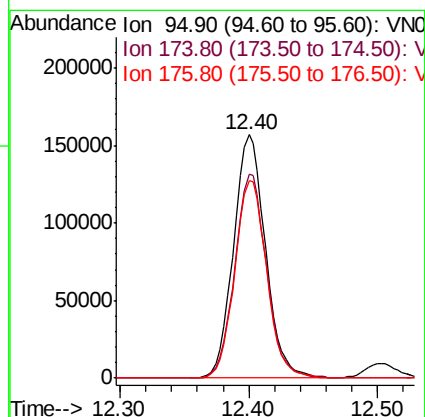
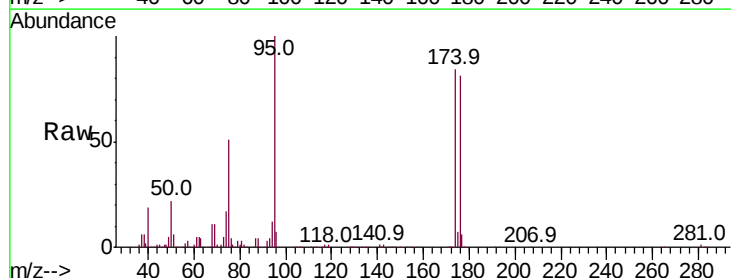
Tgt Ion: 95 Resp: 269967

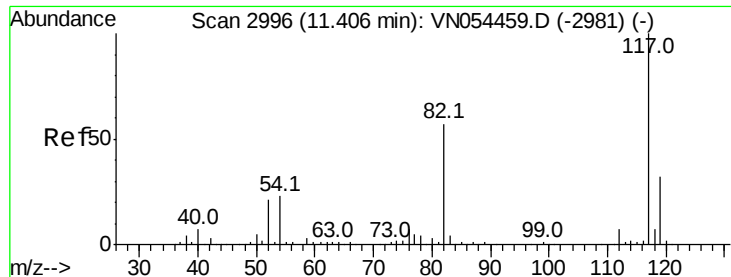
Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

176 81.2 0.0 187.4





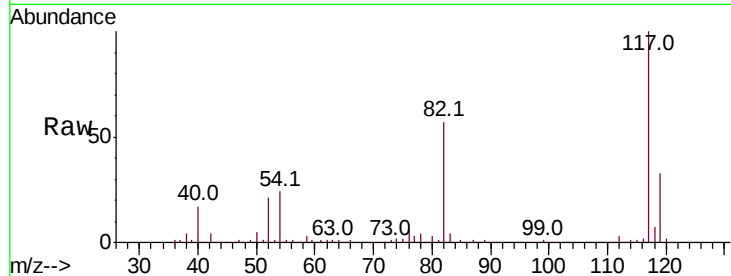
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	40.0	60.0
119	32.5	25.8	38.6

Manual Integrations
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3/27/2019 9:10:19 AM

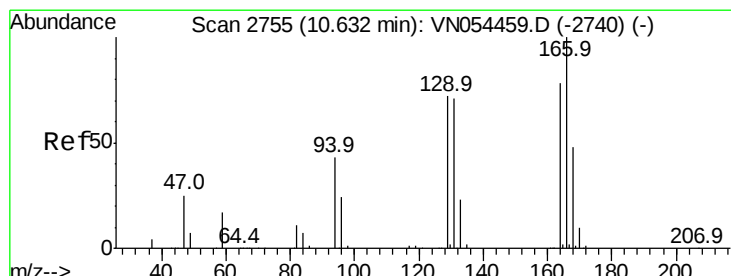
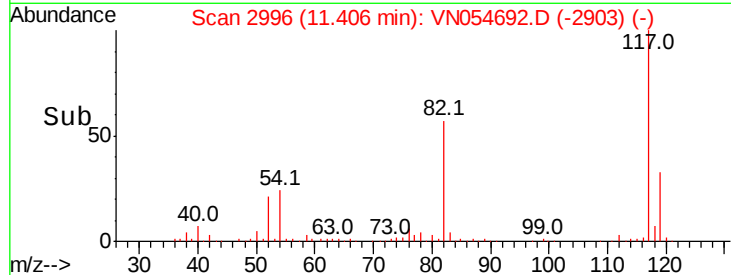
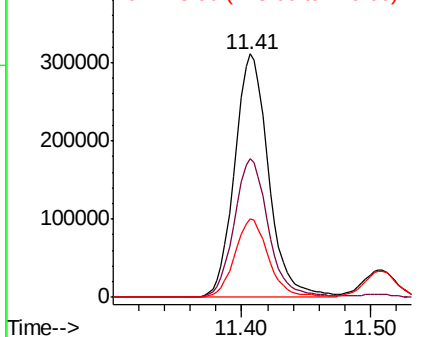


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.385 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.9	155.9
129	103.2	71.1	106.7
131	93.7	68.2	102.4

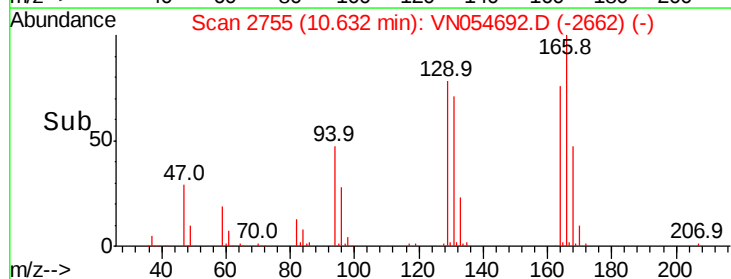
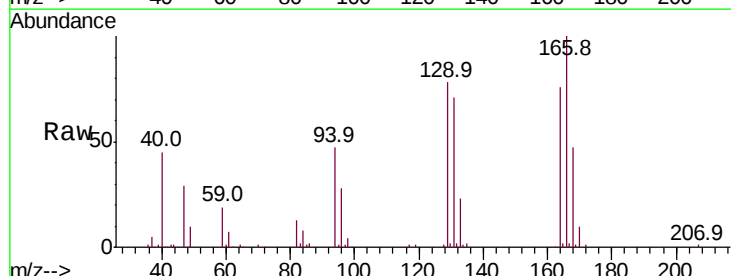
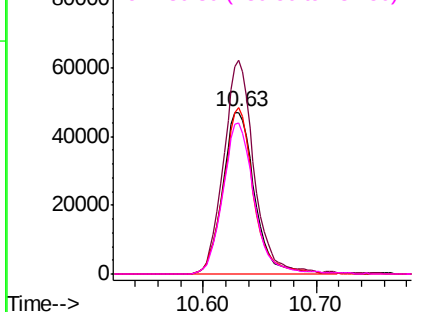
Abundance

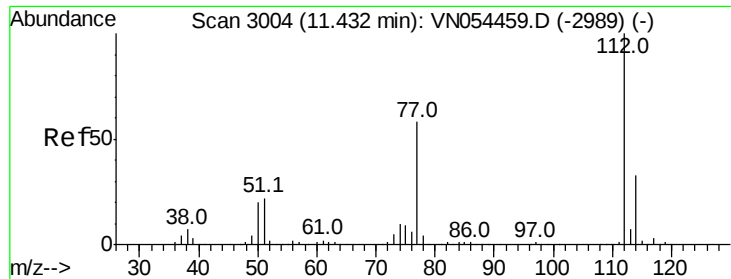
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





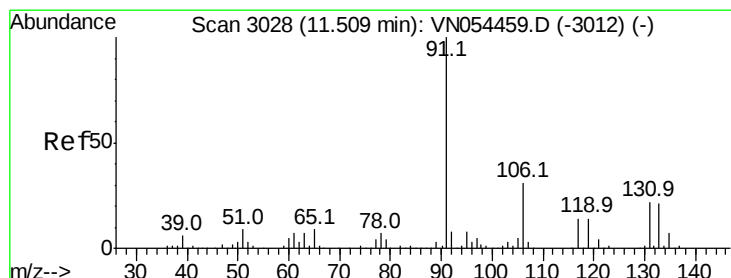
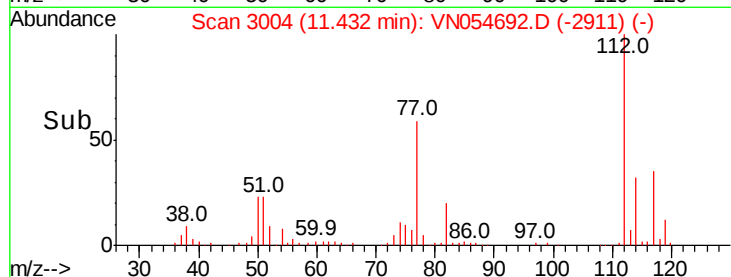
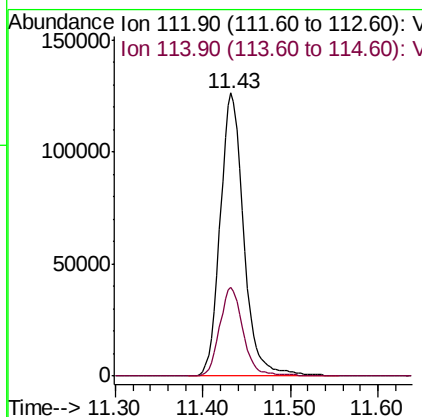
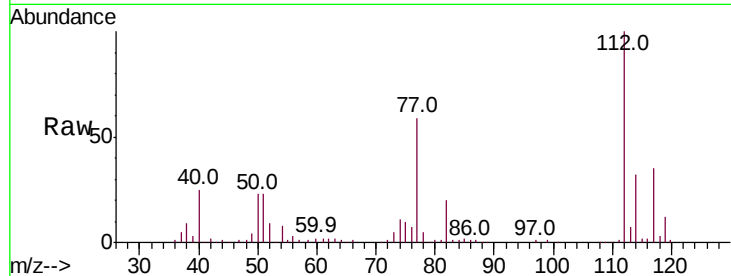
#65
Chlorobenzene
Concen: 20.381 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion:112 Resp: 236508
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

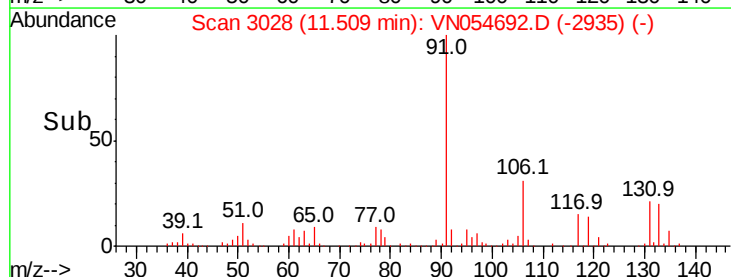
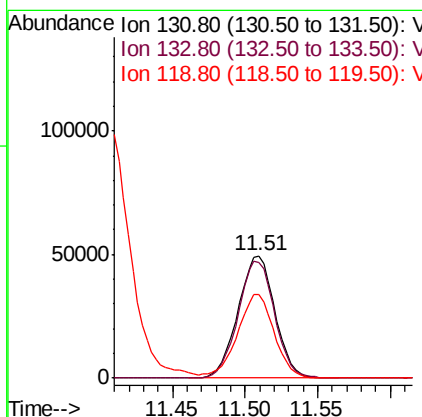
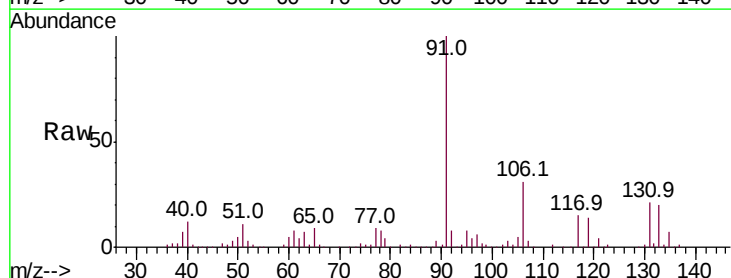
Manual Integrations
APPROVED

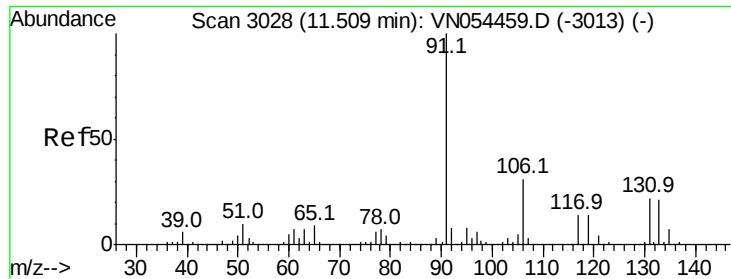
MMDadoda
3/27/2019 9:10:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.992 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion:131 Resp: 87435
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 68.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.476 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion: 91 Resp: 419721

Ion Ratio Lower Upper

91 100

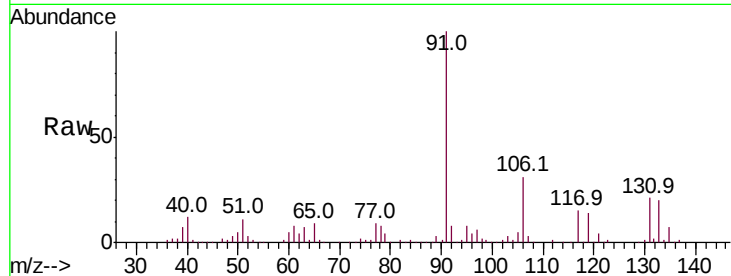
106 30.6 25.5 38.3

Manual Integrations

APPROVED

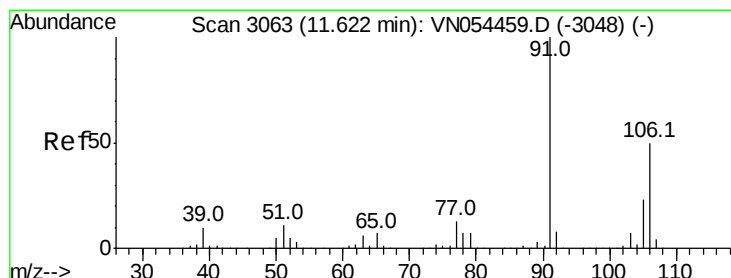
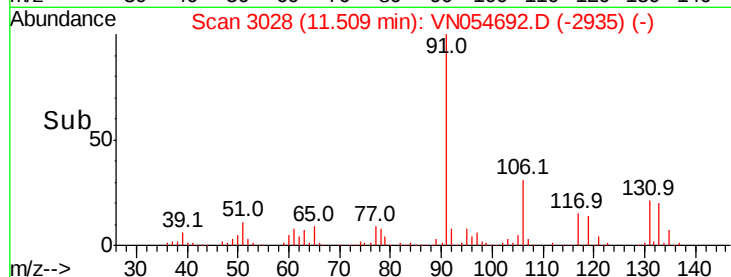
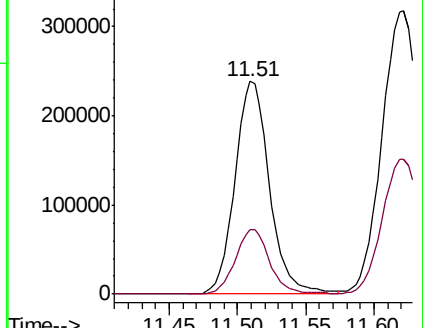
MMDadoda

3/27/2019 9:10:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN054459.D (-3013) (-)



#68

m/p-Xylenes

Concen: 39.684 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054692.D

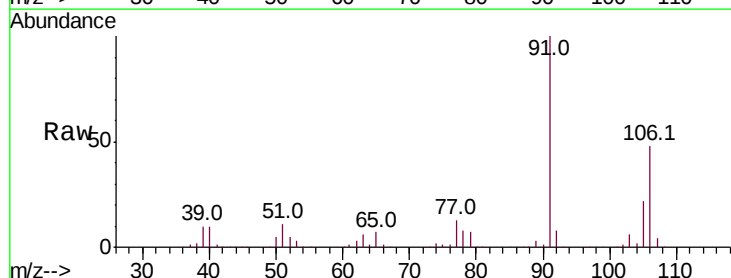
Acq: 26 Mar 2019 12:20

Tgt Ion: 106 Resp: 308117

Ion Ratio Lower Upper

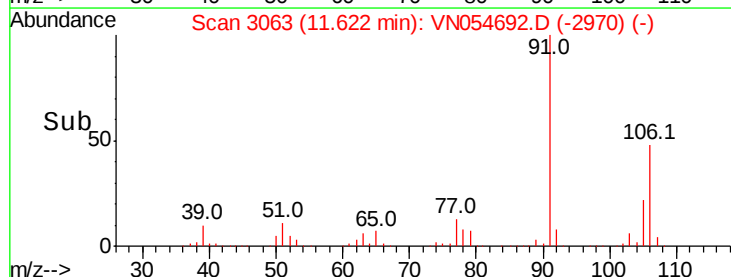
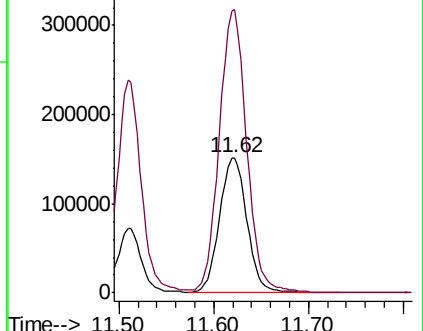
106 100

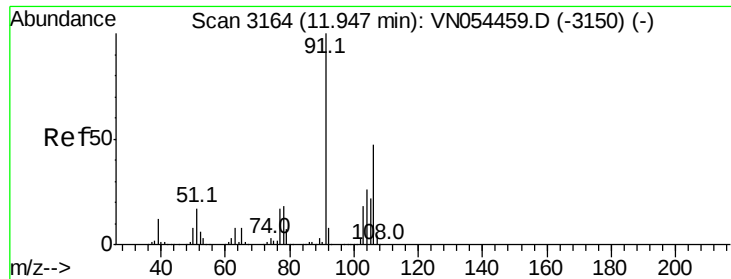
91 208.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054459.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-3048) (-)





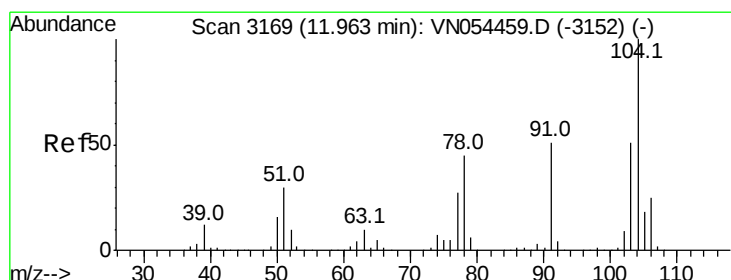
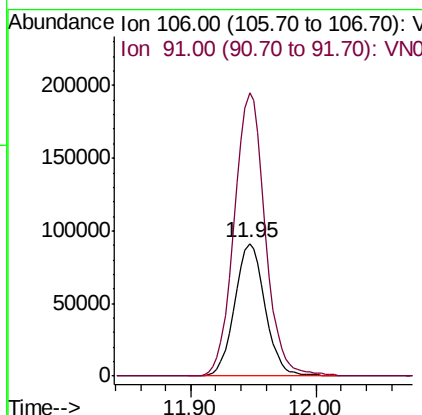
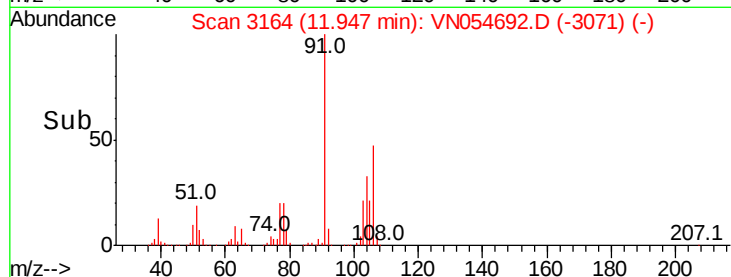
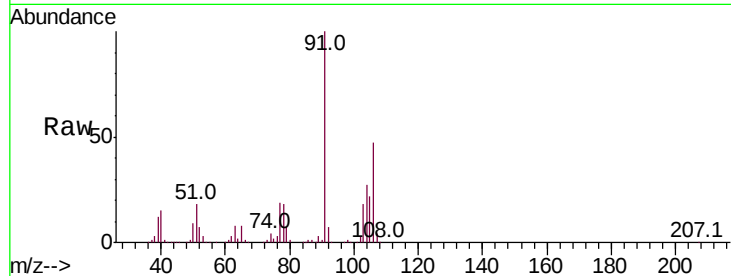
#69
o-Xylene
Concen: 20.275 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion:106 Resp: 153734
Ion Ratio Lower Upper
106 100
91 218.1 105.7 317.1

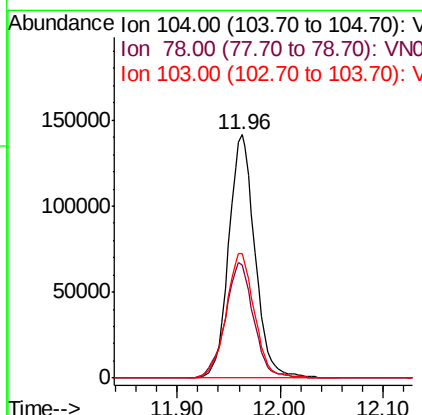
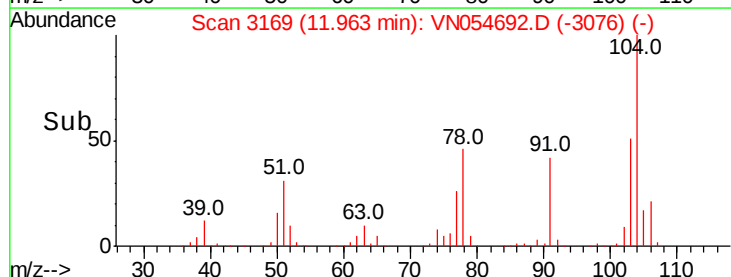
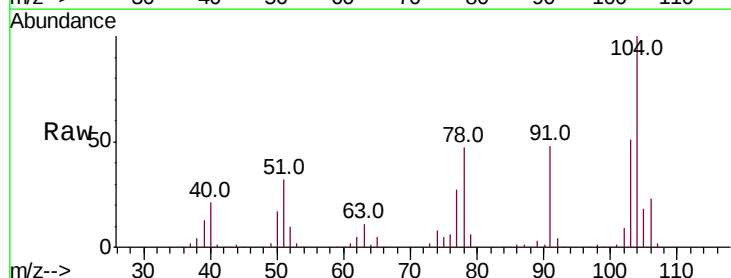
Manual Integrations
APPROVED

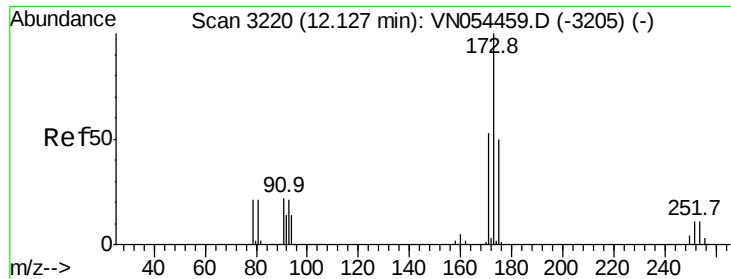
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3/27/2019 9:10:19 AM



#70
Styrene
Concen: 20.396 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion:104 Resp: 251152
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.6 44.4 66.6





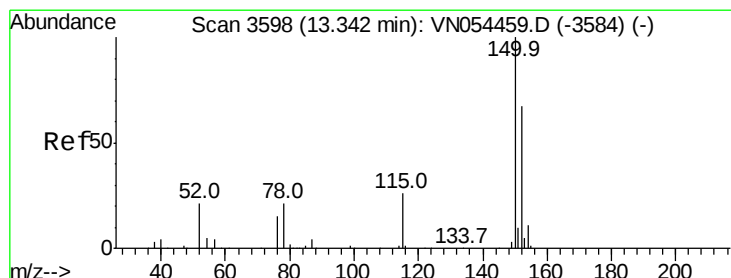
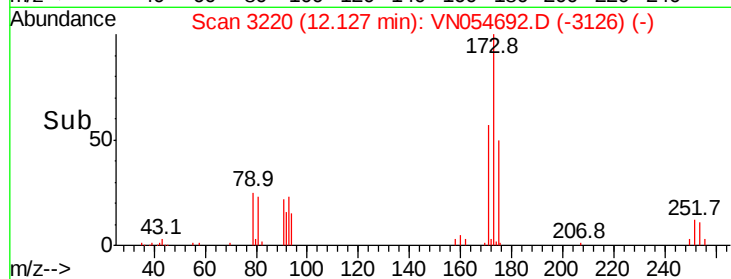
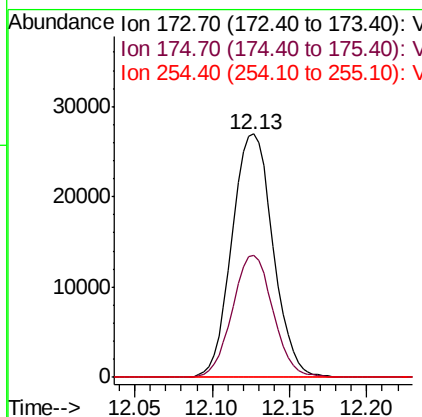
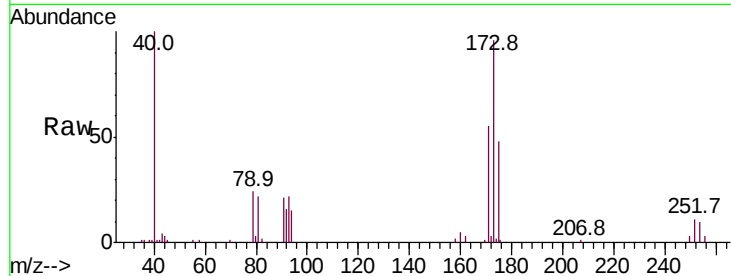
#71
Bromoform
Concen: 18.771 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

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

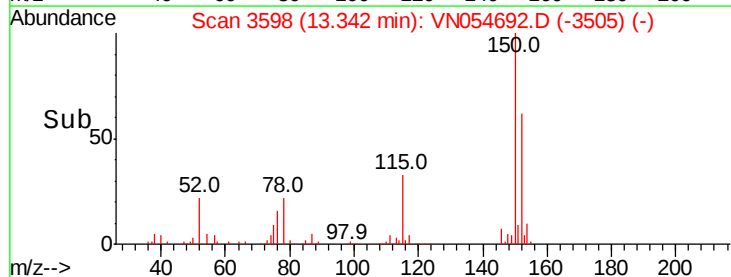
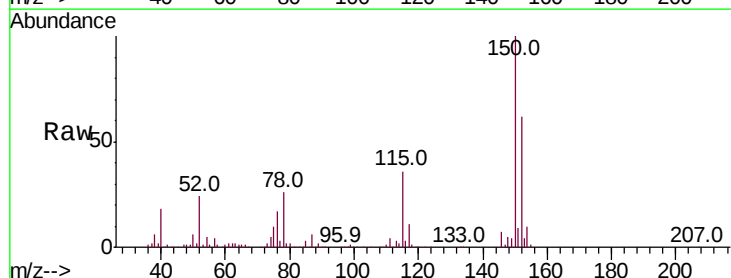
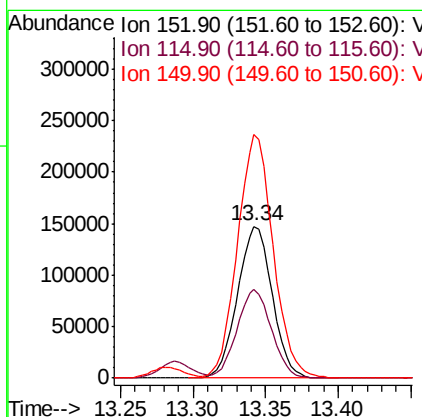
Manual Integrations
APPROVED

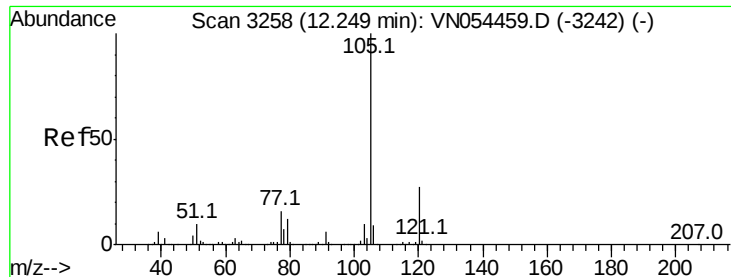
MMDadoda
3/27/2019 9:10:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	165.2	0.0	349.2





#73

Isopropylbenzene

Concen: 20.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion:105 Resp: 403365

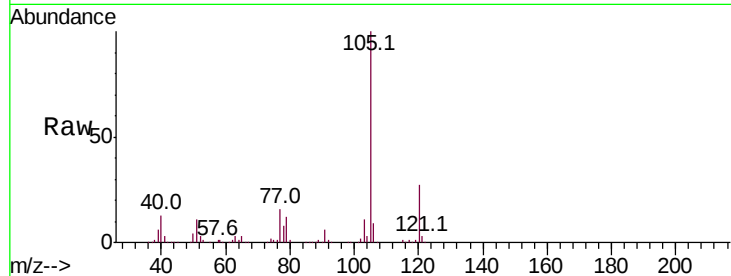
Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3

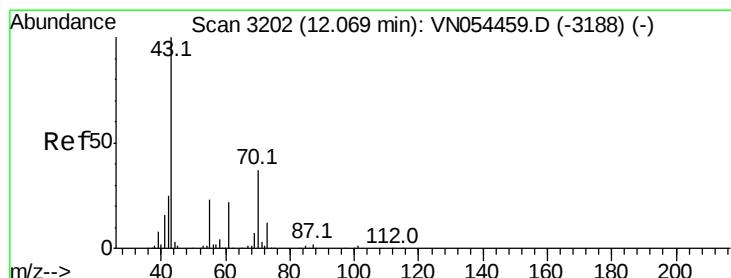
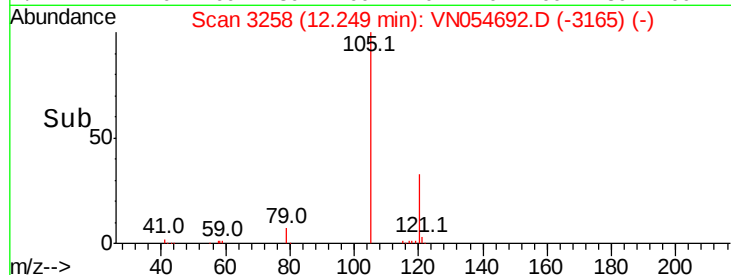
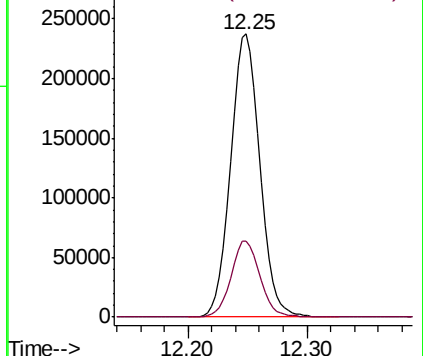
Manual Integrations
APPROVED

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3/27/2019 9:10:19 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.958 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion: 43 Resp: 124610

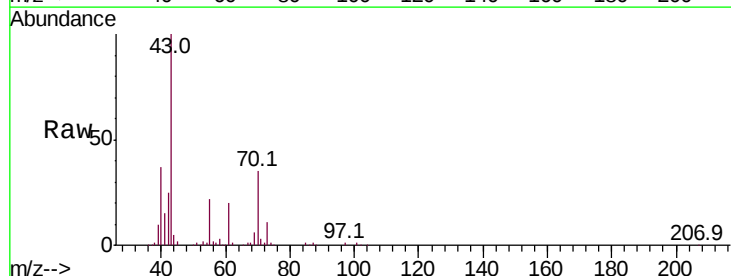
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 23.4 19.8 29.6

61 21.3 19.8 29.6

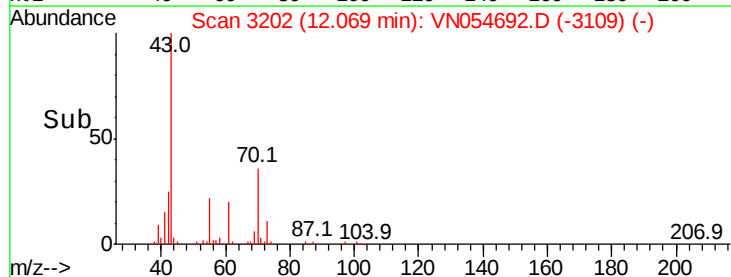
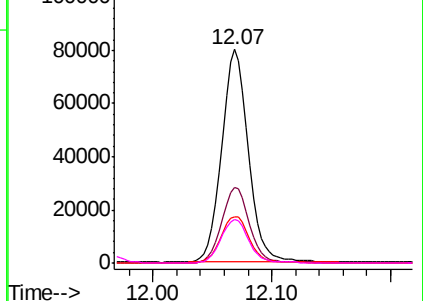


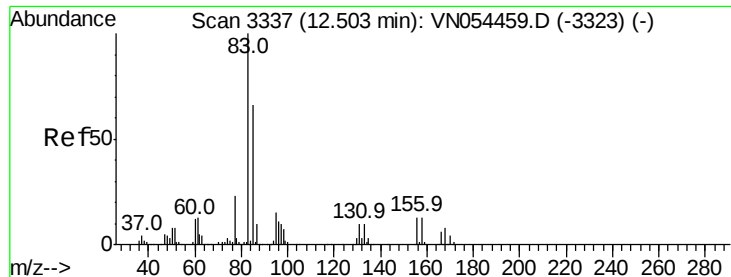
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.739 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

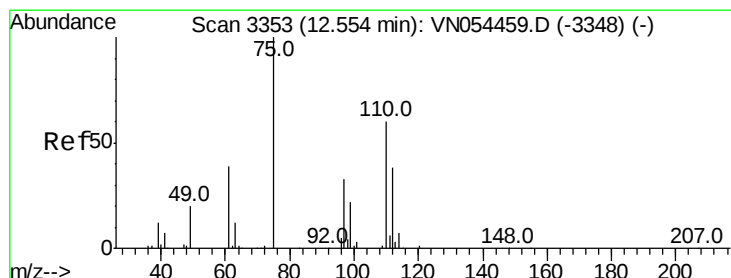
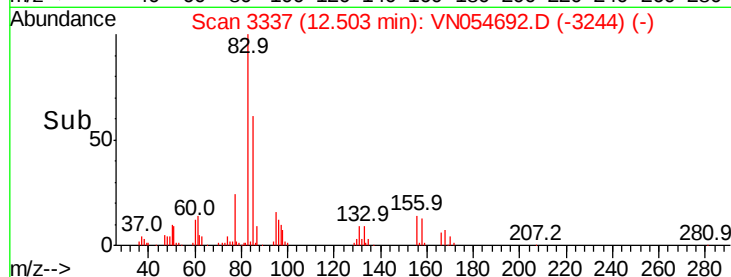
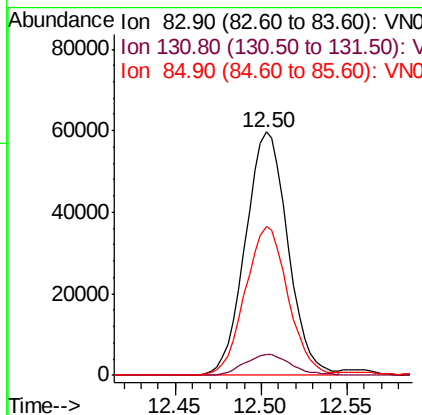
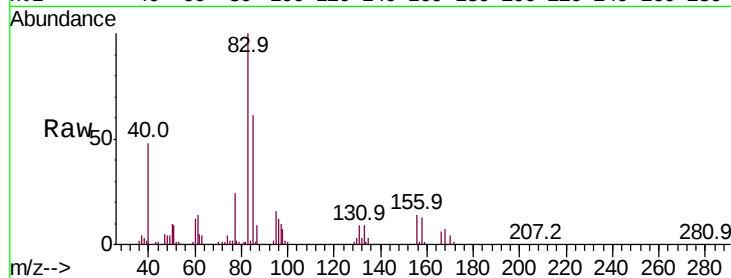
ClientSampleId :

VN0326WBSD01

Tot Ion:	83	Resp:	102448
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.8	17.4
85	62.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.461 ug/l m

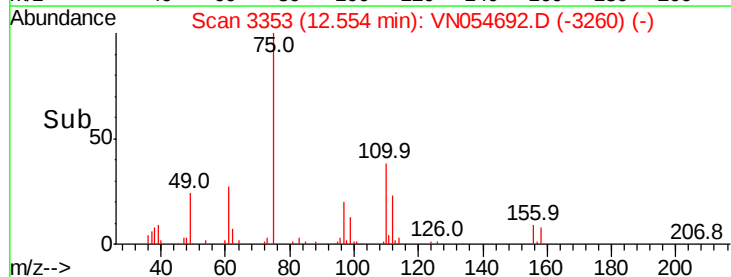
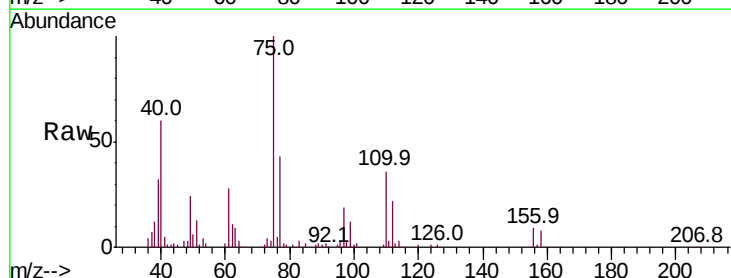
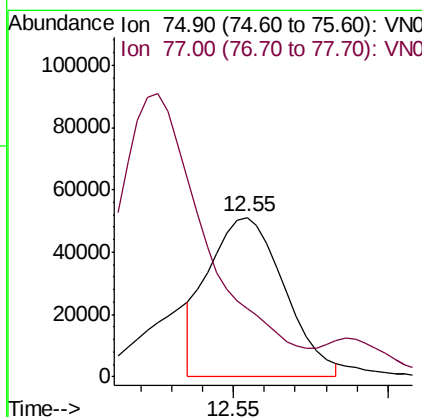
RT: 12.55 min Scan# 3353

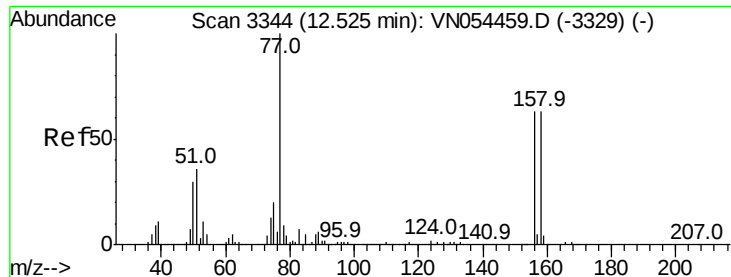
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	75	Resp:	87297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.132 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

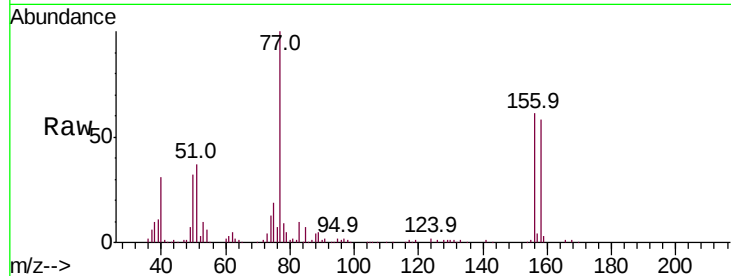
ClientSampleId :

VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.3	81.5	244.4
158	97.0	49.0	147.2

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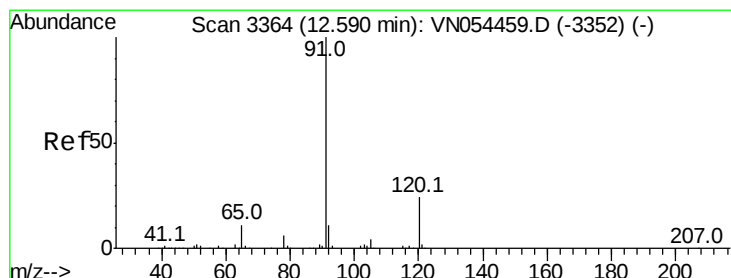
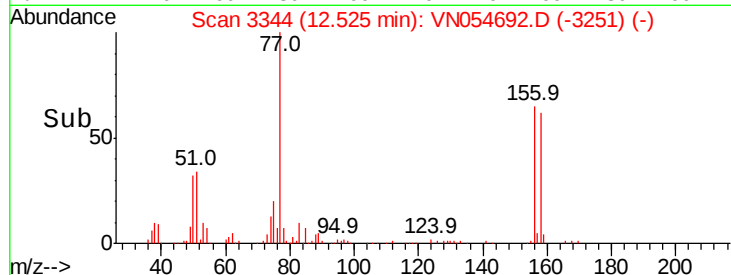
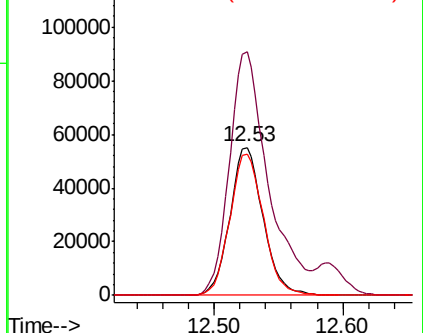


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.982 ug/l

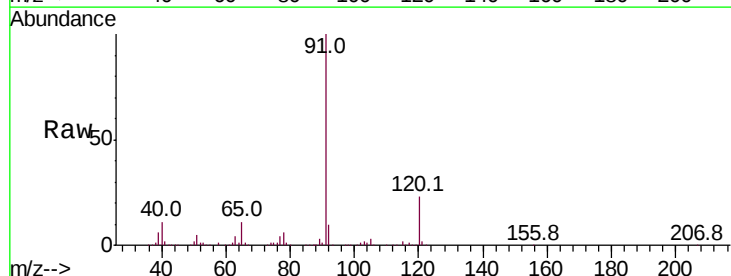
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

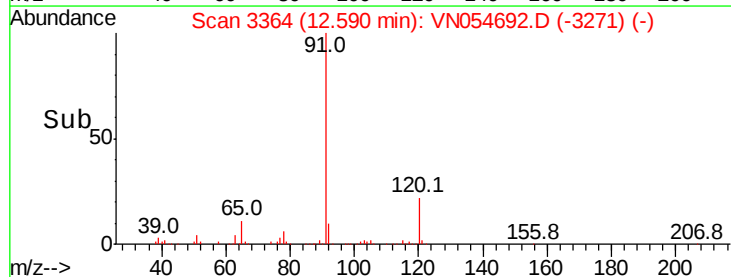
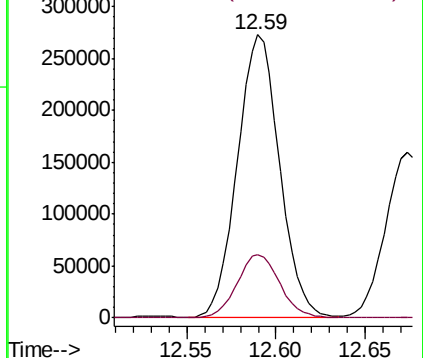
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.3	36.9

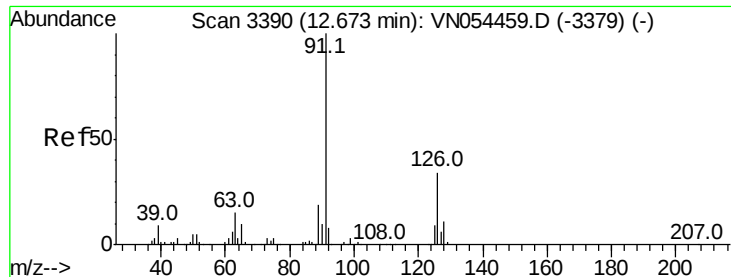


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.860 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBSD01

Tot Ion: 91 Resp: 278392

Ion Ratio Lower Upper

91 100

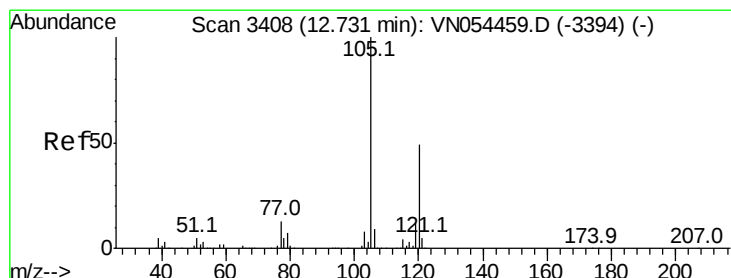
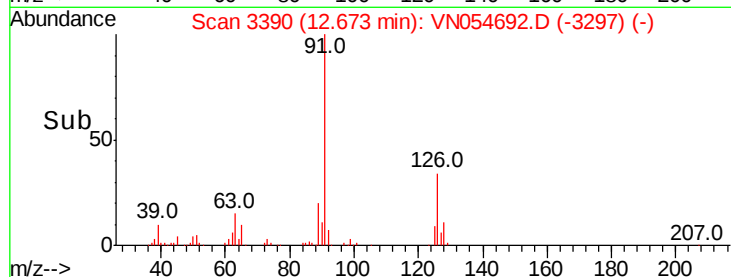
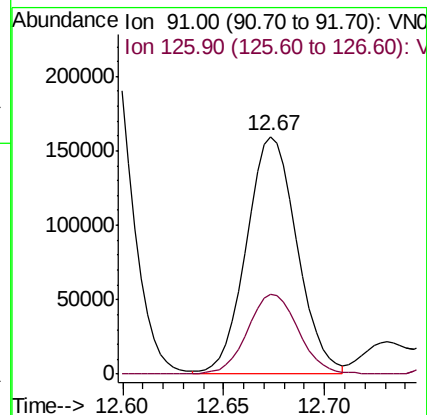
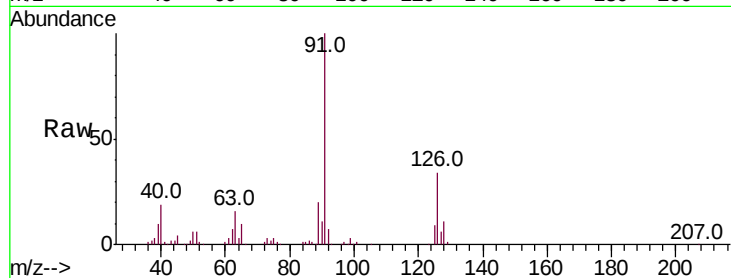
126 34.1 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.691 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054692.D

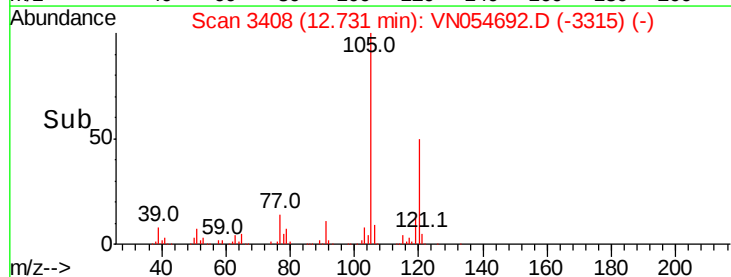
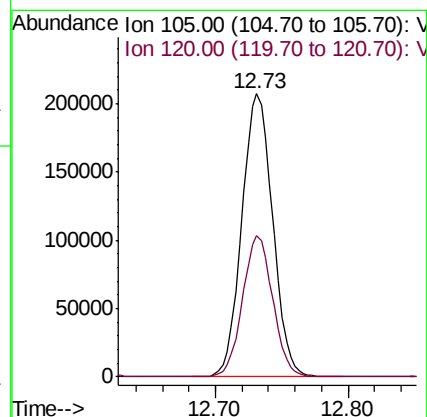
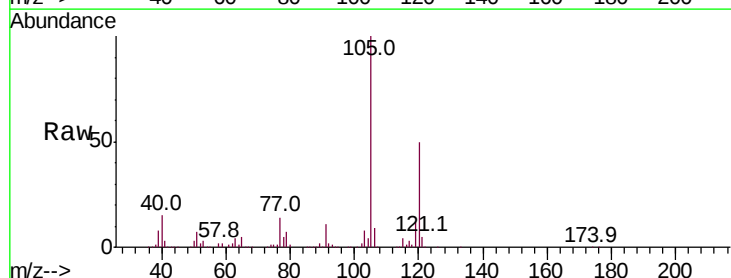
Acq: 26 Mar 2019 12:20

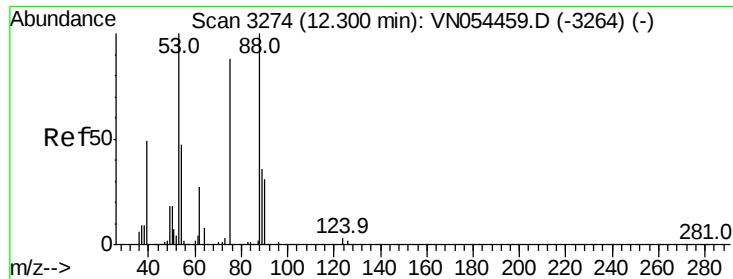
Tgt Ion: 105 Resp: 334699

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0





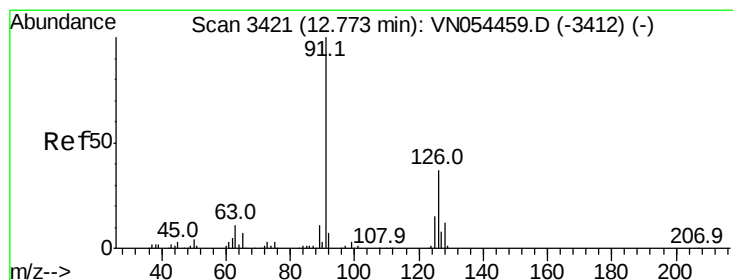
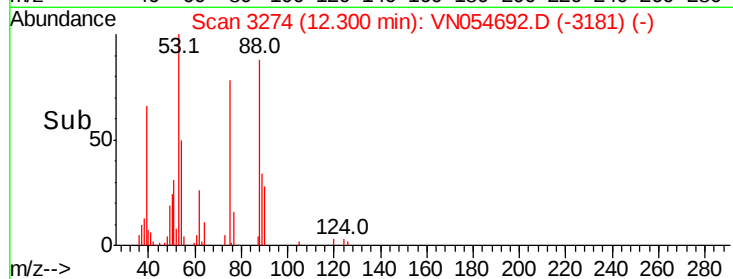
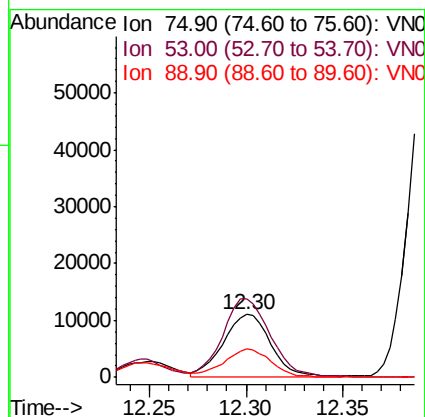
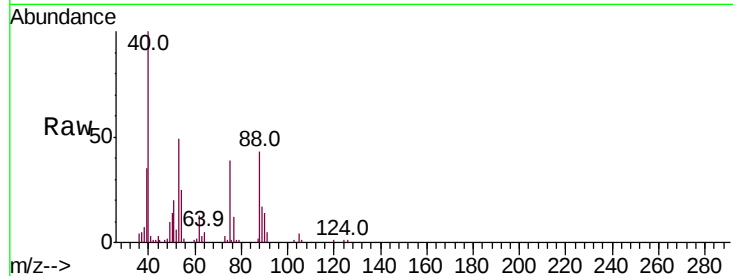
#81
trans-1,4-Dichloro-2-butene
Concen: 19.098 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion: 75 Resp: 19172
Ion Ratio Lower Upper
75 100
53 126.4 76.2 114.2#
89 44.5 39.2 58.8

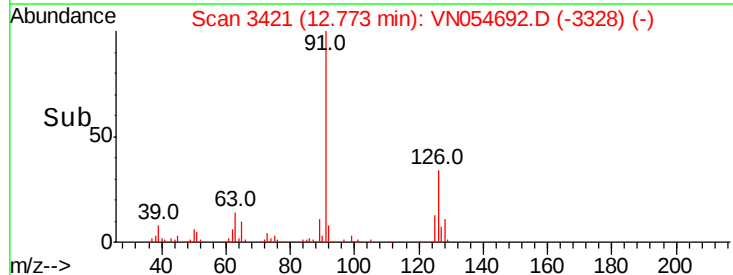
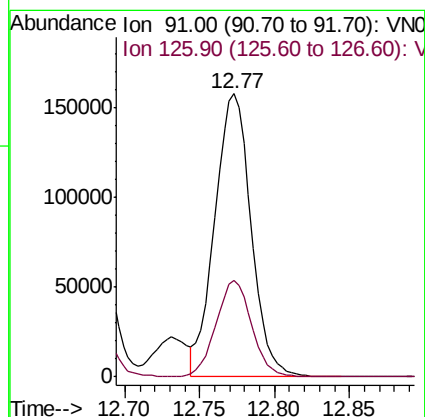
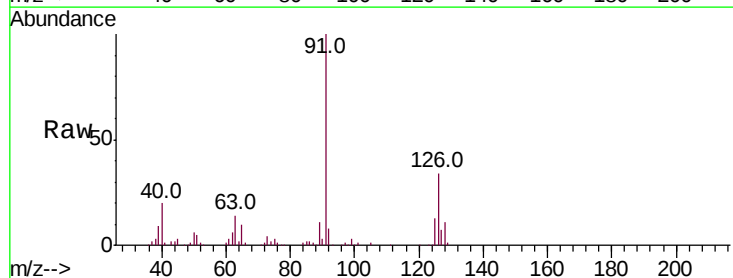
Manual Integrations
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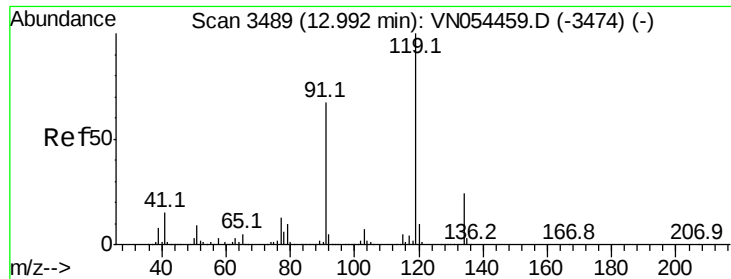
MMDadoda
3/27/2019 9:10:19 AM



#82
4-Chlorotoluene
Concen: 20.585 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 91 Resp: 266297
Ion Ratio Lower Upper
91 100
126 33.7 18.1 54.1





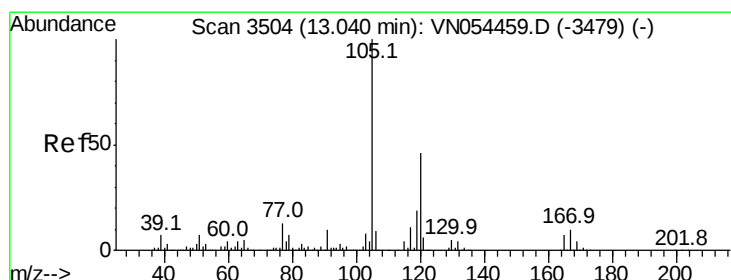
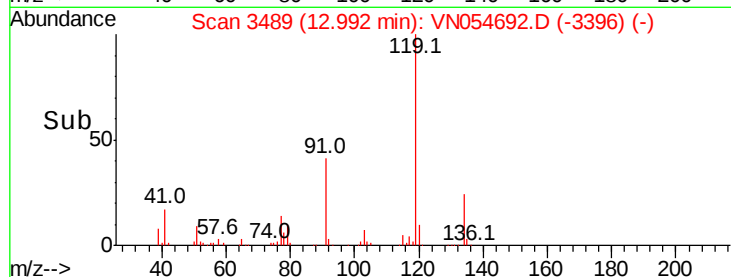
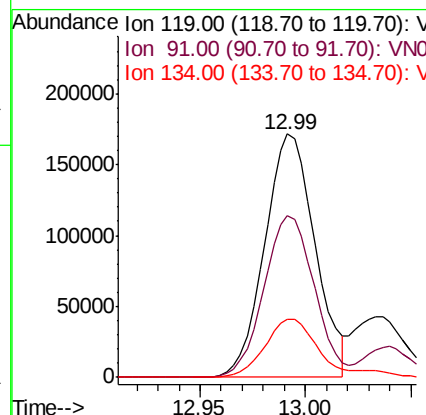
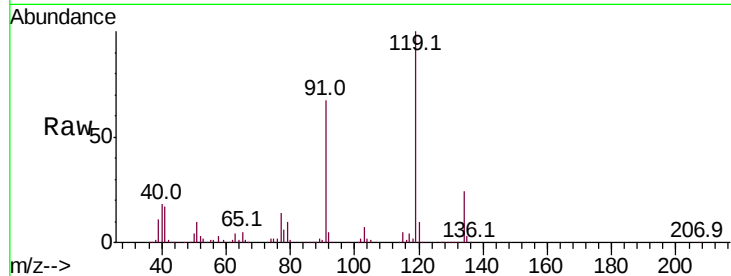
#83
 tert-Butylbenzene
 Concen: 20.215 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	30.9	92.8
134	26.6	13.2	39.6

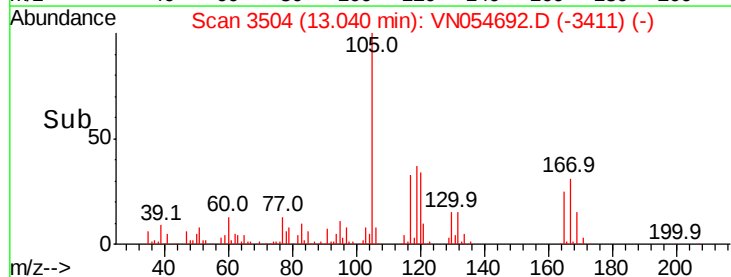
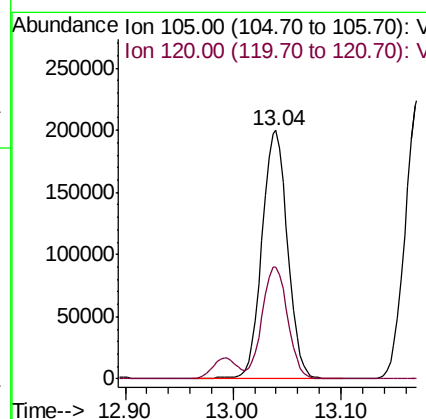
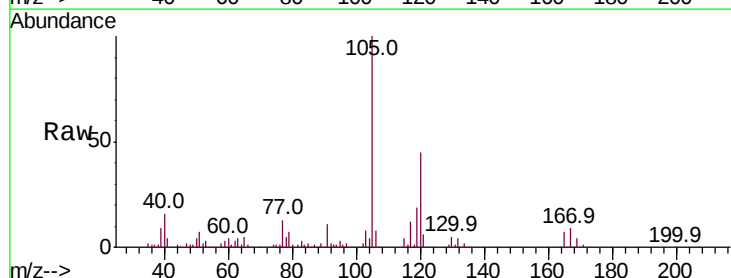
Manual Integrations
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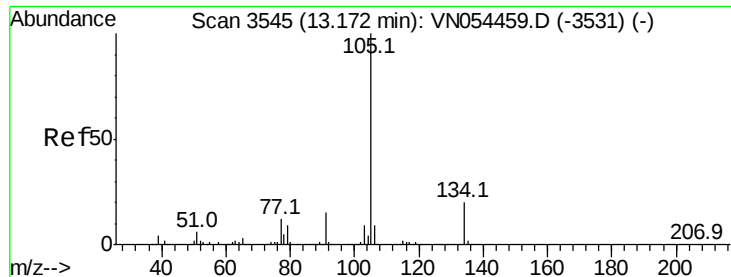
MMDadoda
 3/27/2019 9:10:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.747 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.743 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0326WBSD01

Tot Ion:105 Resp: 364089

Ion Ratio Lower Upper

105 100

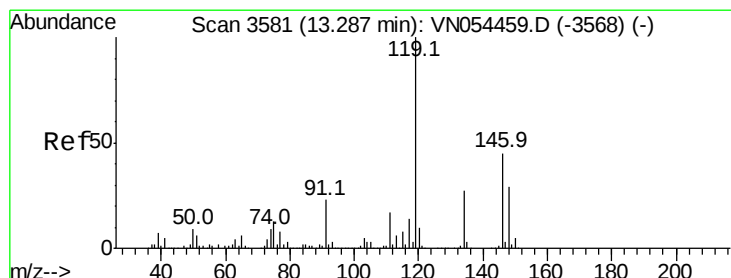
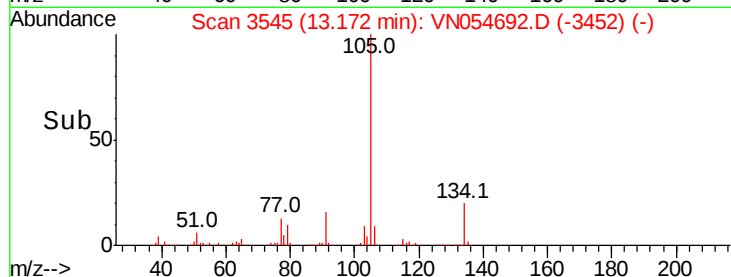
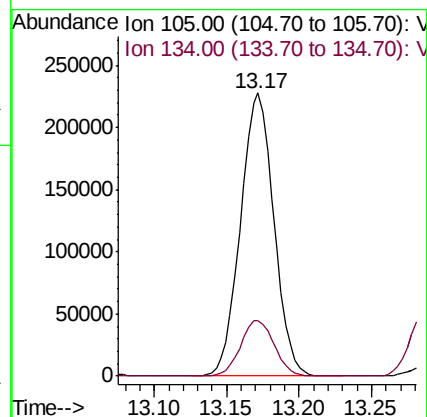
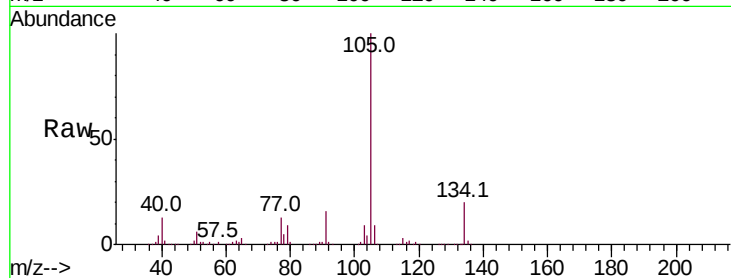
134 19.9 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.486 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

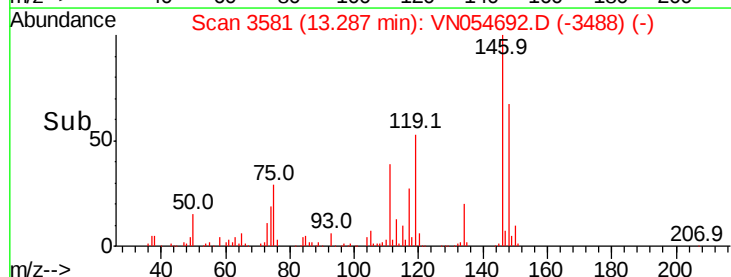
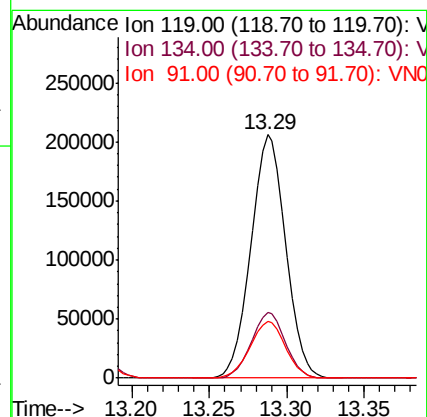
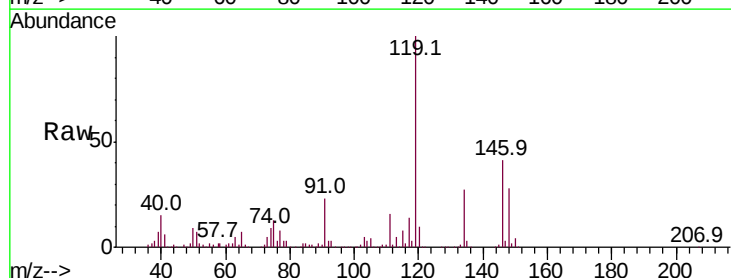
Tgt Ion:119 Resp: 321702

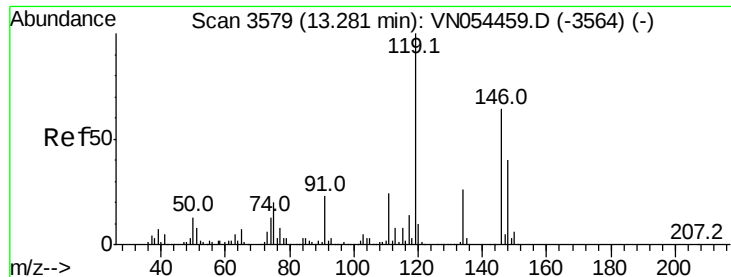
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.9 11.1 33.3





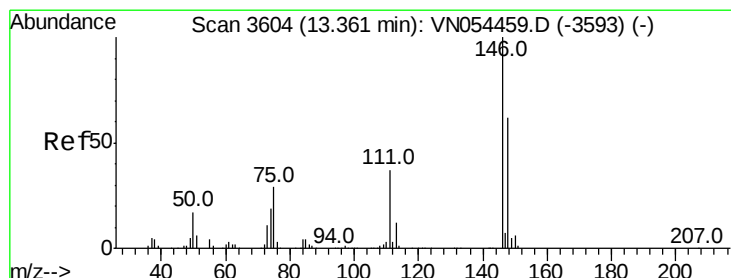
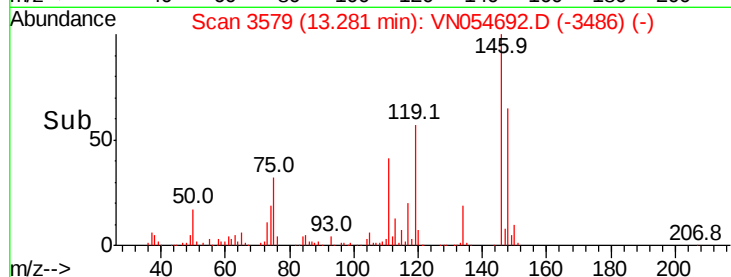
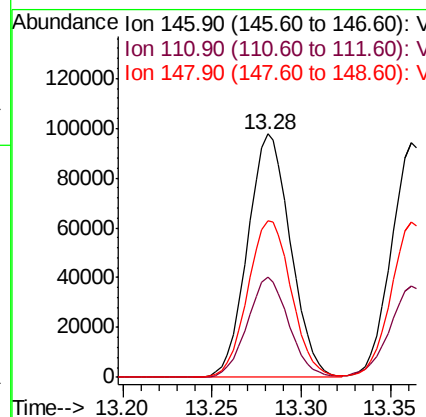
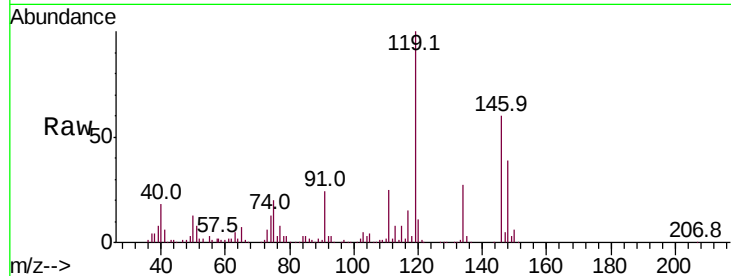
#87
 1,3-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164555		
111	39.7	18.8	56.3	
148	65.4	32.2	96.6	

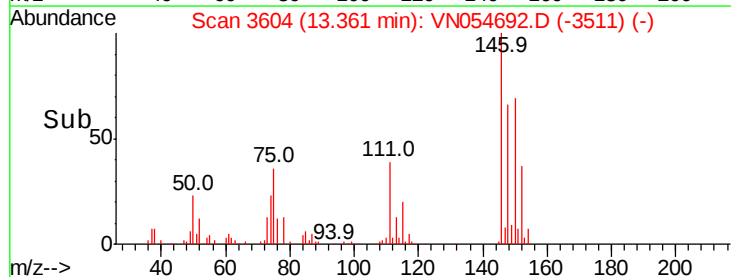
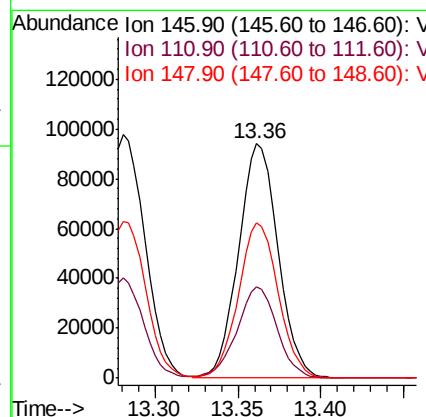
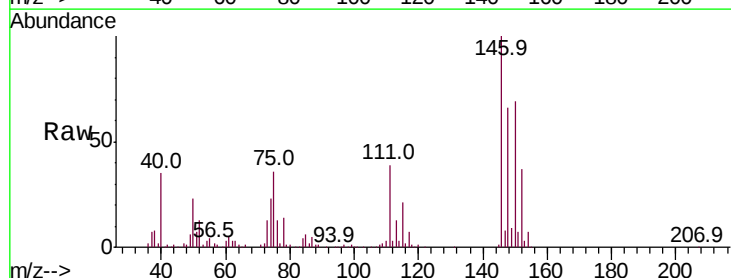
Manual Integrations
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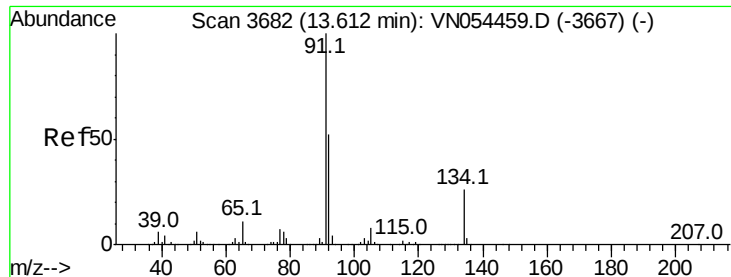
MMDadoda
 3/27/2019 9:10:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156130		
111	39.6	18.1	54.1	
148	66.8	32.0	96.0	





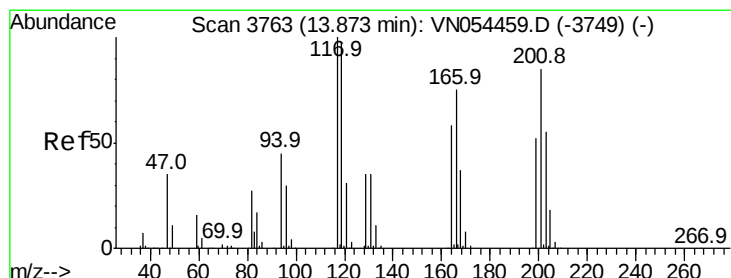
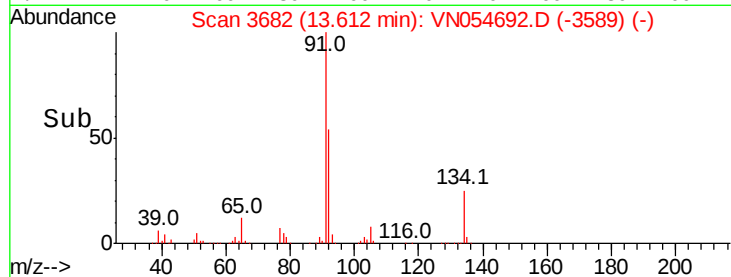
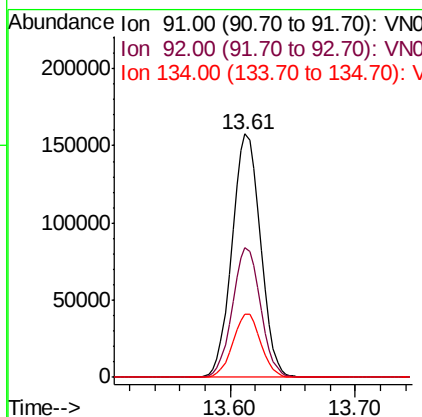
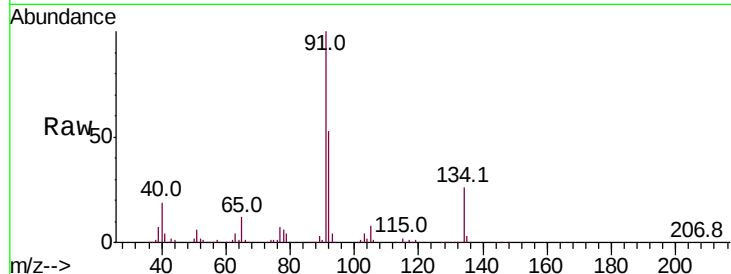
#89
n-Butylbenzene
Concen: 20.251 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.6
134	25.6	14.3	42.9

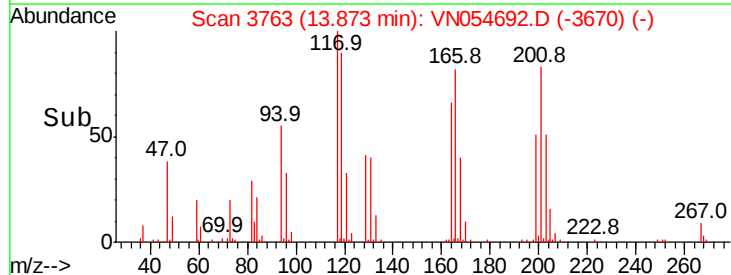
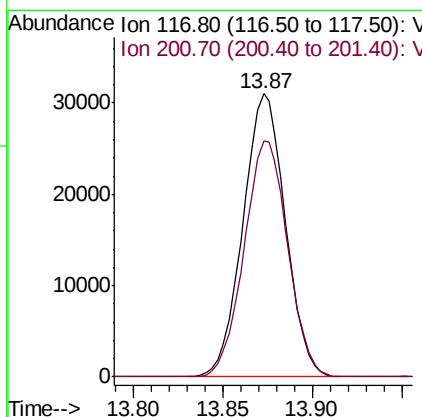
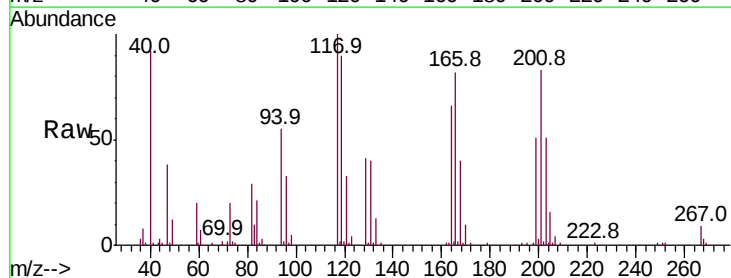
Manual Integrations
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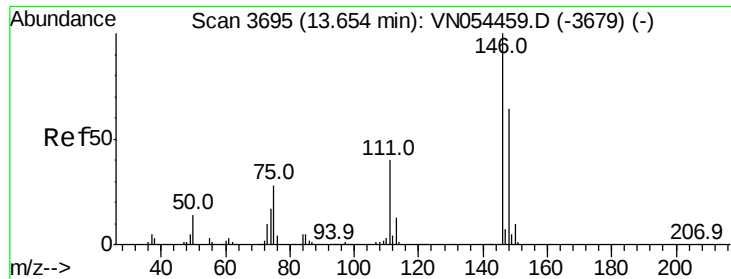
MMDadoda
3/27/2019 9:10:19 AM



#90
Hexachloroethane
Concen: 21.140 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	48.1	144.4





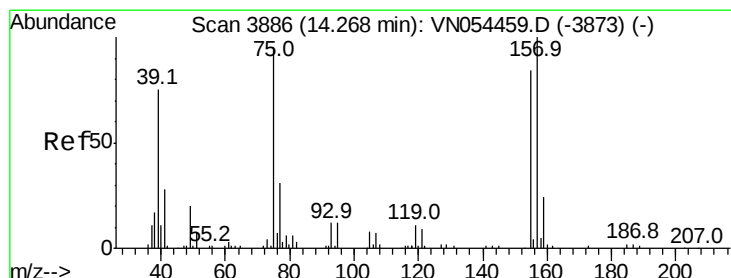
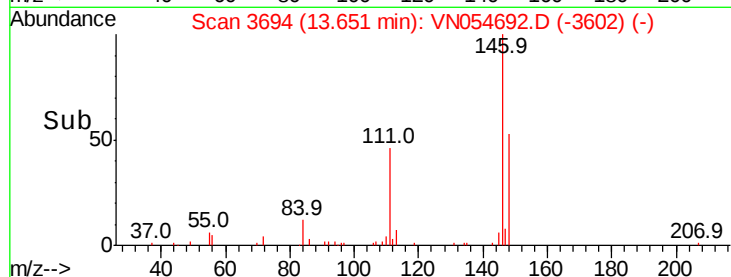
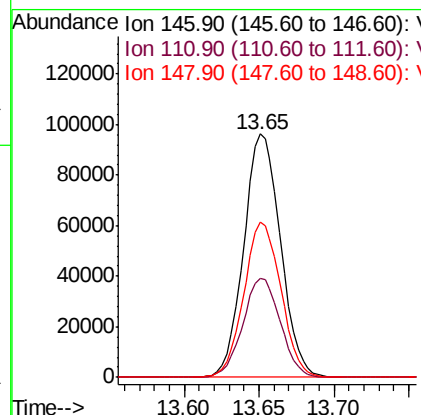
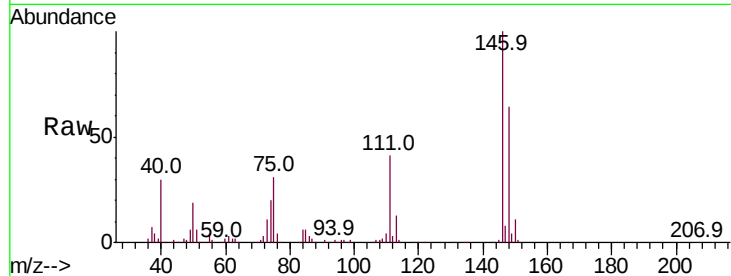
#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.1	57.3
148	64.3	32.4	97.0

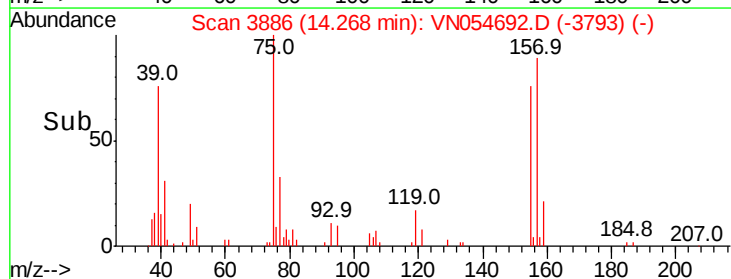
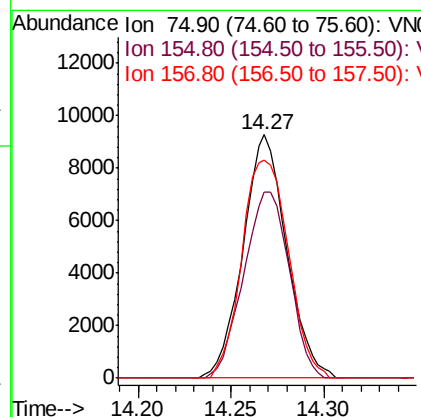
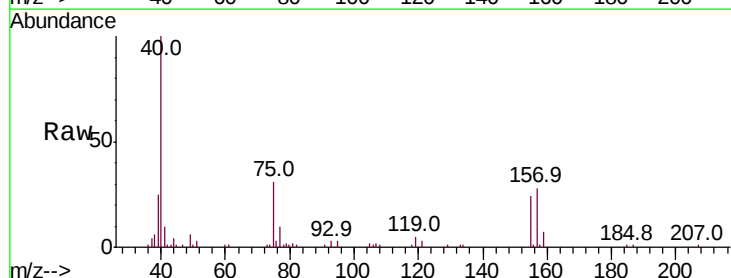
Manual Integrations
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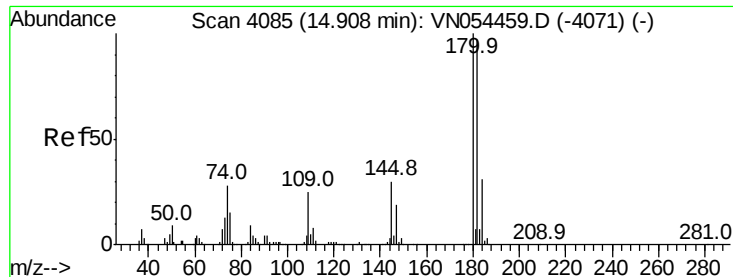
MMDadoda
 3/27/2019 9:10:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.944 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	50.1	150.3
157	95.7	63.1	189.3





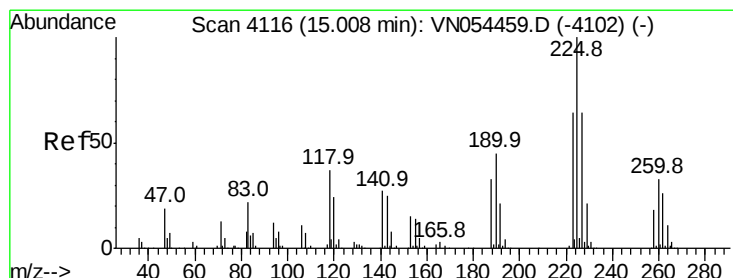
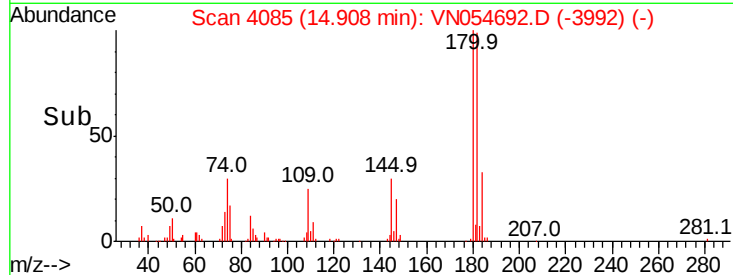
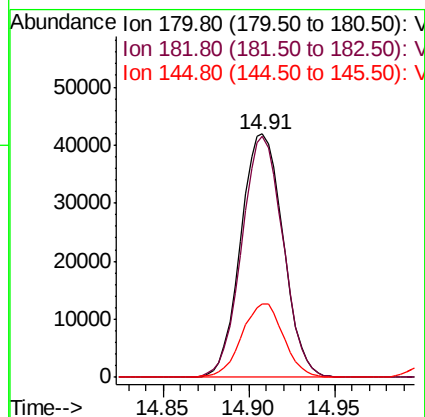
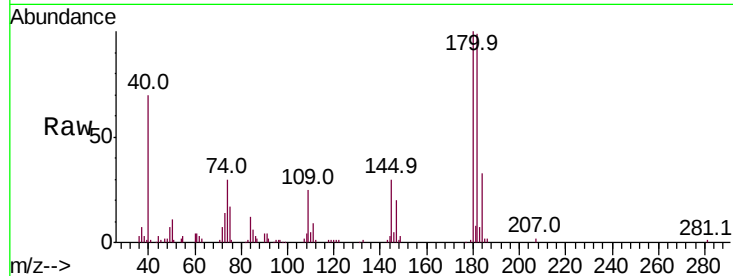
#93
 1,2,4-Trichlorobenzene
 Concen: 18.347 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.0	144.2	
145	29.9	14.2	42.8	

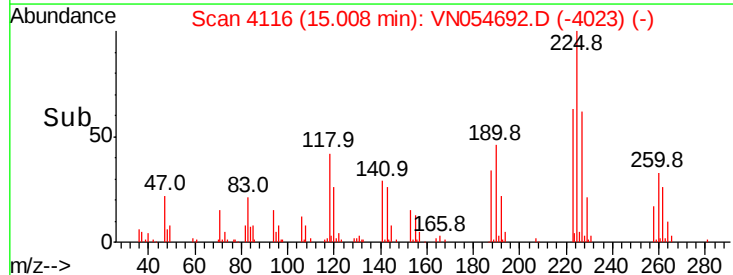
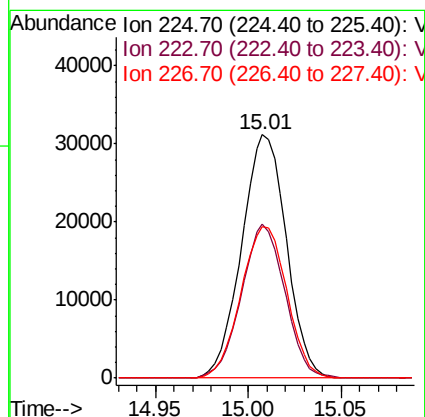
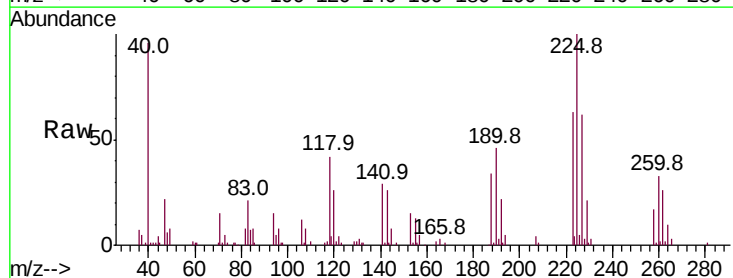
Manual Integrations
 APPROVED

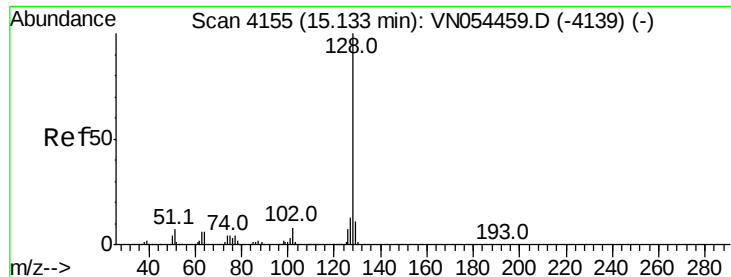
MMDadoda
 3/27/2019 9:10:19 AM



#94
 Hexachlorobutadiene
 Concen: 22.462 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.1	93.5	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 18.366 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

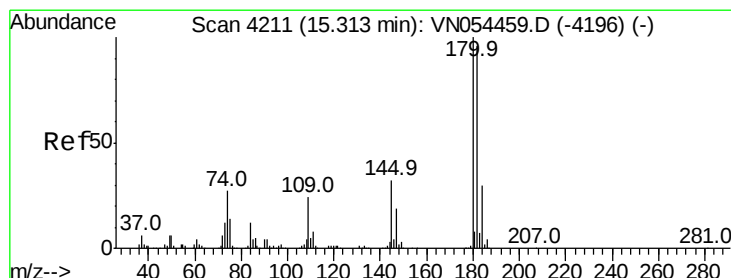
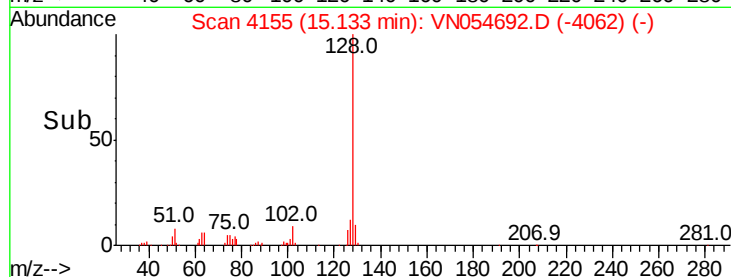
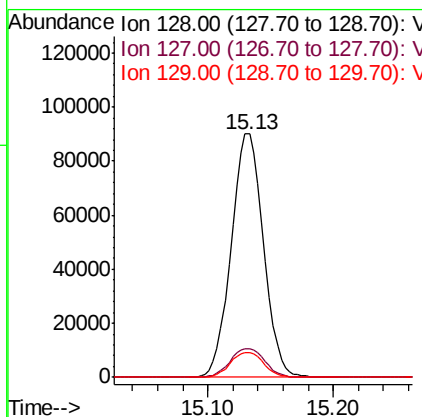
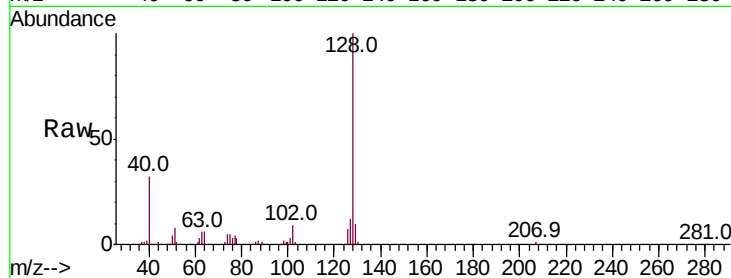
ClientSampleId :

VN0326WBSD01

Tot Ion:	128	Resp:	160454
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 9:10:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.229 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion:	180	Resp:	74958
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.6
145	30.6	14.8	44.3

