

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054841.D
 Acq On : 31 Mar 2019 10:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:49:46 PM

Quant Time: Apr 01 02:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	495812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	792312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	699667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	319346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	338902	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.59	113	266263	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1009070	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	348210	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	248408	49.532	ug/l	99
3) Chloromethane	2.06	50	328887	47.428	ug/l	99
4) Vinyl Chloride	2.19	62	309684	49.731	ug/l	97
5) Bromomethane	2.57	94	152707	46.621	ug/l	95
6) Chloroethane	2.71	64	172844	49.707	ug/l	97
7) Trichlorofluoromethane	3.02	101	397633	51.938	ug/l	100
8) Diethyl Ether	3.41	74	127034	51.531	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	212756	52.790	ug/l	92
10) Methyl Iodide	3.94	142	235304	42.648	ug/l #	87
11) Tert butyl alcohol	4.82	59	105329	302.468	ug/l	99
12) 1,1-Dichloroethene	3.73	96	203907	52.319	ug/l #	76
13) Acrolein	3.61	56	69387	222.885	ug/l	99
14) Allyl chloride	4.31	41	493309	51.388	ug/l #	91
15) Acrylonitrile	4.99	53	529532	273.578	ug/l	100
16) Acetone	3.82	43	649842	407.725	ug/l #	82
17) Carbon Disulfide	4.04	76	639515	50.591	ug/l	100
18) Methyl Acetate	4.33	43	237412	57.324	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	720026	52.815	ug/l	93
20) Methylene Chloride	4.55	84	281149	50.008	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	263682	51.509	ug/l #	82
22) Diisopropyl ether	5.96	45	1018324	53.634	ug/l #	93
23) Vinyl Acetate	5.90	43	3744314	283.383	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	520520	51.393	ug/l	98
25) 2-Butanone	6.85	43	841152	357.029	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	387797	54.629	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	304150	52.594	ug/l	87
28) Bromochloromethane	7.19	49	272520	53.810	ug/l #	71
29) Tetrahydrofuran	7.22	42	445498	272.253	ug/l #	84
30) Chloroform	7.37	83	513083	53.127	ug/l	100
31) Cyclohexane	7.65	56	495796	53.884	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	427471	53.411	ug/l	96
36) 1,1-Dichloropropene	7.79	75	393462	53.294	ug/l	96
37) Ethyl Acetate	6.94	43	296295	54.728	ug/l #	94
38) Carbon Tetrachloride	7.77	117	371784	51.848	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	444482	54.762	ug/l	89
40) Benzene	8.04	78	1137432	53.843	ug/l	99
41) Methacrylonitrile	7.17	41	172493	56.716	ug/l	88
42) 1,2-Dichloroethane	8.12	62	404101	53.574	ug/l	97
43) Isopropyl Acetate	8.17	43	511664	58.164	ug/l #	93
44) Trichloroethene	8.83	130	296903	54.142	ug/l	92
45) 1,2-Dichloropropane	9.12	63	320670	53.236	ug/l	98
46) Dibromomethane	9.21	93	185153	54.641	ug/l	88
47) Bromodichloromethane	9.40	83	395917	56.220	ug/l	98
48) Methyl methacrylate	9.20	41	260604	54.650	ug/l	88
49) 1,4-Dioxane	9.20	88	58292	1231.986	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1481801	299.603	ug/l	92
52) Toluene	10.16	92	689747	54.871	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	389722	58.830	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	462614	58.460	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	253845	54.309	ug/l	97
56) Ethyl methacrylate	10.43	69	356095	58.077	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	442020	55.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	620369	235.510	ug/l #	89
59) 2-Hexanone	10.75	43	1066236	336.760	ug/l	91
60) Dibromochloromethane	10.90	129	275830	58.257	ug/l	99
61) 1,2-Dibromoethane	11.01	107	248684	55.674	ug/l	99
64) Tetrachloroethene	10.63	164	281108	52.357	ug/l	96
65) Chlorobenzene	11.43	112	728457	53.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279110	54.435	ug/l	99
67) Ethyl Benzene	11.51	91	1333725	53.953	ug/l	98
68) m/p-Xylenes	11.62	106	995195	108.788	ug/l	94
69) o-Xylene	11.95	106	474127	52.854	ug/l	93
70) Styrene	11.96	104	812567	56.652	ug/l	97
71) Bromoform	12.13	173	174720	58.166	ug/l #	98
73) Isopropylbenzene	12.25	105	1281063	49.079	ug/l	97
74) N-amyl acetate	12.07	43	431447	53.056	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	321141	56.017	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	270401m	48.740	ug/l	
77) Bromobenzene	12.53	156	313634	49.786	ug/l	85
78) n-propylbenzene	12.59	91	1457509	50.804	ug/l	96
79) 2-Chlorotoluene	12.68	91	873730	49.227	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1065373	49.743	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	76284	53.485	ug/l #	83
82) 4-Chlorotoluene	12.77	91	884917	51.331	ug/l	95
83) tert-Butylbenzene	12.99	119	889154	53.736	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	1052856	51.599	ug/l	96
85) sec-Butylbenzene	13.17	105	1173967	50.458	ug/l	97
86) p-Isopropyltoluene	13.29	119	1037919	50.579	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	545495	51.720	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	531783	51.407	ug/l	98
89) n-Butylbenzene	13.62	91	891625	53.255	ug/l	97
90) Hexachloroethane	13.88	117	174927	50.208	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	529918	49.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47681	53.435	ug/l	84

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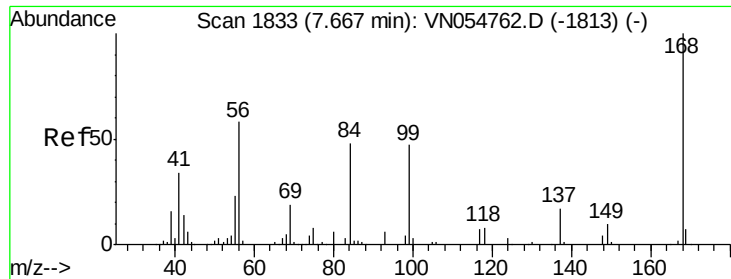
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270110	52.635	ug/l	98
94) Hexachlorobutadiene	15.01	225	160632	52.979	ug/l	99
95) Naphthalene	15.13	128	593877	51.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	265251	51.180	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: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 495812

Ion Ratio Lower Upper

168 100

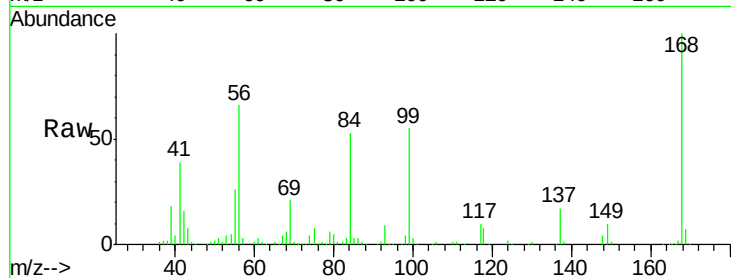
99 54.2 37.1 55.7

Manual Integrations

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4/1/2019 12:49:46 PM



Abundance Ion 167.90 (167.60 to 168.60): VN054841.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054841.D (-1740) (-)

7.66

250000

200000

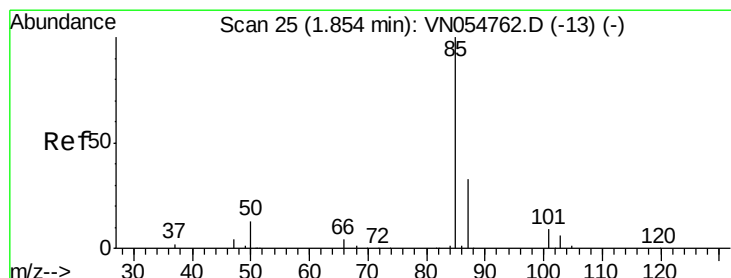
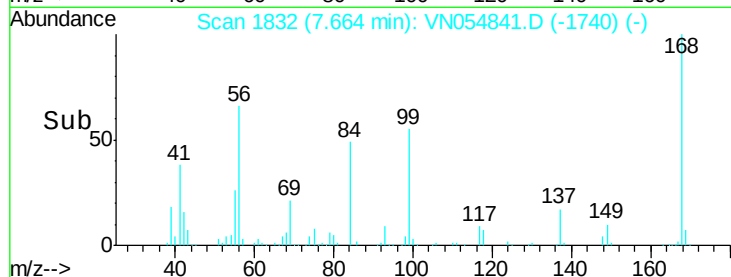
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.532 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054841.D

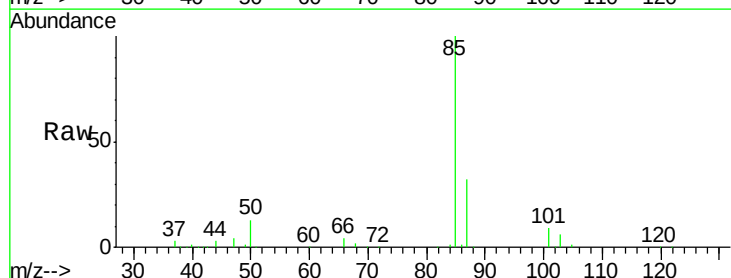
Acq: 31 Mar 2019 10:43

Tgt Ion: 85 Resp: 248408

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054841.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN054841.D (-1) (-)

1.85

200000

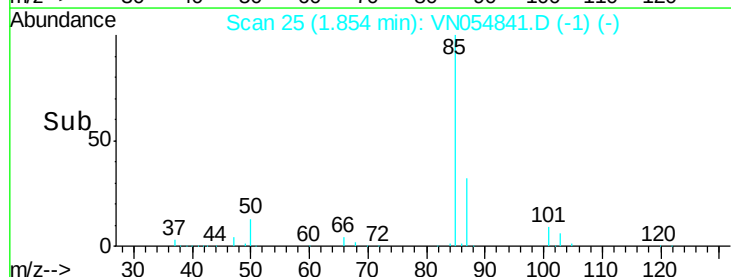
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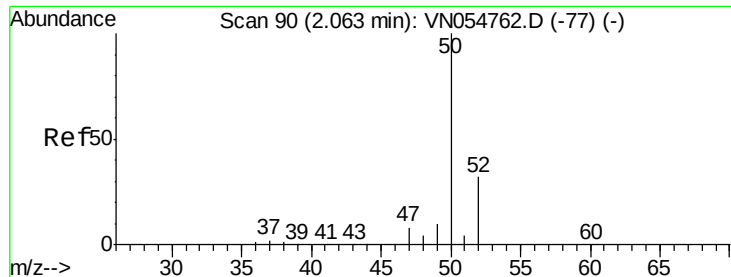
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.428 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 328887

Ion Ratio Lower Upper

50 100

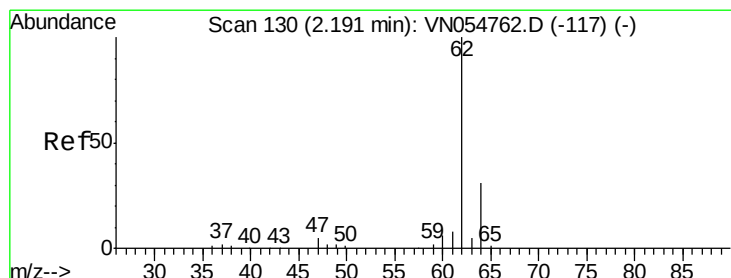
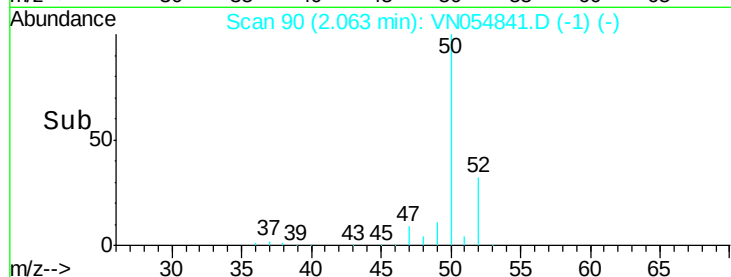
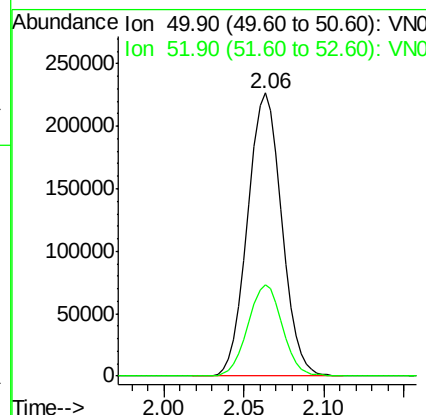
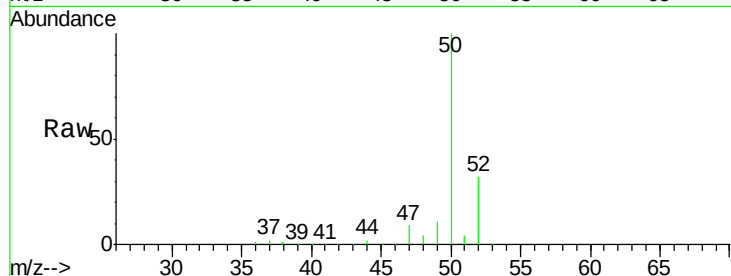
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.731 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054841.D

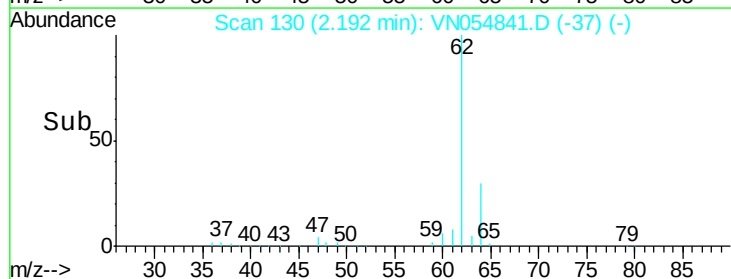
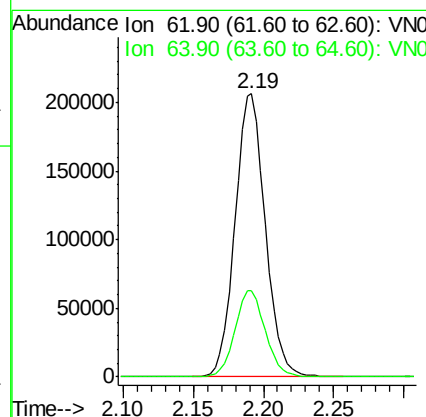
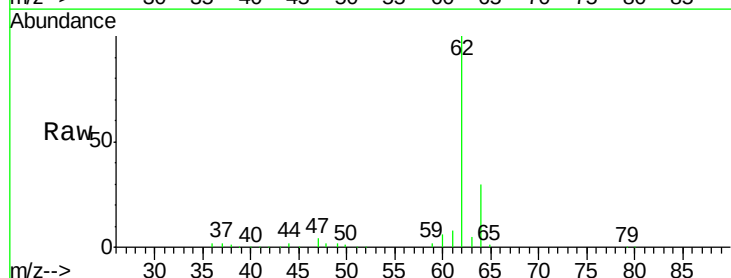
Acq: 31 Mar 2019 10:43

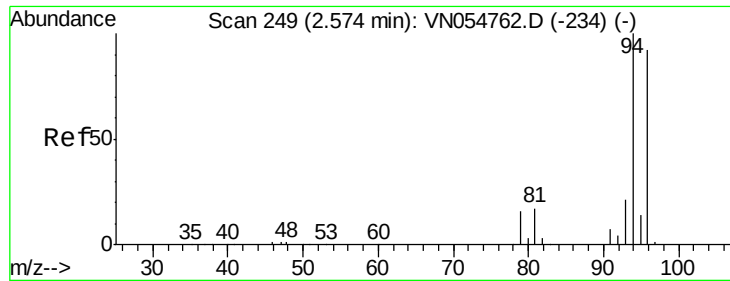
Tgt Ion: 62 Resp: 309684

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3





#5

Bromomethane

Concen: 46.621 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 94 Resp: 152707

Ion Ratio Lower Upper

94 100

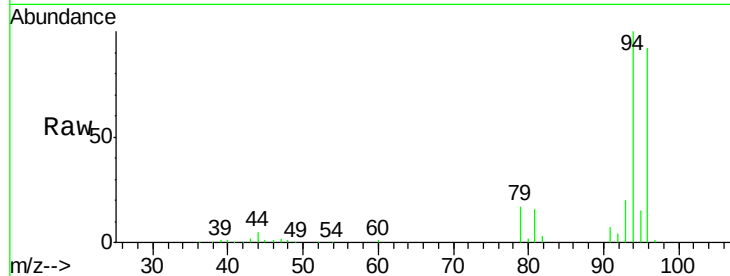
96 91.5 77.0 115.4

Manual Integrations

APPROVED

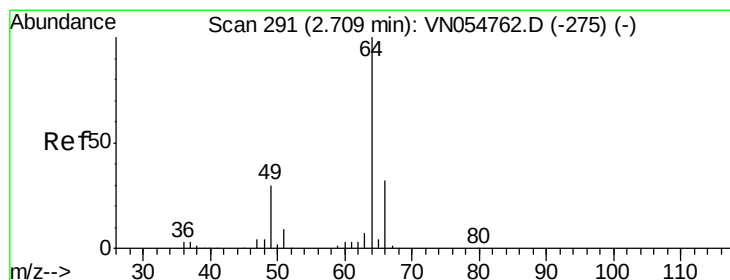
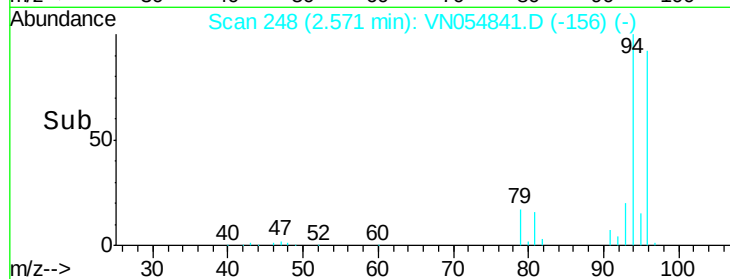
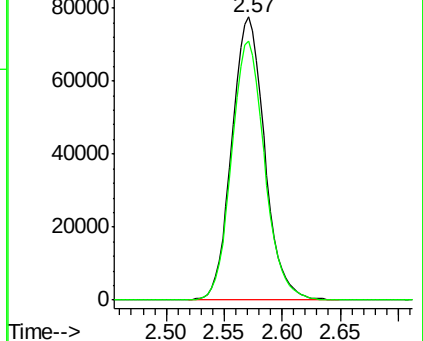
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.707 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054841.D

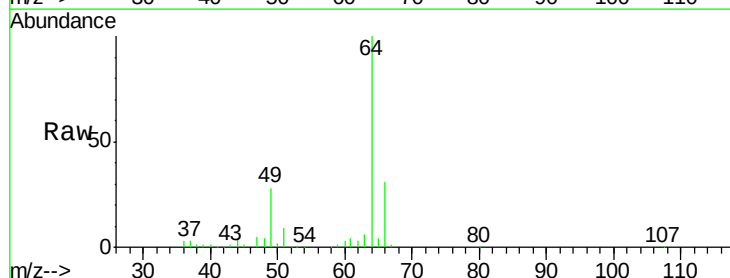
Acq: 31 Mar 2019 10:43

Tgt Ion: 64 Resp: 172844

Ion Ratio Lower Upper

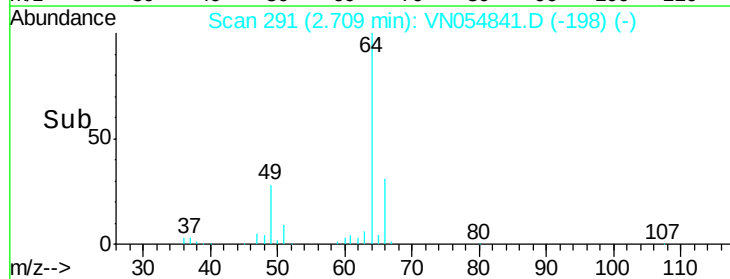
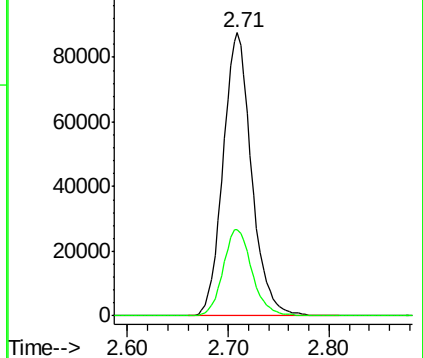
64 100

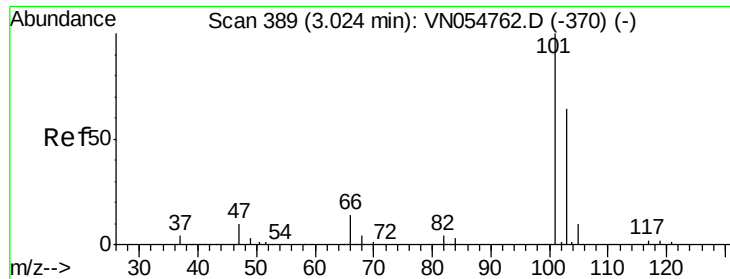
66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

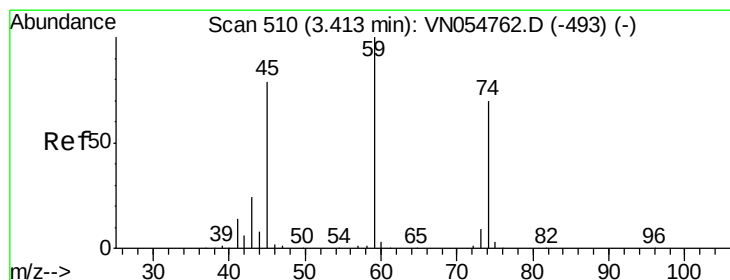
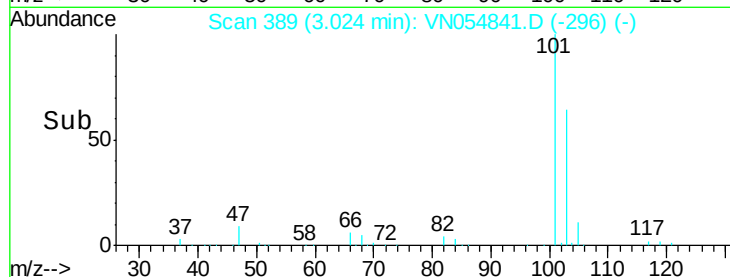
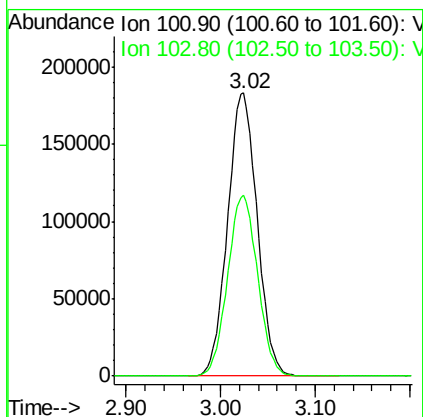
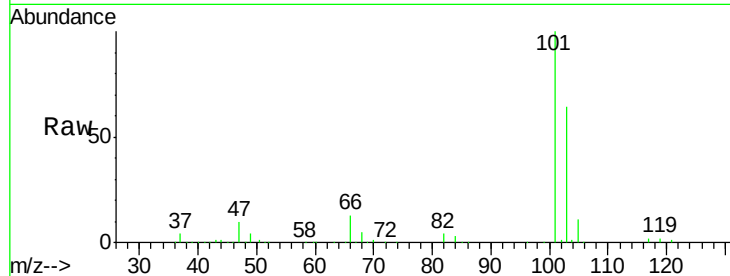
Trichlorofluoromethane
Concen: 51.938 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

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ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 397633
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

Manual Integrations
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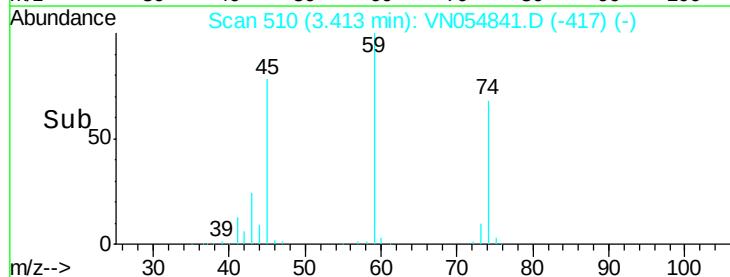
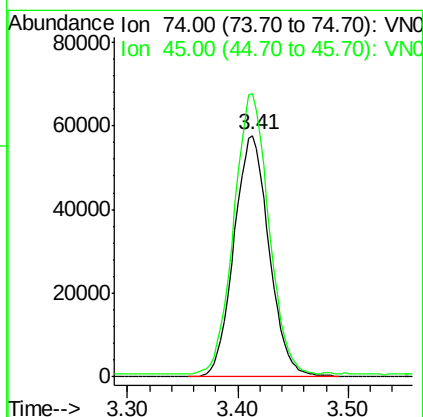
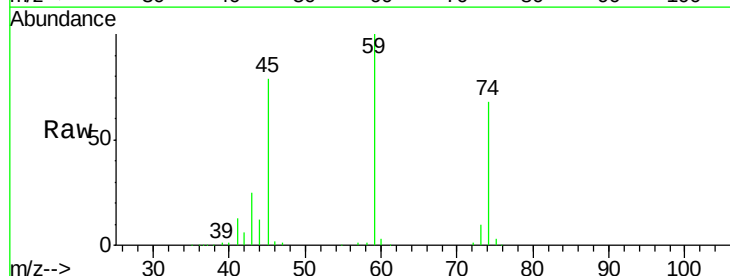
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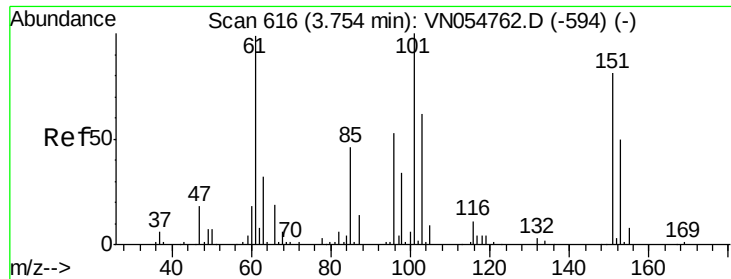


#8

Diethyl Ether
Concen: 51.531 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 74 Resp: 127034
Ion Ratio Lower Upper
74 100
45 116.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.790 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

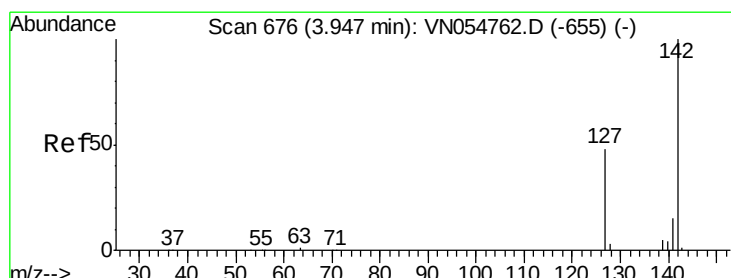
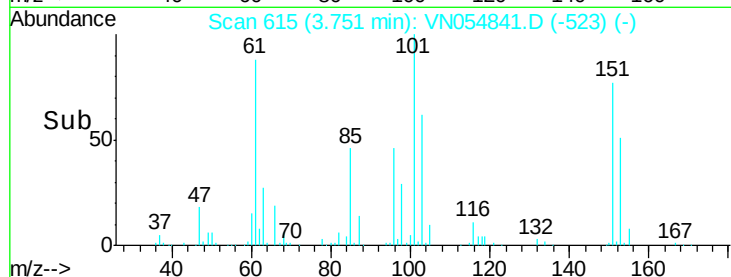
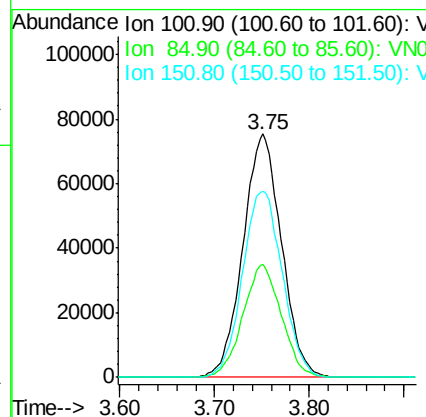
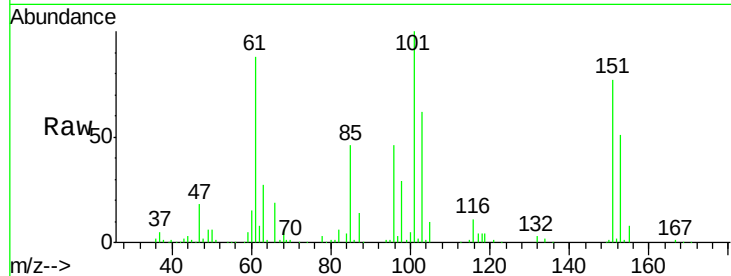
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	212756
Ion Ratio	Lower	Upper	
101	100		
85	46.4	32.4	48.6
151	79.1	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 42.648 ug/l

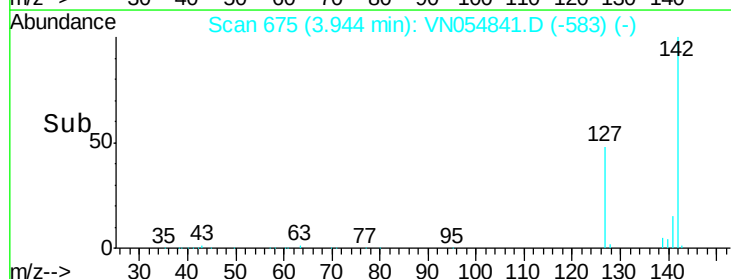
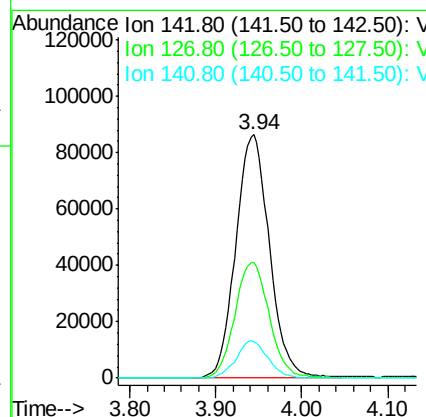
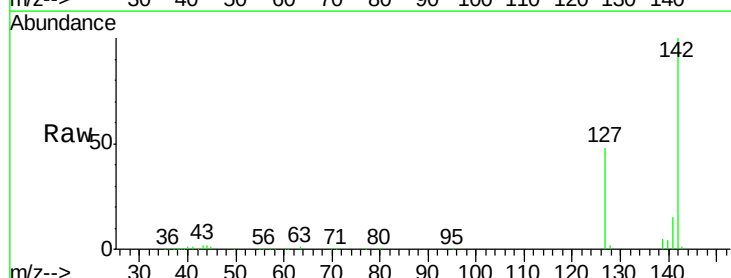
RT: 3.94 min Scan# 675

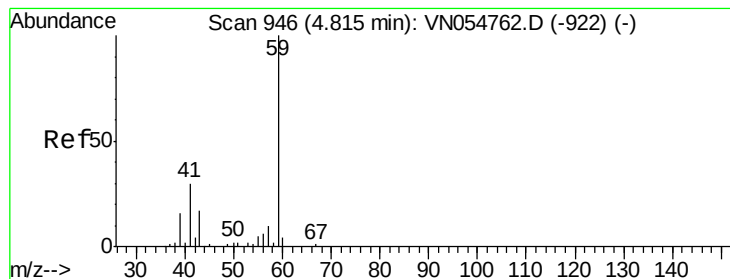
Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	142	Resp:	235304
Ion Ratio	Lower	Upper	
142	100		
127	48.5	30.3	45.5#
141	14.5	11.2	16.8





#11

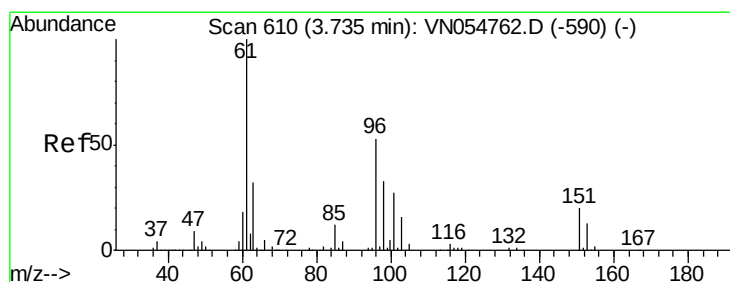
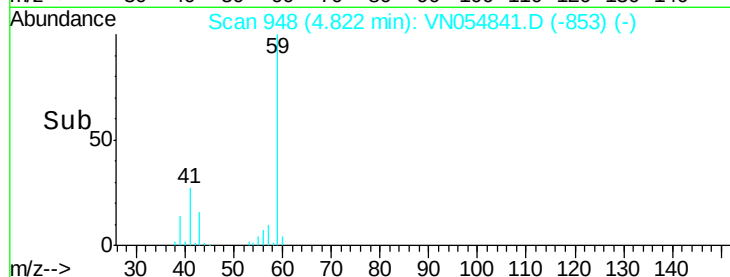
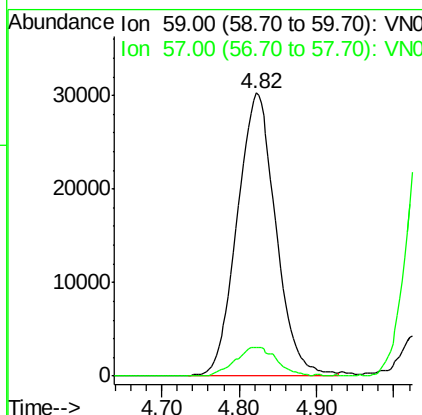
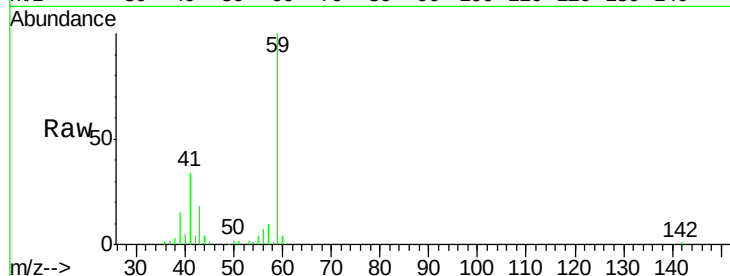
Tert butyl alcohol
Concen: 302.468 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.6

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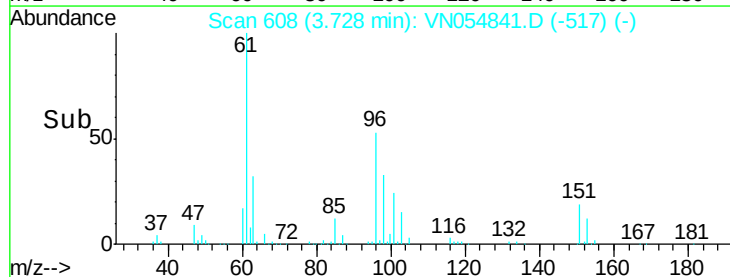
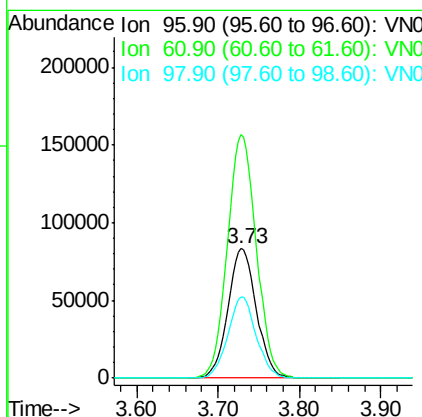
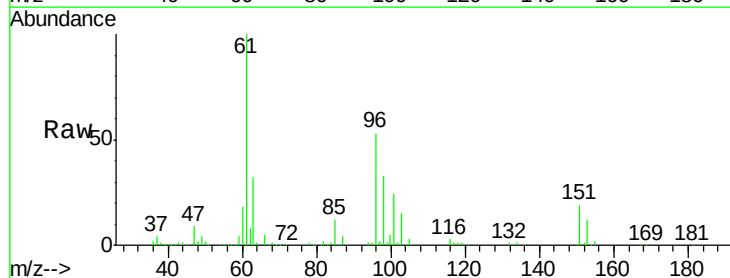
MMDadoda
4/1/2019 12:49:46 PM

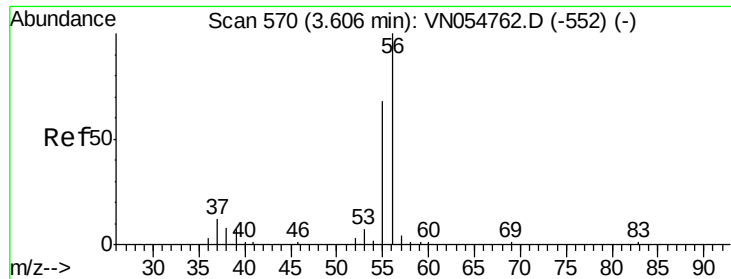


#12

1,1-Dichloroethene
Concen: 52.319 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.4	116.5	174.7#
98	63.0	51.0	76.4





#13

Acrolein

Concen: 222.885 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 69387

Ion Ratio Lower Upper

56 100

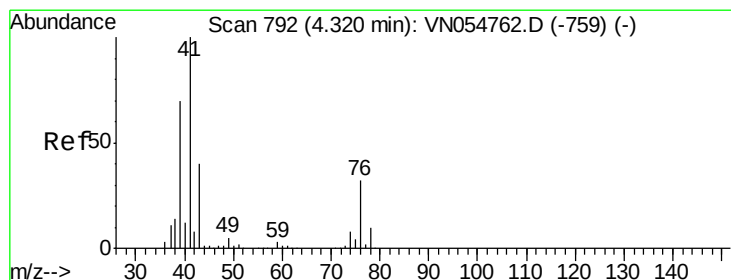
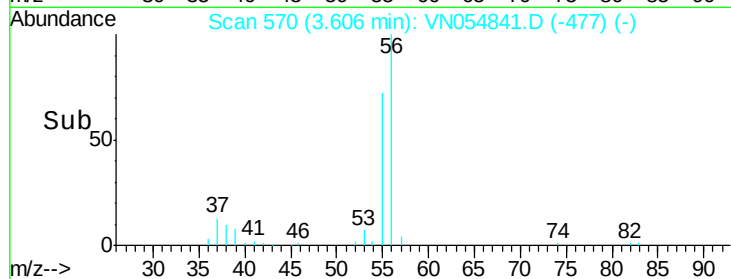
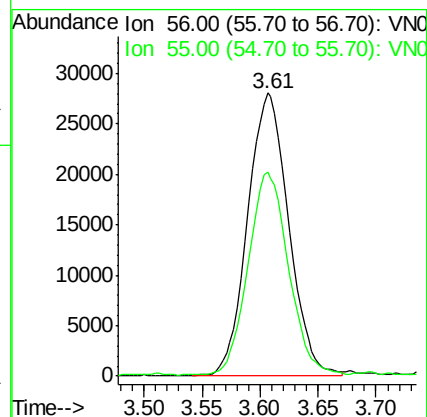
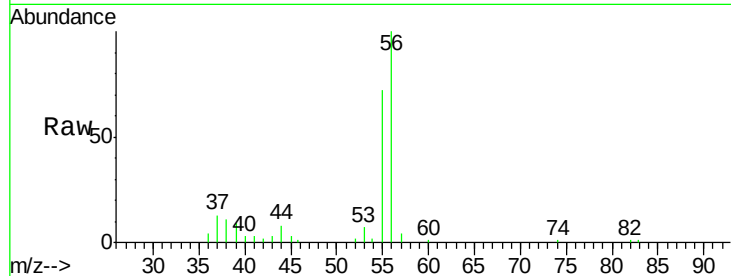
55 69.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.388 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

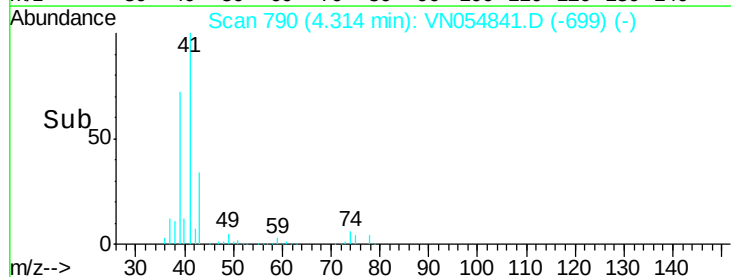
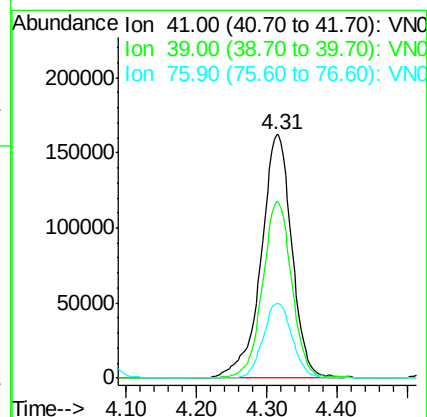
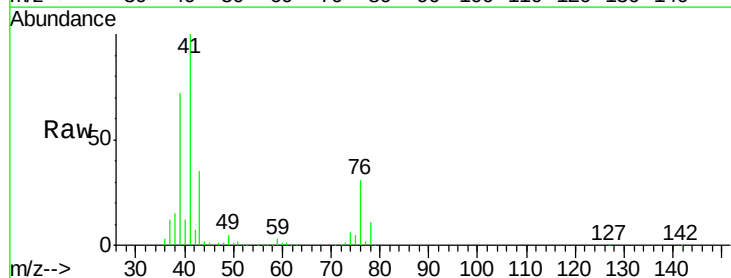
Tgt Ion: 41 Resp: 493309

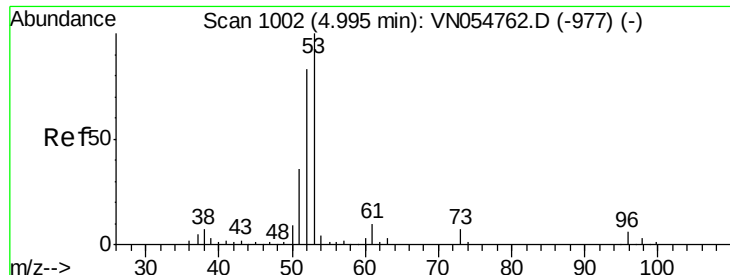
Ion Ratio Lower Upper

41 100

39 68.4 58.2 87.4

76 29.1 31.7 47.5#





#15

Acrylonitrile

Concen: 273.578 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

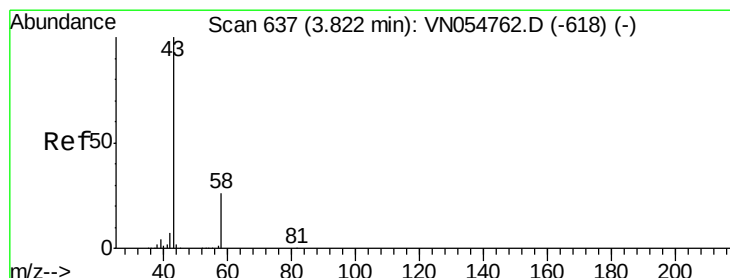
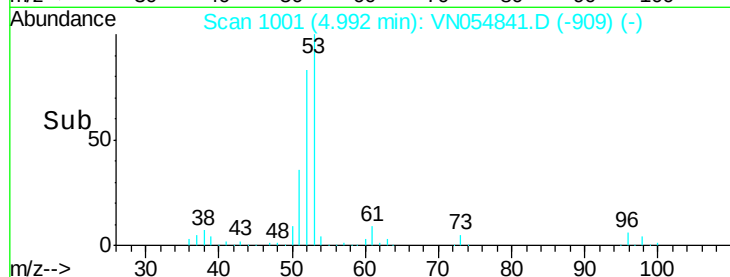
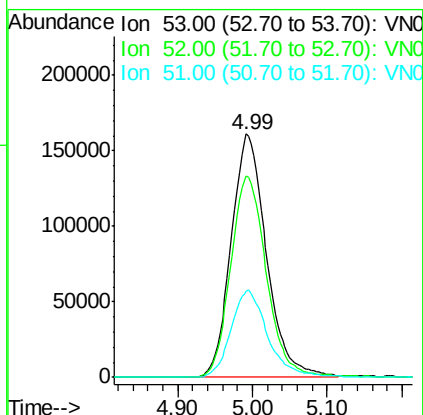
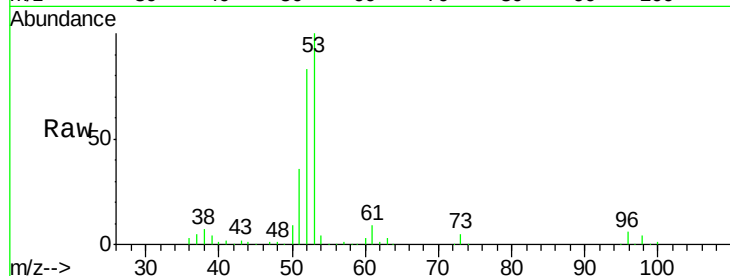
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	529532
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 407.725 ug/l

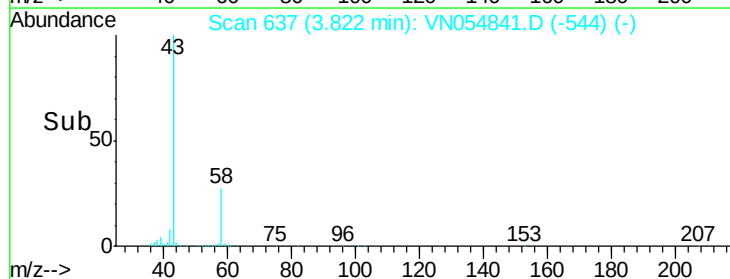
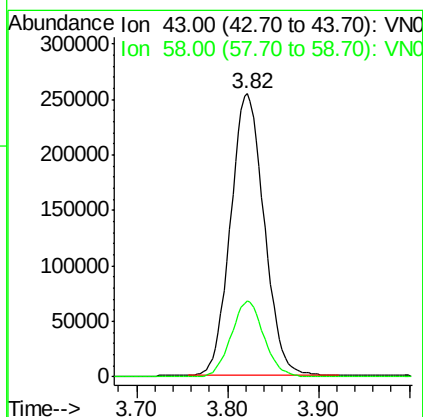
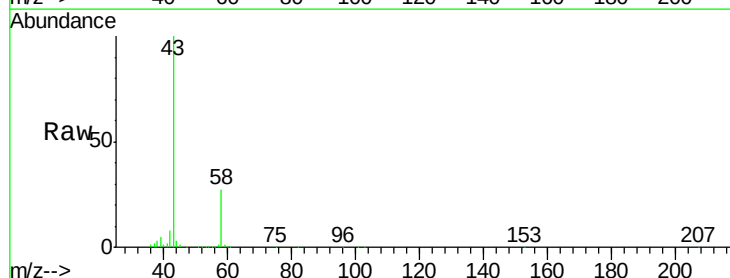
RT: 3.82 min Scan# 637

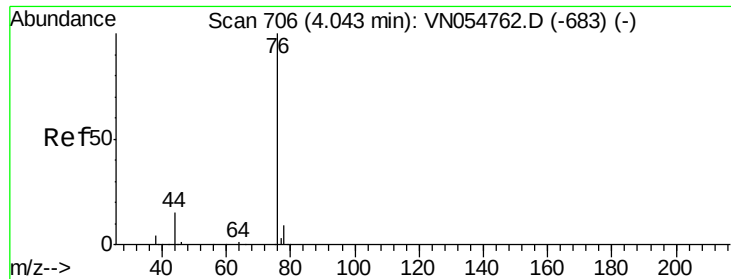
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	43	Resp:	649842
Ion	Ratio	Lower	Upper
43	100		
58	26.8	29.9	44.9#





#17

Carbon Disulfide

Concen: 50.591 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 639515

Ion Ratio Lower Upper

76 100

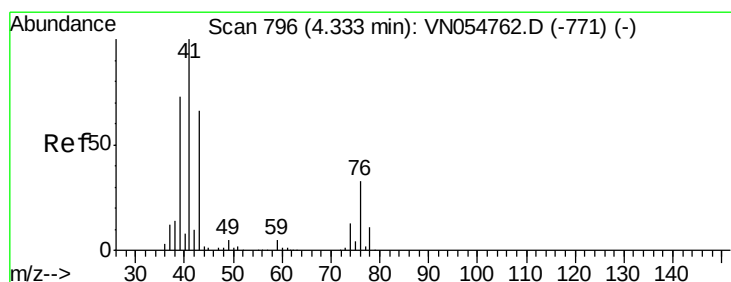
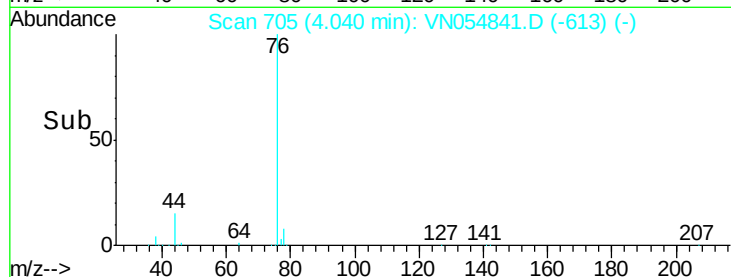
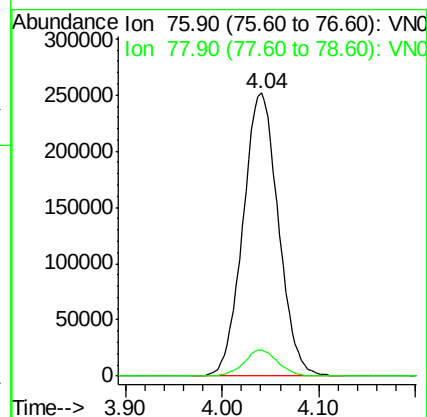
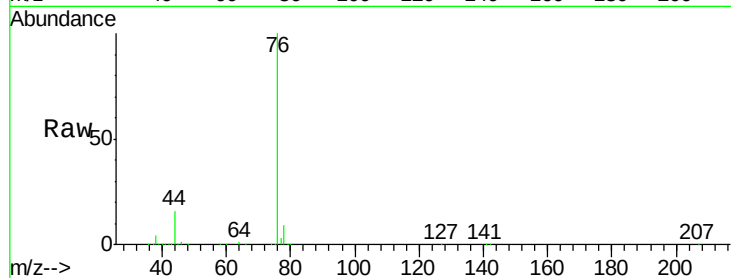
78 9.2 7.5 11.3

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#18

Methyl Acetate

Concen: 57.324 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054841.D

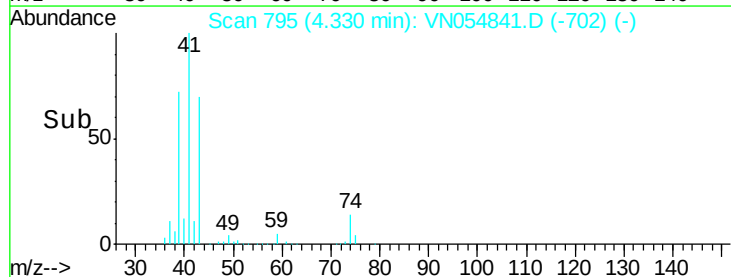
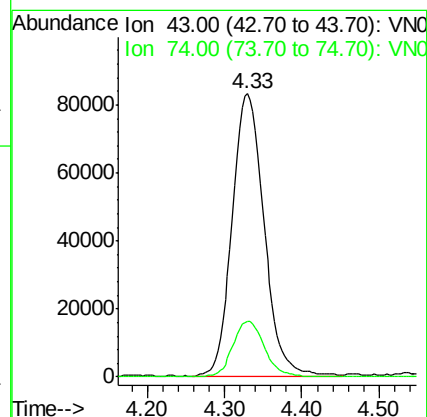
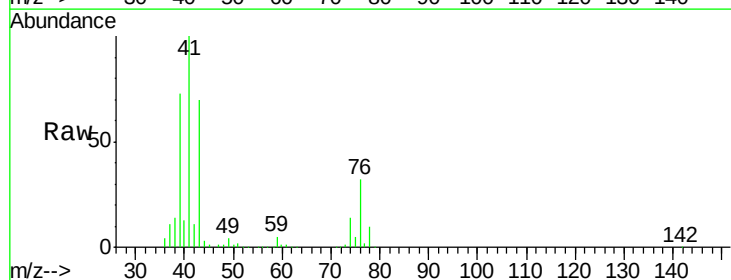
Acq: 31 Mar 2019 10:43

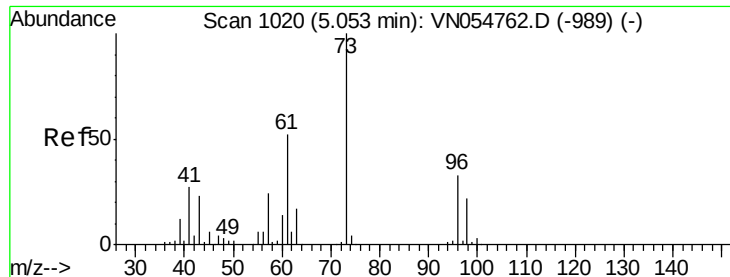
Tgt Ion: 43 Resp: 237412

Ion Ratio Lower Upper

43 100

74 19.6 20.8 31.2#





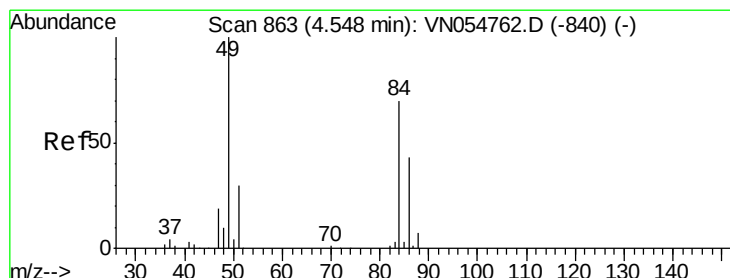
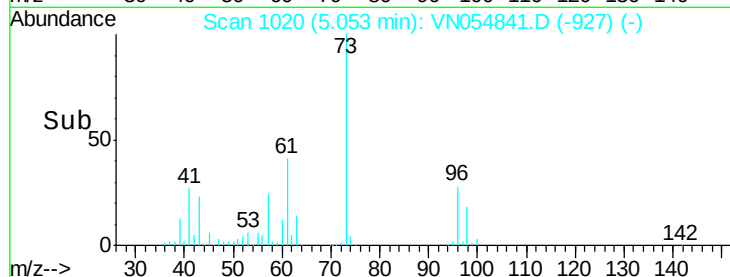
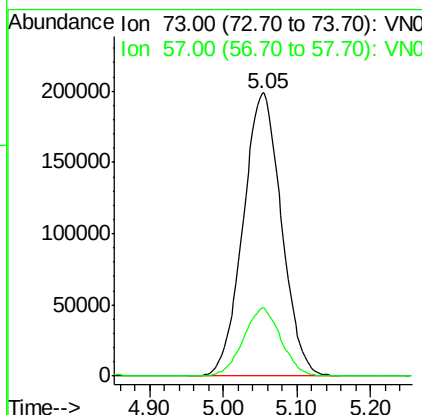
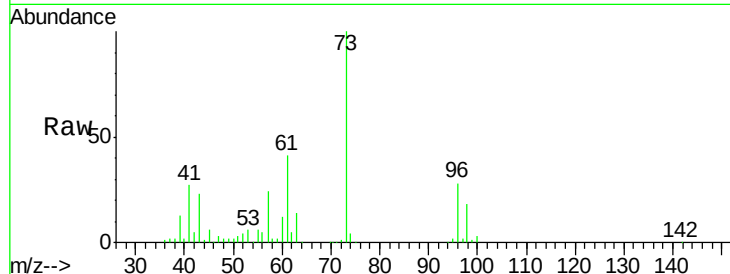
#19
Methyl tert-butyl Ether
Concen: 52.815 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 720026
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2

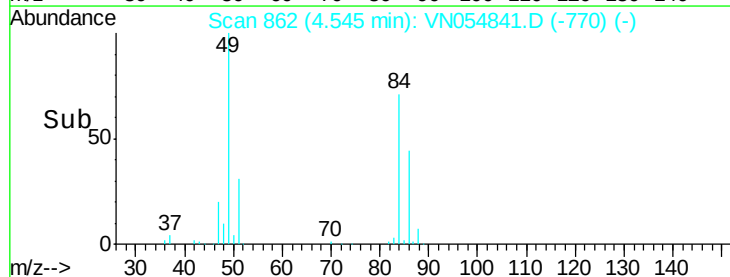
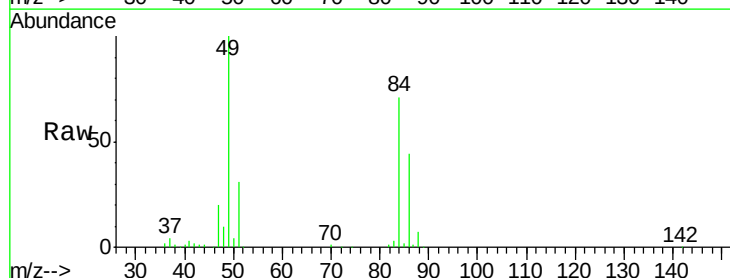
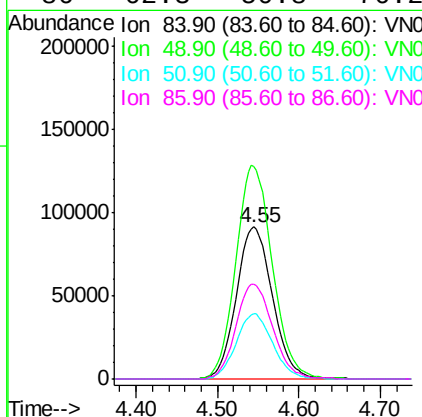
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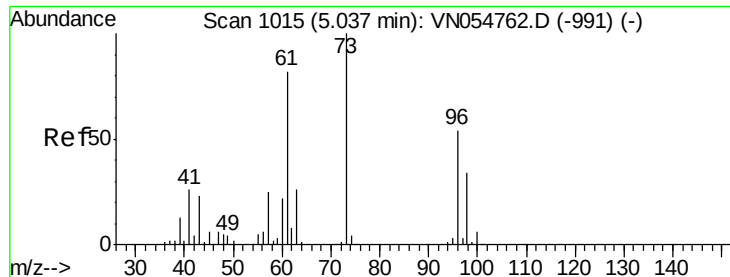
MMDadoda
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#20
Methylene Chloride
Concen: 50.008 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 84 Resp: 281149
Ion Ratio Lower Upper
84 100
49 140.1 89.7 134.5#
51 43.2 28.2 42.4#
86 62.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.509 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 263682

Ion Ratio Lower Upper

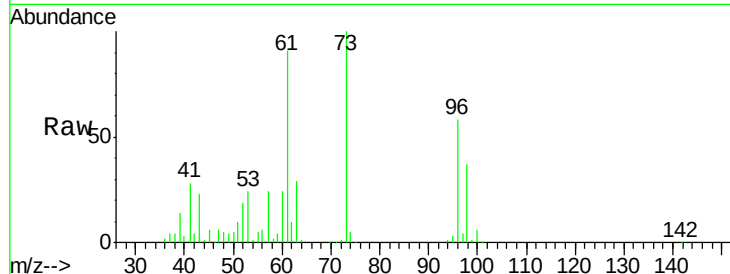
96 100

61 157.8 102.8 154.2#

98 64.6 50.0 75.0

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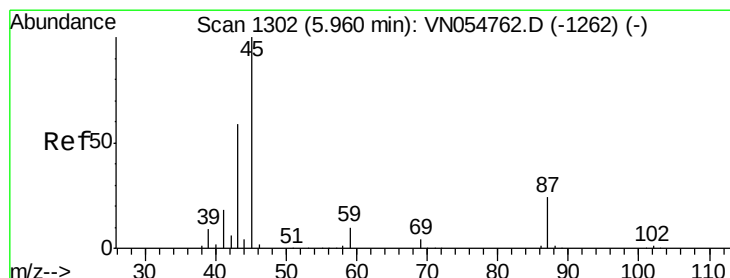
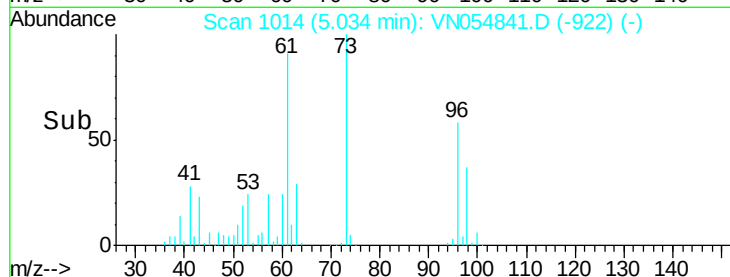
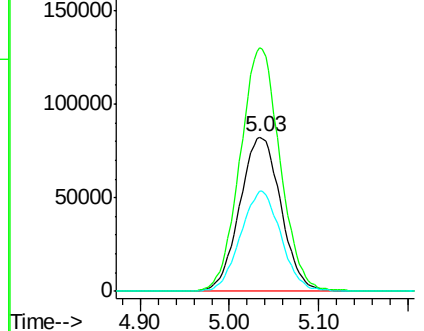
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 53.634 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion: 45 Resp: 1018324

Ion Ratio Lower Upper

45 100

43 57.2 48.2 72.2

87 23.0 24.9 37.3#

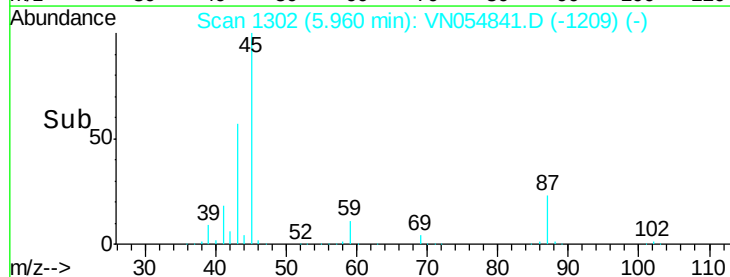
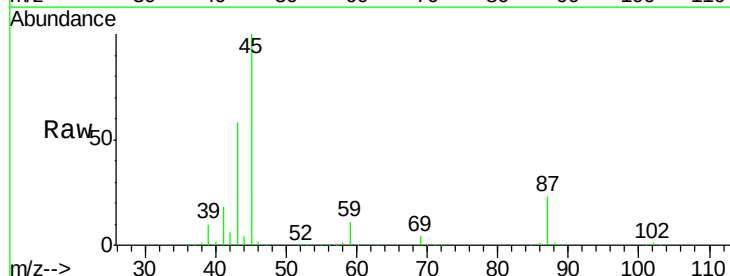
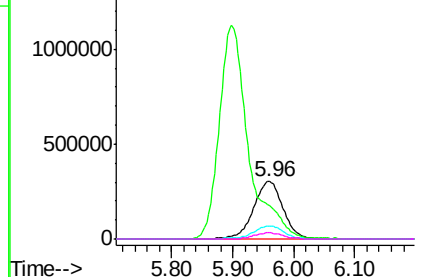
59 10.6 9.5 14.3

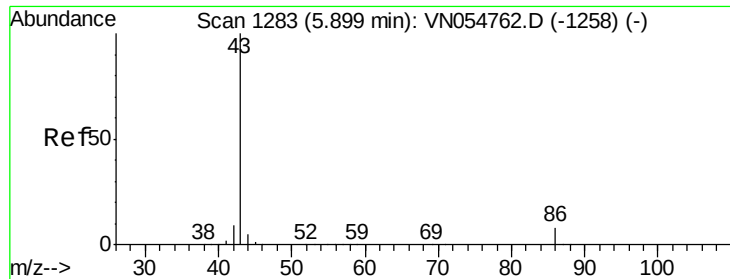
Abundance Ion 45.00 (44.70 to 45.70): VNC

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





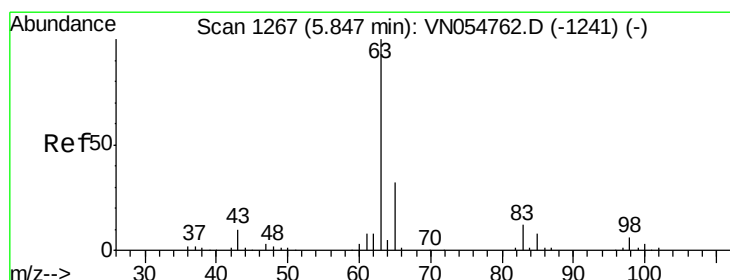
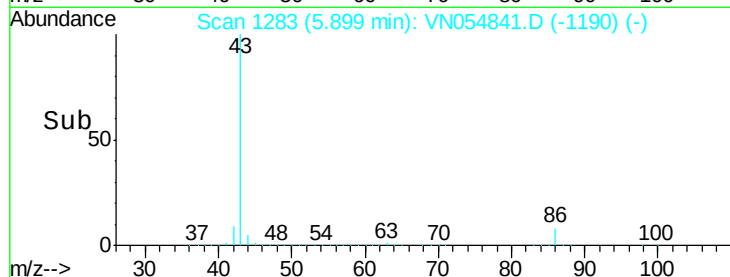
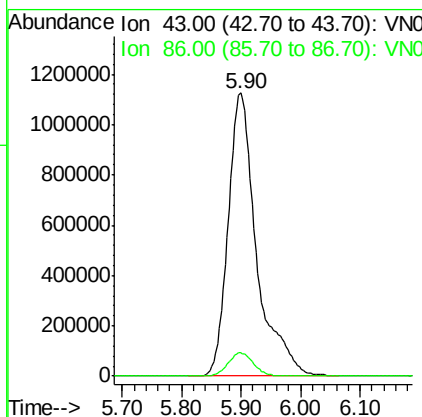
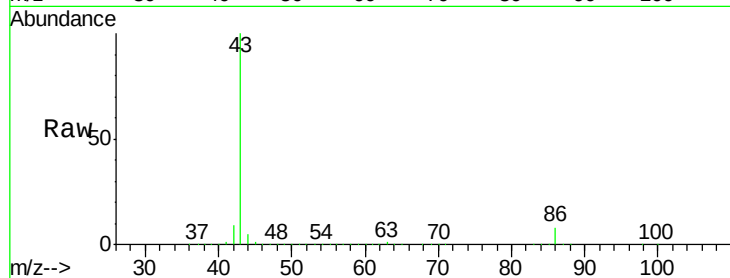
#23
 Vinyl Acetate
 Concen: 283.383 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3744314
 Ion Ratio Lower Upper
 43 100
 86 8.2 9.1 13.7#

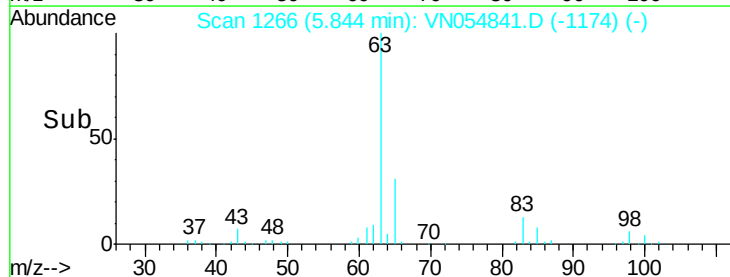
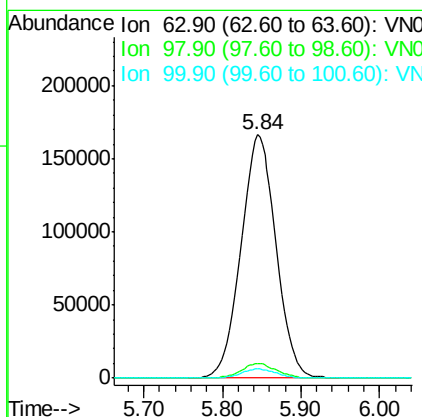
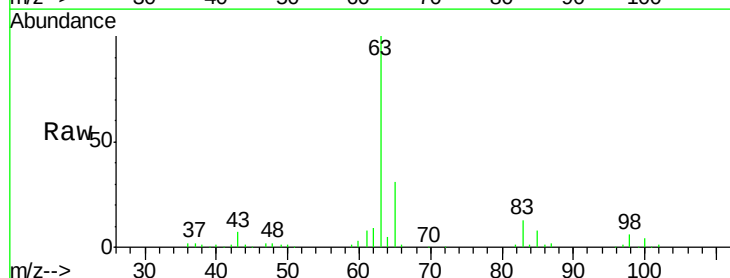
Manual Integrations
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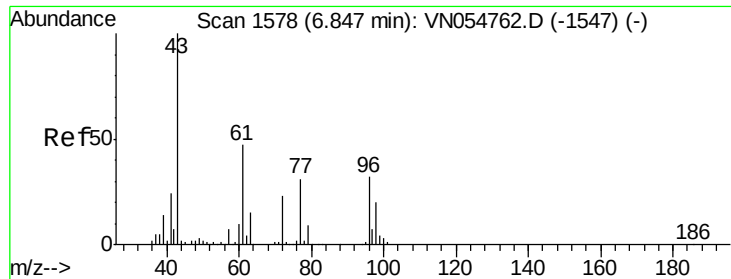
MMDadoda
 4/1/2019 12:49:46 PM



#24
 1,1-Dichloroethane
 Concen: 51.393 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion: 63 Resp: 520520
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 357.029 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 841152

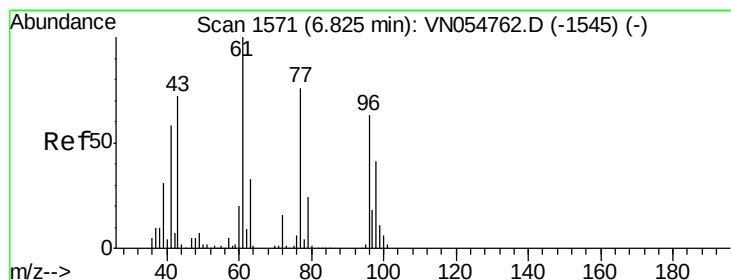
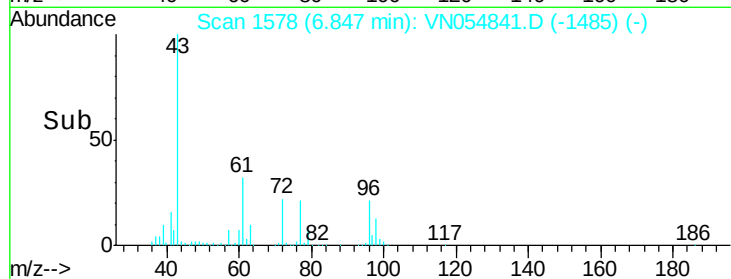
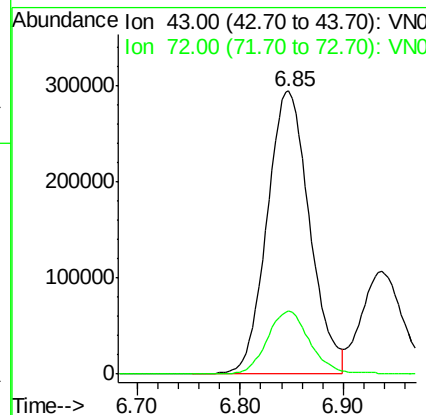
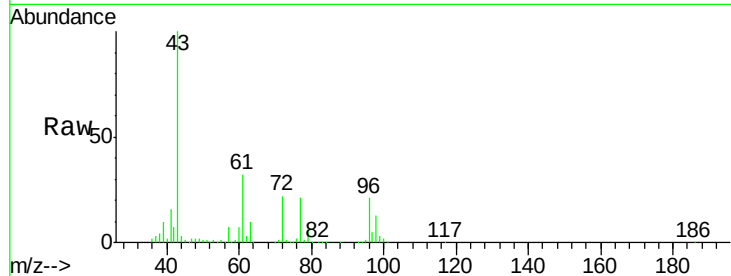
Ion Ratio Lower Upper

43 100

72 22.2 23.0 34.6#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 54.629 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054841.D

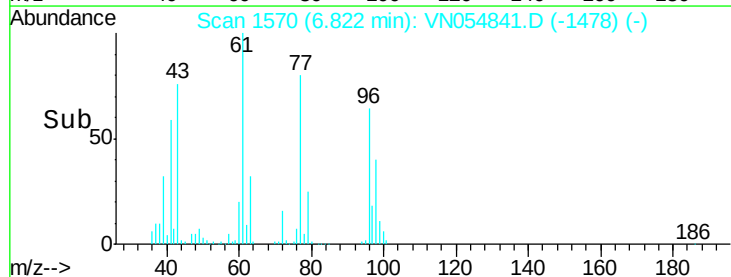
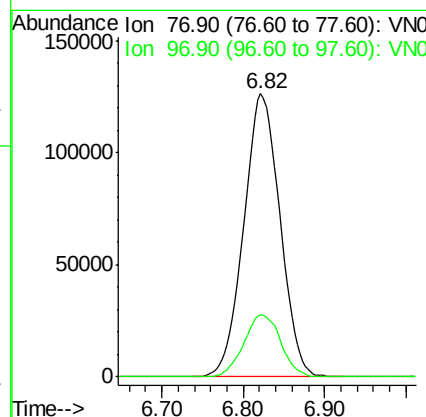
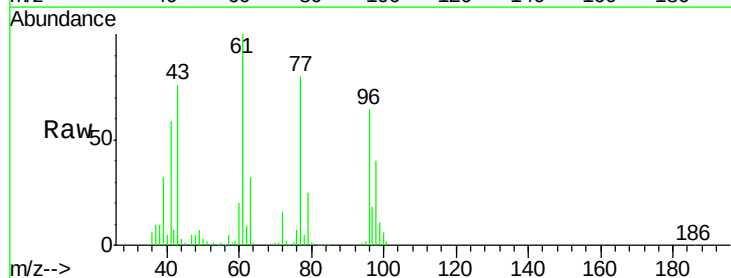
Acq: 31 Mar 2019 10:43

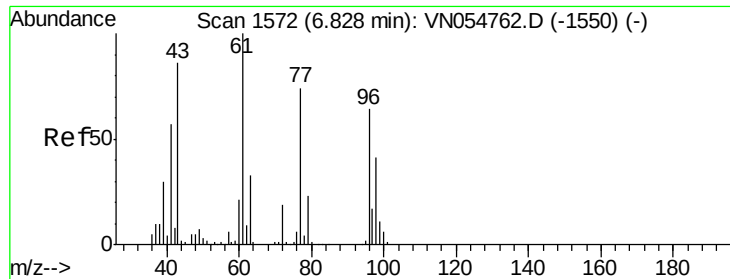
Tgt Ion: 77 Resp: 387797

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.594 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

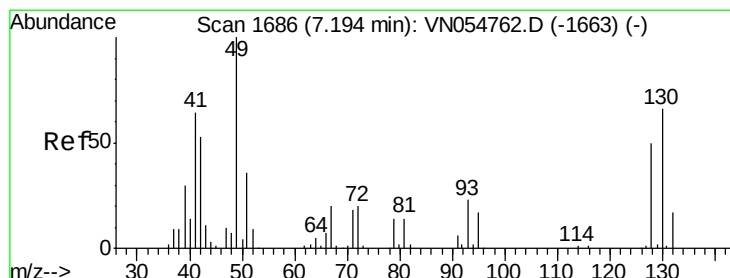
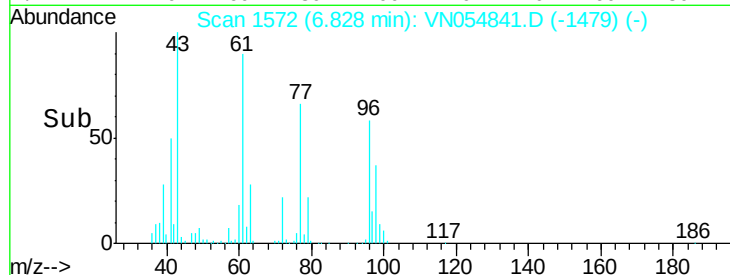
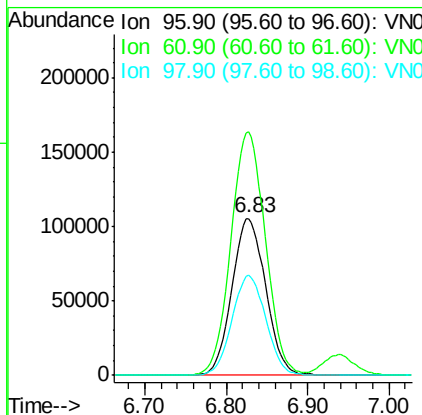
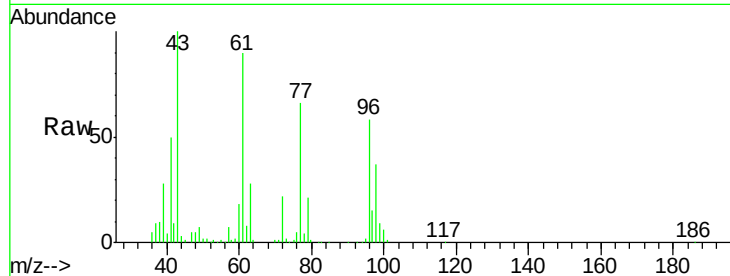
ClientSampled :

VSTDCCC050

Tgt Ion:	96	Resp:	304150
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	273.0
98	63.7	0.0	130.6

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#28

Bromochloromethane

Concen: 53.810 ug/l

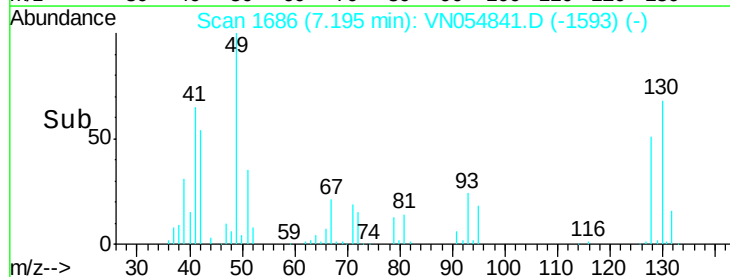
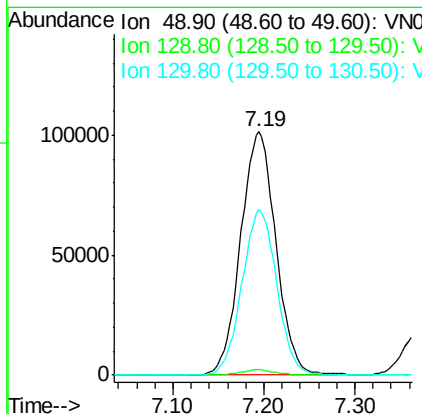
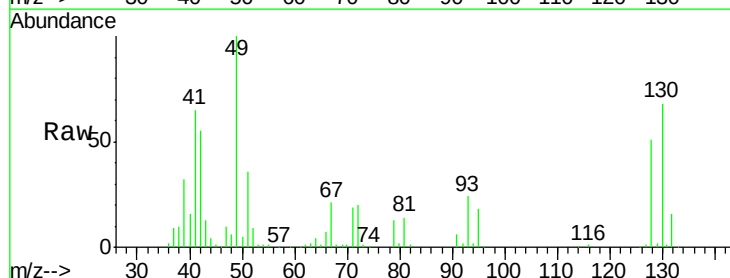
RT: 7.19 min Scan# 1686

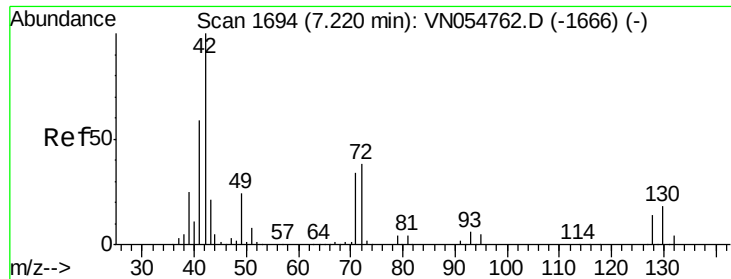
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	49	Resp:	272520
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	66.9	76.7	115.1#





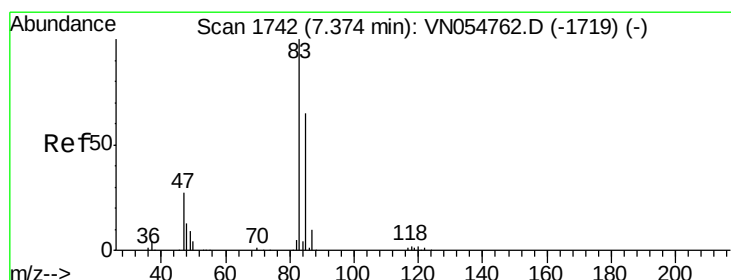
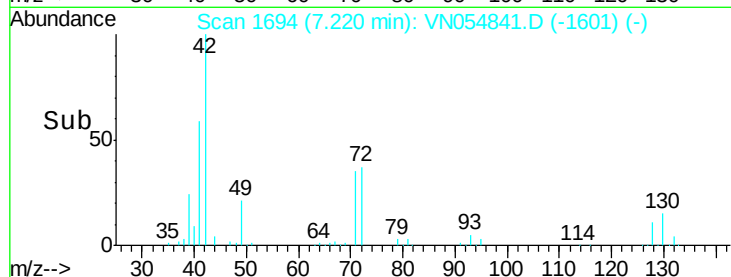
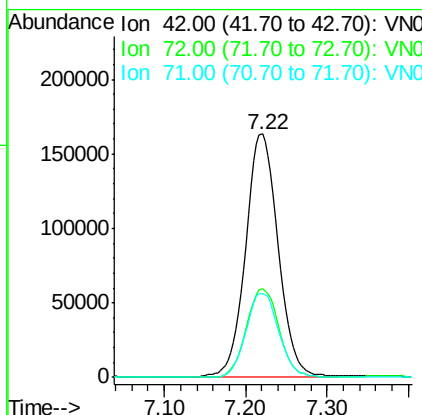
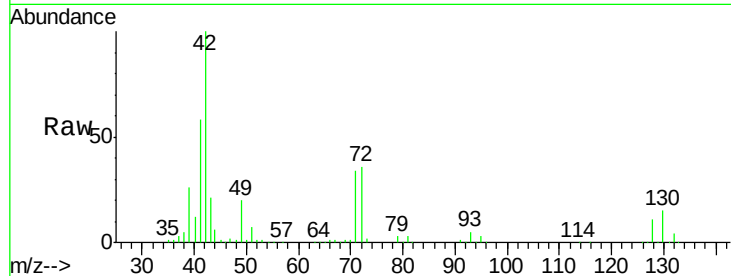
#29
Tetrahydrofuran
Concen: 272.253 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	37.8	56.6#
71	35.1	36.2	54.2#

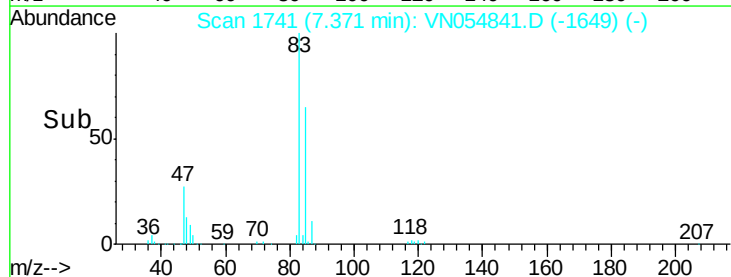
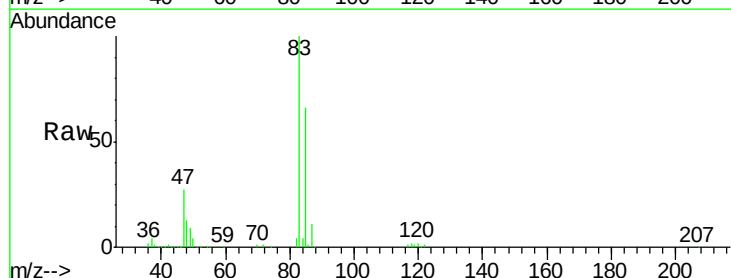
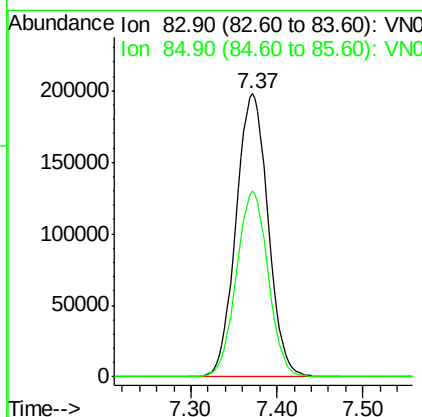
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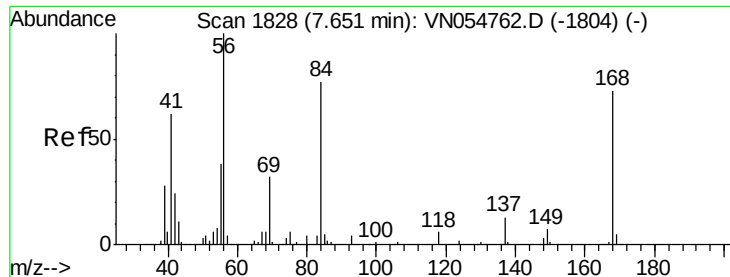
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#30
Chloroform
Concen: 53.127 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4





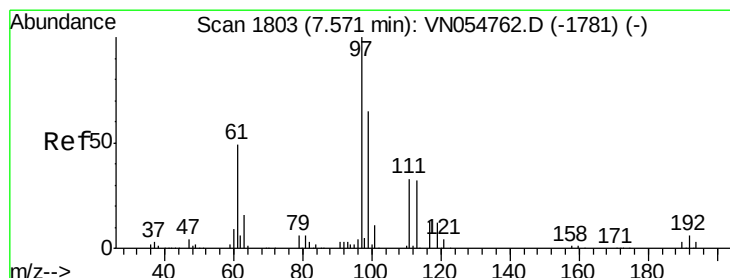
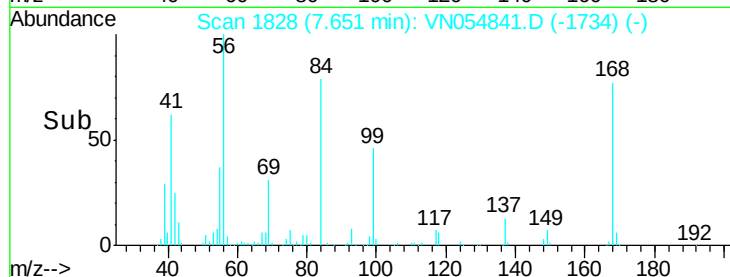
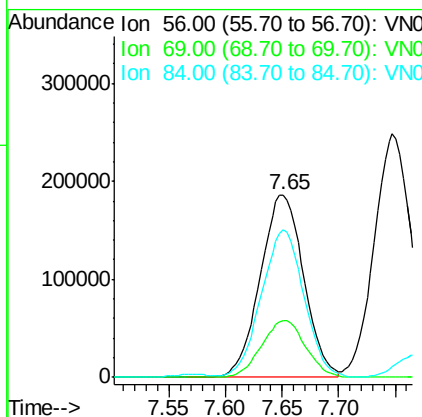
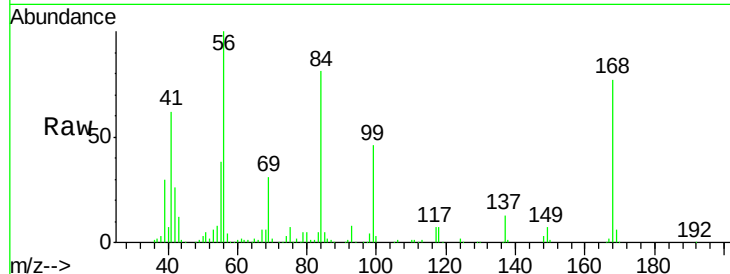
#31
Cyclohexane
Concen: 53.884 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	27.8	41.6
84	79.3	74.6	111.8

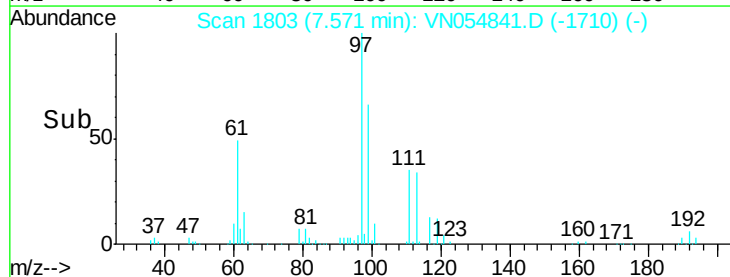
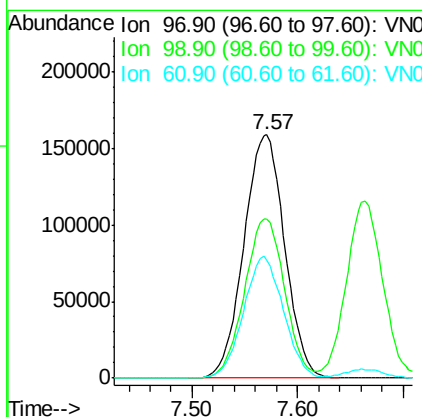
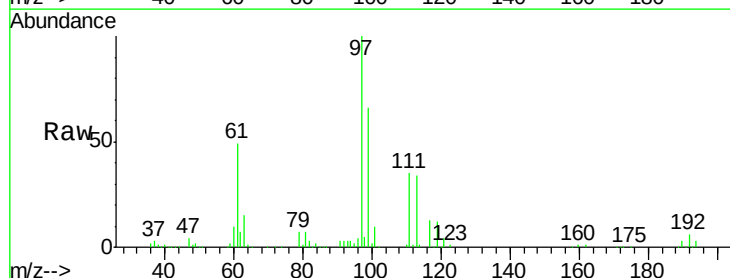
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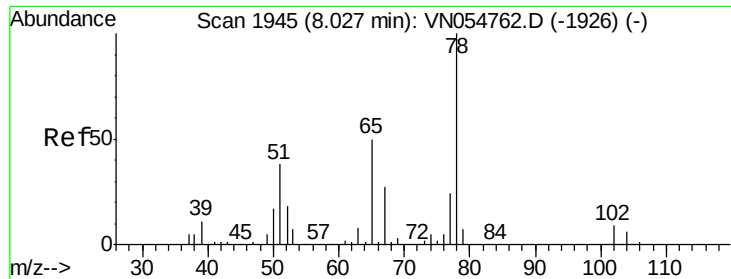
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#32
1,1,1-Trichloroethane
Concen: 53.411 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	48.8	33.6	50.4





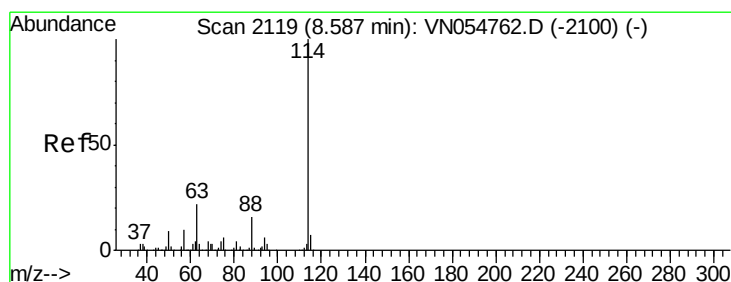
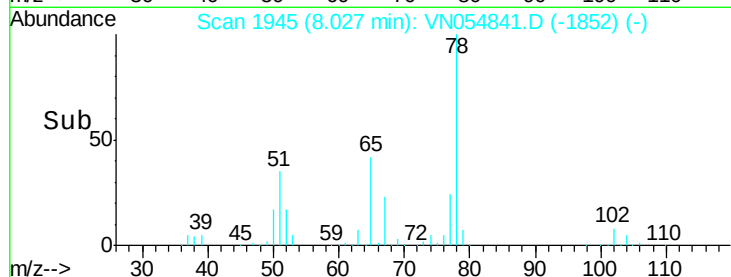
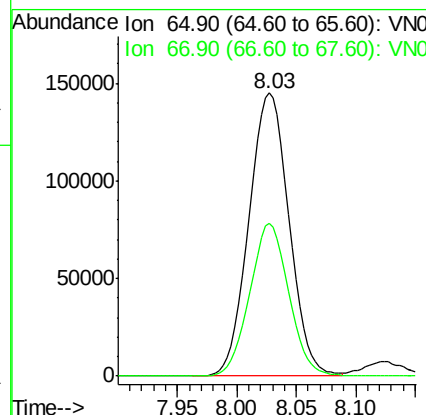
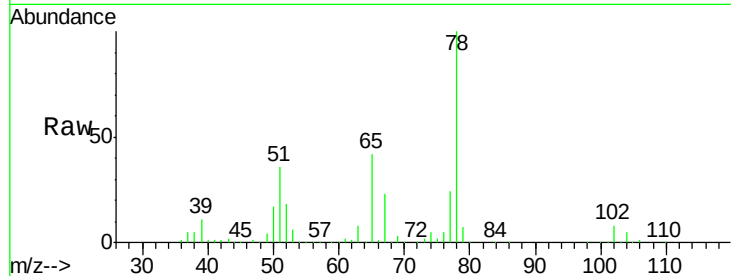
#33
 1,2-Dichloroethane-d4
 Concen: 50.706 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	338902		
67	52.6	0.0	104.6	

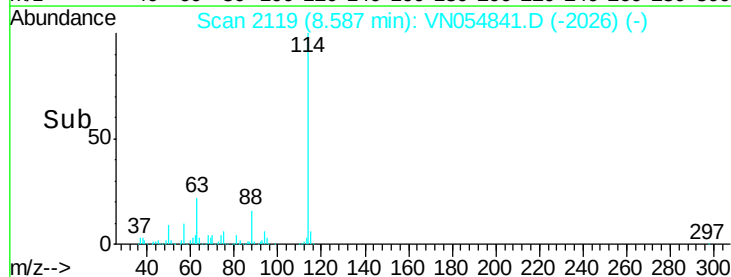
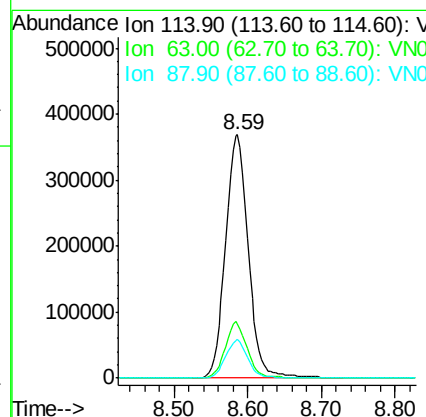
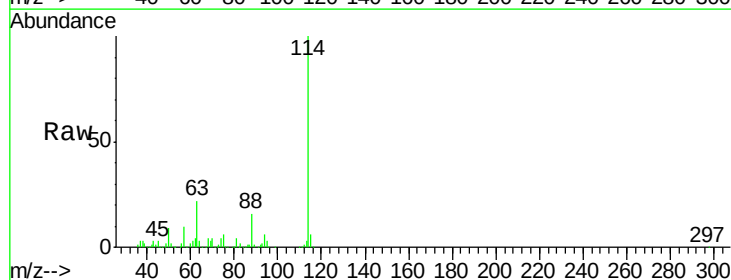
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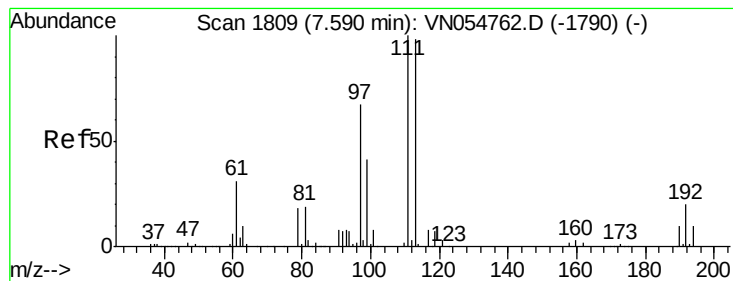
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	792312		
63	22.4	0.0	35.2	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.407 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

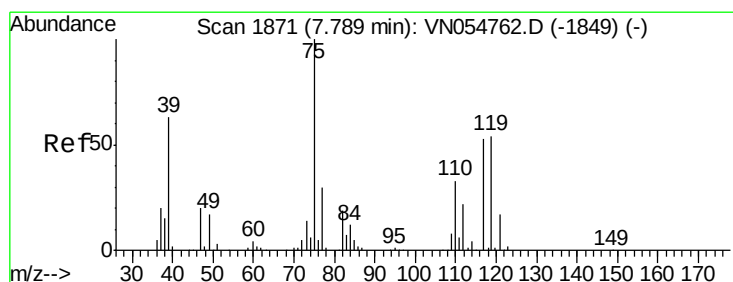
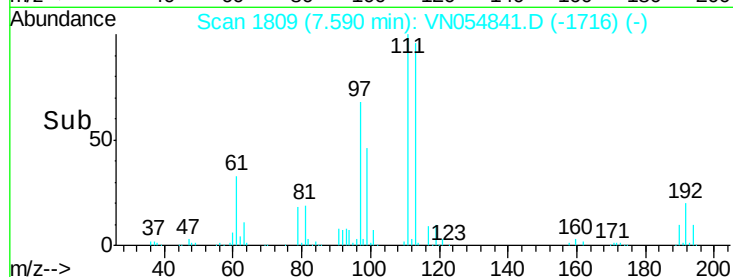
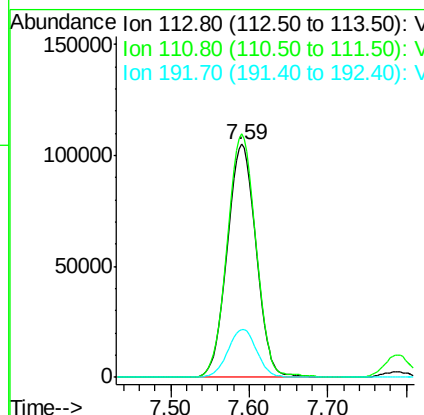
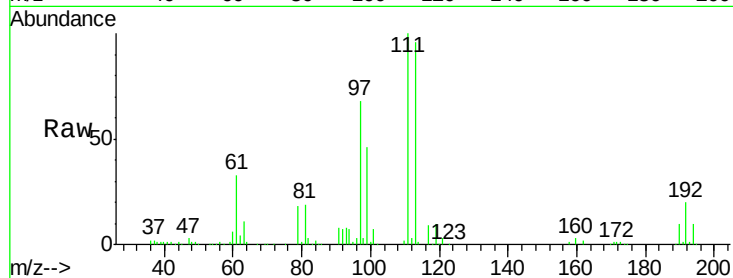
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	266263
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.4
192	20.5	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 53.294 ug/l

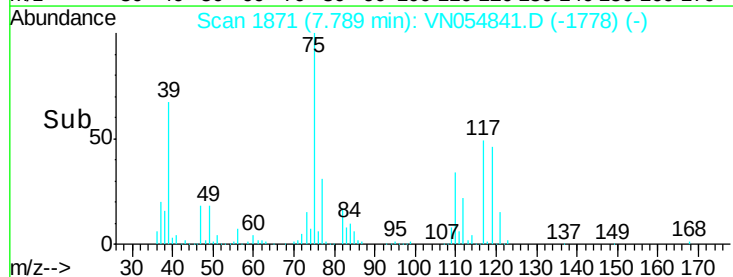
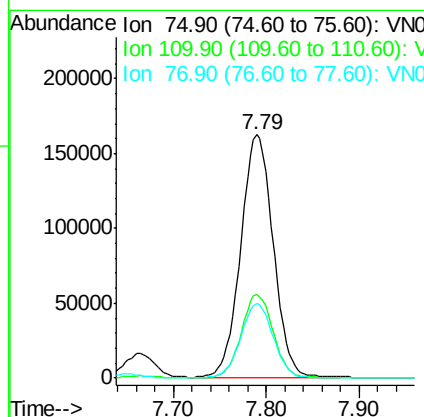
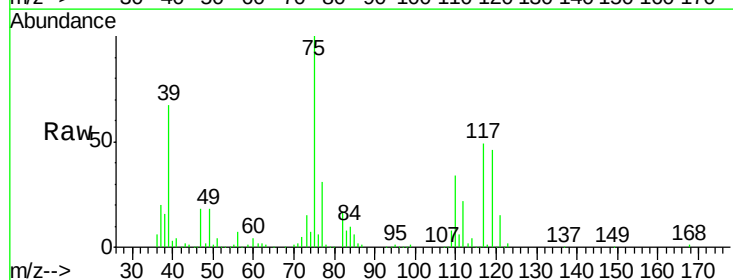
RT: 7.79 min Scan# 1871

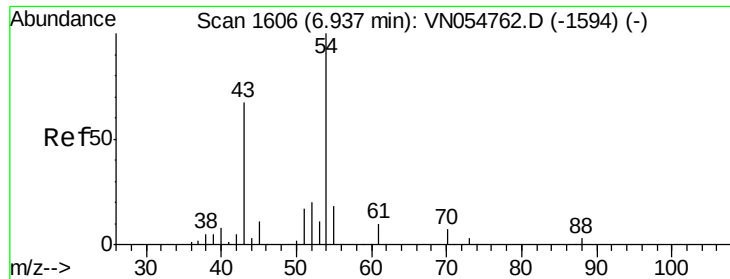
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	75	Resp:	393462
Ion Ratio	Lower	Upper	
75	100		
110	34.2	19.1	57.5
77	31.1	25.0	37.4





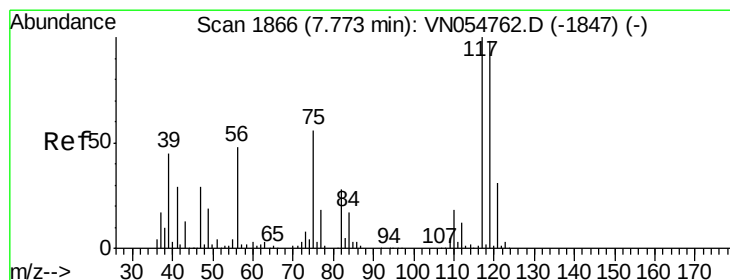
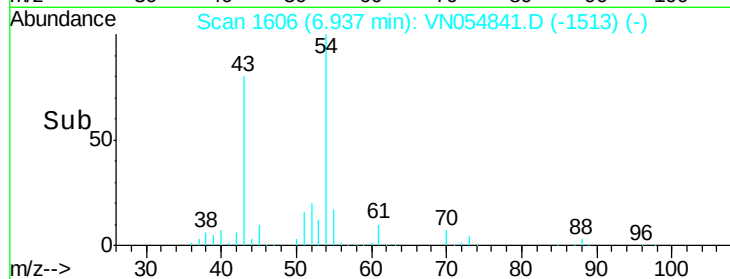
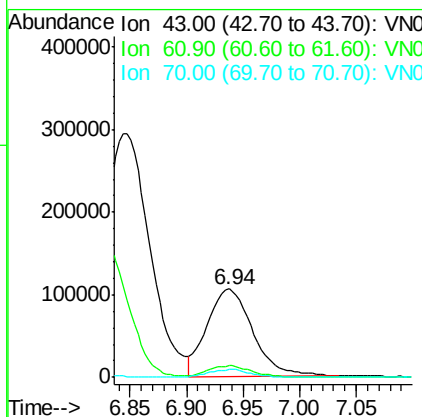
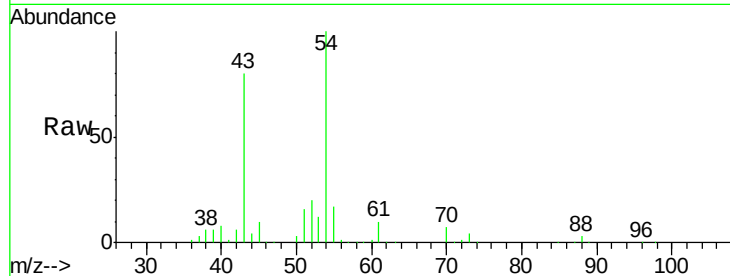
#37
Ethyl Acetate
 Concen: 54.728 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	8.2	8.4	12.6

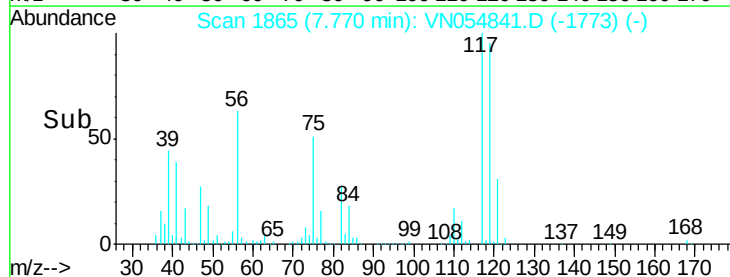
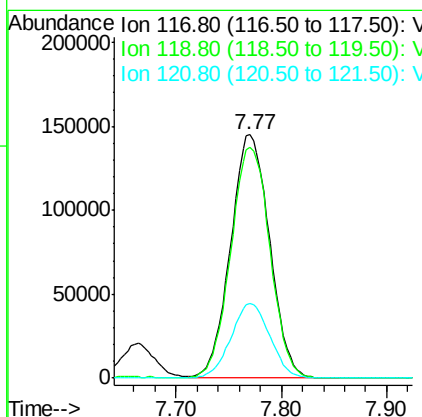
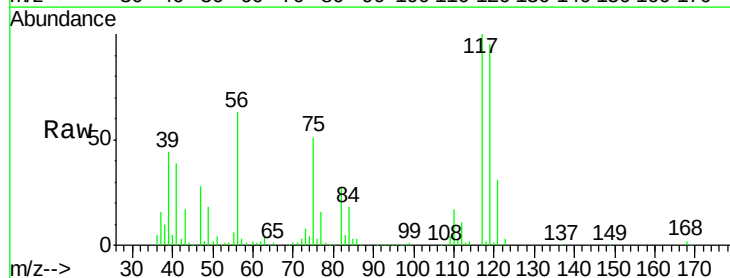
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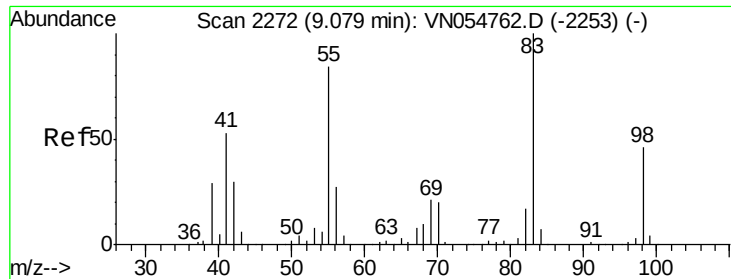
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#38
Carbon Tetrachloride
 Concen: 51.848 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	114.5
121	30.6	24.6	36.8





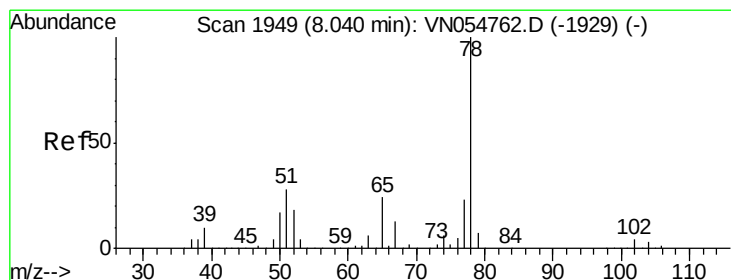
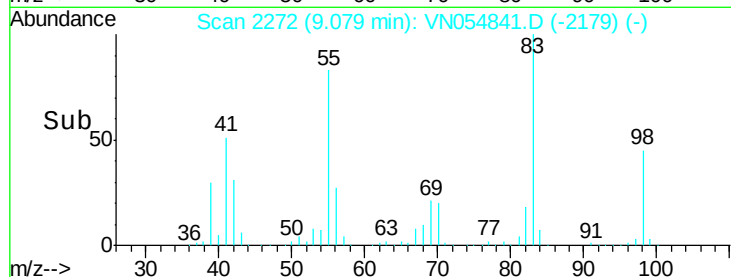
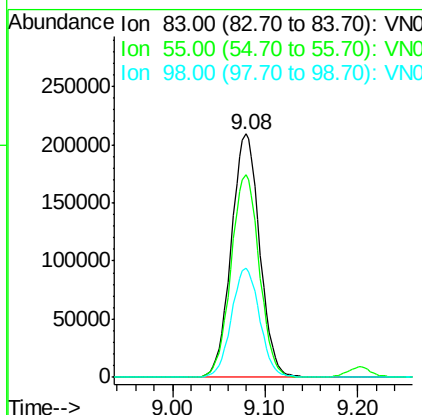
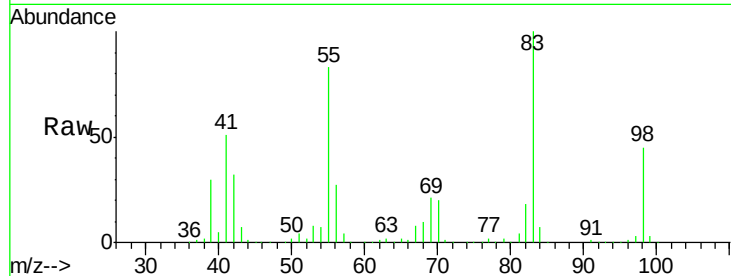
#39
Methylcyclohexane
Concen: 54.762 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.1	56.6	84.8
98	44.8	38.4	57.6

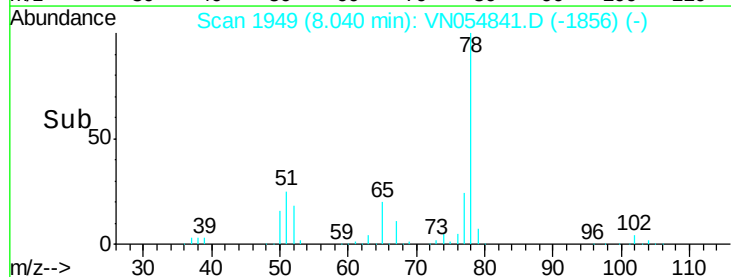
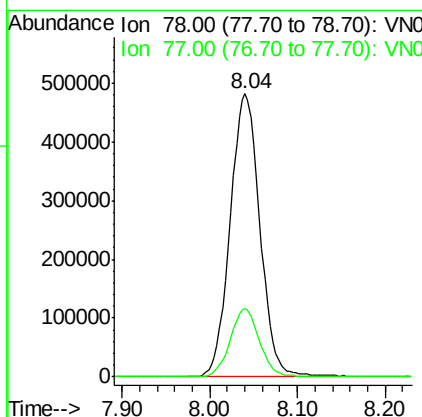
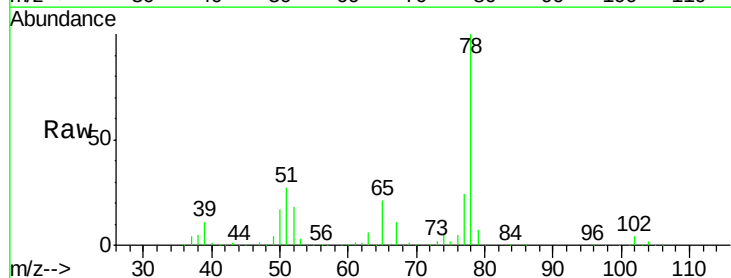
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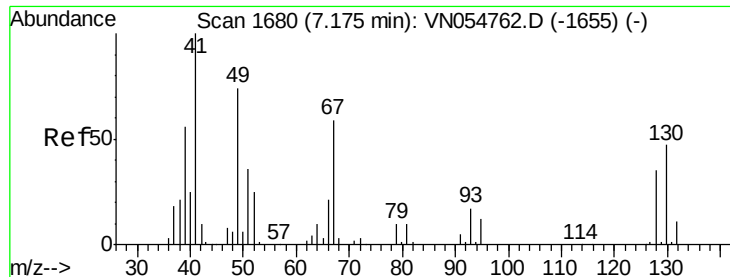
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#40
Benzene
Concen: 53.843 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





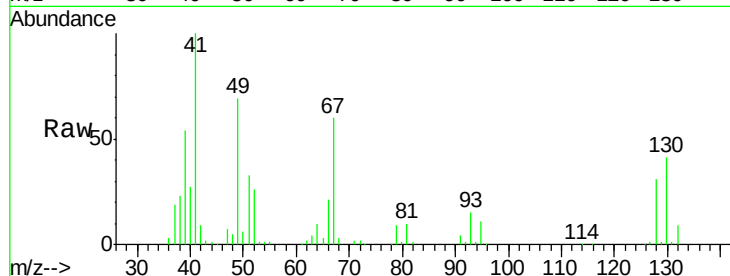
#41
Methacrylonitrile
Concen: 56.716 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

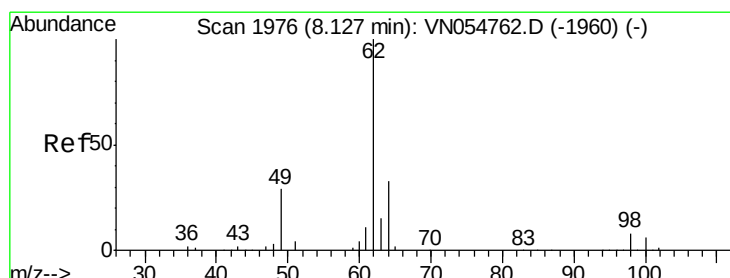
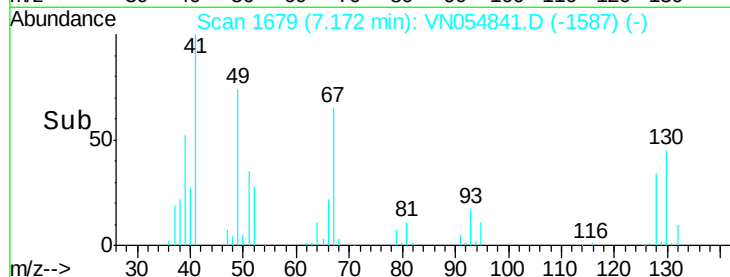
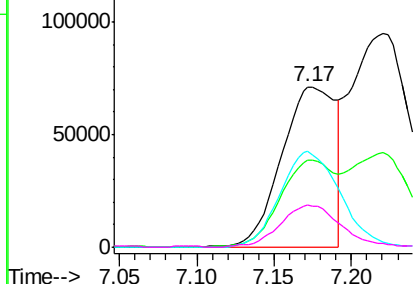
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.6	46.8	70.2
67	67.2	67.0	100.4
52	28.6	26.5	39.7

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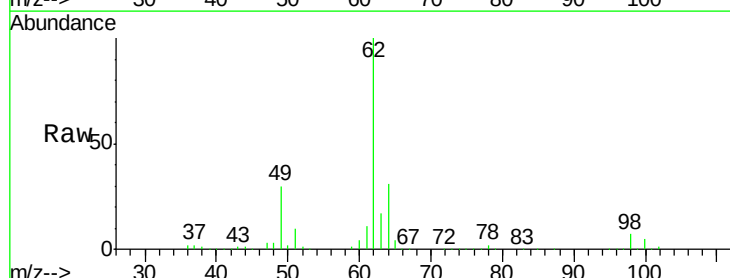


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

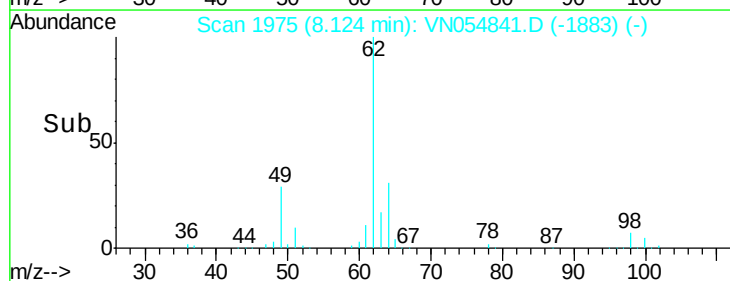
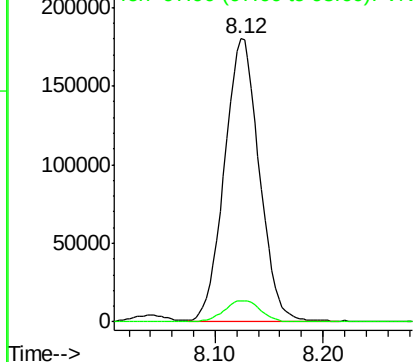


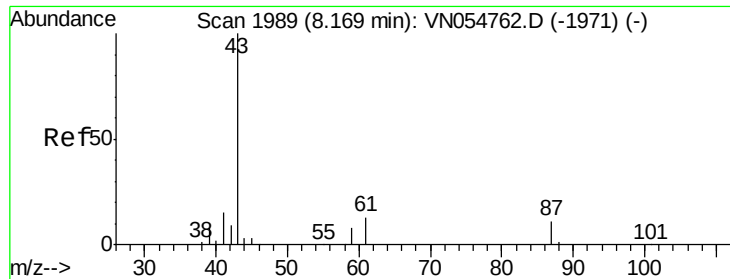
#42
1,2-Dichloroethane
Concen: 53.574 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.4



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





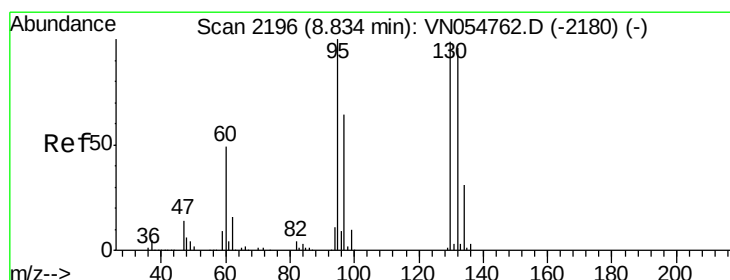
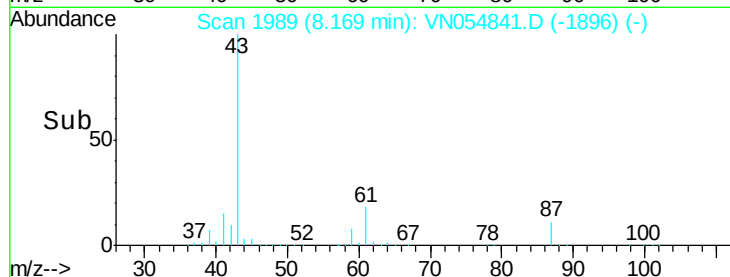
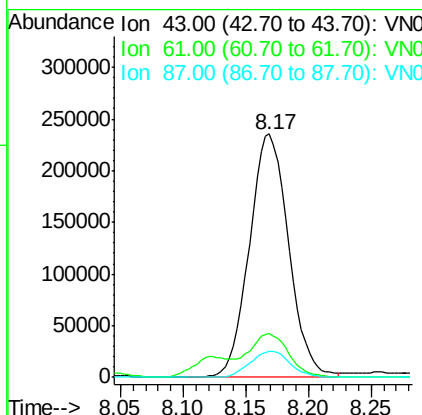
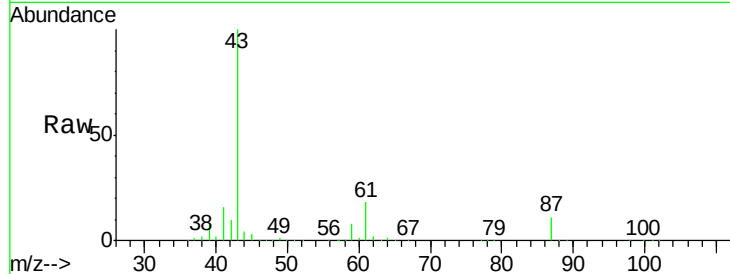
#43
Isopropyl Acetate
Concen: 58.164 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	10.9	12.0	18.0

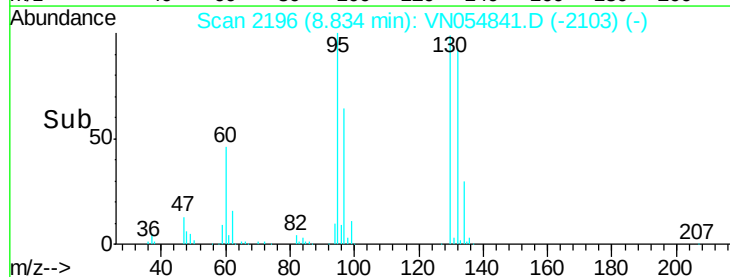
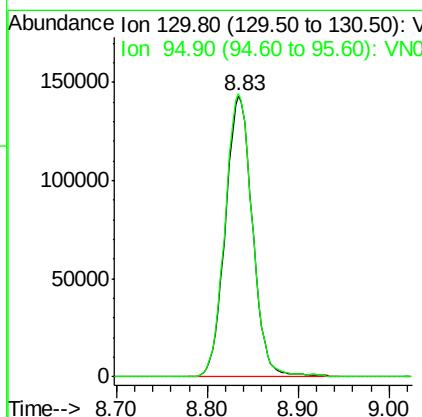
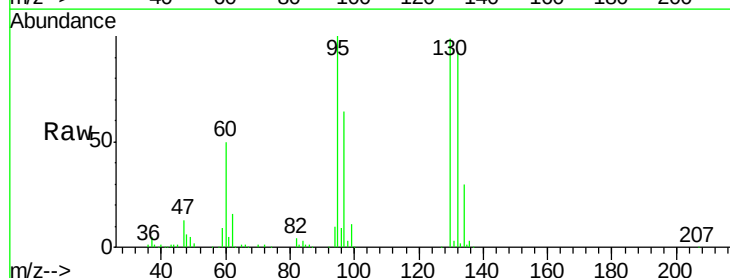
Manual Integrations
APPROVED

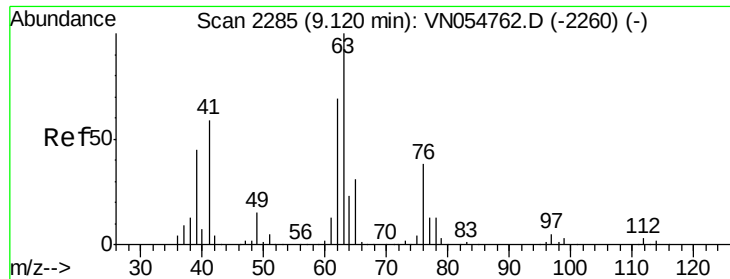
MMDadoda
4/1/2019 12:49:46 PM



#44
Trichloroethene
Concen: 54.142 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	185.2





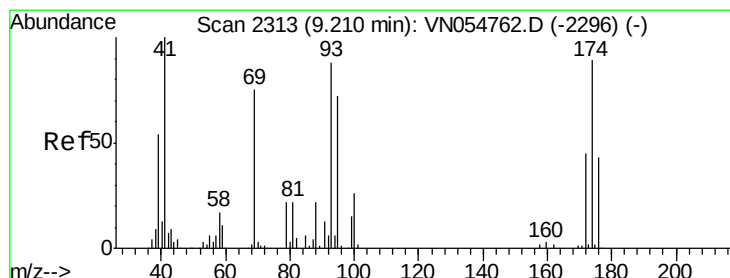
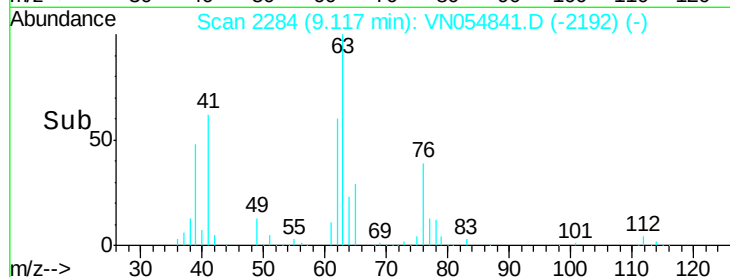
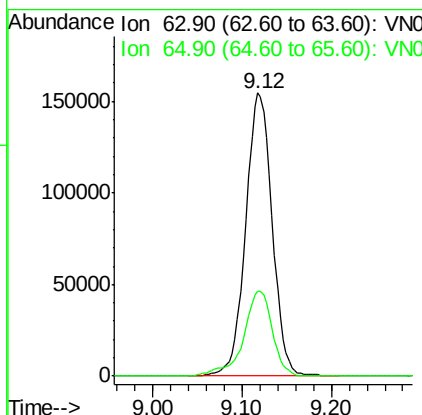
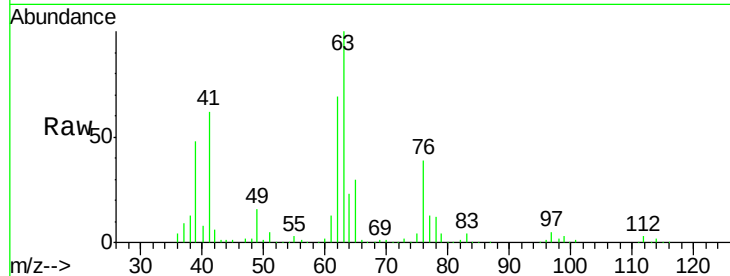
#45
 1,2-Dichloropropane
 Concen: 53.236 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 320670
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

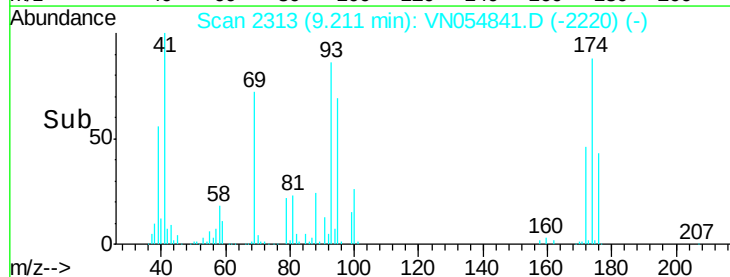
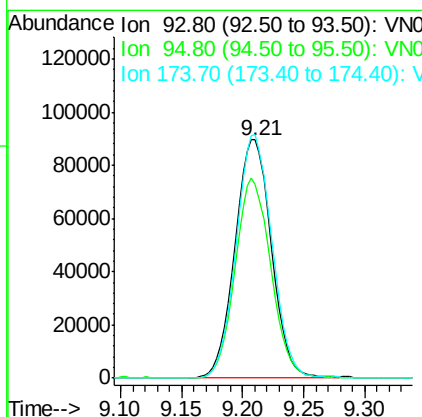
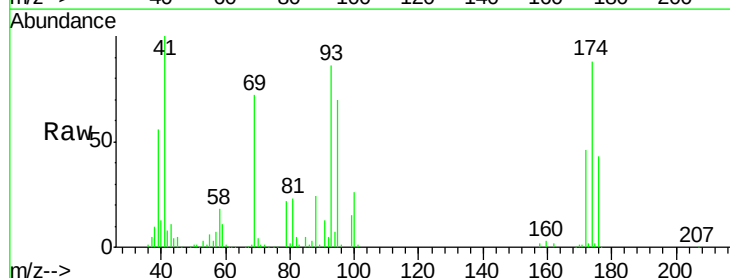
Manual Integrations
 APPROVED

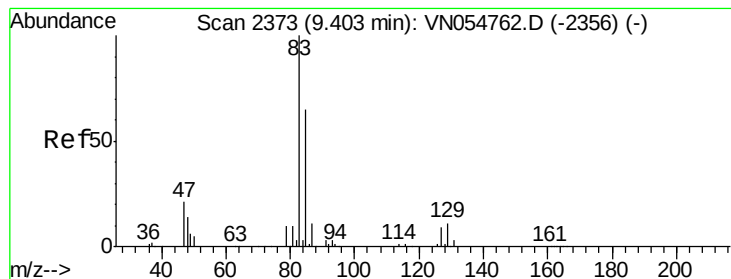
MMDadoda
 4/1/2019 12:49:46 PM



#46
 Dibromomethane
 Concen: 54.641 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion: 93 Resp: 185153
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 100.1 98.5 147.7





#47

Bromodichloromethane

Concen: 56.220 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

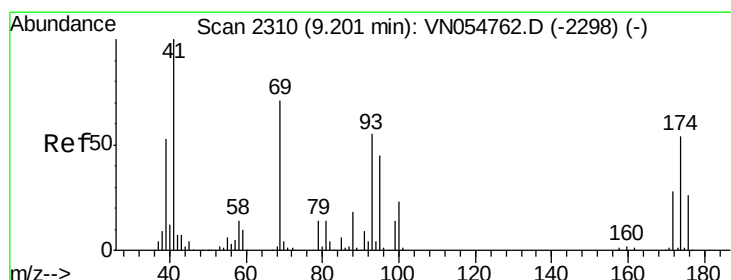
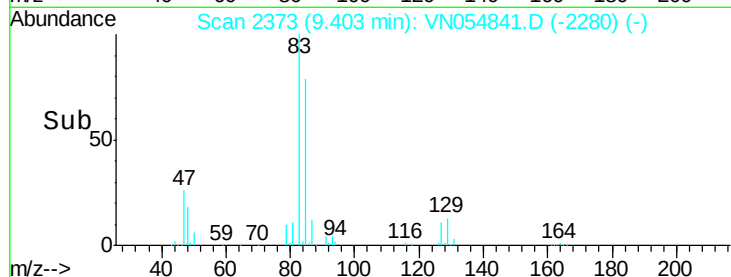
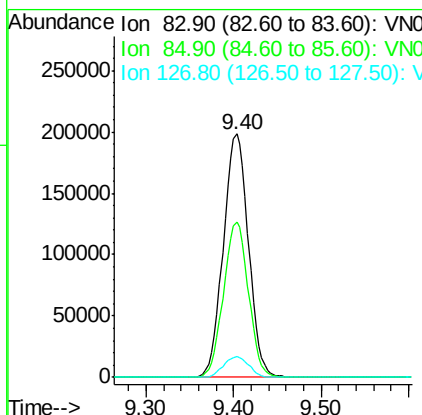
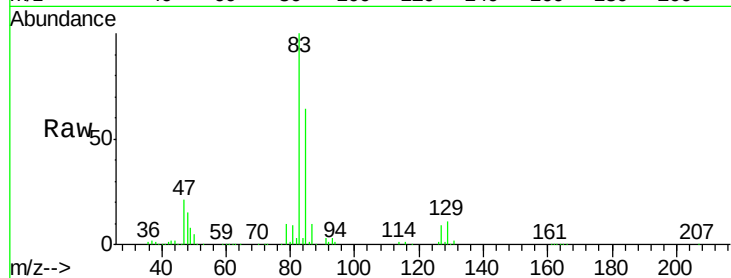
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	395917
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.8	79.2
127	8.5	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 12:49:46 PM



#48

Methyl methacrylate

Concen: 54.650 ug/l

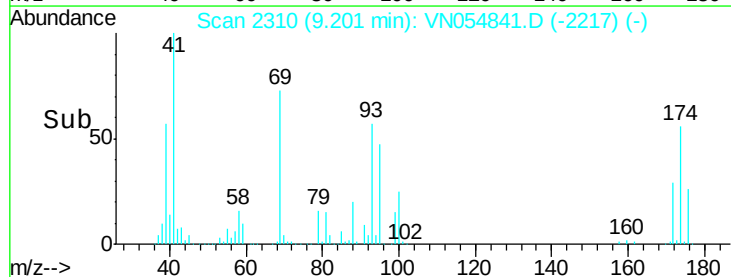
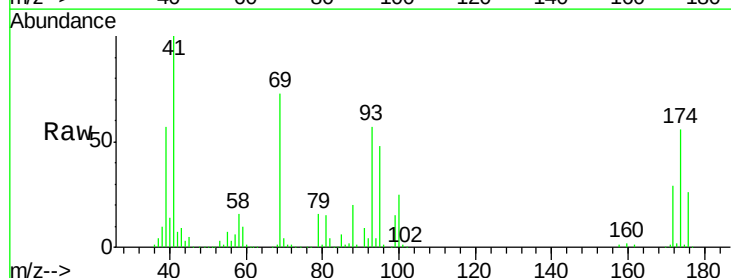
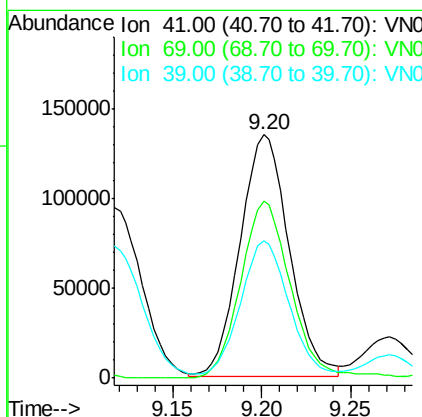
RT: 9.20 min Scan# 2310

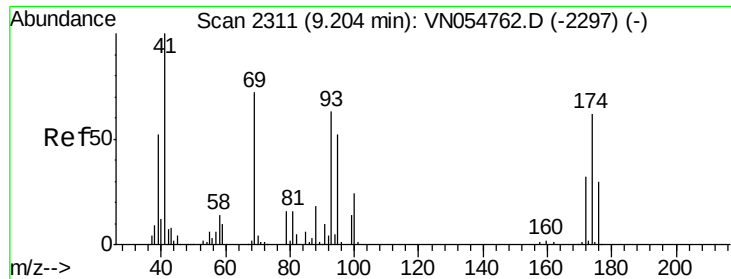
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	41	Resp:	260604
Ion Ratio	Lower	Upper	
41	100		
69	74.7	72.6	108.8
39	56.2	47.5	71.3





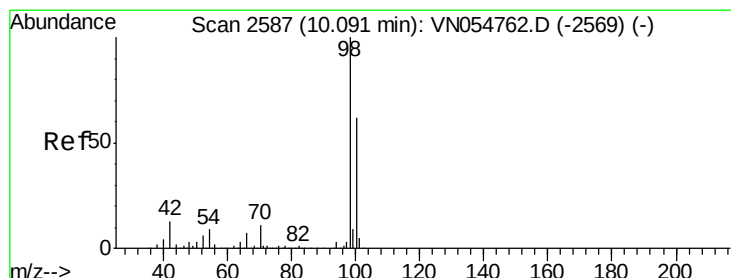
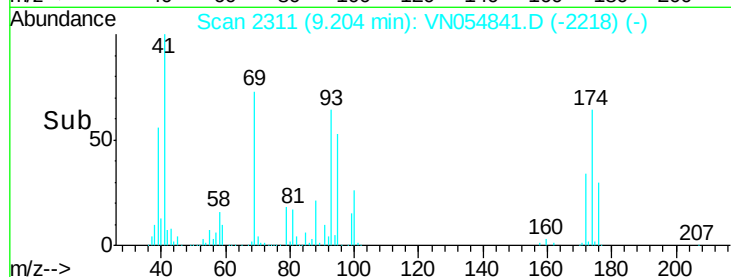
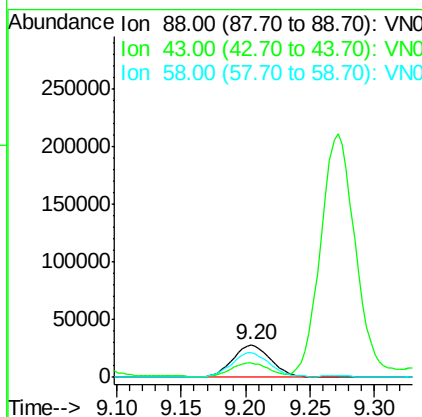
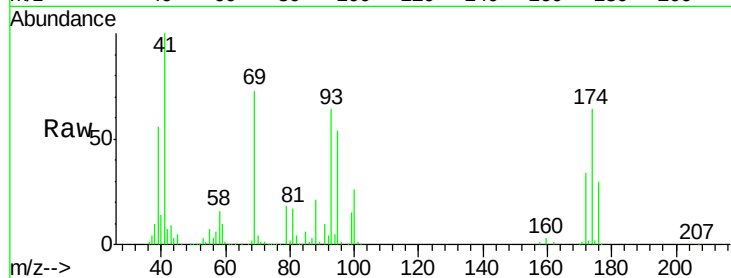
#49
1,4-Dioxane
Concen: 1231.986 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 88 Resp: 58292
Ion Ratio Lower Upper
88 100
43 41.1 24.1 36.1#
58 76.6 50.8 76.2#

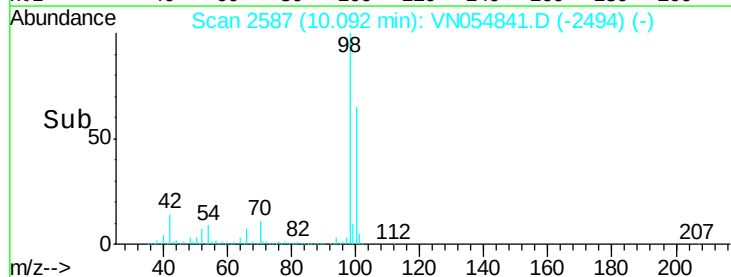
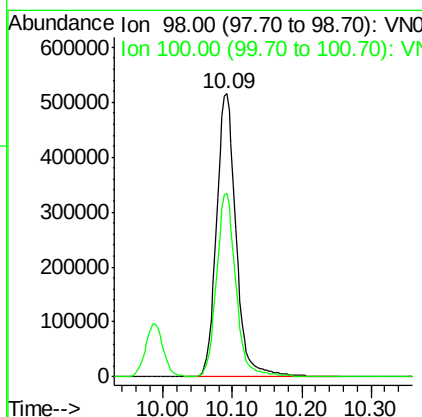
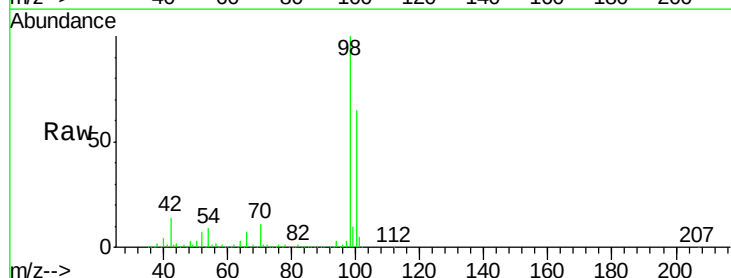
Manual Integrations
APPROVED

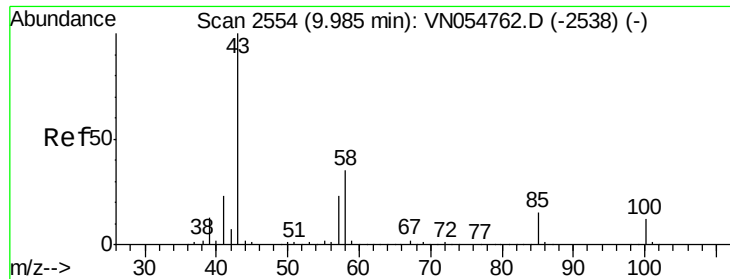
MMDadoda
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#50
Toluene-d8
Concen: 51.383 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 98 Resp: 1009070
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 299.603 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1481801

Ion Ratio Lower Upper

43 100

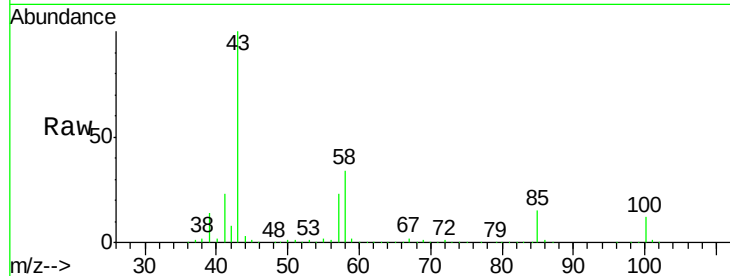
58 35.0 31.8 47.6

Manual Integrations

APPROVED

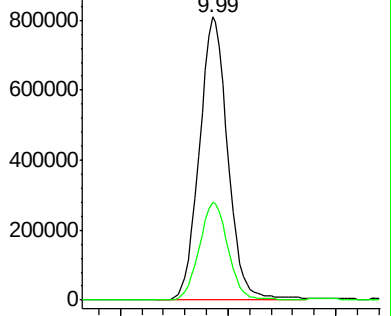
MMDadoda

4/1/2019 12:49:46 PM

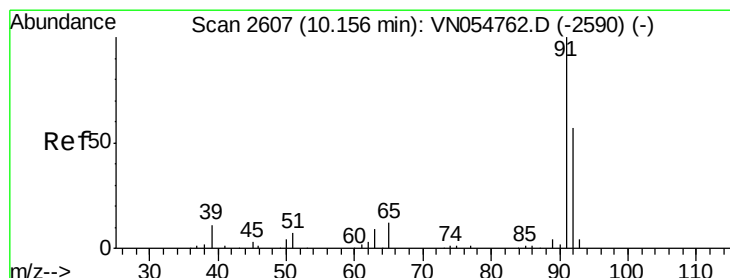
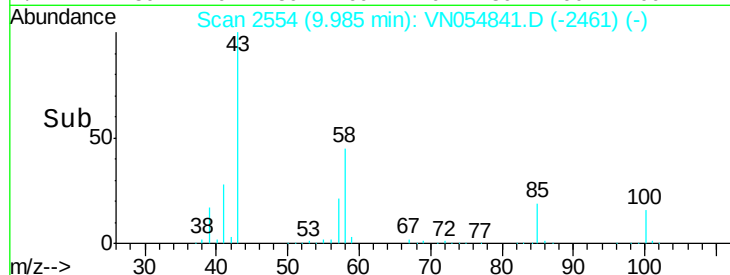


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 54.871 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054841.D

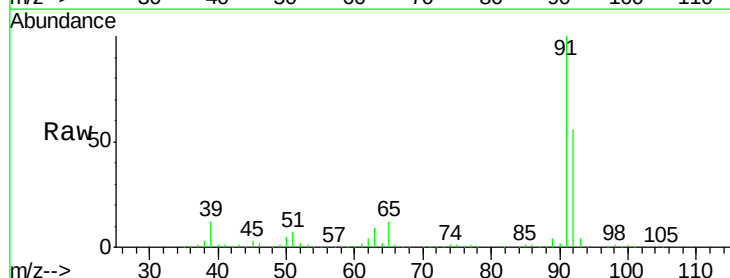
Acq: 31 Mar 2019 10:43

Tgt Ion: 92 Resp: 689747

Ion Ratio Lower Upper

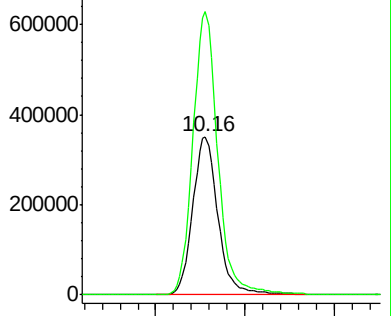
92 100

91 176.8 140.7 211.1

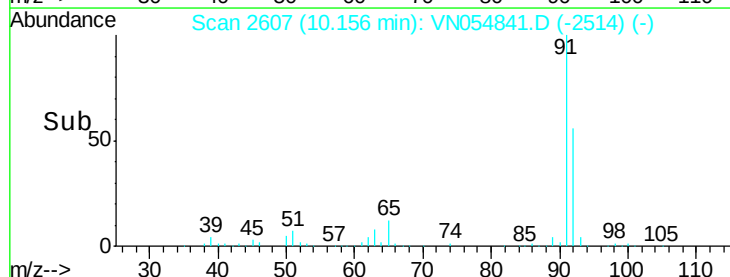


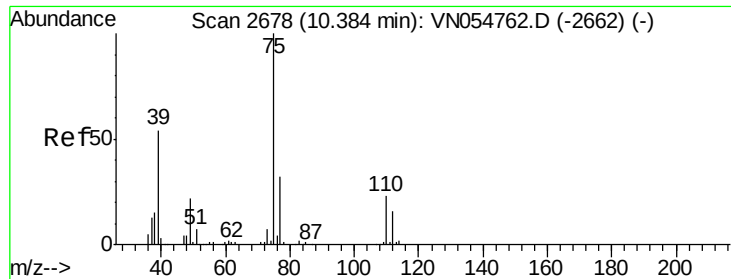
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





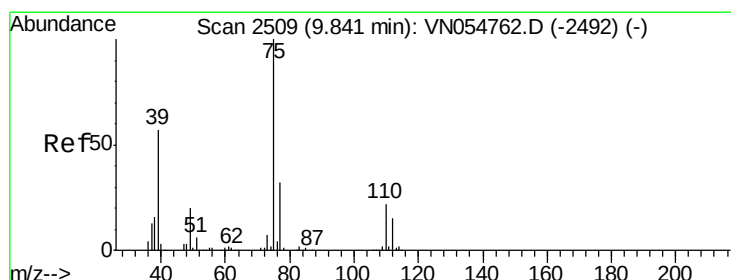
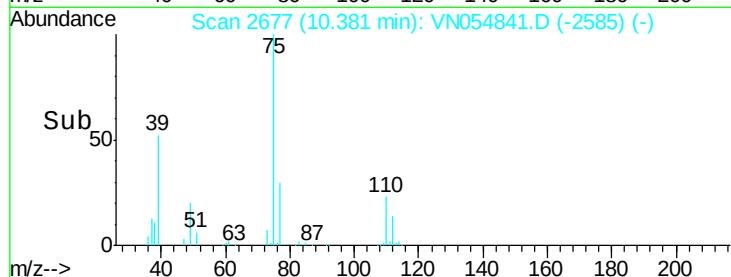
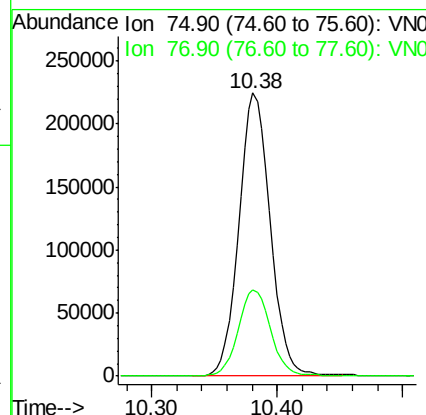
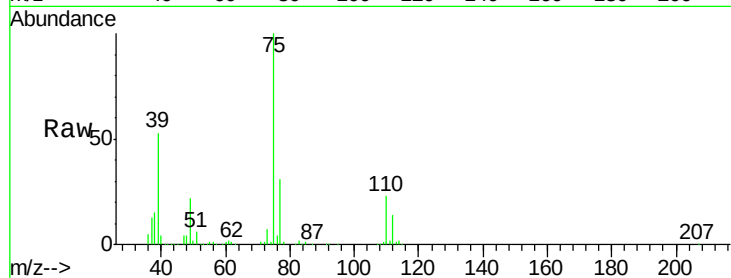
#53
t-1,3-Dichloropropene
Concen: 58.830 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 389722
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.8

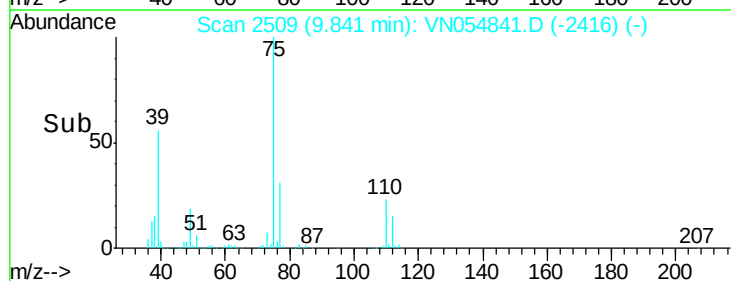
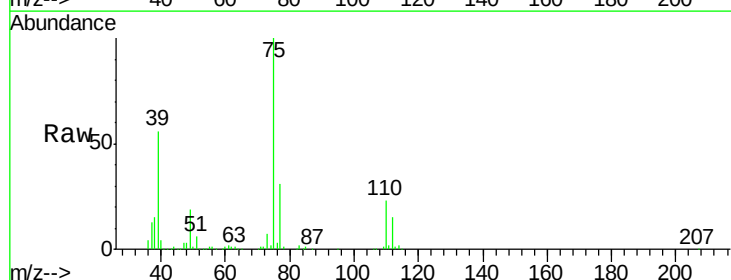
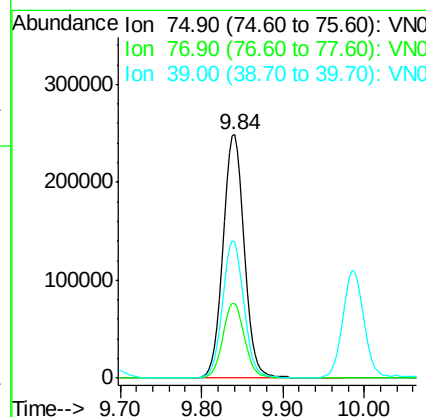
Manual Integrations
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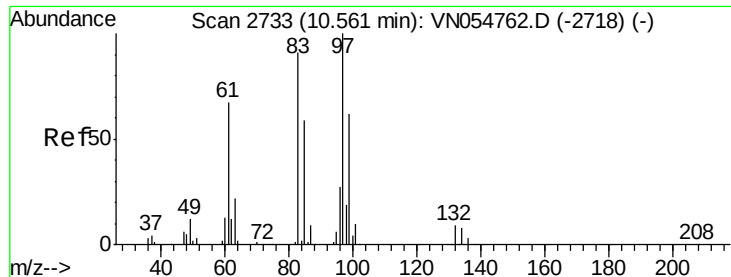
MMDadoda
4/1/2019 12:49:46 PM



#54
cis-1,3-Dichloropropene
Concen: 58.460 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 75 Resp: 462614
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0
39 55.6 37.2 55.8





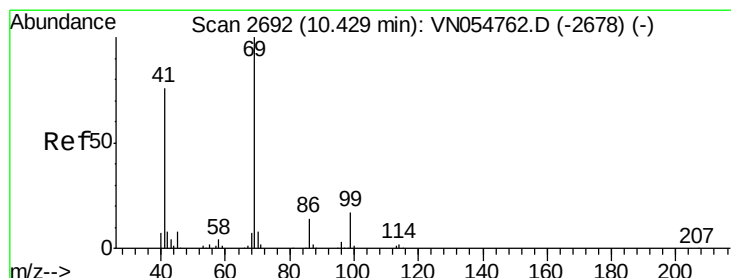
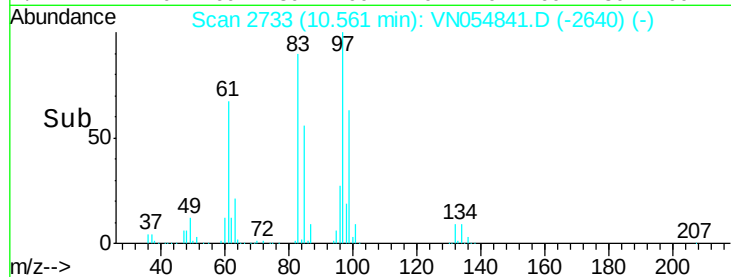
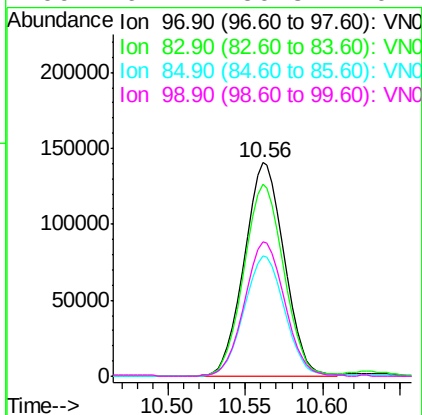
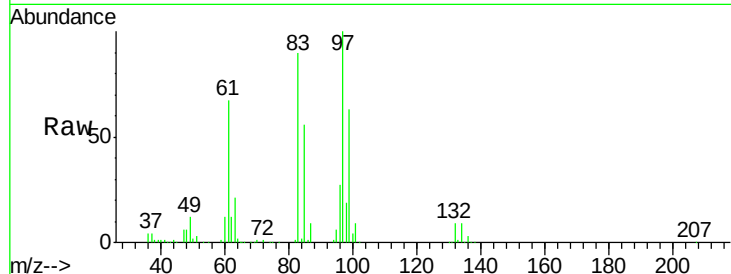
#55
 1,1,2-Trichloroethane
 Concen: 54.309 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	253845		
83	89.6	66.6	100.0	
85	56.1	44.4	66.6	
99	62.7	50.8	76.2	

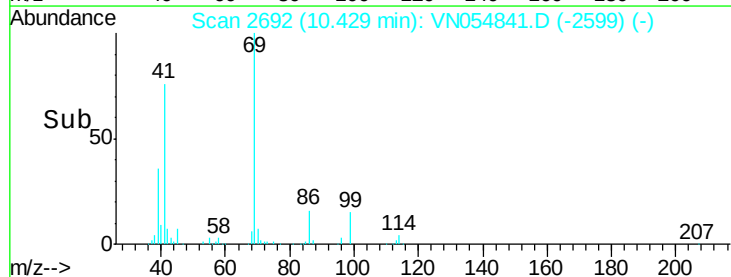
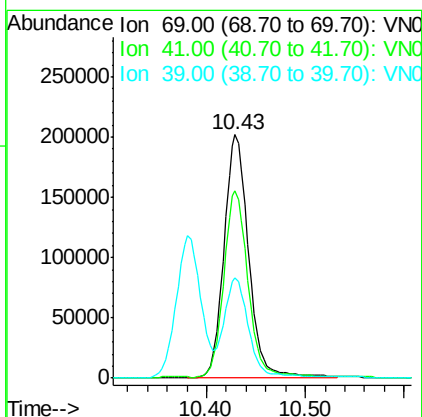
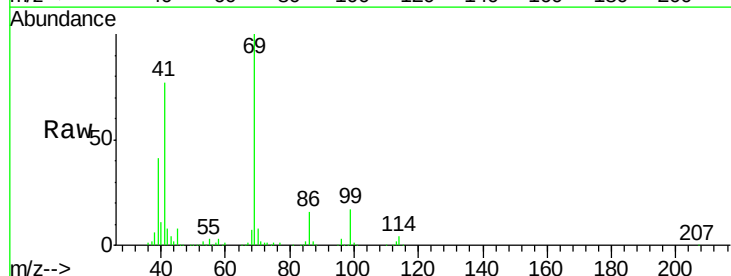
Manual Integrations
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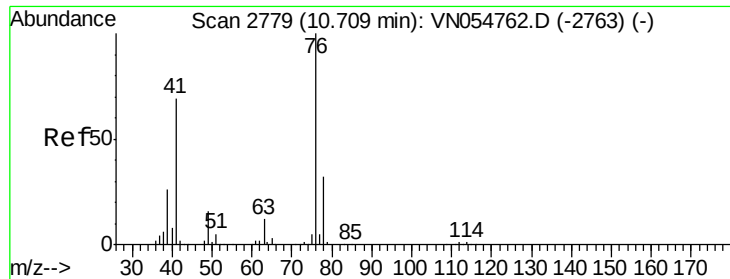
MMDadoda
 4/1/2019 12:49:46 PM



#56
 Ethyl methacrylate
 Concen: 58.077 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	356095		
41	74.7	49.4	74.2#	
39	39.9	28.3	42.5	





#57

1,3-Dichloropropane

Concen: 55.007 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 76 Resp: 442020

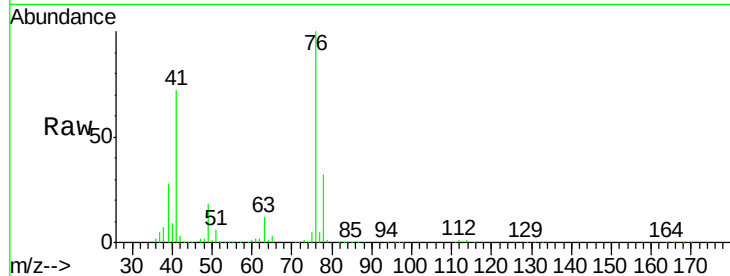
Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

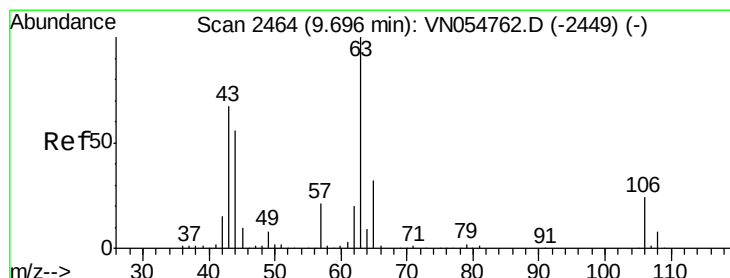
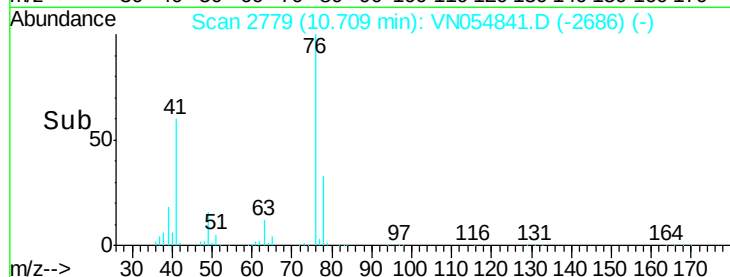
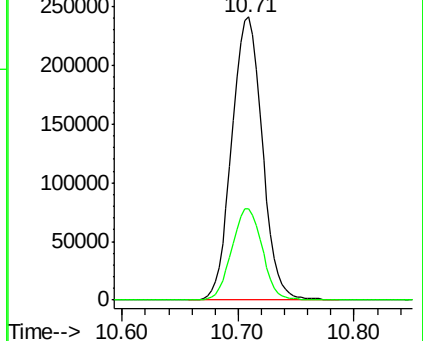
Manual Integrations
APPROVED

MMDadoda
4/1/2019 12:49:46 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 235.510 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054841.D

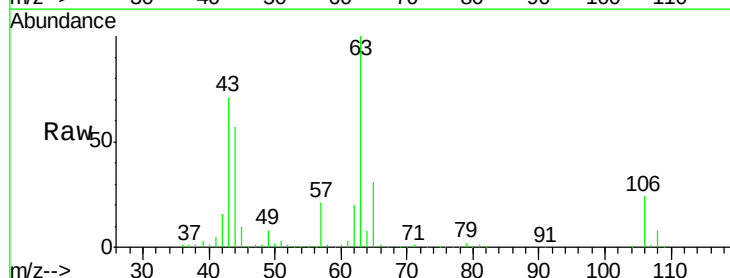
Acq: 31 Mar 2019 10:43

Tgt Ion: 63 Resp: 620369

Ion Ratio Lower Upper

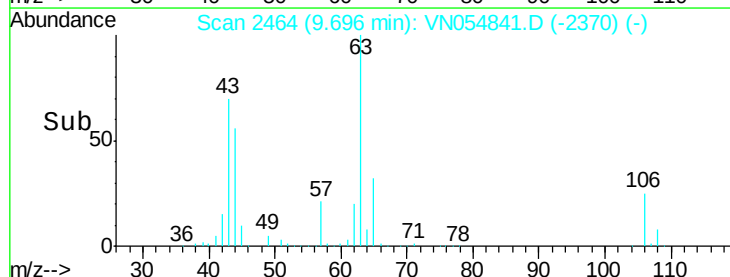
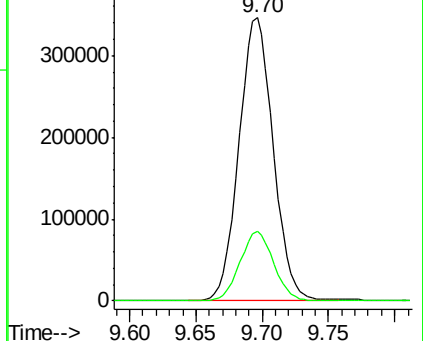
63 100

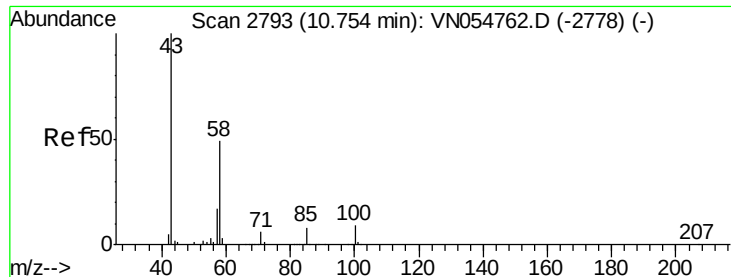
106 24.2 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





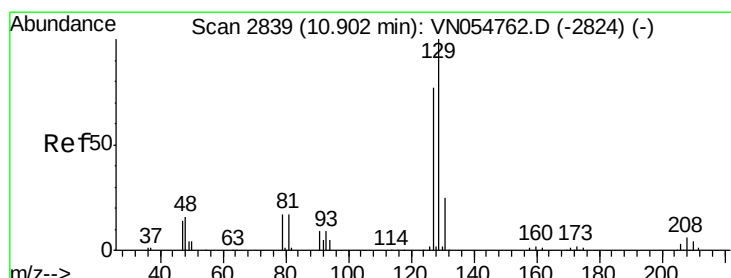
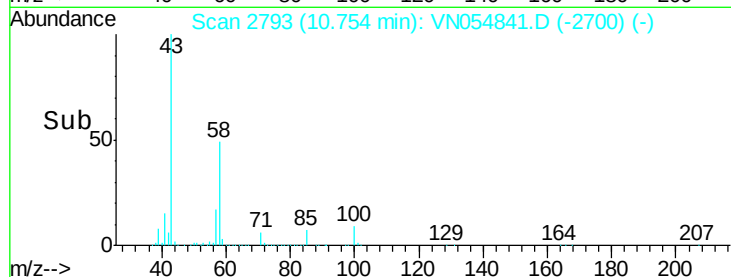
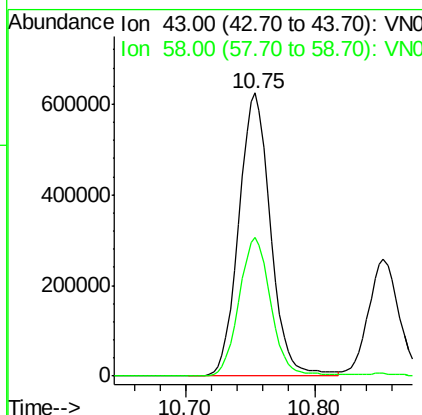
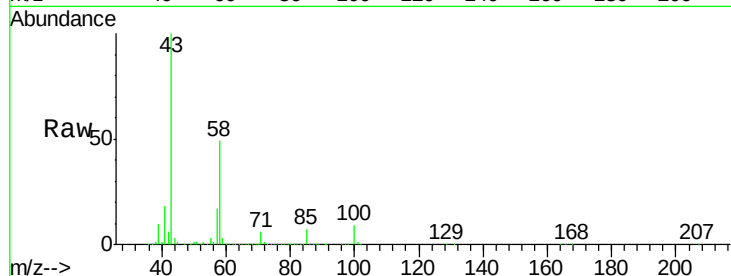
#59
2-Hexanone
Concen: 336.760 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1066236
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

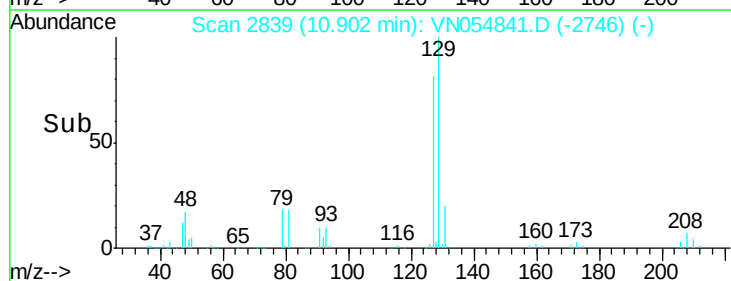
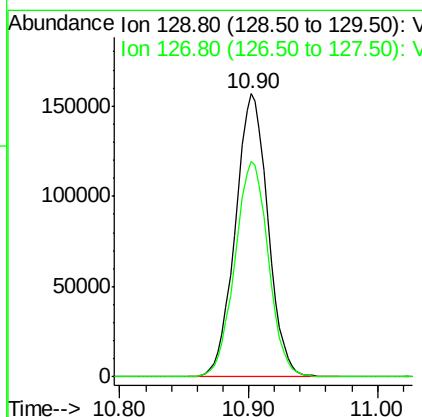
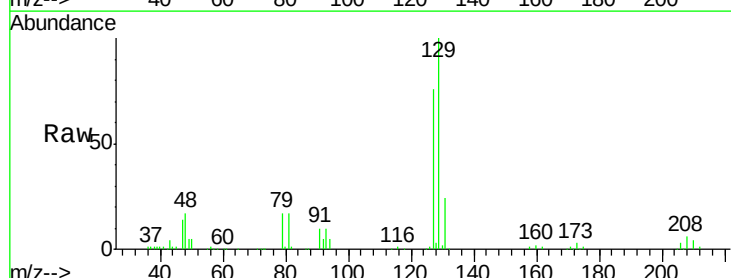
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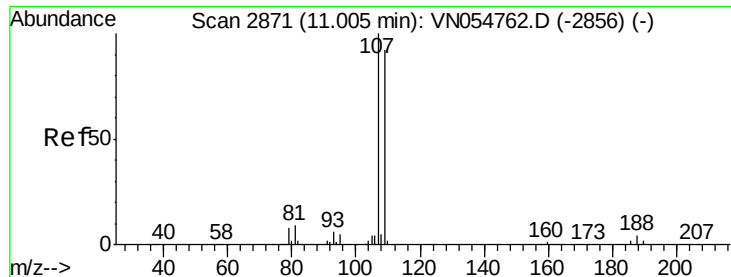
MMDadoda
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#60
Dibromochloromethane
Concen: 58.257 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 129 Resp: 275830
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





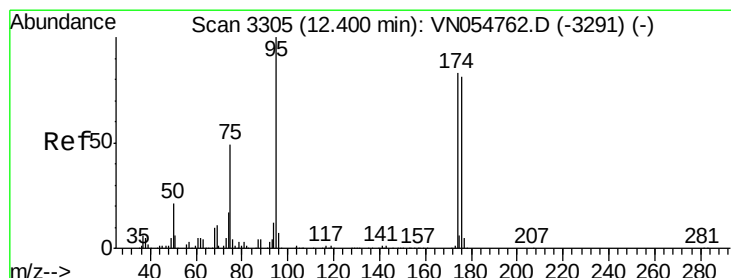
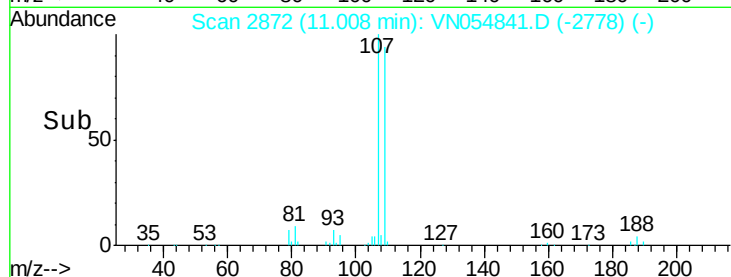
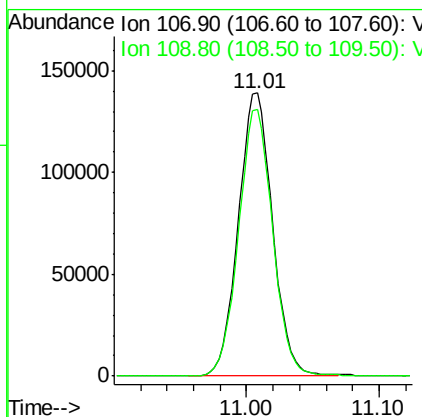
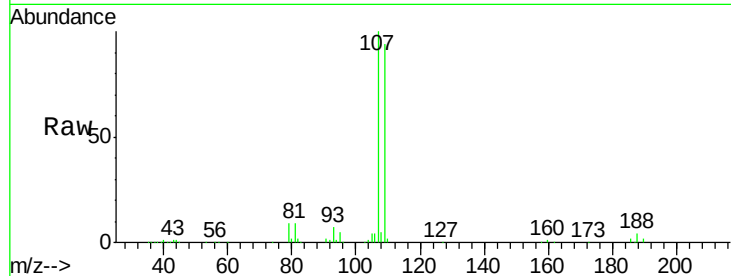
#61
 1,2-Dibromoethane
 Concen: 55.674 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 248684
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.9 113.9

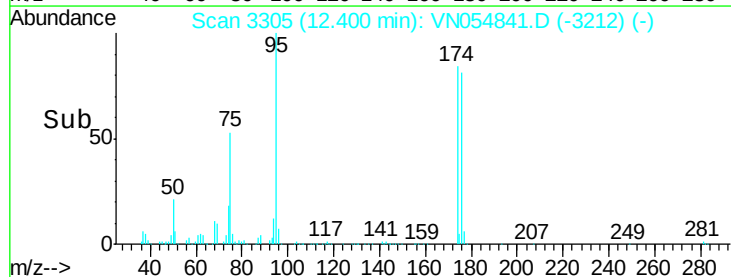
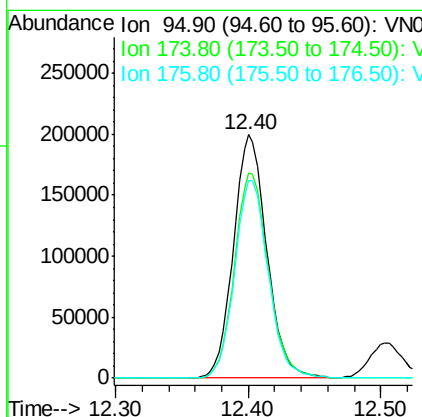
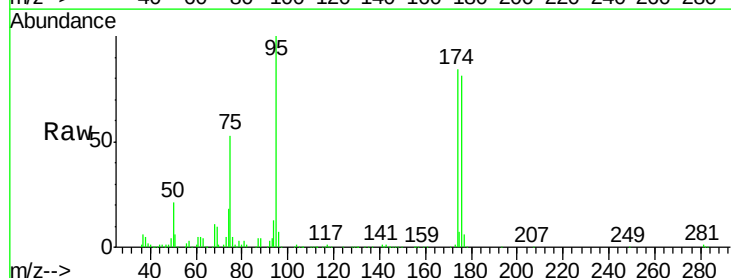
Manual Integrations
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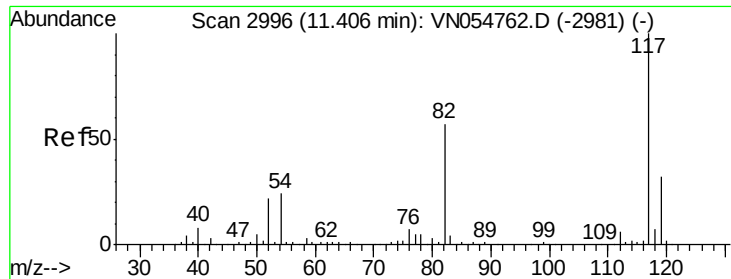
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 4/1/2019 12:49:46 PM



#62
 4-Bromofluorobenzene
 Concen: 53.315 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion: 95 Resp: 348210
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 191.0
 176 82.1 0.0 187.4





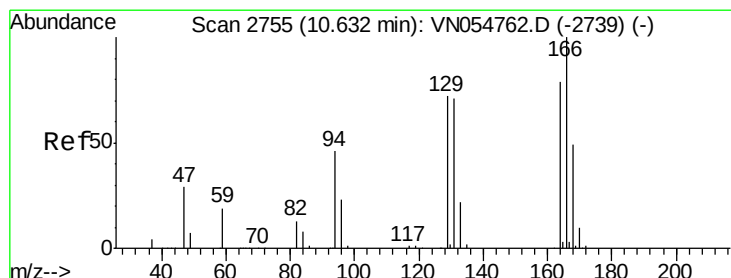
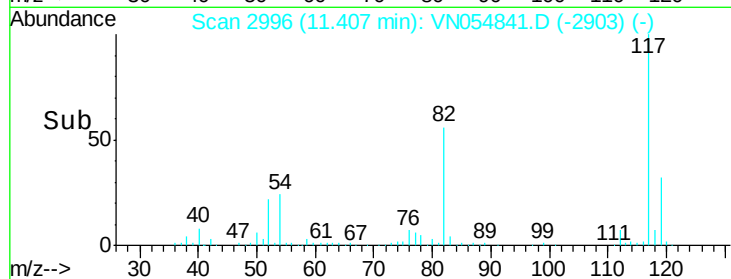
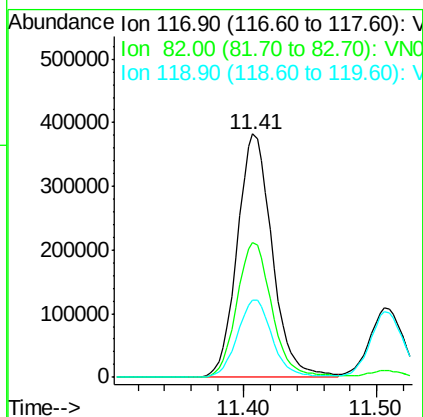
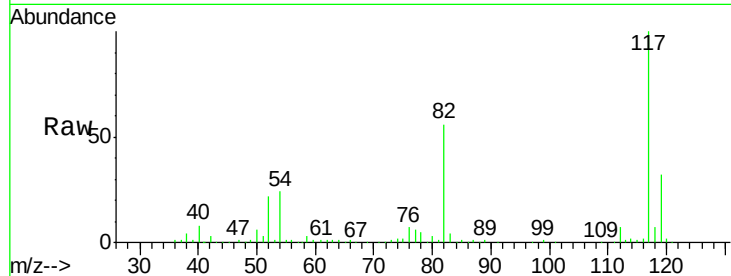
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:117 Resp: 699667
Ion Ratio Lower Upper
117 100
82 55.5 40.0 60.0
119 31.8 25.8 38.6

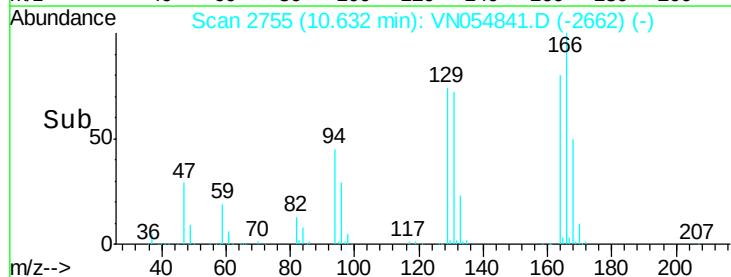
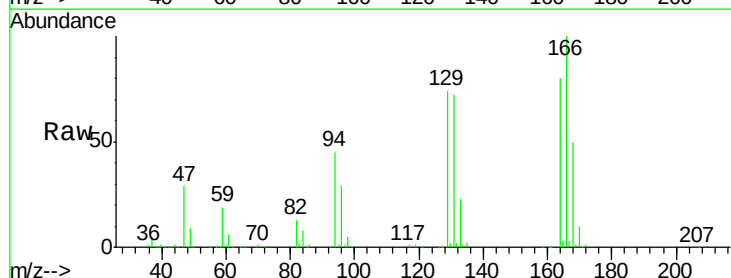
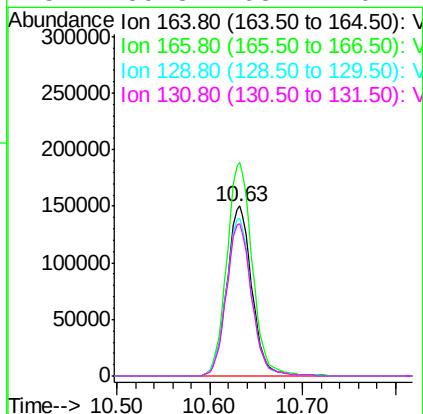
Manual Integrations
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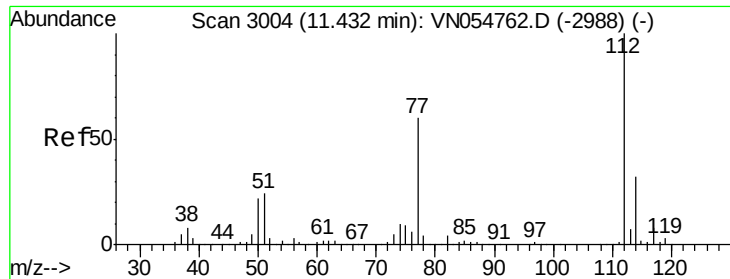
MMDadoda
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#64
Tetrachloroethene
Concen: 52.357 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion:164 Resp: 281108
Ion Ratio Lower Upper
164 100
166 125.8 103.9 155.9
129 92.6 71.1 106.7
131 89.8 68.2 102.4





#65

Chlorobenzene

Concen: 53.177 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion:112 Resp: 728457

Ion Ratio Lower Upper

112 100

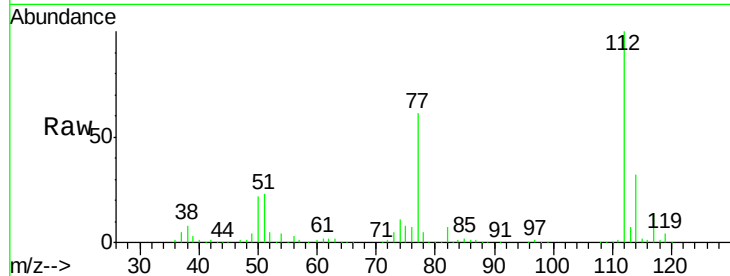
114 32.1 25.9 38.9

Manual Integrations

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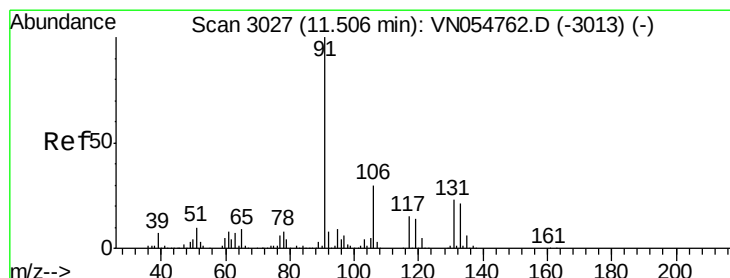
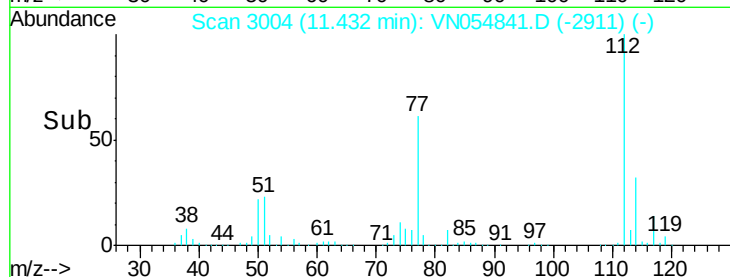
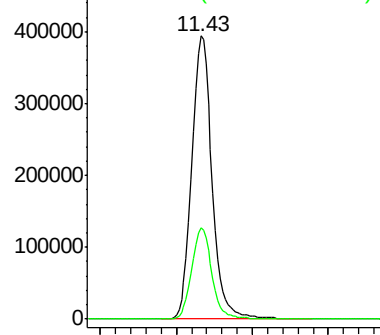
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.435 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

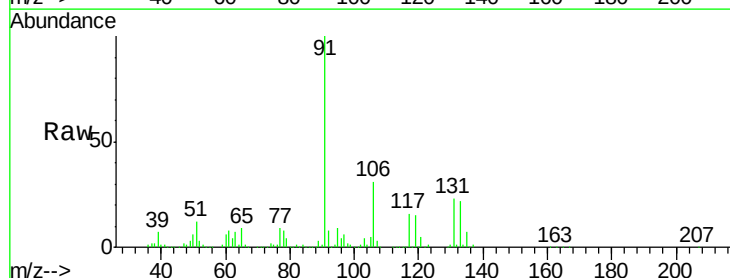
Tgt Ion:131 Resp: 279110

Ion Ratio Lower Upper

131 100

133 94.5 47.6 142.9

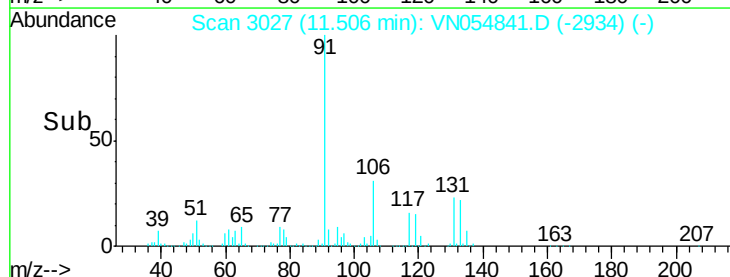
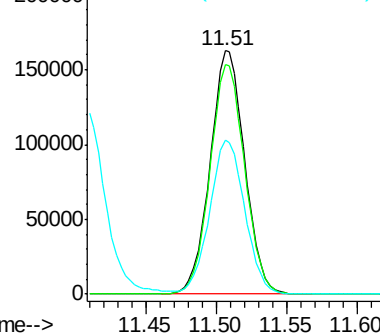
119 64.5 32.4 97.0

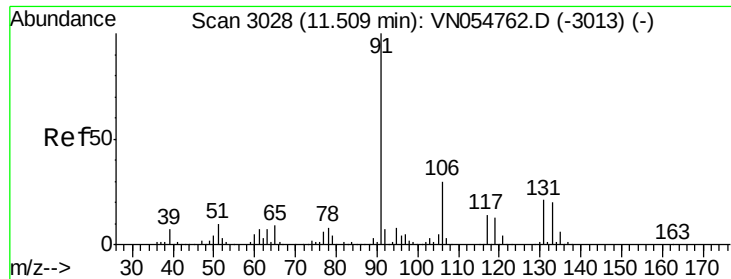


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





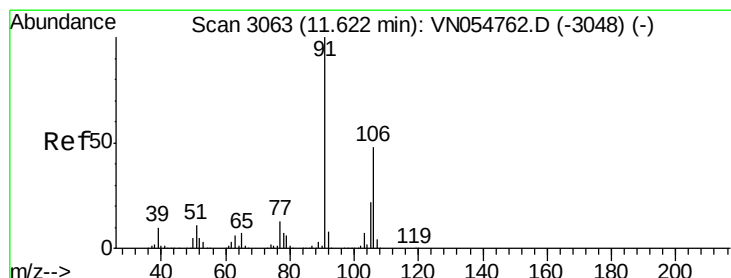
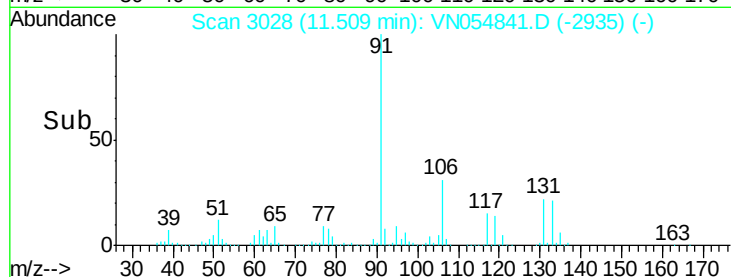
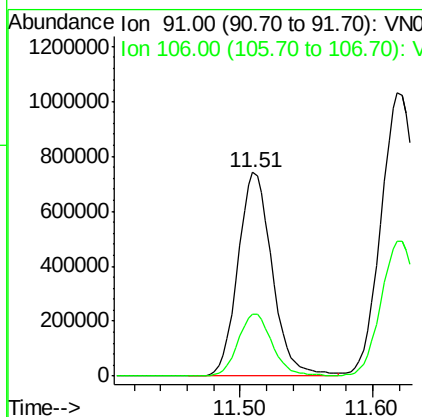
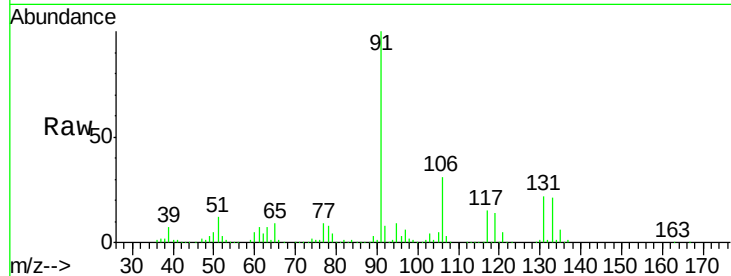
#67
Ethyl Benzene
Concen: 53.953 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1333725
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

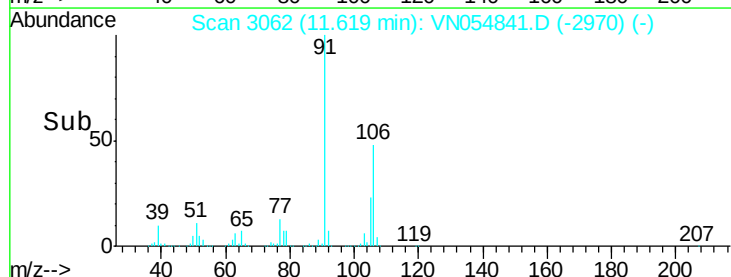
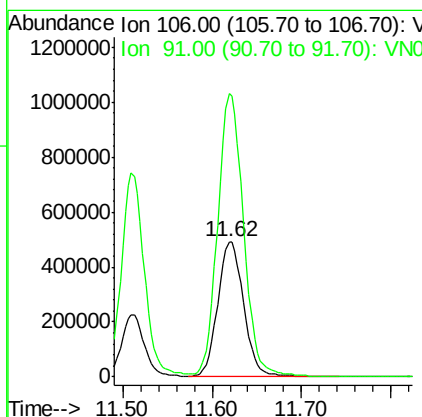
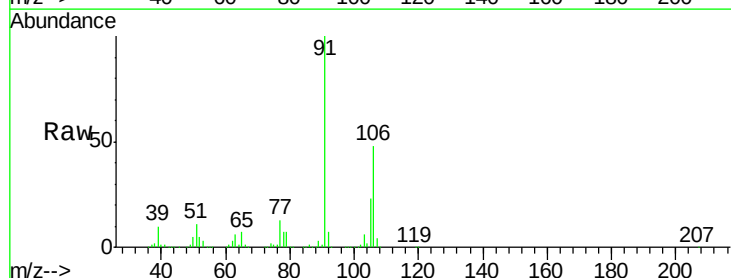
Manual Integrations
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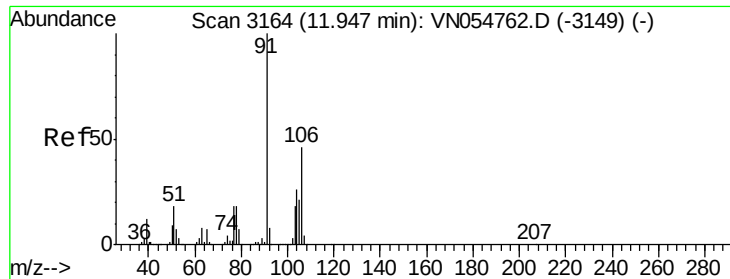
MMDadoda
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#68
m/p-Xylenes
Concen: 108.788 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion: 106 Resp: 995195
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2





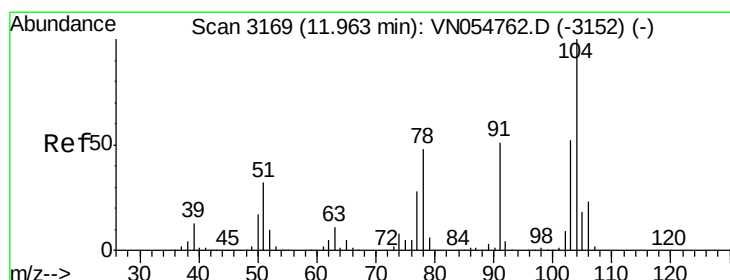
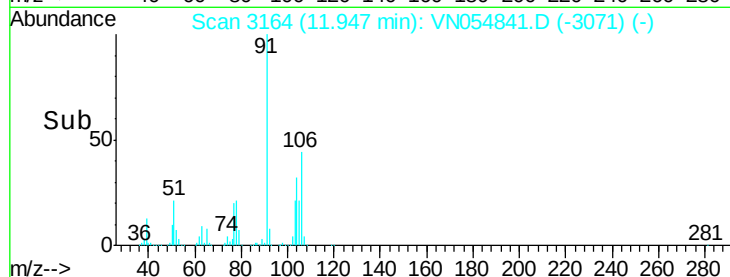
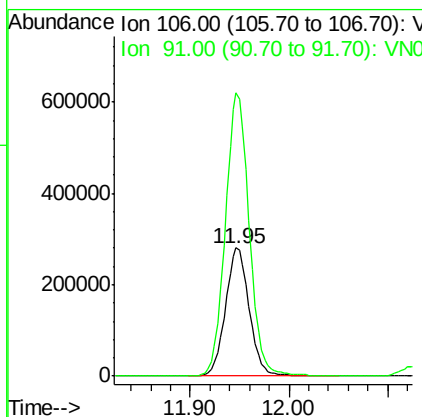
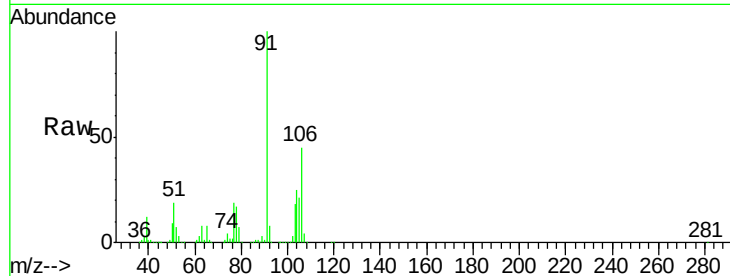
#69
o-Xylene
Concen: 52.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 474127
Ion Ratio Lower Upper
106 100
91 221.8 105.7 317.1

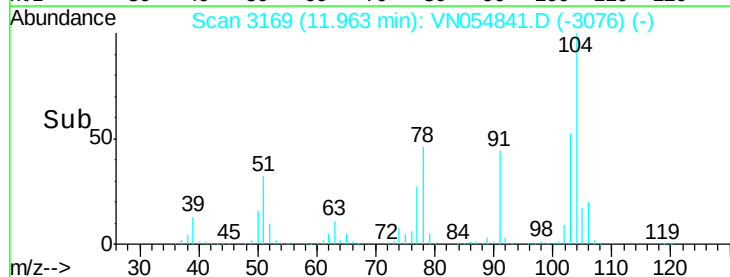
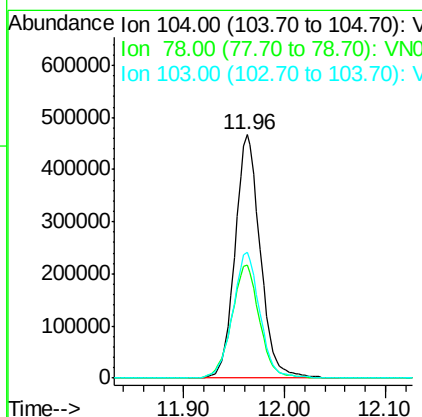
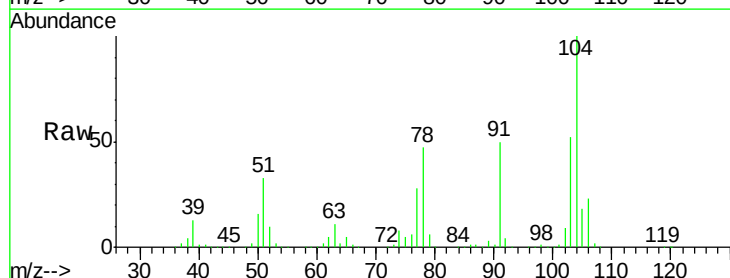
Manual Integrations
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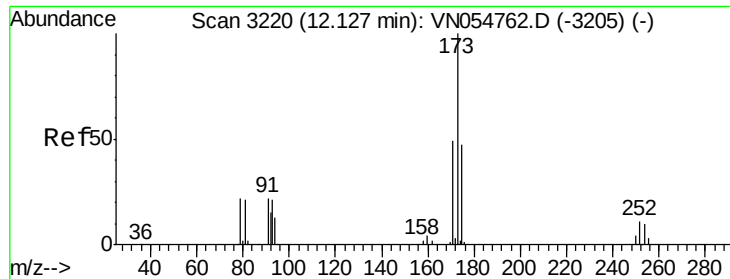
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#70
Styrene
Concen: 56.652 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion:104 Resp: 812567
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 58.166 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 174720
Ion Ratio Lower Upper

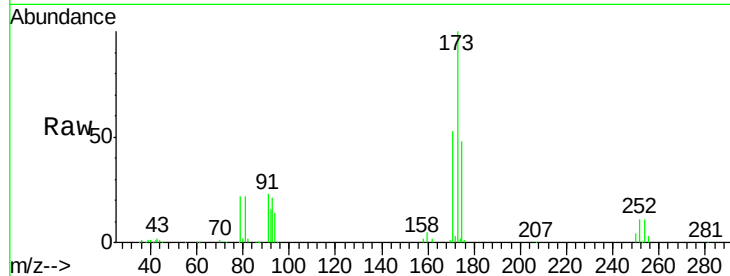
173 100

175 47.4 24.4 73.2

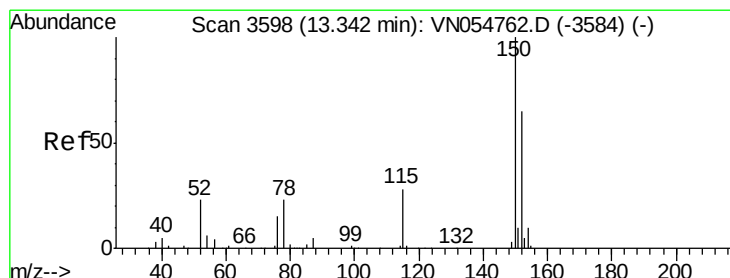
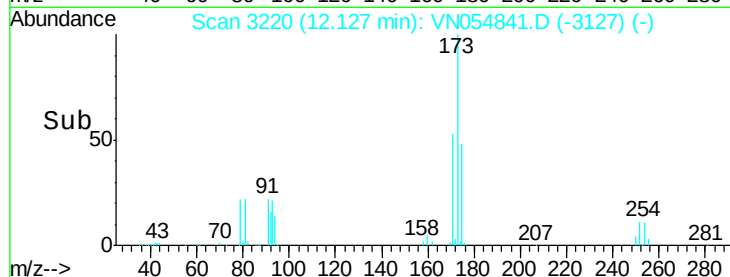
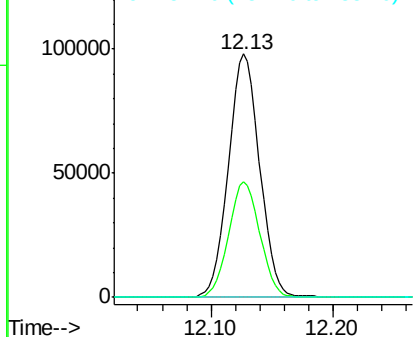
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054841.D

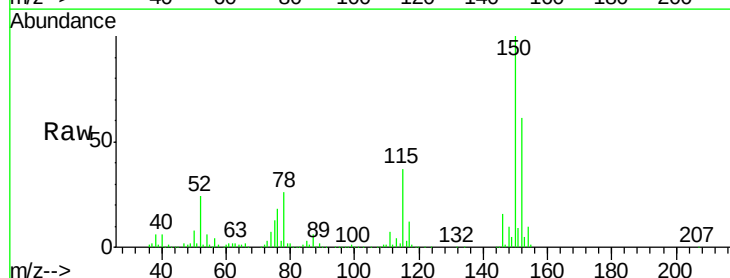
Acq: 31 Mar 2019 10:43

Tgt Ion:152 Resp: 319346
Ion Ratio Lower Upper

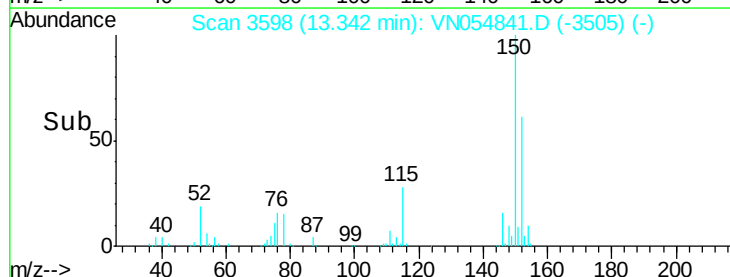
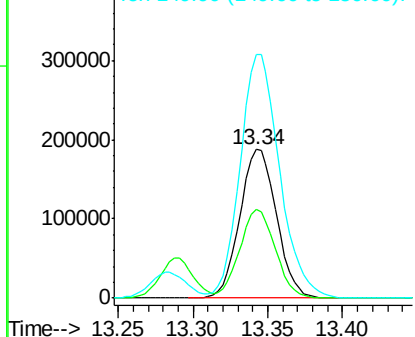
152 100

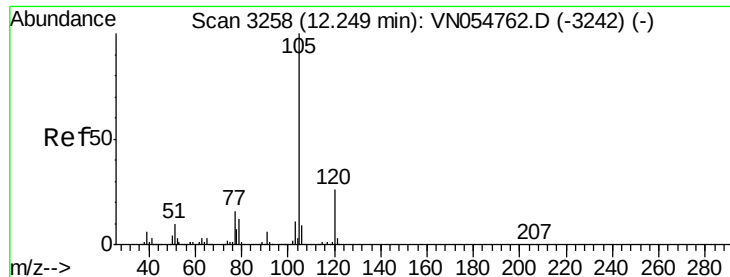
115 58.5 27.2 81.6

150 176.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 49.079 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 105 Resp: 1281063

Ion Ratio Lower Upper

105 100

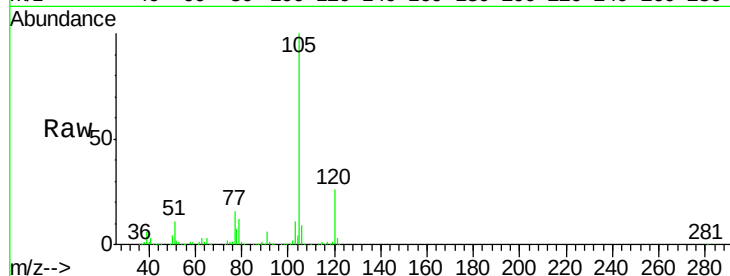
120 26.0 13.8 41.3

Manual Integrations

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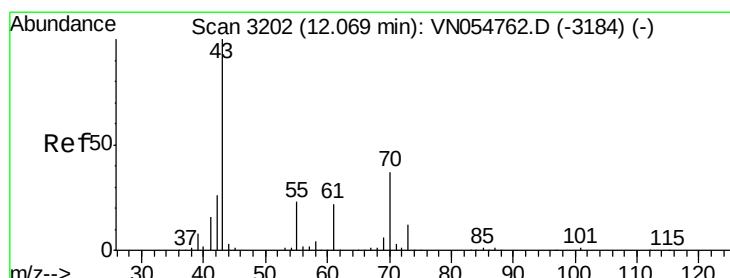
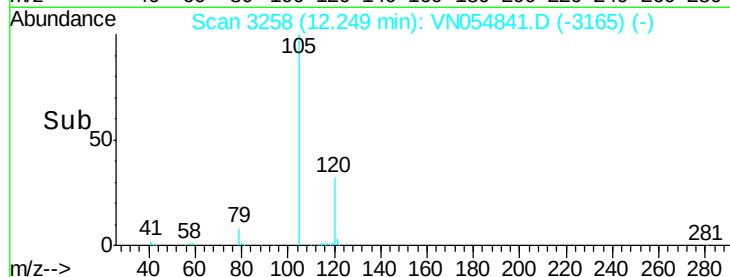
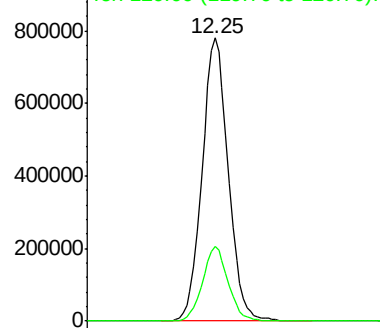
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.056 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion: 43 Resp: 431447

Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.3 19.8 29.6

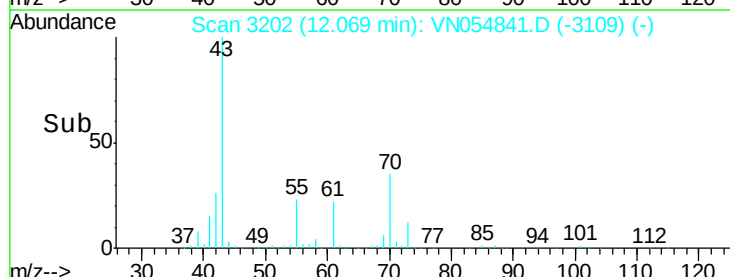
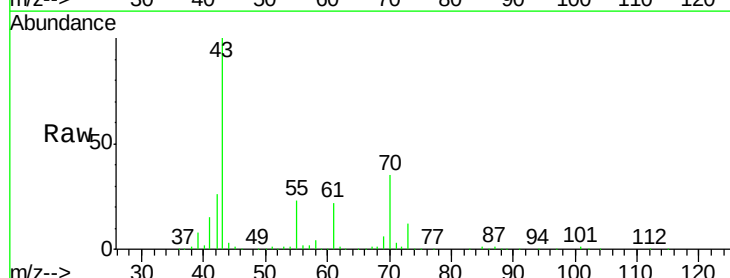
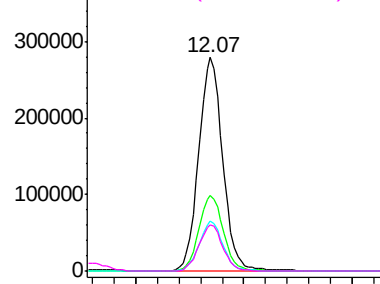
61 21.6 19.8 29.6

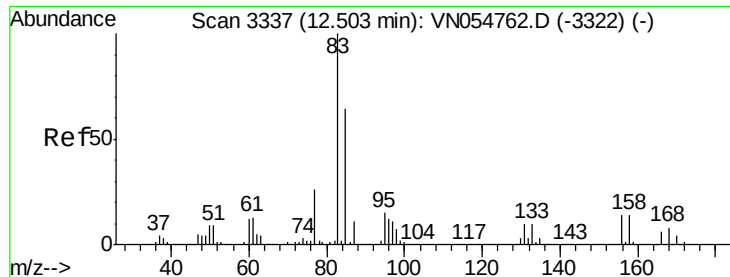
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.017 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

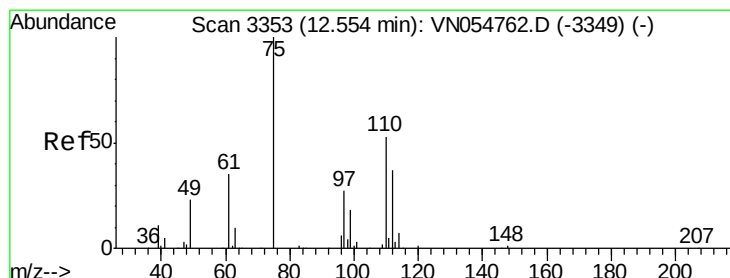
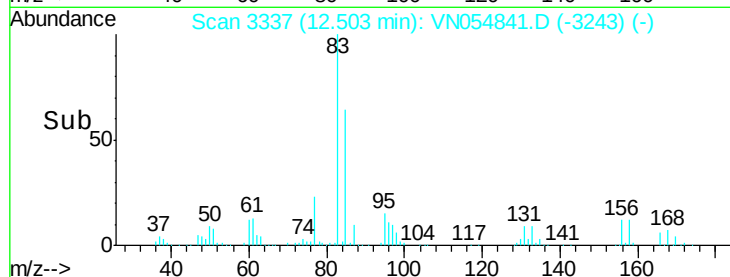
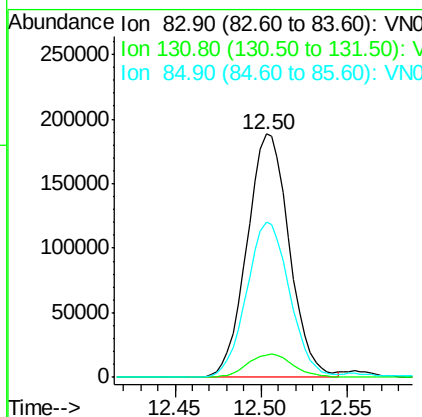
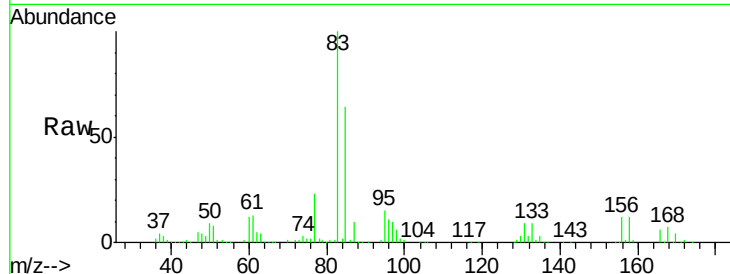
ClientSampled :

VSTDCCC050

Tgt Ion:	83	Resp:	321141
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.8	17.4
85	65.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.740 ug/l m

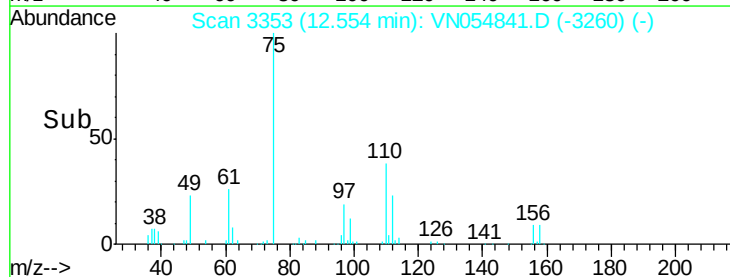
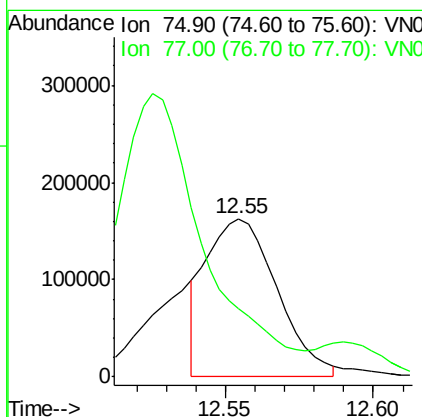
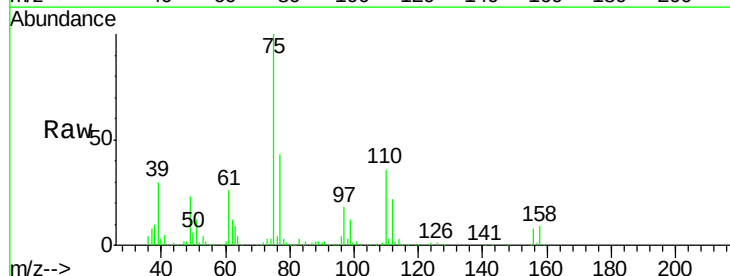
RT: 12.55 min Scan# 3353

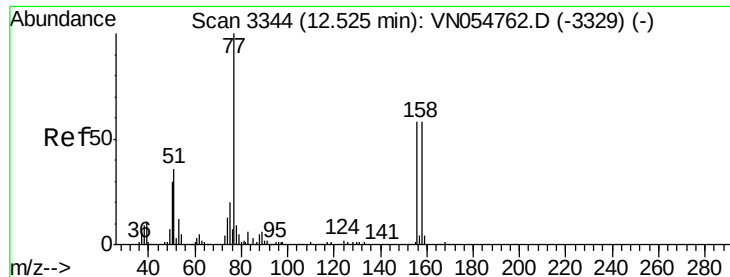
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	75	Resp:	270401
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.786 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

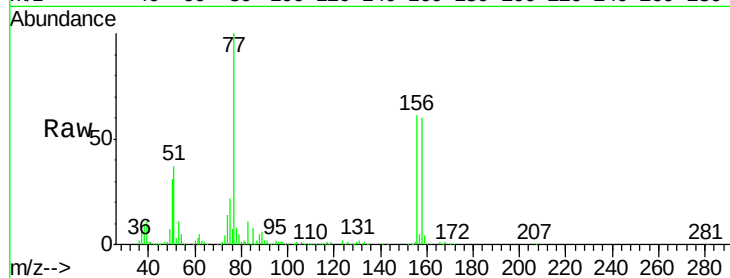
ClientSampleId :

VSTDCCC050

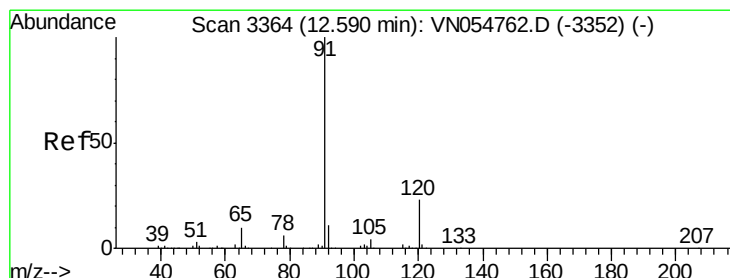
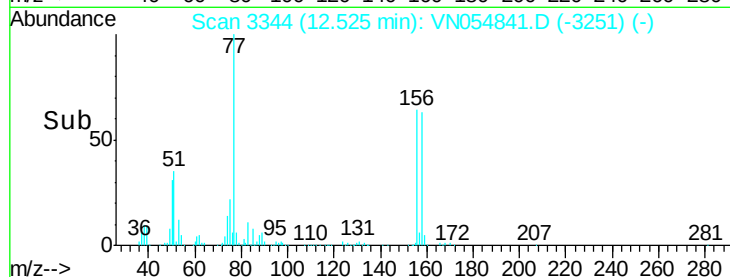
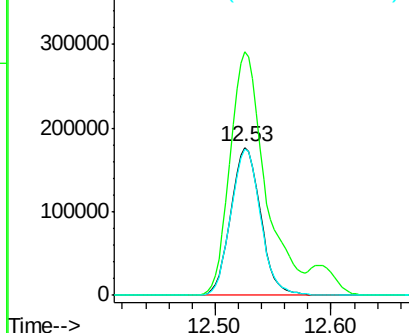
Tgt Ion:	156	Resp:	313634
Ion Ratio	Lower	Upper	
156	100		
77	194.4	81.5	244.4
158	98.8	49.0	147.2

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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: 50.804 ug/l

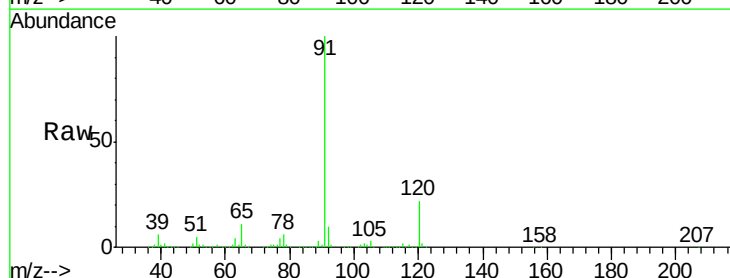
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

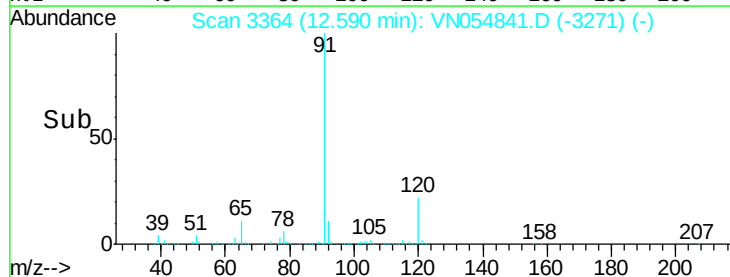
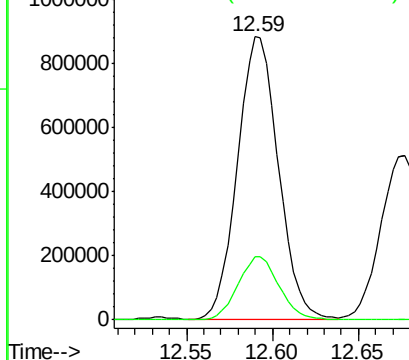
Lab File: VN054841.D

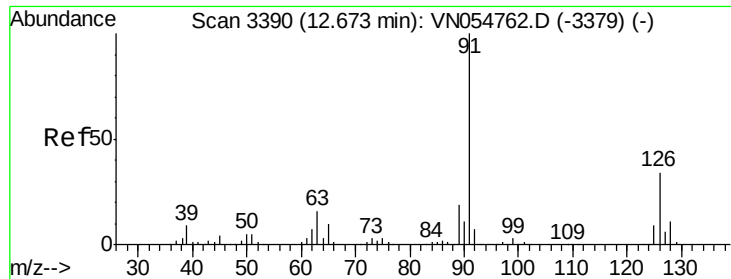
Acq: 31 Mar 2019 10:43

Tgt Ion:	91	Resp:	1457509
Ion Ratio	Lower	Upper	
91	100		
120	22.5	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: 49.227 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 873730

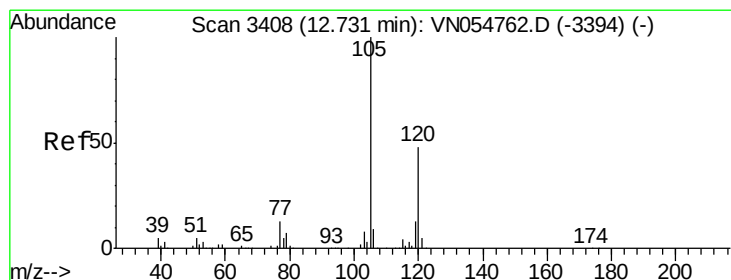
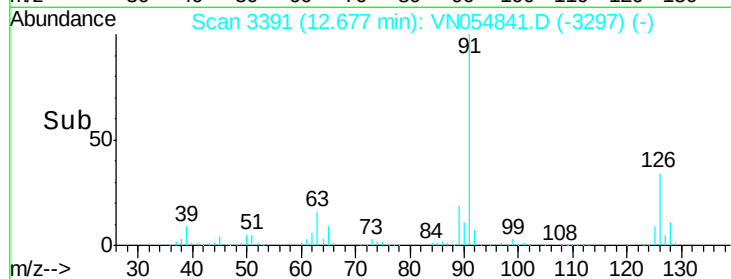
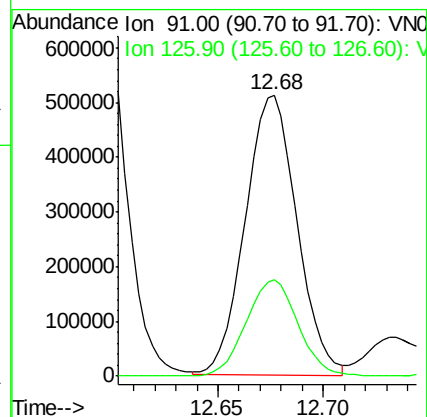
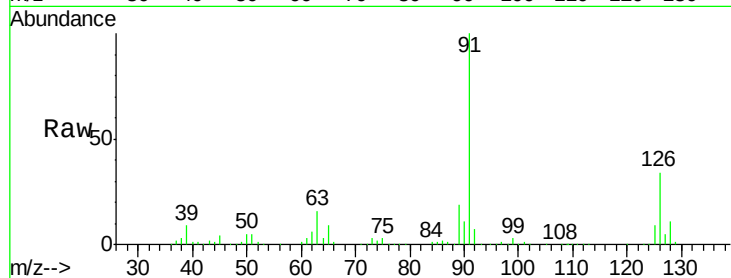
Ion Ratio Lower Upper

91 100

126 34.7 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.743 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054841.D

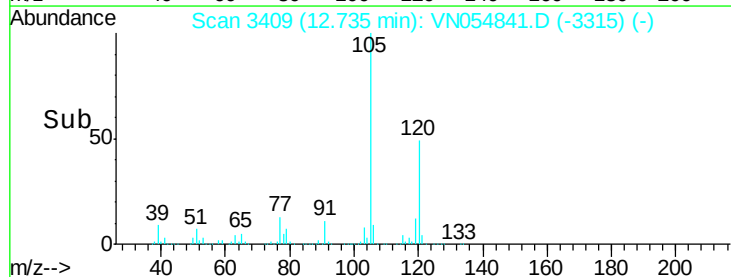
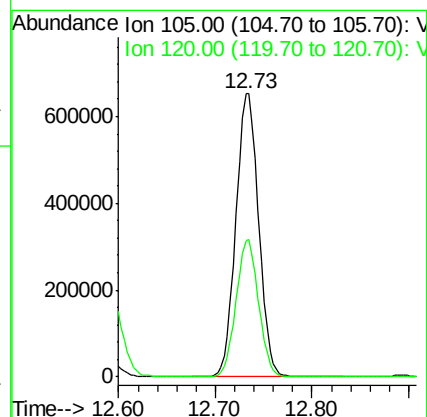
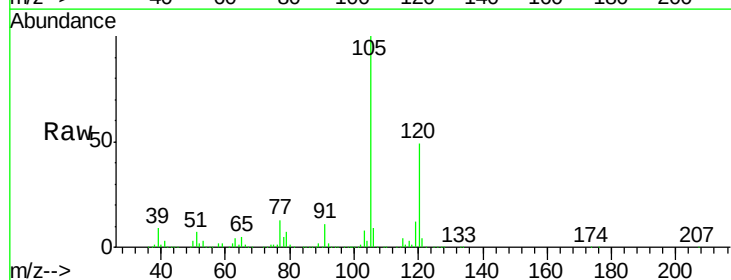
Acq: 31 Mar 2019 10:43

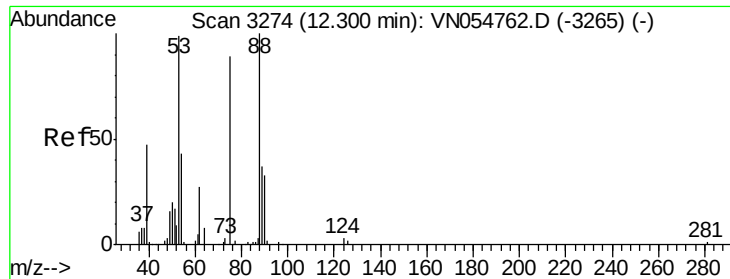
Tgt Ion: 105 Resp: 1065373

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0





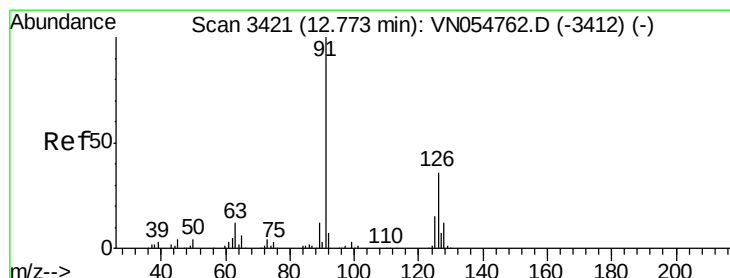
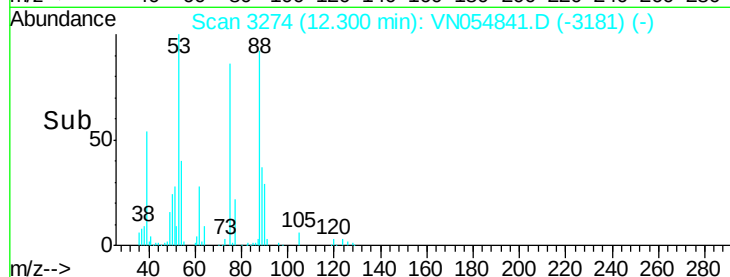
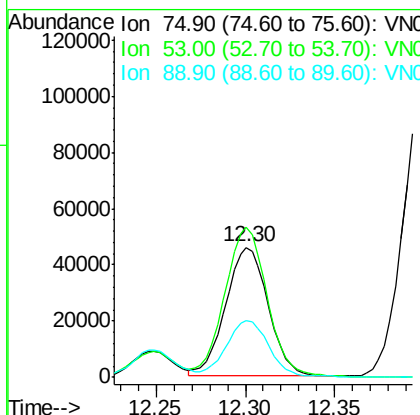
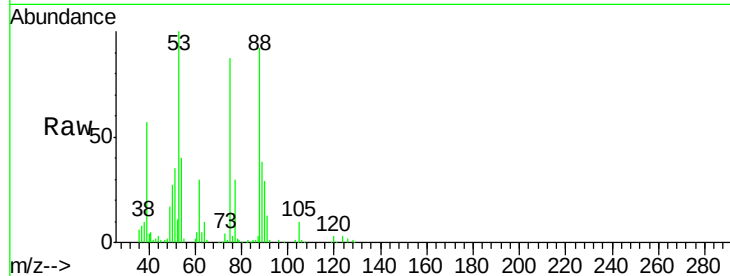
#81
trans-1,4-Dichloro-2-butene
Concen: 53.485 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	117.5	76.2	114.2#
89	44.3	39.2	58.8

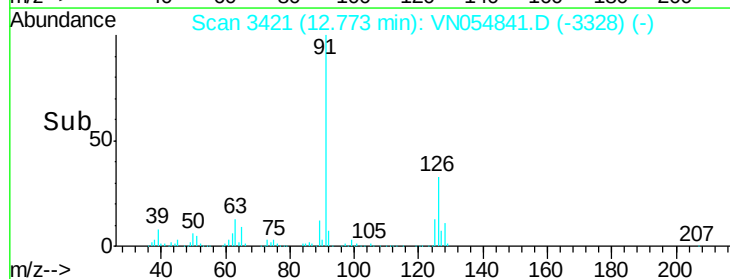
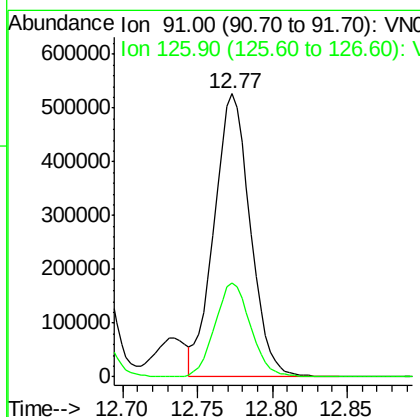
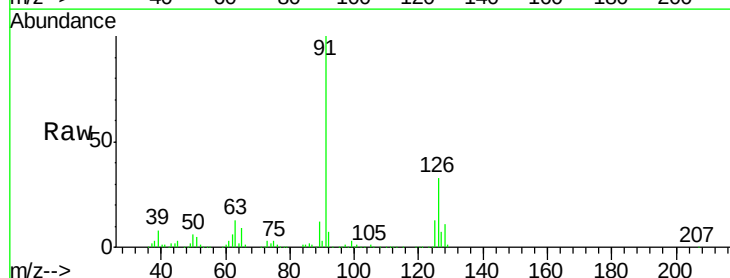
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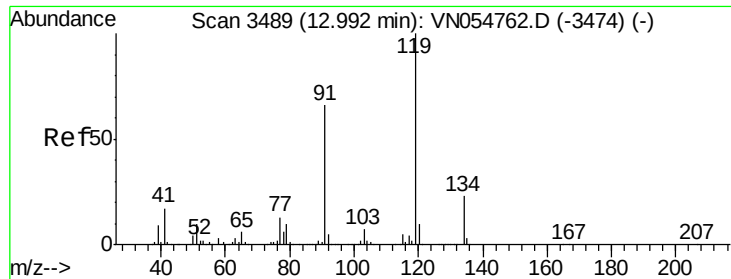
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#82
4-Chlorotoluene
Concen: 51.331 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054841.D
Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





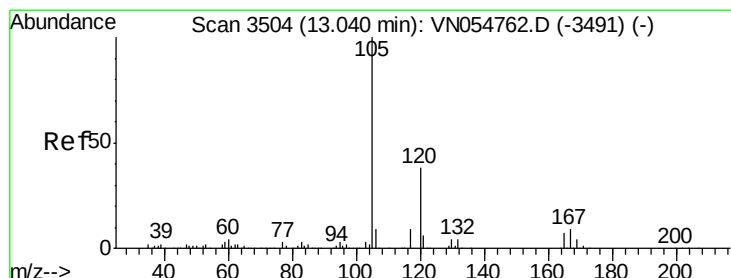
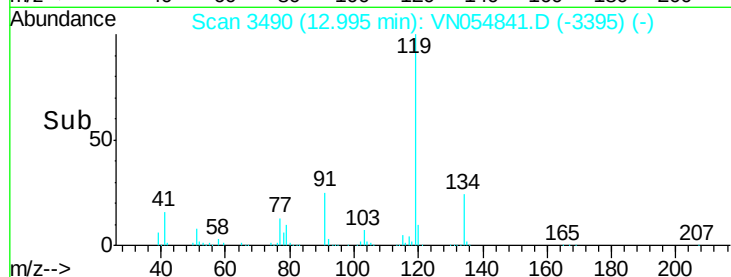
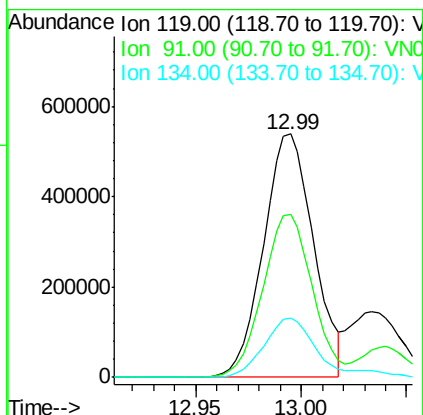
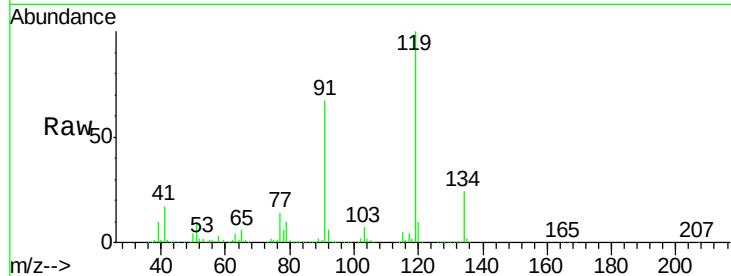
#83
 tert-Butylbenzene
 Concen: 53.736 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.2	30.9	92.8
134	24.4	13.2	39.6

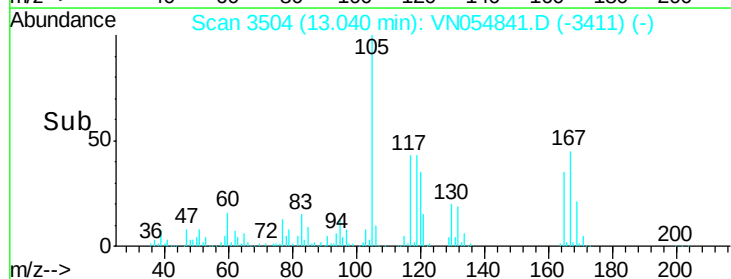
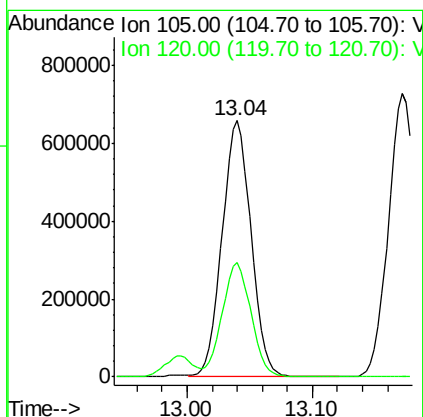
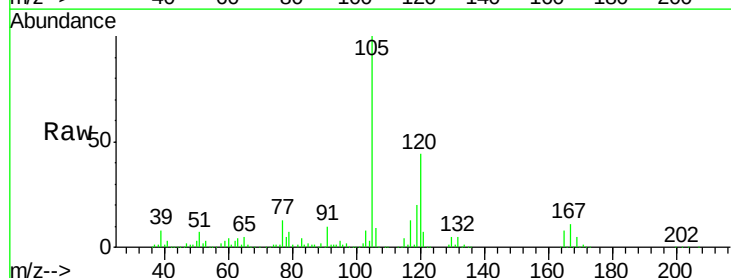
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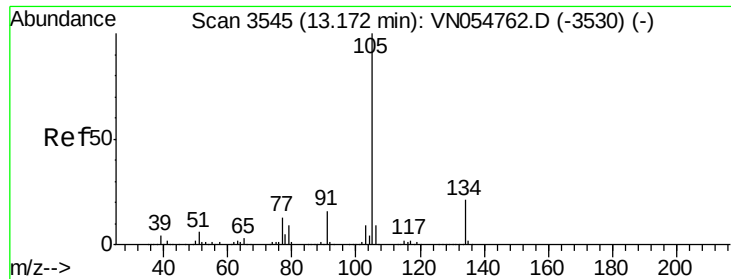
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.599 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.458 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1173967

Ion Ratio Lower Upper

105 100

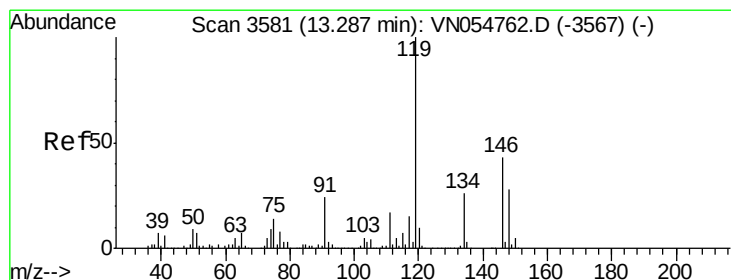
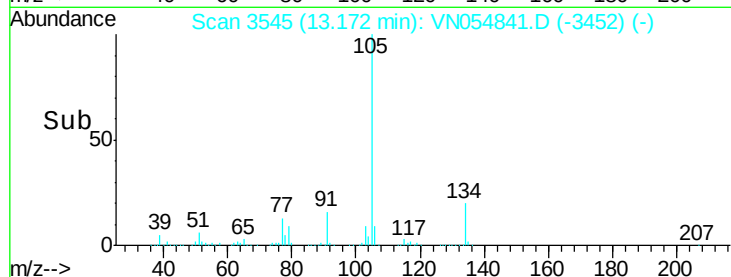
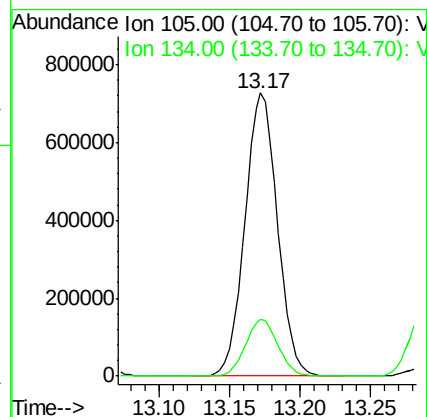
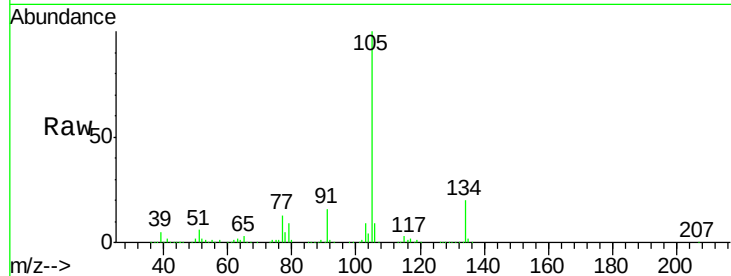
134 19.9 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 50.579 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

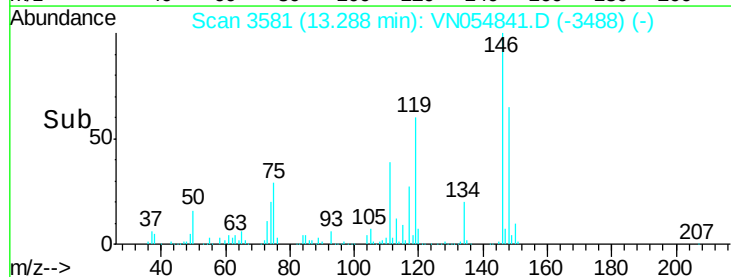
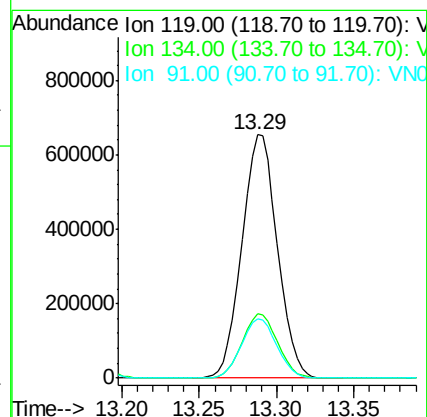
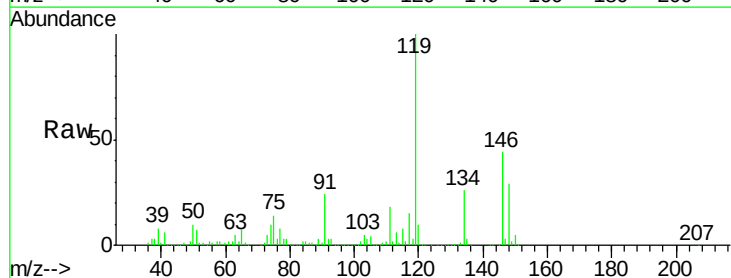
Tgt Ion:119 Resp: 1037919

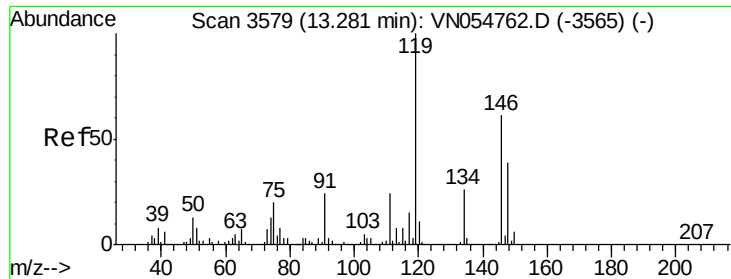
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.3 11.1 33.3





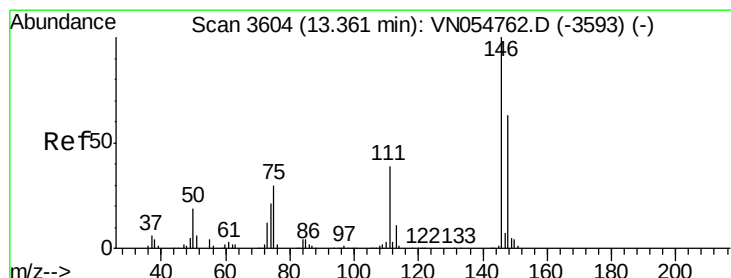
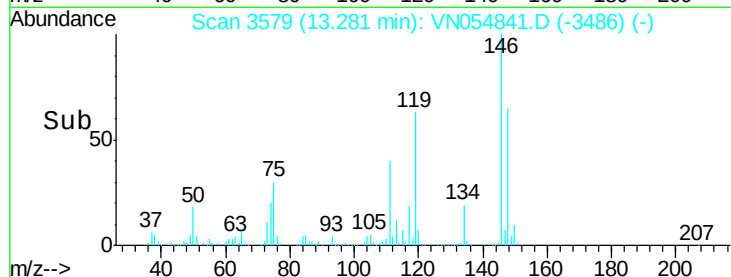
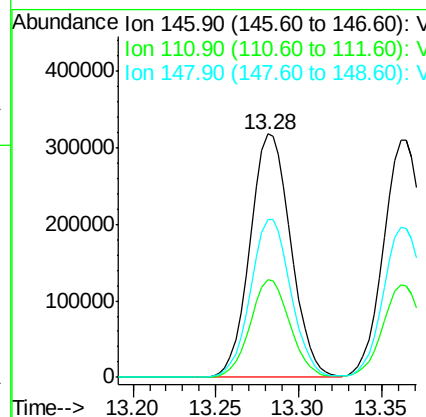
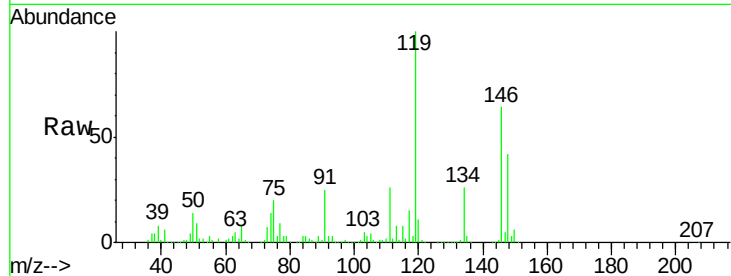
#87
 1,3-Dichlorobenzene
 Concen: 51.720 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	545495		
111	39.1	18.8	56.3	
148	64.3	32.2	96.6	

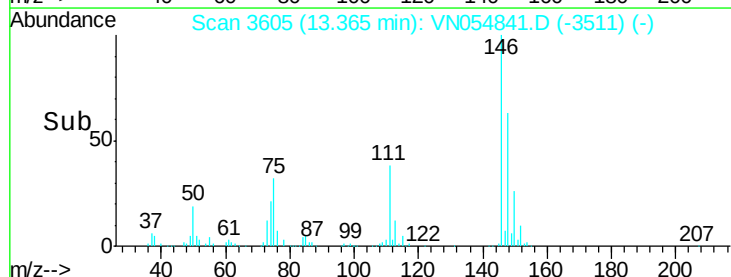
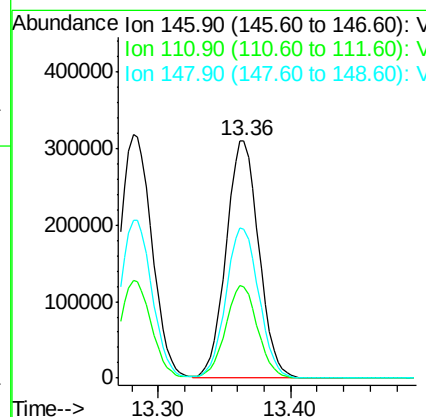
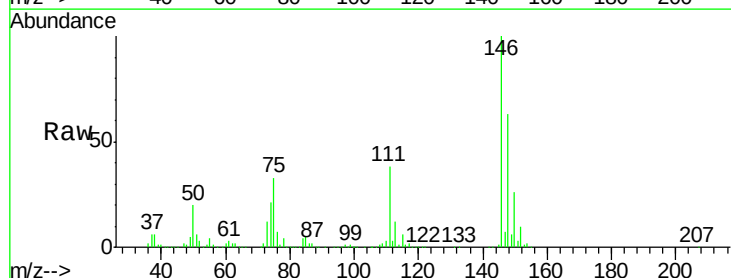
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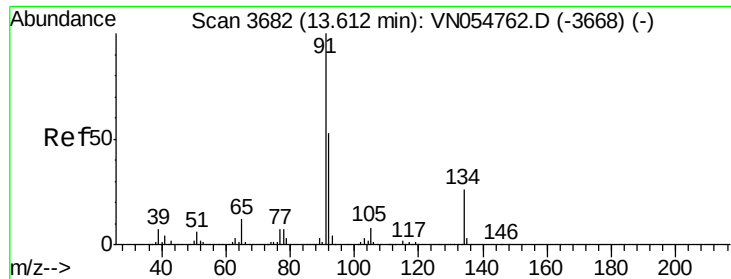
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#88
 1,4-Dichlorobenzene
 Concen: 51.407 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	531783		
111	38.1	18.1	54.1	
148	63.5	32.0	96.0	





#89

n-Butylbenzene

Concen: 53.255 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

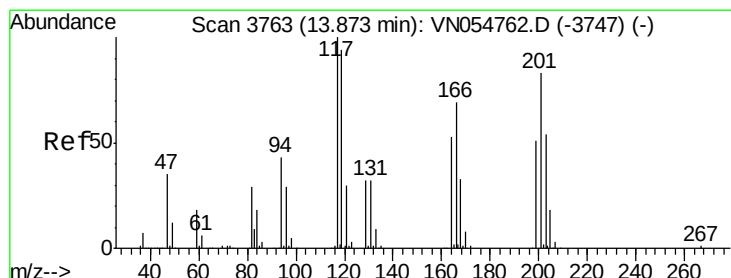
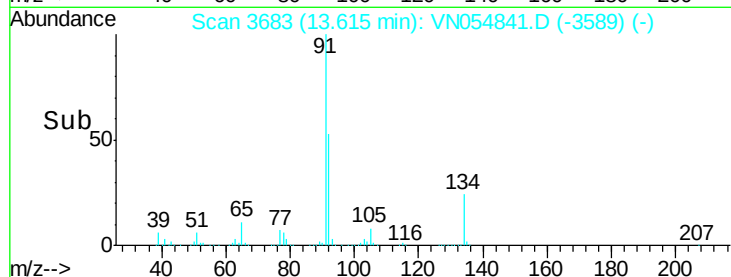
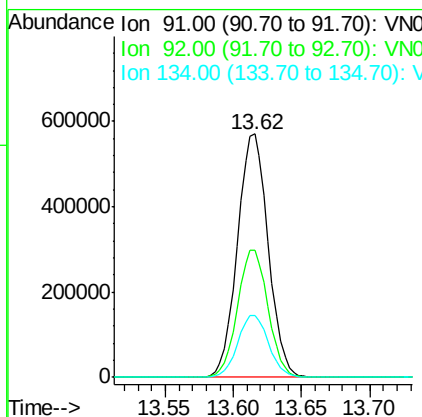
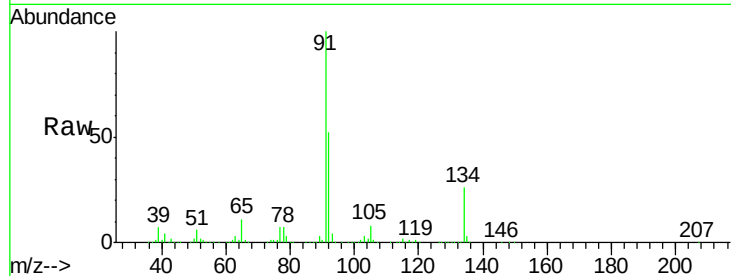
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	891625
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	25.5	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 50.208 ug/l

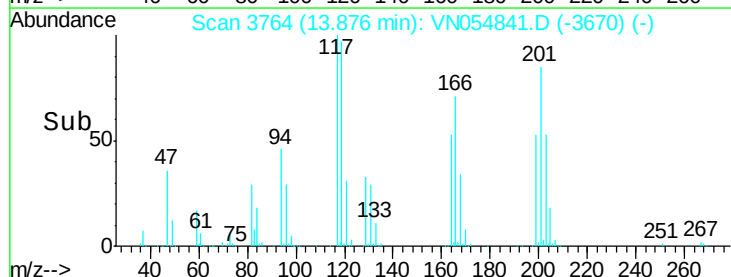
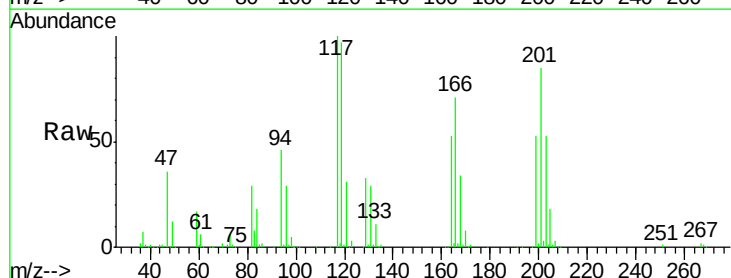
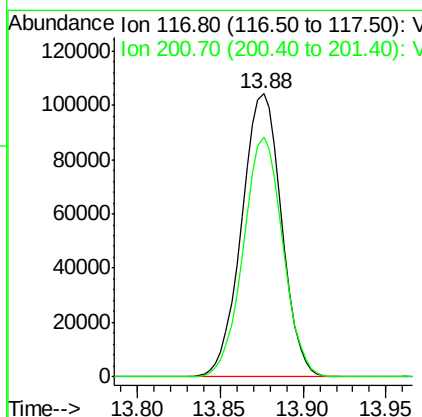
RT: 13.88 min Scan# 3764

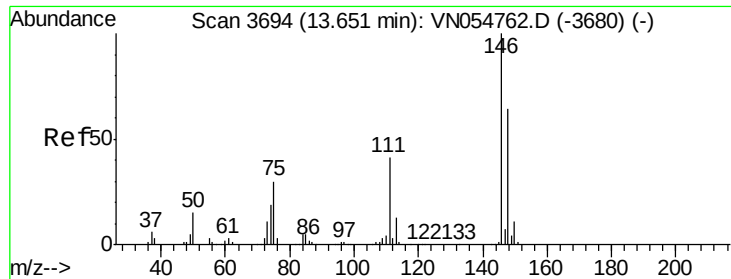
Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	117	Resp:	174927
Ion	Ratio	Lower	Upper
117	100		
201	83.8	48.1	144.4





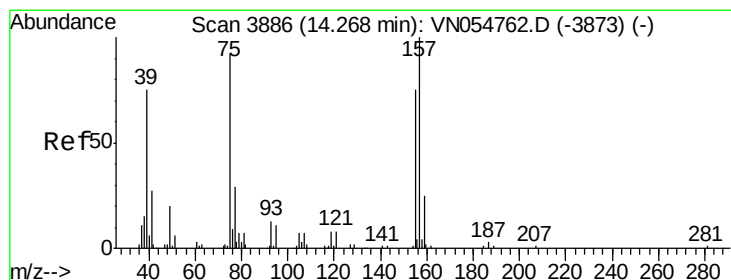
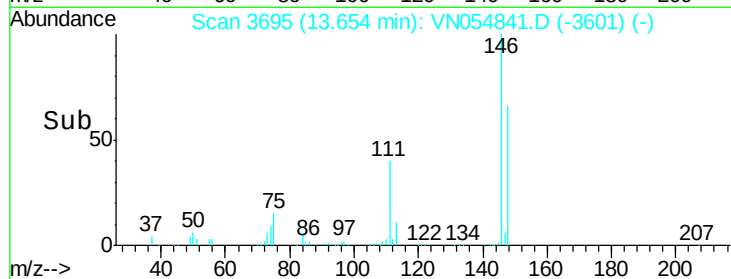
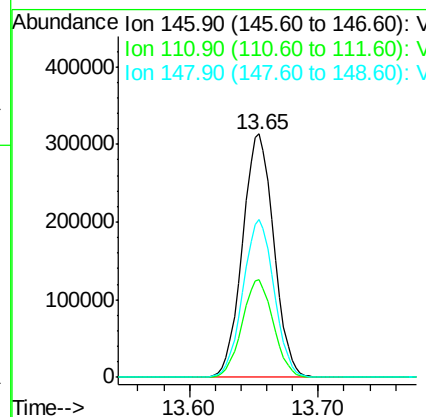
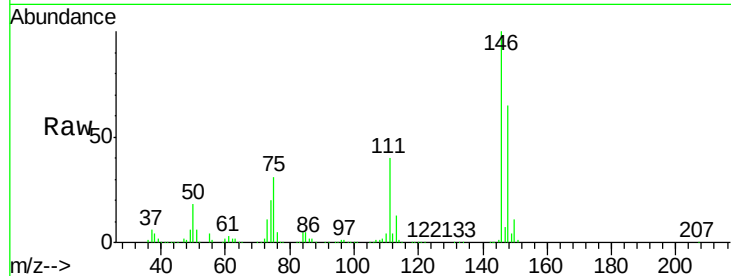
#91
 1,2-Dichlorobenzene
 Concen: 49.784 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	529918		
111	39.9	19.1	57.3	
148	64.4	32.4	97.0	

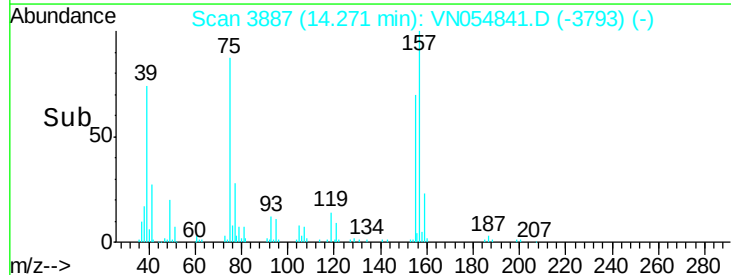
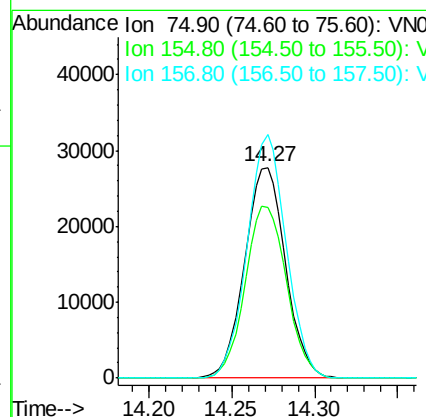
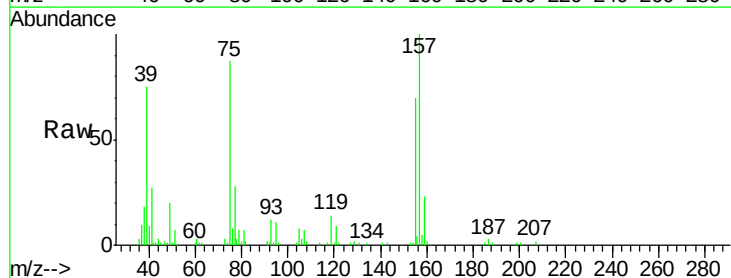
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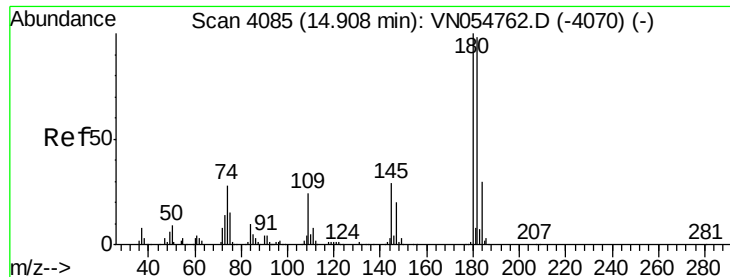
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.435 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47681		
155	82.5	50.1	150.3	
157	110.2	63.1	189.3	





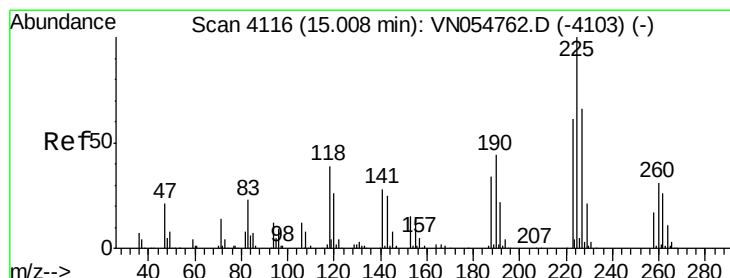
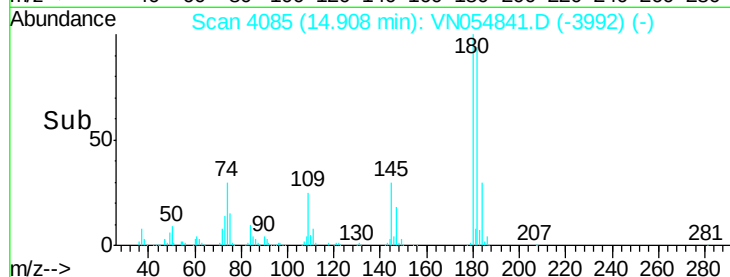
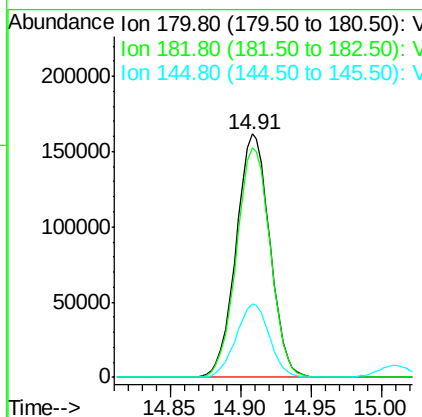
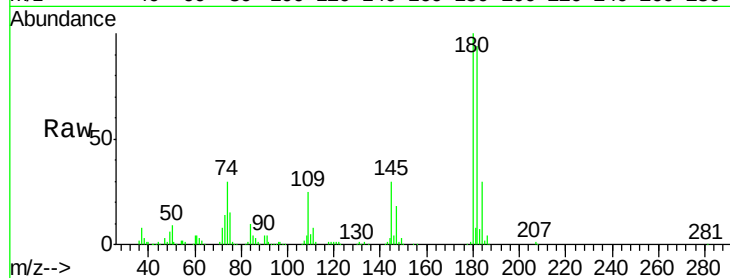
#93
 1,2,4-Trichlorobenzene
 Concen: 52.635 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	270110		
182	94.8	48.0	144.2	
145	29.9	14.2	42.8	

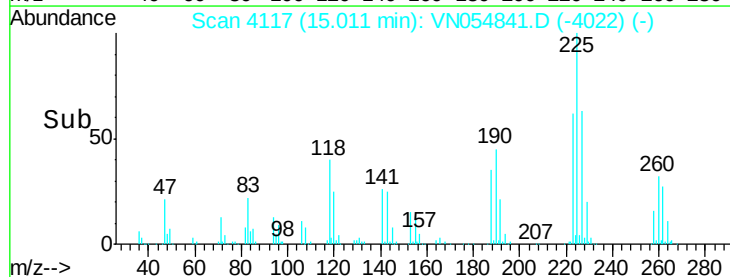
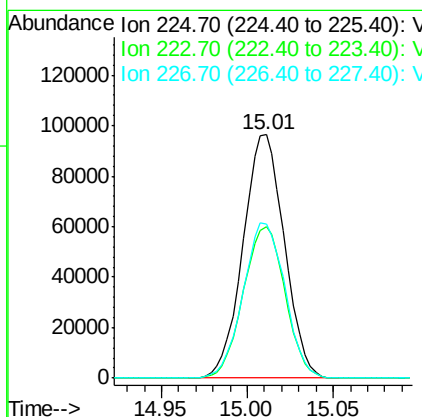
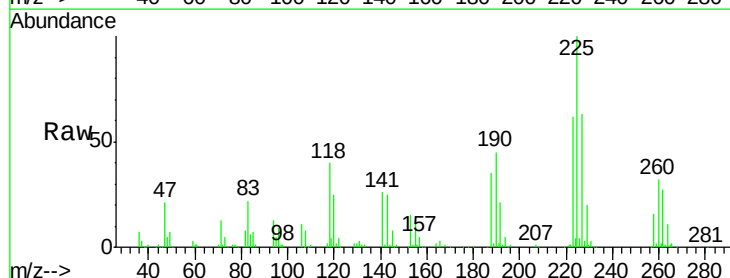
Manual Integrations
 APPROVED

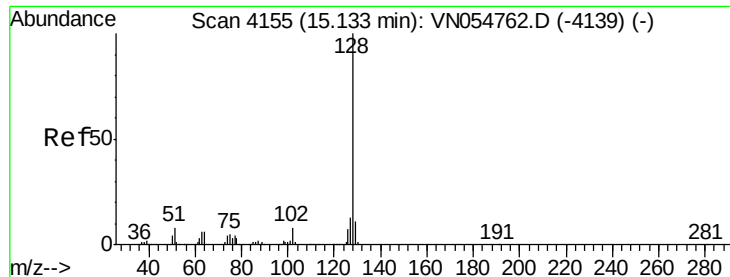
MMDadoda
 4/1/2019 12:49:46 PM



#94
 Hexachlorobutadiene
 Concen: 52.979 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054841.D
 Acq: 31 Mar 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160632		
223	62.8	31.1	93.5	
227	64.8	31.9	95.9	





#95

Naphthalene

Concen: 51.599 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Instrument :

MSVOA_N

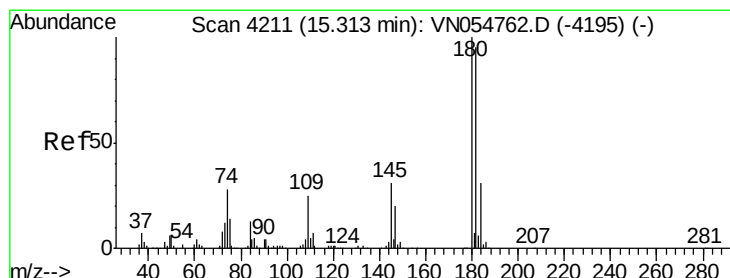
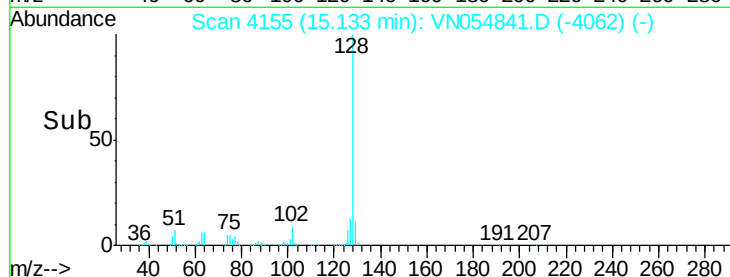
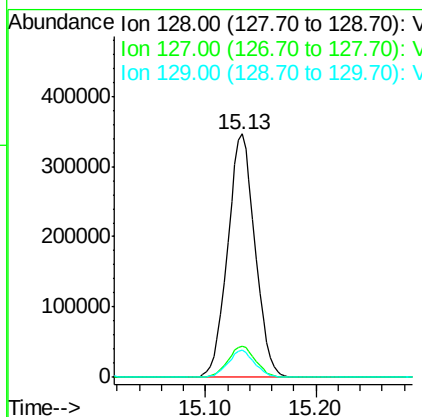
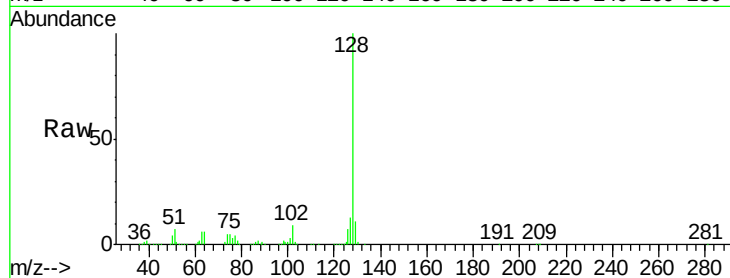
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	593877
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 12:49:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.180 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054841.D

Acq: 31 Mar 2019 10:43

Tgt Ion:	180	Resp:	265251
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.6
145	30.8	14.8	44.3

