

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054763.D
 Acq On : 29 Mar 2019 11:46
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:12 PM

Quant Time: Mar 30 00:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	494945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	795384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	696012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	616369	92.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.76%	
35) Dibromofluoromethane	7.59	113	497103	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
50) Toluene-d8	10.09	98	1895814	96.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.32%	
62) 4-Bromofluorobenzene	12.40	95	652885	99.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	450221	89.930	ug/l	100
3) Chloromethane	2.06	50	642162	92.767	ug/l	99
4) Vinyl Chloride	2.19	62	561228	90.283	ug/l	100
5) Bromomethane	2.56	94	319053	84.963	ug/l	97
6) Chloroethane	2.71	64	313909	90.433	ug/l	100
7) Trichlorofluoromethane	3.02	101	696884	91.185	ug/l	100
8) Diethyl Ether	3.41	74	229313	93.183	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	361642	95.723	ug/l	93
10) Methyl Iodide	3.94	142	568832	103.280	ug/l #	88
11) Tert butyl alcohol	4.82	59	181155	515.959	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	359927	92.513	ug/l #	75
13) Acrolein	3.61	56	161814	520.689	ug/l	96
14) Allyl chloride	4.32	41	915036	96.383	ug/l #	90
15) Acrylonitrile	4.99	53	953130	493.288	ug/l	99
16) Acetone	3.82	43	733122	460.783	ug/l #	82
17) Carbon Disulfide	4.04	76	1237217	98.046	ug/l	99
18) Methyl Acetate	4.33	43	418492	91.079	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	1316539	96.739	ug/l	94
20) Methylene Chloride	4.55	84	510255	90.918	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	481021	94.129	ug/l	85
22) Diisopropyl ether	5.96	45	1831483	96.630	ug/l #	92
23) Vinyl Acetate	5.90	43	6831806	530.439	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	960110	94.961	ug/l	98
25) 2-Butanone	6.84	43	1239038	526.834	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	699705	98.740	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	549257	95.145	ug/l	87
28) Bromochloromethane	7.19	49	485278	95.987	ug/l #	70
29) Tetrahydrofuran	7.22	42	798196	487.994	ug/l #	84
30) Chloroform	7.37	83	912585	94.658	ug/l	99
31) Cyclohexane	7.65	56	906280	77.893	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	777232	97.282	ug/l	96
36) 1,1-Dichloropropene	7.79	75	712196	98.095	ug/l	96
37) Ethyl Acetate	6.94	43	537815	100.840	ug/l	96
38) Carbon Tetrachloride	7.77	117	686636	95.386	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	795803	97.668	ug/l	89
40) Benzene	8.04	78	2074612	97.827	ug/l	99
41) Methacrylonitrile	7.18	41	315563	103.358	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	725228	95.776	ug/l	97
43) Isopropyl Acetate	8.17	43	945996	107.121	ug/l #	94
44) Trichloroethene	8.84	130	539068	97.922	ug/l	91
45) 1,2-Dichloropropane	9.12	63	580473	95.994	ug/l	98
46) Dibromomethane	9.21	93	334787	98.418	ug/l	88
47) Bromodichloromethane	9.40	83	721892	102.112	ug/l	97
48) Methyl methacrylate	9.20	41	495913	103.593	ug/l #	86
49) 1,4-Dioxane	9.20	88	100038	2106.110	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	2631880	530.080	ug/l	93
52) Toluene	10.16	92	1248759	98.959	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	744989	112.025	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	867324	109.180	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	453284	96.604	ug/l	96
56) Ethyl methacrylate	10.43	69	664903	108.023	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	808966	100.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1359779	576.119	ug/l	89
59) 2-Hexanone	10.75	43	1710007	538.002	ug/l	91
60) Dibromochloromethane	10.90	129	518432	109.073	ug/l	99
61) 1,2-Dibromoethane	11.01	107	456836	101.879	ug/l	99
64) Tetrachloroethene	10.63	164	497272	93.105	ug/l	96
65) Chlorobenzene	11.43	112	1334678	97.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	510974	100.179	ug/l	100
67) Ethyl Benzene	11.51	91	2436872	99.097	ug/l	97
68) m/p-Xylenes	11.62	106	1802376	198.059	ug/l	95
69) o-Xylene	11.95	106	877418	98.325	ug/l	96
70) Styrene	11.96	104	1485350	104.103	ug/l	97
71) Bromoform	12.13	173	337890	113.077	ug/l	99
73) Isopropylbenzene	12.25	105	2308711	89.367	ug/l	98
74) N-amyl acetate	12.07	43	798910	99.264	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	575263	89.664	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	508910m	95.885	ug/l	
77) Bromobenzene	12.53	156	579905	93.010	ug/l	85
78) n-propylbenzene	12.59	91	2622638	92.365	ug/l	97
79) 2-Chlorotoluene	12.67	91	1576780	89.760	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1914153	90.300	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	155180	109.931	ug/l	89
82) 4-Chlorotoluene	12.77	91	1610521	94.390	ug/l	95
83) tert-Butylbenzene	12.99	119	1627816	87.814	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1921587	95.152	ug/l	97
85) sec-Butylbenzene	13.17	105	2091688	90.836	ug/l	97
86) p-Isopropyltoluene	13.29	119	1895124	93.311	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	994558	95.275	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	966299	94.381	ug/l	99
89) n-Butylbenzene	13.61	91	1632362	98.510	ug/l	97
90) Hexachloroethane	13.87	117	337178	97.781	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	944545	89.657	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88327	100.013	ug/l	85

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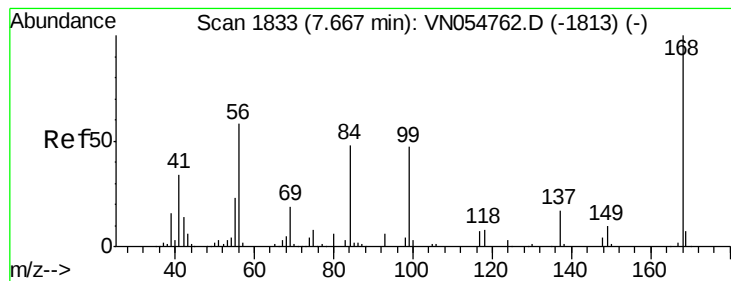
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	532861	104.914	ug/l	99
94) Hexachlorobutadiene	15.01	225	296551	86.560	ug/l	99
95) Naphthalene	15.13	128	1214596	106.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	515829	100.563	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: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC100

Tot Ion:168 Resp: 494945

Ion Ratio Lower Upper

168 100

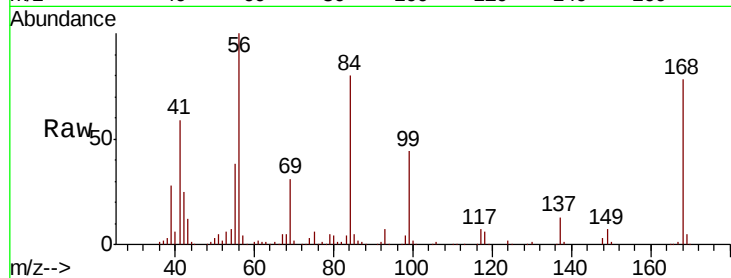
99 55.2 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

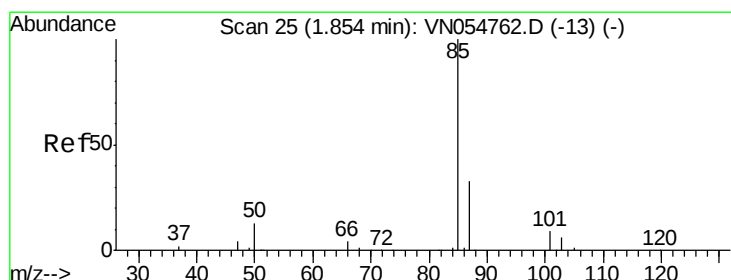
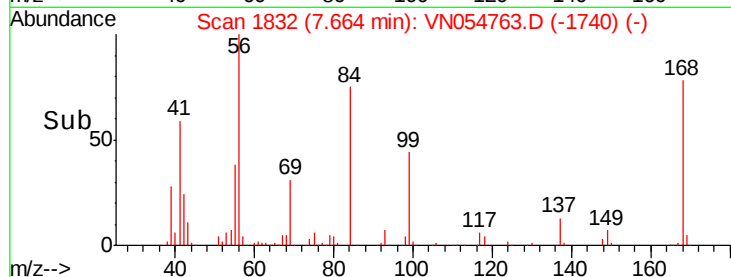
50000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 89.930 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054763.D

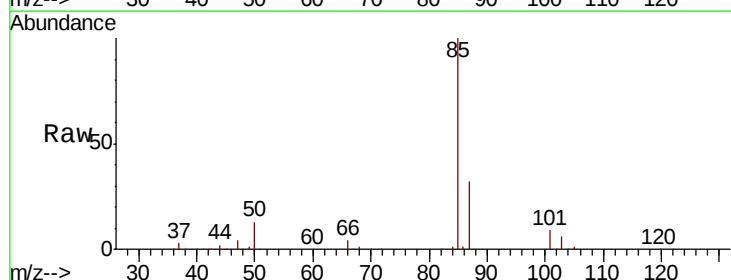
Acq: 29 Mar 2019 11:46

Tgt Ion: 85 Resp: 450221

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

200000

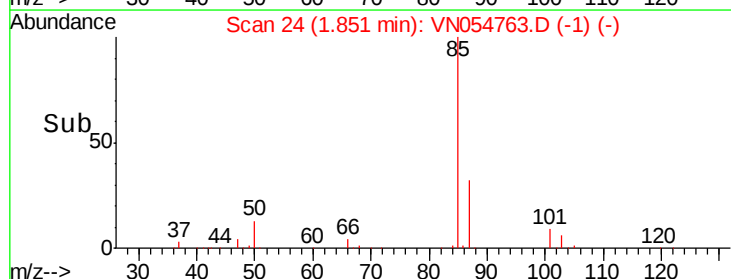
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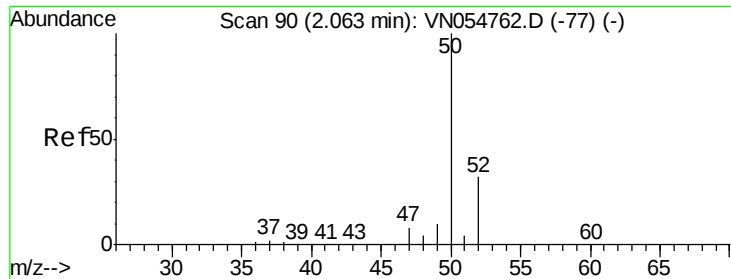
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 92.767 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 642162

Ion Ratio Lower Upper

50 100

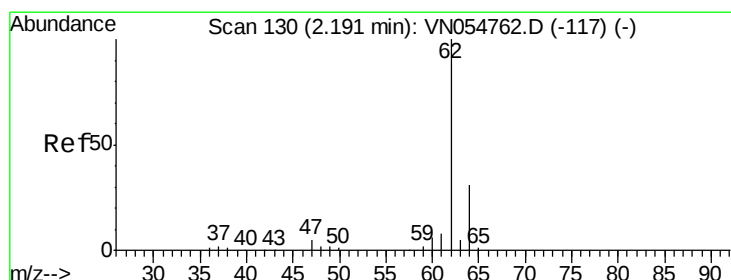
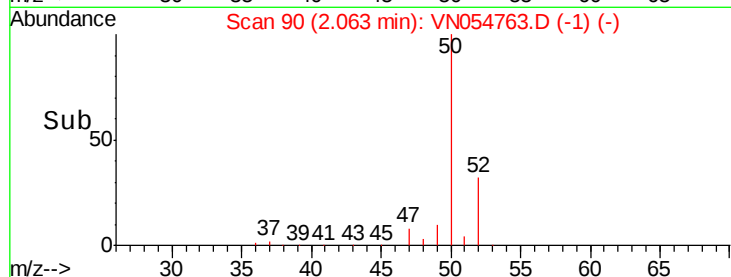
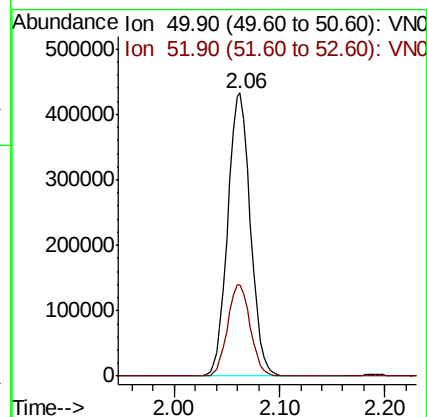
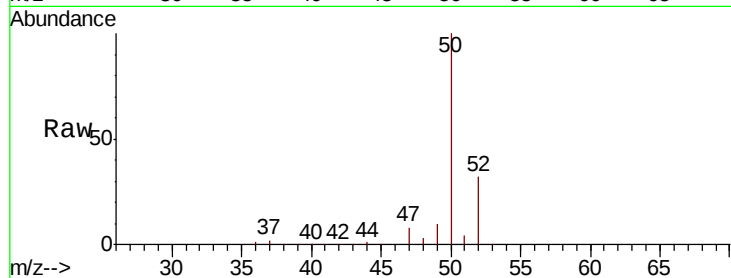
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 90.283 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054763.D

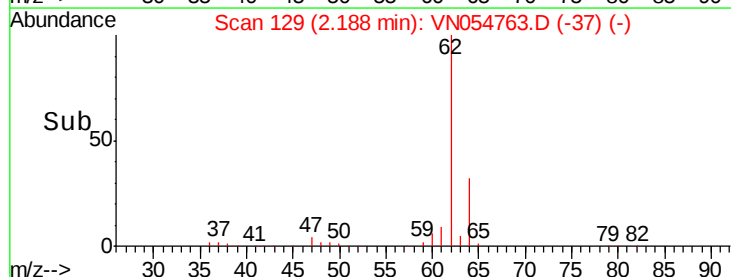
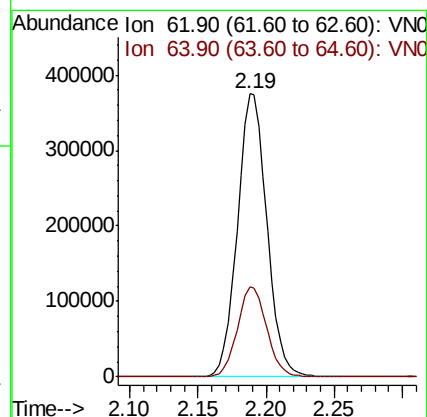
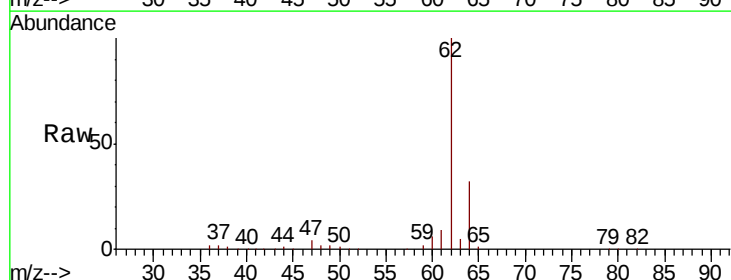
Acq: 29 Mar 2019 11:46

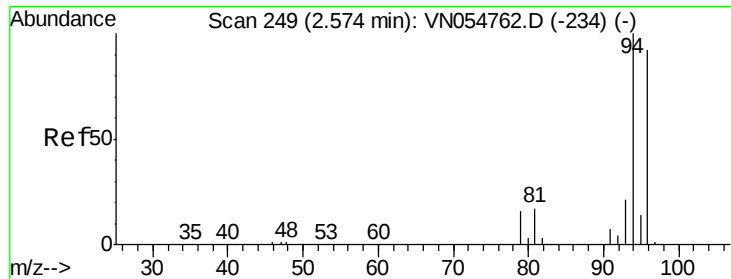
Tgt Ion: 62 Resp: 561228

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 84.963 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 319053

Ion Ratio Lower Upper

94 100

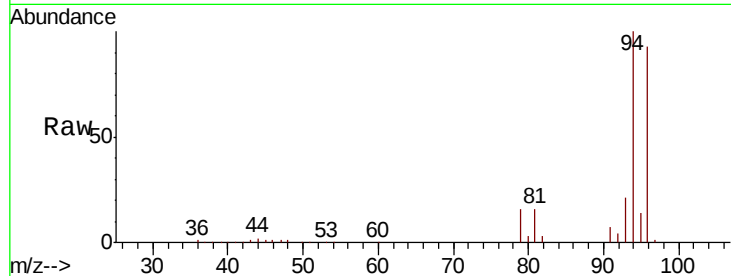
96 93.2 77.0 115.4

Manual Integrations

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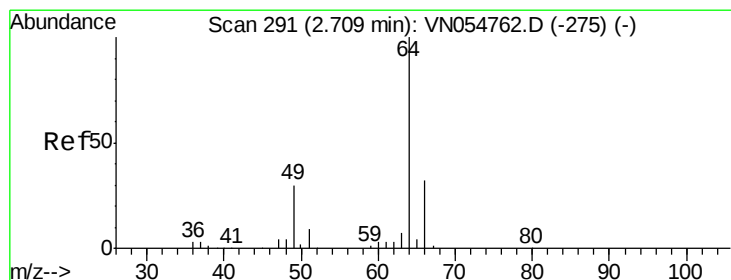
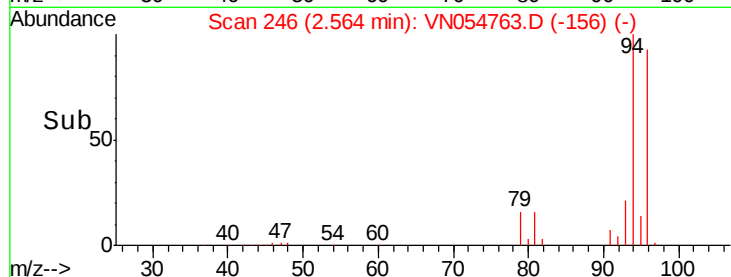
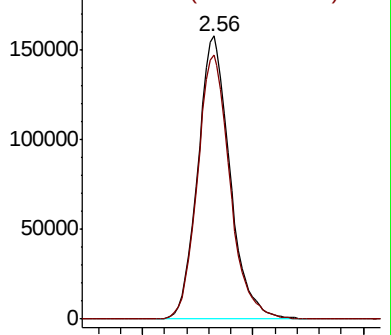
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 90.433 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054763.D

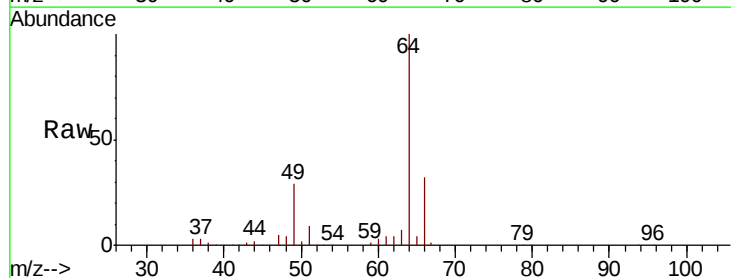
Acq: 29 Mar 2019 11:46

Tgt Ion: 64 Resp: 313909

Ion Ratio Lower Upper

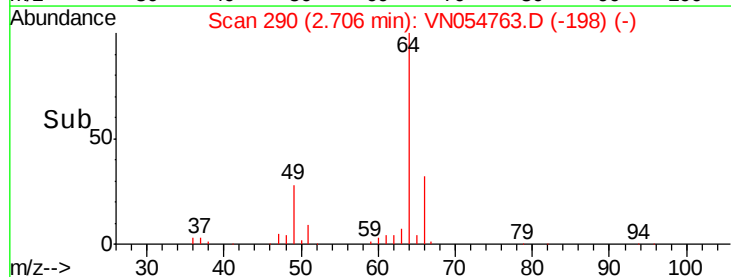
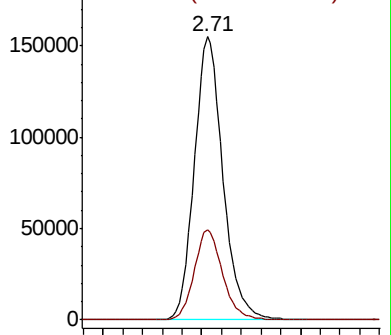
64 100

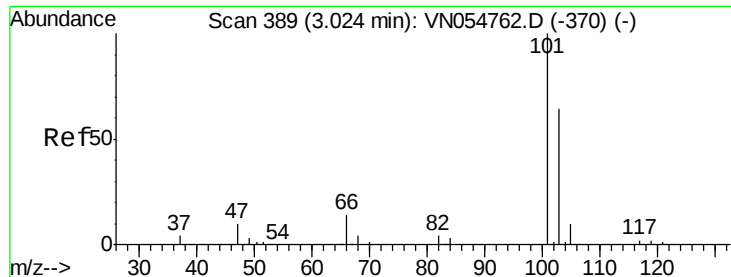
66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

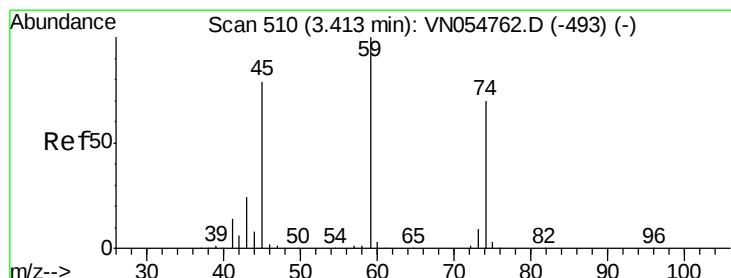
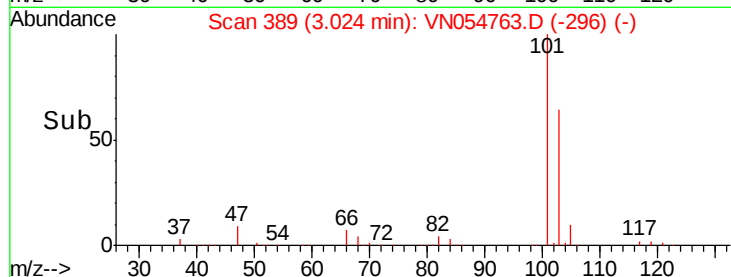
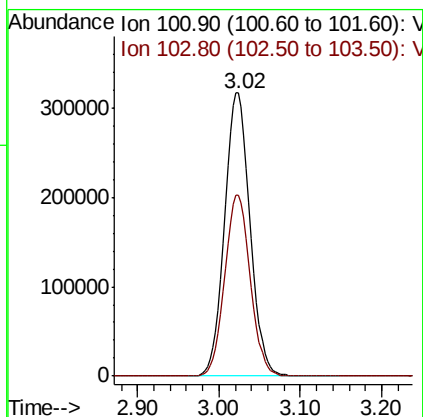
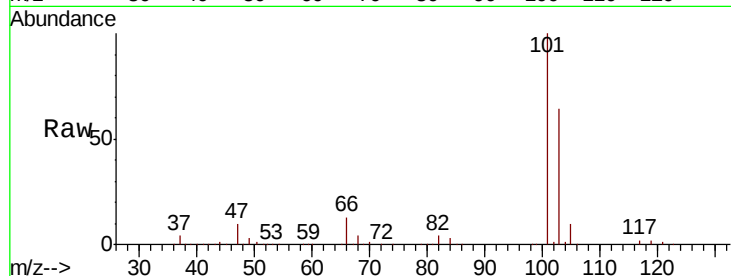
Trichlorofluoromethane
 Concen: 91.185 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.4	77.2

Manual Integrations
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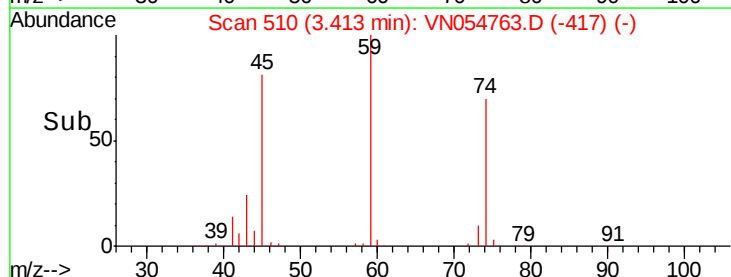
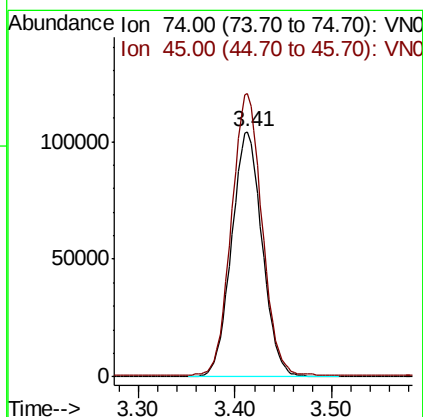
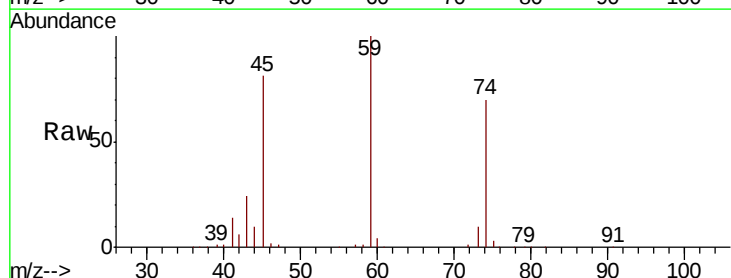
MMDadoda
 4/1/2019 4:00:12 PM

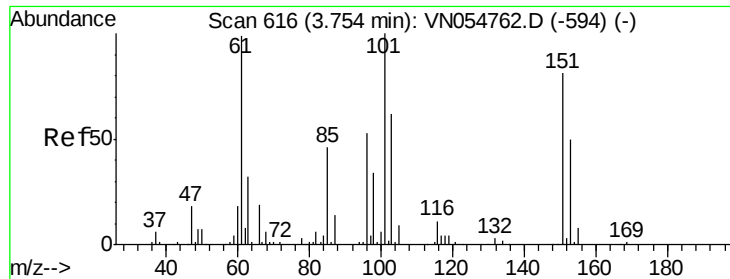


#8

Diethyl Ether
 Concen: 93.183 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.723 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054763.D

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Instrument :

MSVOA_N

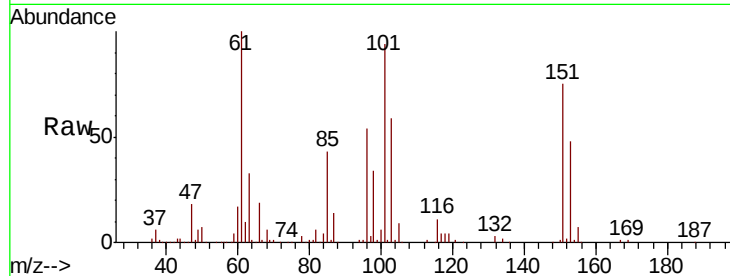
ClientSampleId :

VSTDIC100

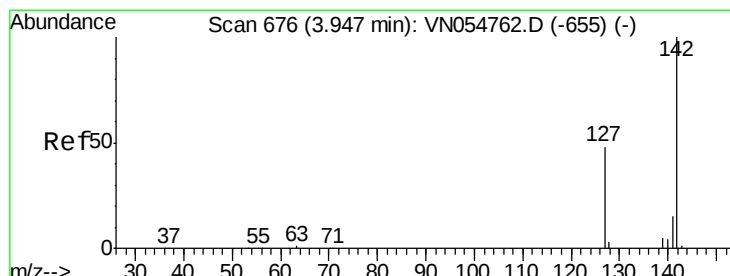
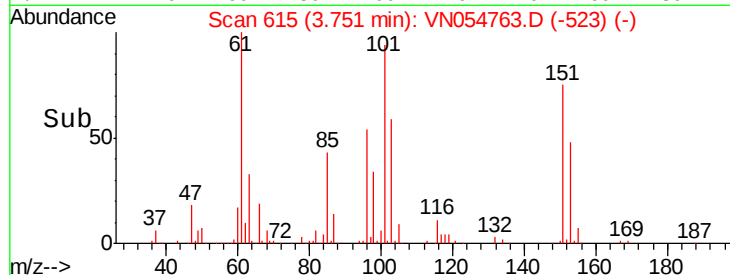
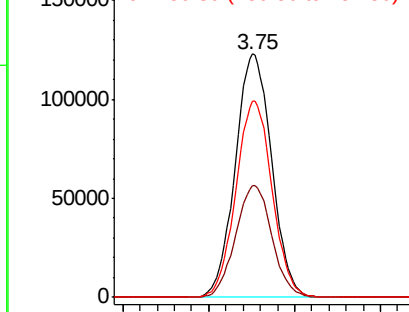
Tot Ion:	101	Resp:	361642
Ion Ratio	Lower	Upper	
101	100		
85	45.8	32.4	48.6
151	80.2	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.280 ug/l

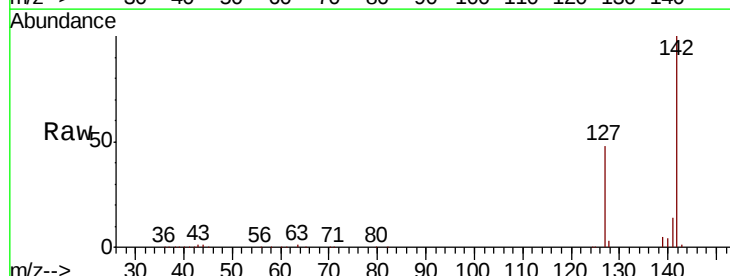
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

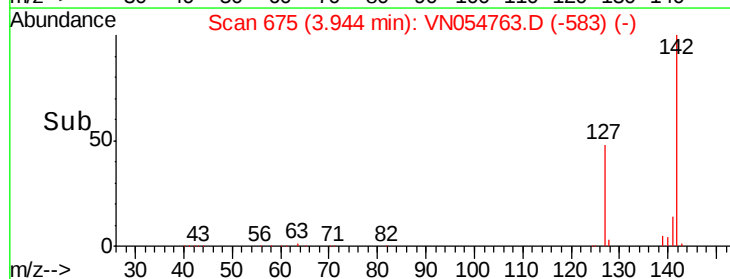
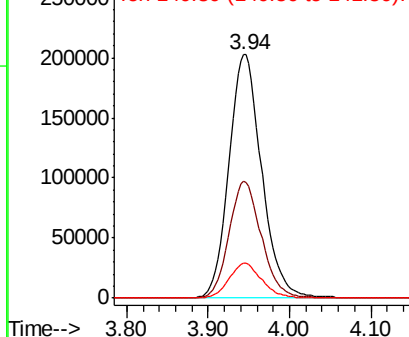
Lab File: VN054763.D

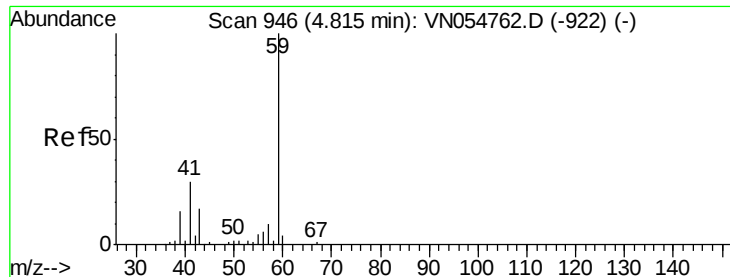
Acq: 29 Mar 2019 11:46

Tgt Ion:	142	Resp:	568832
Ion Ratio	Lower	Upper	
142	100		
127	47.5	30.3	45.5#
141	14.4	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

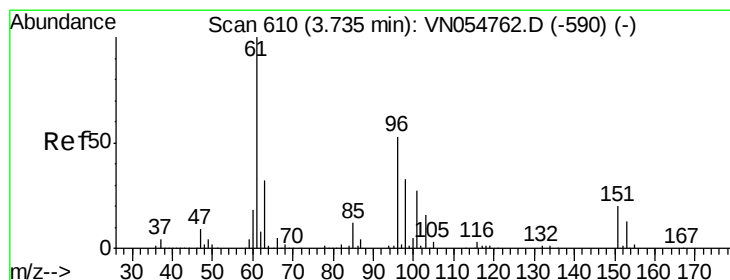
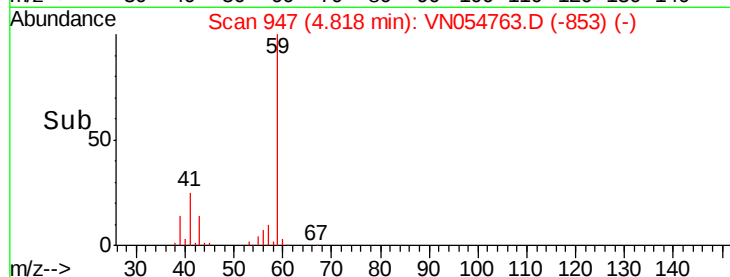
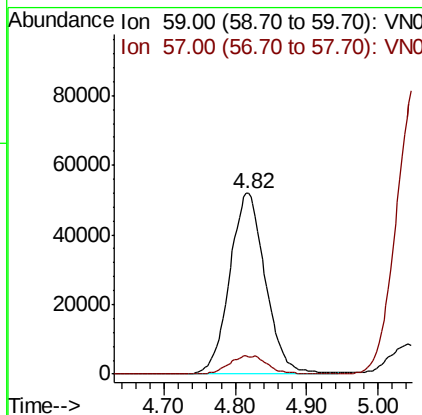
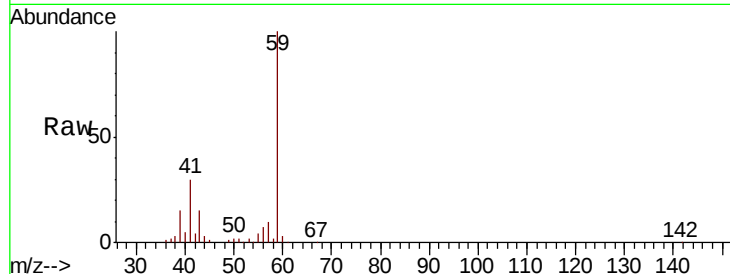
Tert butyl alcohol
Concen: 515.959 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.0	13.6#

Manual Integrations
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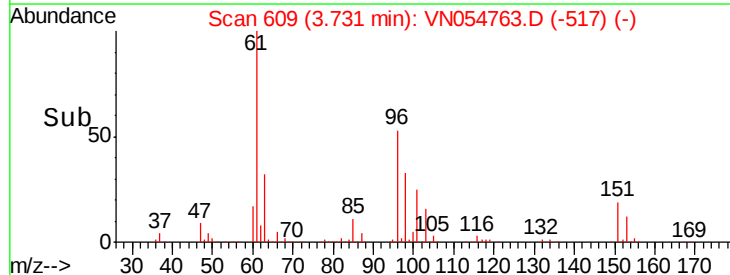
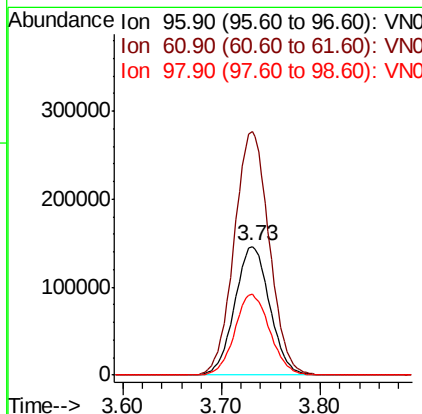
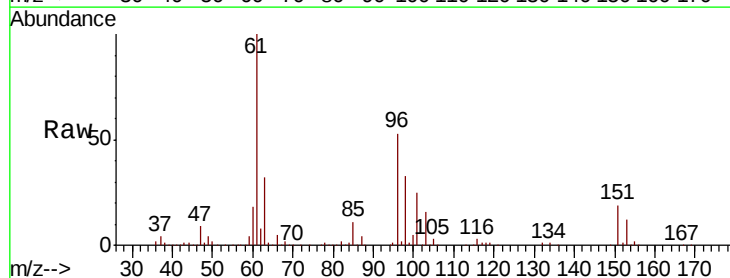
MMDadoda
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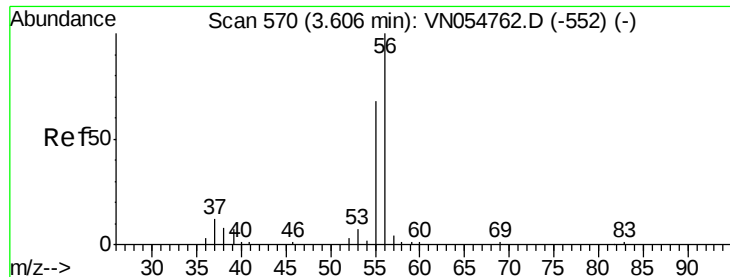


#12

1,1-Dichloroethene
Concen: 92.513 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.9	116.5	174.7#
98	62.4	51.0	76.4





#13

Acrolein

Concen: 520.689 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 161814

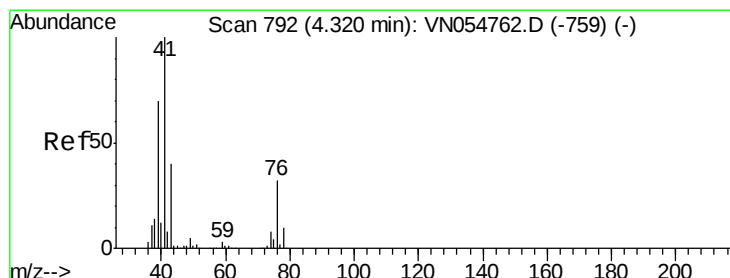
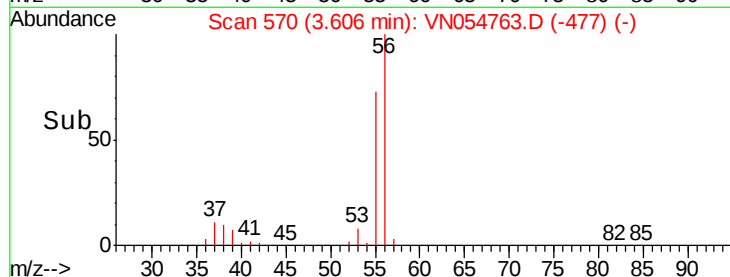
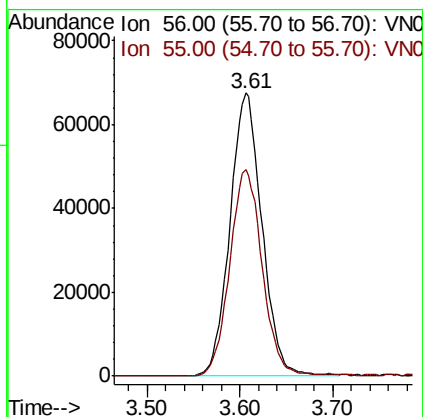
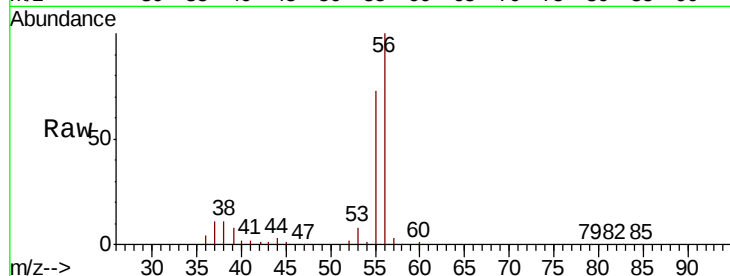
Ion Ratio Lower Upper

56 100

55 73.9 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 96.383 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

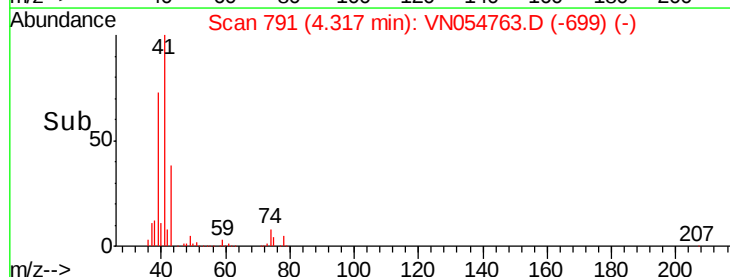
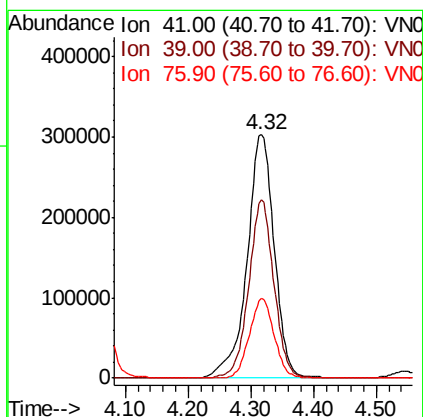
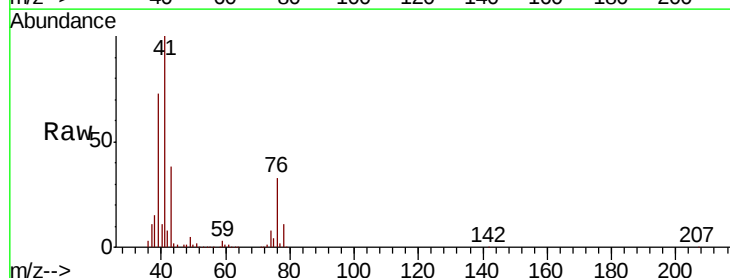
Tgt Ion: 41 Resp: 915036

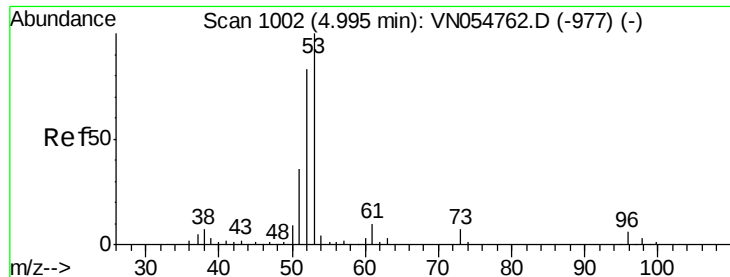
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 29.7 31.7 47.5#





#15

Acrylonitrile

Concen: 493.288 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

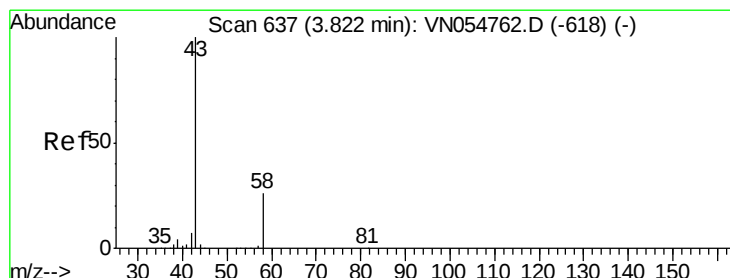
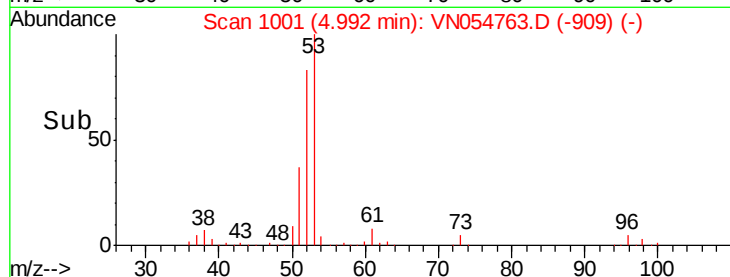
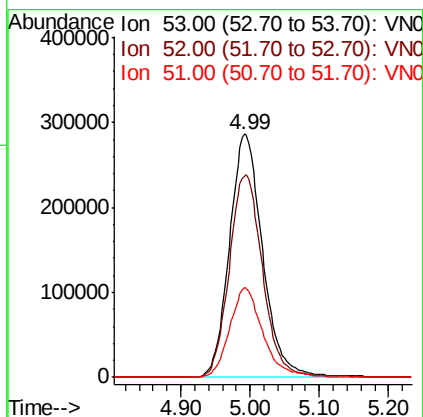
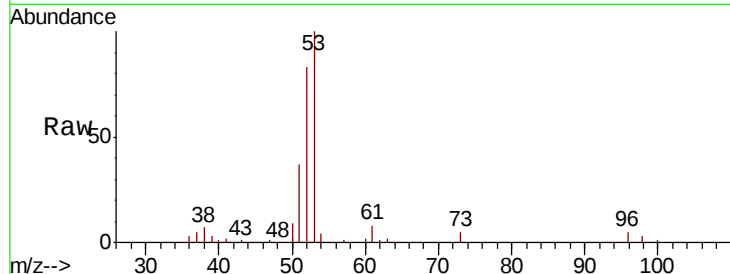
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	953130
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 460.783 ug/l

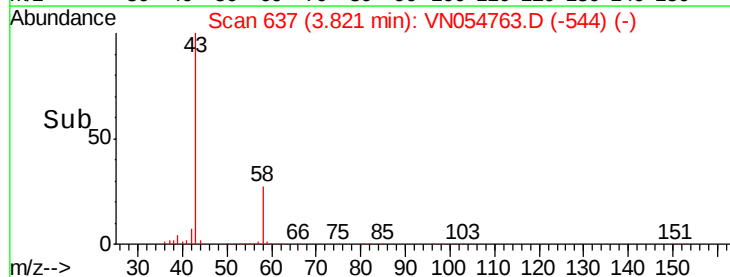
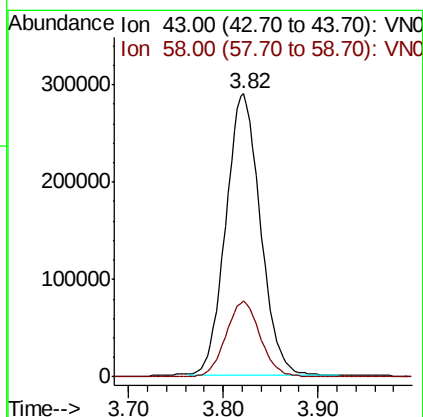
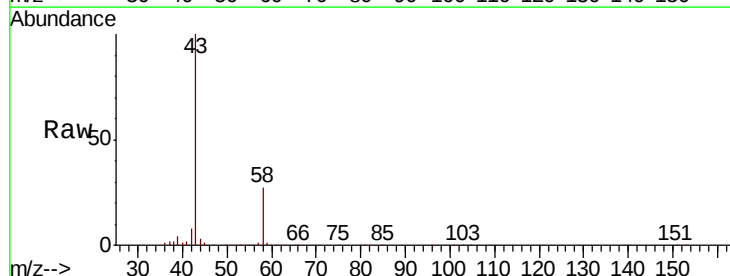
RT: 3.82 min Scan# 637

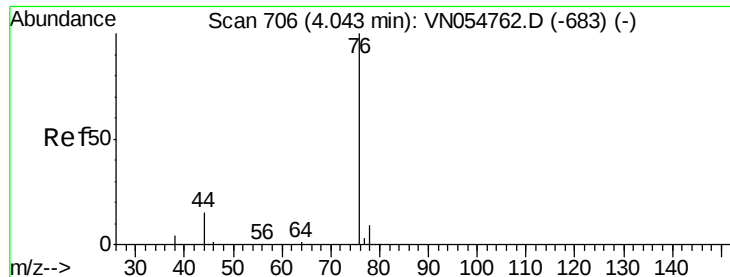
Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion:	43	Resp:	733122
Ion	Ratio	Lower	Upper
43	100		
58	26.7	29.9	44.9#





#17

Carbon Disulfide

Concen: 98.046 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 76 Resp: 1237217

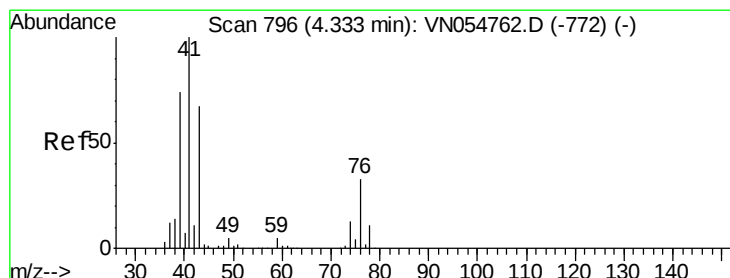
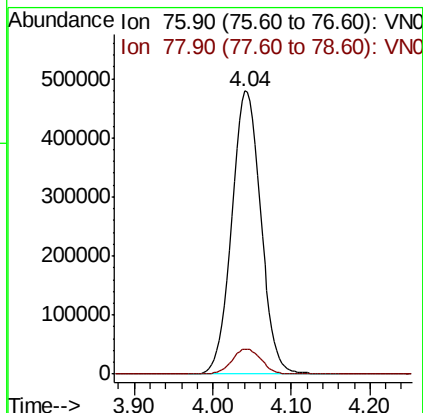
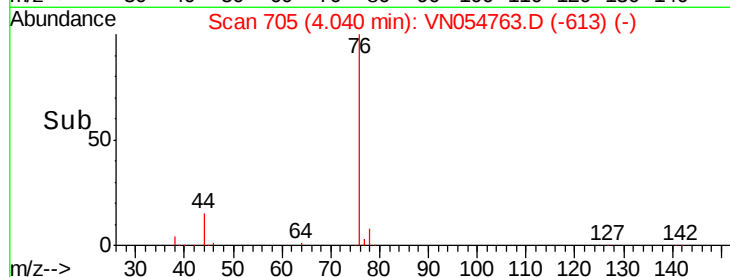
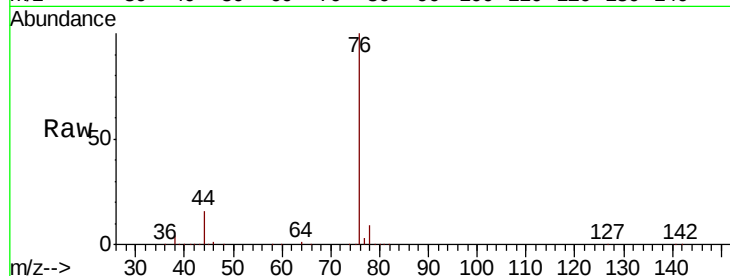
Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

Manual Integrations
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#18

Methyl Acetate

Concen: 91.079 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054763.D

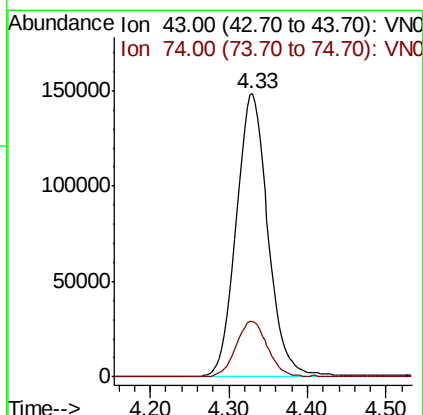
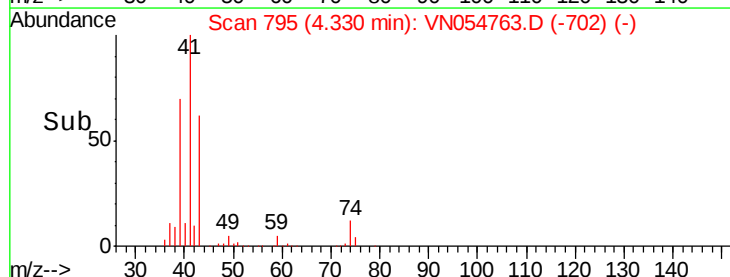
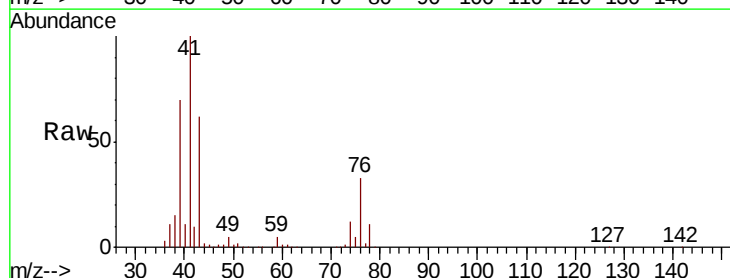
Acq: 29 Mar 2019 11:46

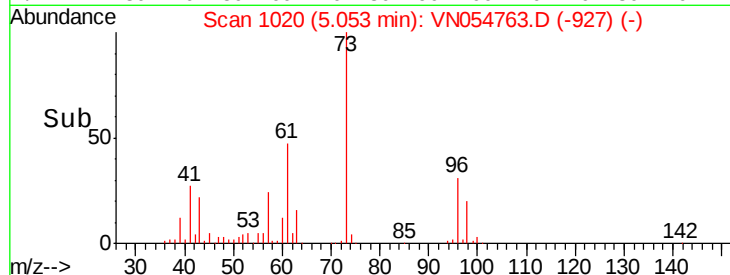
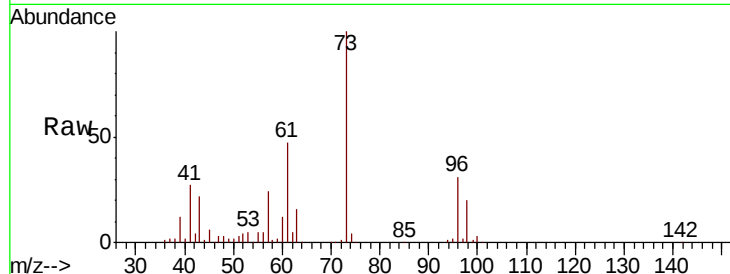
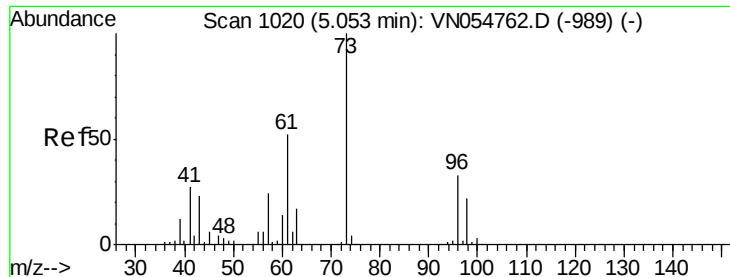
Tgt Ion: 43 Resp: 418492

Ion Ratio Lower Upper

43 100

74 19.6 20.8 31.2#





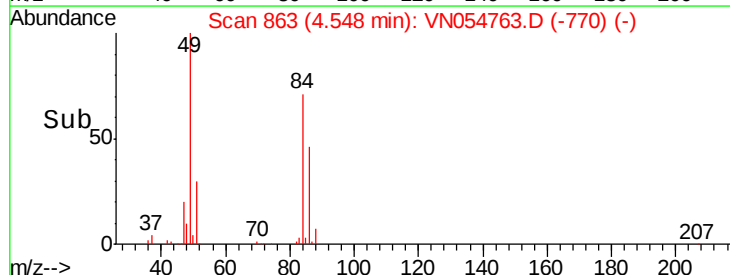
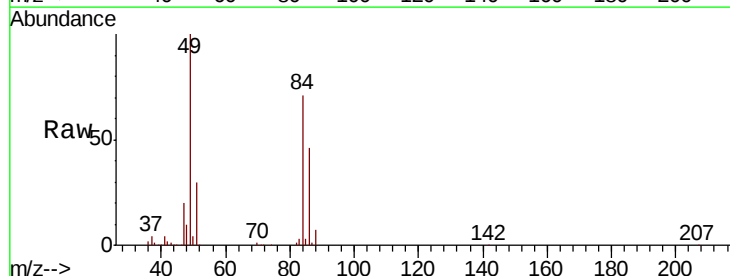
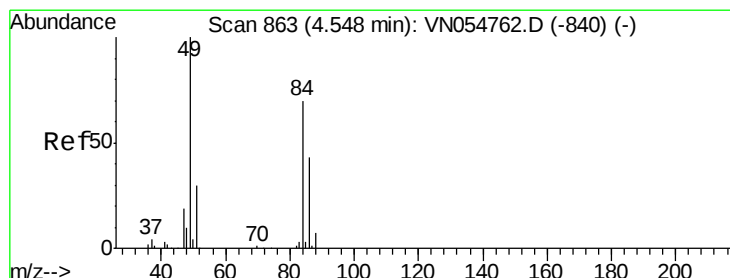
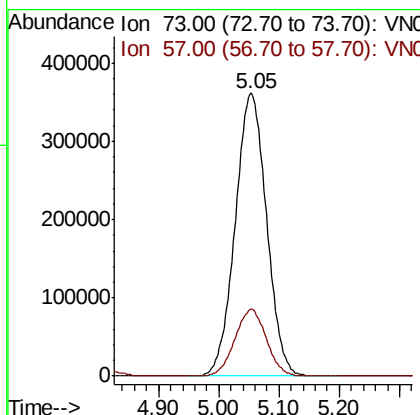
#19
Methvl tert-butvl Ether
Concen: 96.739 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tot Ion: 73 Resp: 1316539
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

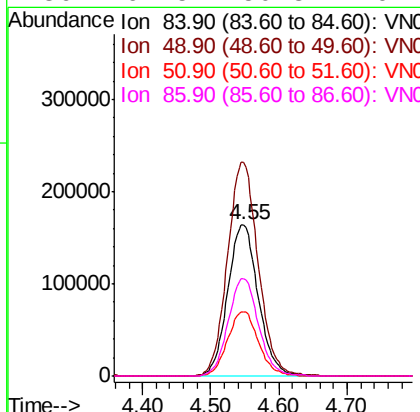
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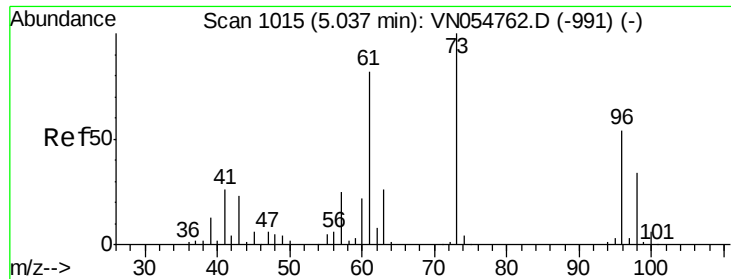
MMDadoda
4/1/2019 4:00:12 PM



#20
Methylene Chloride
Concen: 90.918 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 84 Resp: 510255
Ion Ratio Lower Upper
84 100
49 141.1 89.7 134.5#
51 42.5 28.2 42.4#
86 64.5 50.8 76.2





#21

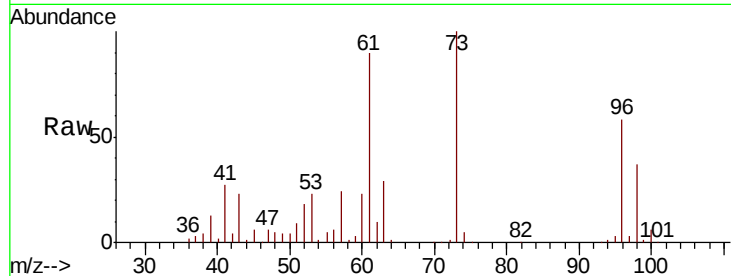
trans-1,2-Dichloroethene
Concen: 94.129 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	153.7	102.8	154.2	
98	62.9	50.0	75.0	

Manual Integrations
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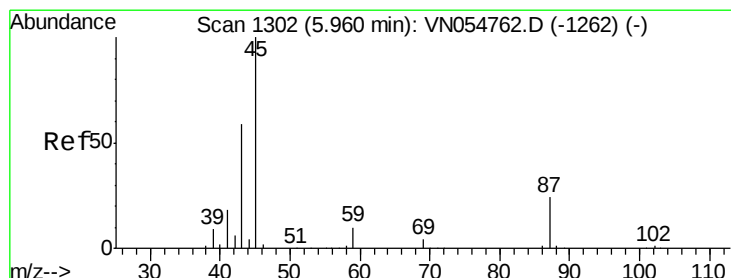
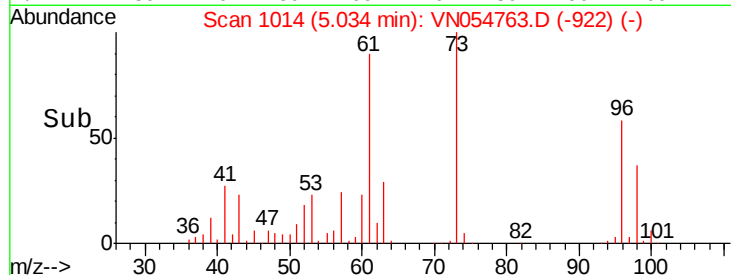
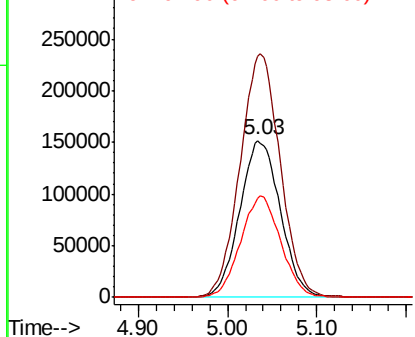


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 96.630 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.2	48.2	72.2	
87	23.4	24.9	37.3	
59	10.1	9.5	14.3	

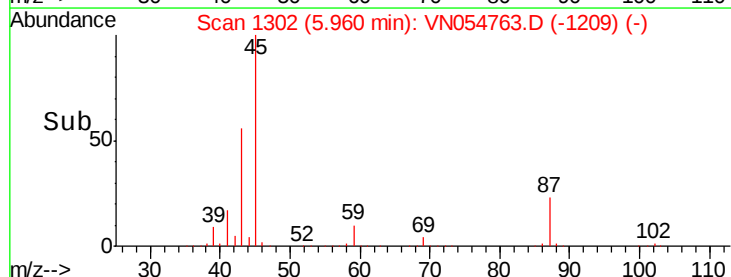
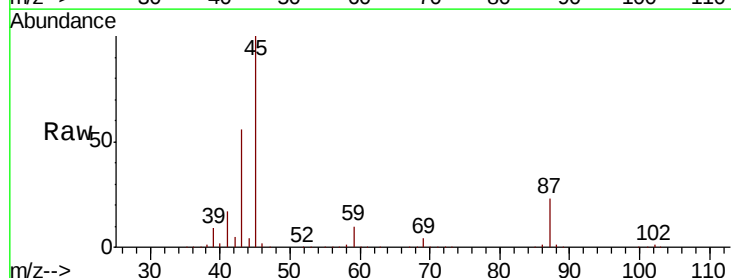
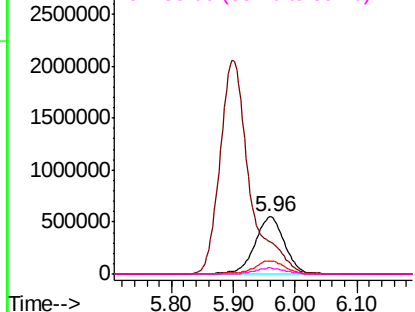
Abundance

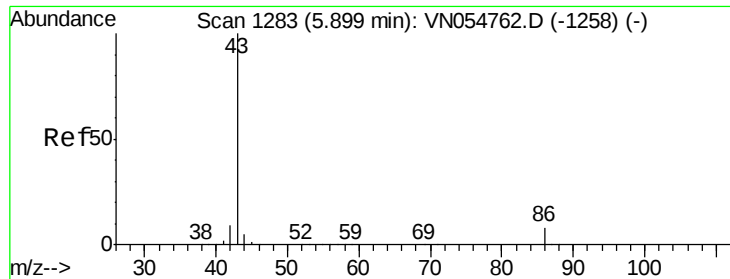
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





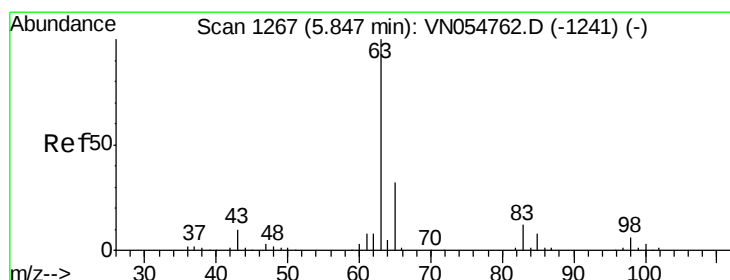
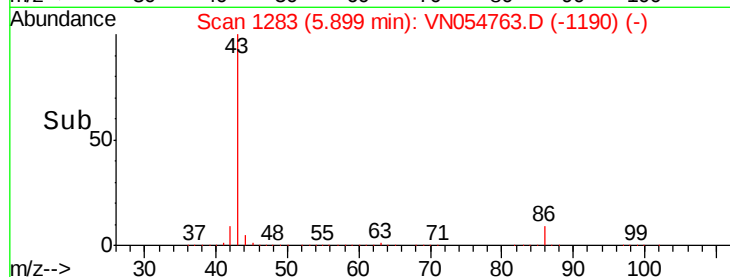
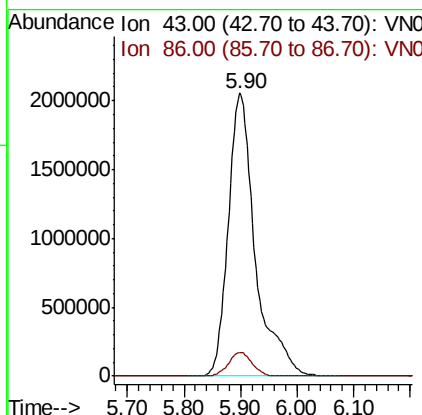
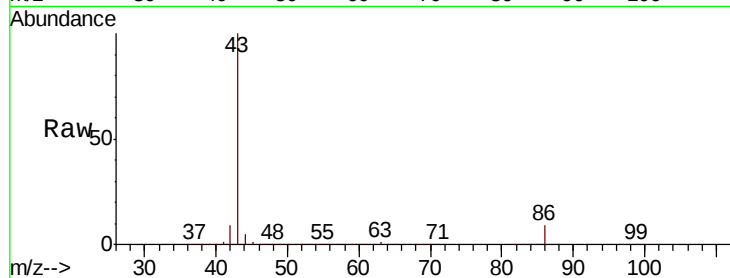
#23
 Vinyl Acetate
 Concen: 530.439 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 6831806
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#

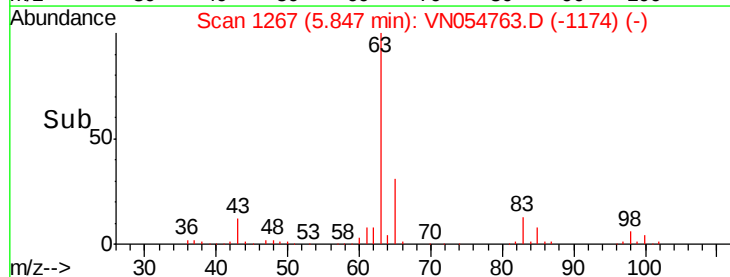
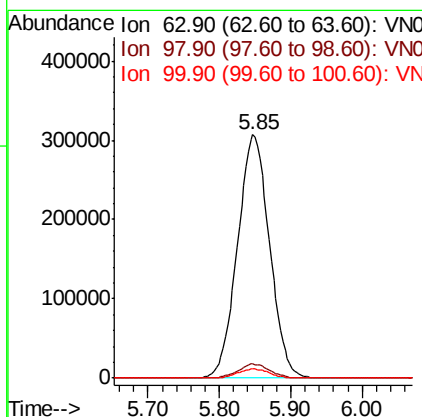
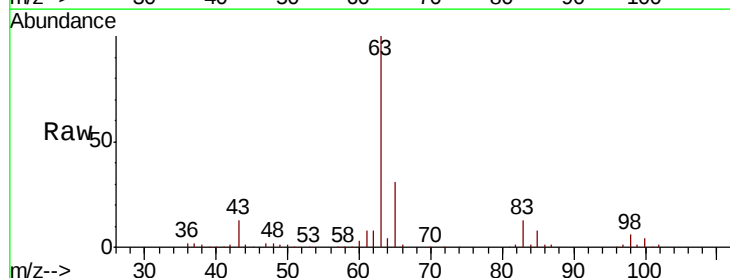
Manual Integrations
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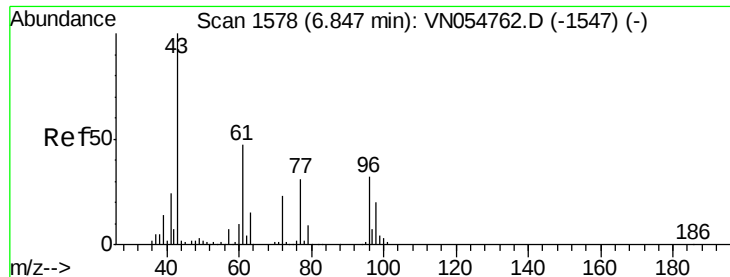
MMDadoda
 4/1/2019 4:00:12 PM



#24
 1,1-Dichloroethane
 Concen: 94.961 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 63 Resp: 960110
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.9 2.0 6.0





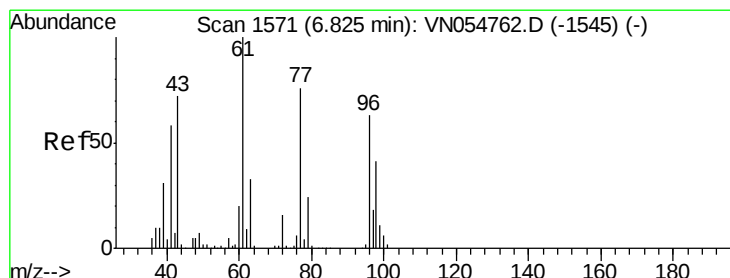
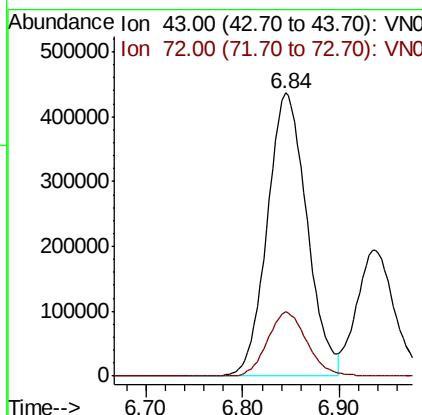
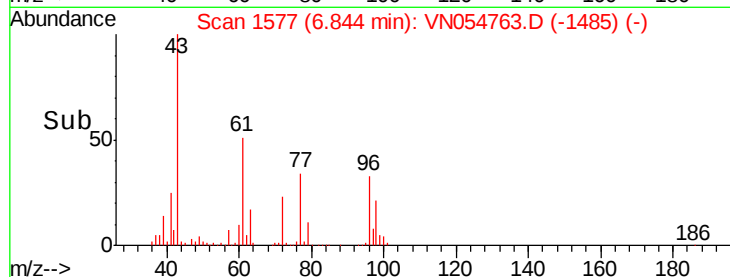
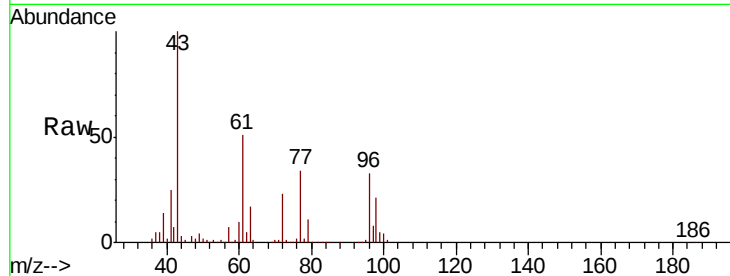
#25
2-Butanone
Concen: 526.834 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1239038
Ion Ratio Lower Upper
43 100
72 22.6 23.0 34.6#

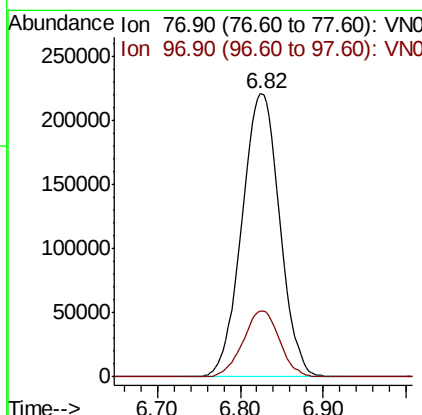
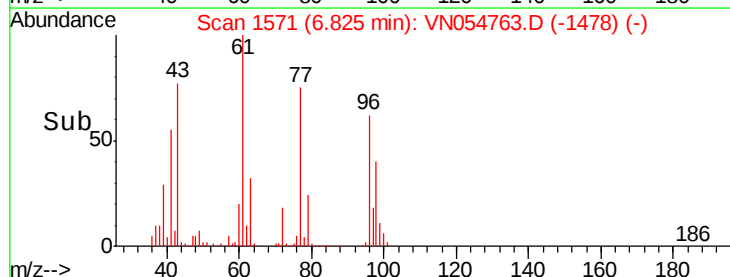
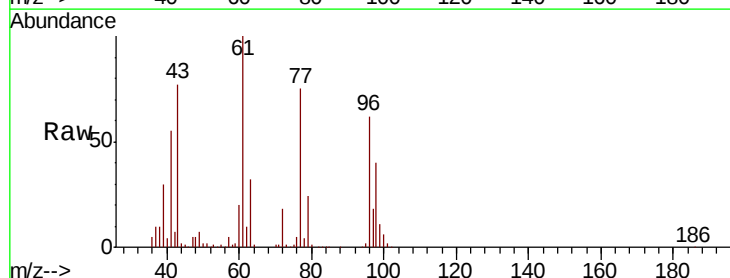
Manual Integrations
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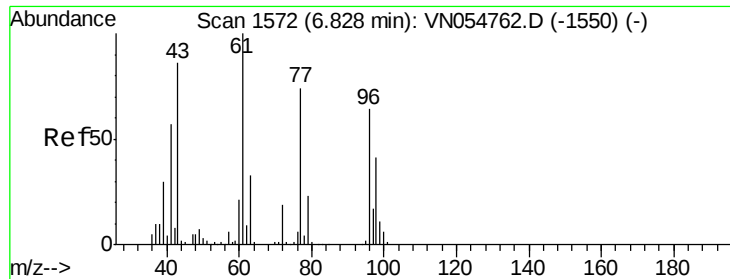
MMDadoda
4/1/2019 4:00:12 PM



#26
2,2-Dichloropropane
Concen: 98.740 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 77 Resp: 699705
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 95.145 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

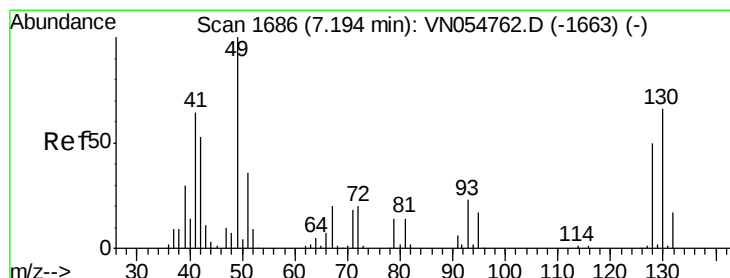
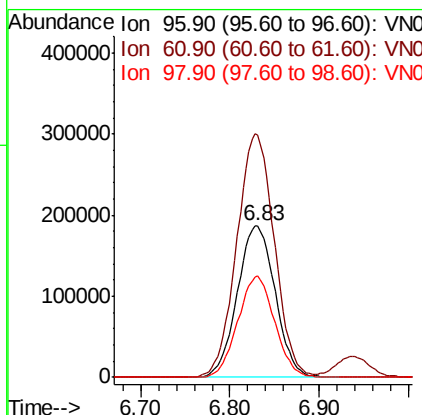
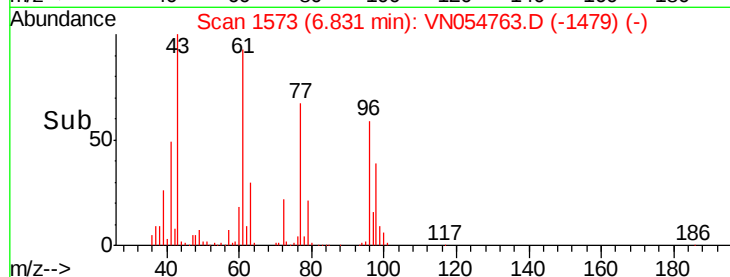
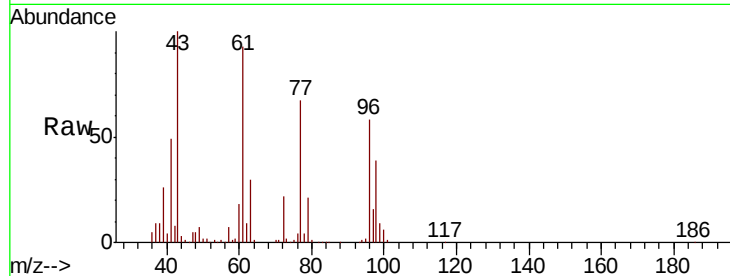
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	549257
Ion Ratio	Lower	Upper	
96	100		
61	159.5	0.0	273.0
98	65.0	0.0	130.6

Manual Integrations
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4/1/2019 4:00:12 PM



#28

Bromochloromethane

Concen: 95.987 ug/l

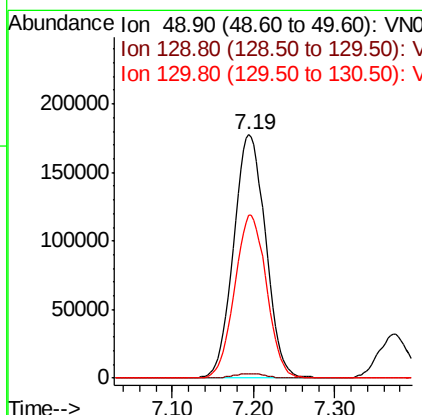
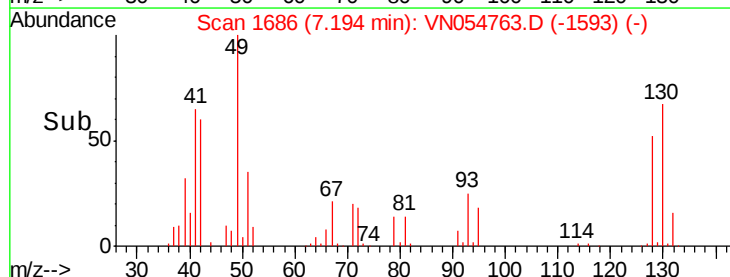
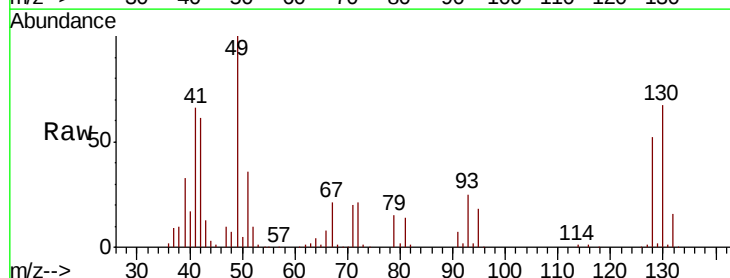
RT: 7.19 min Scan# 1686

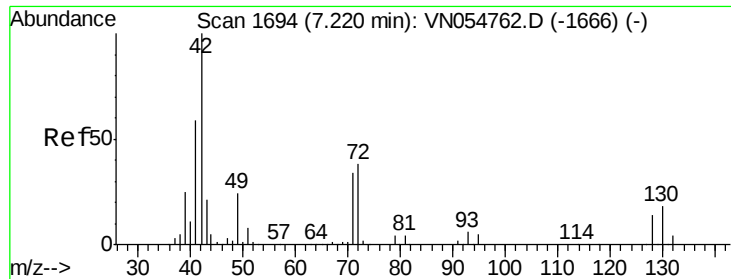
Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion:	49	Resp:	485278
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.6
130	66.4	76.7	115.1#





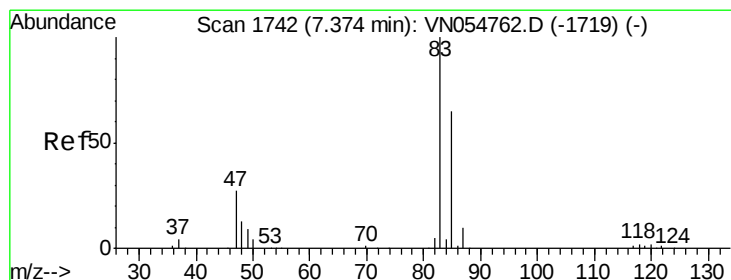
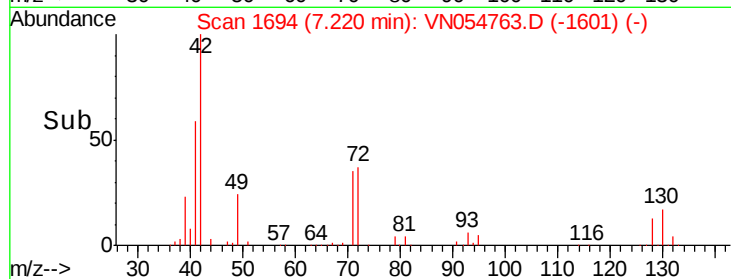
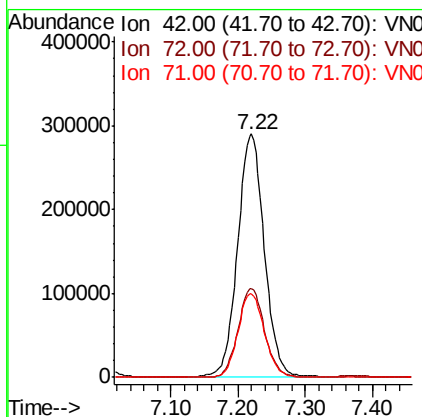
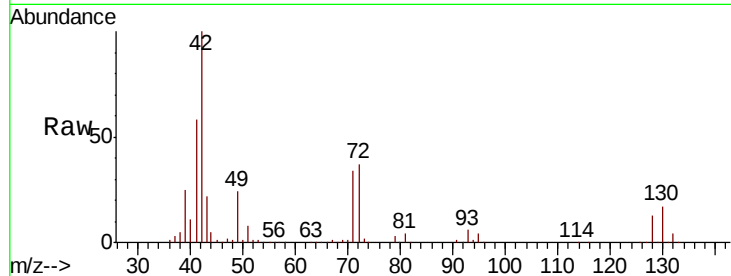
#29
Tetrahydrofuran
Concen: 487.994 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.8	56.6#
71	34.3	36.2	54.2#

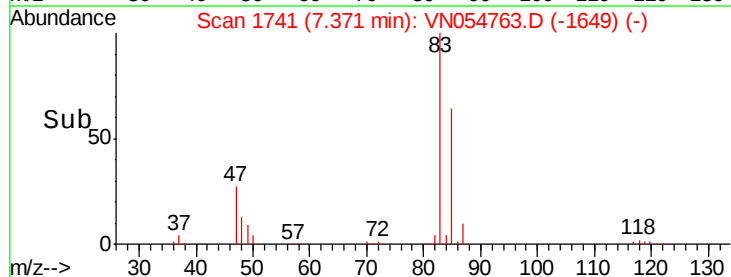
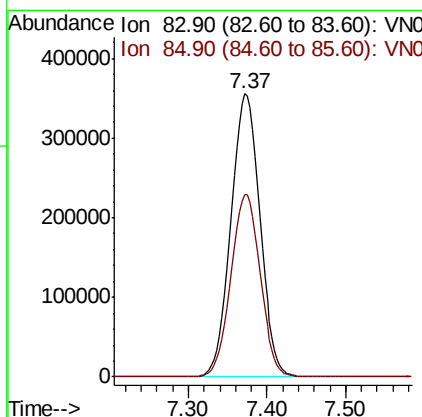
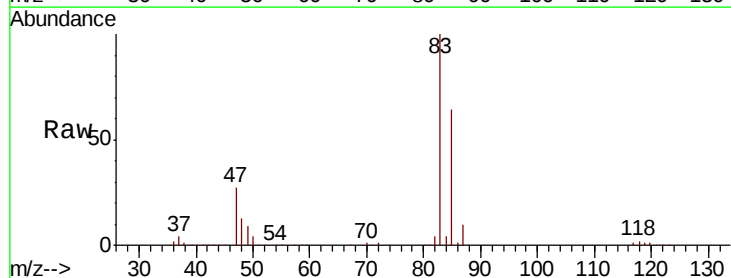
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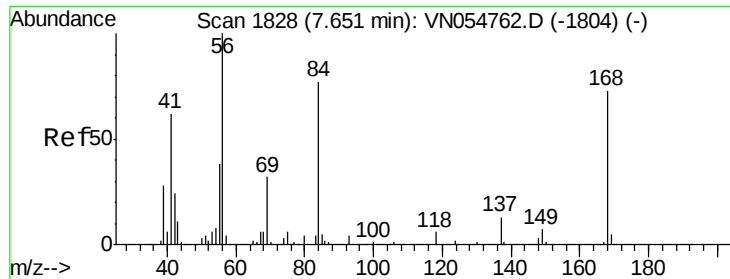
MMDadoda
4/1/2019 4:00:12 PM



#30
Chloroform
Concen: 94.658 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4





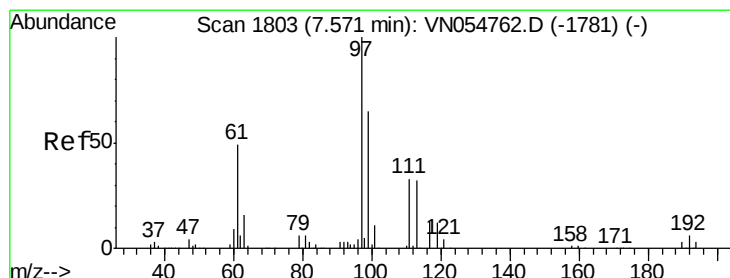
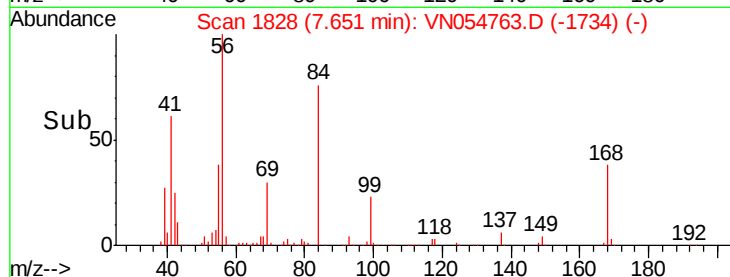
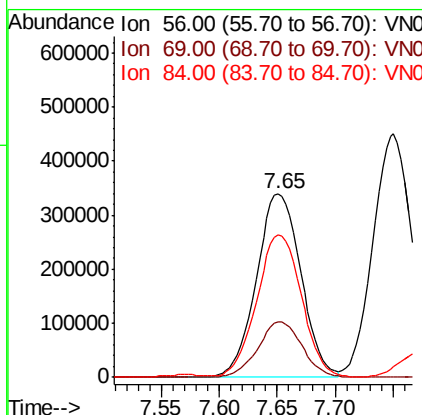
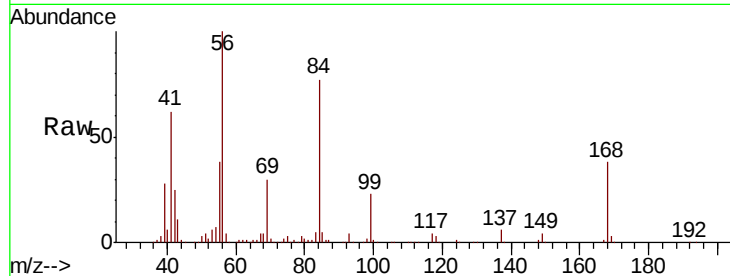
#31
Cyclohexane
Concen: 77.893 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	27.8	41.6
84	76.0	74.6	111.8

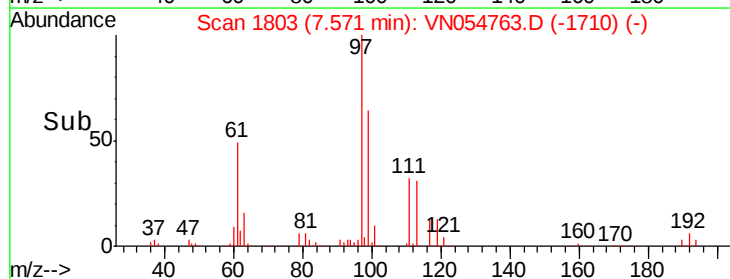
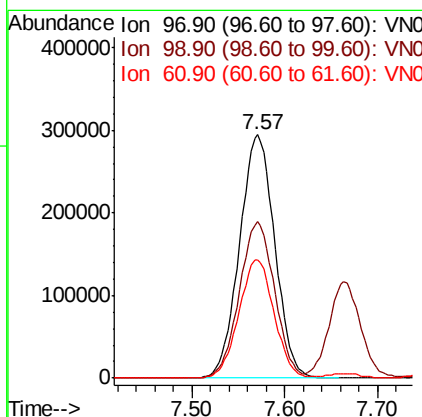
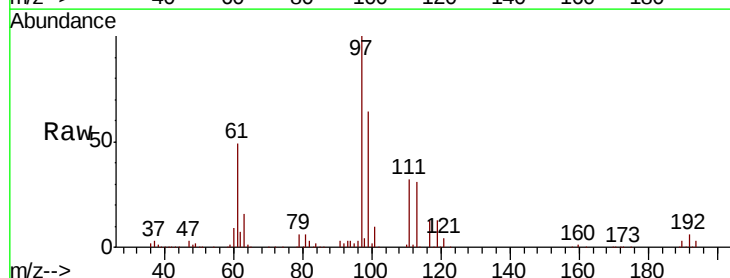
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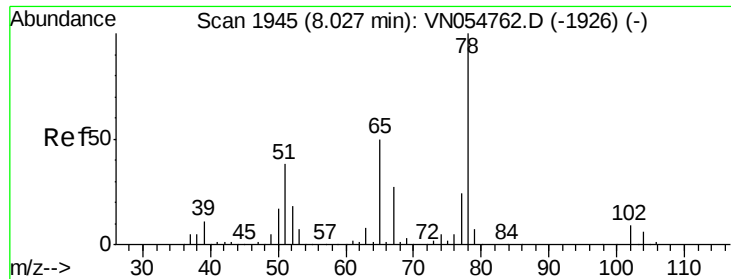
MMDadoda
4/1/2019 4:00:12 PM



#32
1,1,1-Trichloroethane
Concen: 97.282 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	48.7	33.6	50.4





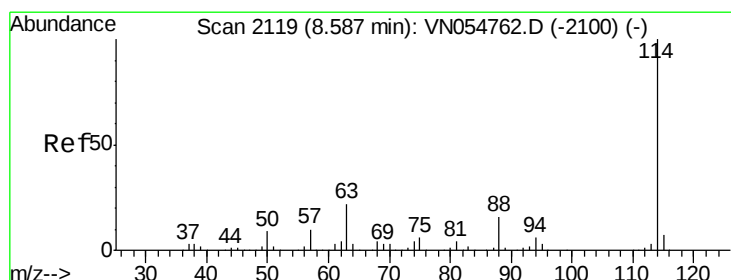
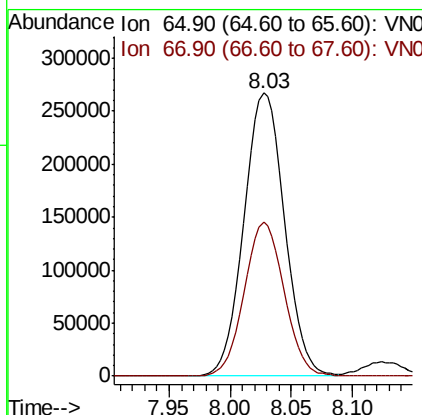
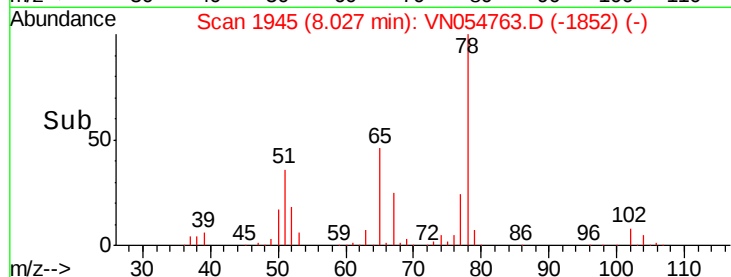
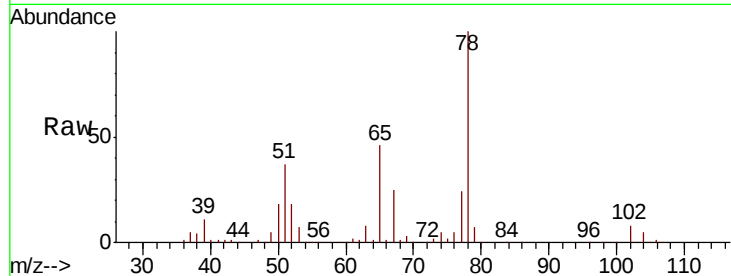
#33
 1,2-Dichloroethane-d4
 Concen: 92.382 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	104.6	

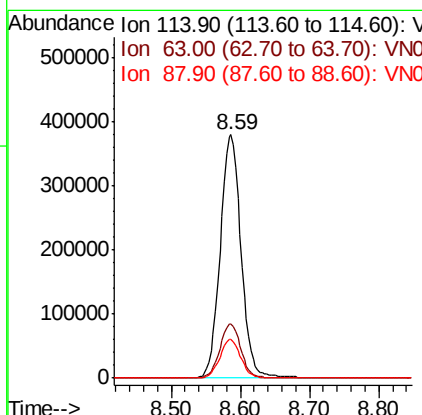
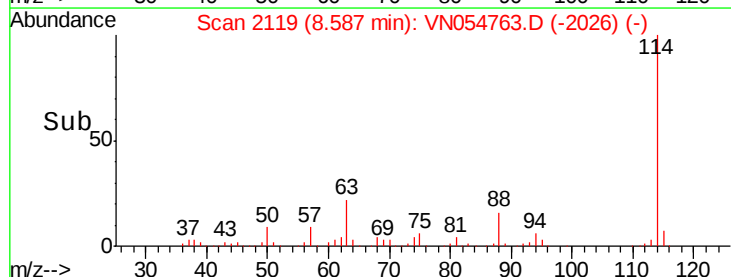
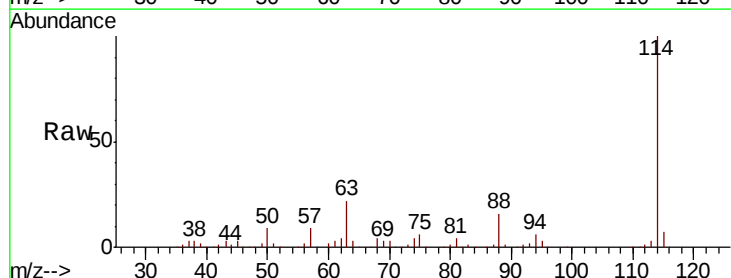
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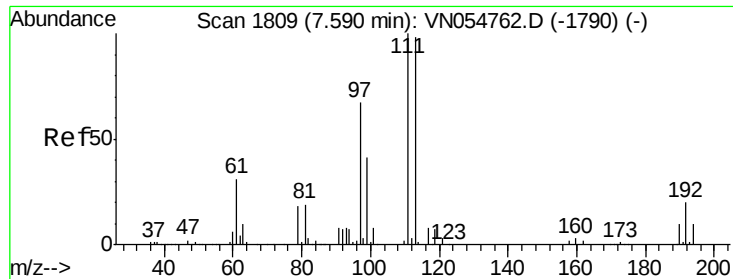
MMDadoda
 4/1/2019 4:00:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

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





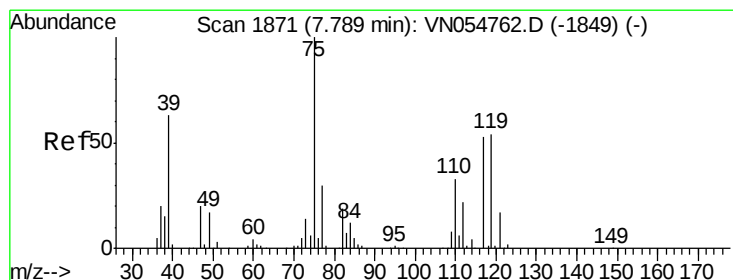
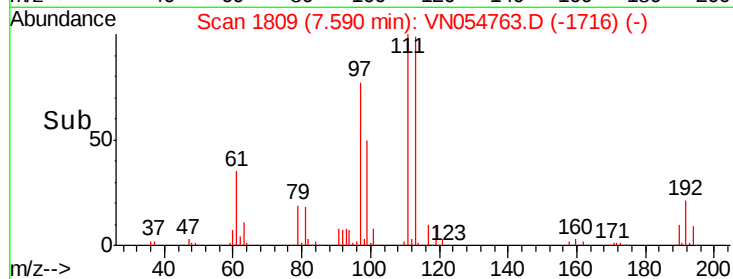
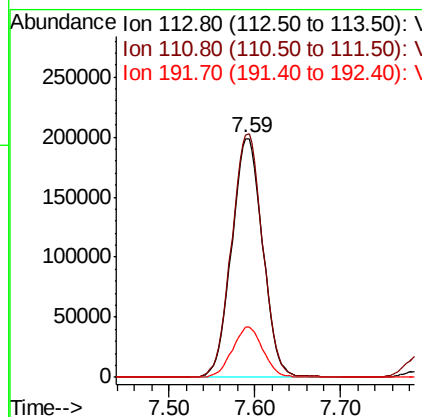
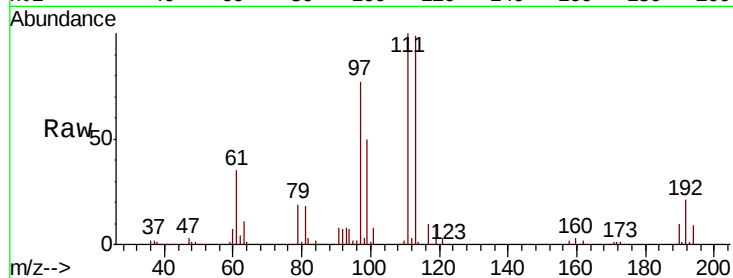
#35
 Dibromofluoromethane
 Concen: 93.744 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	497103		
111	102.4	82.2	123.4	
192	20.8	19.2	28.8	

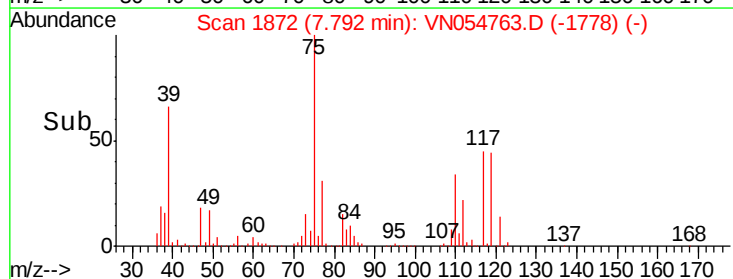
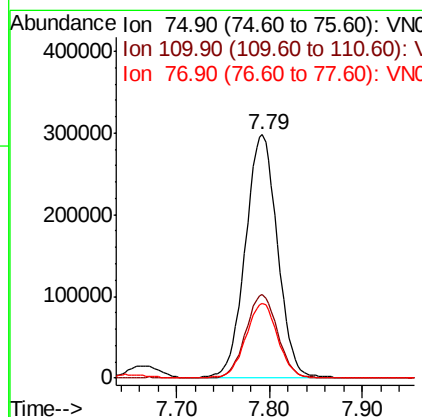
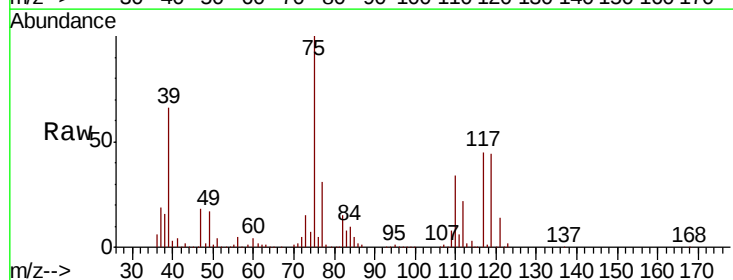
Manual Integrations
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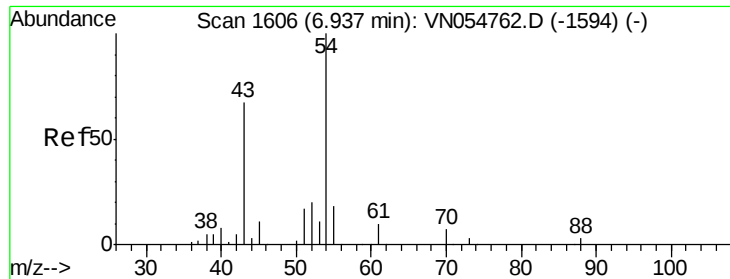
MMDadoda
 4/1/2019 4:00:12 PM



#36
 1,1-Dichloropropene
 Concen: 98.095 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	712196		
110	34.3	19.1	57.5	
77	31.0	25.0	37.4	





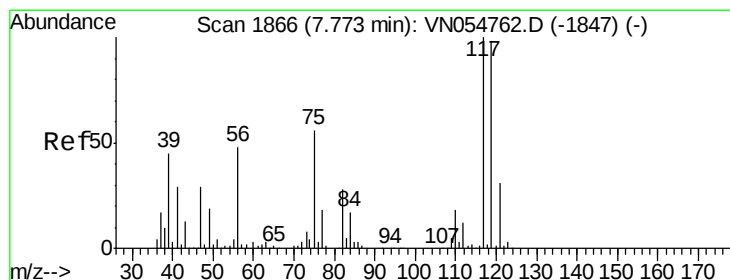
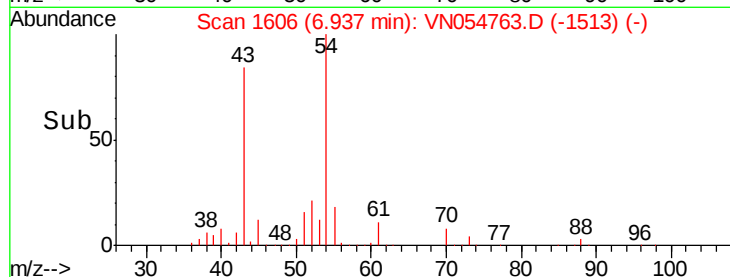
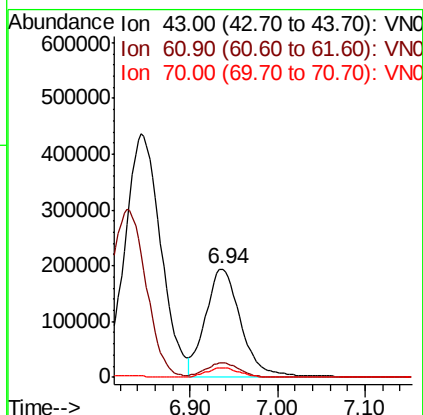
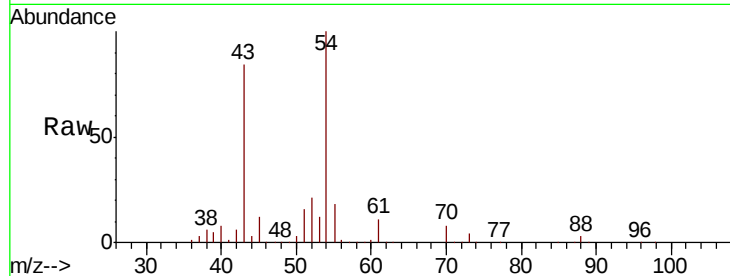
#37
Ethyl Acetate
Concen: 100.840 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.6
70	8.7	8.4	12.6

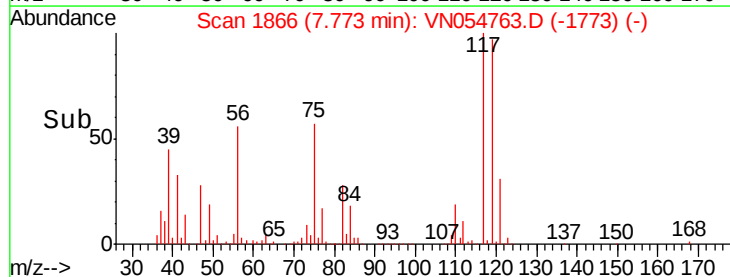
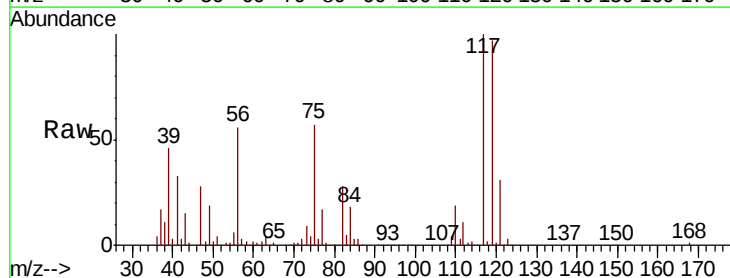
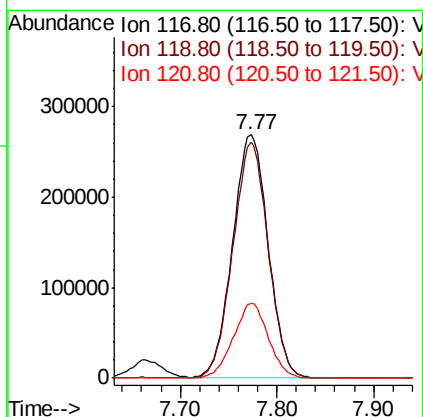
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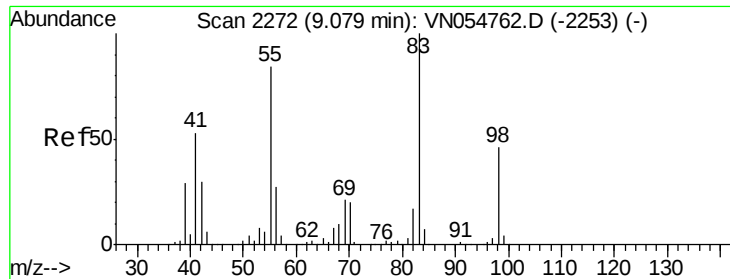
MMDadoda
4/1/2019 4:00:12 PM



#38
Carbon Tetrachloride
Concen: 95.386 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.3	114.5
121	30.9	24.6	36.8





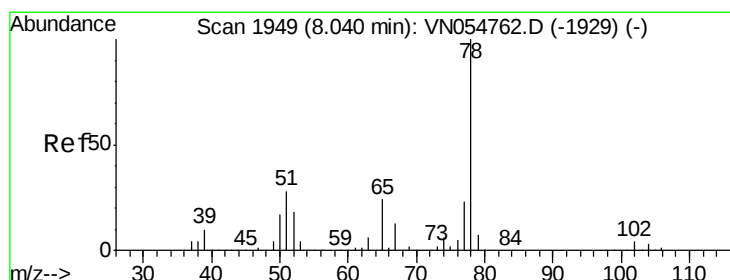
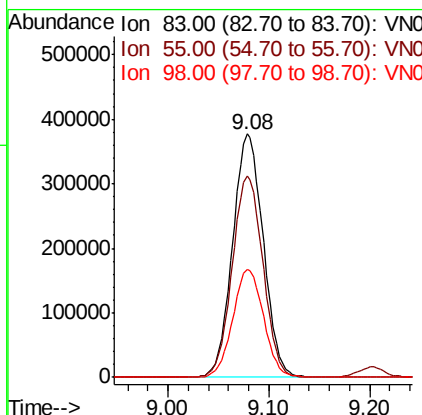
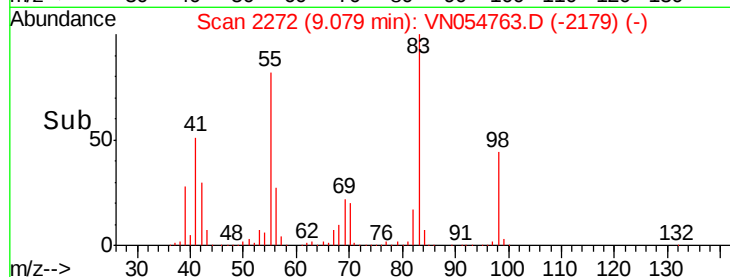
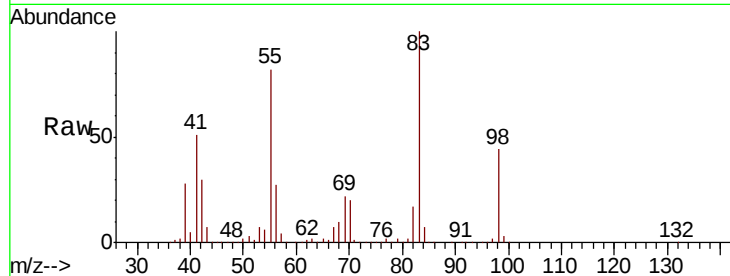
#39
Methvlcvclohexane
Concen: 97.668 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	795803
Ion Ratio	100	Lower	Upper
83	100		
55	82.4	56.6	84.8
98	44.3	38.4	57.6

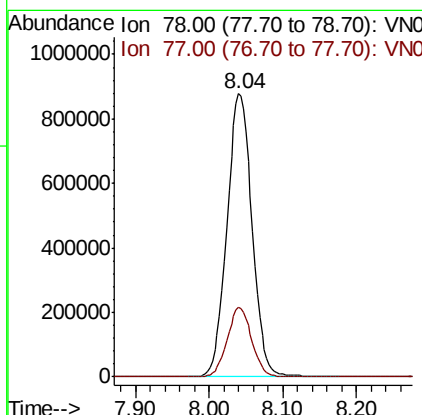
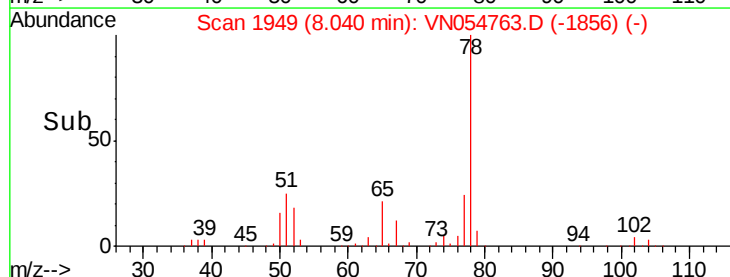
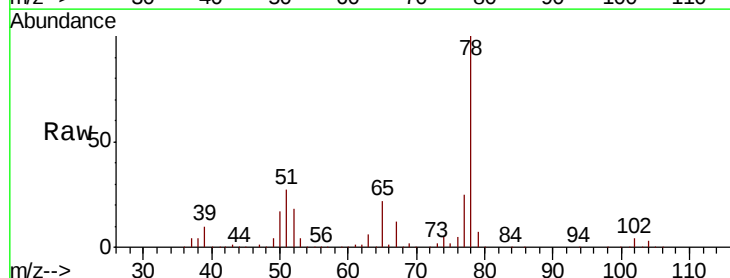
Manual Integrations
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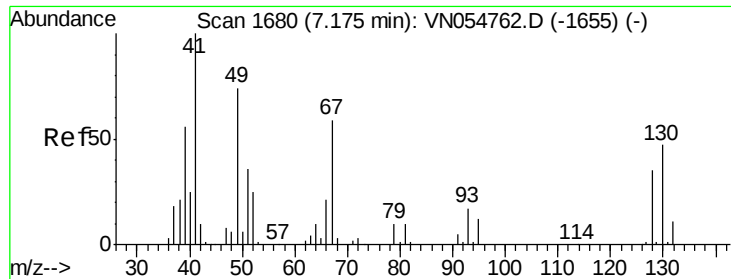
MMDadoda
4/1/2019 4:00:12 PM



#40
Benzene
Concen: 97.827 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	78	Resp	2074612
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	19.1	28.7





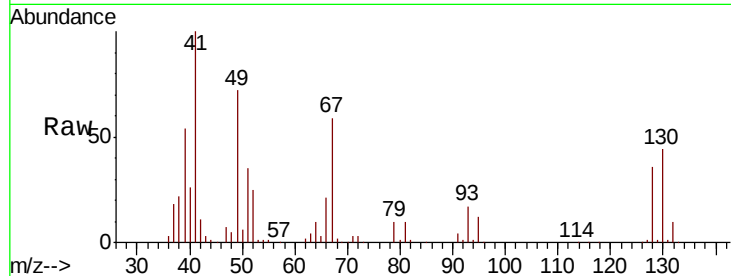
#41
Methacrylonitrile
Concen: 103.358 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	315563
Ion	Ratio	Lower	Upper
41	100		
39	61.2	46.8	70.2
67	66.0	67.0	100.4
52	29.0	26.5	39.7

Manual Integrations
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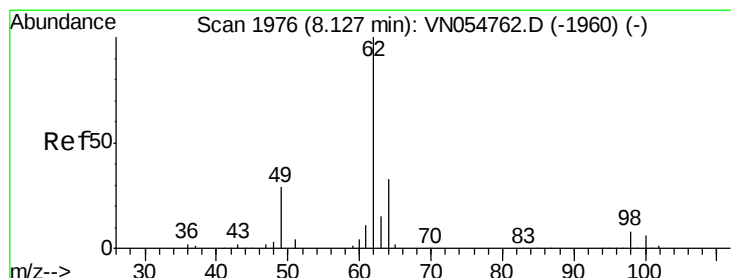
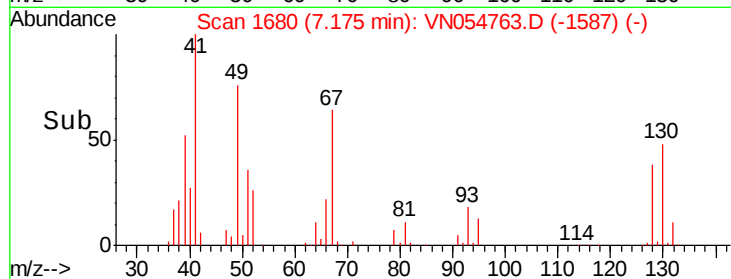
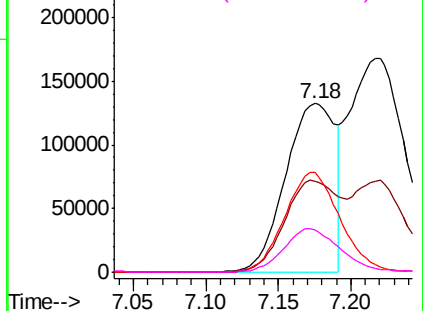
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

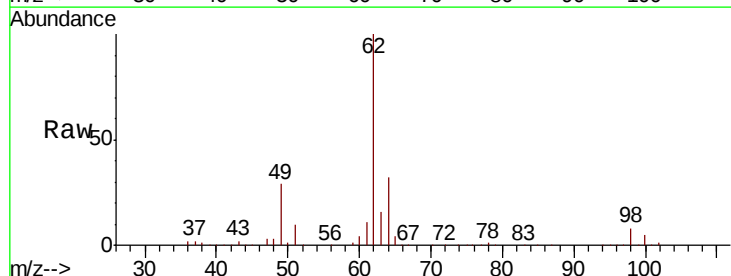
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 95.776 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

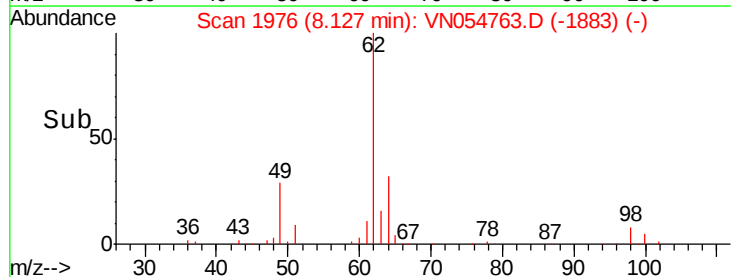
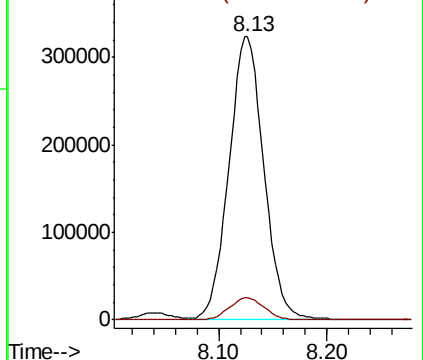
Tgt Ion	62	Resp	725228
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4

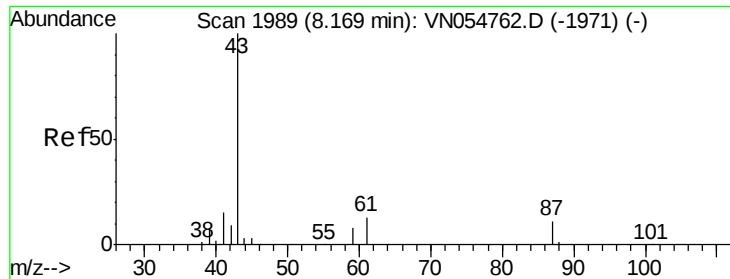


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 107.121 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

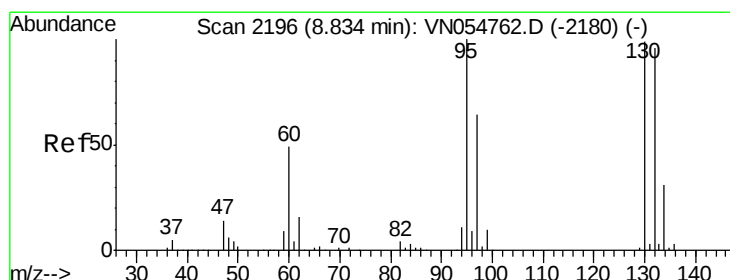
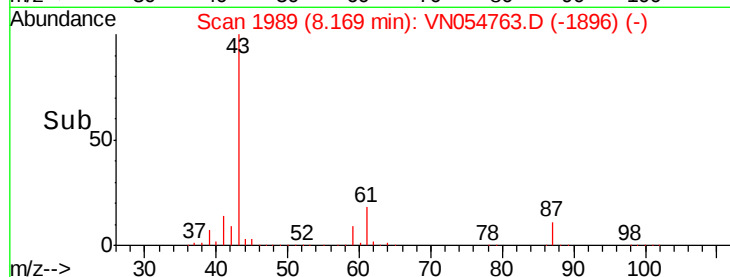
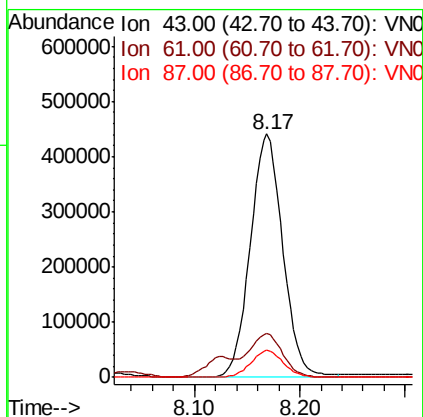
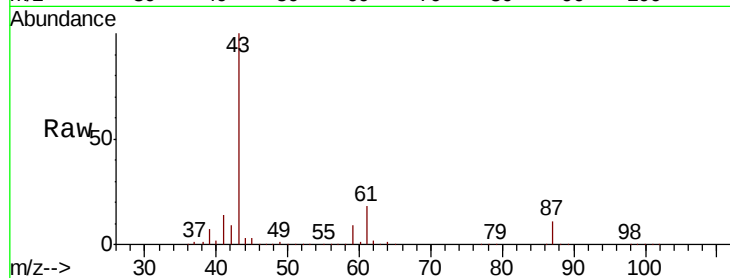
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	945996
Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.0	12.0	18.0#

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#44

Trichloroethene

Concen: 97.922 ug/l

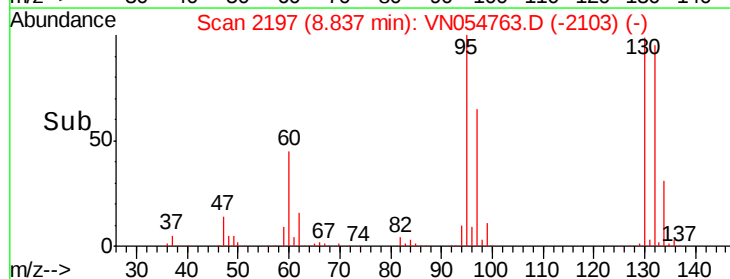
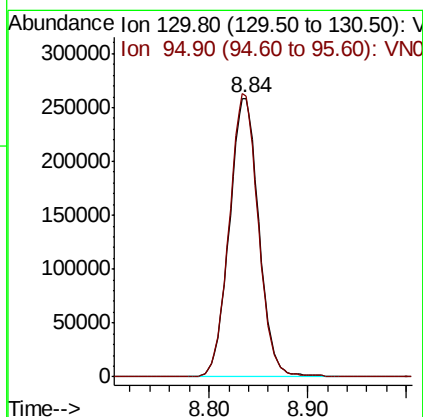
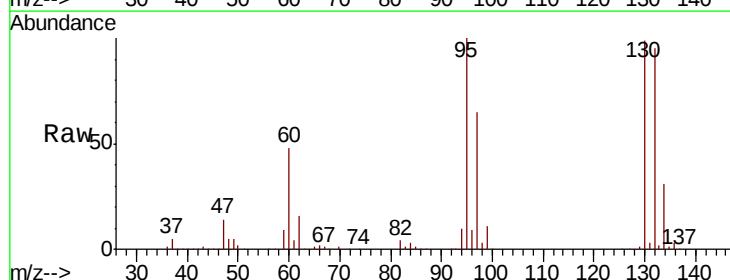
RT: 8.84 min Scan# 2197

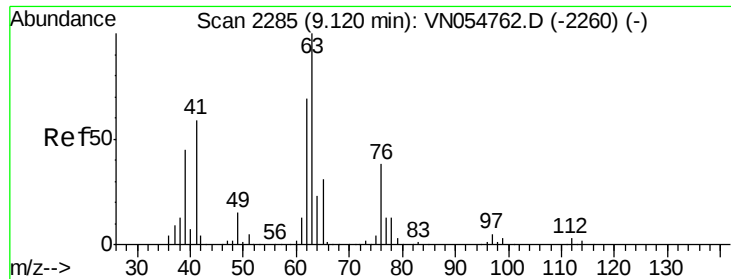
Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion:	130	Resp:	539068
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 95.994 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 580473

Ion Ratio Lower Upper

63 100

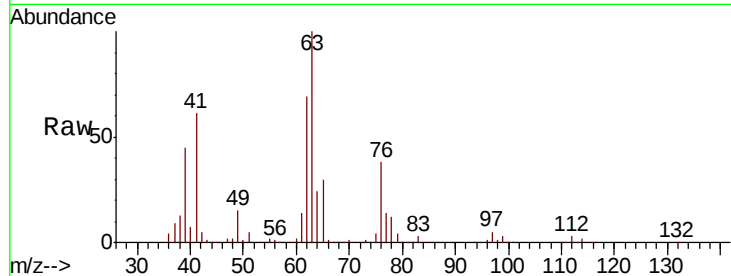
65 30.0 25.0 37.6

Manual Integrations

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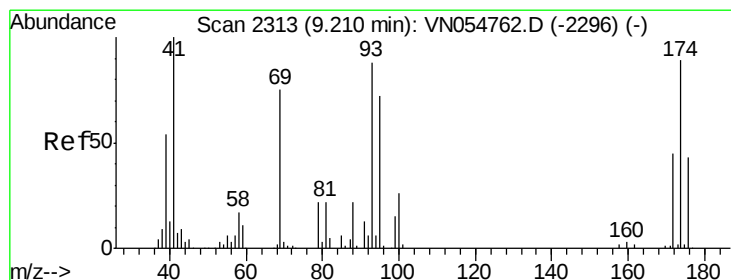
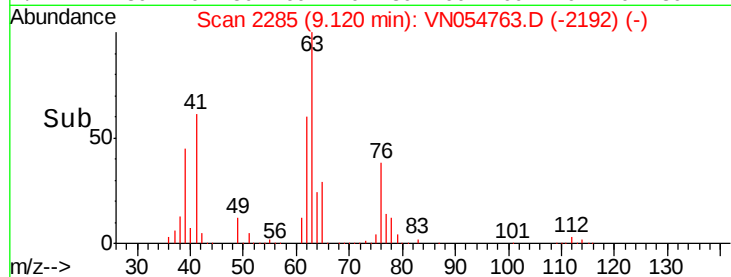
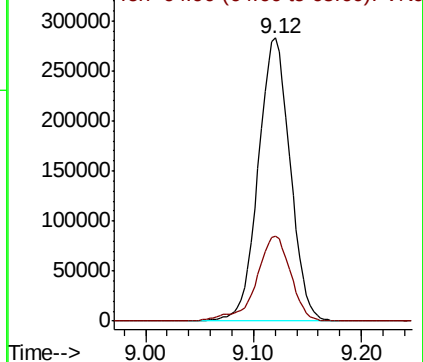
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 98.418 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

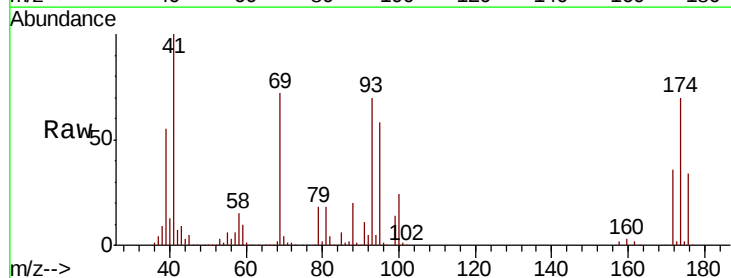
Tgt Ion: 93 Resp: 334787

Ion Ratio Lower Upper

93 100

95 82.4 66.7 100.1

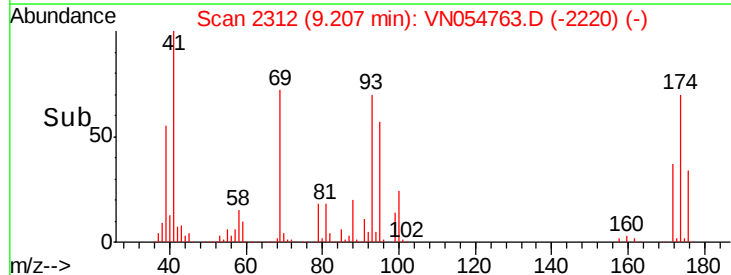
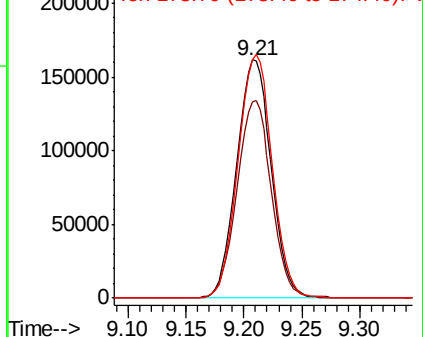
174 101.5 98.5 147.7

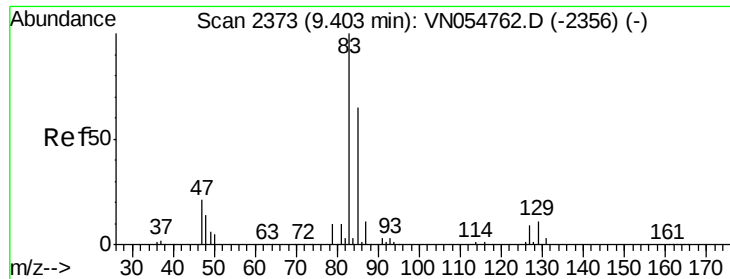


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 102.112 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

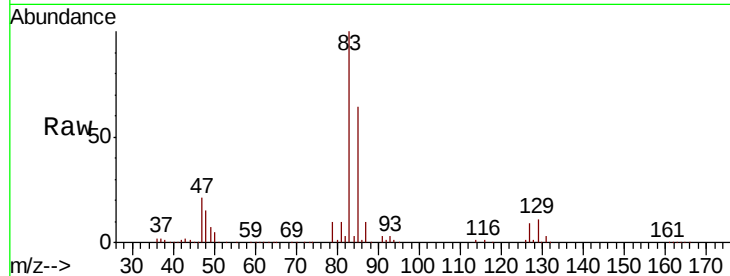
ClientSampleId :

VSTDIC100

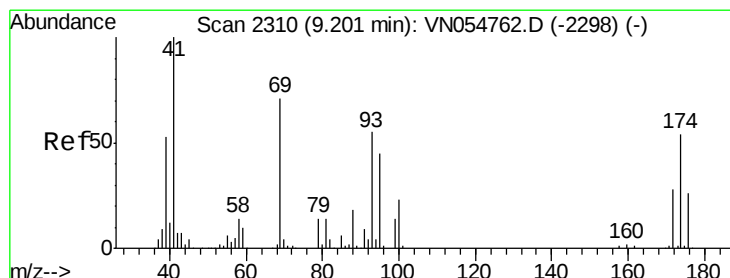
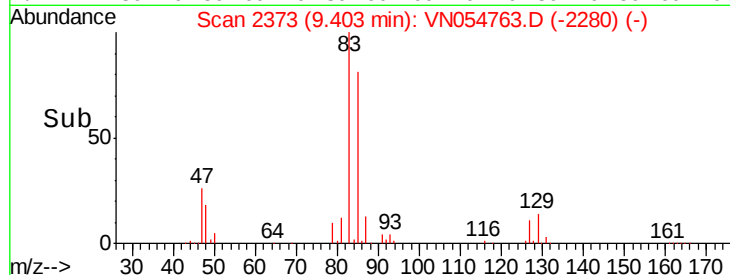
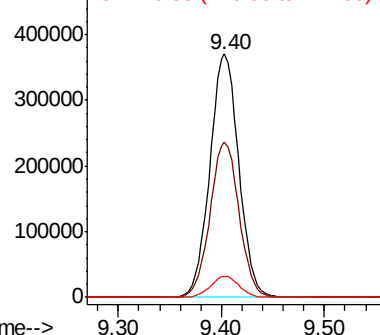
Tot Ion:	83	Resp:	721892
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 103.593 ug/l

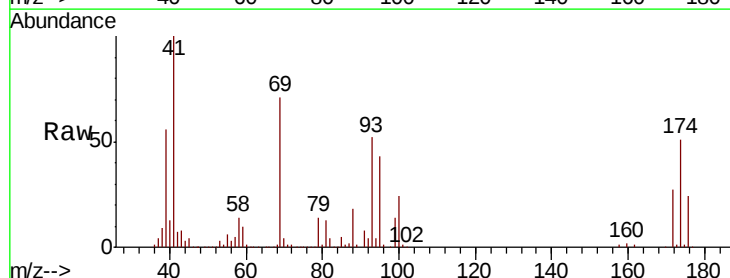
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

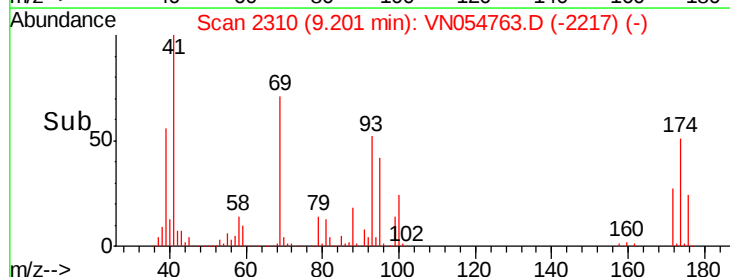
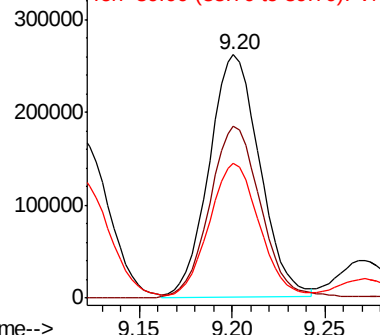
Lab File: VN054763.D

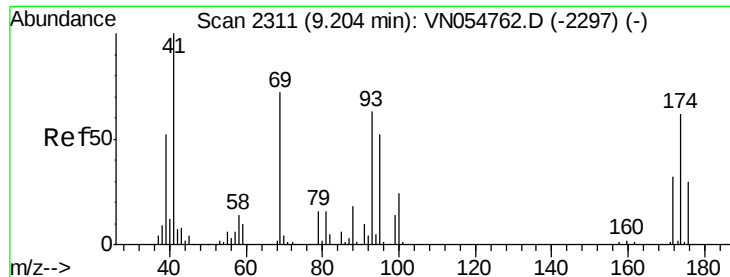
Acq: 29 Mar 2019 11:46

Tgt Ion:	41	Resp:	495913
Ion Ratio	Lower	Upper	
41	100		
69	72.3	72.6	108.8#
39	55.4	47.5	71.3



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





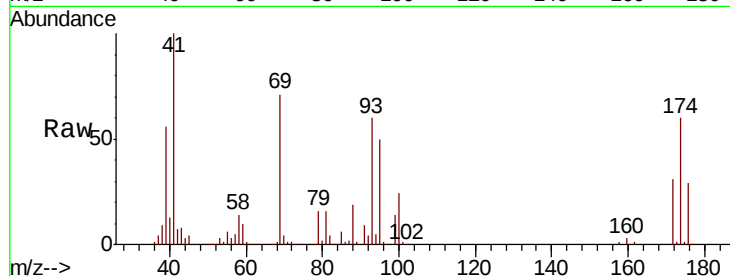
#49
1,4-Dioxane
Concen: 2106.110 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	88	Resp	100038
Ion Ratio	Lower	Upper	
88	100		
43	40.6	24.1	36.1#
58	75.3	50.8	76.2

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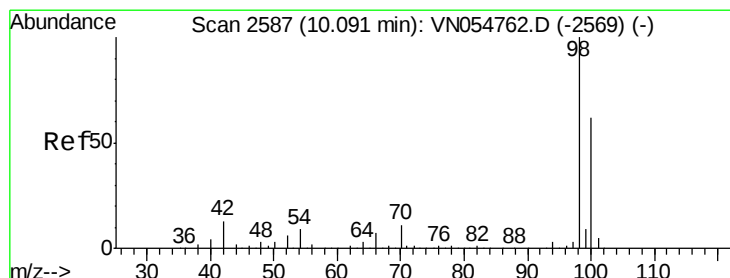
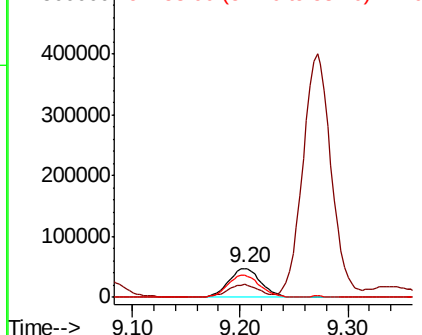
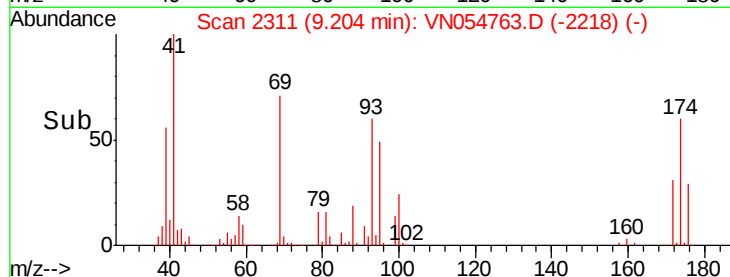


Abundance

Ion 88.00 (87.70 to 88.70): VN054763.D (-2218) (-)

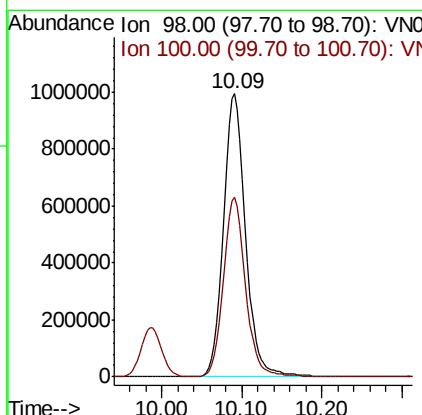
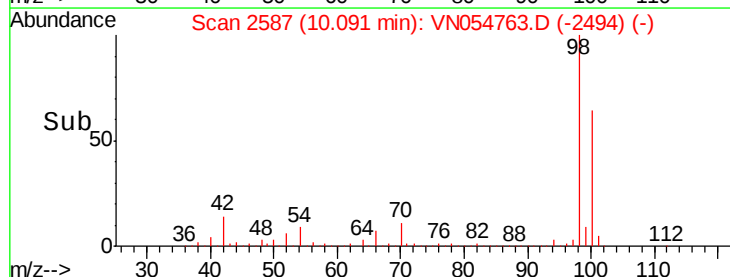
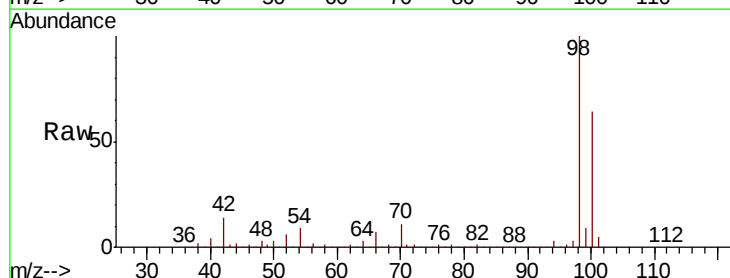
Ion 43.00 (42.70 to 43.70): VN054763.D (-2218) (-)

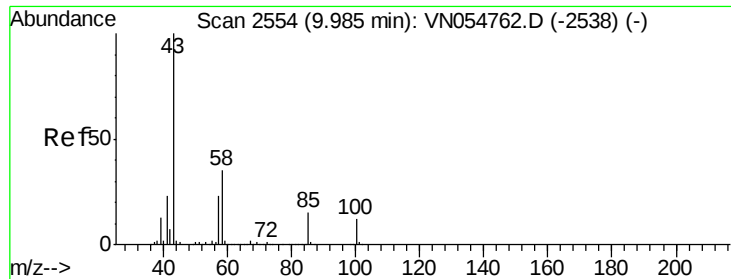
Ion 58.00 (57.70 to 58.70): VN054763.D (-2218) (-)



#50
Toluene-d8
Concen: 96.163 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	98	Resp	1895814
Ion Ratio	Lower	Upper	
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 530.080 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2631880

Ion Ratio Lower Upper

43 100

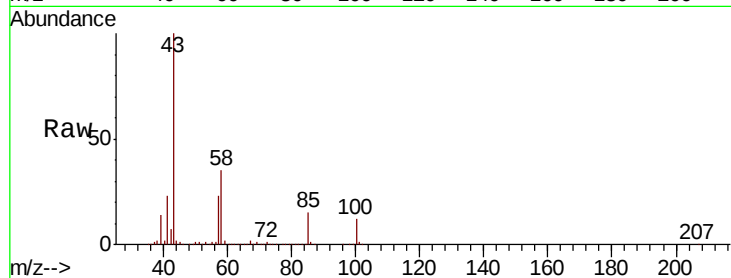
58 35.3 31.8 47.6

Manual Integrations

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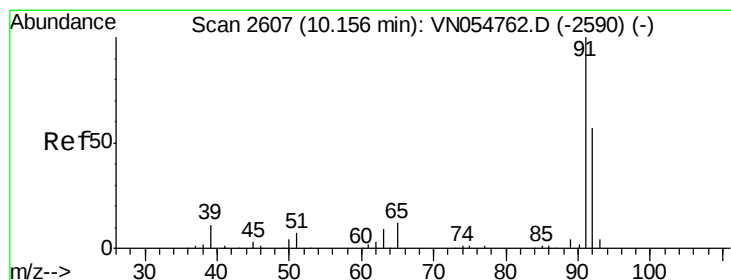
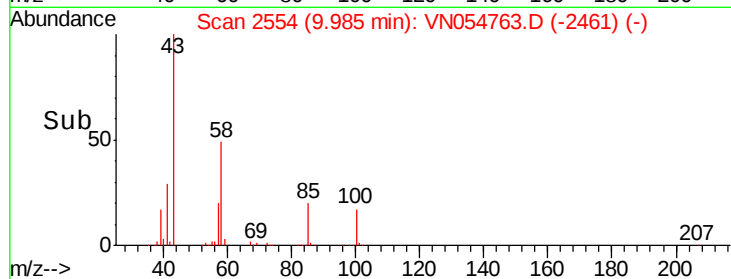
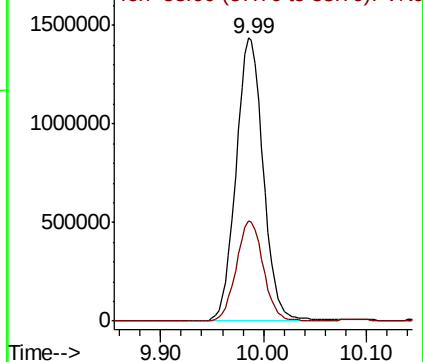
MMDadoda

4/1/2019 4:00:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 98.959 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054763.D

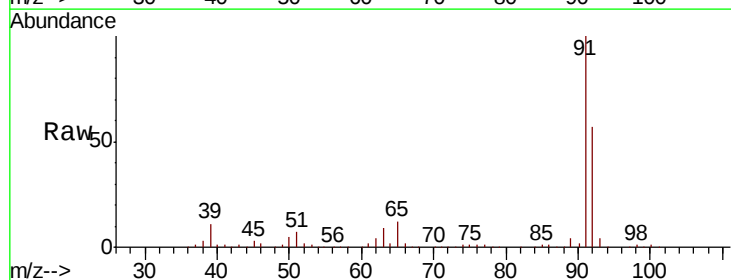
Acq: 29 Mar 2019 11:46

Tgt Ion: 92 Resp: 1248759

Ion Ratio Lower Upper

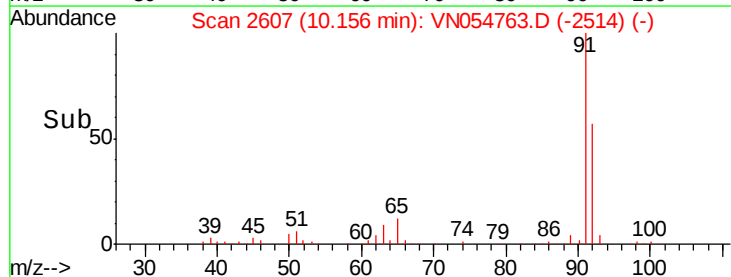
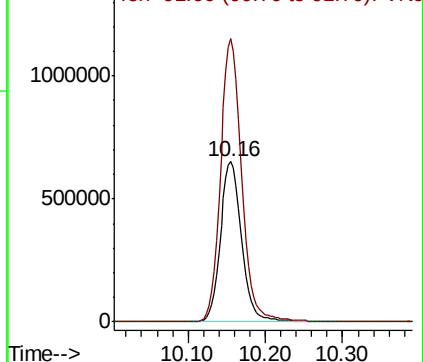
92 100

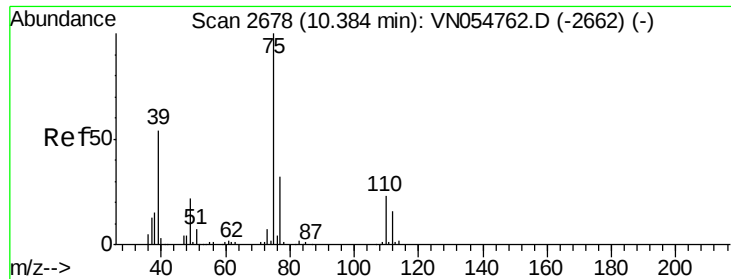
91 176.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





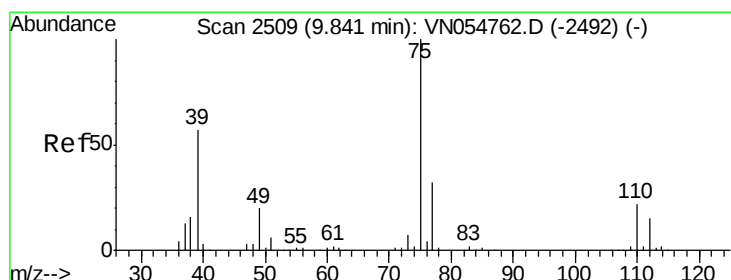
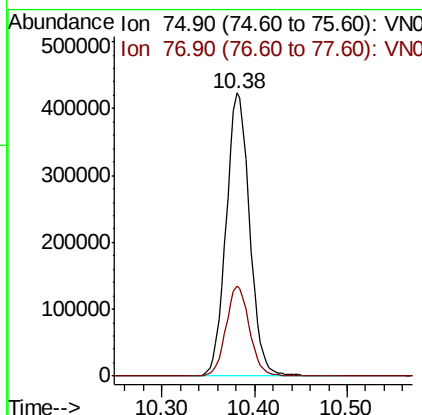
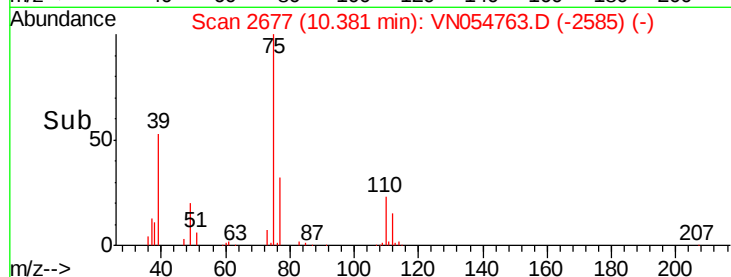
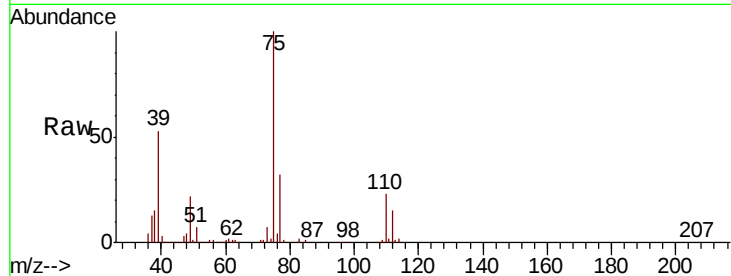
#53
t-1,3-Dichloropropene
Concen: 112.025 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 744989
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8

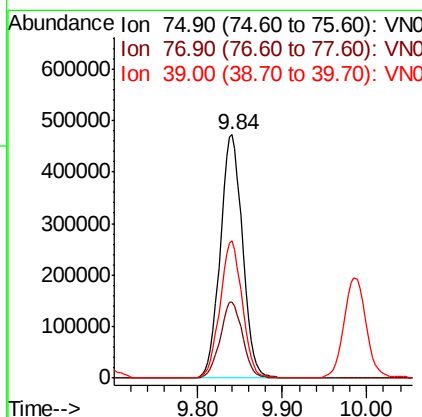
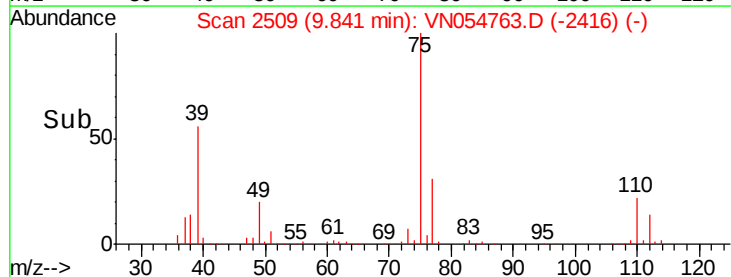
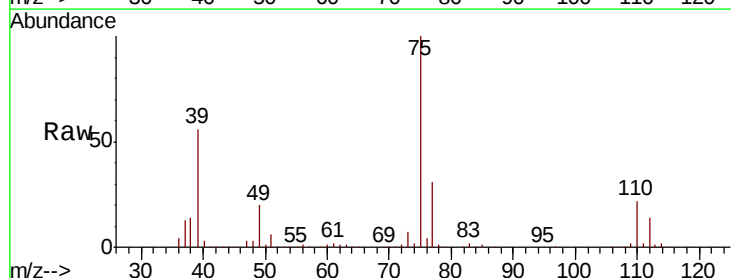
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 109.180 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 75 Resp: 867324
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 56.2 37.2 55.8#





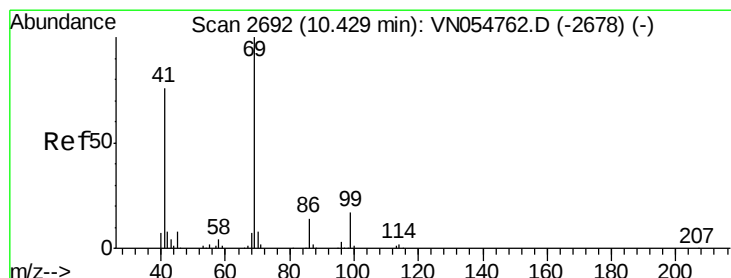
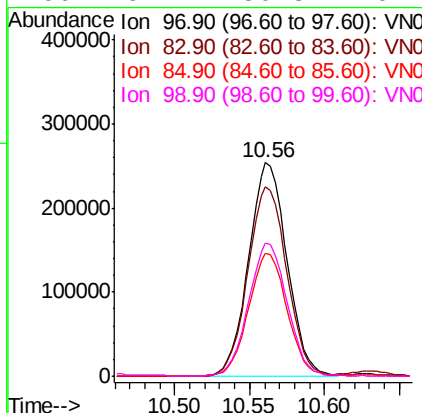
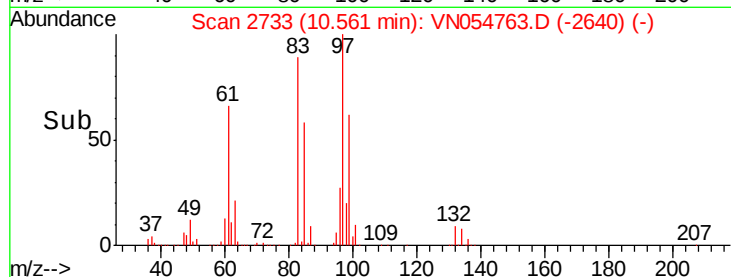
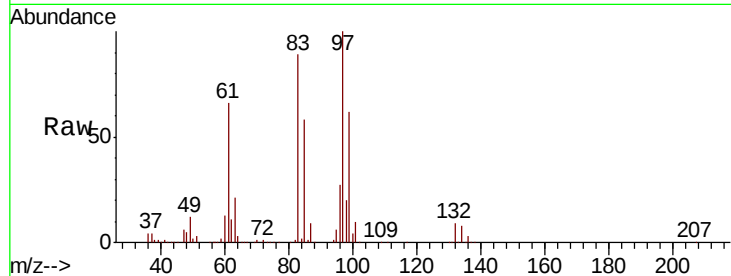
#55
 1,1,2-Trichloroethane
 Concen: 96.604 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.6	100.0
85	57.7	44.4	66.6
99	62.2	50.8	76.2

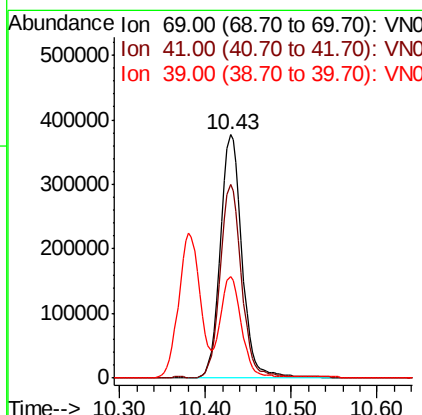
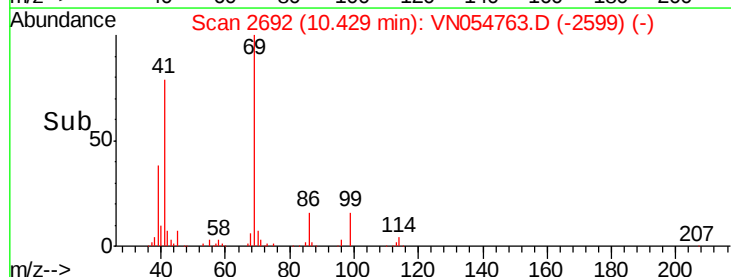
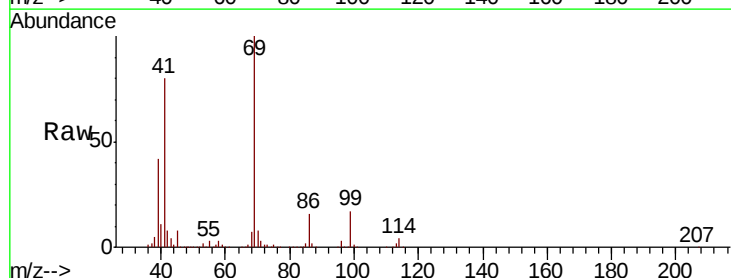
Manual Integrations
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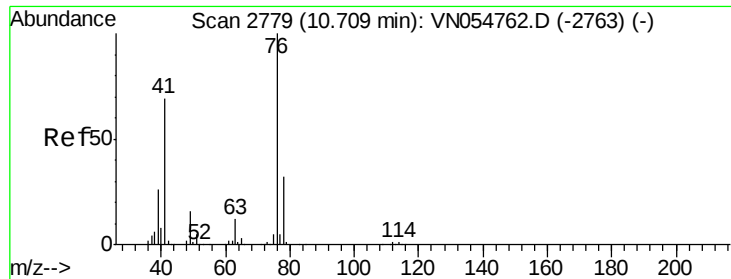
MMDadoda
 4/1/2019 4:00:12 PM



#56
 Ethyl methacrylate
 Concen: 108.023 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.5	49.4	74.2#
39	40.5	28.3	42.5





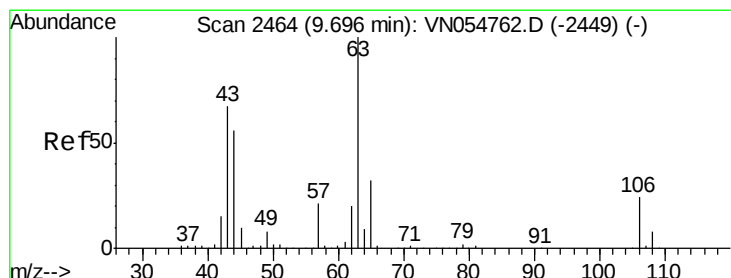
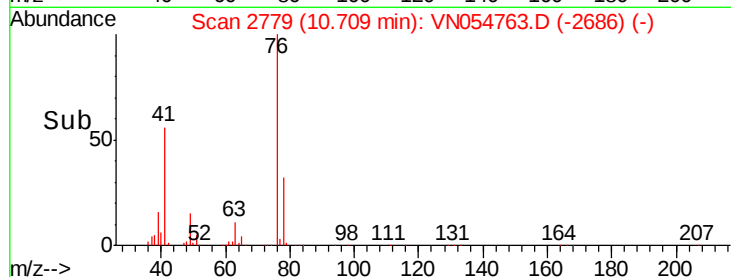
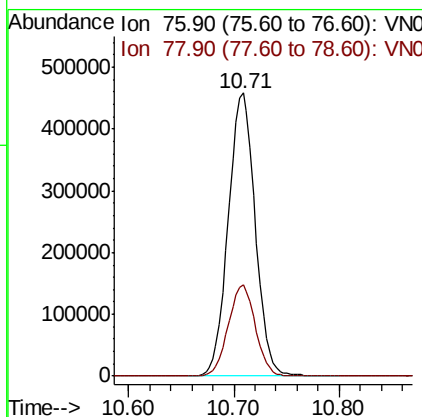
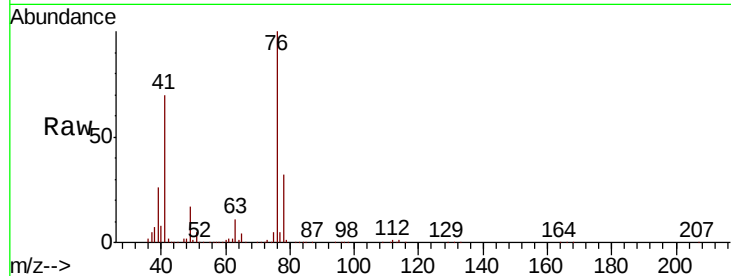
#57
 1,3-Dichloropropane
 Concen: 100.282 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 808966
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

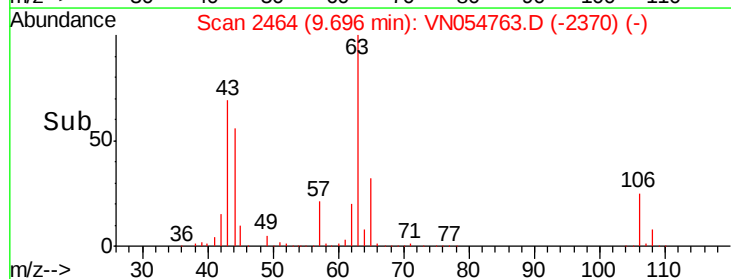
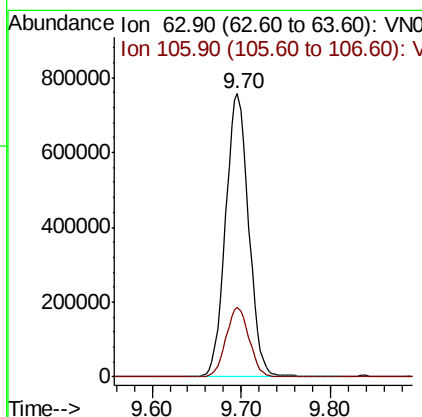
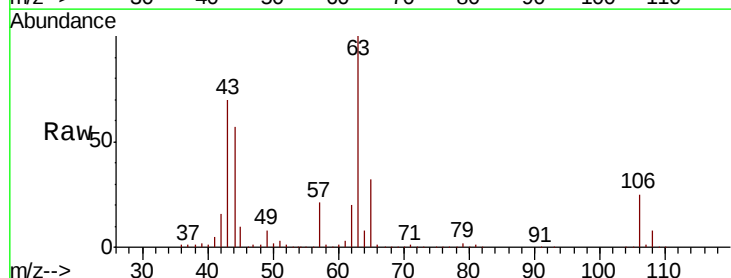
Manual Integrations
 APPROVED

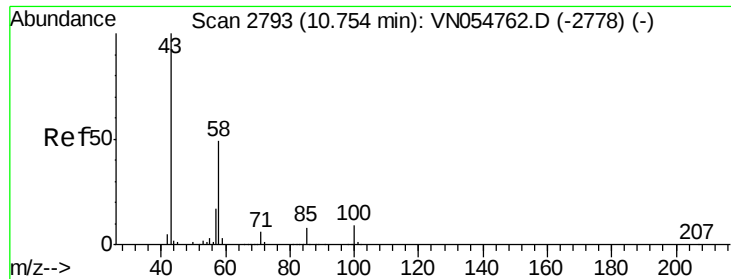
MMDadoda
 4/1/2019 4:00:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 576.119 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 63 Resp: 1359779
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6





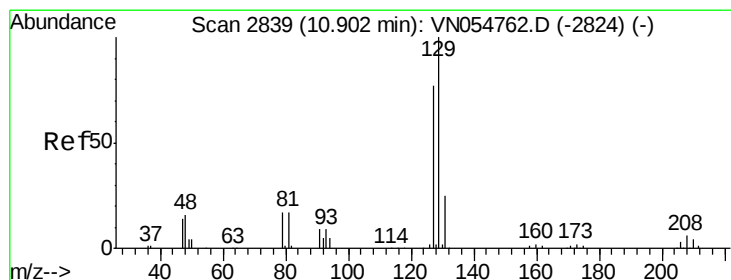
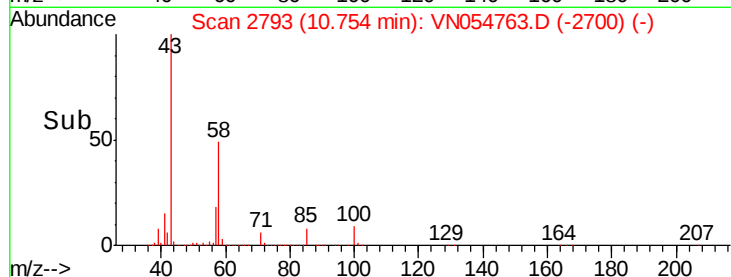
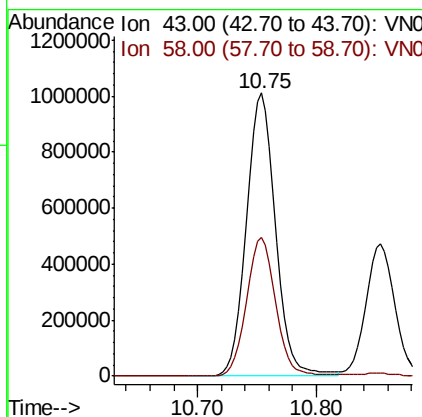
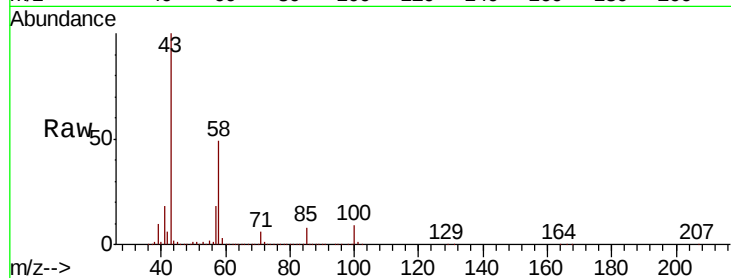
#59
2-Hexanone
Concen: 538.002 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1710007
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9

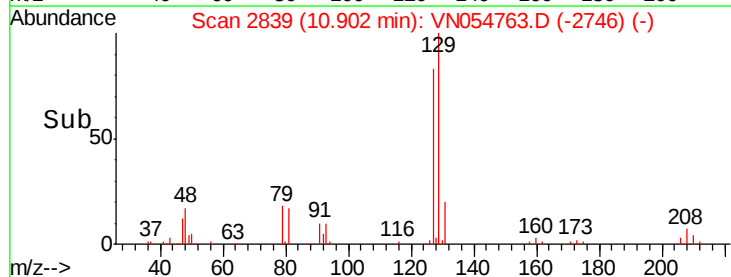
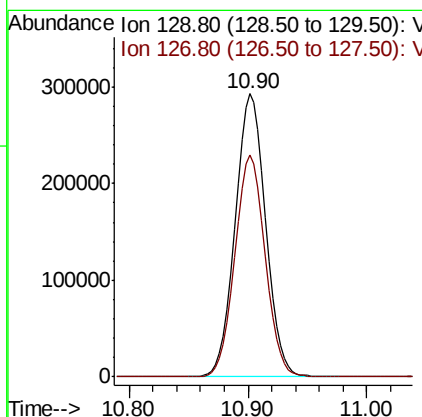
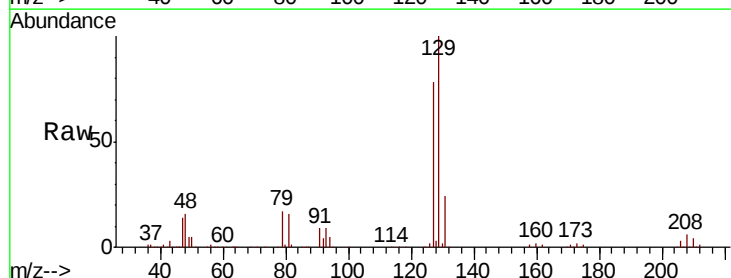
Manual Integrations
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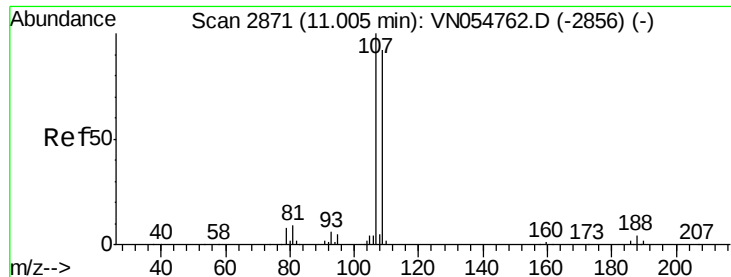
MMDadoda
4/1/2019 4:00:12 PM



#60
Dibromochloromethane
Concen: 109.073 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 129 Resp: 518432
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





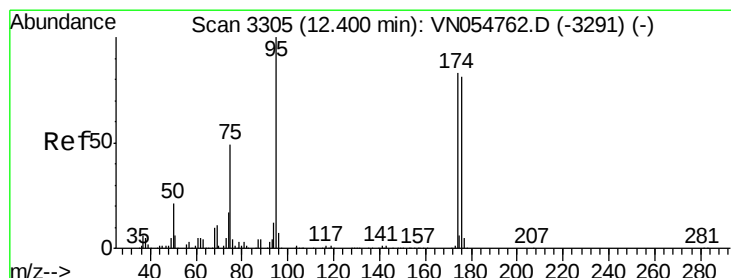
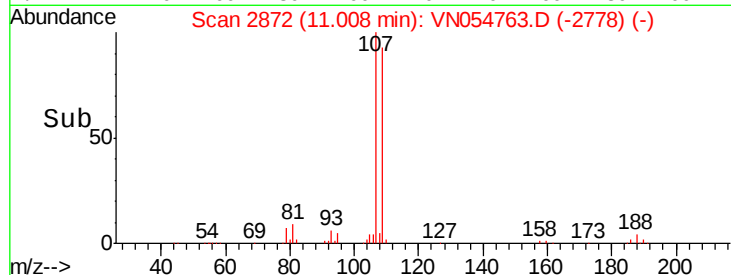
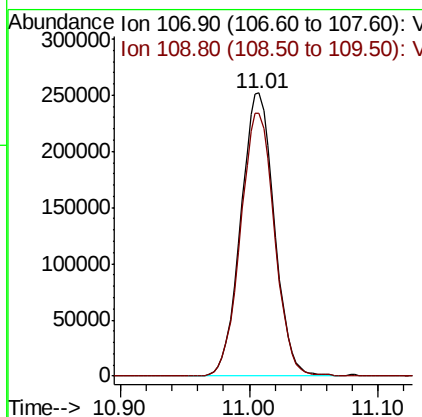
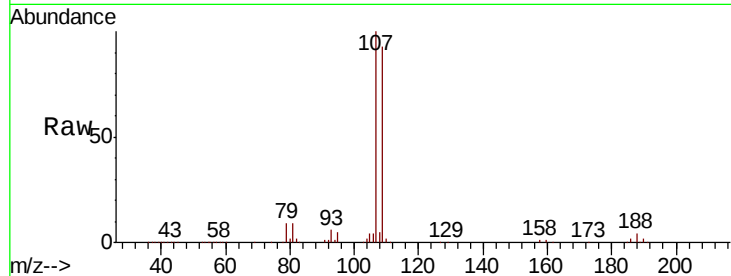
#61
 1,2-Dibromoethane
 Concen: 101.879 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

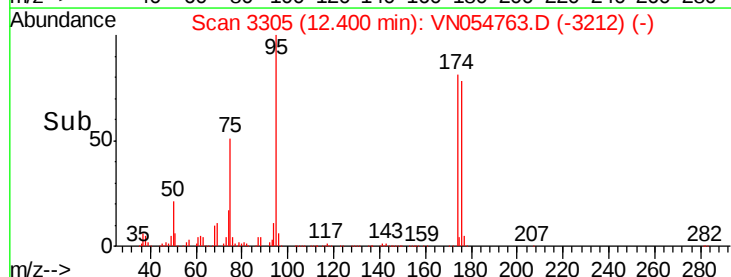
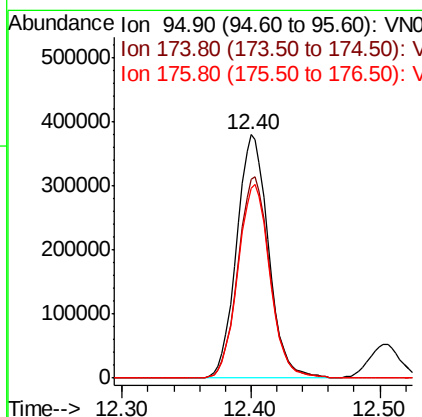
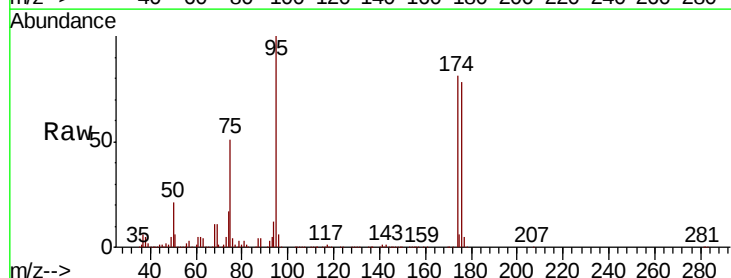
Manual Integrations
 APPROVED

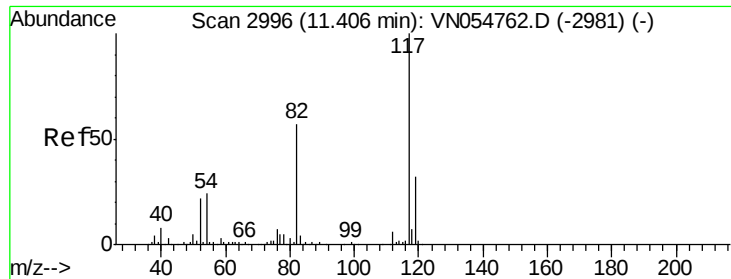
MMDadoda
 4/1/2019 4:00:12 PM



#62
 4-Bromofluorobenzene
 Concen: 99.577 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	191.0
176	80.1	0.0	187.4





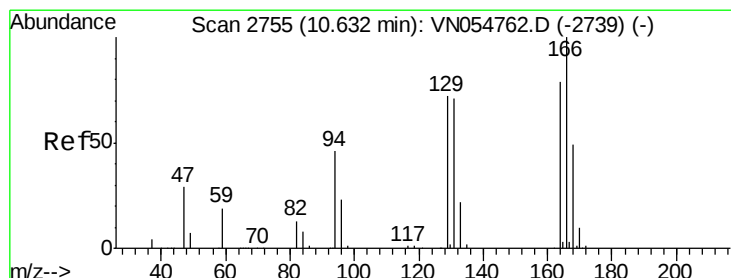
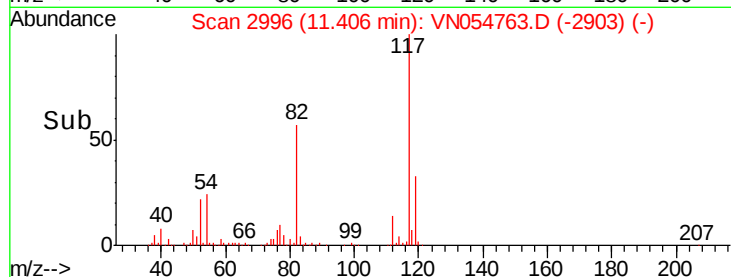
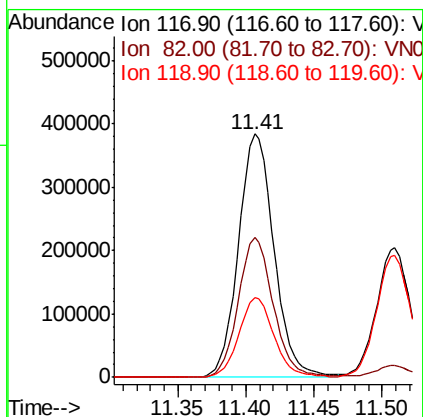
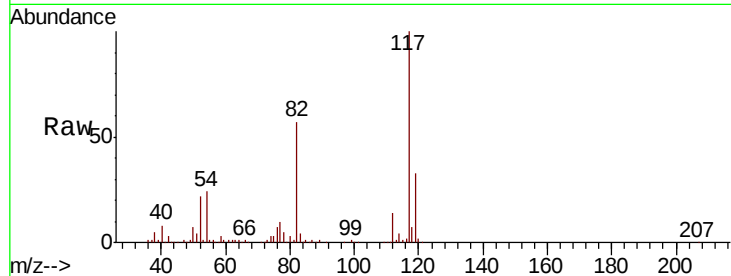
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	40.0	60.0
119	32.6	25.8	38.6

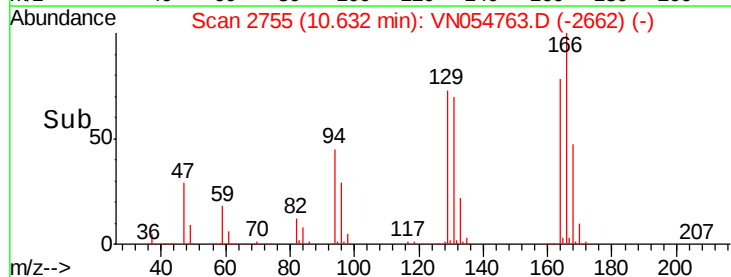
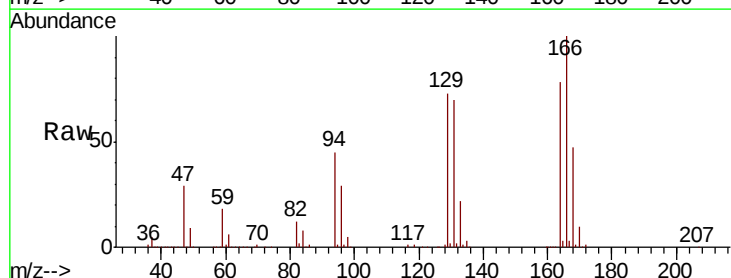
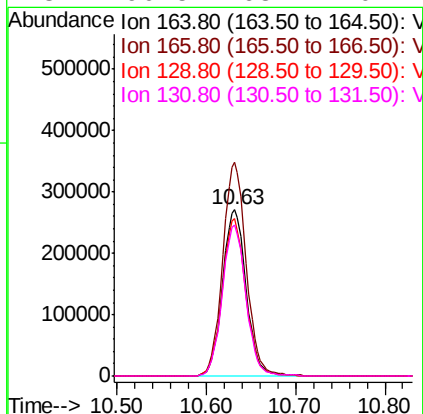
Manual Integrations
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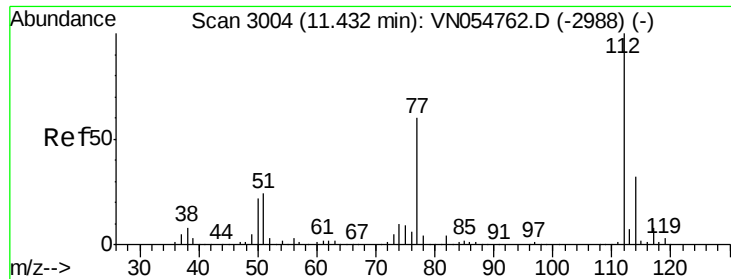
MMDadoda
4/1/2019 4:00:12 PM



#64
Tetrachloroethene
Concen: 93.105 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.9	155.9
129	94.5	71.1	106.7
131	90.5	68.2	102.4





#65

Chlorobenzene

Concen: 97.942 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1334678

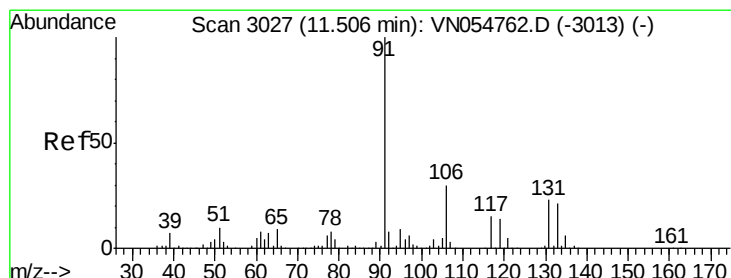
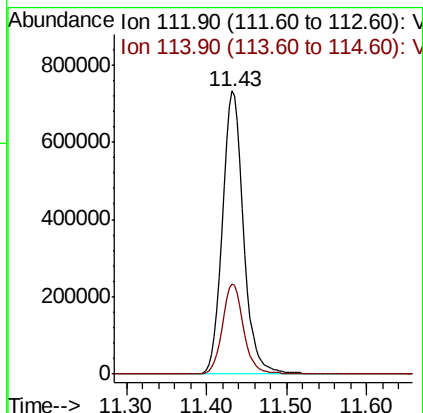
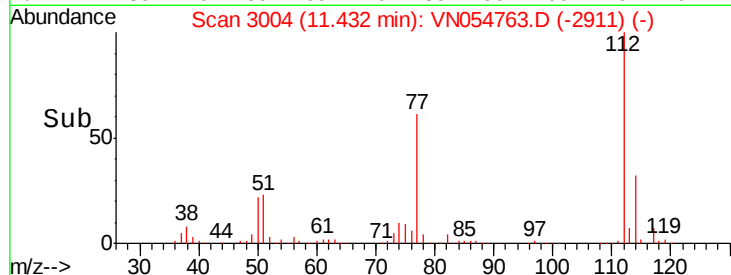
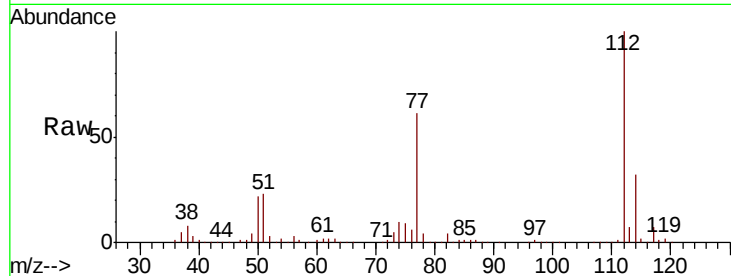
Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:12 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 100.179 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

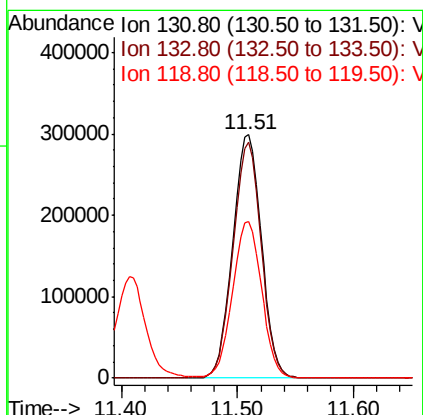
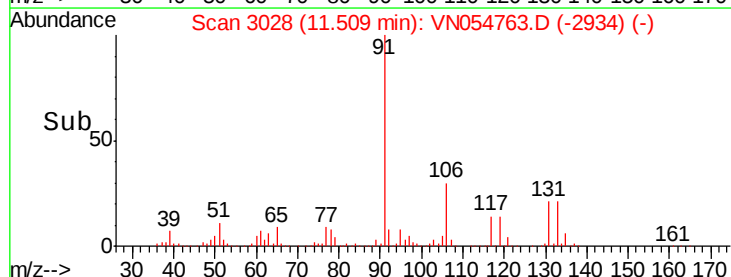
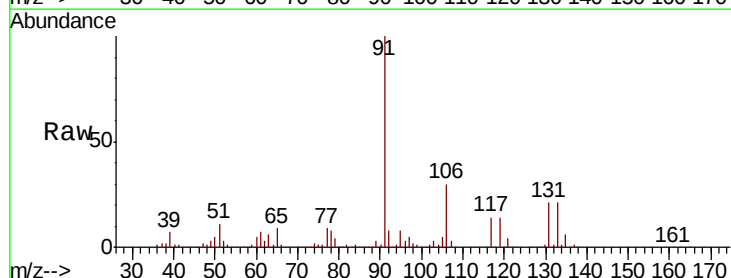
Tgt Ion:131 Resp: 510974

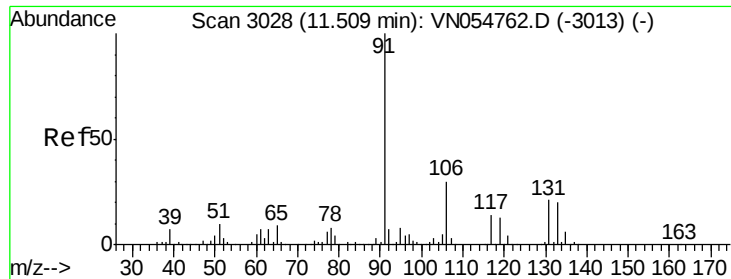
Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.9

119 65.0 32.4 97.0





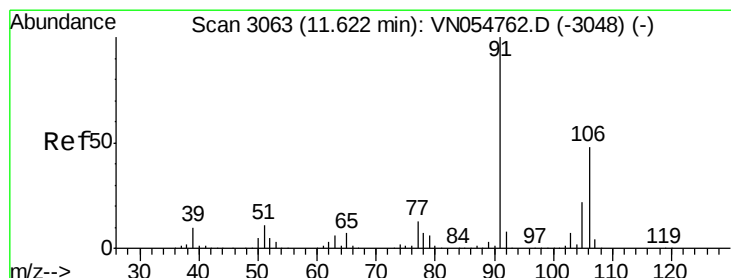
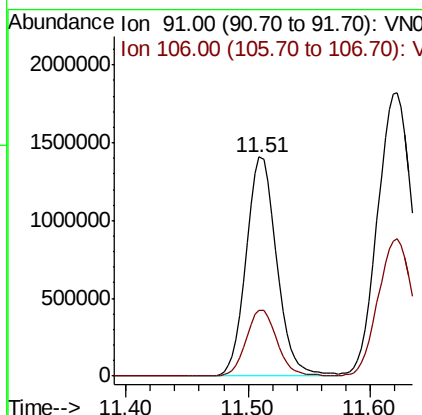
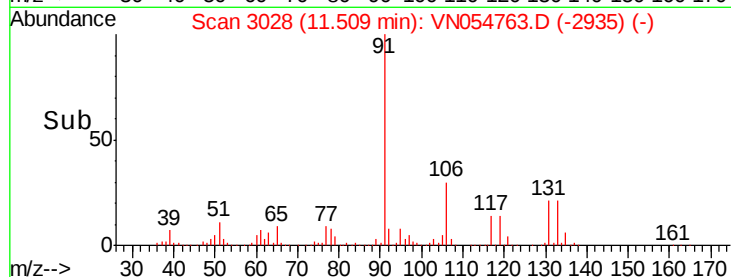
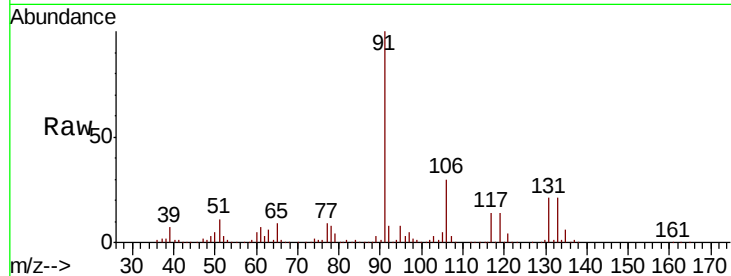
#67
Ethyl Benzene
Concen: 99.097 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2436872
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3

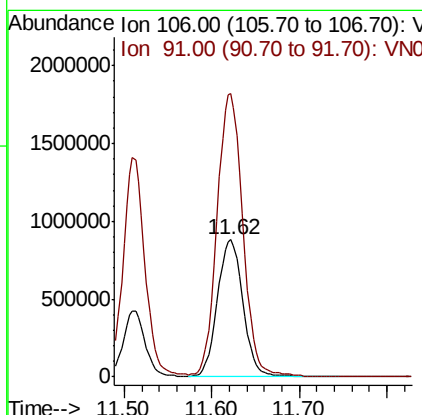
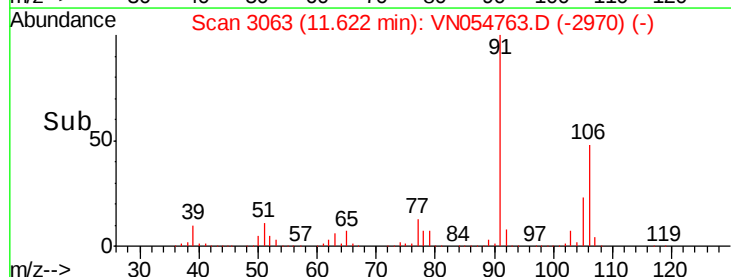
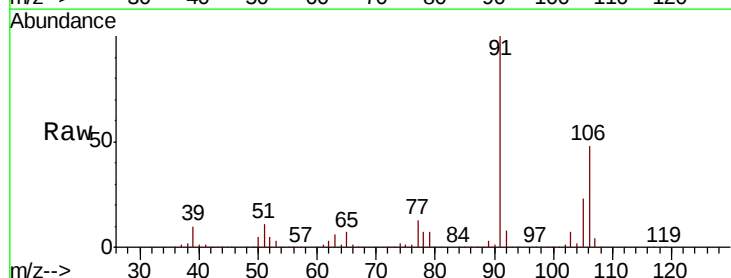
Manual Integrations
APPROVED

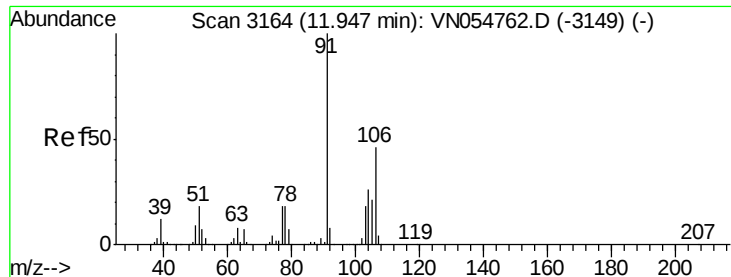
MMDadoda
4/1/2019 4:00:12 PM



#68
m/p-Xylenes
Concen: 198.059 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 106 Resp: 1802376
Ion Ratio Lower Upper
106 100
91 207.2 159.4 239.2





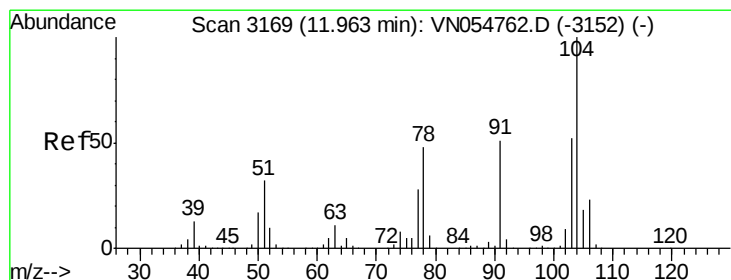
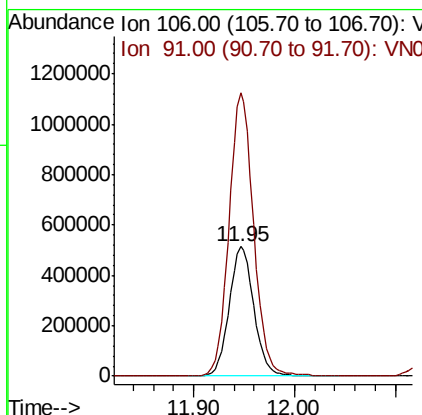
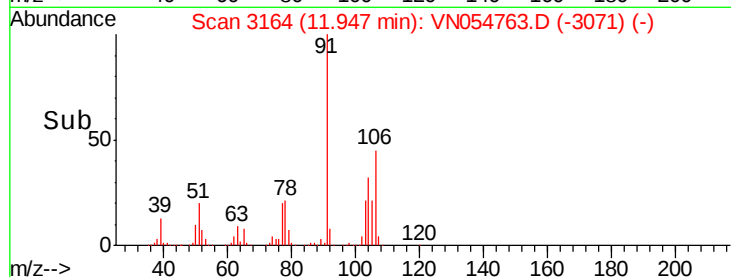
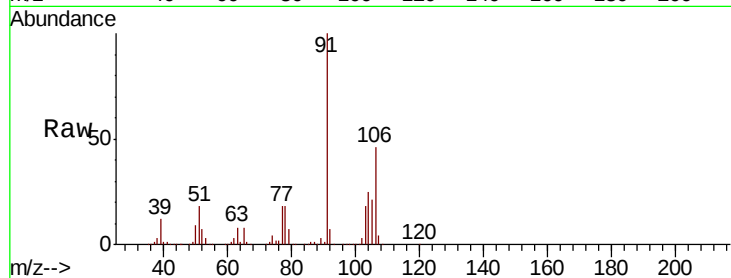
#69
o-Xylene
Concen: 98.325 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 877418
Ion Ratio Lower Upper
106 100
91 217.4 105.7 317.1

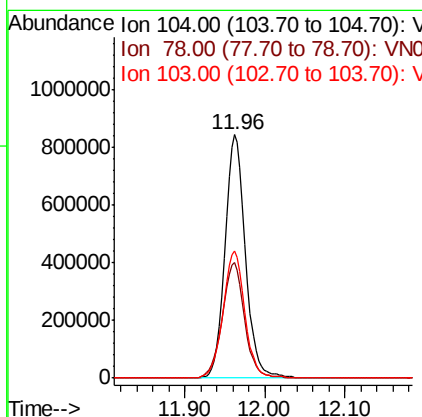
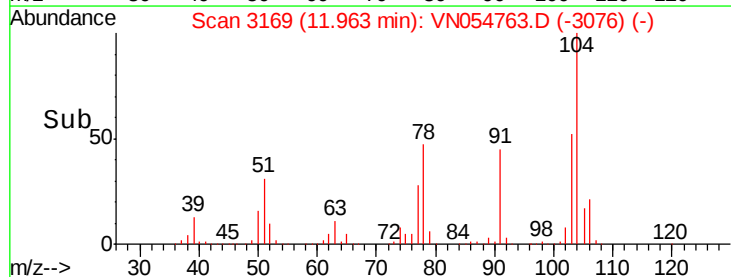
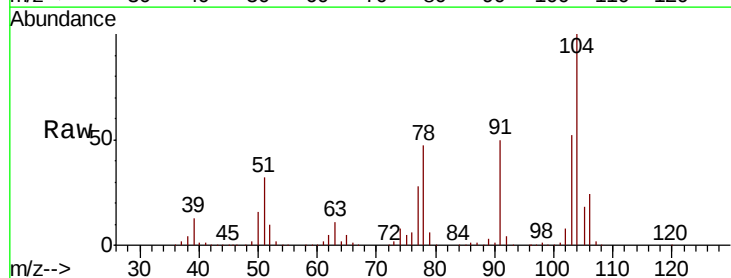
Manual Integrations
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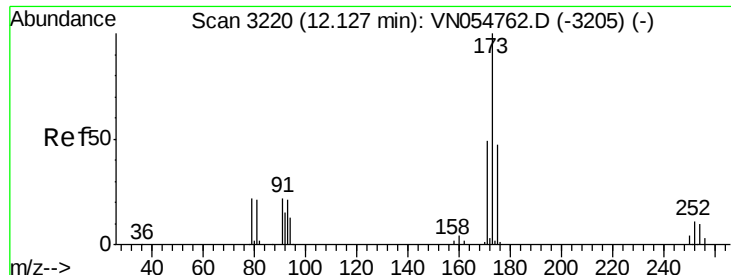
MMDadoda
4/1/2019 4:00:12 PM



#70
Styrene
Concen: 104.103 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion:104 Resp: 1485350
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 113.077 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 337890

Ion Ratio Lower Upper

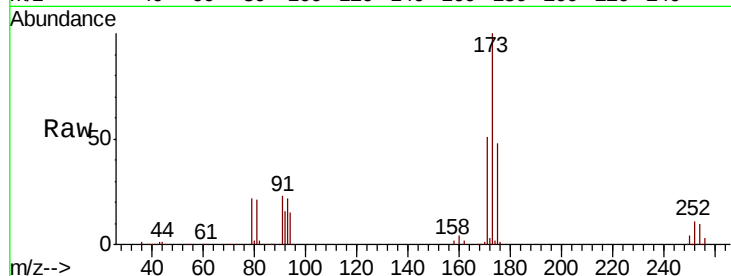
173 100

175 48.2 24.4 73.2

254 0.1 0.1 0.1

Manual Integrations
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4/1/2019 4:00:12 PM

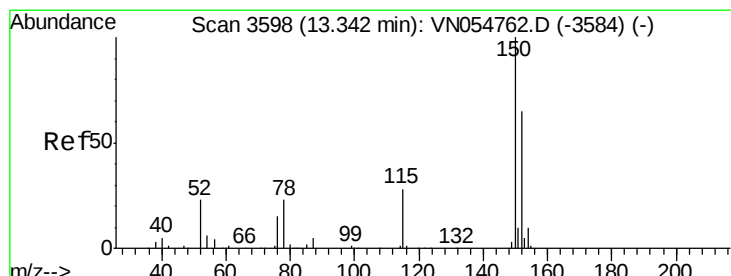
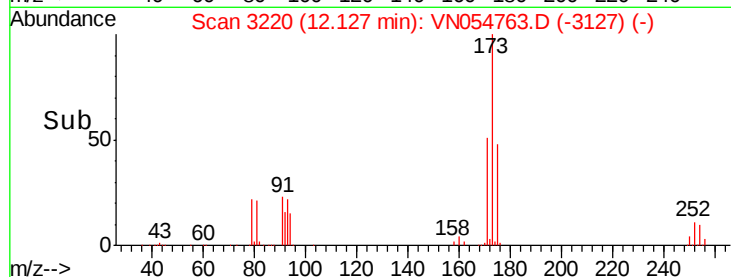
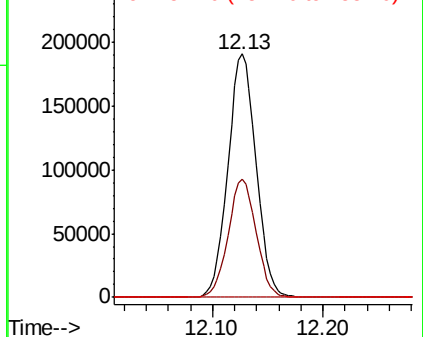


Abundance

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: VN054763.D

Acq: 29 Mar 2019 11:46

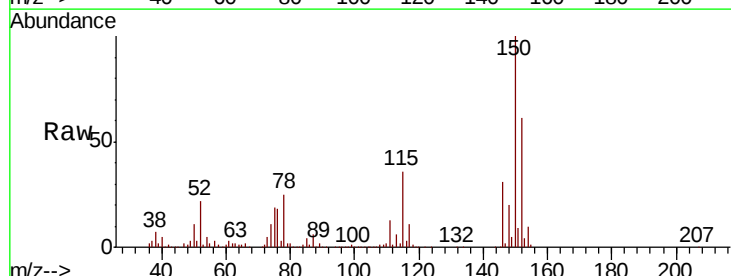
Tgt Ion:152 Resp: 316066

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

150 189.9 0.0 349.2

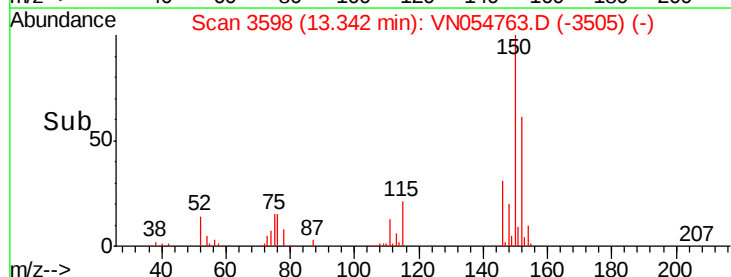
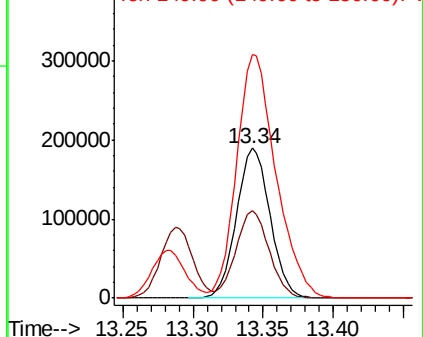


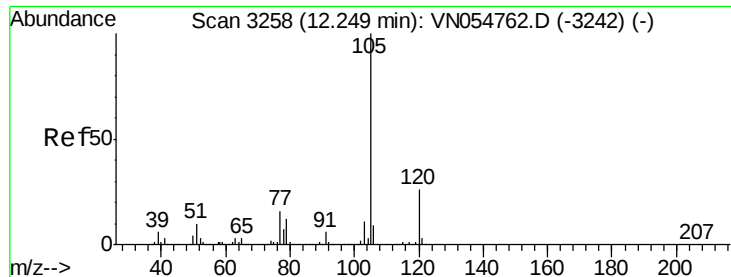
Abundance

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: 89.367 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2308711

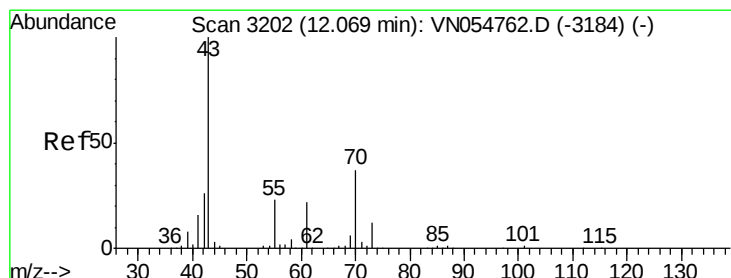
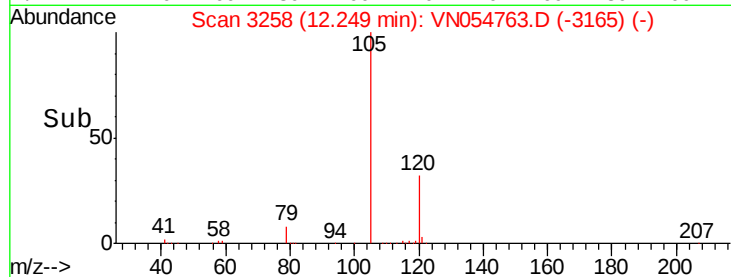
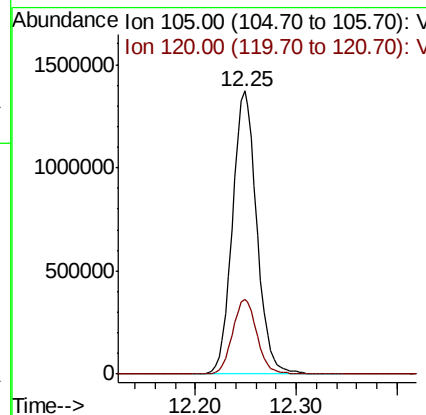
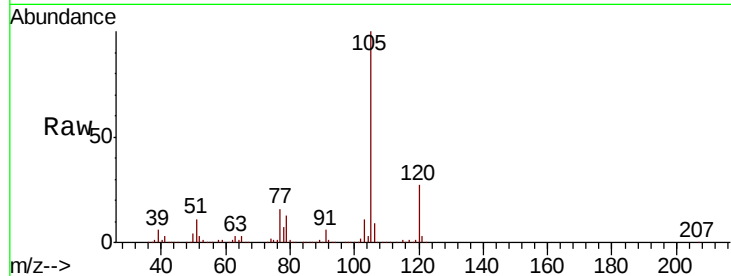
Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3

Manual Integrations
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4/1/2019 4:00:12 PM



#74

N-ethyl acetate

Concen: 99.264 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 798910

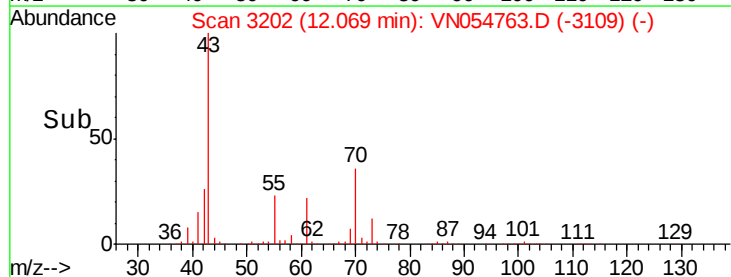
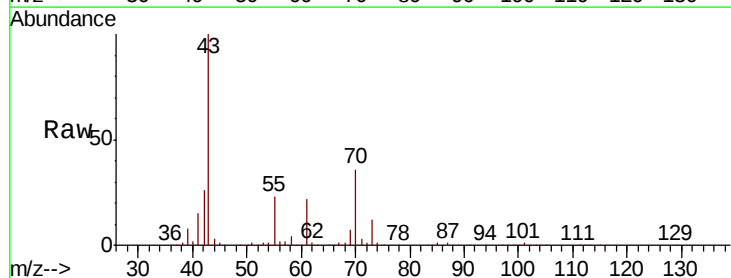
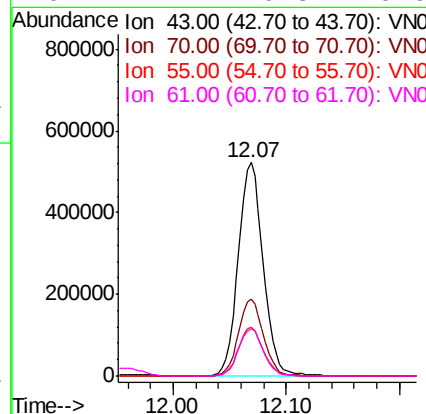
Ion Ratio Lower Upper

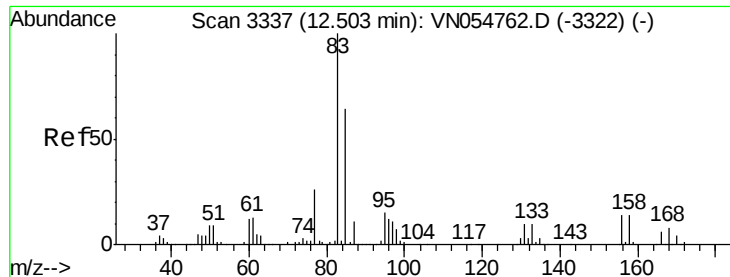
43 100

70 36.2 35.4 53.0

55 23.0 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 89.664 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

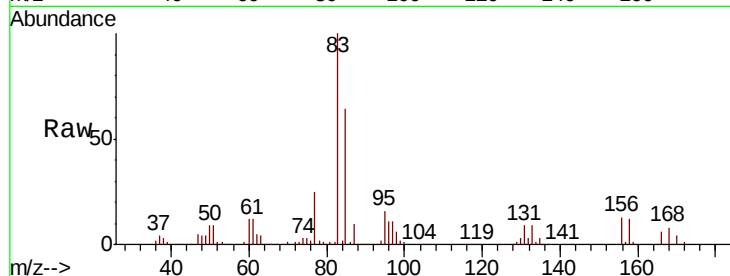
ClientSampleId :

VSTDIC100

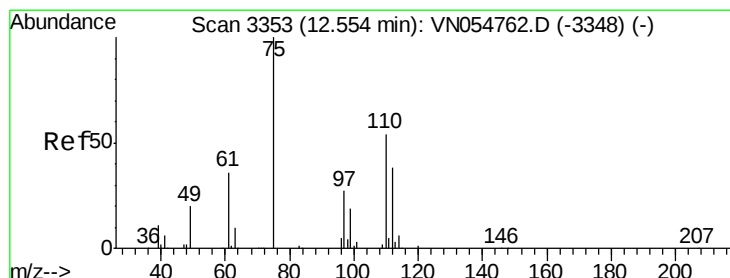
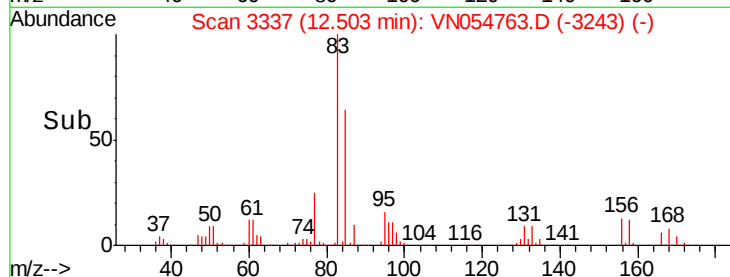
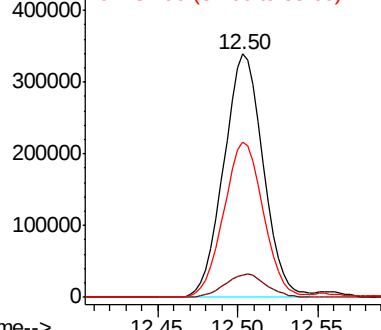
Tot Ion:	83	Resp:	575263
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.8	17.4
85	64.1	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054763.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 95.885 ug/l m

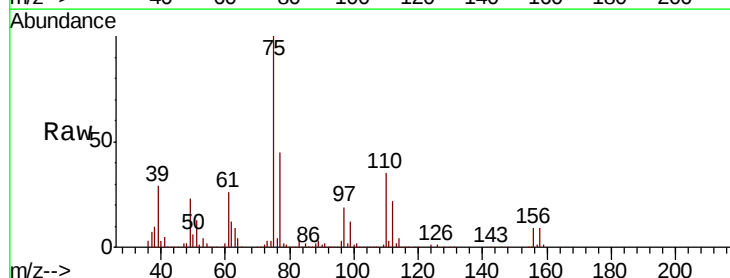
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

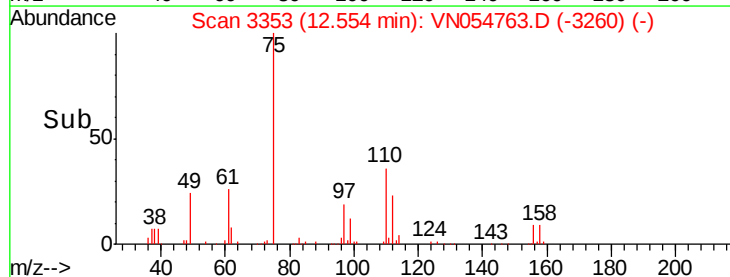
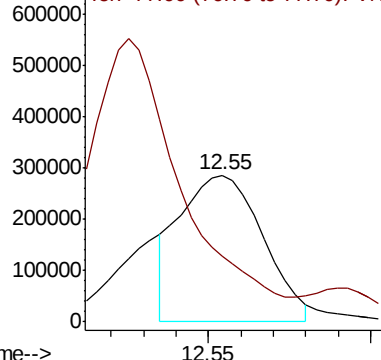
Lab File: VN054763.D

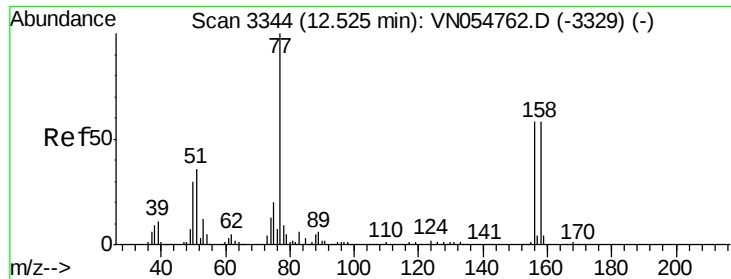
Acq: 29 Mar 2019 11:46

Tgt Ion:	75	Resp:	508910
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054763.D (-3353) (-)





#77

Bromobenzene

Concen: 93.010 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

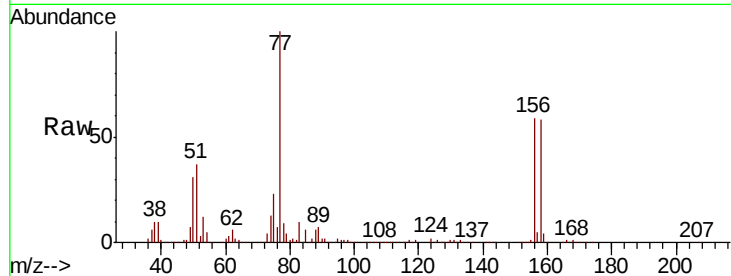
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	579905
Ion Ratio	Lower	Upper	
156	100		
77	196.0	81.5	244.4
158	98.1	49.0	147.2

Manual Integrations
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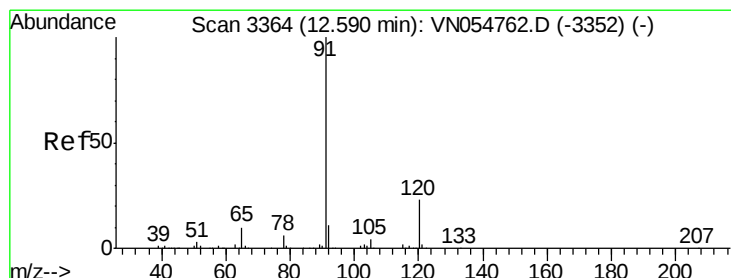
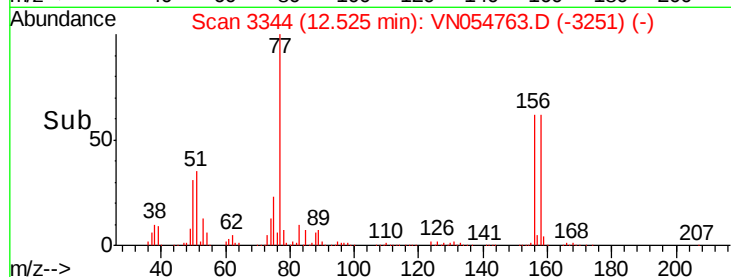
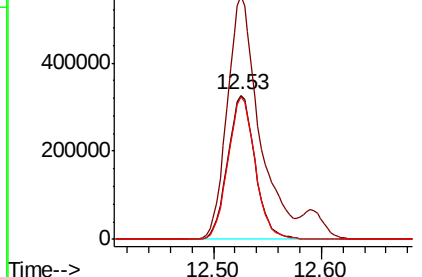
MMDadoda
4/1/2019 4:00:12 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 92.365 ug/l

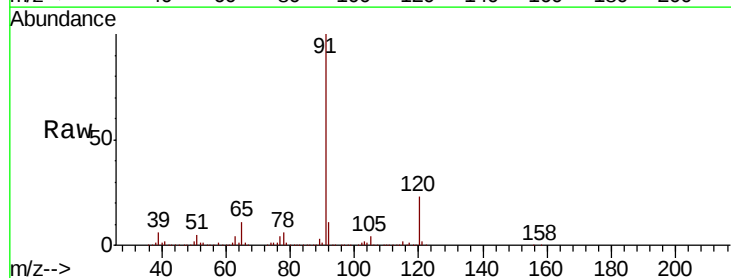
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054763.D

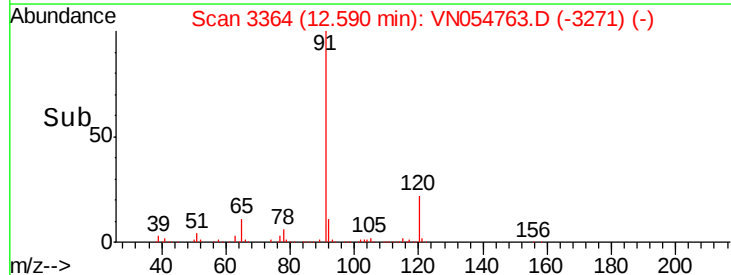
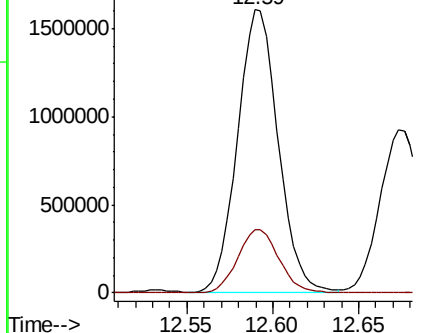
Acq: 29 Mar 2019 11:46

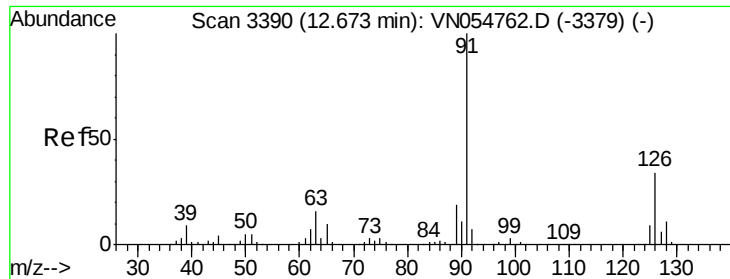
Tgt Ion:	91	Resp:	2622638
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





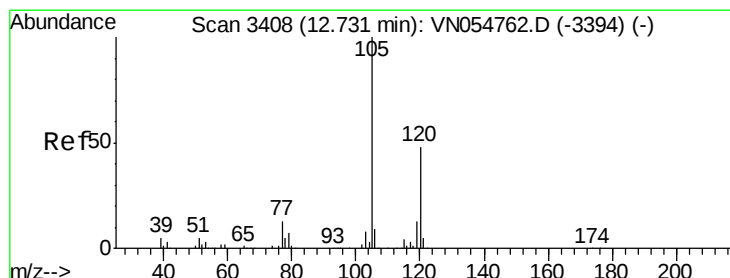
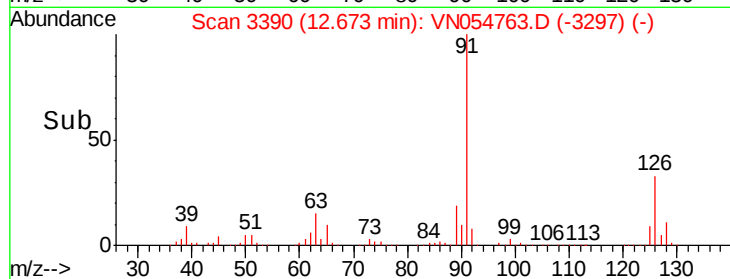
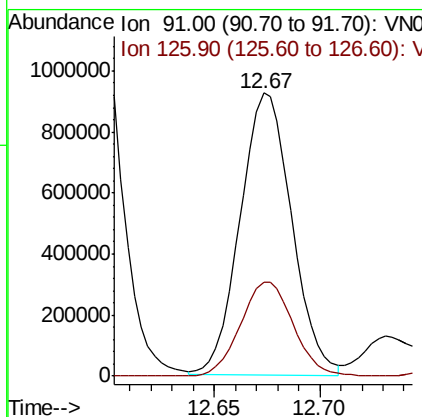
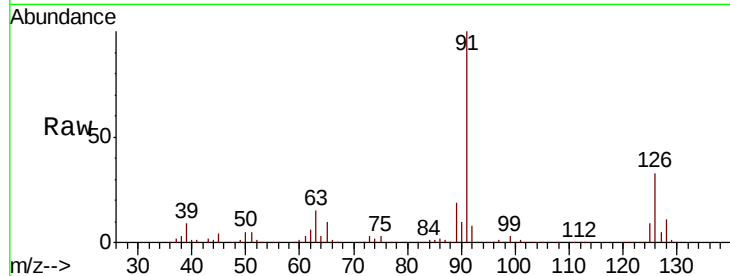
#79
2-Chlorotoluene
Concen: 89.760 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1576780
Ion Ratio Lower Upper
91 100
126 34.2 18.7 56.1

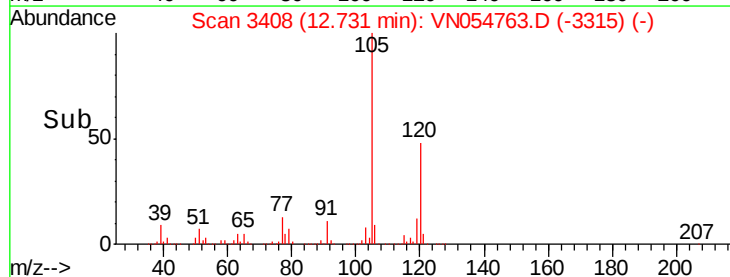
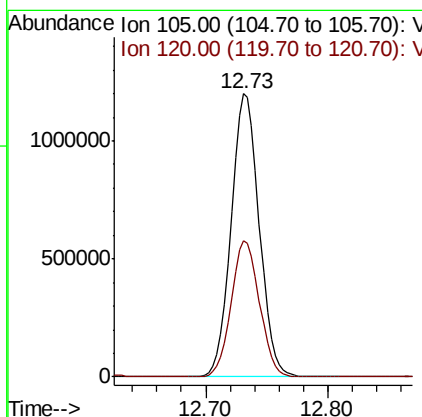
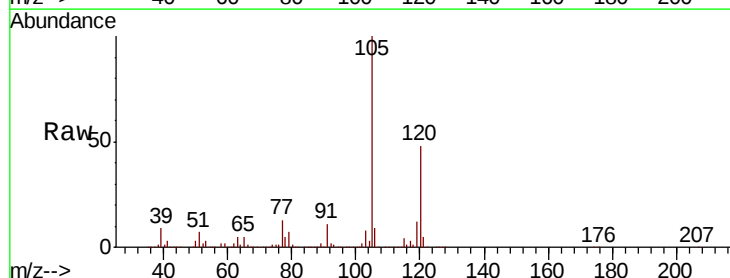
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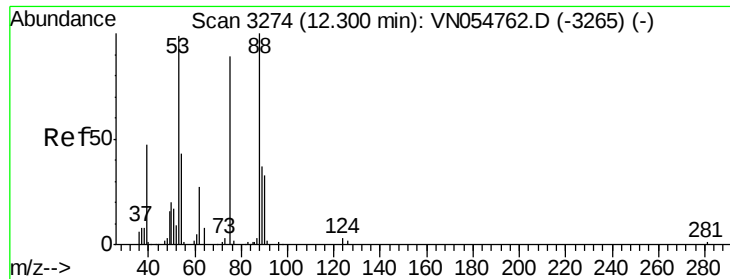
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4/1/2019 4:00:12 PM



#80
1,3,5-Trimethylbenzene
Concen: 90.300 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 105 Resp: 1914153
Ion Ratio Lower Upper
105 100
120 48.7 25.0 75.0





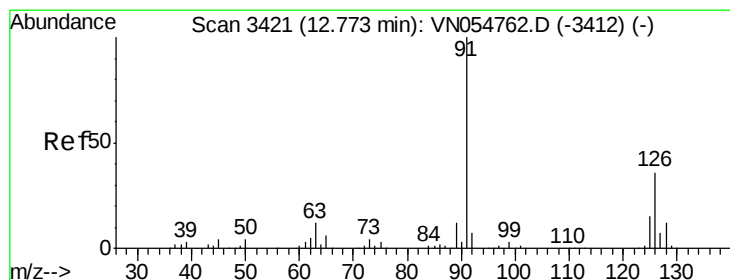
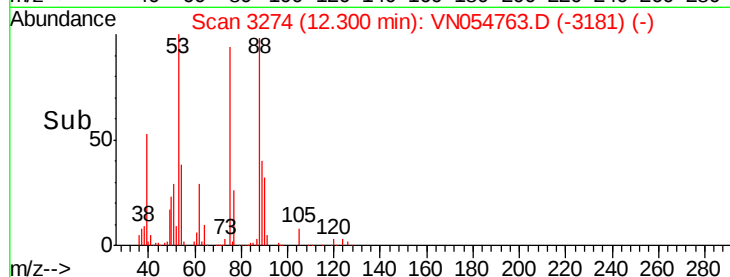
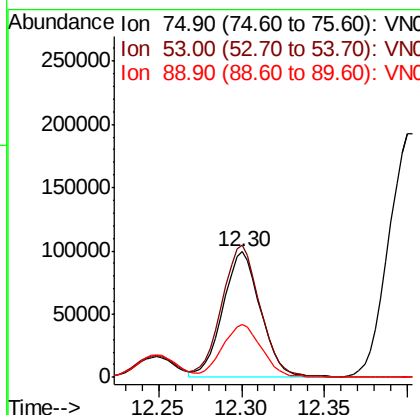
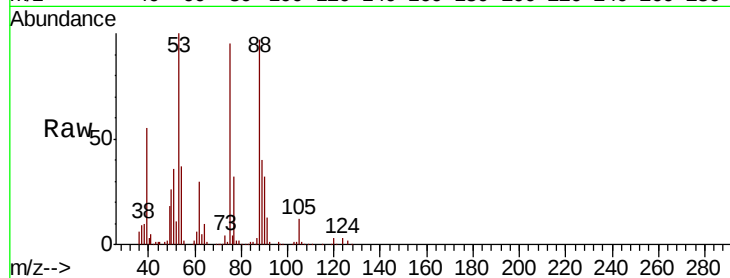
#81
trans-1,4-Dichloro-2-butene
Concen: 109.931 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	76.2	114.2
89	44.5	39.2	58.8

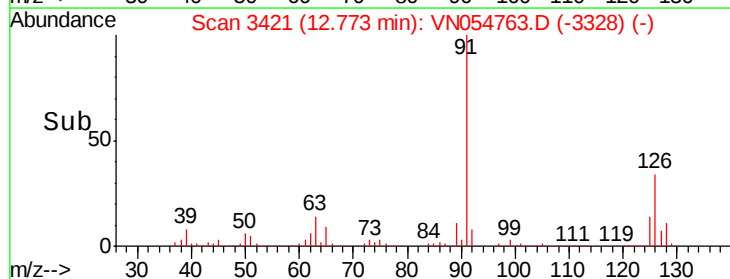
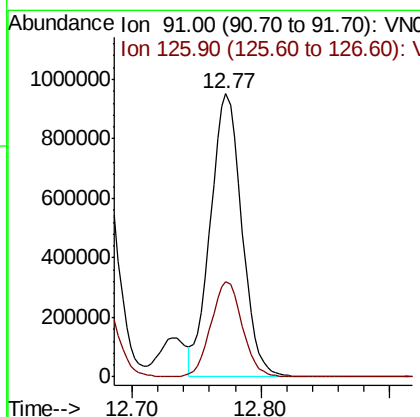
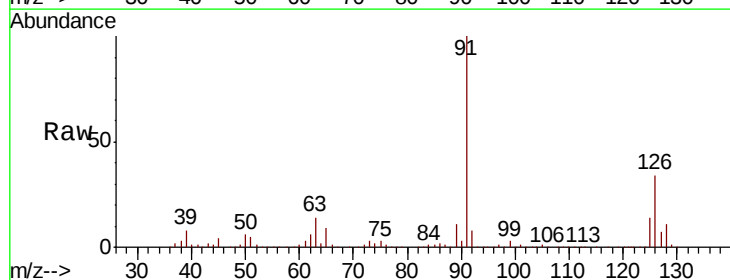
Manual Integrations
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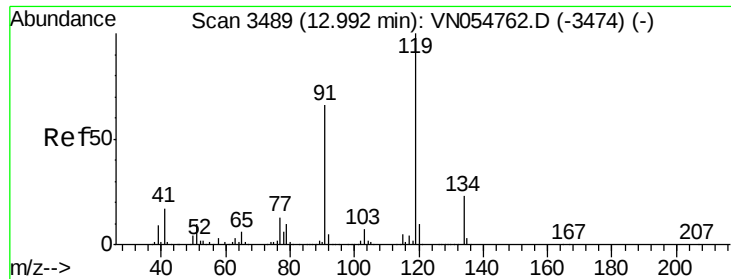
MMDadoda
4/1/2019 4:00:12 PM



#82
4-Chlorotoluene
Concen: 94.390 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	18.1	54.1





#83

tert-Butylbenzene

Concen: 87.814 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1627816

Ion Ratio Lower Upper

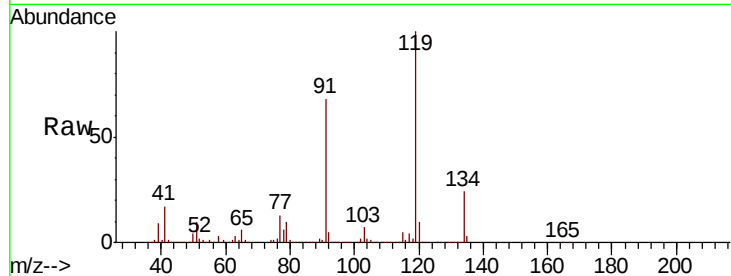
119 100

91 66.7 30.9 92.8

134 26.3 13.2 39.6

Manual Integrations
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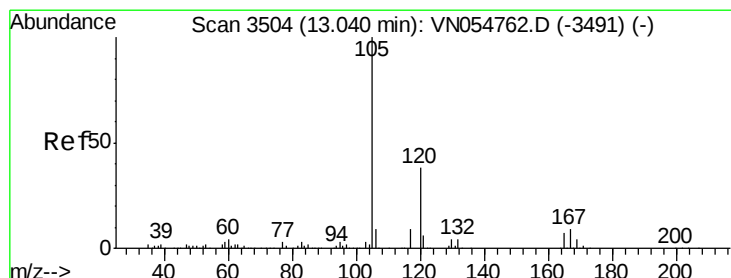
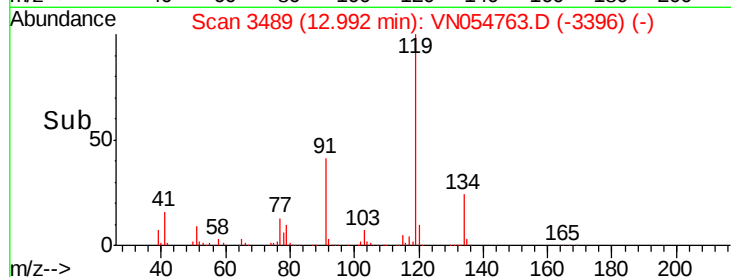
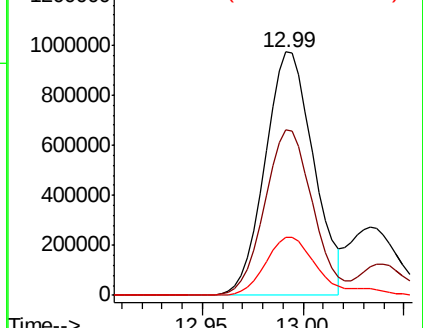
MMDadoda
4/1/2019 4:00:12 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 95.152 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054763.D

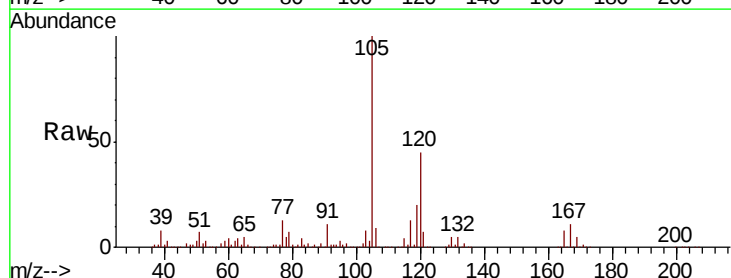
Acq: 29 Mar 2019 11:46

Tgt Ion:105 Resp: 1921587

Ion Ratio Lower Upper

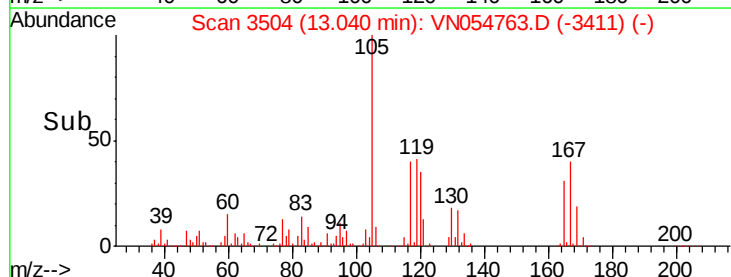
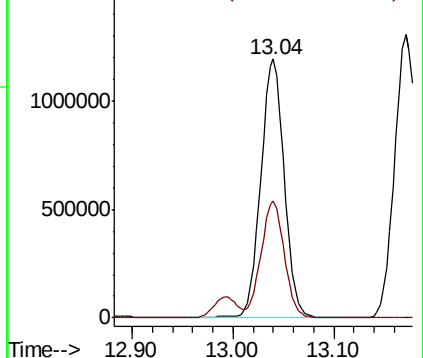
105 100

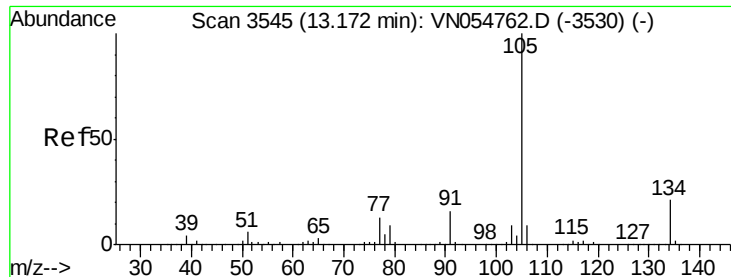
120 45.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 90.836 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2091688

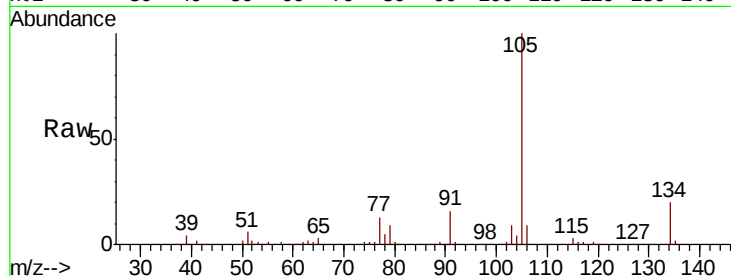
Ion Ratio Lower Upper

105 100

134 20.1 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

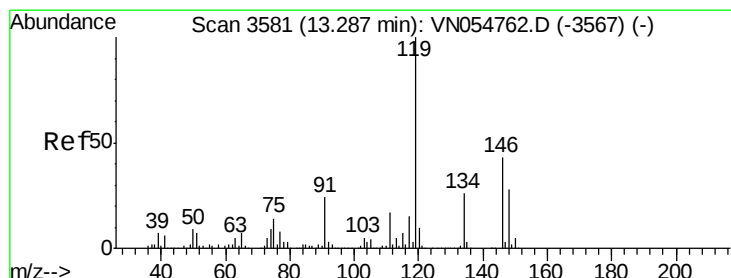
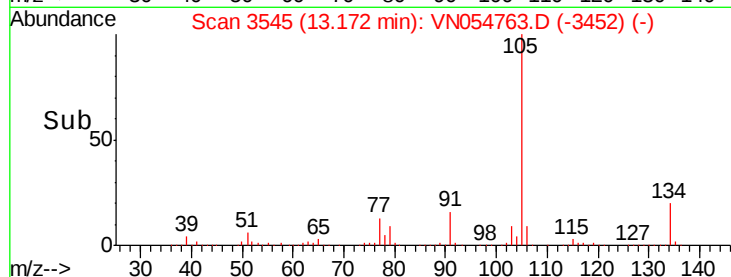
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 93.311 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

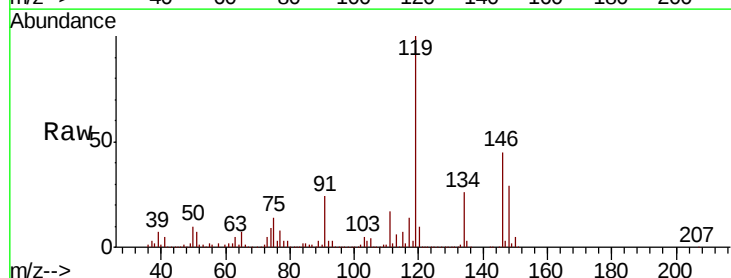
Tgt Ion:119 Resp: 1895124

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

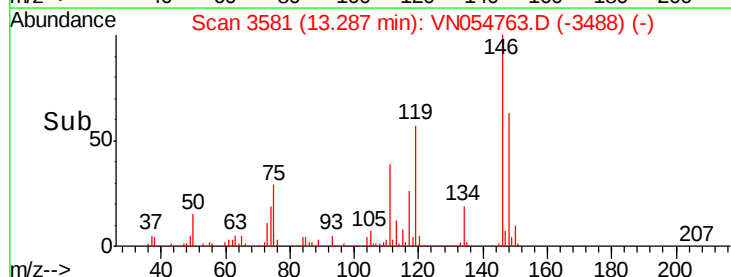
1500000

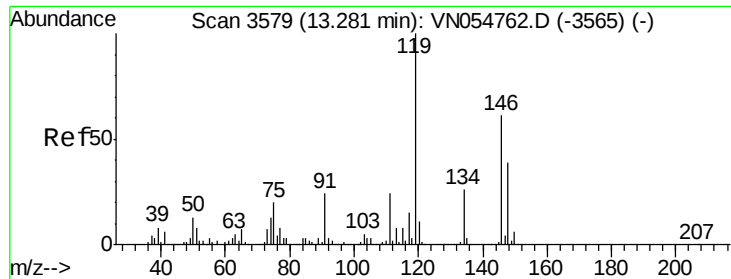
1000000

500000

0

Time-->





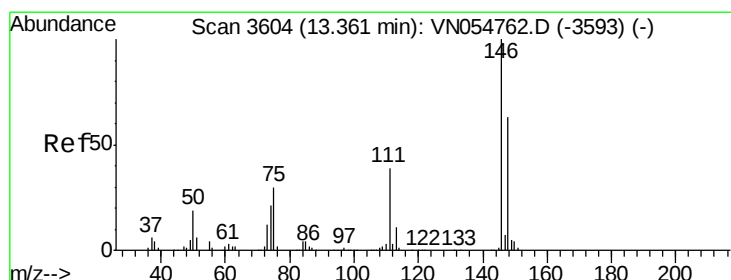
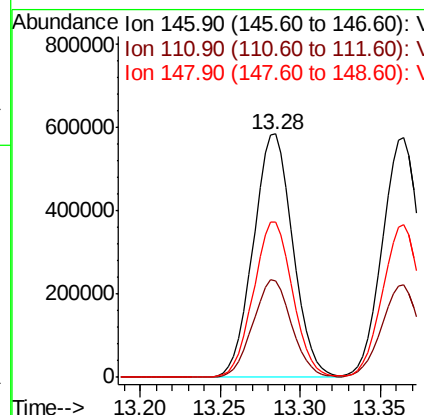
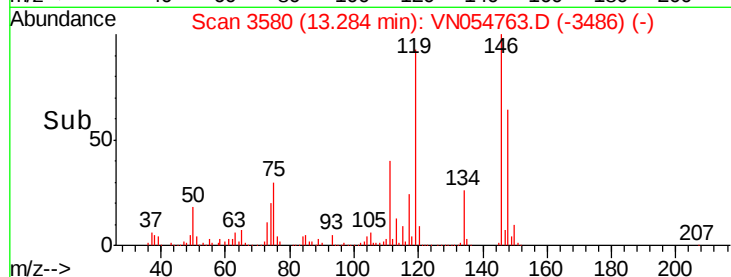
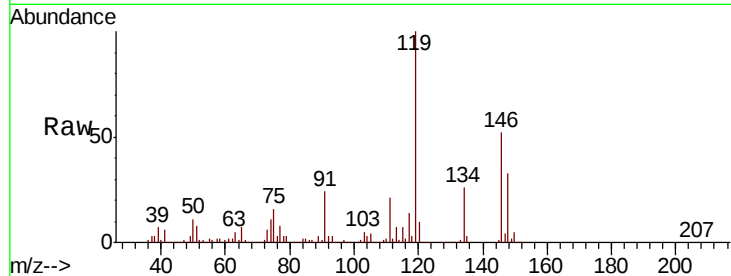
#87
 1,3-Dichlorobenzene
 Concen: 95.275 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	63.4	32.2	96.6

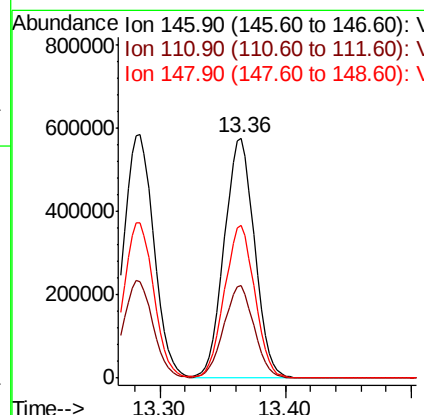
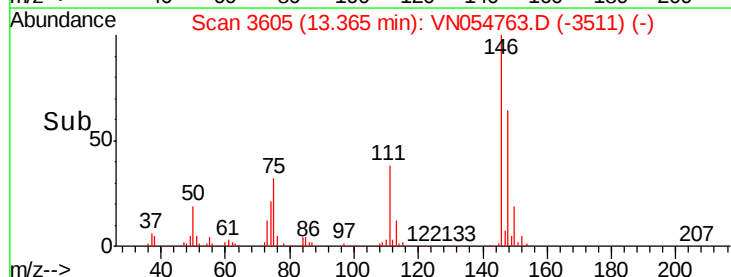
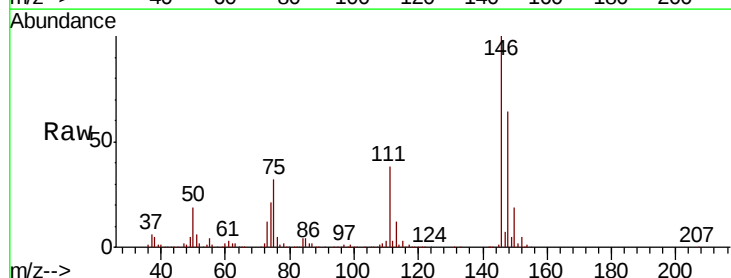
Manual Integrations
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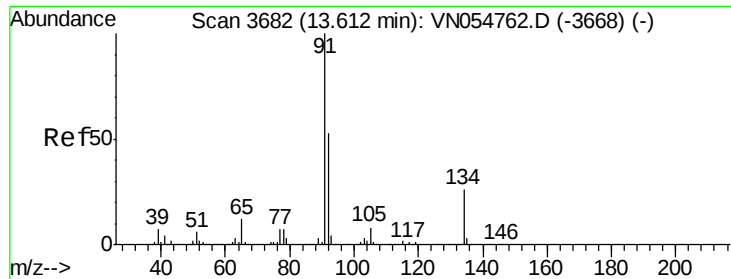
MMDadoda
 4/1/2019 4:00:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 94.381 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	63.9	32.0	96.0





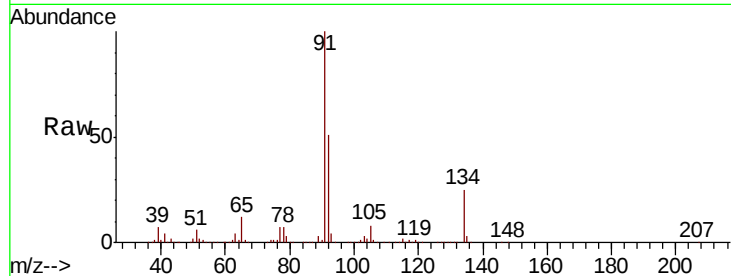
#89
n-Butylbenzene
Concen: 98.510 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

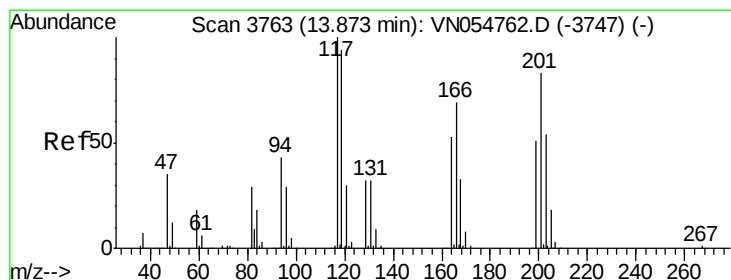
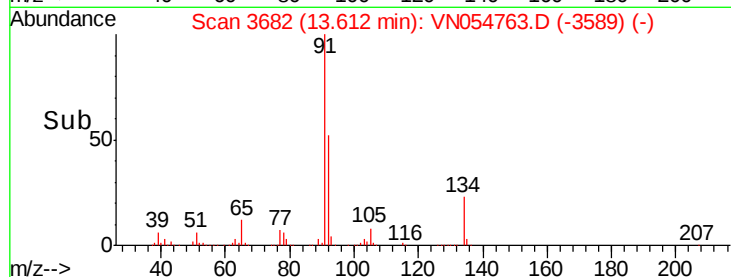
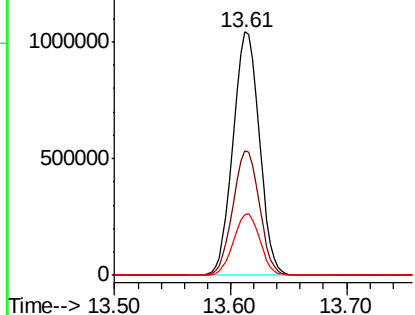
Tot Ion: 91 Resp: 1632362
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.6
134 25.3 14.3 42.9

Manual Integrations
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4/1/2019 4:00:12 PM

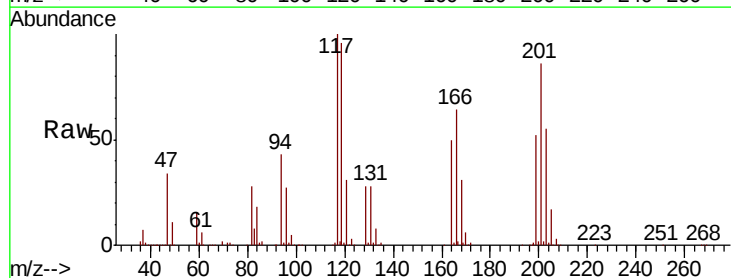


Abundance Ion 91.00 (90.70 to 91.70): VN054763.D (-3682) (-)
Ion 92.00 (91.70 to 92.70): VN054763.D (-3682) (-)
Ion 134.00 (133.70 to 134.70): VN054763.D (-3682) (-)

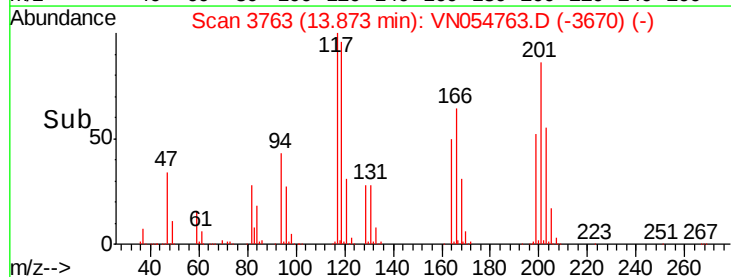
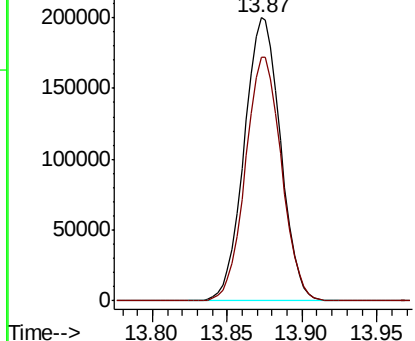


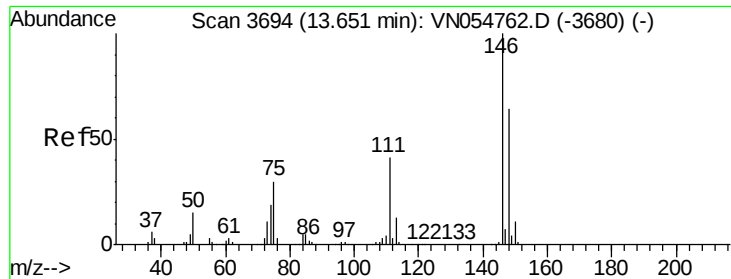
#90
Hexachloroethane
Concen: 97.781 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 117 Resp: 337178
Ion Ratio Lower Upper
117 100
201 85.7 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054763.D (-3763) (-)
Ion 200.70 (200.40 to 201.40): VN054763.D (-3763) (-)





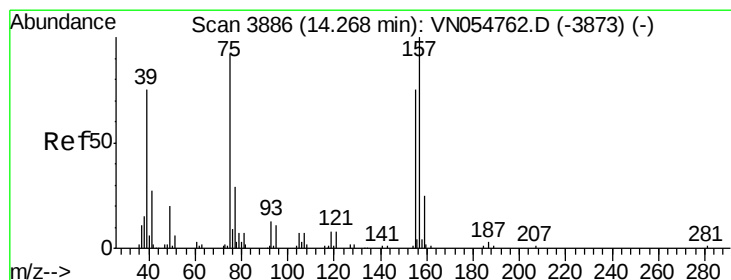
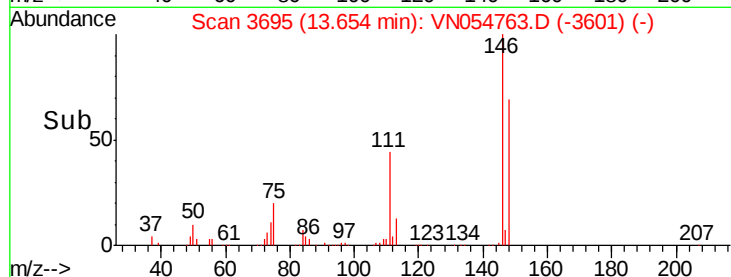
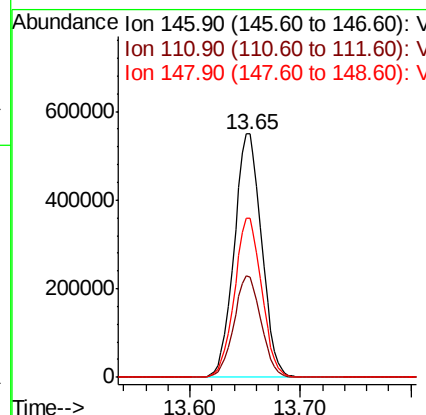
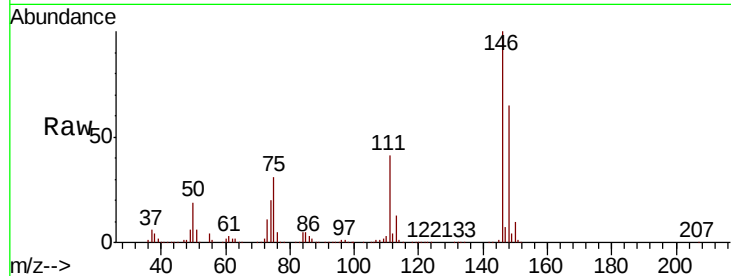
#91
 1,2-Dichlorobenzene
 Concen: 89.657 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	64.7	32.4	97.0

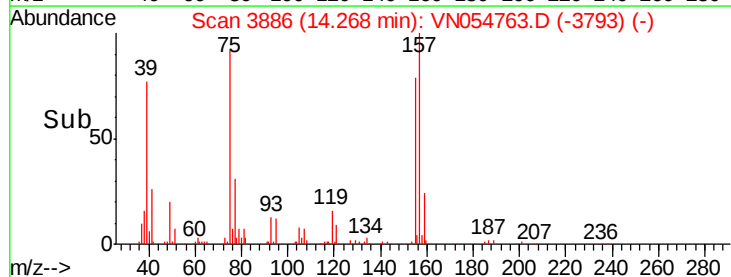
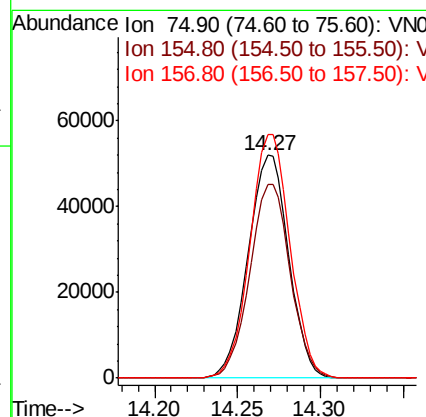
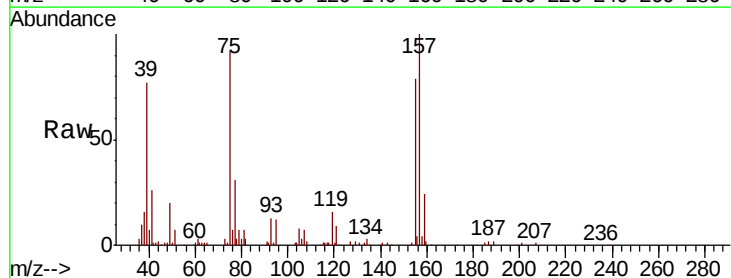
Manual Integrations
 APPROVED

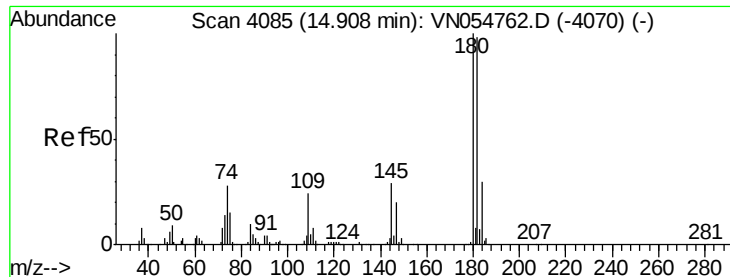
MMDadoda
 4/1/2019 4:00:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.013 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	50.1	150.3
157	108.3	63.1	189.3





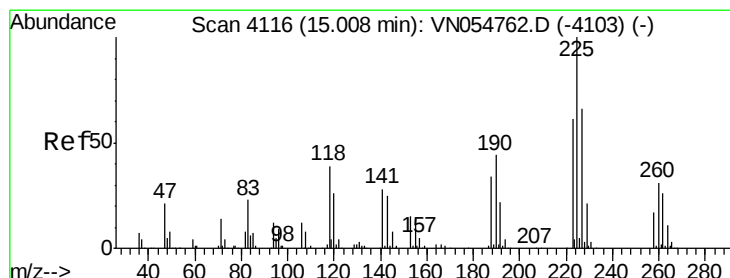
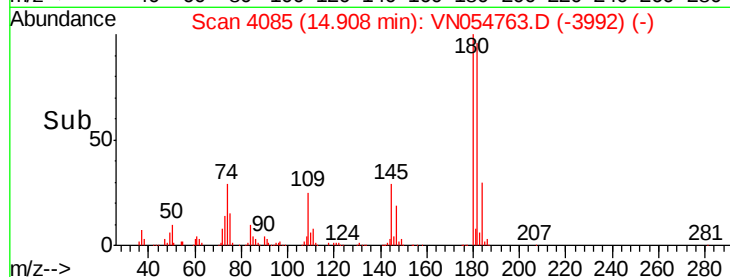
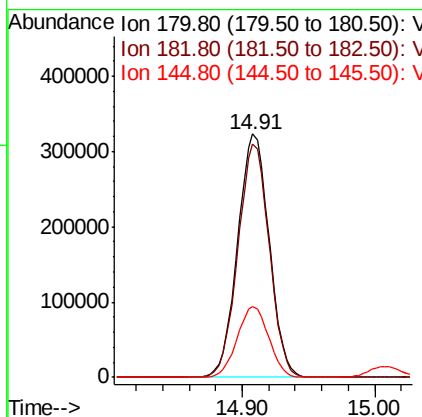
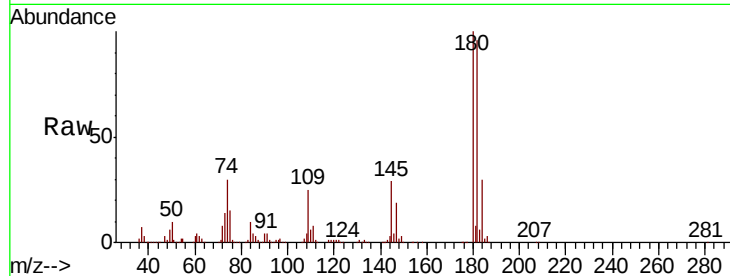
#93
 1,2,4-Trichlorobenzene
 Concen: 104.914 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	532861		
182	95.1	48.0	144.2	
145	29.1	14.2	42.8	

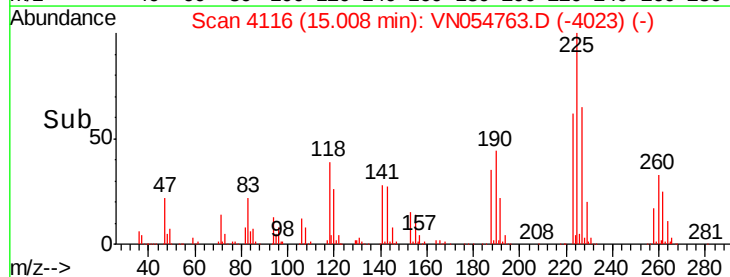
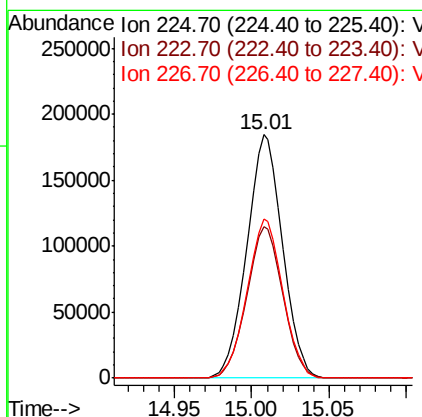
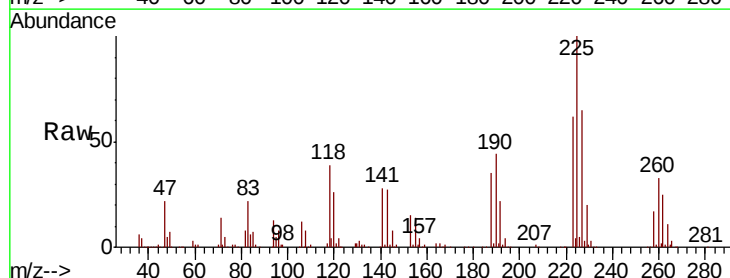
Manual Integrations
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 4/1/2019 4:00:12 PM



#94
 Hexachlorobutadiene
 Concen: 86.560 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	296551		
223	62.7	31.1	93.5	
227	65.2	31.9	95.9	





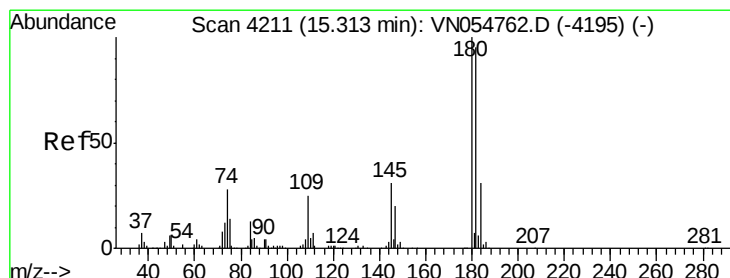
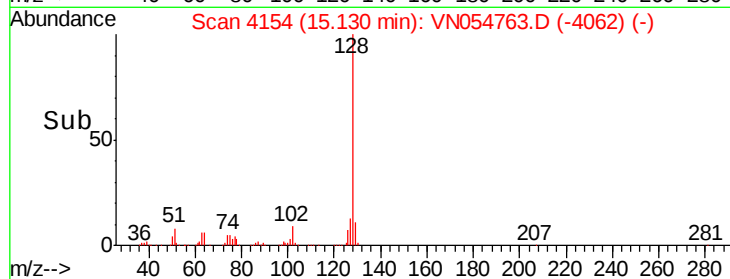
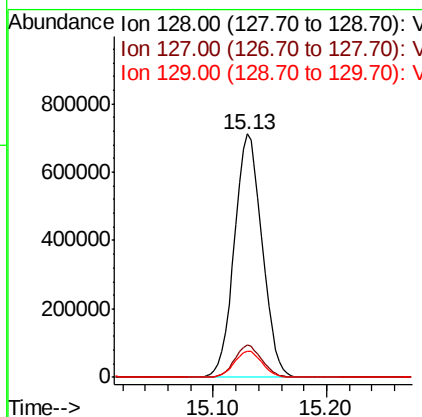
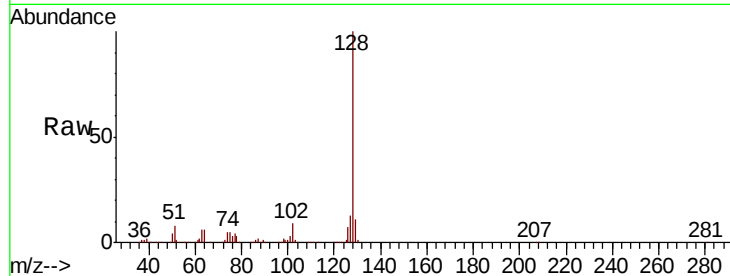
#95
Naphthalene
Concen: 106.625 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 100.563 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	30.9	14.8	44.3

