

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054782.D
 Acq On : 29 Mar 2019 20:38
 Operator : JC/SP
 Sample : VN0329WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:03 PM

Quant Time: Mar 30 22:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	415160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	306170	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	7.59	113	235218	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	879510	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	285847	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	85848	20.443	ug/l	99
3) Chloromethane	2.07	50	122265	21.057	ug/l	99
4) Vinyl Chloride	2.19	62	110602	21.211	ug/l	98
5) Bromomethane	2.58	94	63930	22.133	ug/l	97
6) Chloroethane	2.71	64	60334	20.722	ug/l	98
7) Trichlorofluoromethane	3.02	101	136446	21.285	ug/l	98
8) Diethyl Ether	3.41	74	45964	22.267	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68906	20.419	ug/l	93
10) Methyl Iodide	3.94	142	99346	21.504	ug/l #	88
11) Tert butyl alcohol	4.82	59	37556	128.799	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	69714	21.362	ug/l #	74
13) Acrolein	3.61	56	32607	125.088	ug/l	99
14) Allyl chloride	4.32	41	170629	21.227	ug/l #	87
15) Acrylonitrile	5.00	53	191349	118.064	ug/l	98
16) Acetone	3.82	43	133211	99.816	ug/l #	82
17) Carbon Disulfide	4.04	76	207520	19.606	ug/l	100
18) Methyl Acetate	4.33	43	87768	24.786	ug/l #	87
19) Methyl tert-butyl Ether	5.06	73	259829	22.761	ug/l	94
20) Methylene Chloride	4.55	84	100237	21.293	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	92754	21.639	ug/l	86
22) Diisopropyl ether	5.96	45	355564	22.365	ug/l #	92
23) Vinyl Acetate	5.90	43	1252824	113.238	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	185805	21.909	ug/l	98
25) 2-Butanone	6.85	43	236847	120.060	ug/l #	85
26) 2,2-Dichloropropane	6.82	77	110901	18.658	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	106664	22.028	ug/l	89
28) Bromochloromethane	7.20	49	99401	23.440	ug/l #	70
29) Tetrahydrofuran	7.22	42	160418	117.080	ug/l #	85
30) Chloroform	7.37	83	180743	22.351	ug/l	97
31) Cyclohexane	7.65	56	174558	21.411	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	147116	21.952	ug/l	95
36) 1,1-Dichloropropene	7.79	75	131022	19.726	ug/l	95
37) Ethyl Acetate	6.94	43	106216	21.806	ug/l #	96
38) Carbon Tetrachloride	7.77	117	126314	19.579	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142142	19.465	ug/l	88
40) Benzene	8.04	78	401568	21.129	ug/l	100
41) Methacrylonitrile	7.18	41	55386	20.242	ug/l	93
42) 1,2-Dichloroethane	8.13	62	144751	21.330	ug/l	97
43) Isopropyl Acetate	8.17	43	177289	22.400	ug/l #	94
44) Trichloroethene	8.83	130	101778	20.629	ug/l	93
45) 1,2-Dichloropropane	9.12	63	113887	21.015	ug/l	96
46) Dibromomethane	9.21	93	65538	21.498	ug/l	87
47) Bromodichloromethane	9.41	83	133133	21.012	ug/l	92
48) Methyl methacrylate	9.20	41	88057	20.525	ug/l	89
49) 1,4-Dioxane	9.20	88	20850	489.791	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	513036	115.295	ug/l	91
52) Toluene	10.16	92	237432	20.994	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119535	20.056	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	145772	20.475	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	88835	21.125	ug/l	95
56) Ethyl methacrylate	10.43	69	118177	21.423	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	158231	21.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	222838	100.248	ug/l	89
59) 2-Hexanone	10.75	43	314988	110.578	ug/l	90
60) Dibromochloromethane	10.90	129	89531	21.018	ug/l	100
61) 1,2-Dibromoethane	11.01	107	85606	21.302	ug/l	99
64) Tetrachloroethene	10.63	164	100684	21.465	ug/l	96
65) Chlorobenzene	11.43	112	248353	20.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	92055	20.550	ug/l	99
67) Ethyl Benzene	11.51	91	442668	20.497	ug/l	95
68) m/p-Xylenes	11.62	106	322126	40.306	ug/l	94
69) o-Xylene	11.95	106	156666	19.991	ug/l	92
70) Styrene	11.97	104	260799	20.813	ug/l	97
71) Bromoform	12.13	173	53253	20.293	ug/l #	98
73) Isopropylbenzene	12.25	105	418897	20.417	ug/l	99
74) N-amyl acetate	12.07	43	137353	21.489	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	108479	23.062	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	99955m	22.922	ug/l	
77) Bromobenzene	12.53	156	101563	20.511	ug/l	84
78) n-propylbenzene	12.59	91	457832	20.303	ug/l	96
79) 2-Chlorotoluene	12.67	91	282534	20.252	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	343086	20.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20881	18.626	ug/l #	79
82) 4-Chlorotoluene	12.77	91	272327	20.097	ug/l	95
83) tert-Butylbenzene	12.99	119	295684	21.478	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	336995	21.011	ug/l	97
85) sec-Butylbenzene	13.17	105	368220	20.135	ug/l	97
86) p-Isopropyltoluene	13.29	119	325839	20.201	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	164852	19.885	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159546	19.622	ug/l	97
89) n-Butylbenzene	13.62	91	248131	18.855	ug/l	97
90) Hexachloroethane	13.88	117	50791	18.546	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	167055	19.966	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15141	21.587	ug/l	84

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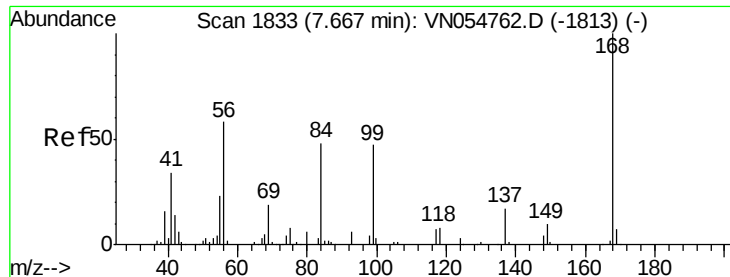
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70892	17.575	ug/l	98
94) Hexachlorobutadiene	15.01	225	48149	18.845	ug/l	97
95) Naphthalene	15.13	128	170114	18.804	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	76312	18.733	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion:168 Resp: 415160

Ion Ratio Lower Upper

168 100

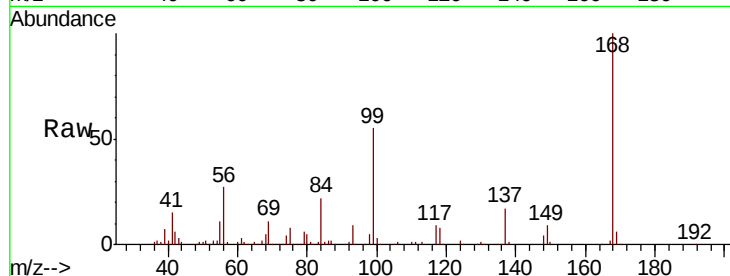
99 54.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

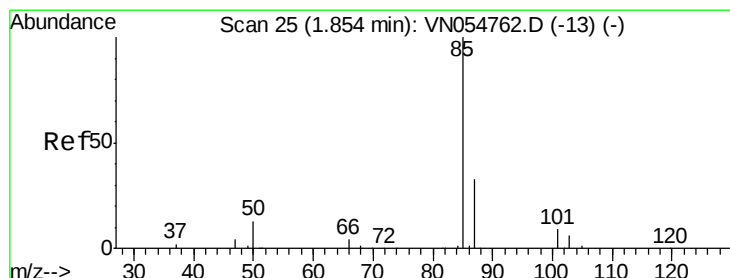
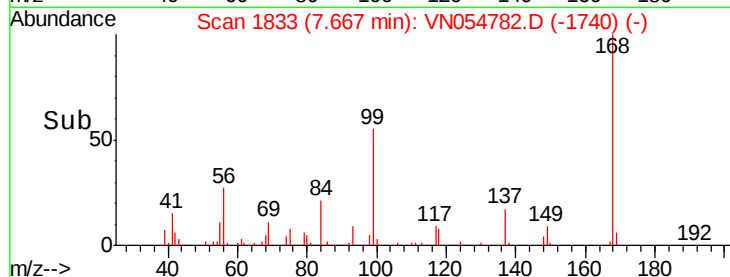
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.443 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054782.D

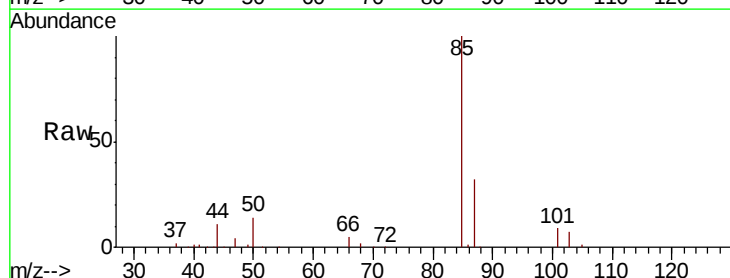
Acq: 29 Mar 2019 20:38

Tgt Ion: 85 Resp: 85848

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

40000

20000

0

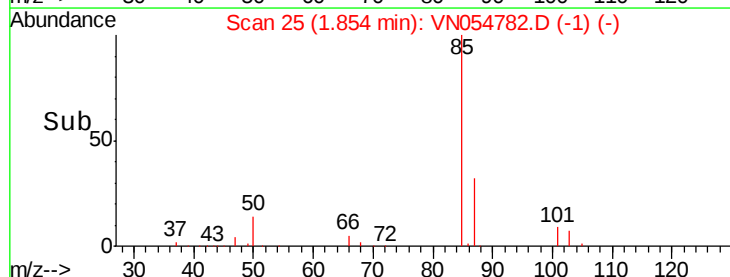
1.85

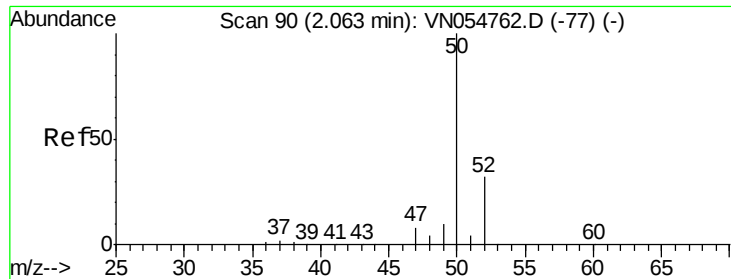
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 21.057 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 50 Resp: 122265

Ion Ratio Lower Upper

50 100

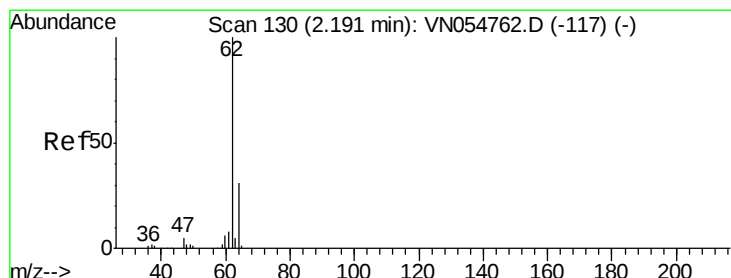
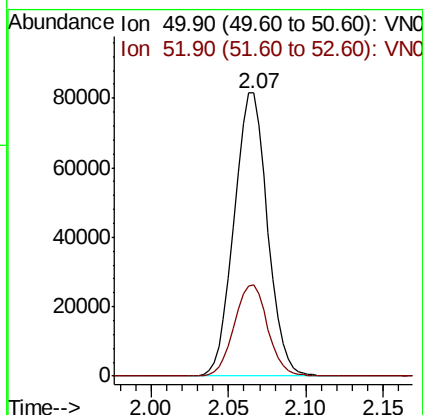
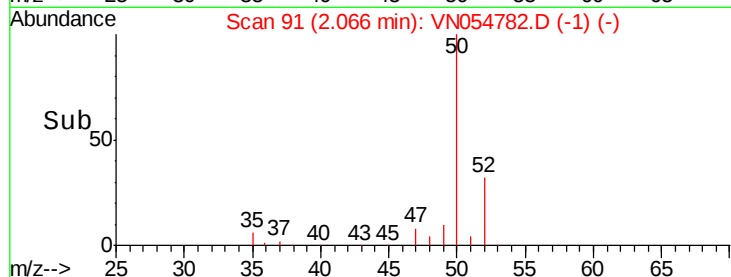
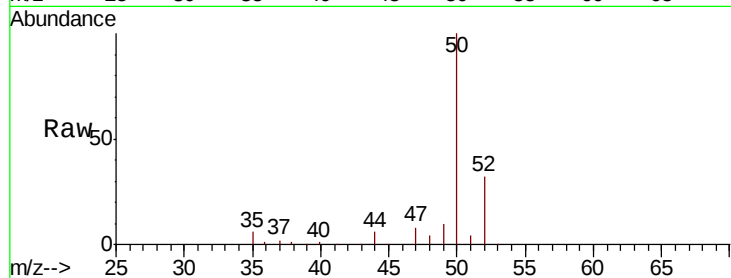
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.211 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054782.D

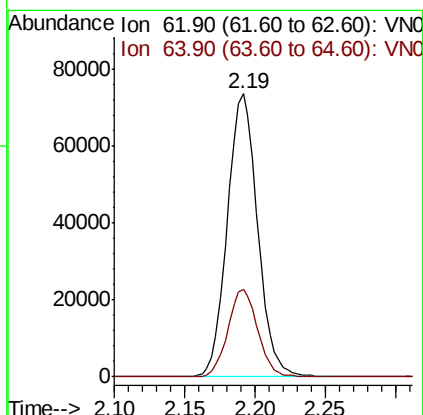
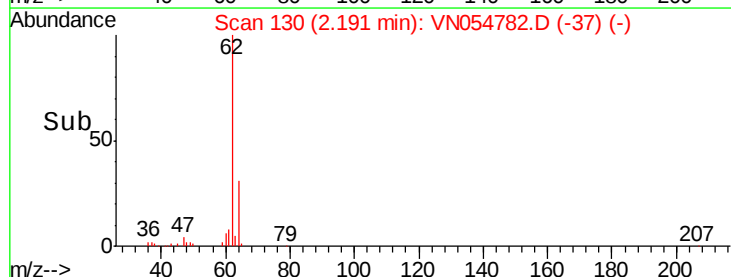
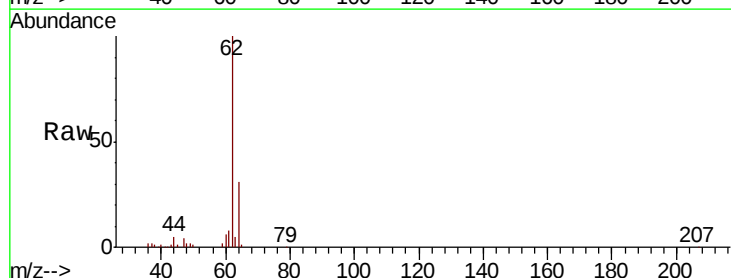
Acq: 29 Mar 2019 20:38

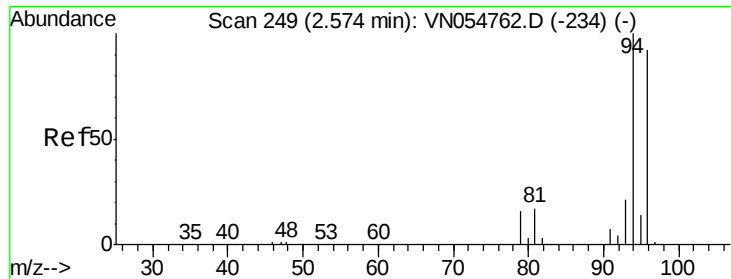
Tgt Ion: 62 Resp: 110602

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 22.133 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

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VN0329WBS01

Tot Ion: 94 Resp: 63930

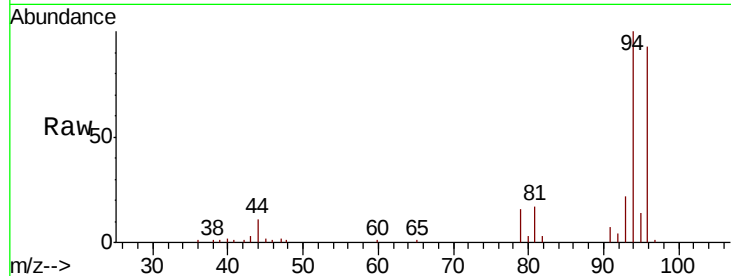
Ion Ratio Lower Upper

94 100

96 92.9 77.0 115.4

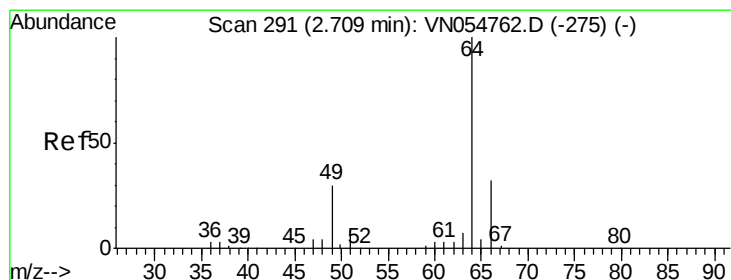
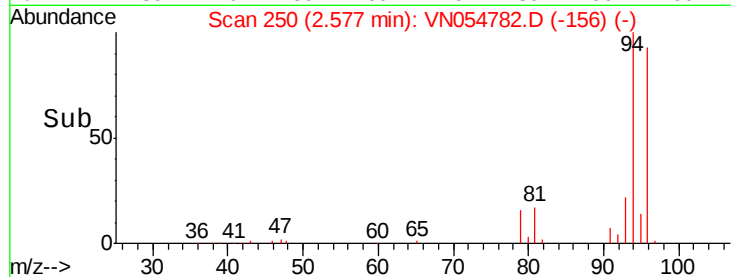
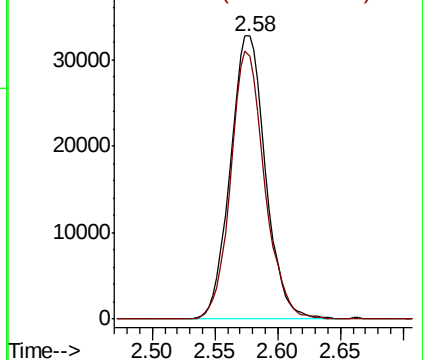
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.722 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054782.D

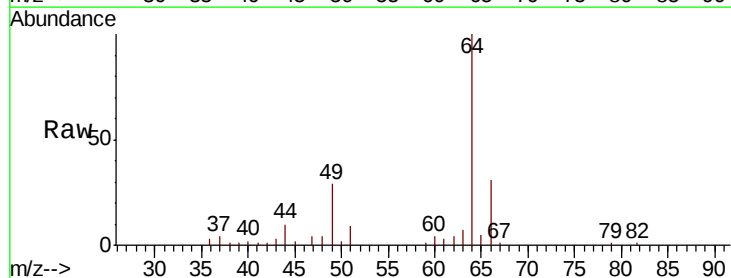
Acq: 29 Mar 2019 20:38

Tgt Ion: 64 Resp: 60334

Ion Ratio Lower Upper

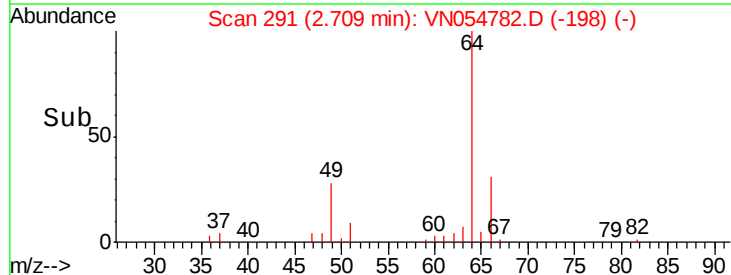
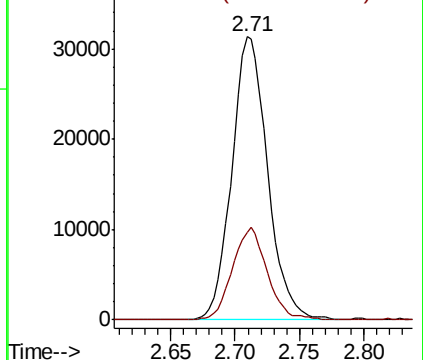
64 100

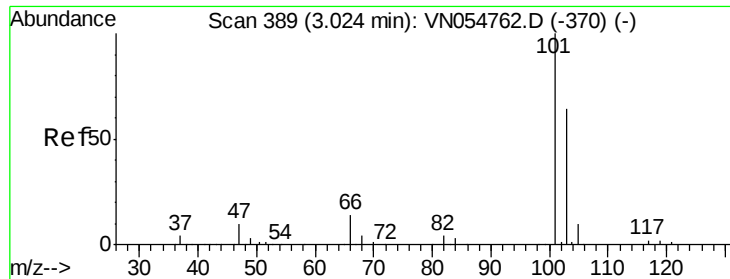
66 31.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

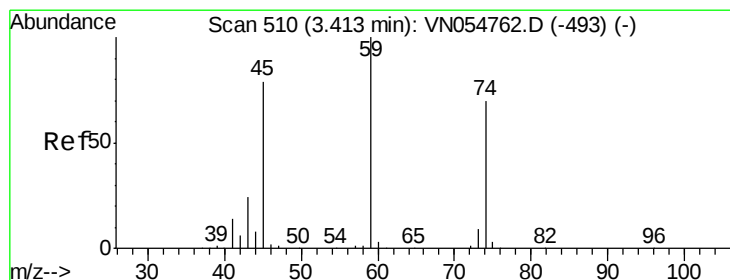
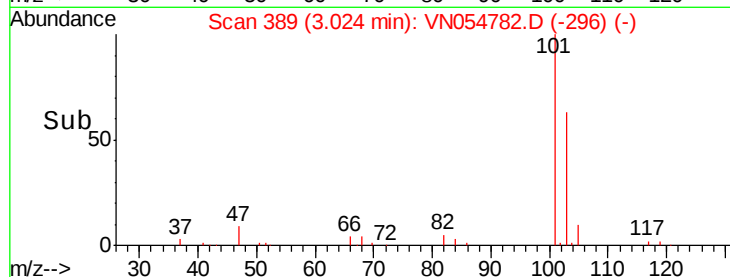
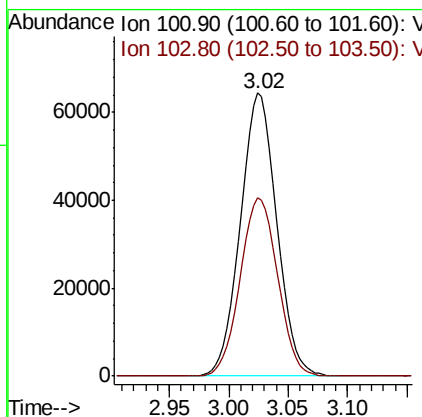
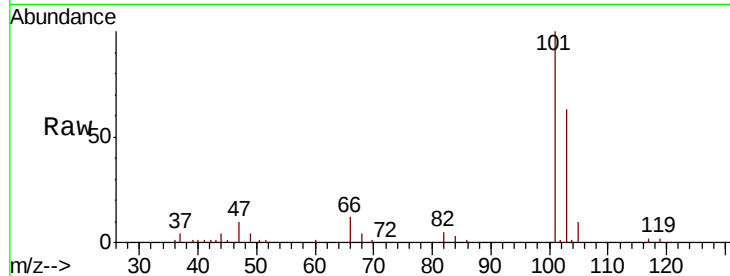
Trichlorofluoromethane
Concen: 21.285 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2

Manual Integrations
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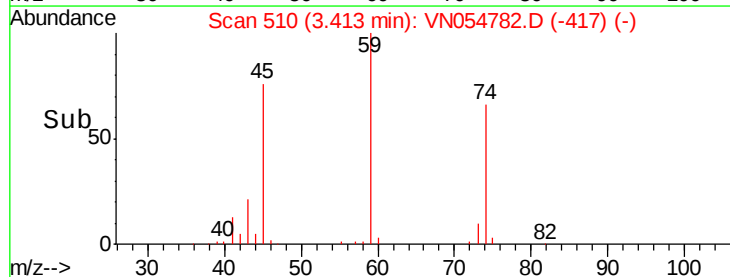
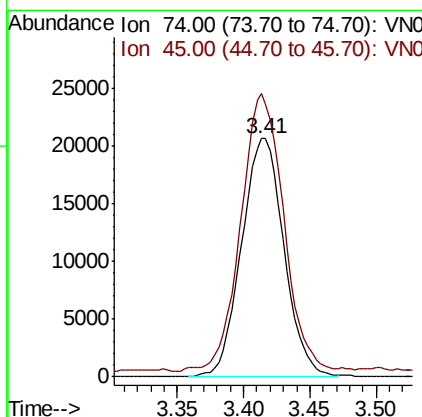
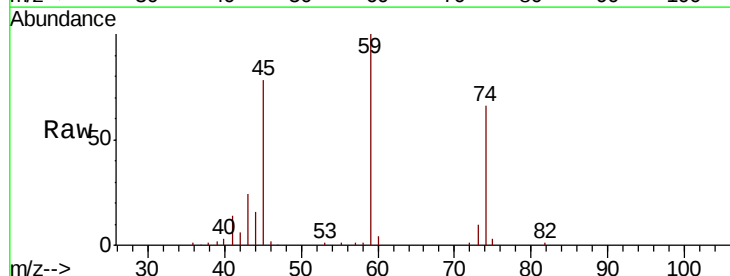
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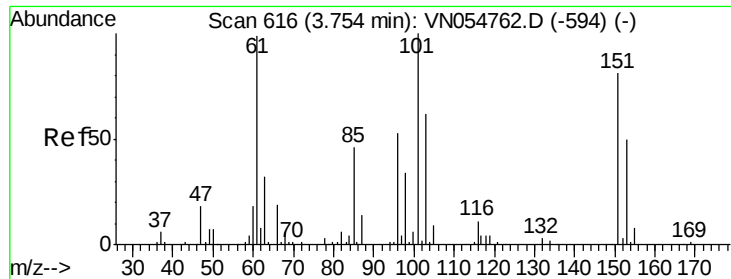


#8

Diethyl Ether
Concen: 22.267 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054782.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.5	43.1	129.4





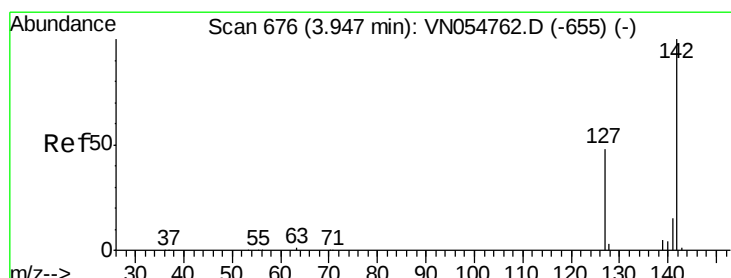
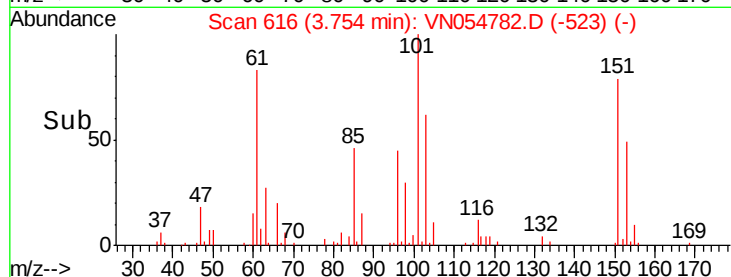
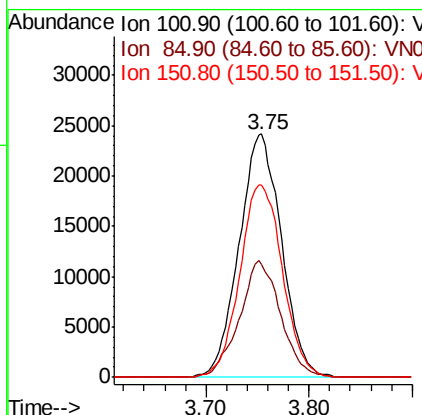
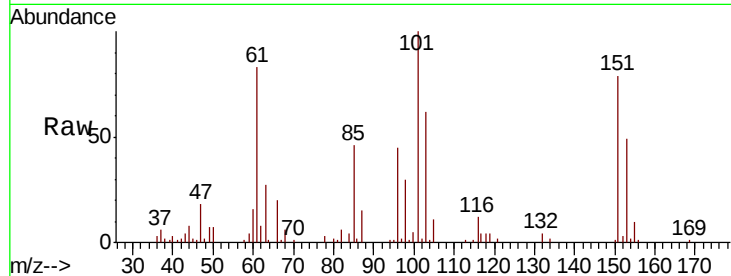
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.419 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	32.4	48.6
151	79.7	68.2	102.2

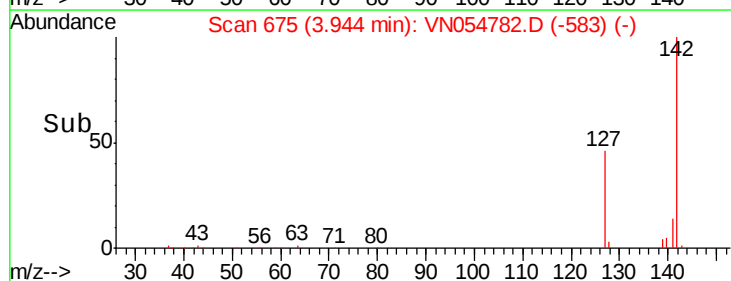
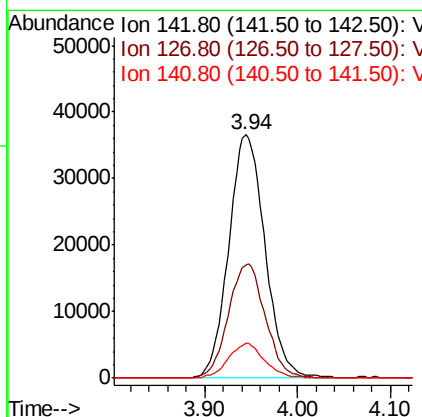
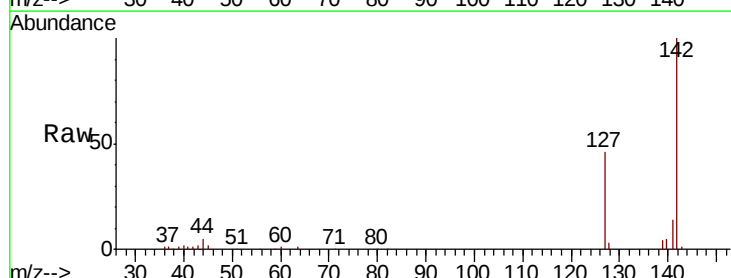
Manual Integrations
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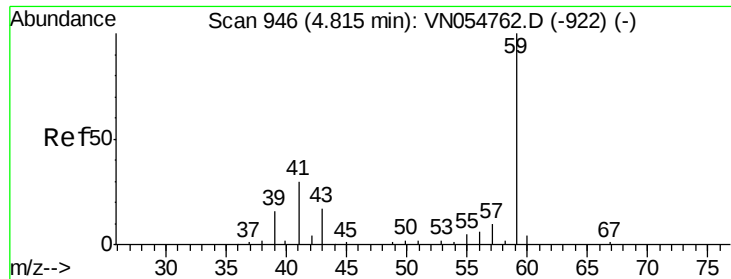
MMDadoda
 4/1/2019 3:59:03 PM



#10
 Methyl Iodide
 Concen: 21.504 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.8	30.3	45.5#
141	14.2	11.2	16.8





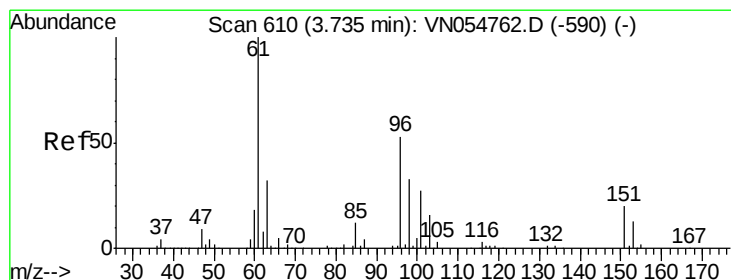
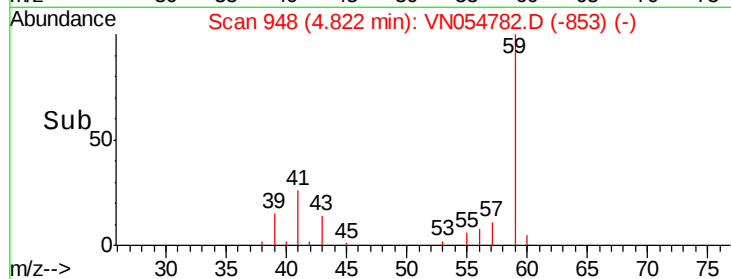
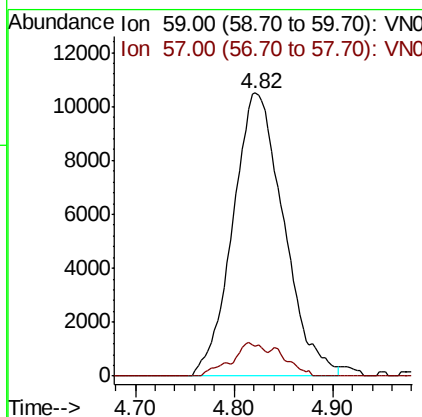
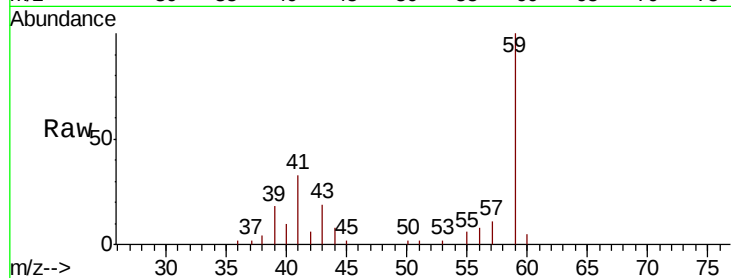
#11
Tert butyl alcohol
Concen: 128.799 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :
VN0329WBS01

Tot Ion: 59 Resp: 37556
Ion Ratio Lower Upper
59 100
57 7.7 9.0 13.6#

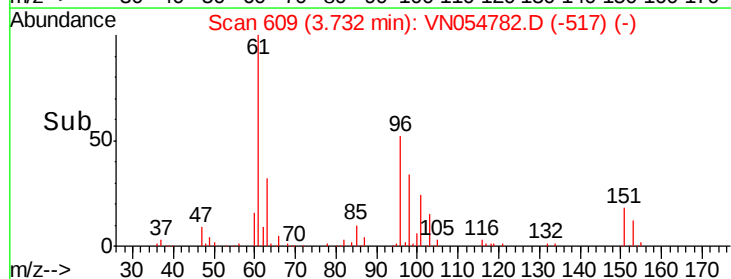
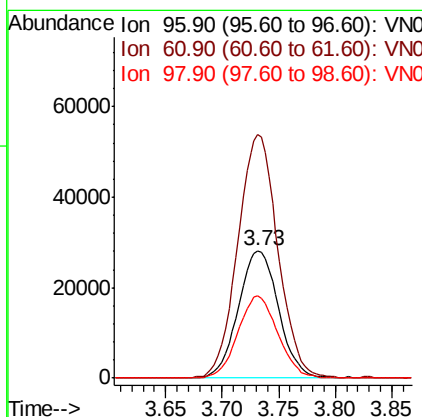
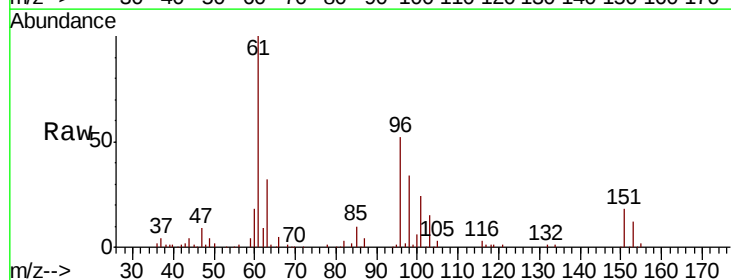
Manual Integrations
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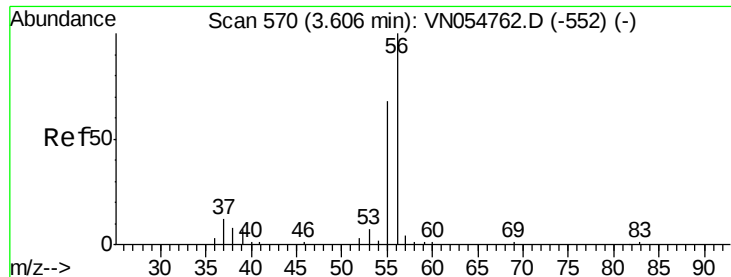
MMDadoda
4/1/2019 3:59:03 PM



#12
1,1-Dichloroethene
Concen: 21.362 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 96 Resp: 69714
Ion Ratio Lower Upper
96 100
61 191.2 116.5 174.7#
98 64.5 51.0 76.4





#13

Acrolein

Concen: 125.088 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 56 Resp: 32607

Ion Ratio Lower Upper

56 100

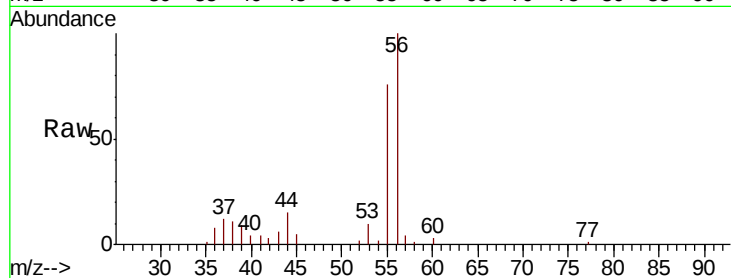
55 71.8 56.7 85.1

Manual Integrations

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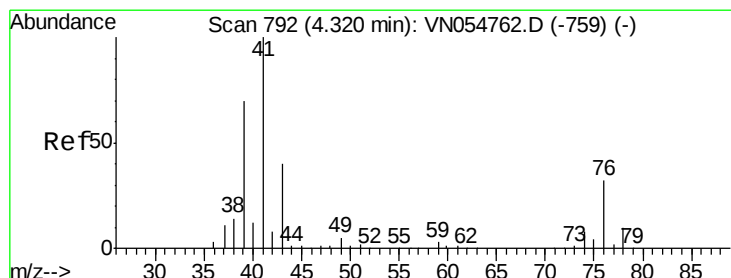
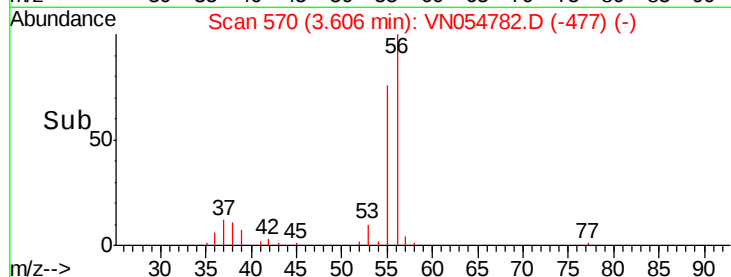
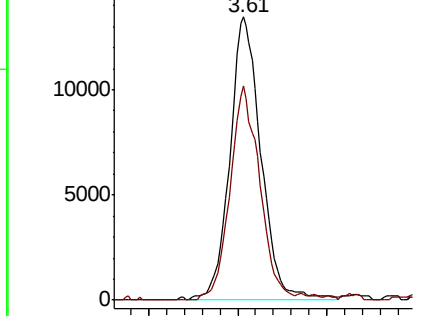
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.227 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

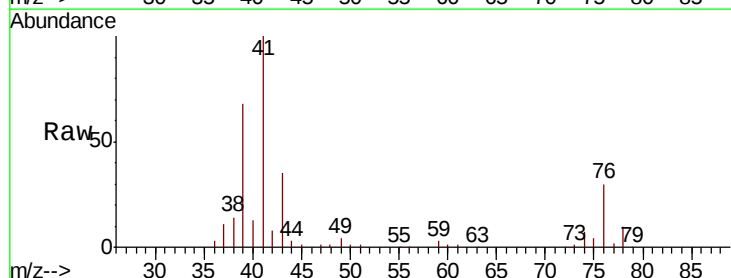
Tgt Ion: 41 Resp: 170629

Ion Ratio Lower Upper

41 100

39 65.1 58.2 87.4

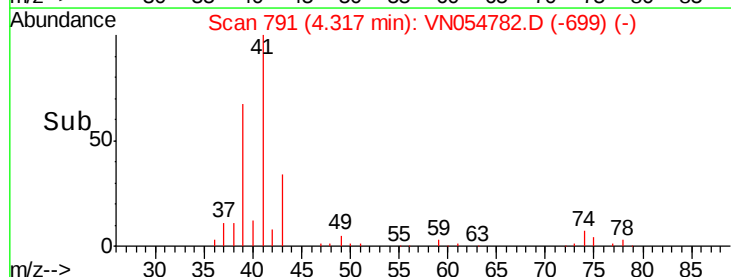
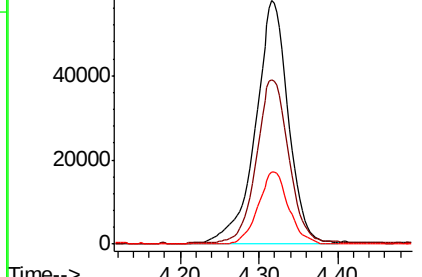
76 27.3 31.7 47.5#

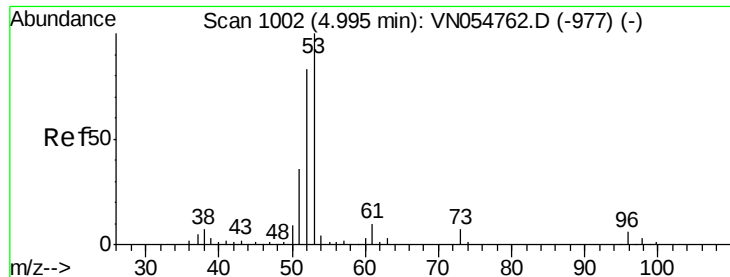


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 118.064 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

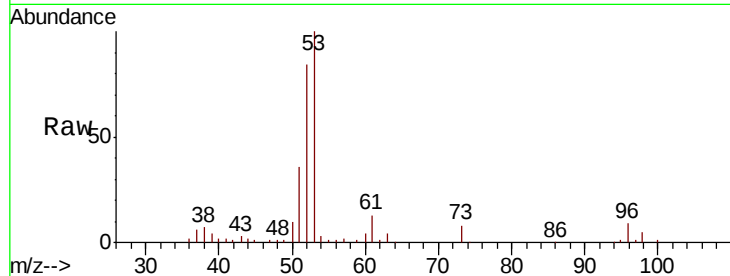
ClientSampleId :

VN0329WBS01

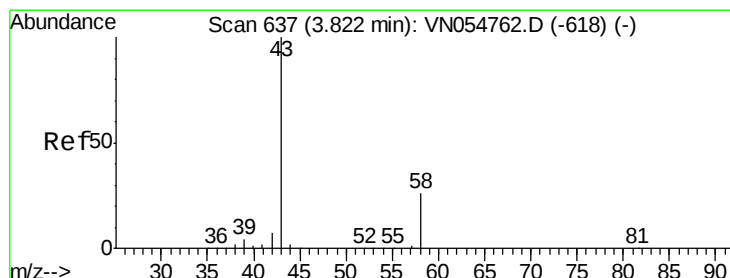
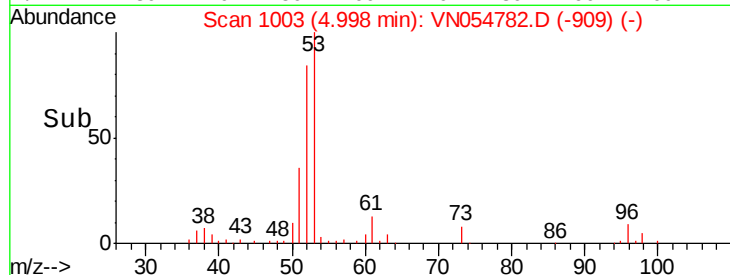
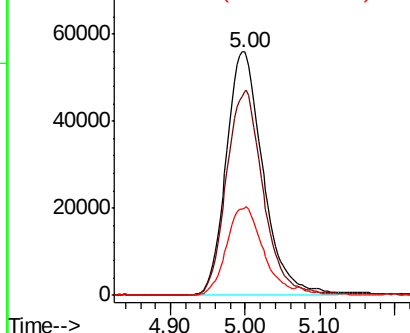
Tot Ion:	53	Resp:	191349
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.4	99.6
51	35.7	29.6	44.4

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Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.816 ug/l

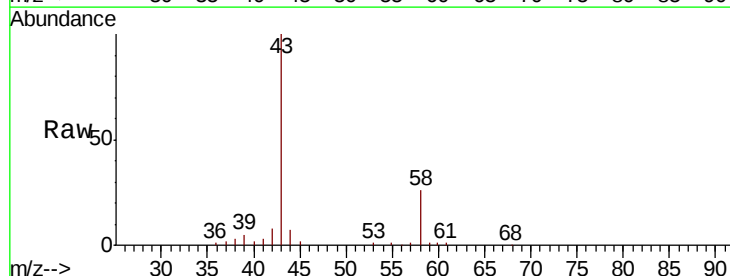
RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

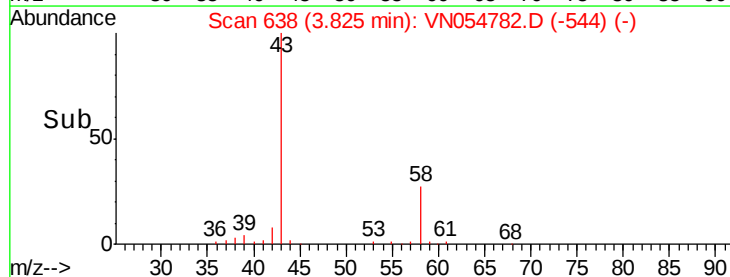
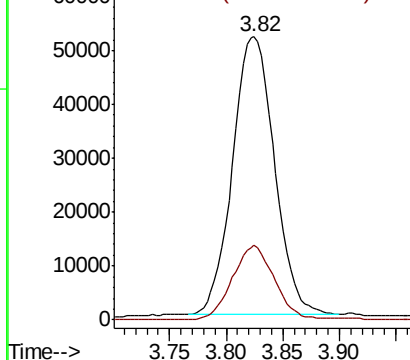
Lab File: VN054782.D

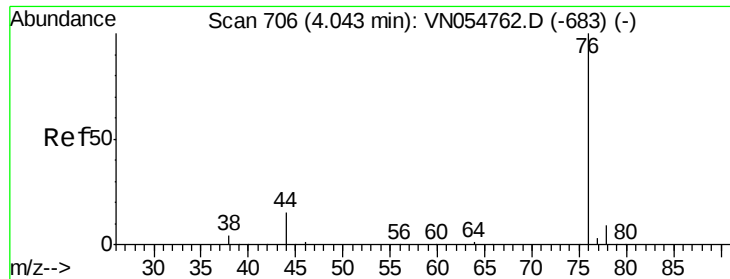
Acq: 29 Mar 2019 20:38

Tgt Ion:	43	Resp:	133211
Ion	Ratio	Lower	Upper
43	100		
58	26.7	29.9	44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.606 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 76 Resp: 207520

Ion Ratio Lower Upper

76 100

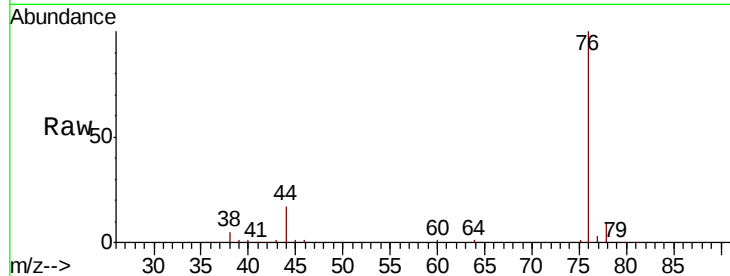
78 9.6 7.5 11.3

Manual Integrations

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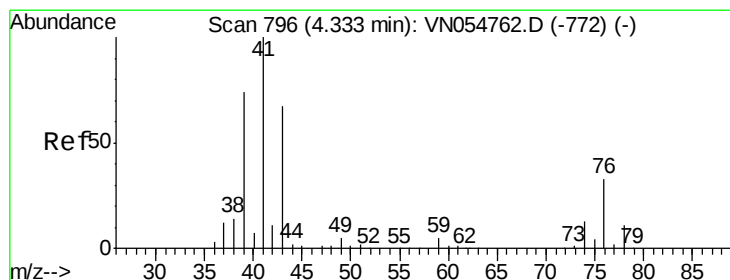
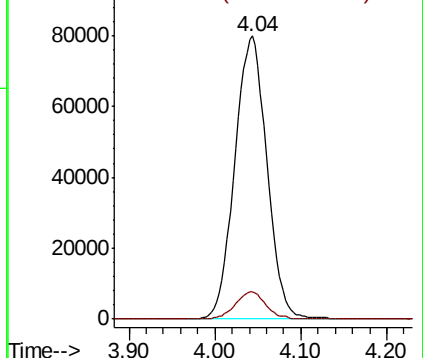
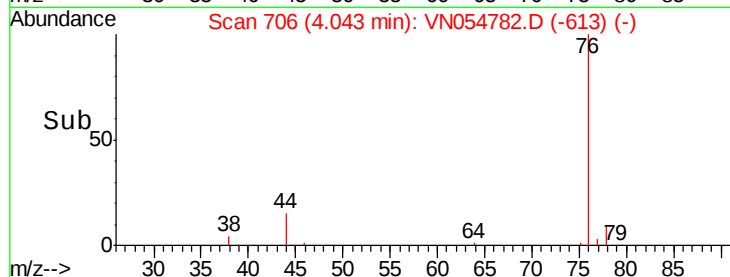
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.786 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054782.D

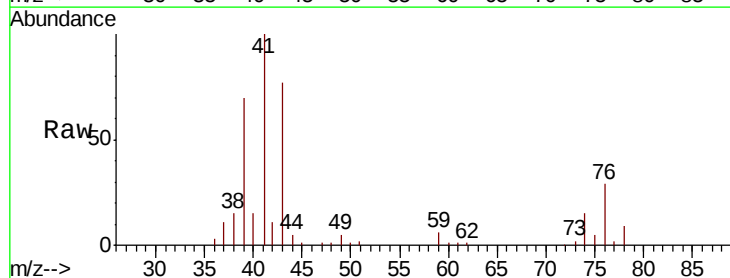
Acq: 29 Mar 2019 20:38

Tgt Ion: 43 Resp: 87768

Ion Ratio Lower Upper

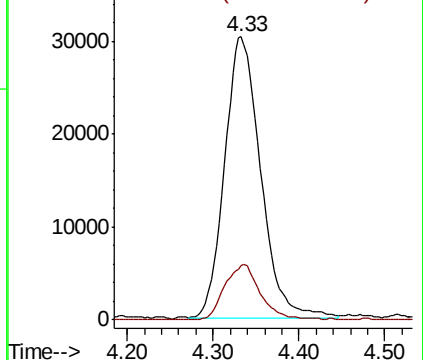
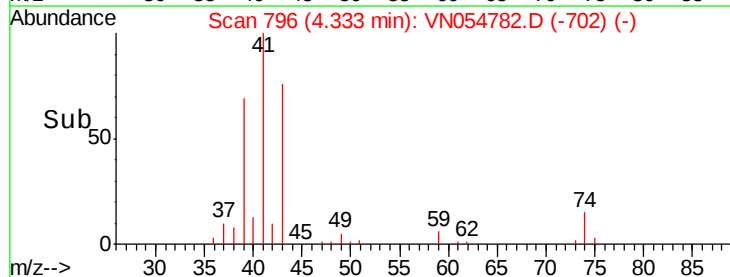
43 100

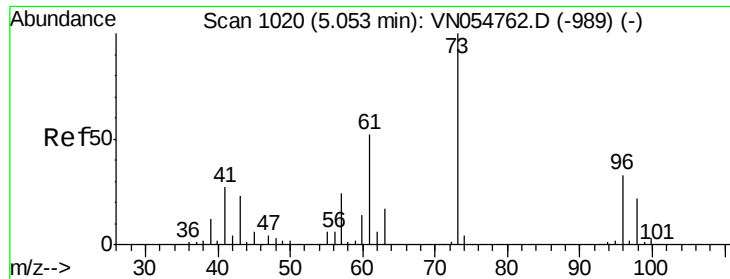
74 19.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





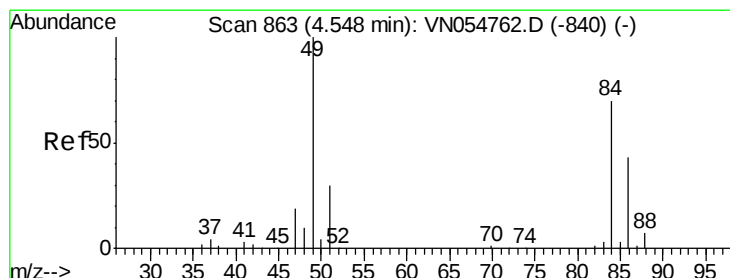
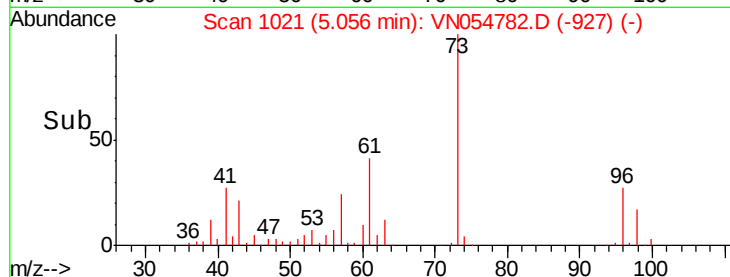
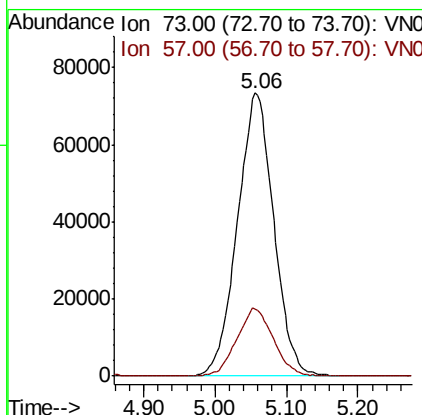
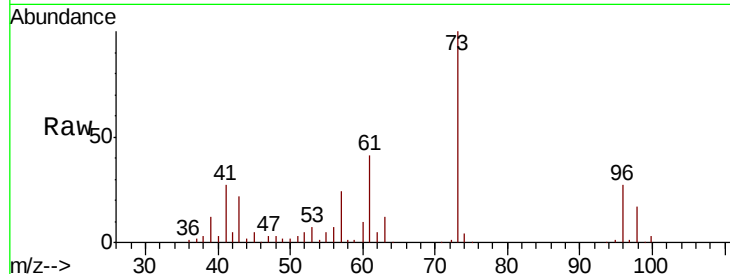
#19
Methvl tert-butvl Ether
Concen: 22.761 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion: 73 Resp: 259829
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2

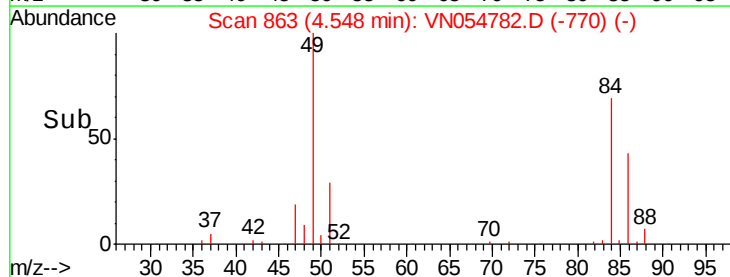
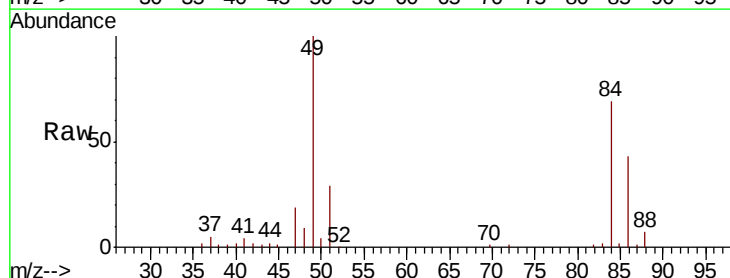
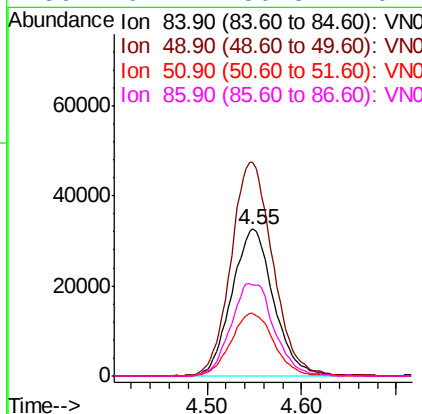
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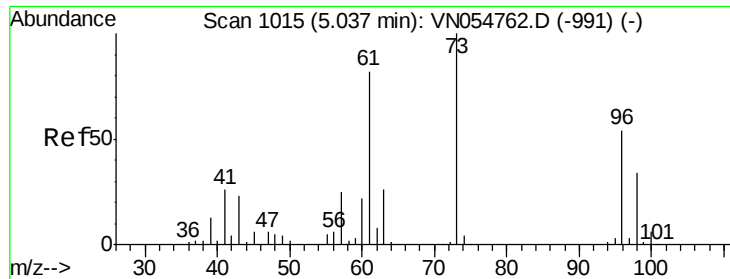
MMDadoda
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#20
Methylene Chloride
Concen: 21.293 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 84 Resp: 100237
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 42.3 28.2 42.4
86 62.1 50.8 76.2





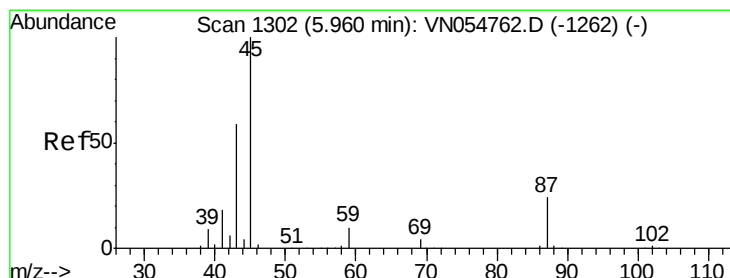
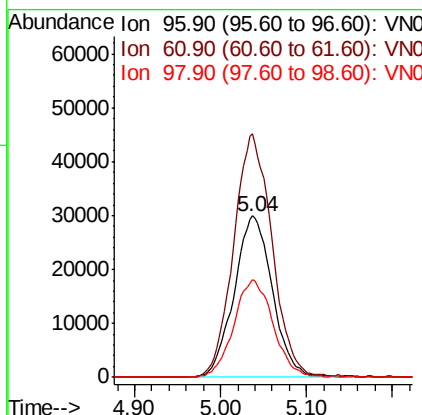
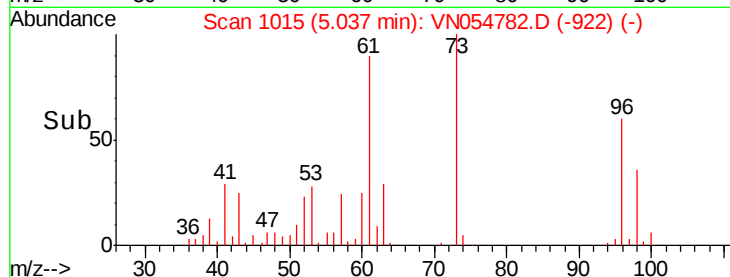
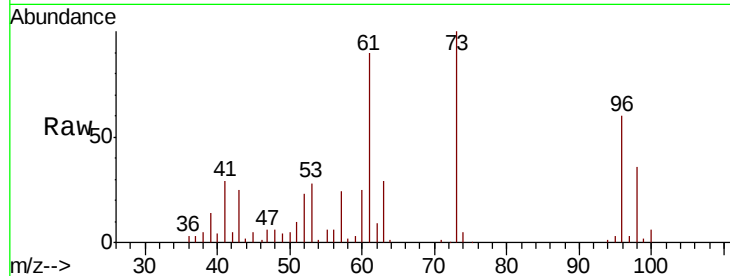
#21
trans-1,2-Dichloroethene
Concen: 21.639 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	102.8	154.2
98	60.4	50.0	75.0

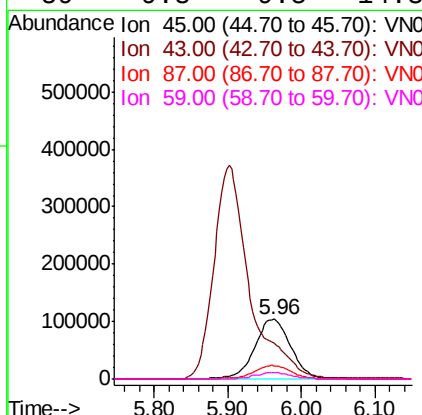
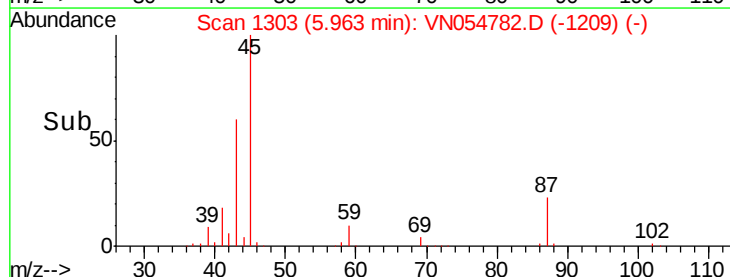
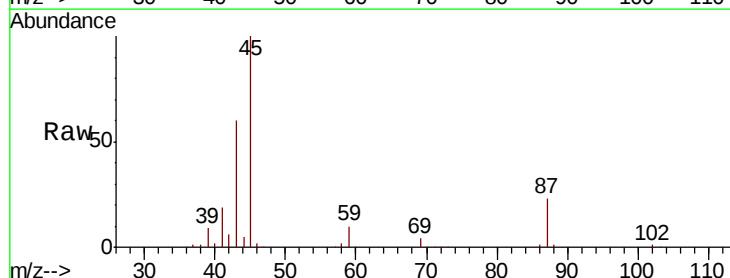
Manual Integrations
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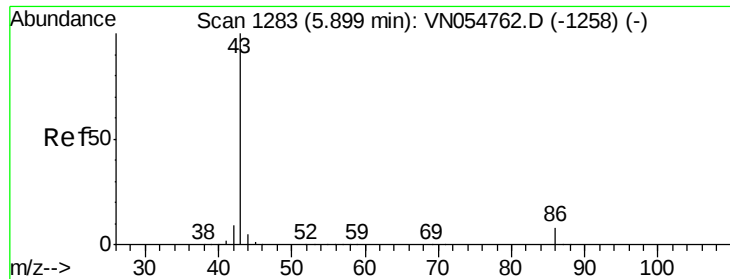
MMDadoda
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#22
Diisopropyl ether
Concen: 22.365 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.2	72.2
87	22.2	24.9	37.3
59	9.8	9.5	14.3





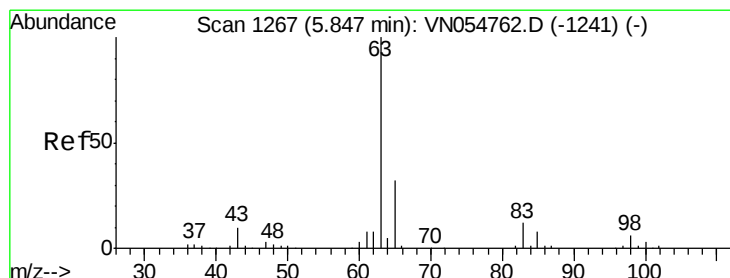
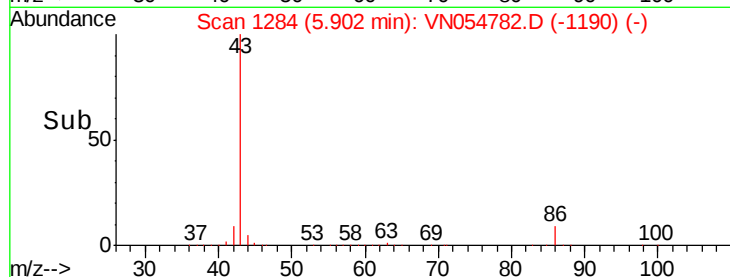
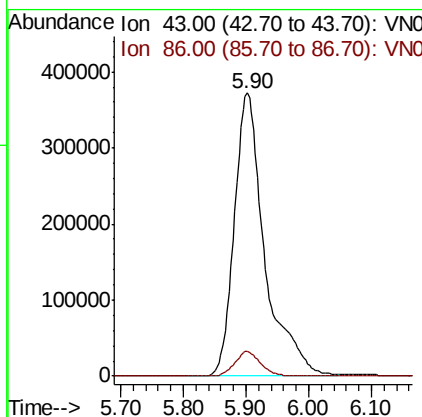
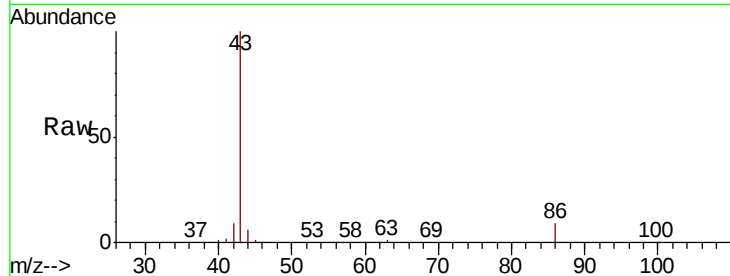
#23
 Vinyl Acetate
 Concen: 113.238 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion: 43 Resp: 1252824
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

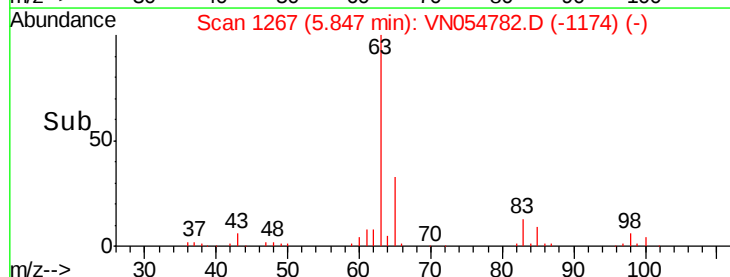
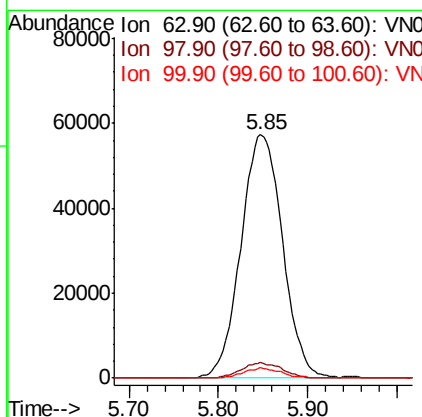
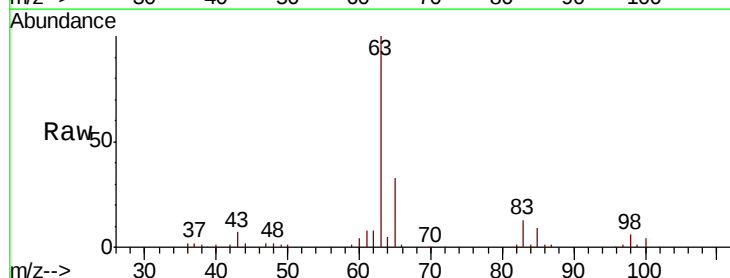
Manual Integrations
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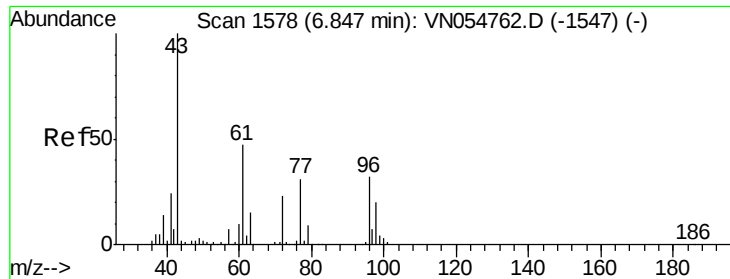
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.909 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 63 Resp: 185805
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 120.060 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 43 Resp: 236847

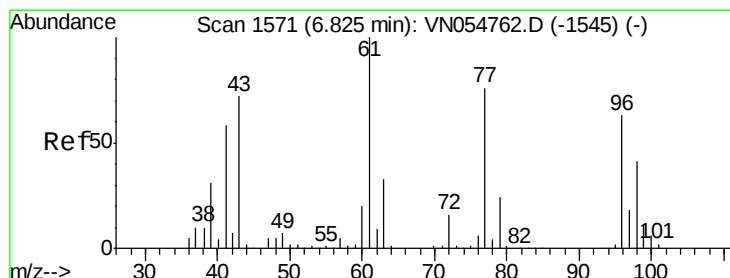
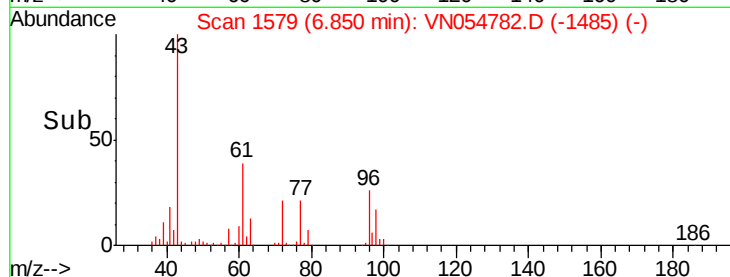
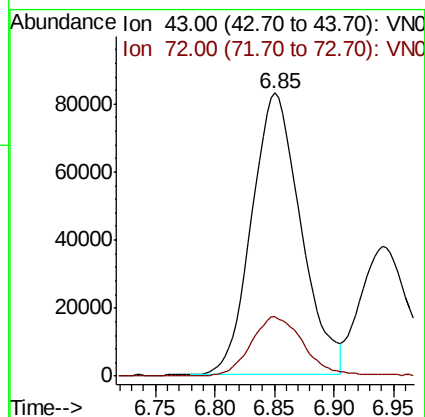
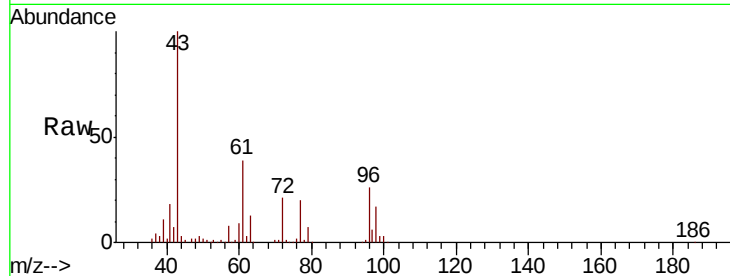
Ion Ratio Lower Upper

43 100

72 21.0 23.0 34.6#

Manual Integrations
APPROVED

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4/1/2019 3:59:03 PM



#26

2,2-Dichloropropane

Concen: 18.658 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054782.D

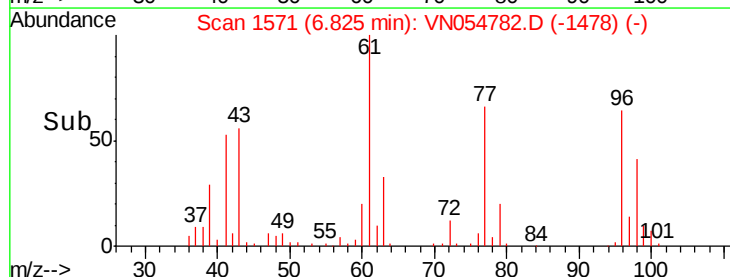
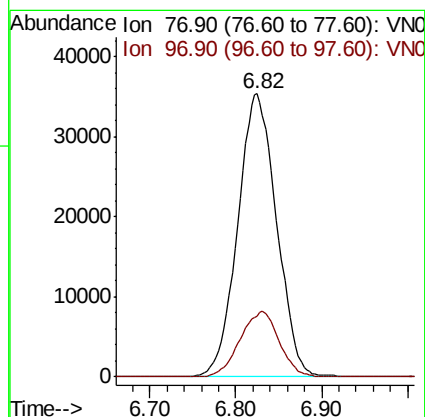
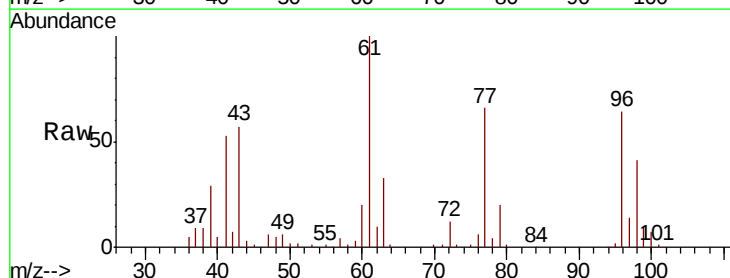
Acq: 29 Mar 2019 20:38

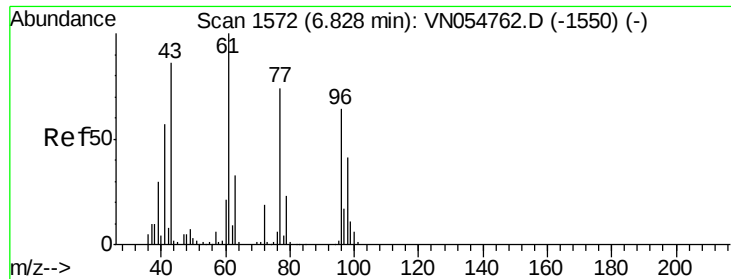
Tgt Ion: 77 Resp: 110901

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.028 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

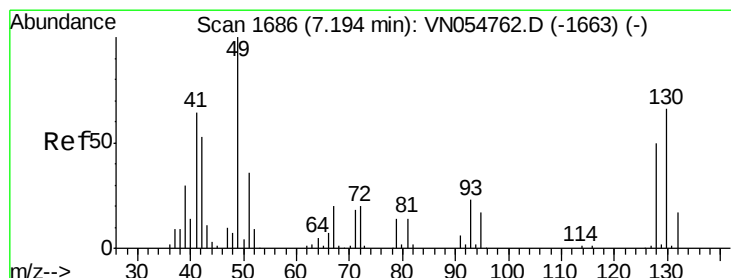
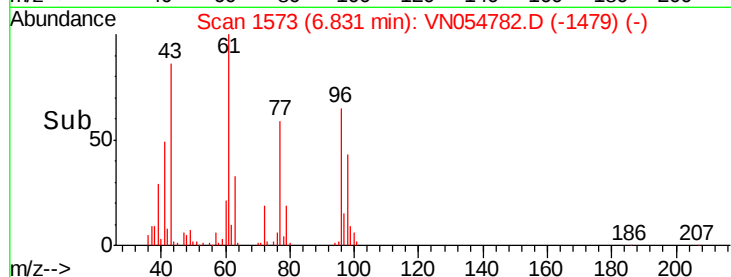
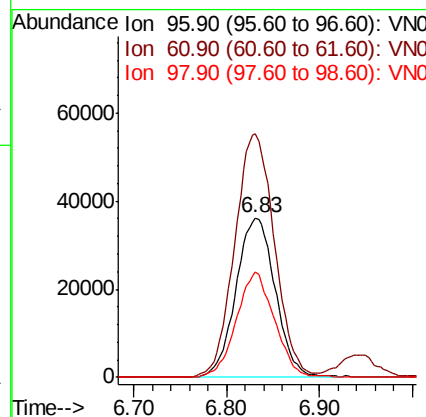
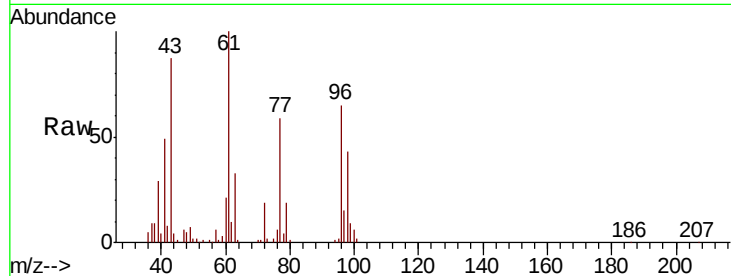
ClientSampleId :

VN0329WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	273.0
98	63.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 23.440 ug/l

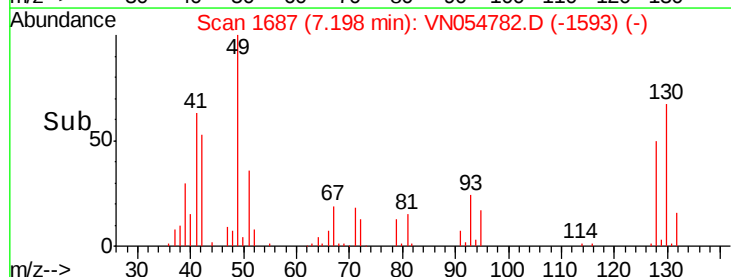
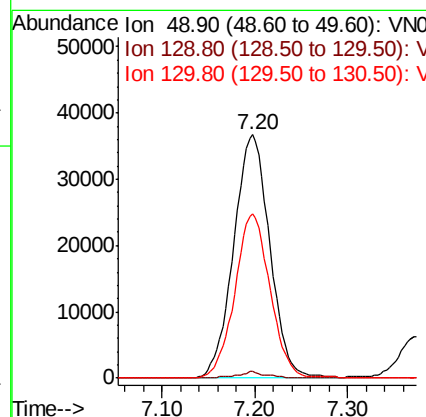
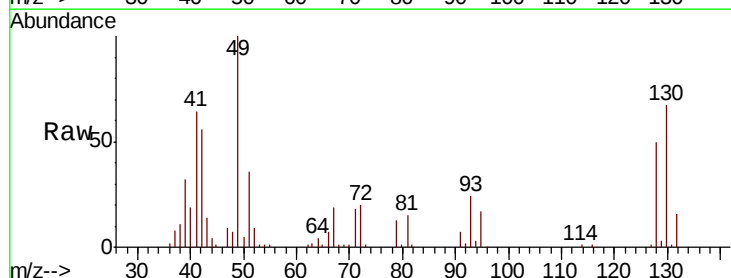
RT: 7.20 min Scan# 1687

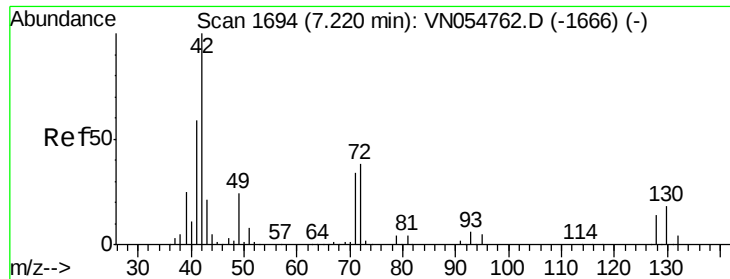
Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	65.8	76.7	115.1#





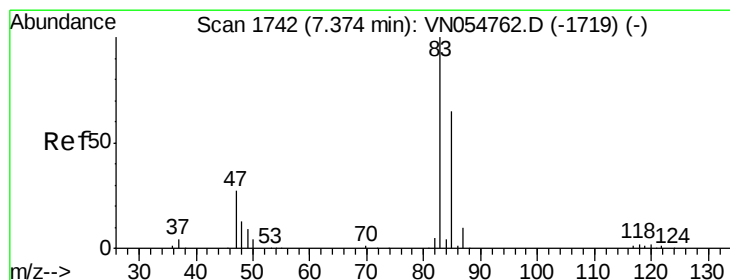
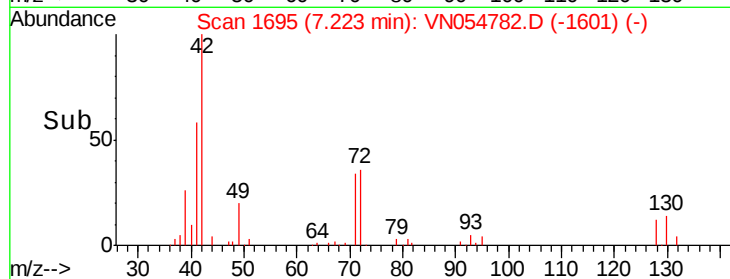
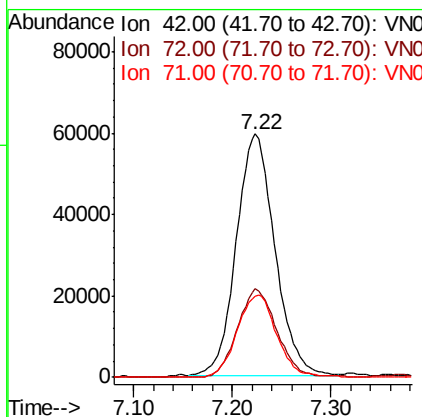
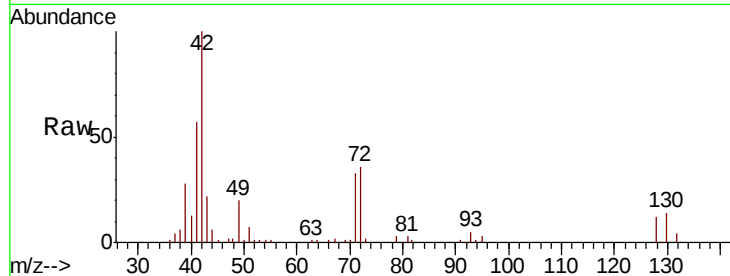
#29
Tetrahydrofuran
Concen: 117.080 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	37.8	56.6#
71	35.0	36.2	54.2#

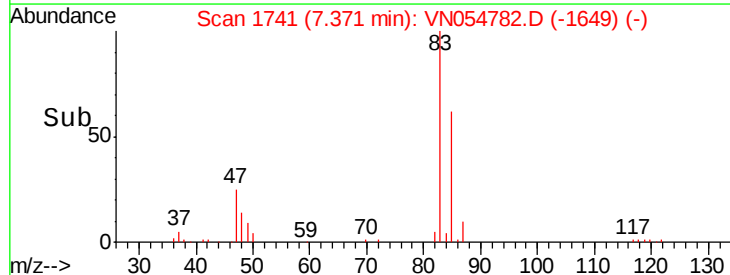
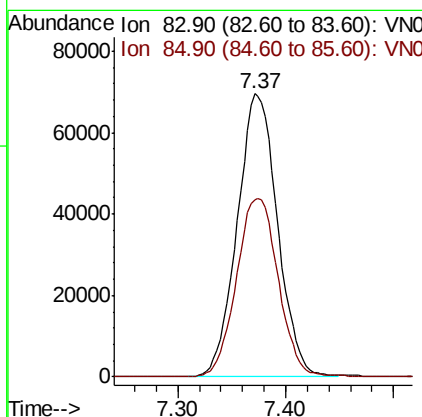
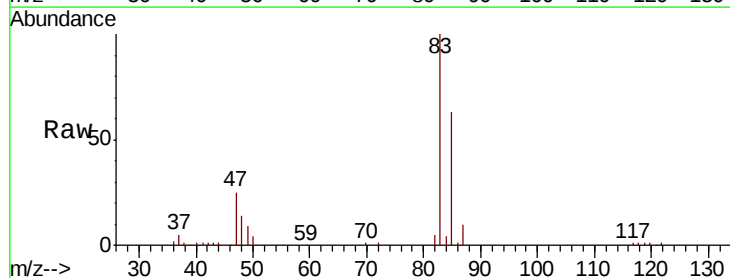
Manual Integrations
APPROVED

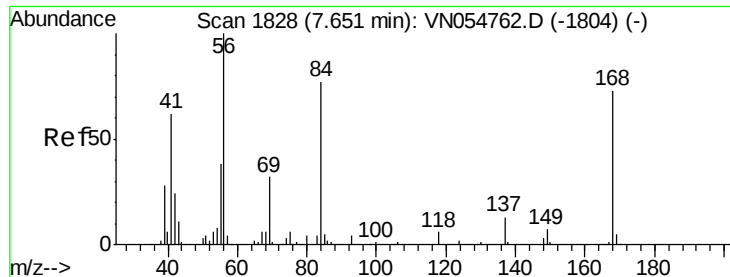
MMDadoda
4/1/2019 3:59:03 PM



#30
Chloroform
Concen: 22.351 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4





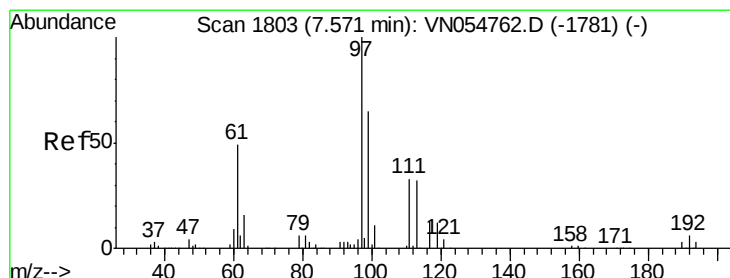
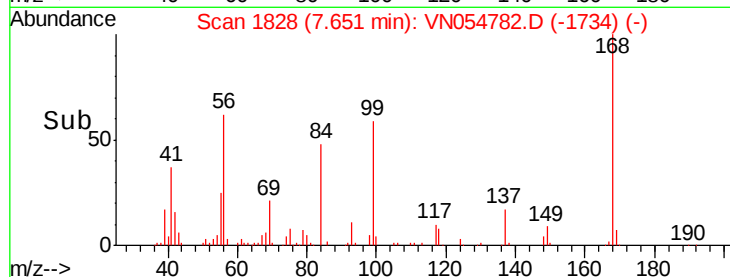
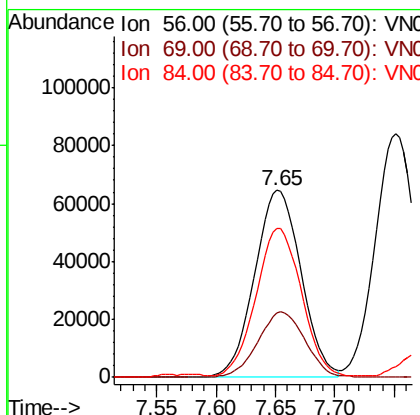
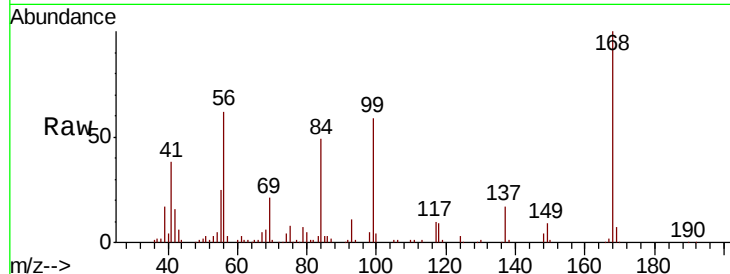
#31
Cyclohexane
Concen: 21.411 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.8	41.6
84	78.0	74.6	111.8

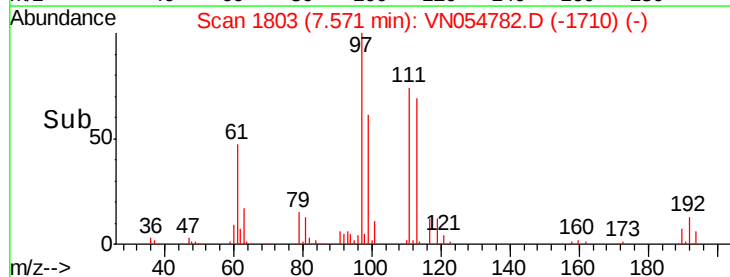
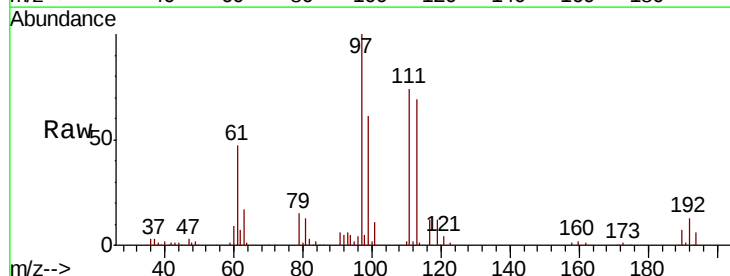
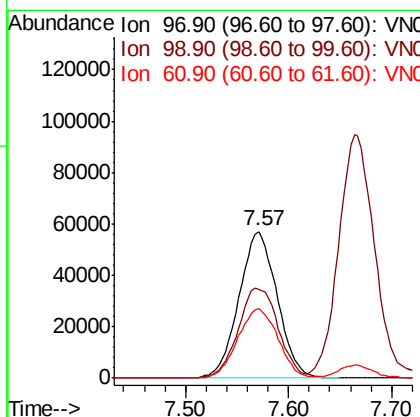
Manual Integrations
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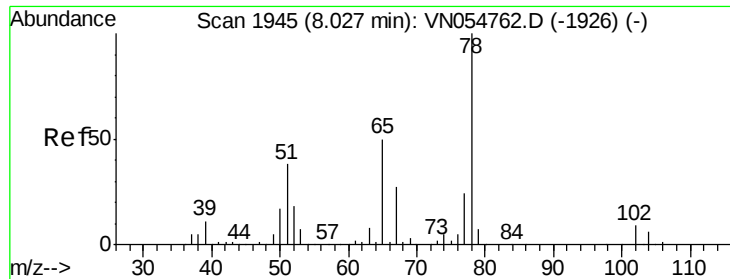
MMDadoda
4/1/2019 3:59:03 PM



#32
1,1,1-Trichloroethane
Concen: 21.952 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.8	33.6	50.4





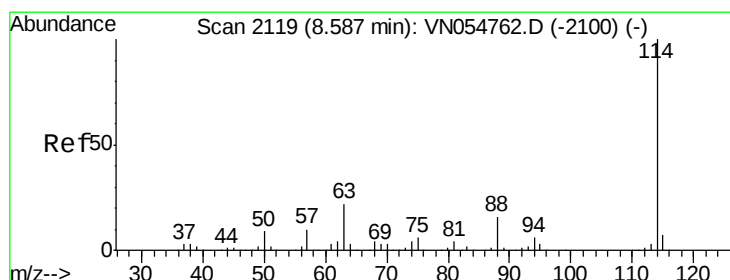
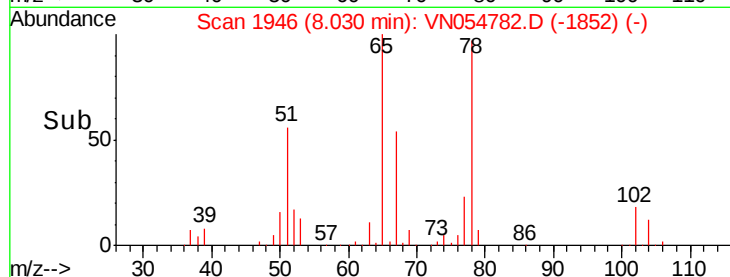
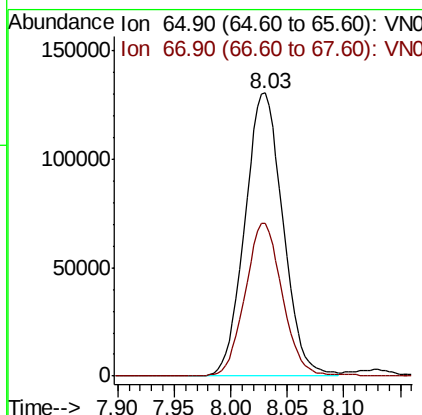
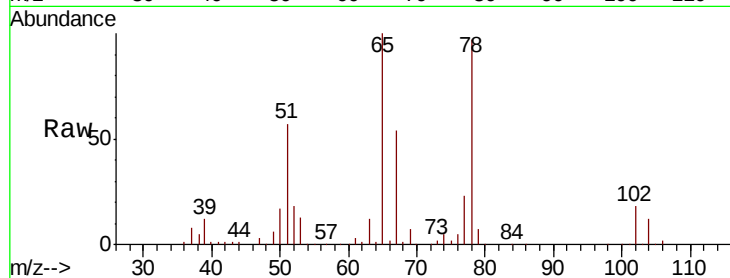
#33
 1,2-Dichloroethane-d4
 Concen: 54.708 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	104.6	

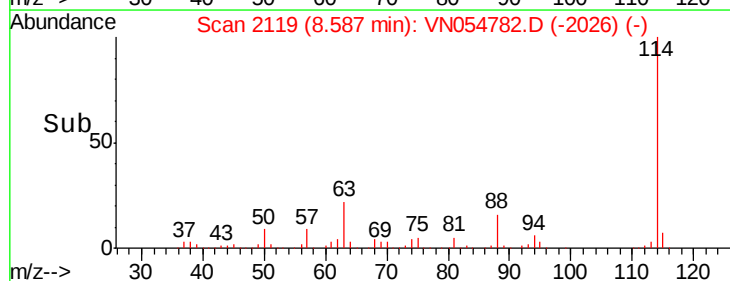
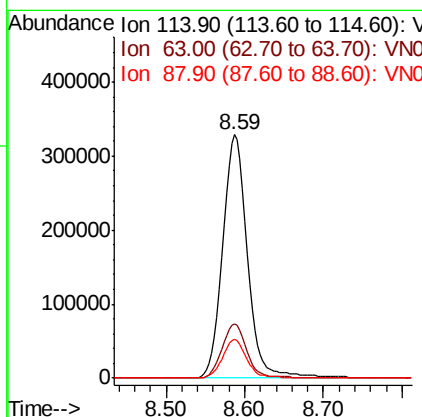
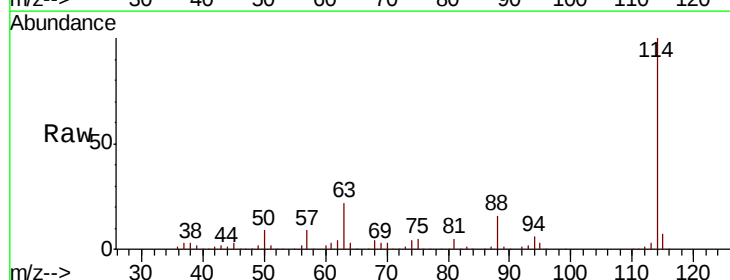
Manual Integrations
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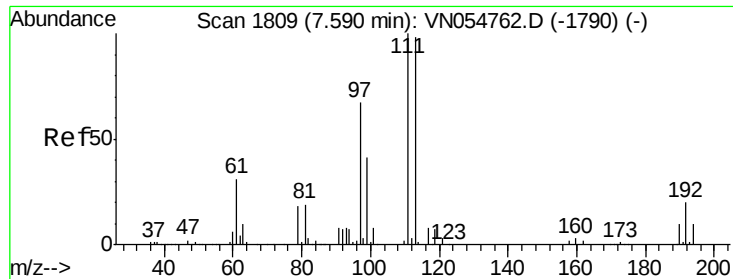
MMDadoda
 4/1/2019 3:59:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	35.2	
88	16.0	0.0	30.2	





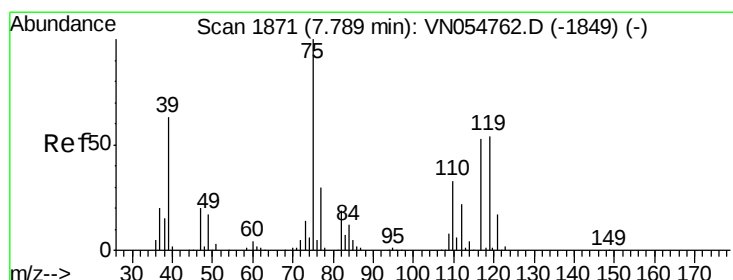
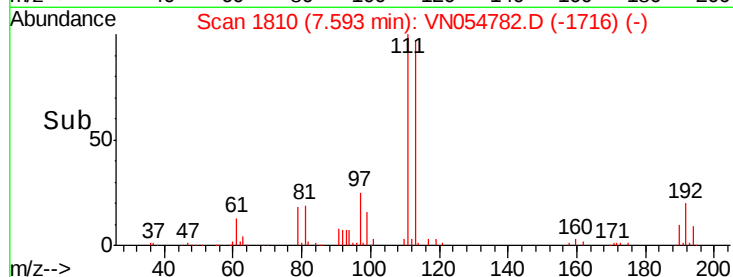
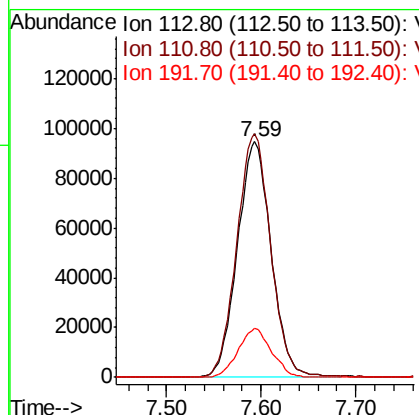
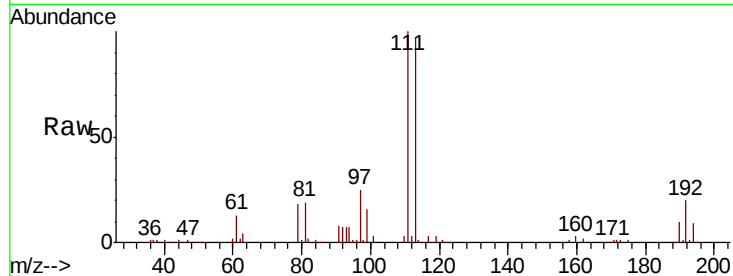
#35
 Dibromofluoromethane
 Concen: 49.495 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	235218		
111	103.9	82.2	123.4	
192	20.4	19.2	28.8	

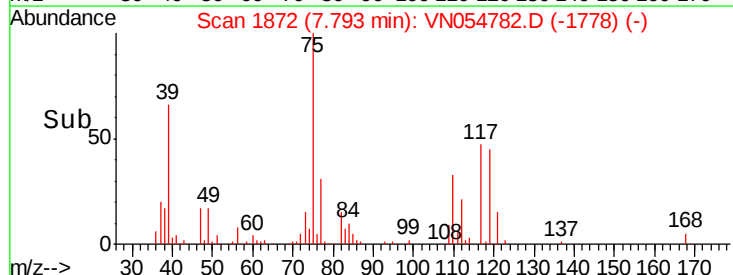
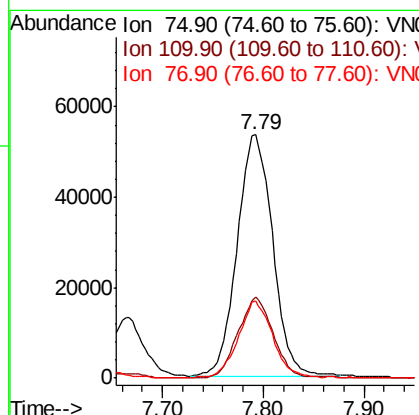
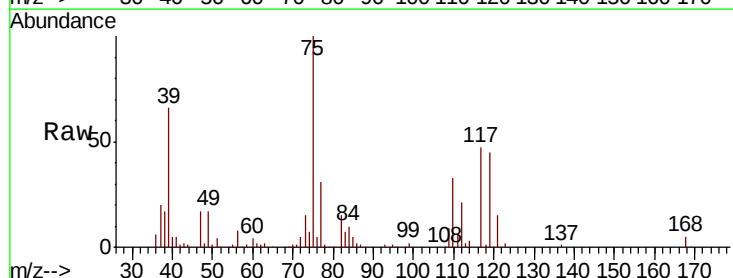
Manual Integrations
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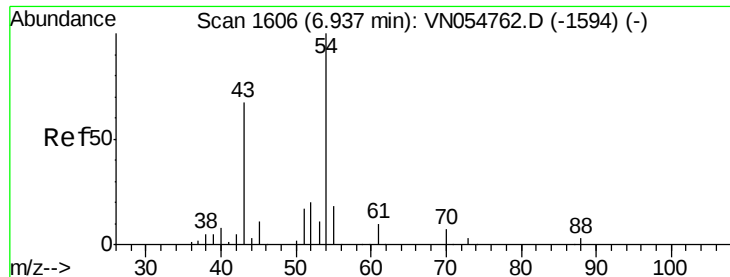
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 4/1/2019 3:59:03 PM



#36
 1,1-Dichloropropene
 Concen: 19.726 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131022		
110	33.1	19.1	57.5	
77	31.0	25.0	37.4	





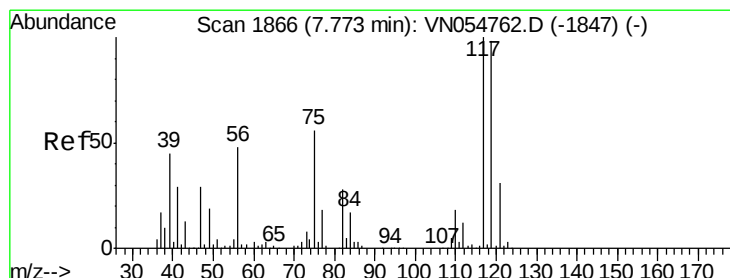
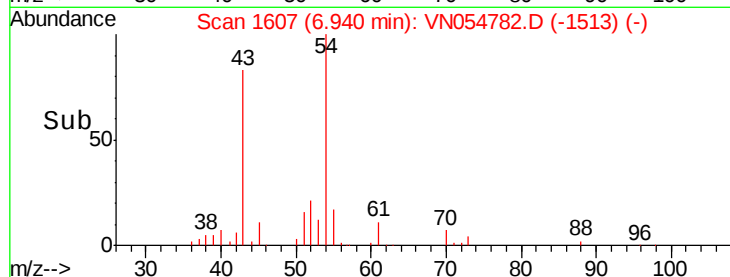
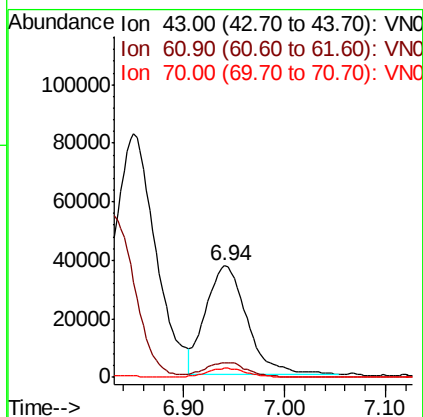
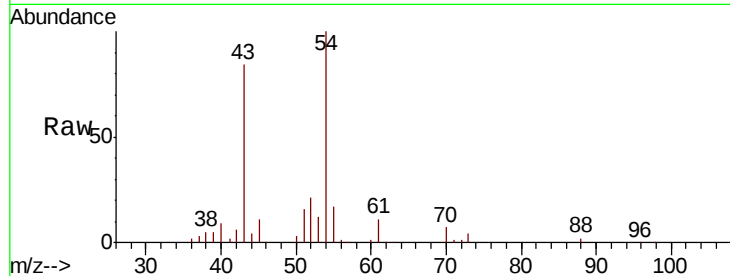
#37
Ethyl Acetate
Concen: 21.806 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	8.3	8.4	12.6

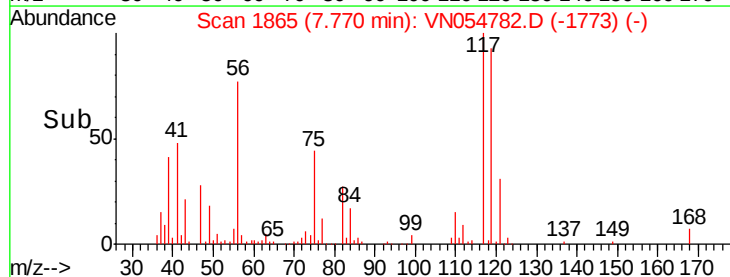
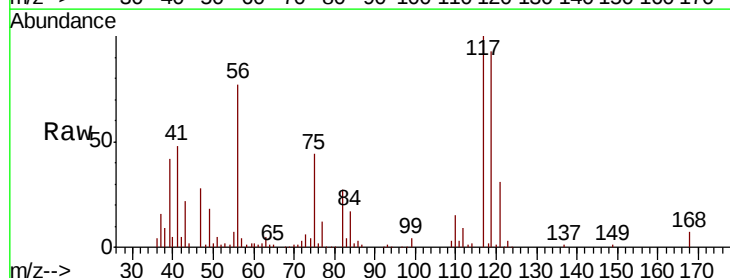
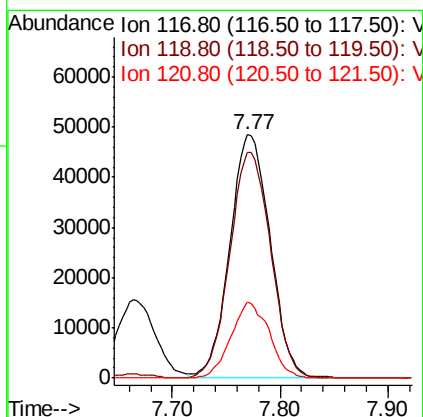
Manual Integrations
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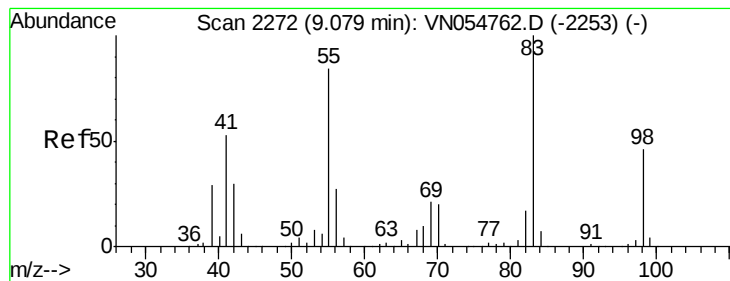
MMDadoda
4/1/2019 3:59:03 PM



#38
Carbon Tetrachloride
Concen: 19.579 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.3	114.5
121	31.2	24.6	36.8





#39

Methylvlcyclohexane

Concen: 19.465 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 83 Resp: 142142

Ion Ratio Lower Upper

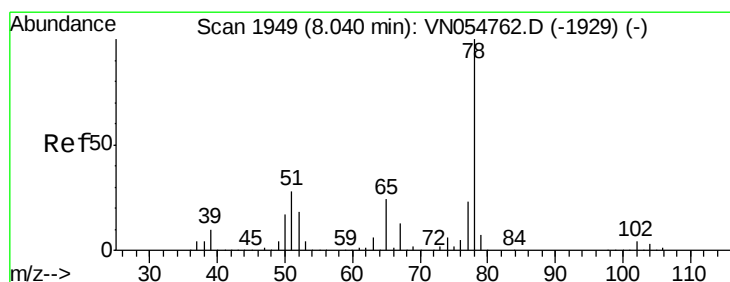
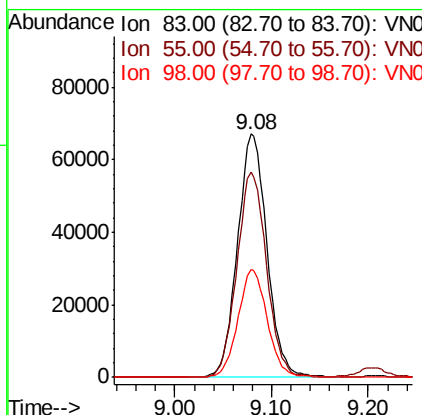
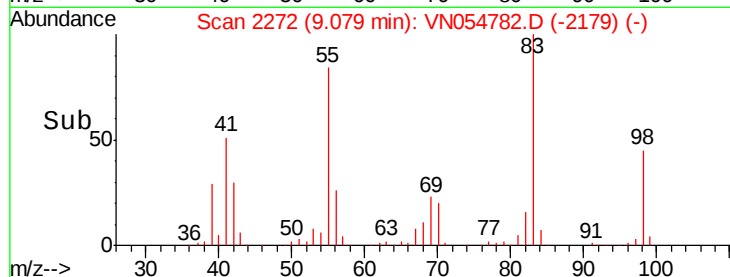
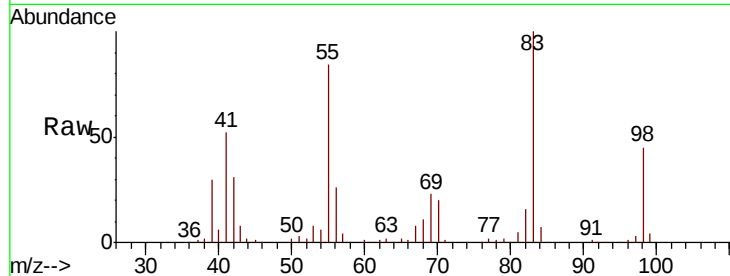
83 100

55 84.2 56.6 84.8

98 44.5 38.4 57.6

Manual Integrations
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#40

Benzene

Concen: 21.129 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054782.D

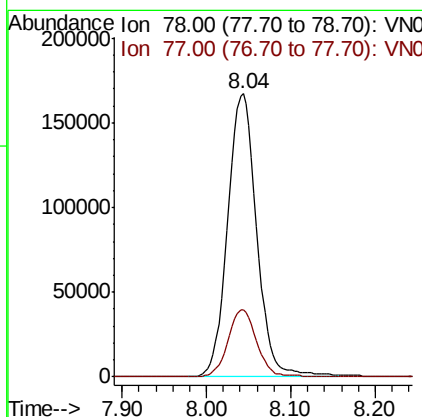
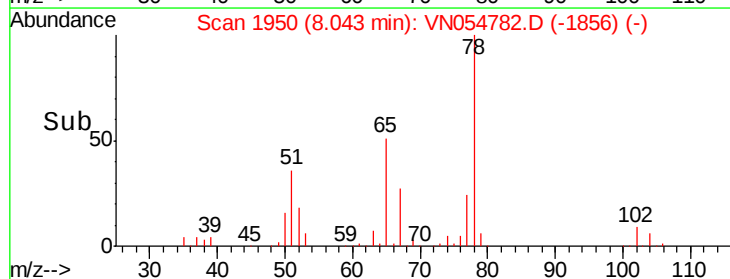
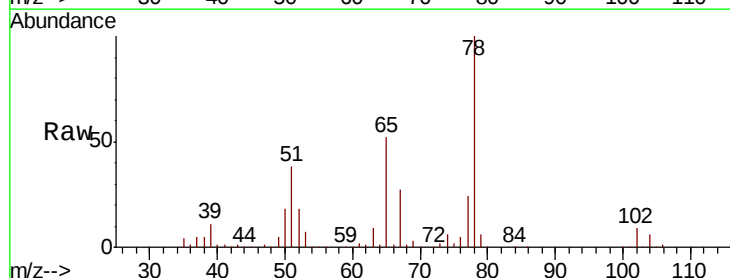
Acq: 29 Mar 2019 20:38

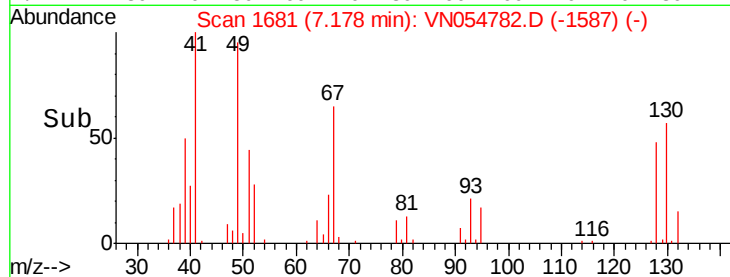
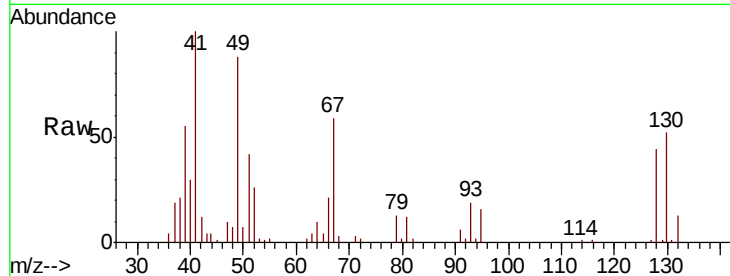
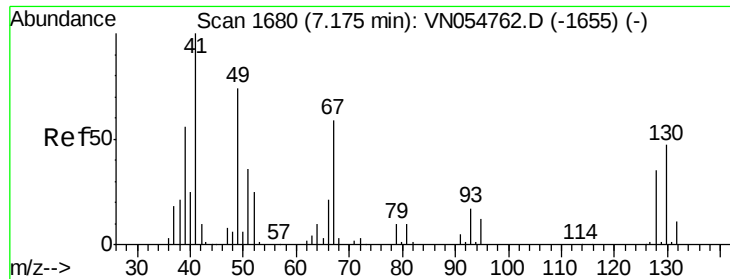
Tgt Ion: 78 Resp: 401568

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7





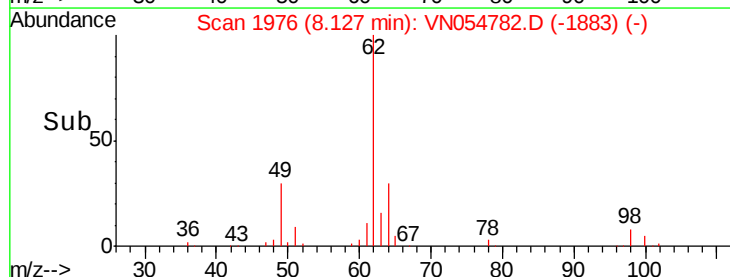
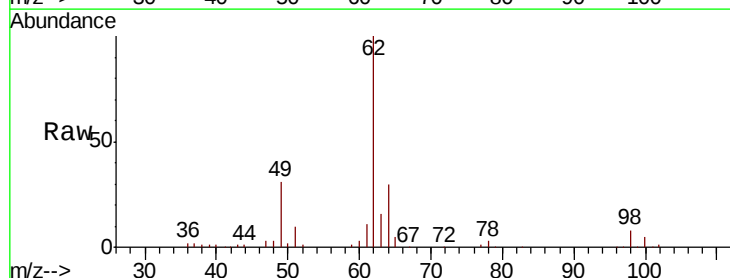
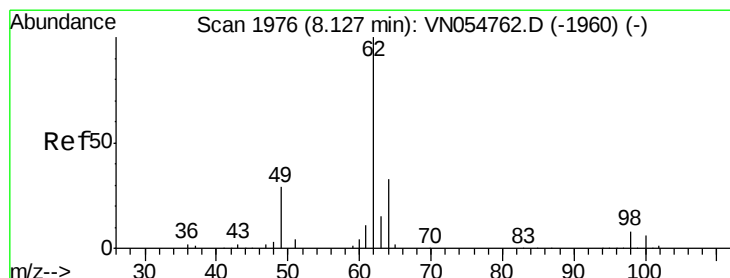
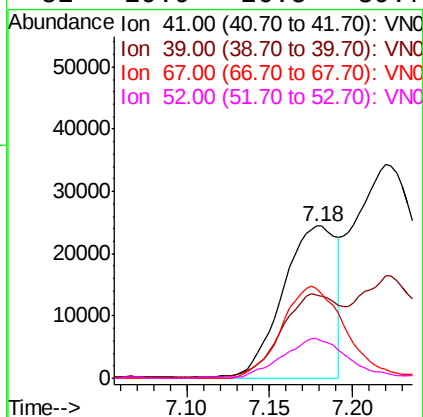
#41
Methacrylonitrile
Concen: 20.242 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tot Ion	41	Resp	55386
Ion Ratio	Lower	Upper	
41	100		
39	58.3	46.8	70.2
67	73.0	67.0	100.4
52	29.9	26.5	39.7

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

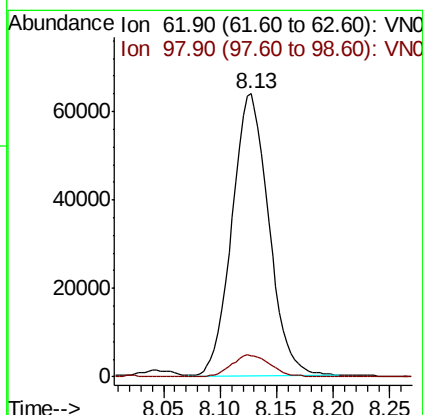
Manual Integrations
APPROVED

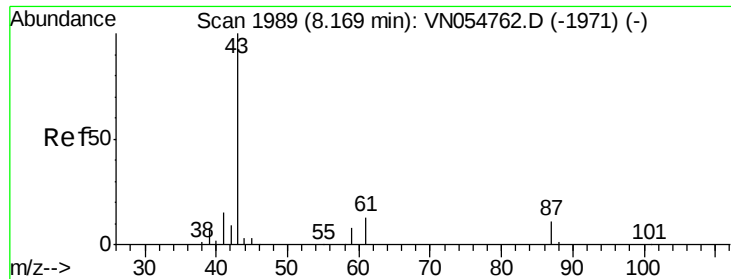
MMDadoda
4/1/2019 3:59:03 PM



#42
1,2-Dichloroethane
Concen: 21.330 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	62	Resp	144751
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	18.4





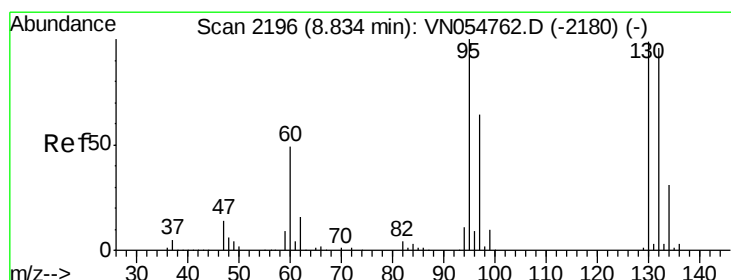
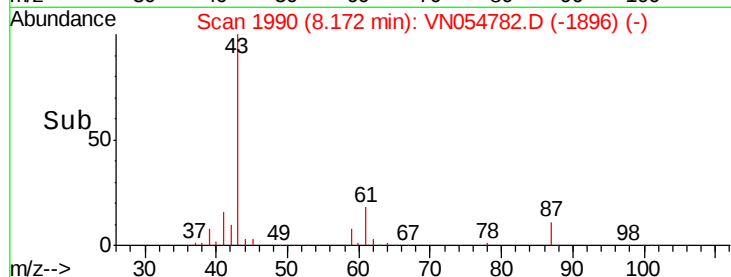
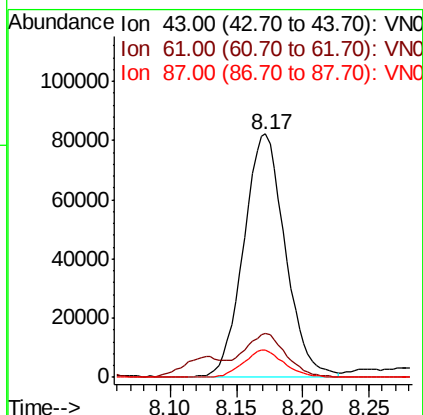
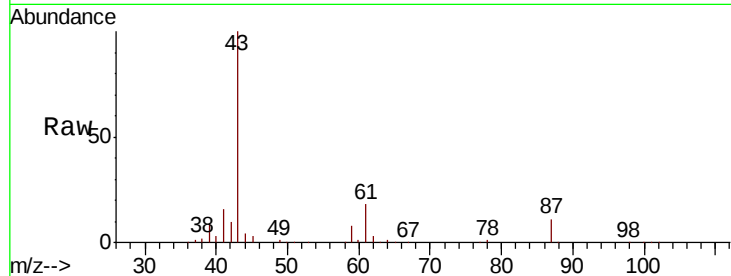
#43
Isopropyl Acetate
Concen: 22.400 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.1	12.0	18.0

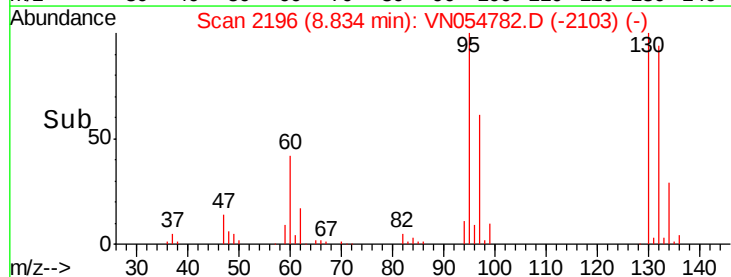
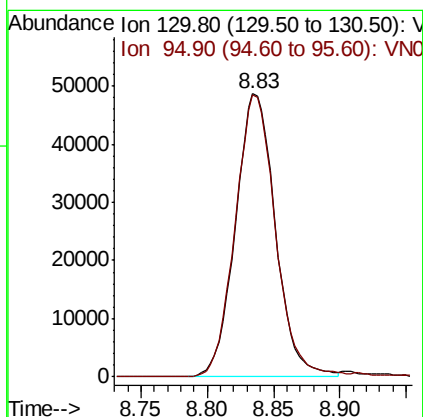
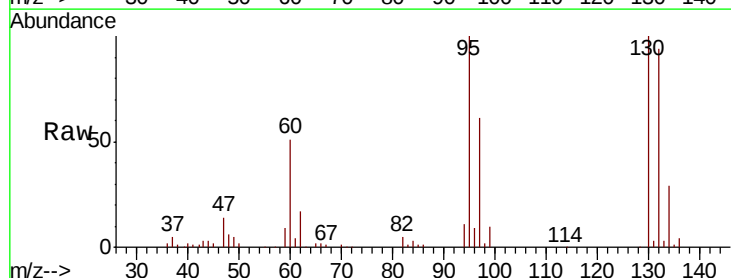
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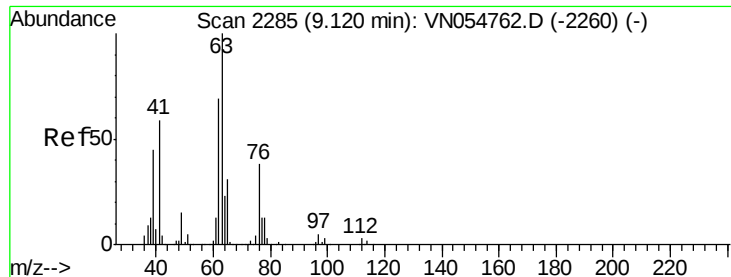
MMDadoda
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#44
Trichloroethene
Concen: 20.629 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.015 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 63 Resp: 113887

Ion Ratio Lower Upper

63 100

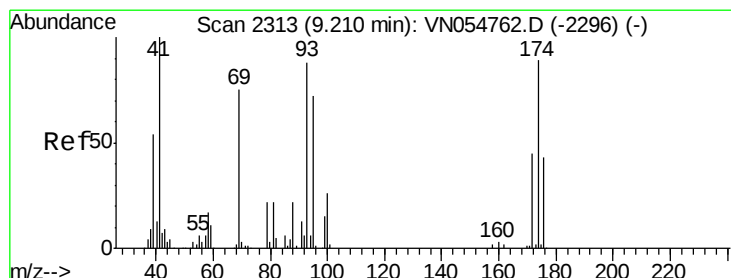
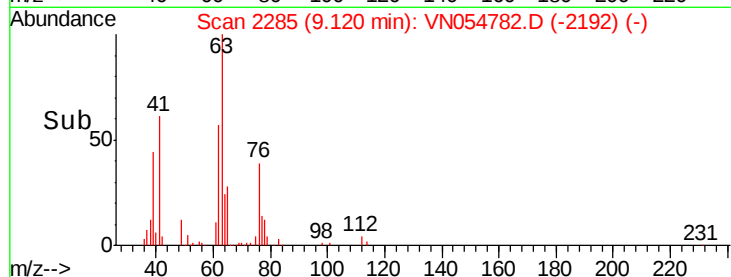
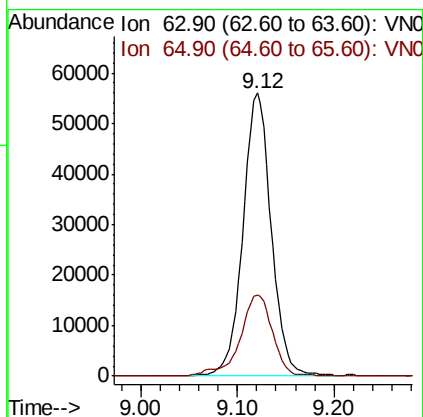
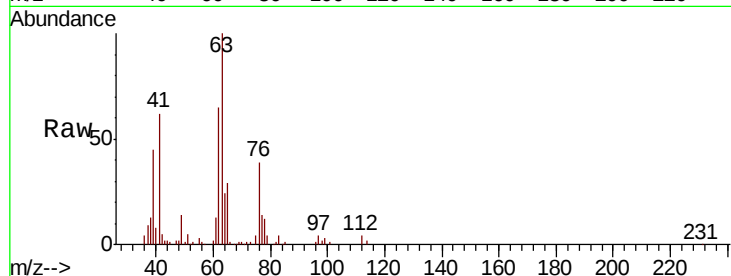
65 28.9 25.0 37.6

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#46

Dibromomethane

Concen: 21.498 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

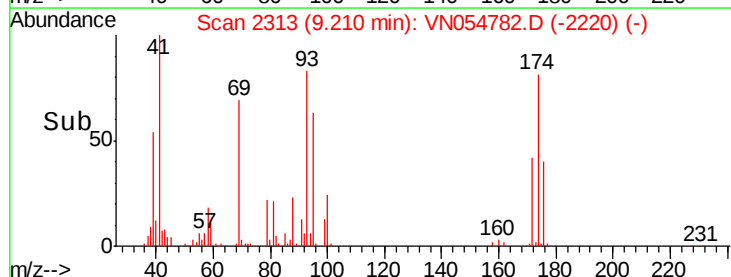
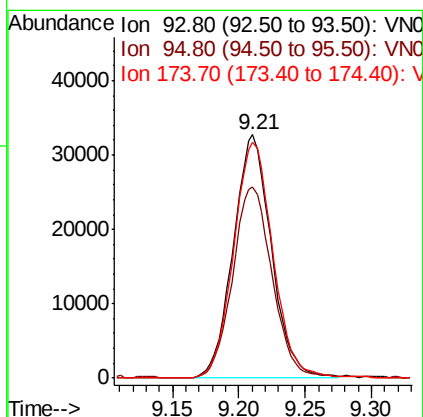
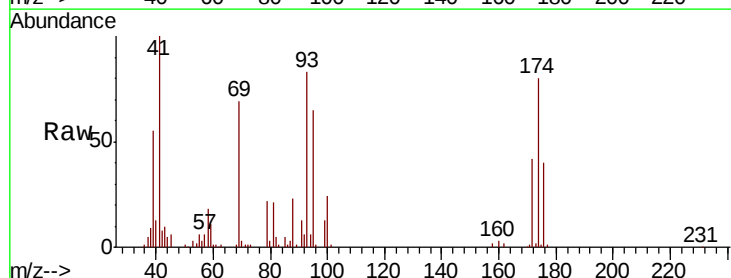
Tgt Ion: 93 Resp: 65538

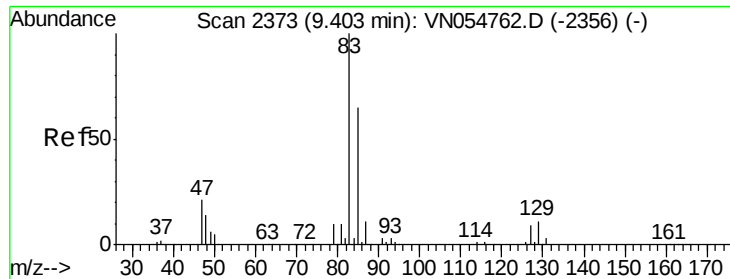
Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 99.3 98.5 147.7





#47

Bromodichloromethane

Concen: 21.012 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

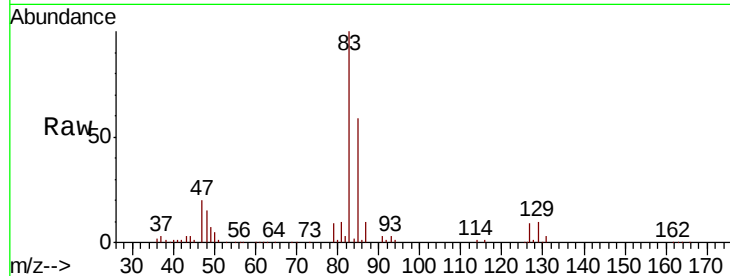
ClientSampleId :

VN0329WBS01

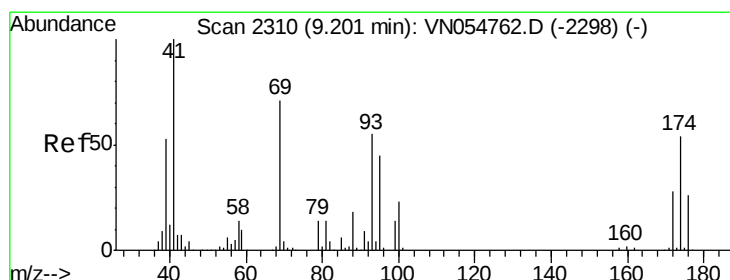
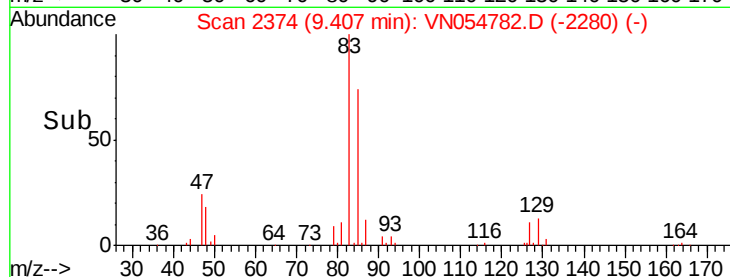
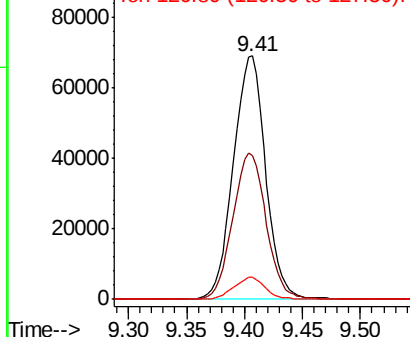
Tot Ion:	83	Resp:	133133
Ion Ratio	Lower	Upper	
83	100		
85	59.1	52.8	79.2
127	9.0	7.4	11.2

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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: 20.525 ug/l

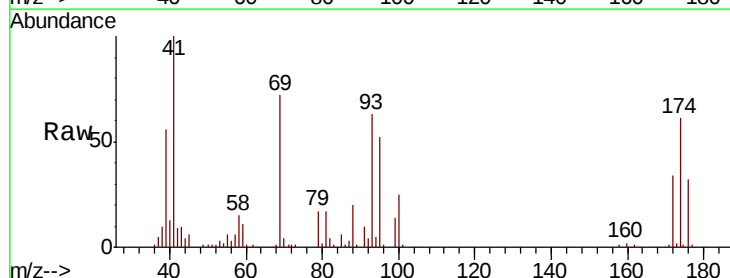
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

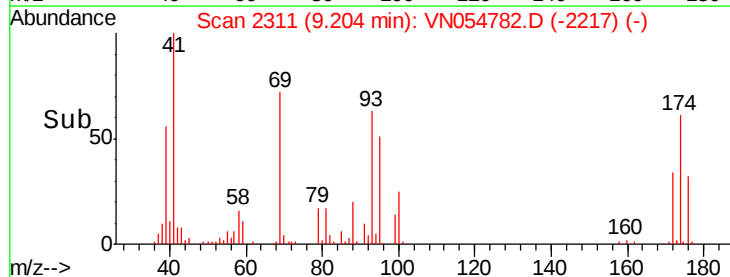
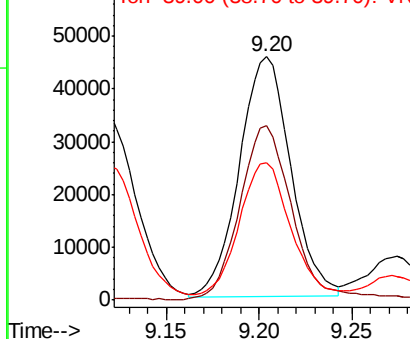
Lab File: VN054782.D

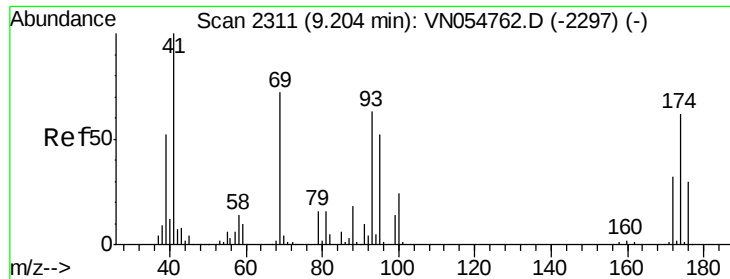
Acq: 29 Mar 2019 20:38

Tgt Ion:	41	Resp:	88057
Ion Ratio	Lower	Upper	
41	100		
69	74.8	72.6	108.8
39	56.9	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





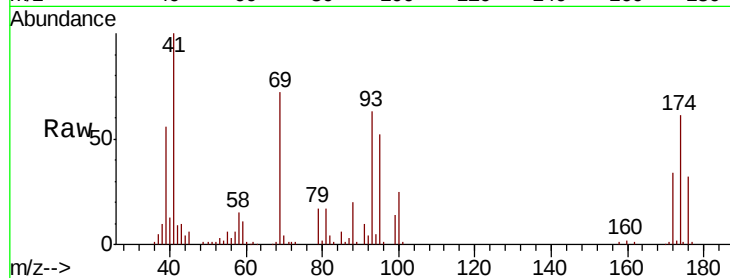
#49
 1,4-Dioxane
 Concen: 489.791 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

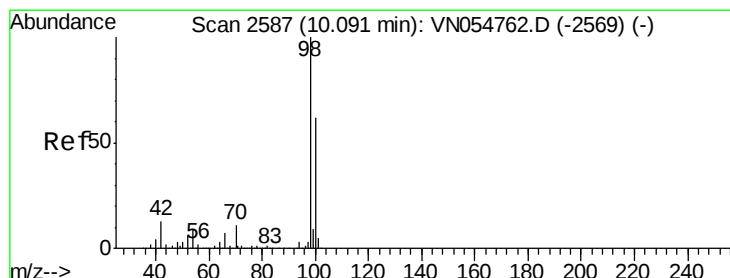
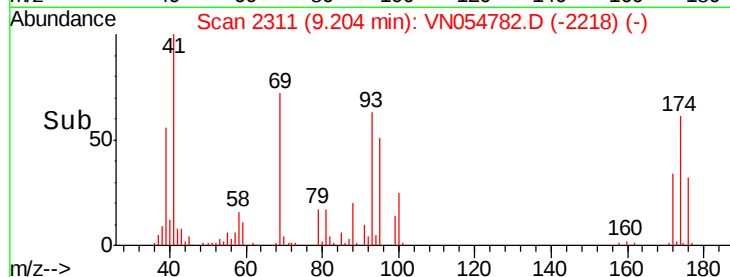
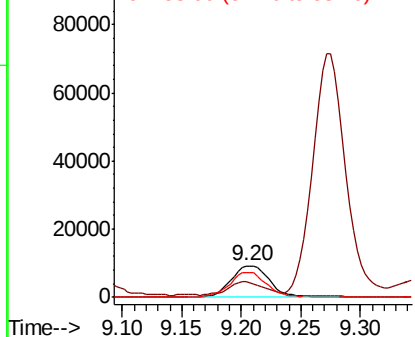
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	24.1	36.1#
58	75.3	50.8	76.2

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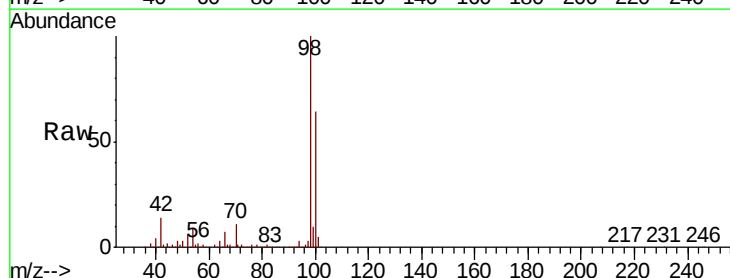


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

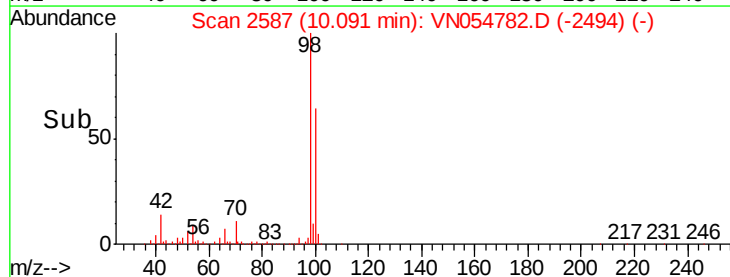
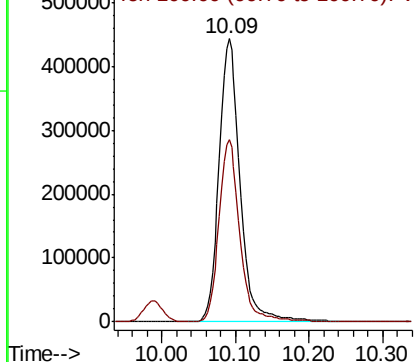


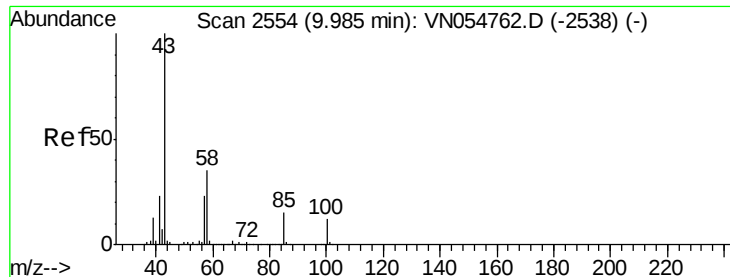
#50
 Toluene-d8
 Concen: 49.779 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 115.295 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 43 Resp: 513036

Ion Ratio Lower Upper

43 100

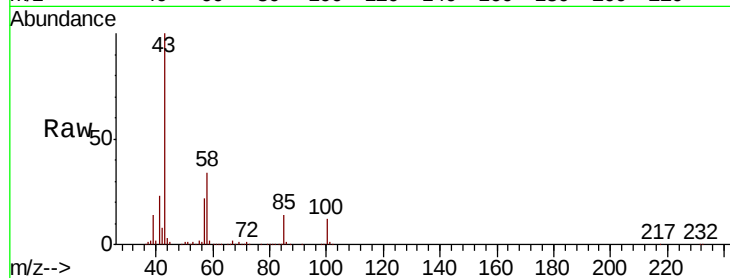
58 34.2 31.8 47.6

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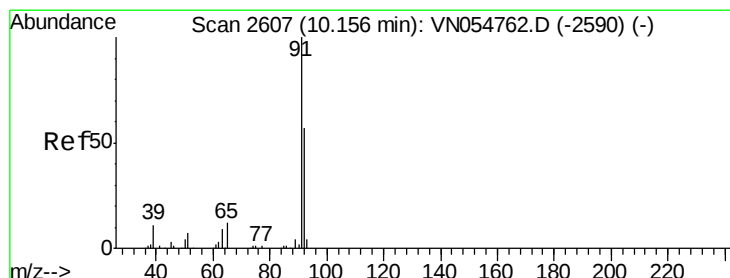
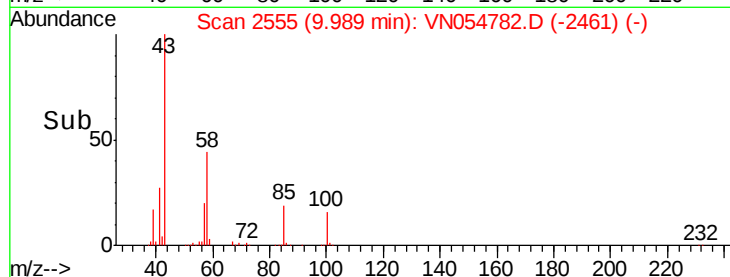
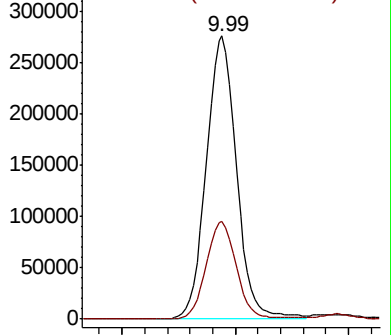
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.994 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054782.D

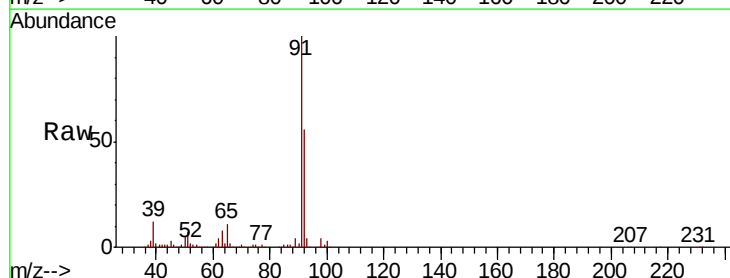
Acq: 29 Mar 2019 20:38

Tgt Ion: 92 Resp: 237432

Ion Ratio Lower Upper

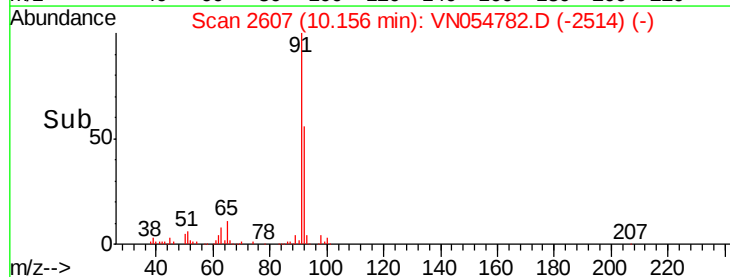
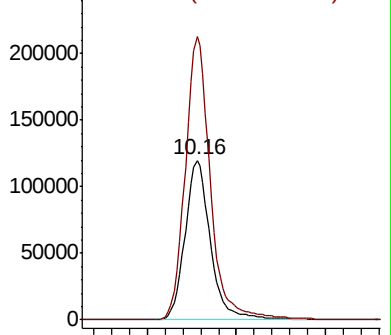
92 100

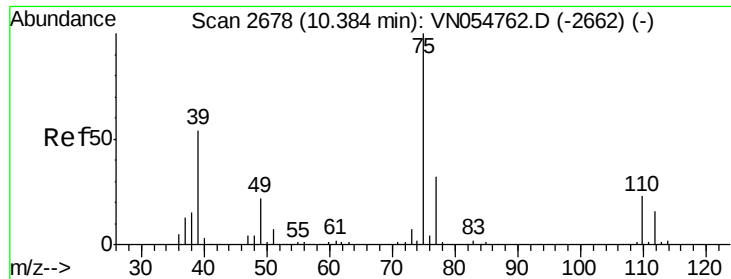
91 174.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





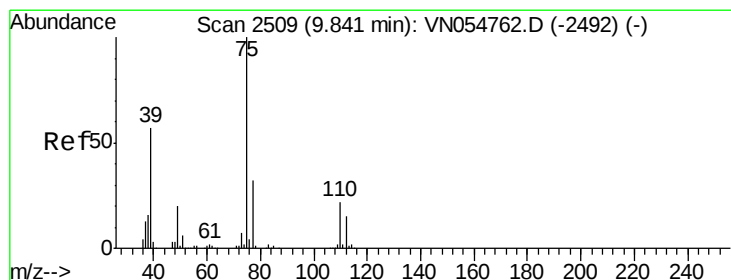
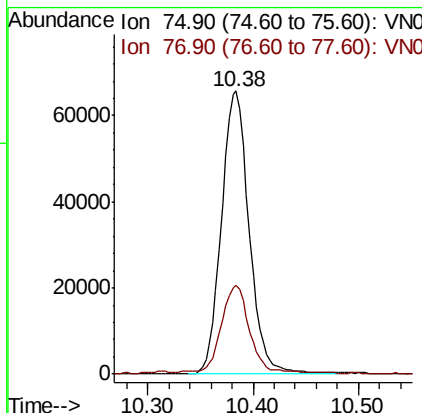
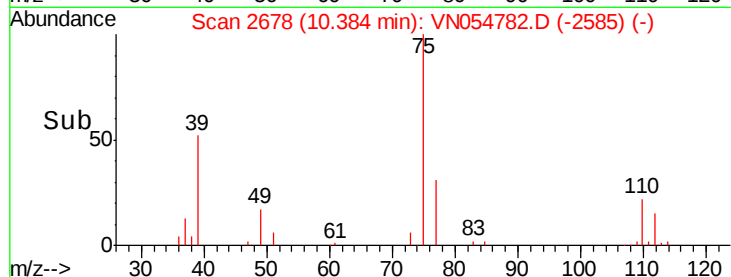
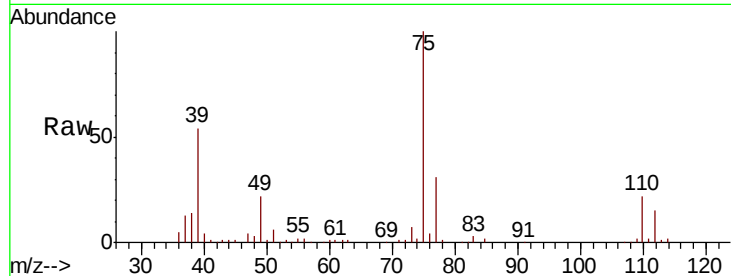
#53
t-1,3-Dichloropropene
Concen: 20.056 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion: 75 Resp: 119535
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8

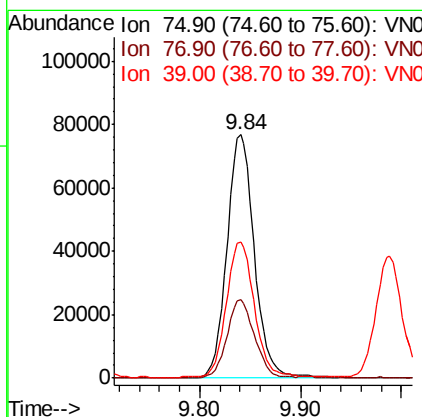
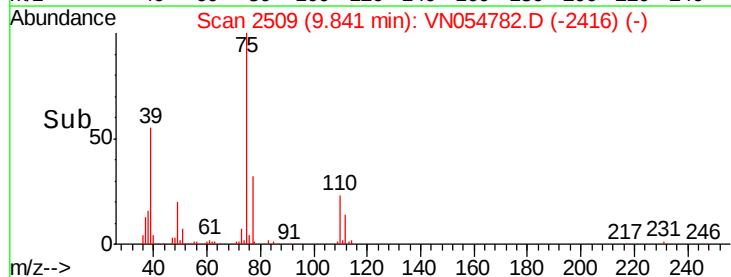
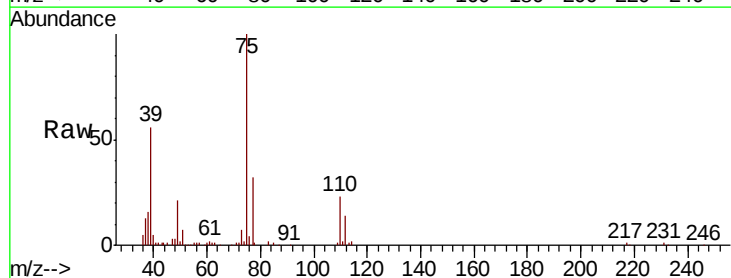
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#54
cis-1,3-Dichloropropene
Concen: 20.475 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 75 Resp: 145772
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
39 55.1 37.2 55.8





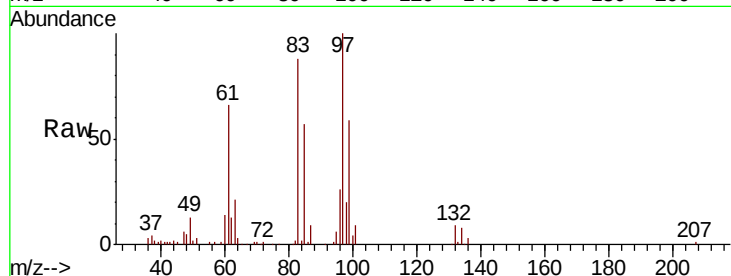
#55
 1,1,2-Trichloroethane
 Concen: 21.125 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

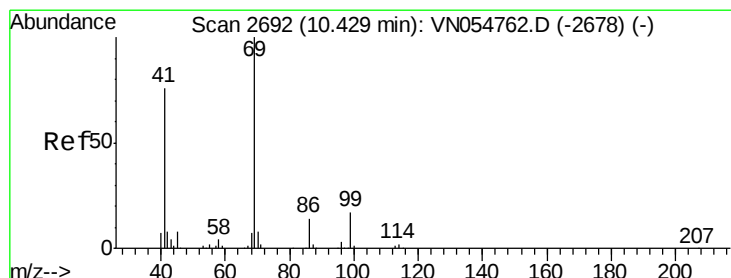
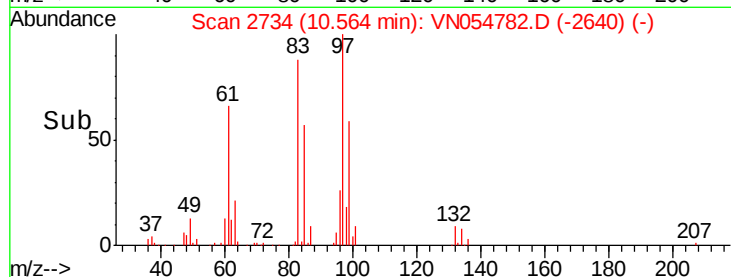
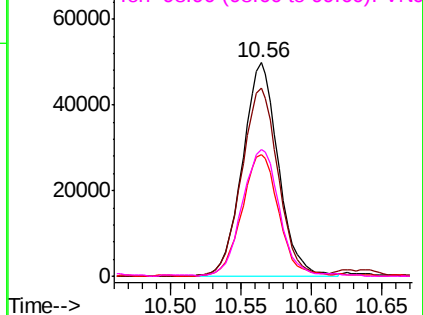
Tot Ion	97	Resp	88835
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	56.9	44.4	66.6
99	58.6	50.8	76.2

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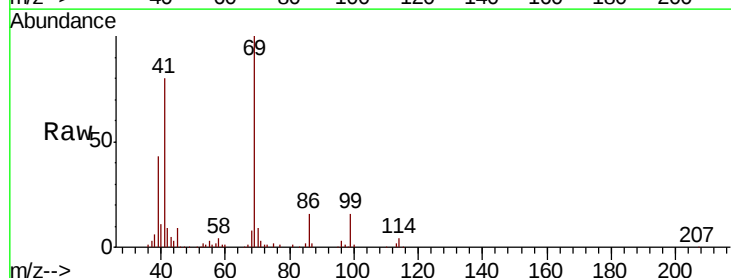


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

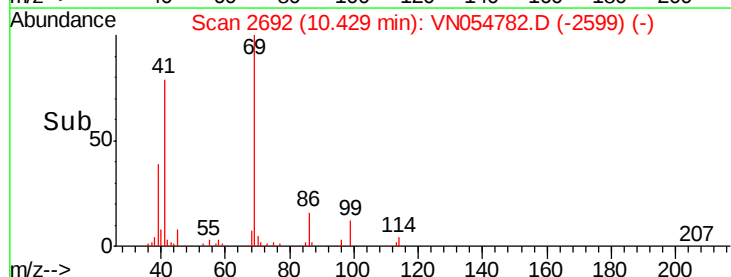
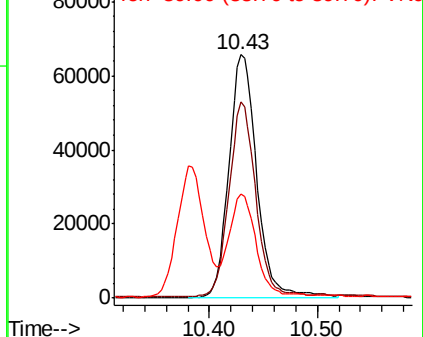


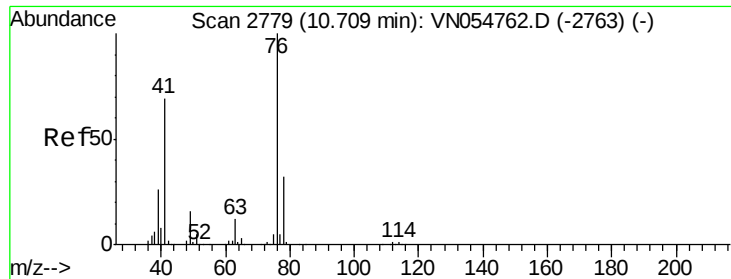
#56
 Ethyl methacrylate
 Concen: 21.423 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	69	Resp	118177
Ion	Ratio	Lower	Upper
69	100		
41	76.0	49.4	74.2#
39	41.0	28.3	42.5



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





#57

1,3-Dichloropropane

Concen: 21.886 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

VN0329WBS01

Tot Ion: 76 Resp: 158231

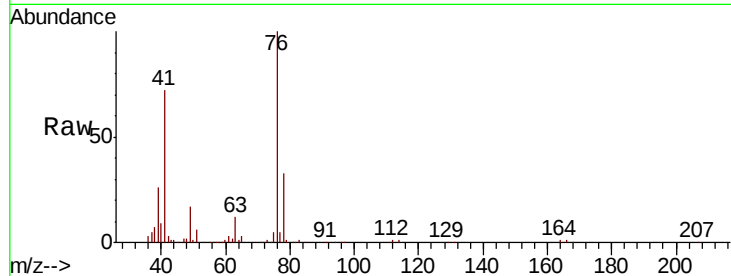
Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5

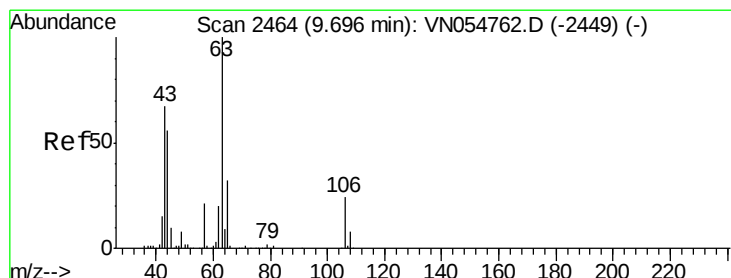
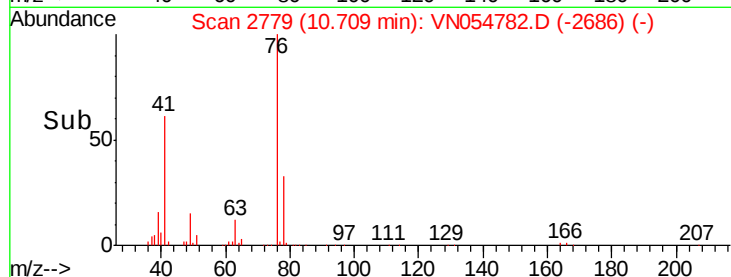
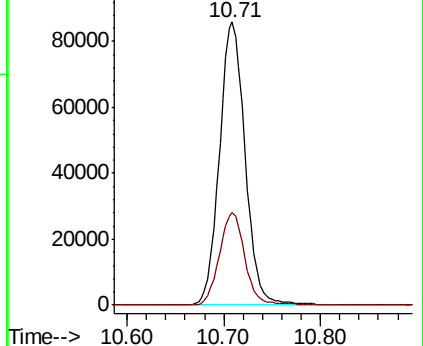
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.248 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054782.D

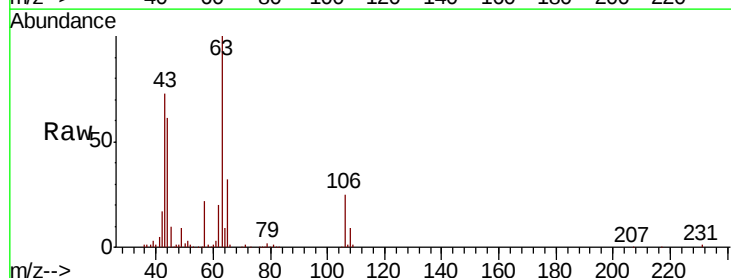
Acq: 29 Mar 2019 20:38

Tgt Ion: 63 Resp: 222838

Ion Ratio Lower Upper

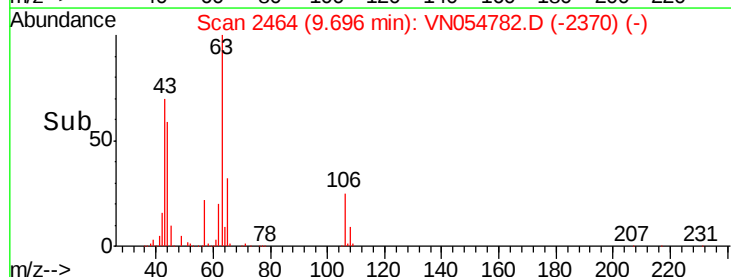
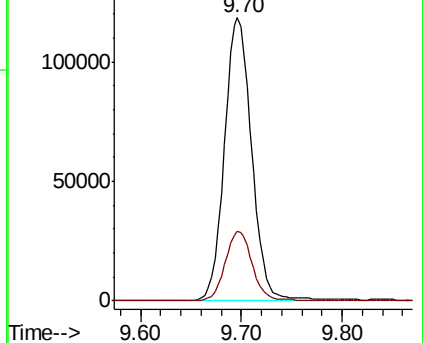
63 100

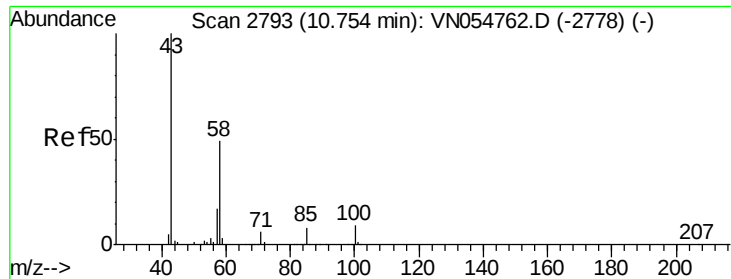
106 24.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





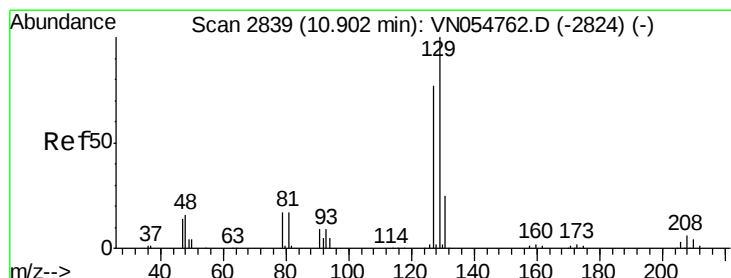
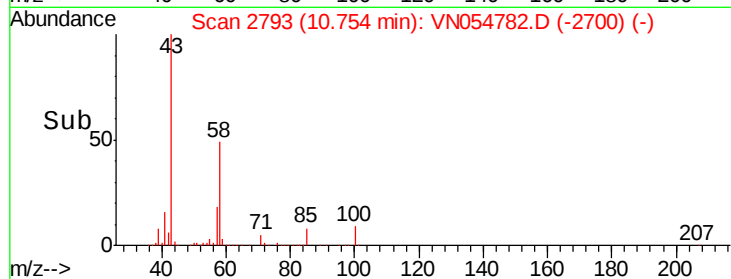
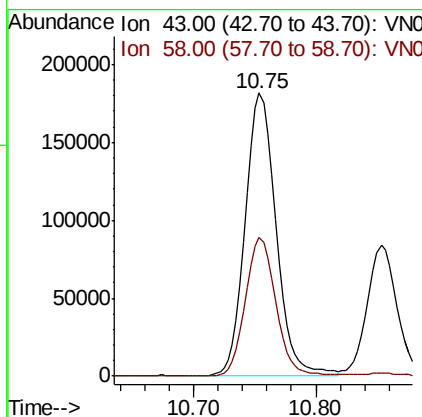
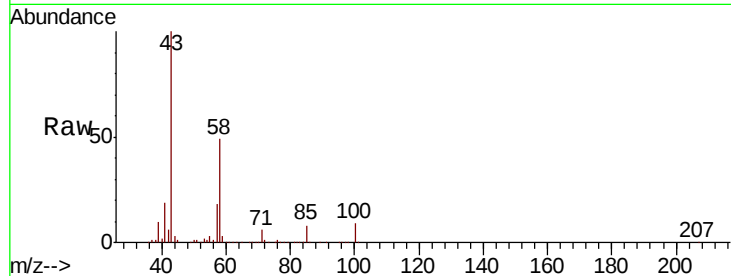
#59
2-Hexanone
Concen: 110.578 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	43	Resp	314988
Ion Ratio	43	100	
Lower	58	48.4	28.0
Upper			83.9

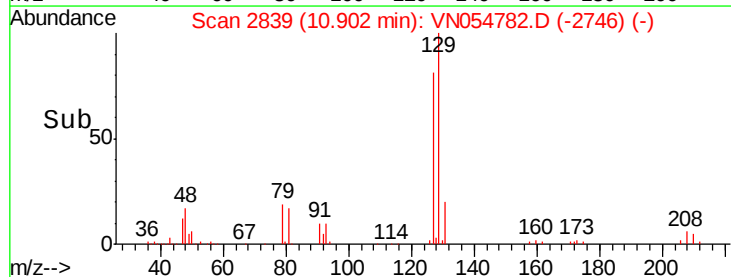
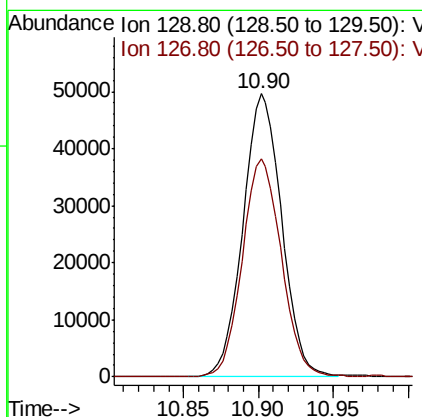
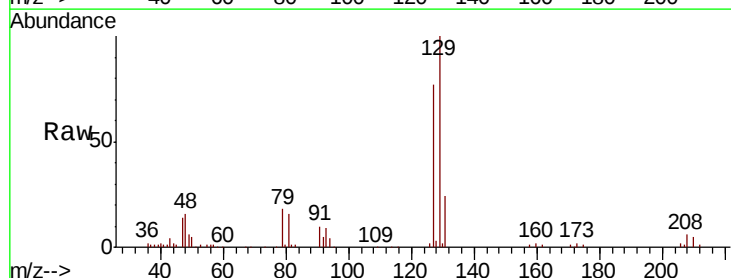
Manual Integrations
APPROVED

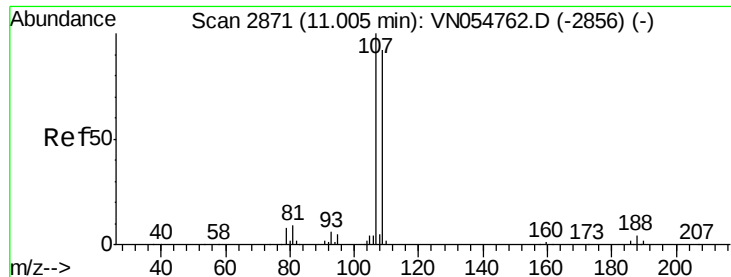
MMDadoda
4/1/2019 3:59:03 PM



#60
Dibromochloromethane
Concen: 21.018 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	129	Resp	89531
Ion Ratio	129	100	
Lower	127	77.6	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 21.302 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

VN0329WBS01

Tot Ion: 107 Resp: 85606

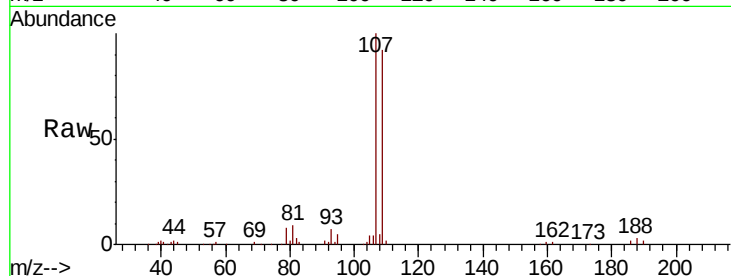
Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:03 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

50000

40000

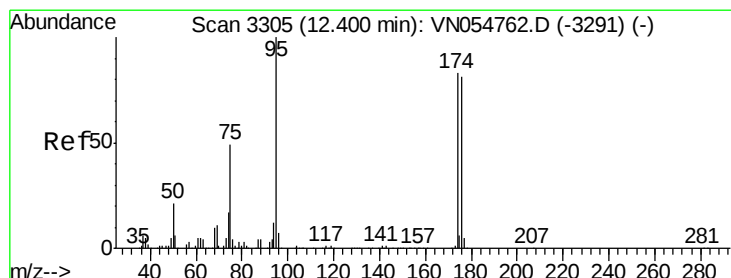
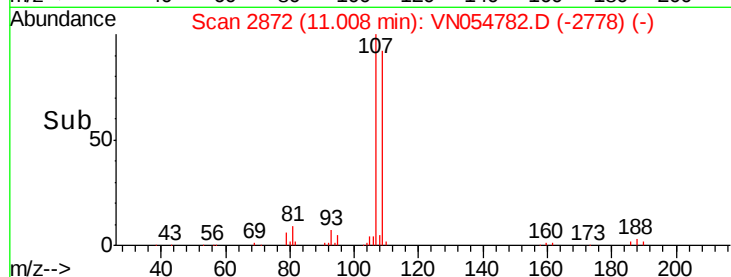
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.646 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

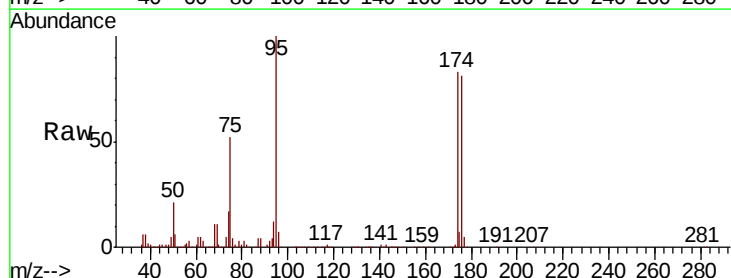
Tgt Ion: 95 Resp: 285847

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

176 80.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

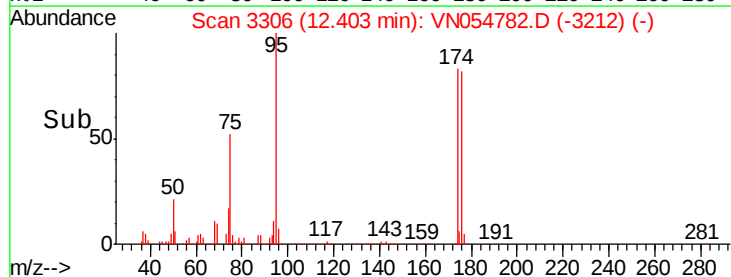
150000

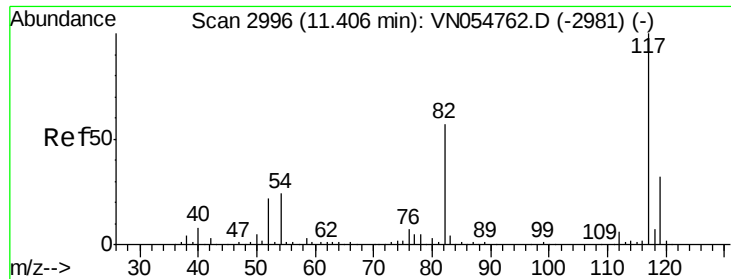
100000

50000

0

Time--> 12.30 12.40 12.50





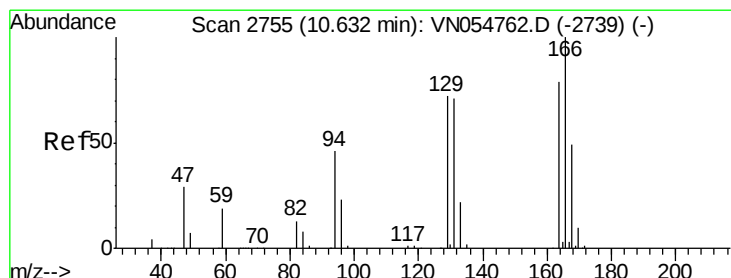
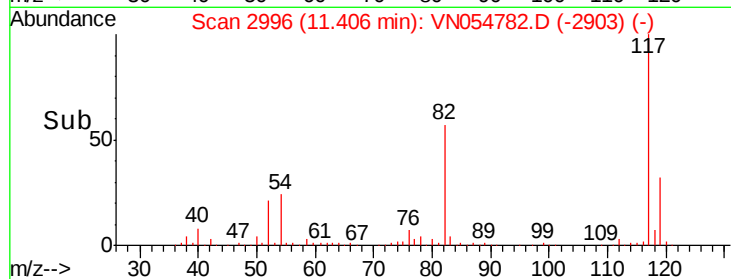
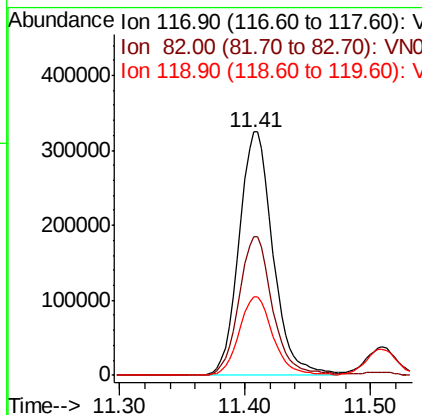
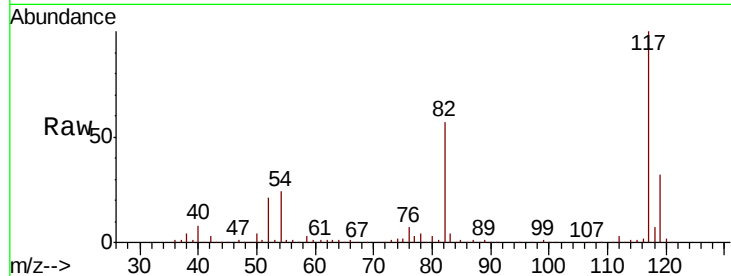
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	40.0	60.0
119	32.4	25.8	38.6

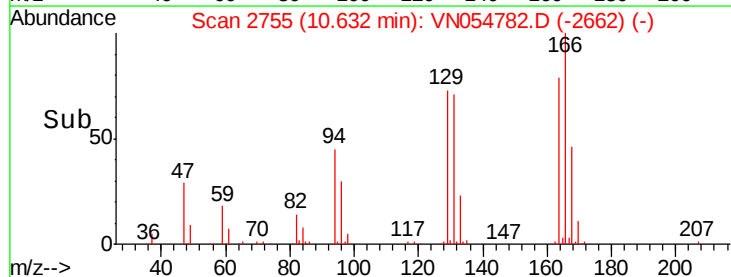
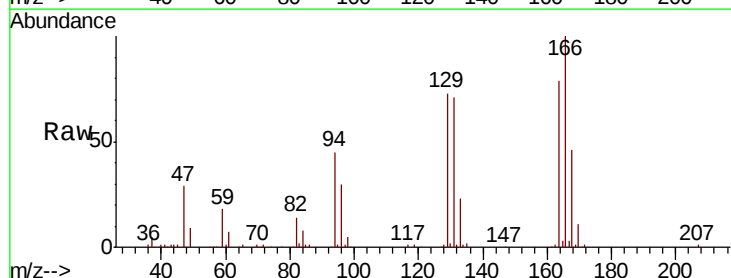
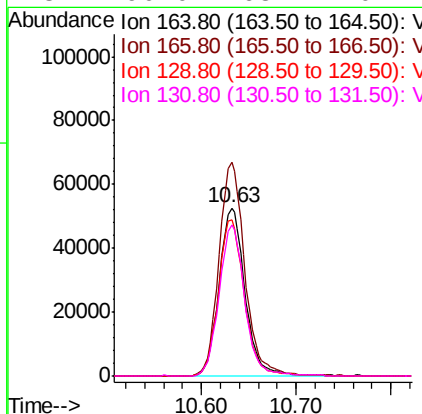
Manual Integrations
APPROVED

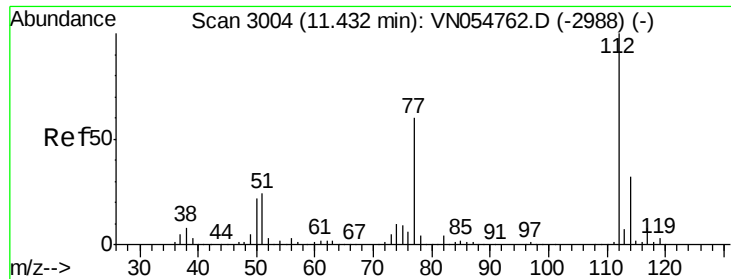
MMDadoda
4/1/2019 3:59:03 PM



#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.9	155.9
129	93.0	71.1	106.7
131	90.0	68.2	102.4





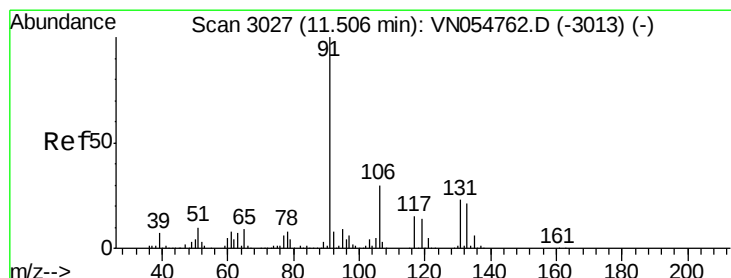
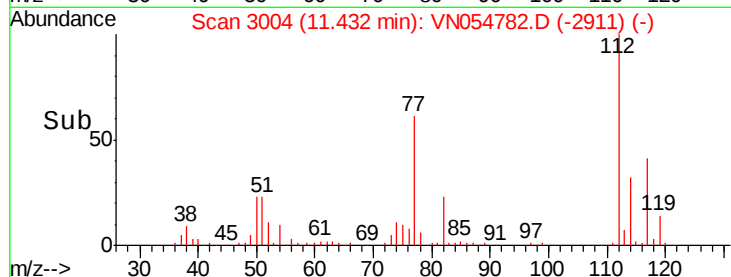
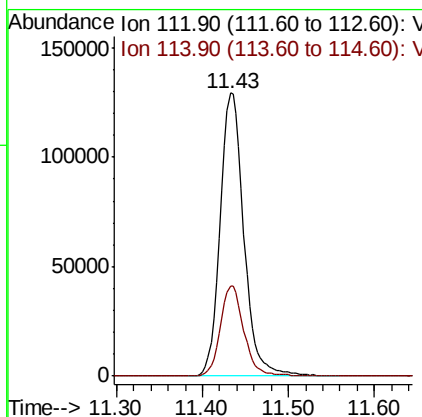
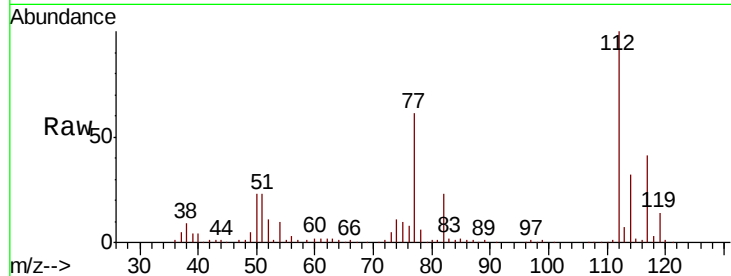
#65
Chlorobenzene
Concen: 20.752 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :
VN0329WBS01

Tot Ion:112 Resp: 248353
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

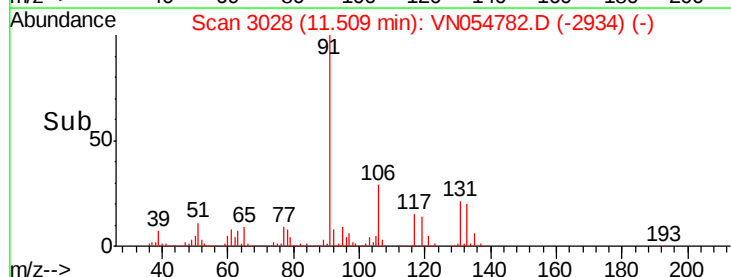
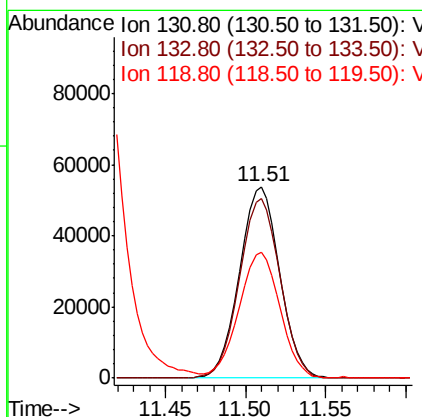
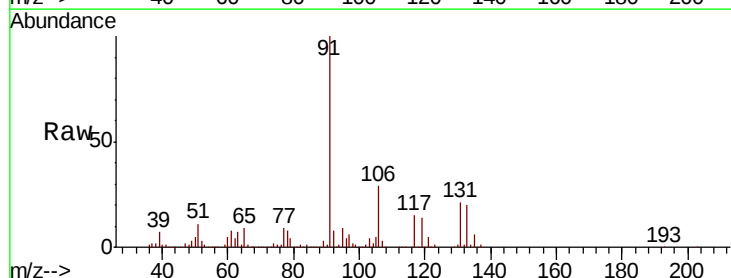
Manual Integrations
APPROVED

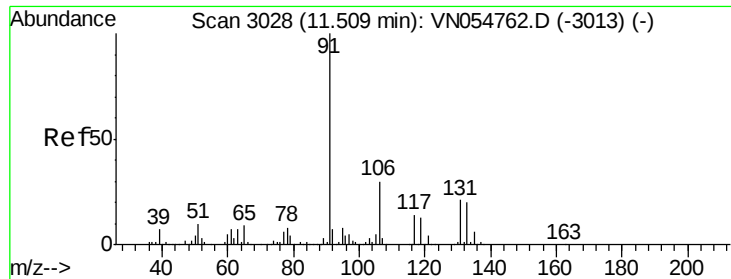
MMDadoda
4/1/2019 3:59:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.550 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:131 Resp: 92055
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.5 32.4 97.0





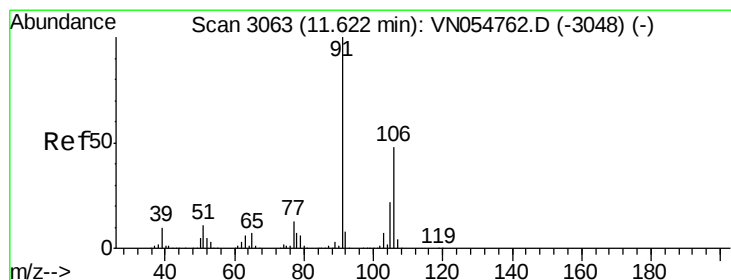
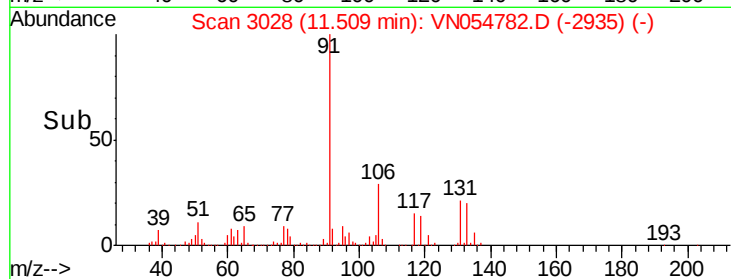
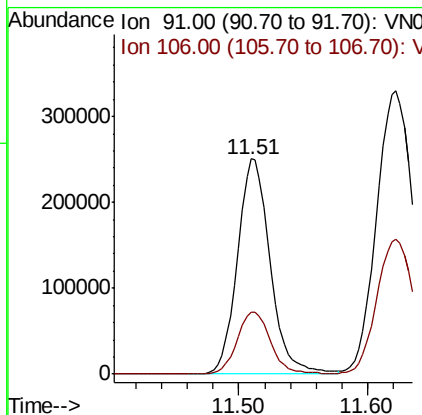
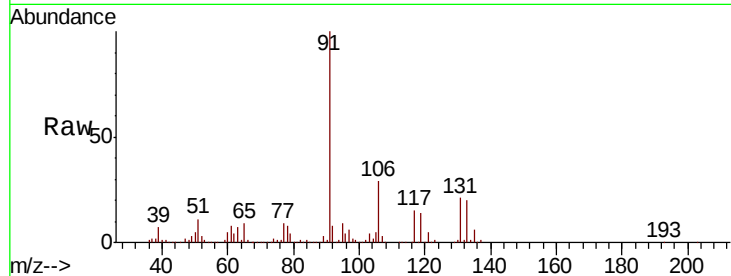
#67
Ethyl Benzene
Concen: 20.497 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion: 91 Resp: 442668
Ion Ratio Lower Upper
91 100
106 28.9 25.5 38.3

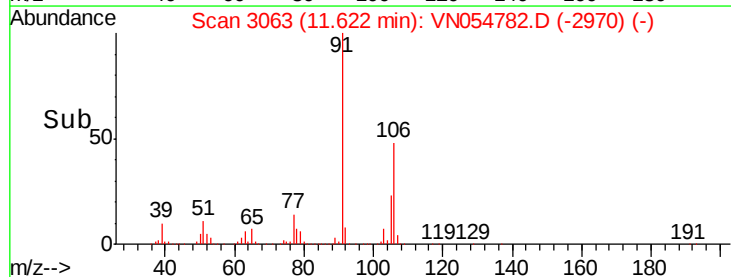
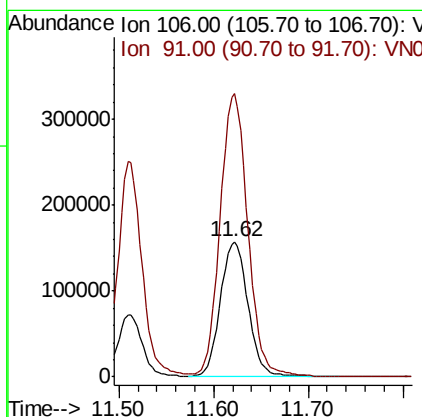
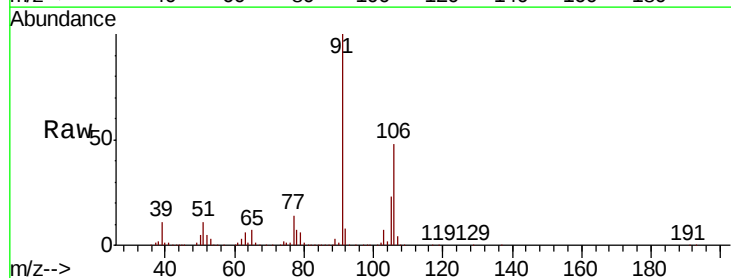
Manual Integrations
APPROVED

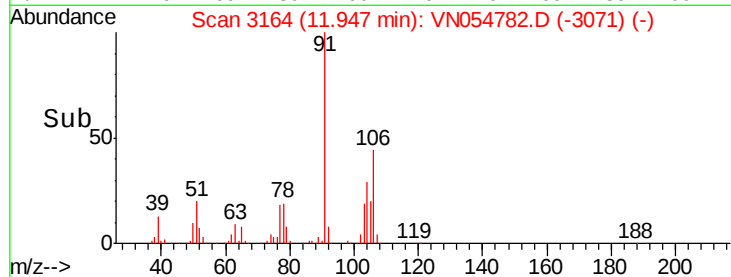
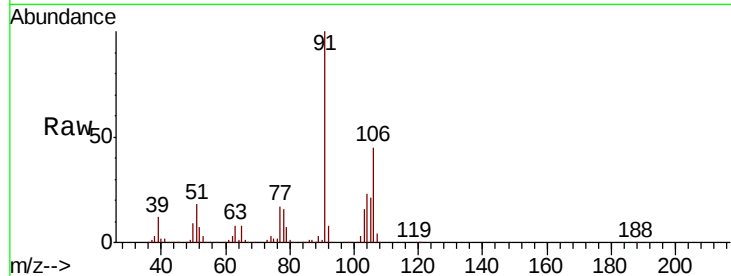
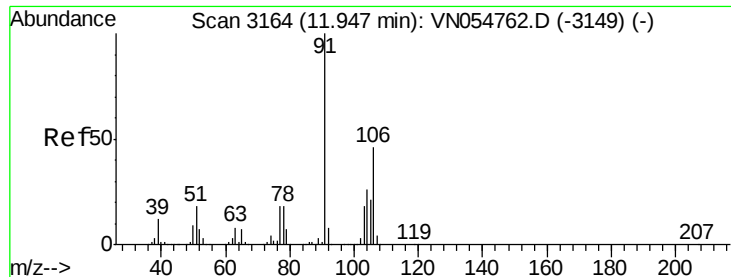
MMDadoda
4/1/2019 3:59:03 PM



#68
m/p-Xylenes
Concen: 40.306 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 106 Resp: 322126
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2





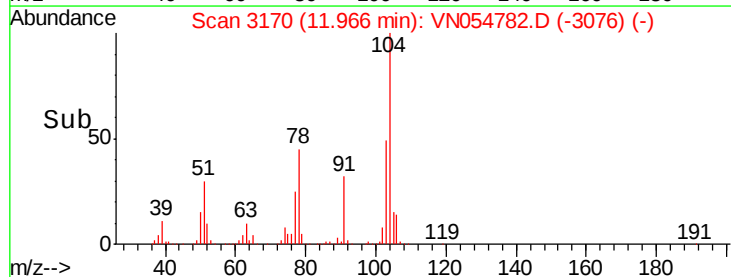
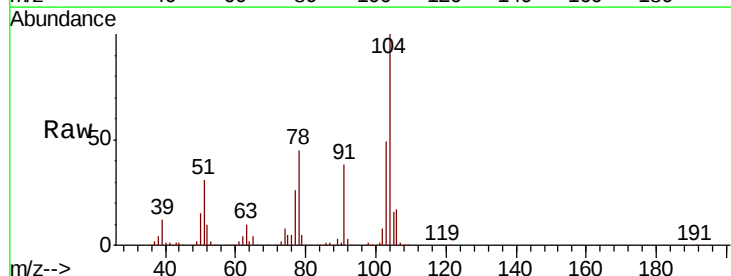
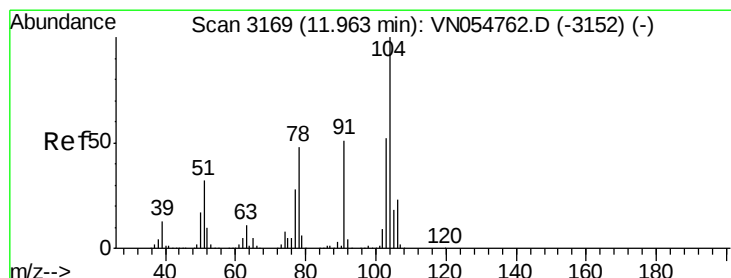
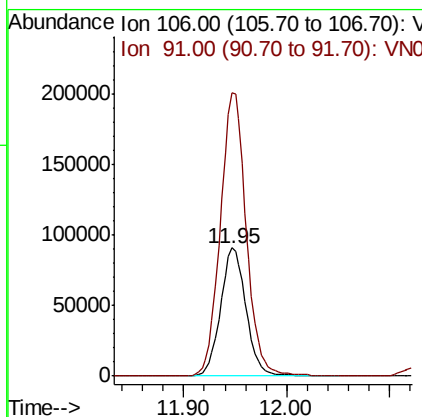
#69
o-Xylene
Concen: 19.991 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :
VN0329WBS01

Tot Ion:106 Resp: 156666
Ion Ratio Lower Upper
106 100
91 224.7 105.7 317.1

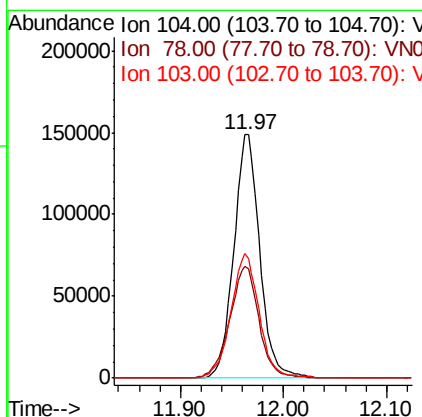
Manual Integrations
APPROVED

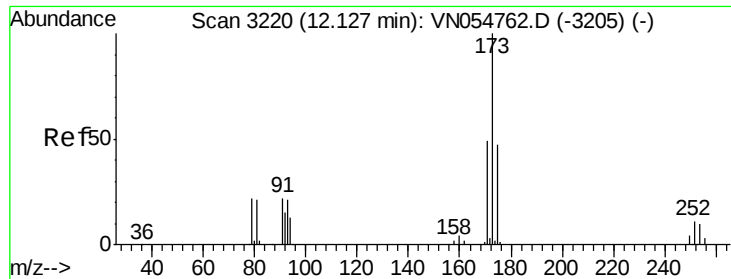
MMDadoda
4/1/2019 3:59:03 PM



#70
Styrene
Concen: 20.813 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:104 Resp: 260799
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 20.293 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

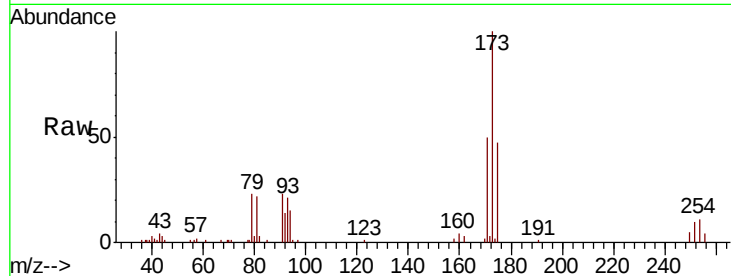
ClientSampleId :

VN0329WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:03 PM

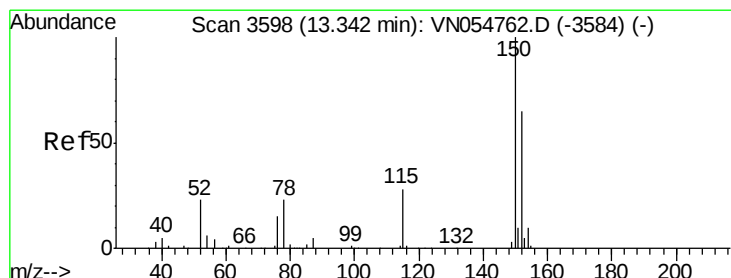
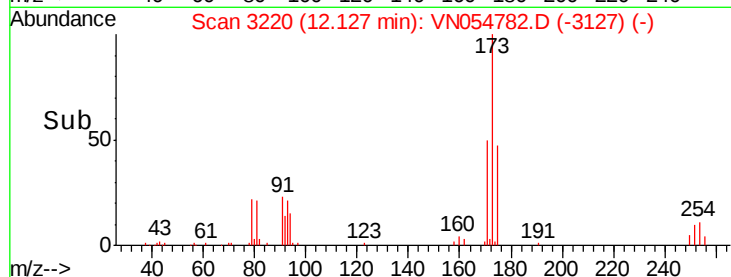
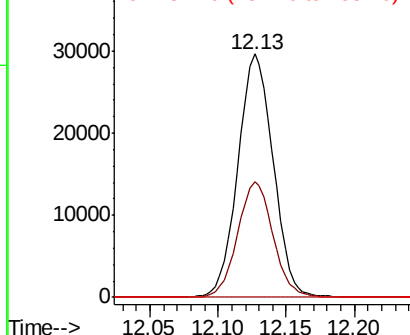


Abundance

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

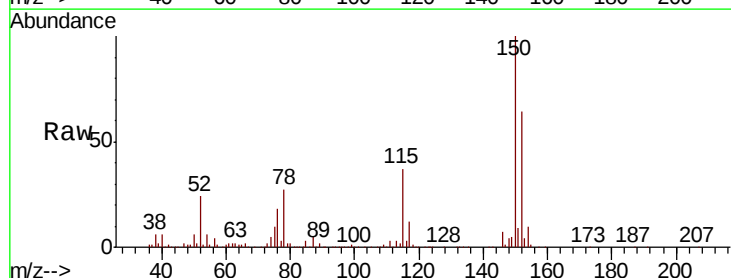
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	163.3	0.0	349.2

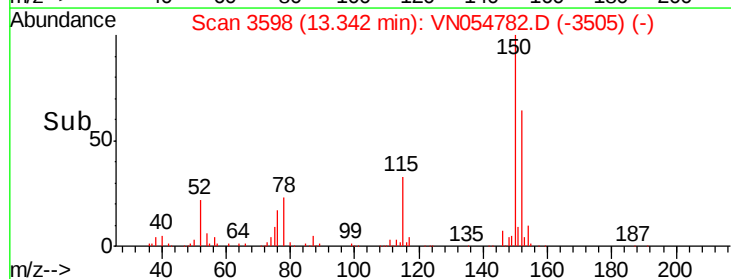
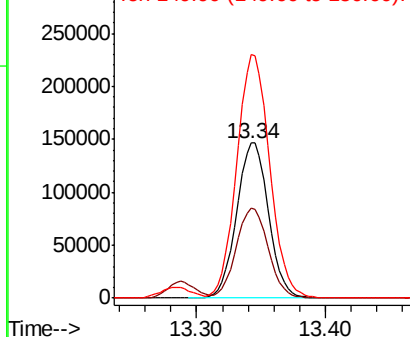


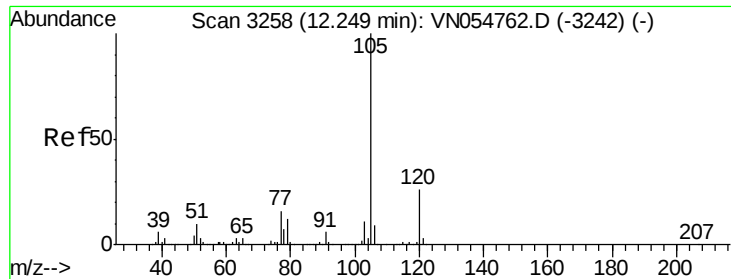
Abundance

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: 20.417 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion:105 Resp: 418897

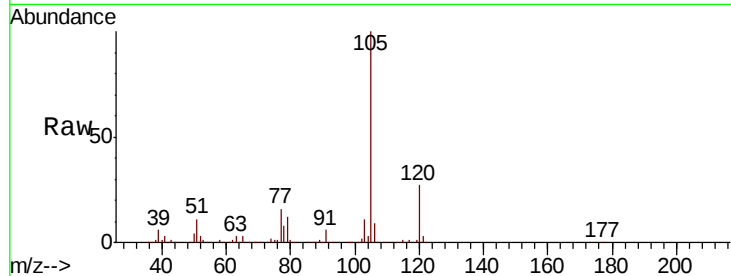
Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3

Manual Integrations
APPROVED

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4/1/2019 3:59:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

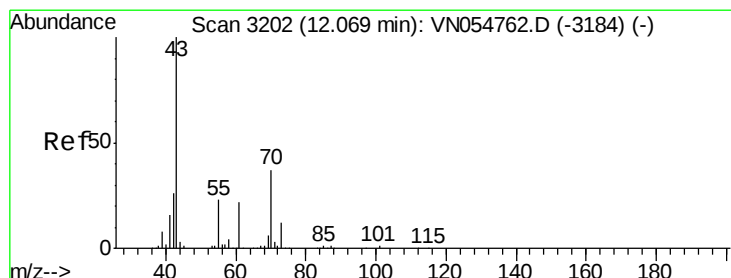
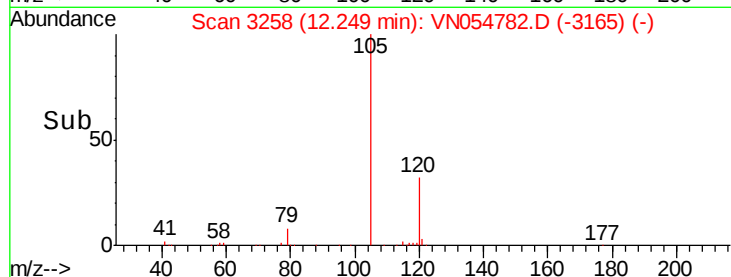
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.489 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion: 43 Resp: 137353

Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.0 19.8 29.6

61 21.3 19.8 29.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

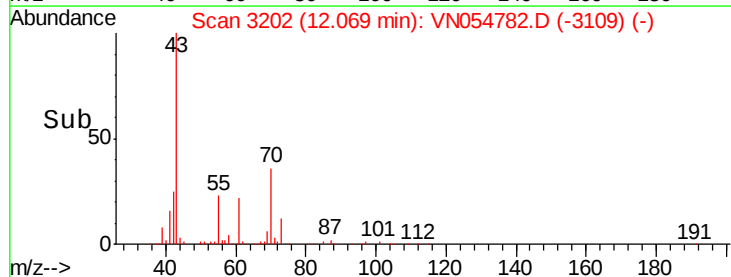
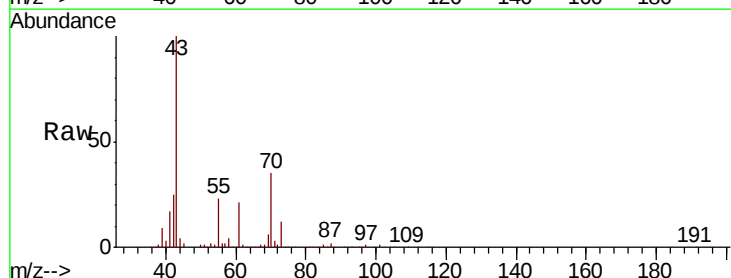
60000

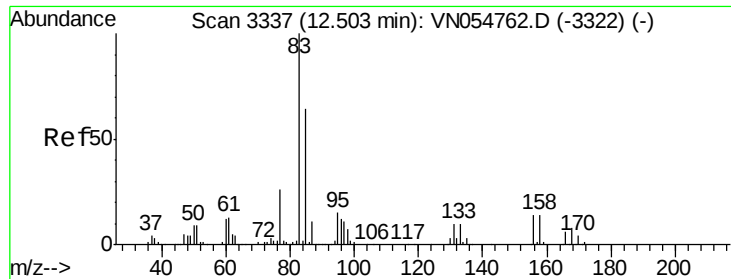
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.062 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

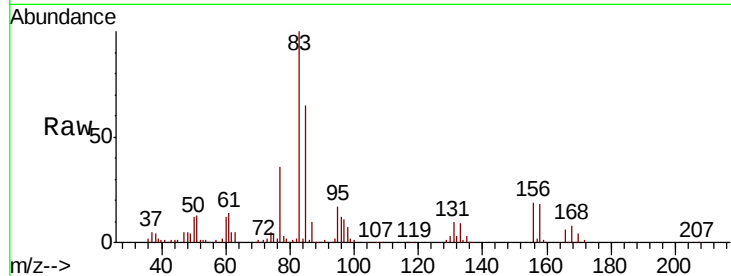
ClientSampleId :

VN0329WBS01

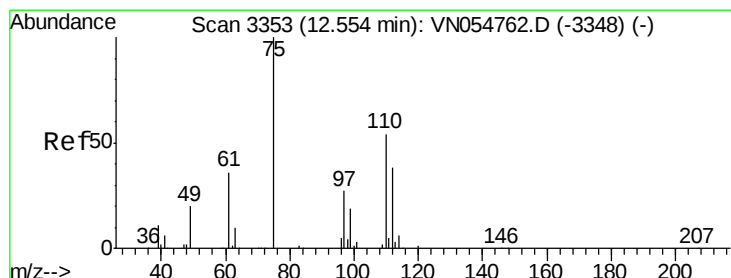
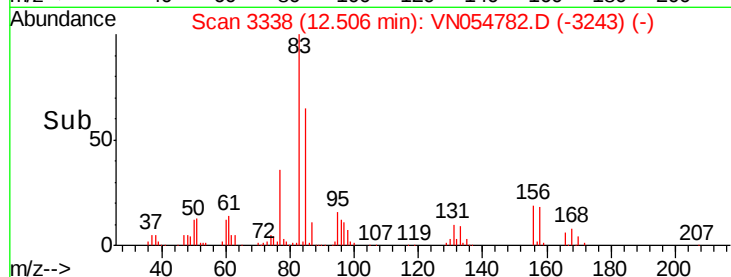
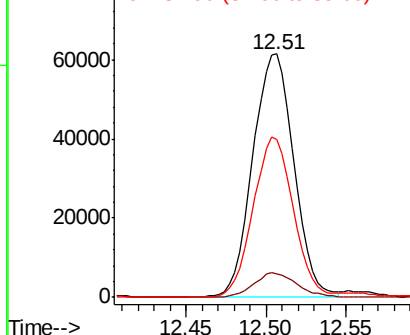
Tot Ion:	83	Resp:	108479
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.8	17.4
85	64.3	32.2	96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 22.922 ug/l m

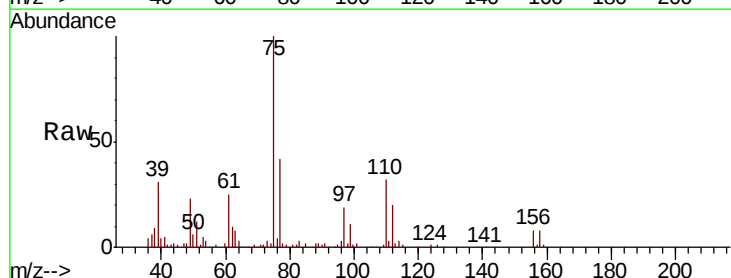
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

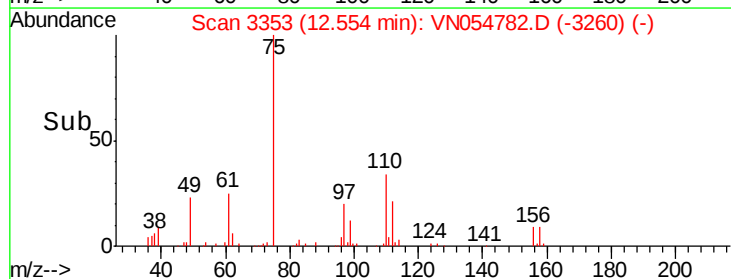
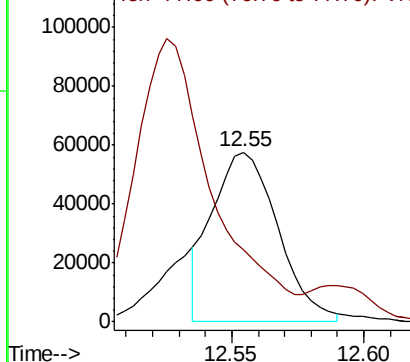
Lab File: VN054782.D

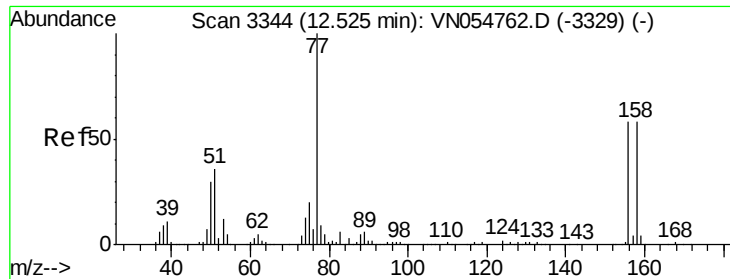
Acq: 29 Mar 2019 20:38

Tgt Ion:	75	Resp:	99955
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





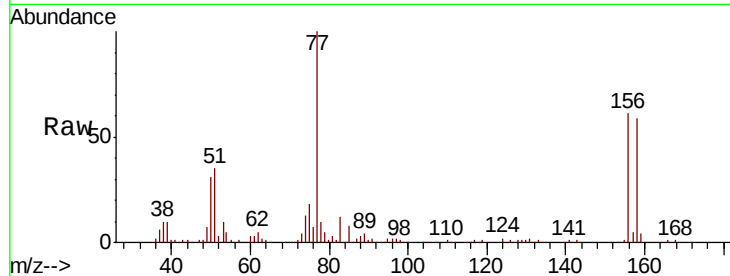
#77
Bromobenzene
Concen: 20.511 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

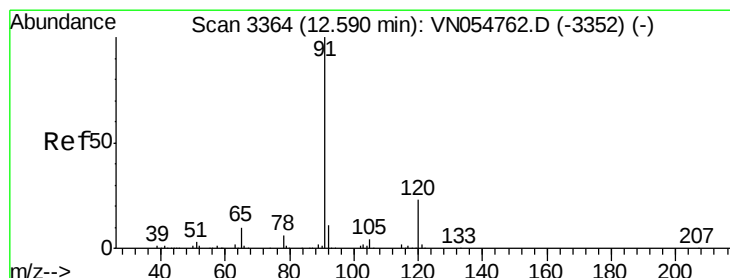
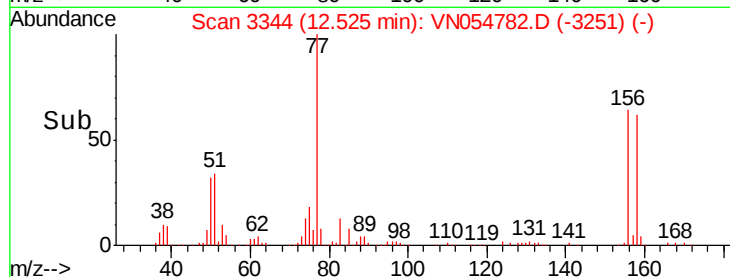
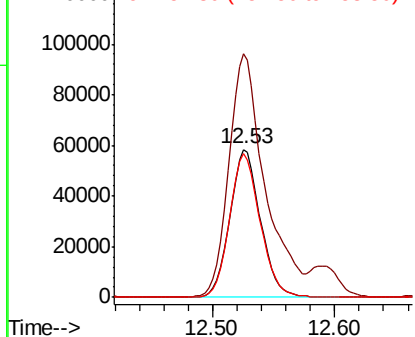
Tot Ion	Ratio	Lower	Upper
156	100		
77	196.1	81.5	244.4
158	97.7	49.0	147.2

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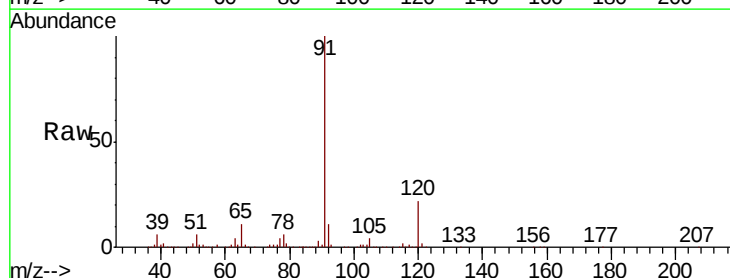


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

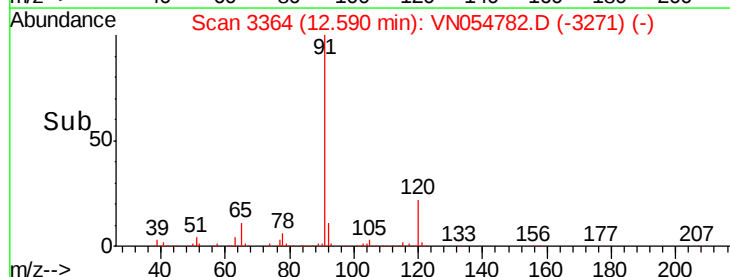
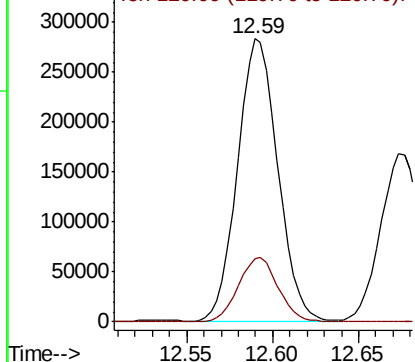


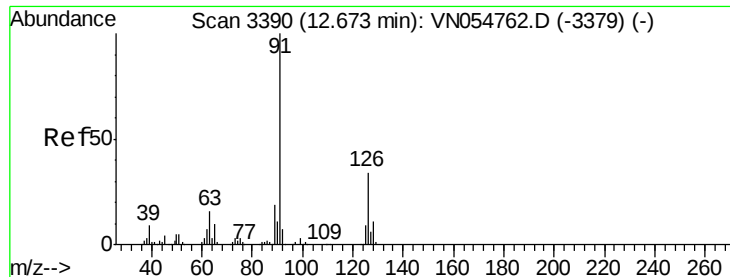
#78
n-propylbenzene
Concen: 20.303 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.252 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 91 Resp: 282534

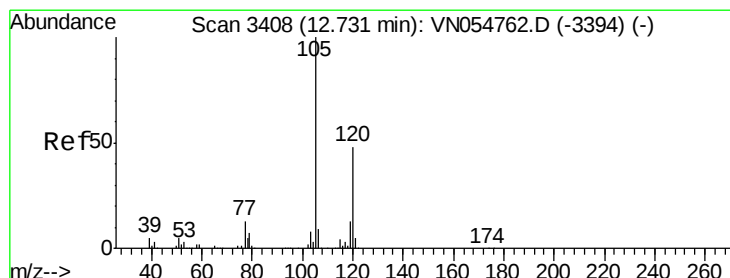
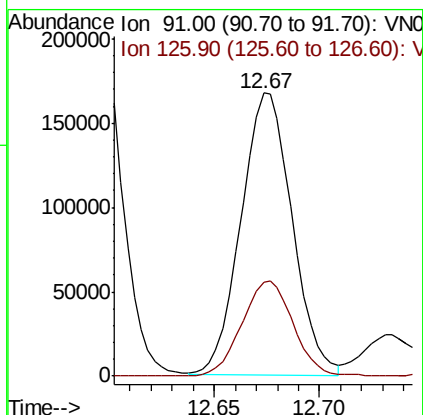
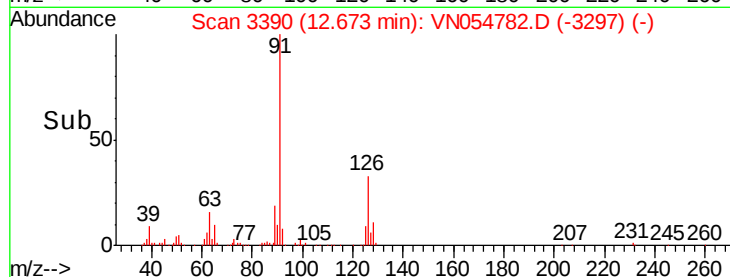
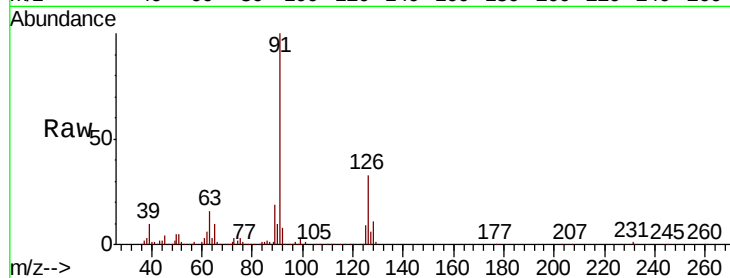
Ion Ratio Lower Upper

91 100

126 34.1 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.379 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054782.D

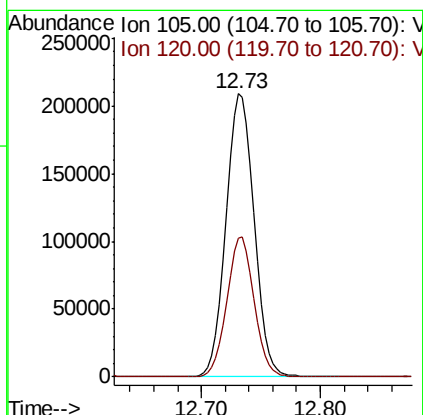
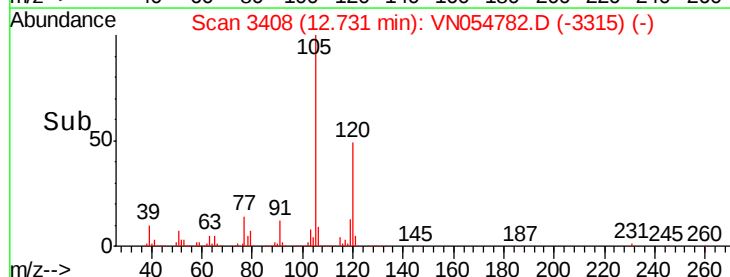
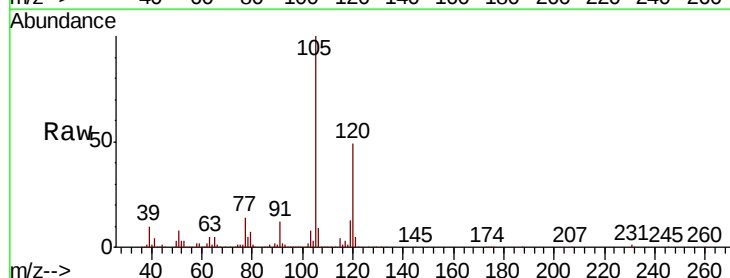
Acq: 29 Mar 2019 20:38

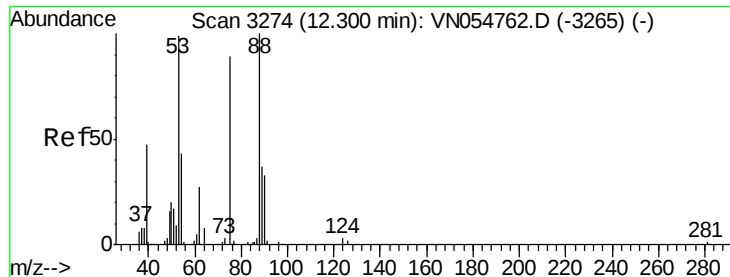
Tgt Ion: 105 Resp: 343086

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.626 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBS01

Tot Ion: 75 Resp: 20881

Ion Ratio Lower Upper

75 100

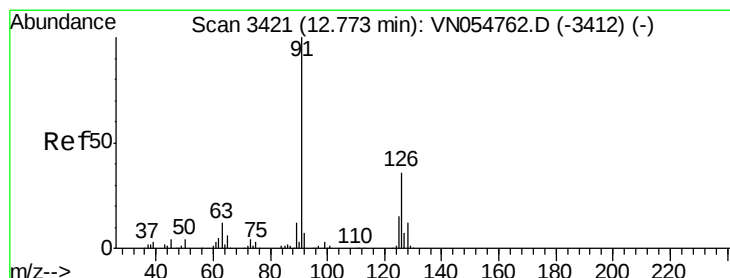
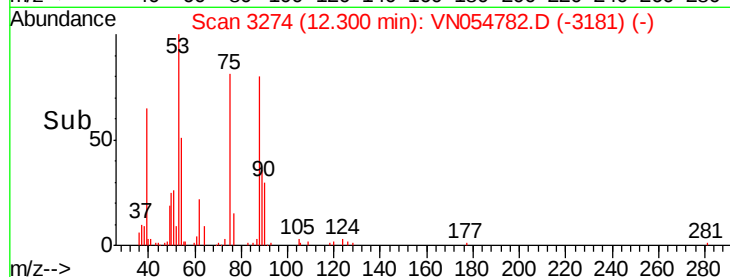
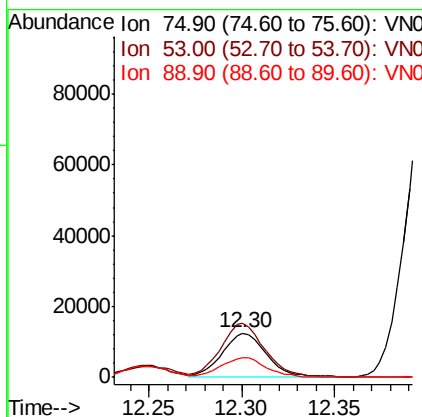
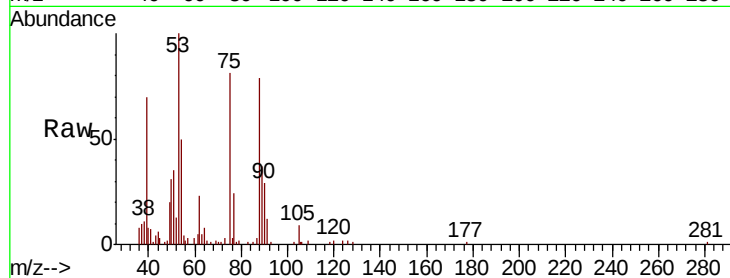
53 122.5 76.2 114.2#

89 44.9 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.097 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054782.D

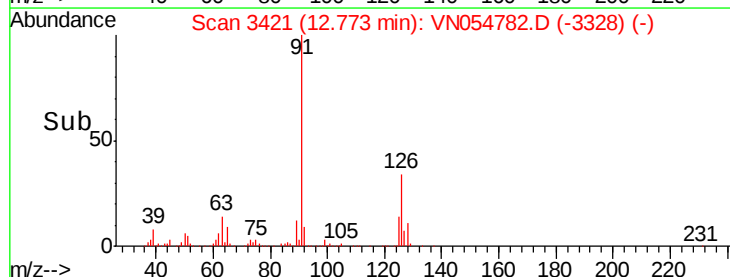
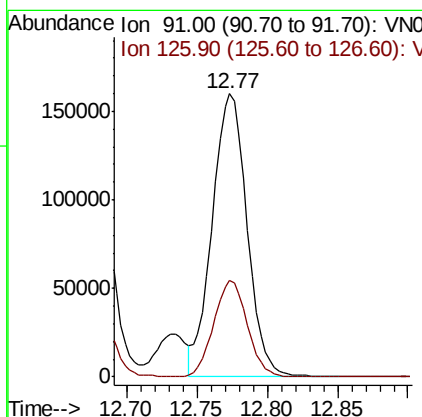
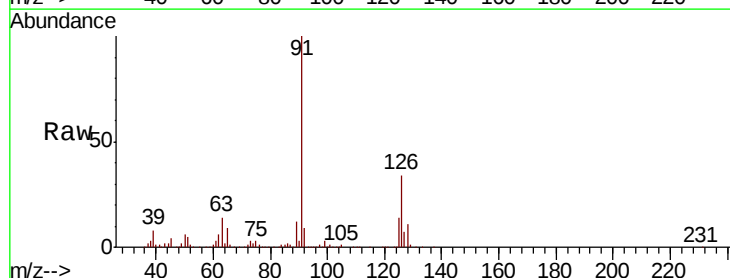
Acq: 29 Mar 2019 20:38

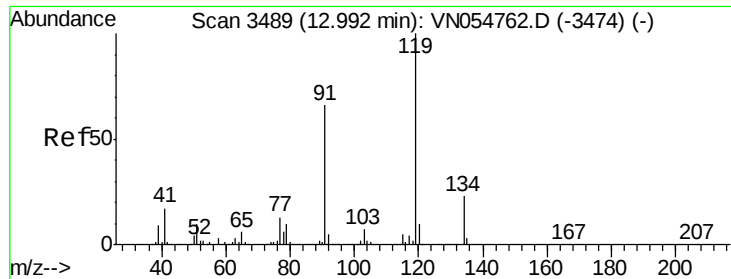
Tgt Ion: 91 Resp: 272327

Ion Ratio Lower Upper

91 100

126 33.1 18.1 54.1





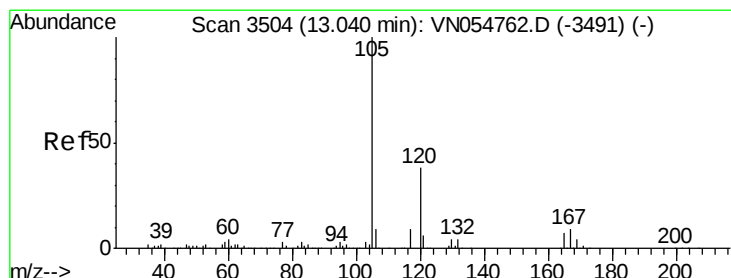
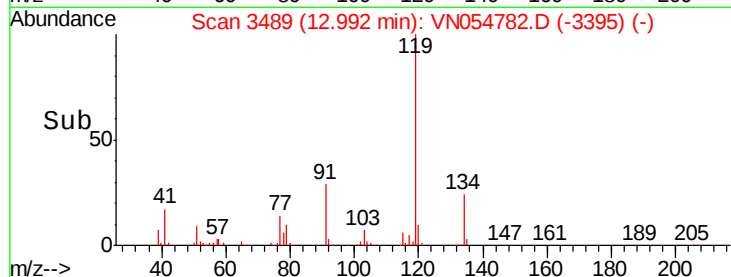
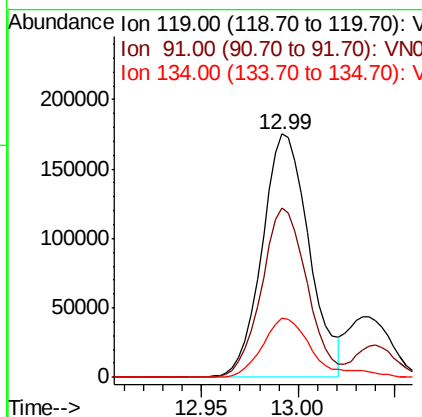
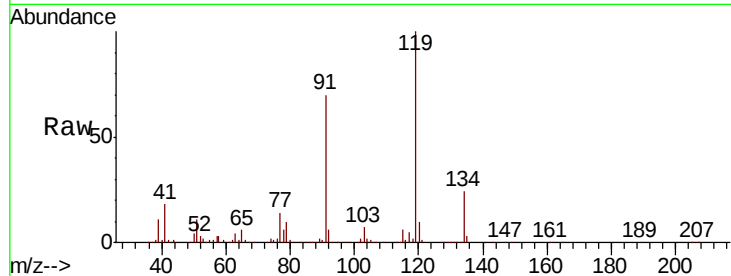
#83
tert-Butylbenzene
Concen: 21.478 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295684		
91	67.7	30.9	92.8	
134	26.1	13.2	39.6	

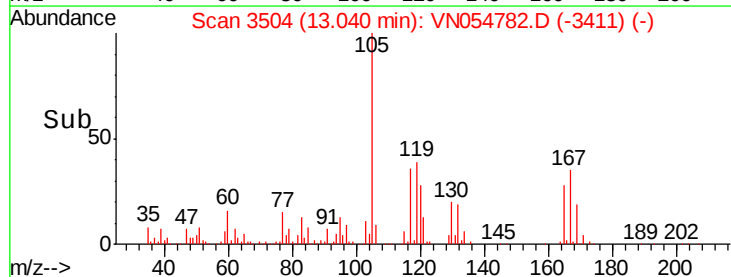
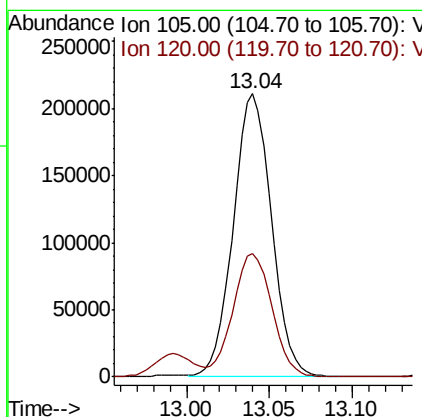
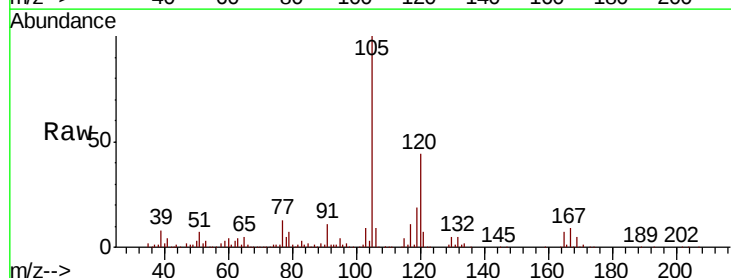
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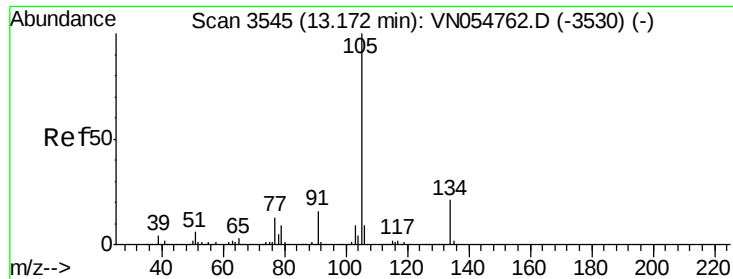
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#84
1,2,4-Trimethylbenzene
Concen: 21.011 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	336995		
120	44.9	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.135 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

VN0329WBS01

Tot Ion:105 Resp: 368220

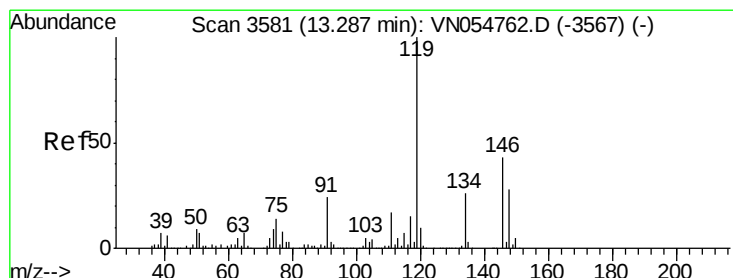
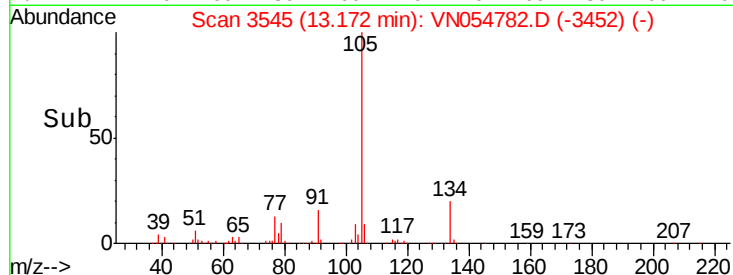
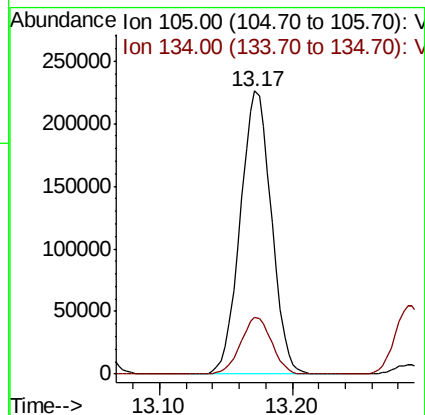
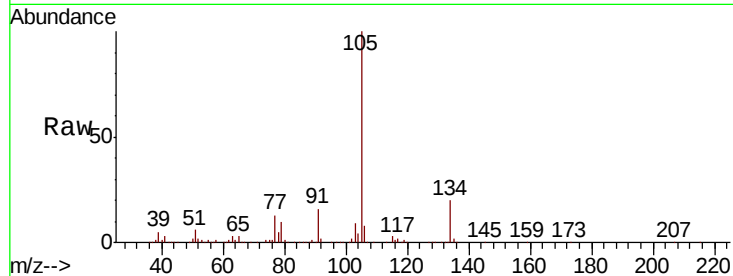
Ion Ratio Lower Upper

105 100

134 20.0 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.201 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

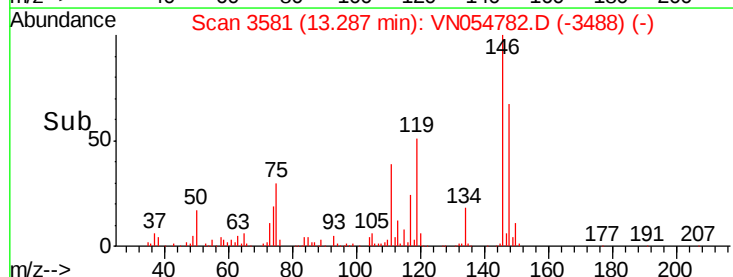
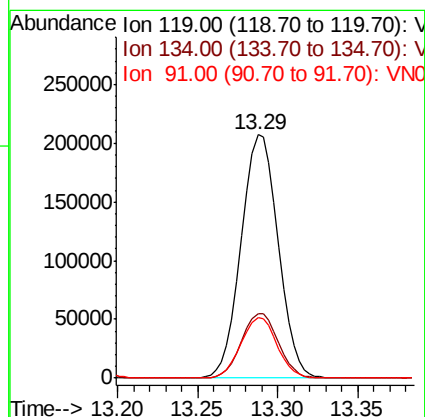
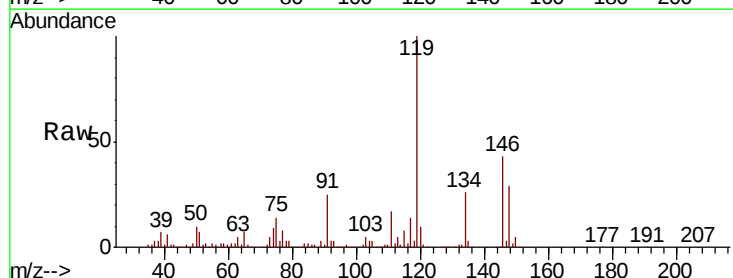
Tgt Ion:119 Resp: 325839

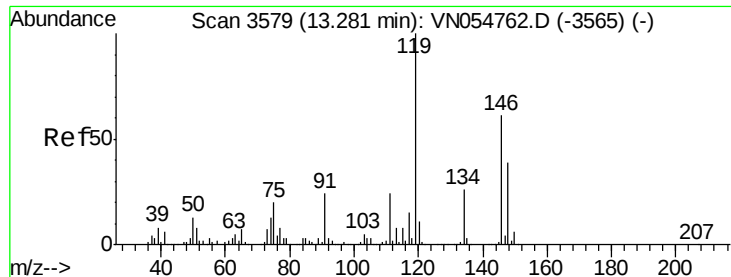
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.5 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.885 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

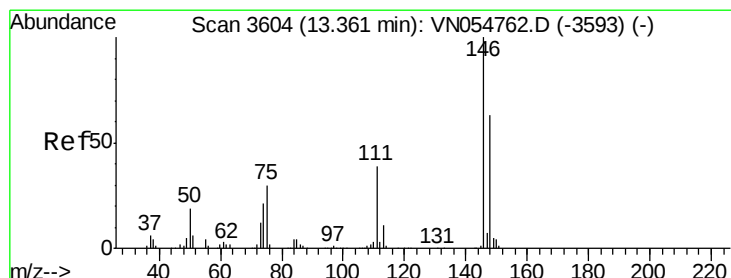
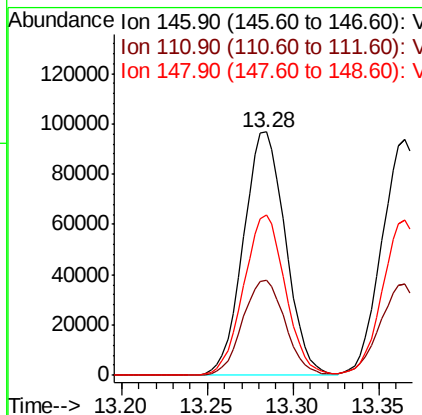
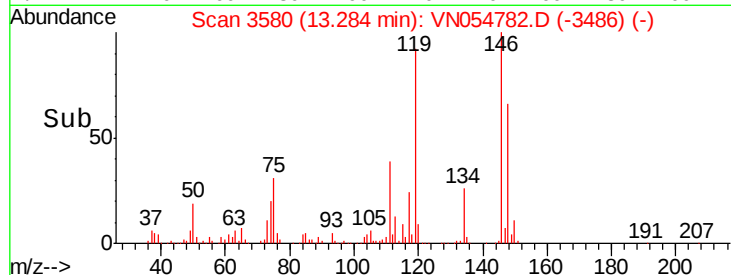
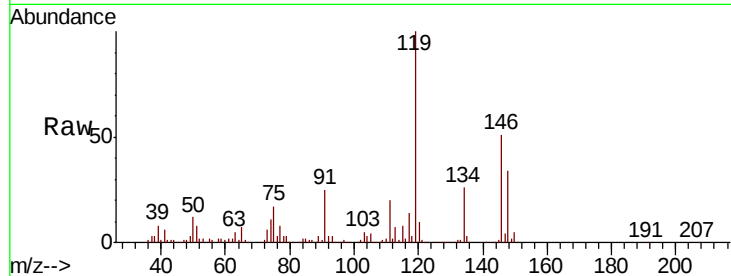
ClientSampleId :

VN0329WBS01

Tot Ion:	146	Resp:	164852
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.8	56.3
148	65.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.622 ug/l

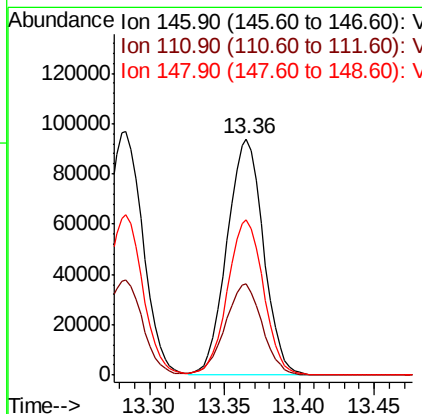
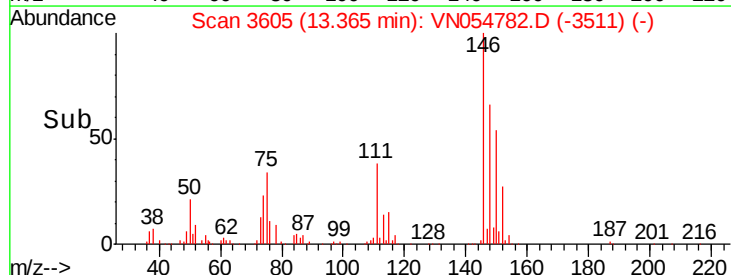
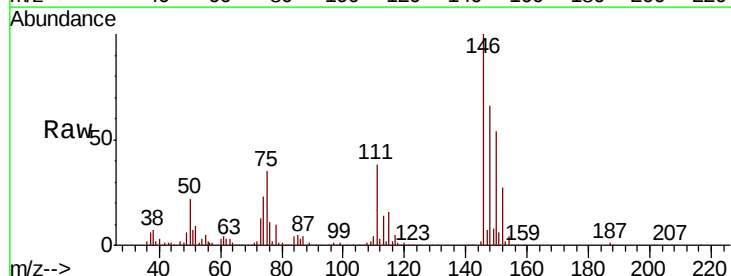
RT: 13.36 min Scan# 3605

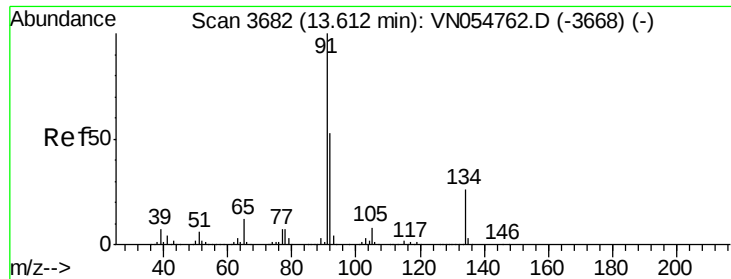
Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion:	146	Resp:	159546
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.1	54.1
148	64.9	32.0	96.0





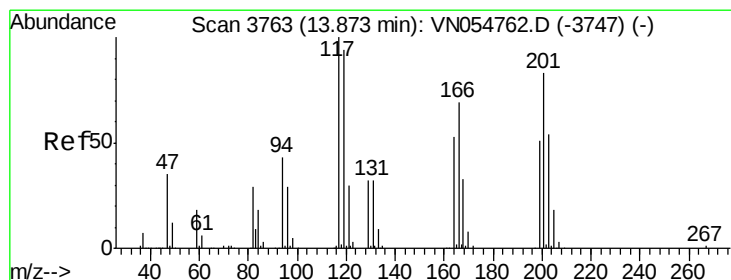
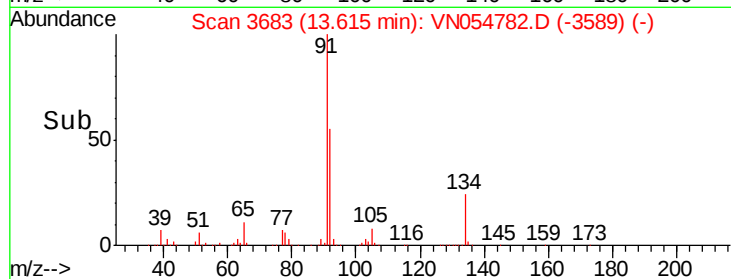
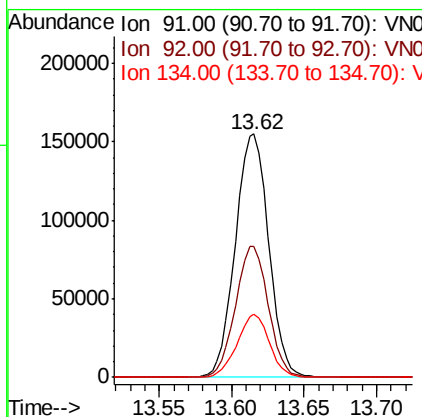
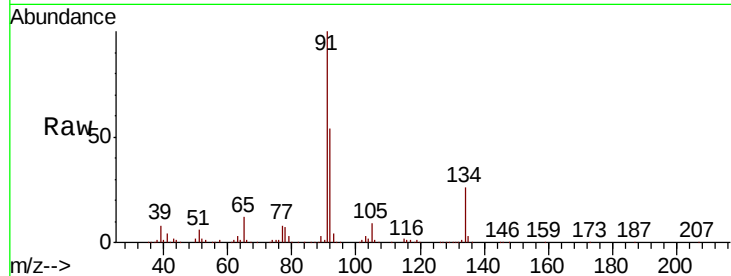
#89
n-Butylbenzene
Concen: 18.855 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	25.1	14.3	42.9

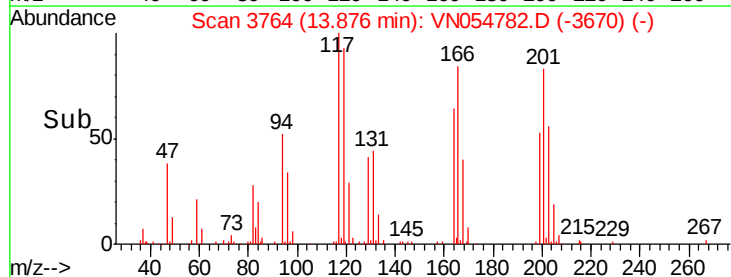
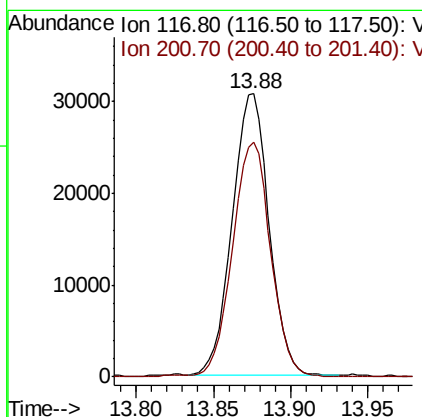
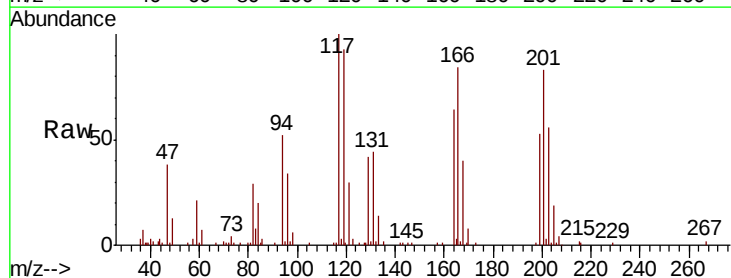
Manual Integrations
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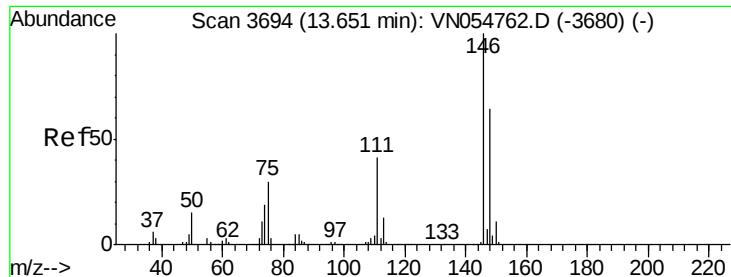
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#90
Hexachloroethane
Concen: 18.546 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	48.1	144.4





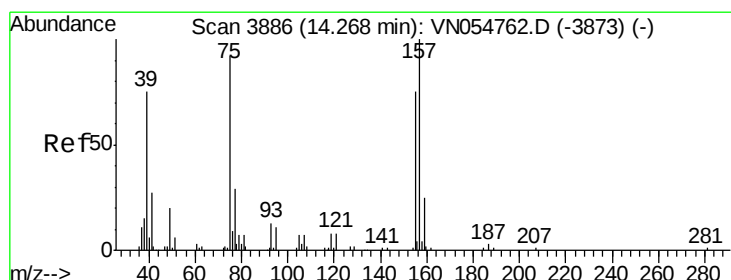
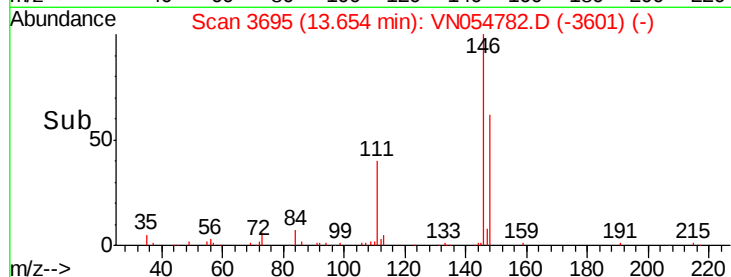
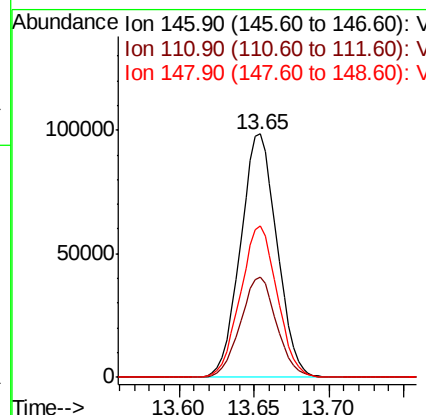
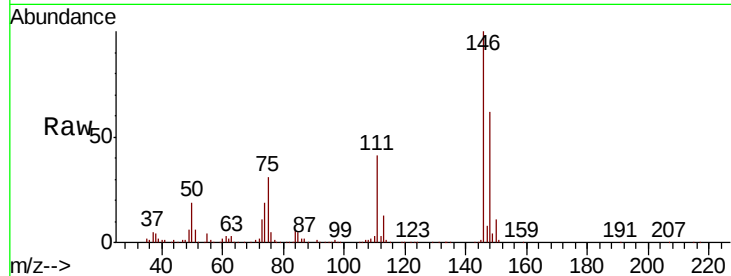
#91
 1,2-Dichlorobenzene
 Concen: 19.966 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	62.6	32.4	97.0

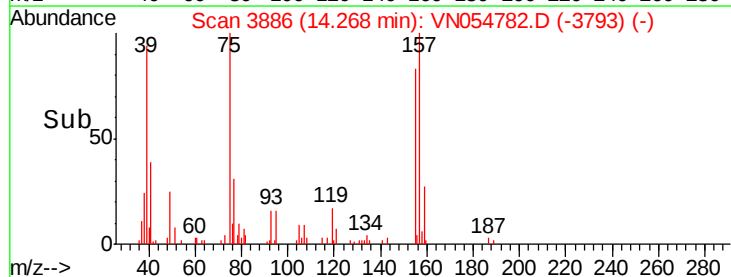
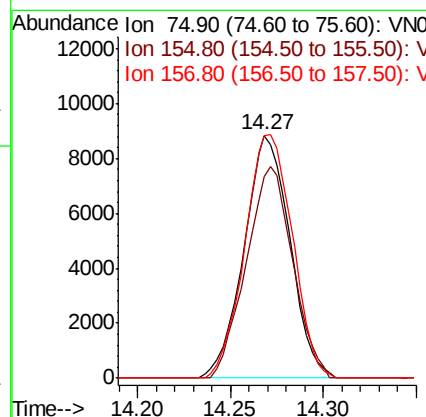
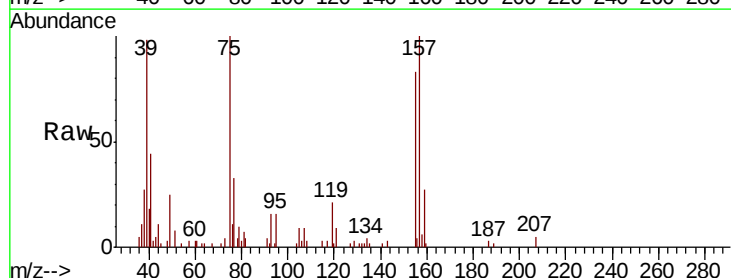
Manual Integrations
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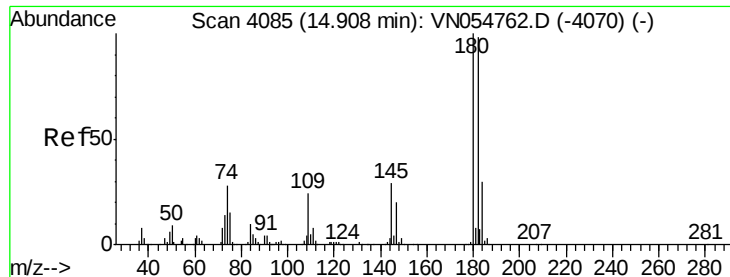
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.587 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	50.1	150.3
157	104.0	63.1	189.3





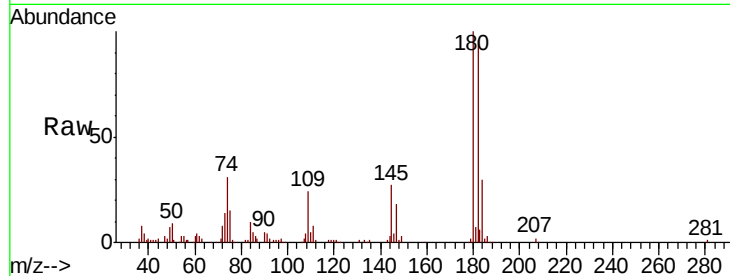
#93
 1,2,4-Trichlorobenzene
 Concen: 17.575 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.0	144.2
145	29.4	14.2	42.8

Manual Integrations
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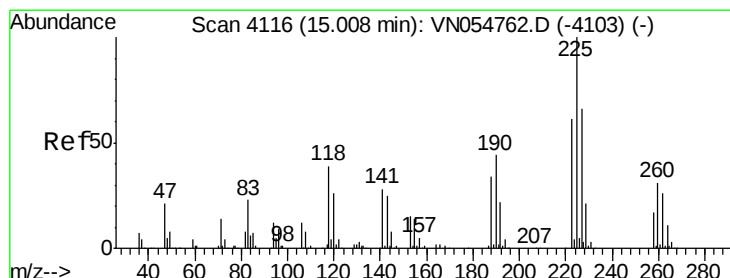
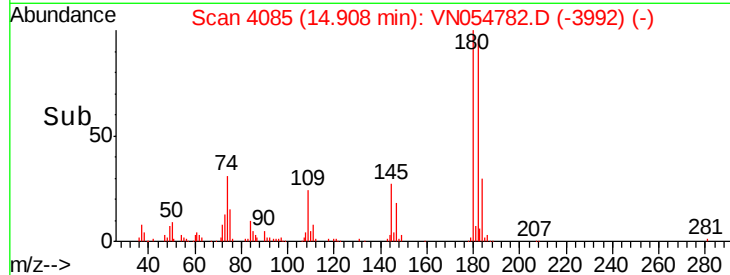
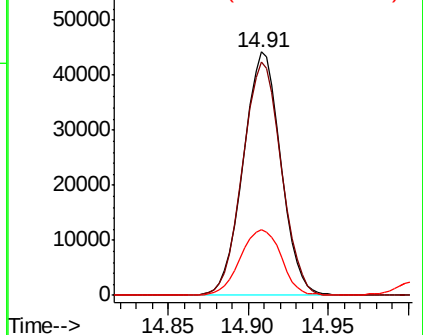


Abundance

Ion 179.80 (179.50 to 180.50): V

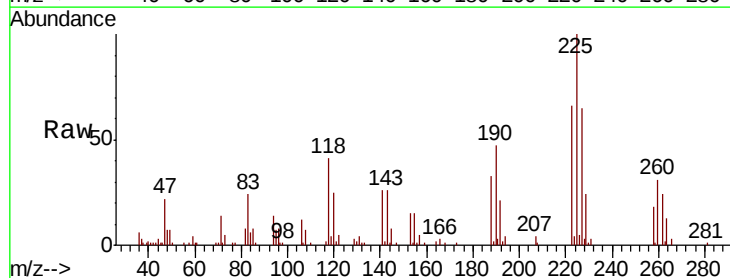
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.845 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.5
227	64.8	31.9	95.9

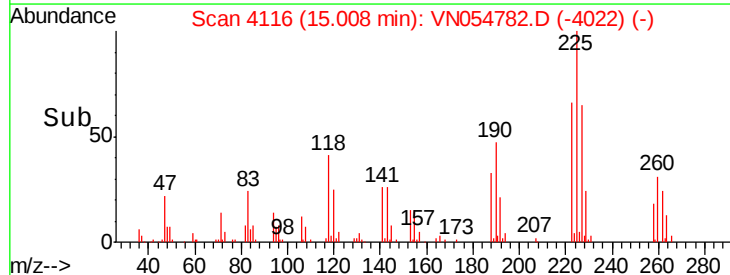
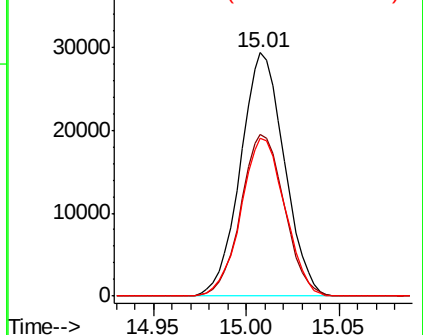


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.804 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

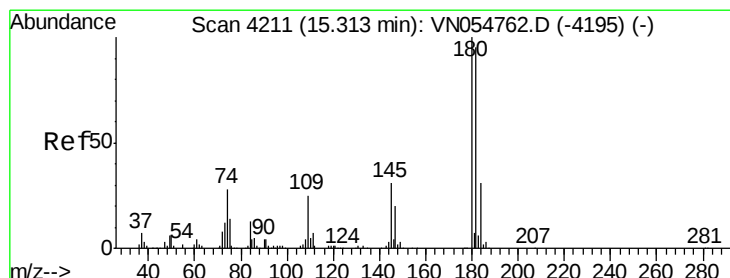
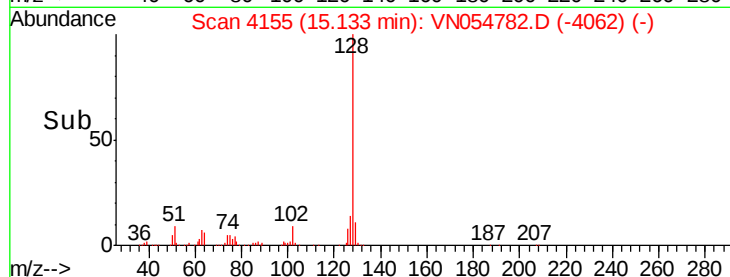
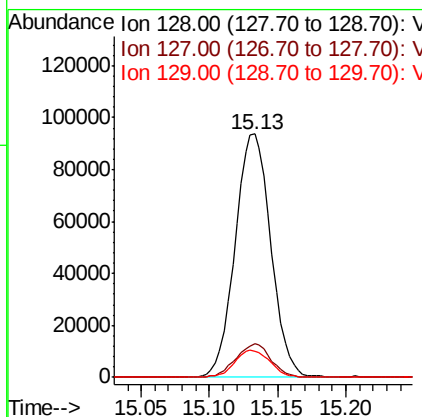
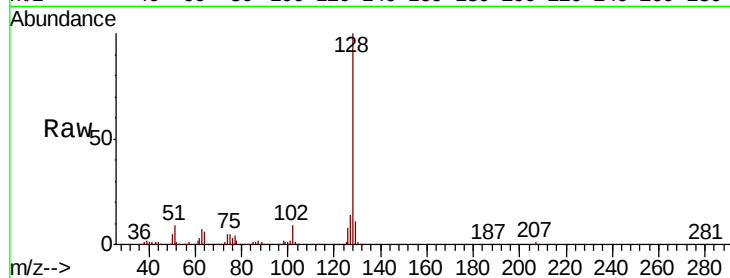
ClientSampled :

VN0329WBS01

Tot Ion:	128	Resp:	170114
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.733 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion:	180	Resp:	76312
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.5	142.6
145	31.9	14.8	44.3

