

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054868.D
 Acq On : 1 Apr 2019 12:26
 Operator : JC/SP
 Sample : VN0401MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 10:51:43 AM

Quant Time: Apr 02 04:40:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	610535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	255261	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	203211	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.09	98	739969	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	243326	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	75734	20.698	ug/l	100
3) Chloromethane	2.06	50	109028	21.550	ug/l	99
4) Vinyl Chloride	2.19	62	96953	21.339	ug/l	100
5) Bromomethane	2.57	94	55073	21.855	ug/l	97
6) Chloroethane	2.71	64	53713	21.172	ug/l	98
7) Trichlorofluoromethane	3.02	101	123881	22.178	ug/l	96
8) Diethyl Ether	3.41	74	42298	23.517	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65482	22.269	ug/l	93
10) Methyl Iodide	3.94	142	77435	19.236	ug/l #	88
11) Tert butyl alcohol	4.83	59	32403	127.535	ug/l	100
12) 1,1-Dichloroethene	3.73	96	64738	22.767	ug/l #	79
13) Acrolein	3.61	56	22491	99.021	ug/l	96
14) Allyl chloride	4.31	41	154001	21.988	ug/l #	93
15) Acrylonitrile	5.00	53	167095	118.322	ug/l	99
16) Acetone	3.82	43	137872	118.563	ug/l #	80
17) Carbon Disulfide	4.04	76	188632	20.453	ug/l	99
18) Methyl Acetate	4.33	43	78423	25.441	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	230891	23.213	ug/l	95
20) Methylene Chloride	4.55	84	91429	22.290	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	81488	21.818	ug/l #	80
22) Diisopropyl ether	5.96	45	323099	23.324	ug/l #	95
23) Vinyl Acetate	5.90	43	1128598	117.072	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	171670	23.231	ug/l	97
25) 2-Butanone	6.85	43	211795	123.214	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	114728	22.151	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	96971	22.983	ug/l	87
28) Bromochloromethane	7.19	49	81566	22.074	ug/l #	72
29) Tetrahydrofuran	7.22	42	139782	117.083	ug/l #	85
30) Chloroform	7.37	83	167499	23.771	ug/l	100
31) Cyclohexane	7.65	56	158762	22.443	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	133850	22.922	ug/l	95
36) 1,1-Dichloropropene	7.79	75	121395	21.339	ug/l	95
37) Ethyl Acetate	6.94	43	96662	23.170	ug/l #	93
38) Carbon Tetrachloride	7.77	117	115096	20.830	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132316	21.156	ug/l	88
40) Benzene	8.04	78	365229	22.436	ug/l	99
41) Methacrylonitrile	7.18	41	55506	23.684	ug/l	89
42) 1,2-Dichloroethane	8.12	62	130237	22.407	ug/l	98
43) Isopropyl Acetate	8.17	43	154752	22.829	ug/l #	93
44) Trichloroethene	8.83	130	93888	22.218	ug/l	91
45) 1,2-Dichloropropane	9.12	63	103216	22.237	ug/l	93
46) Dibromomethane	9.21	93	57316	21.951	ug/l	90
47) Bromodichloromethane	9.40	83	122211	22.521	ug/l	99
48) Methyl methacrylate	9.20	41	79415	21.612	ug/l	89
49) 1,4-Dioxane	9.21	88	18674	512.177	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	440911	115.689	ug/l	92
52) Toluene	10.16	92	213226	22.013	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	106432	20.850	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134892	22.121	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	82374	22.871	ug/l	96
56) Ethyl methacrylate	10.43	69	104432	22.103	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	143471	23.170	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	183046	96.569	ug/l	90
59) 2-Hexanone	10.75	43	275063	112.742	ug/l	90
60) Dibromochloromethane	10.90	129	82941	22.733	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78695	22.863	ug/l	98
64) Tetrachloroethene	10.63	164	90136	22.053	ug/l	95
65) Chlorobenzene	11.43	112	224610	21.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84732	21.708	ug/l	99
67) Ethyl Benzene	11.51	91	408317	21.698	ug/l	95
68) m/p-Xylenes	11.62	106	303028	43.513	ug/l	95
69) o-Xylene	11.95	106	145796	21.350	ug/l	92
70) Styrene	11.96	104	239834	21.965	ug/l	97
71) Bromoform	12.13	173	47614	20.822	ug/l #	99
73) Isopropylbenzene	12.25	105	391398	20.945	ug/l	97
74) N-amyl acetate	12.07	43	117399	20.165	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	98476	22.979	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	91768m	23.105	ug/l	
77) Bromobenzene	12.53	156	94795	21.019	ug/l	84
78) n-propylbenzene	12.59	91	427991	20.838	ug/l	96
79) 2-Chlorotoluene	12.67	91	267082	21.019	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	321580	20.972	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19784	19.375	ug/l #	78
82) 4-Chlorotoluene	12.77	91	253625	20.549	ug/l	97
83) tert-Butylbenzene	12.99	119	275847	22.052	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	313720	21.476	ug/l	98
85) sec-Butylbenzene	13.17	105	354053	21.256	ug/l	97
86) p-Isopropyltoluene	13.29	119	310337	21.124	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156797	20.765	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149049	20.125	ug/l	98
89) n-Butylbenzene	13.61	91	235225	19.624	ug/l	98
90) Hexachloroethane	13.87	117	50247	20.144	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	157375	20.651	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14262	22.325	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71058	19.341	ug/l	97
94) Hexachlorobutadiene	15.01	225	50000	21.793	ug/l	100
95) Naphthalene	15.13	128	153433	18.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72502	19.540	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion:168 Resp: 361745

Ion Ratio Lower Upper

168 100

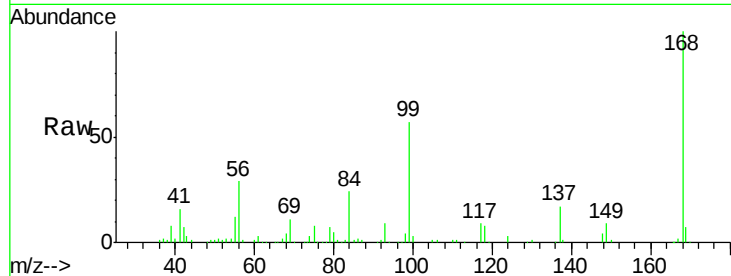
99 55.2 37.1 55.7

Manual Integrations

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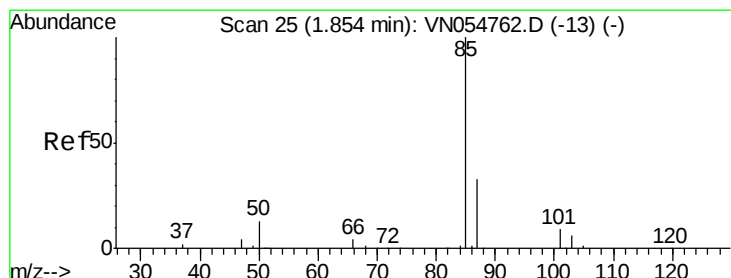
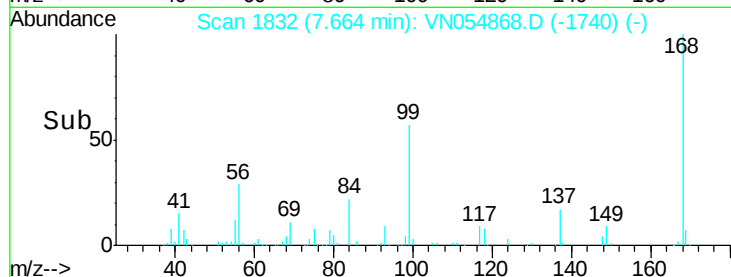
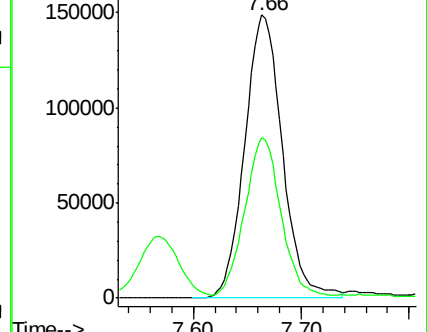
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4/2/2019 10:51:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.698 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054868.D

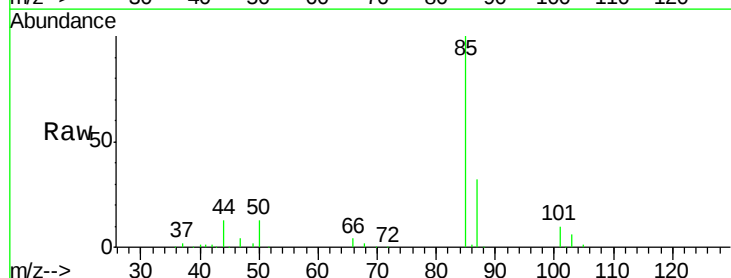
Acq: 1 Apr 2019 12:26

Tgt Ion: 85 Resp: 75734

Ion Ratio Lower Upper

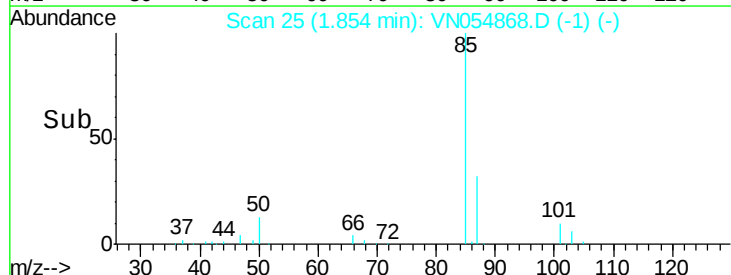
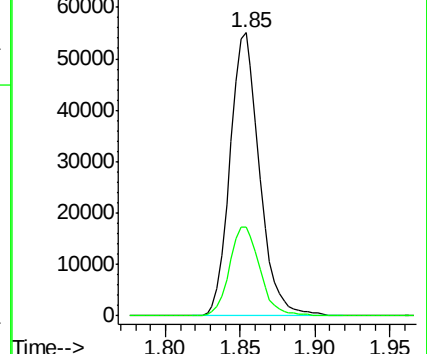
85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.550 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion: 50 Resp: 109028

Ion Ratio Lower Upper

50 100

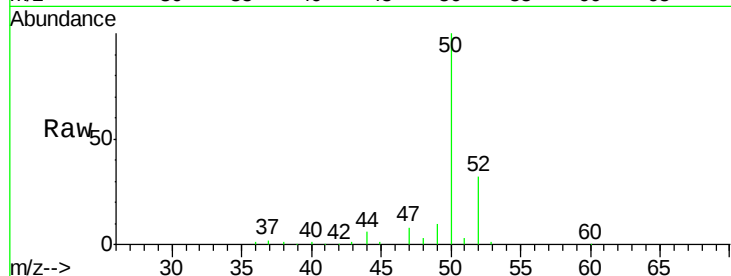
52 32.3 26.4 39.6

Manual Integrations

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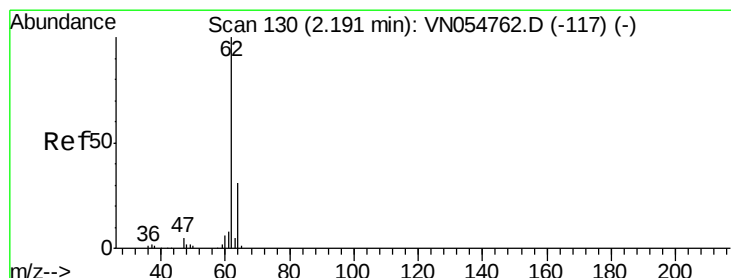
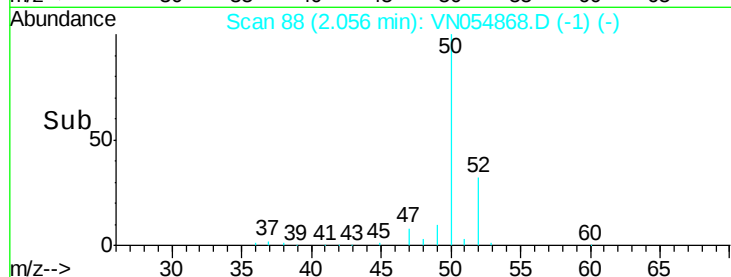
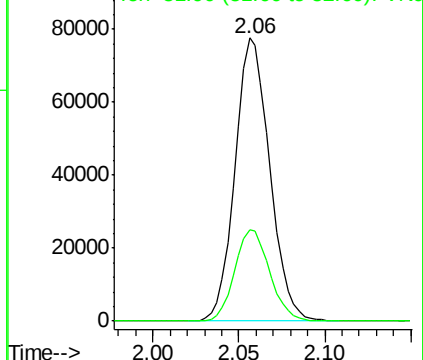
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.339 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054868.D

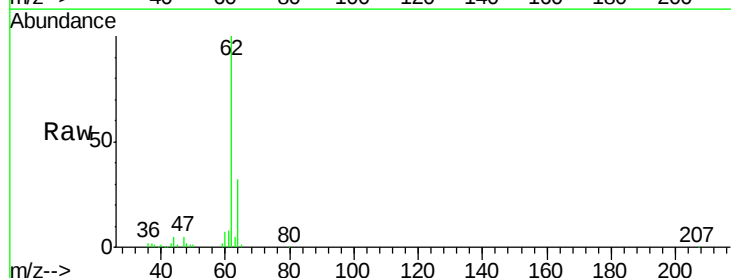
Acq: 1 Apr 2019 12:26

Tgt Ion: 62 Resp: 96953

Ion Ratio Lower Upper

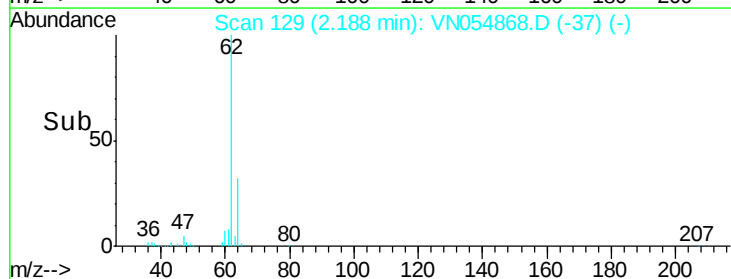
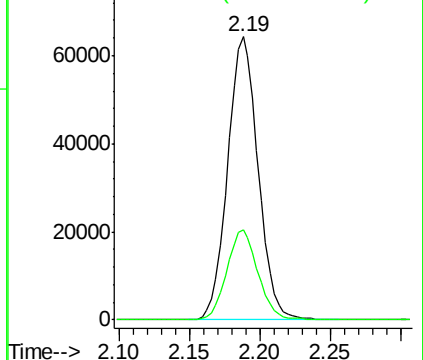
62 100

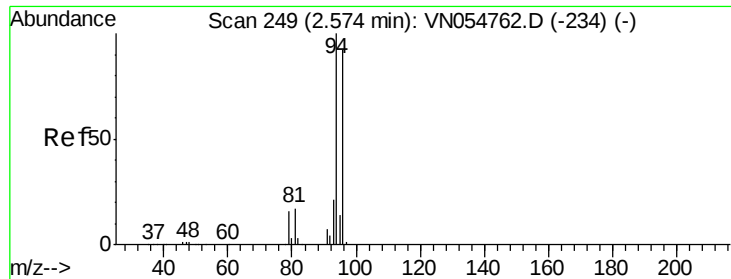
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.855 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion: 94 Resp: 55073

Ion Ratio Lower Upper

94 100

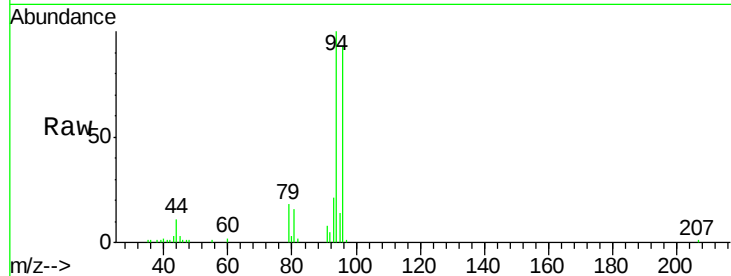
96 92.9 77.0 115.4

Manual Integrations

APPROVED

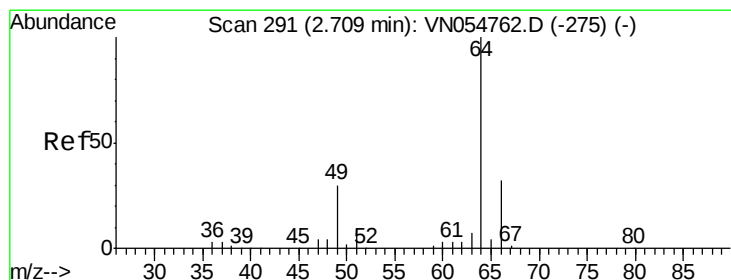
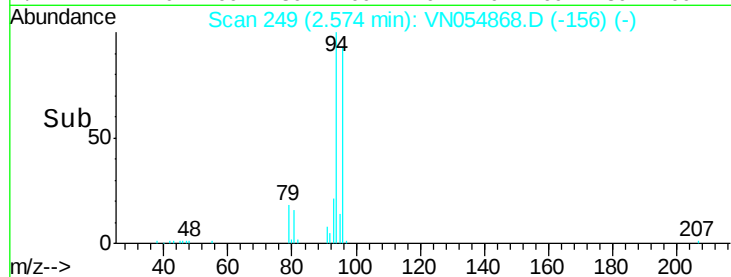
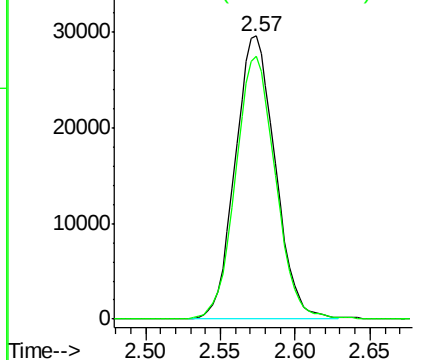
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4/2/2019 10:51:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.172 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054868.D

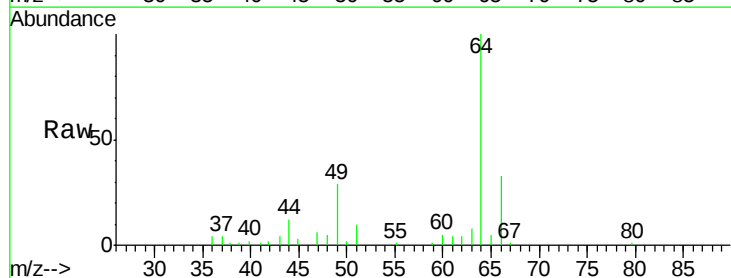
Acq: 1 Apr 2019 12:26

Tgt Ion: 64 Resp: 53713

Ion Ratio Lower Upper

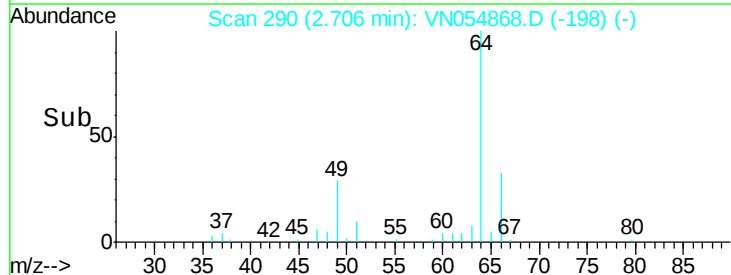
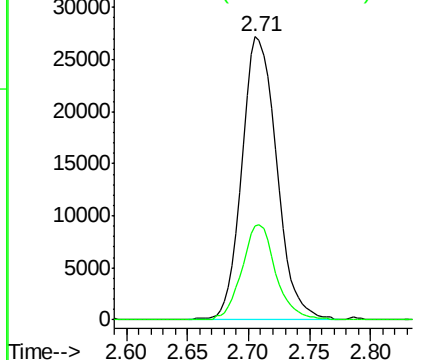
64 100

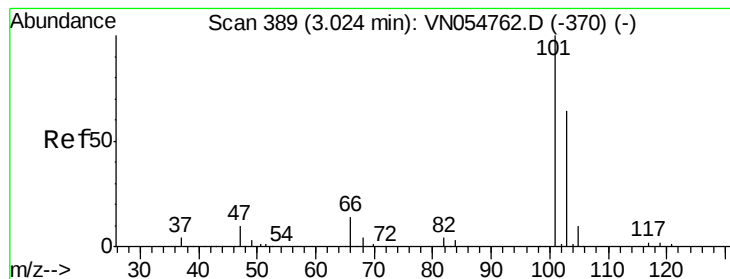
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

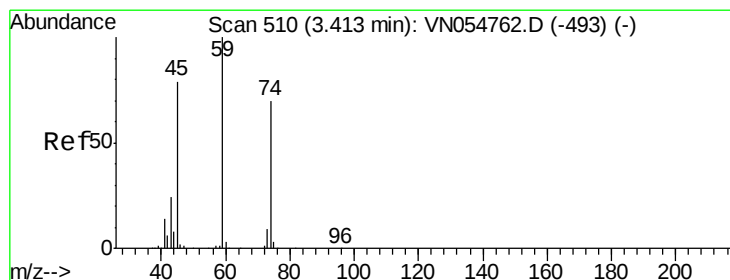
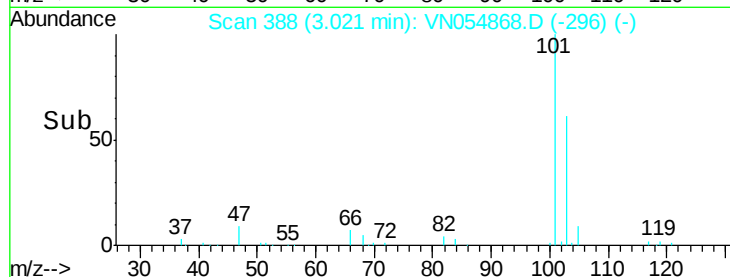
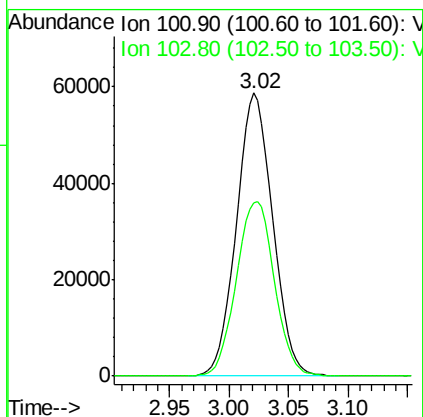
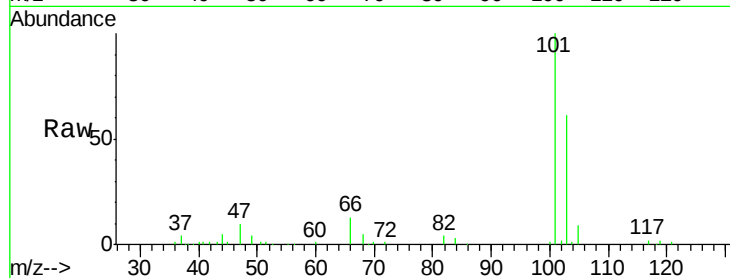
Trichlorofluoromethane
Concen: 22.178 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.4	77.2

Manual Integrations
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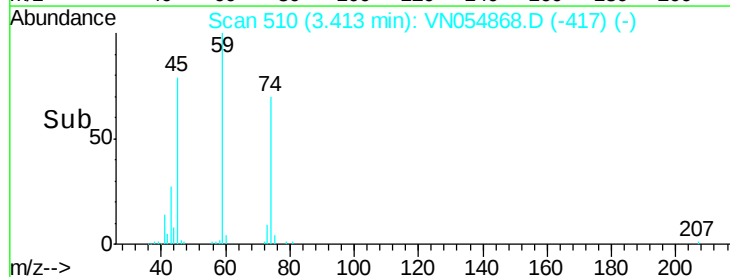
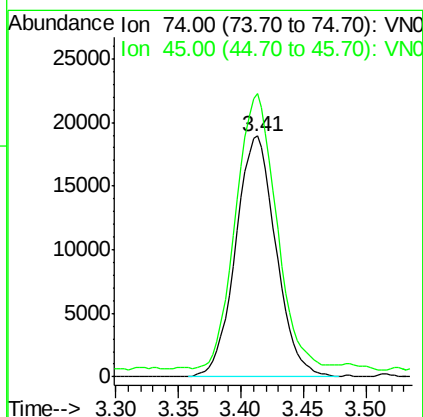
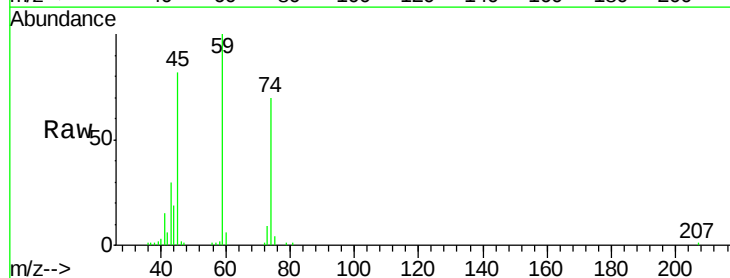
MMDadoda
4/2/2019 10:51:43 AM

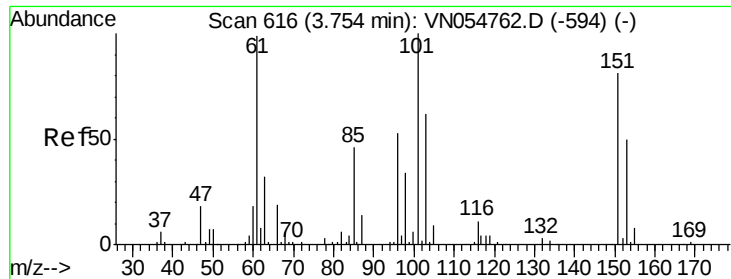


#8

Diethyl Ether
Concen: 23.517 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.269 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

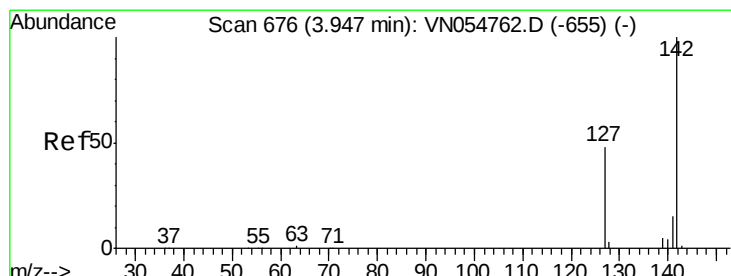
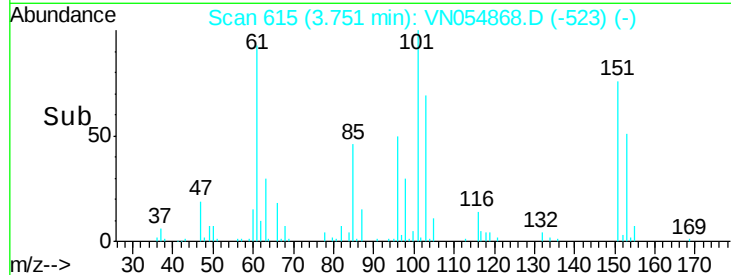
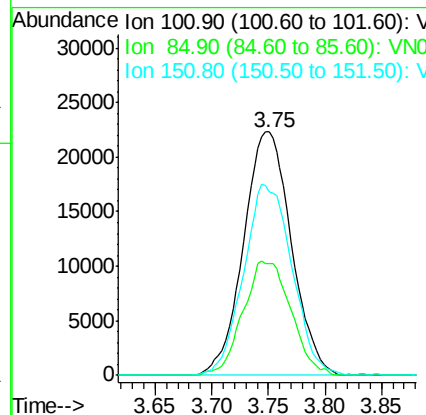
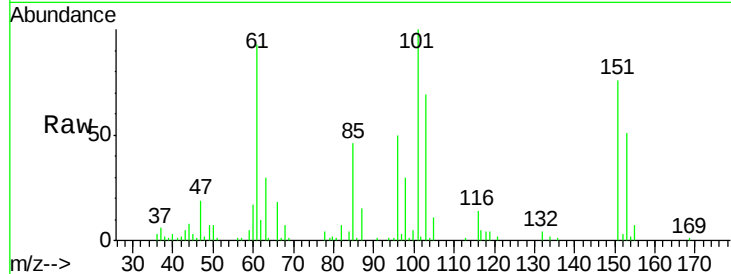
ClientSampleId :

VN0401MBS01

Tot Ion:	101	Resp:	65482
Ion Ratio	Lower	Upper	
101	100		
85	47.0	32.4	48.6
151	79.8	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.236 ug/l

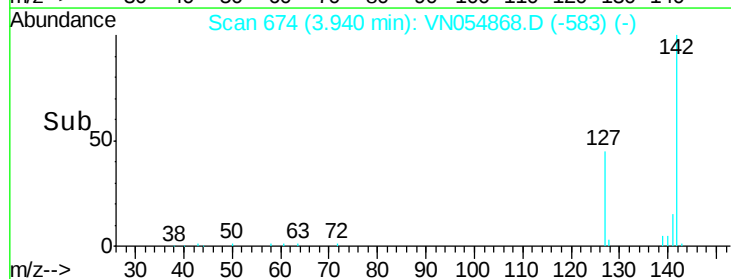
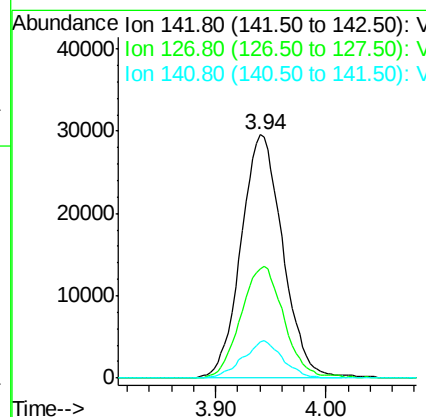
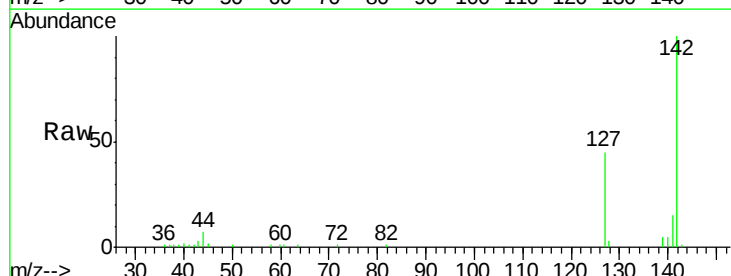
RT: 3.94 min Scan# 674

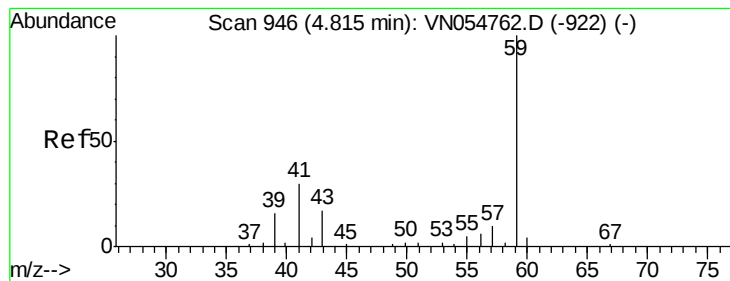
Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	142	Resp:	77435
Ion Ratio	Lower	Upper	
142	100		
127	47.4	30.3	45.5#
141	14.5	11.2	16.8





#11

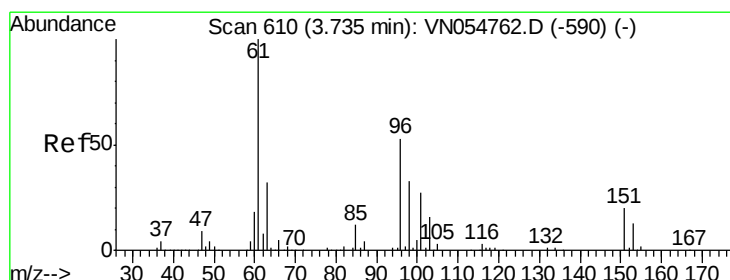
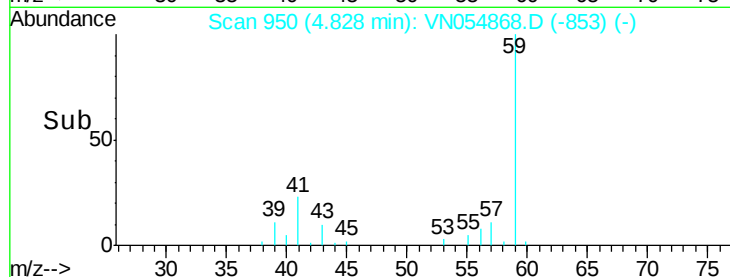
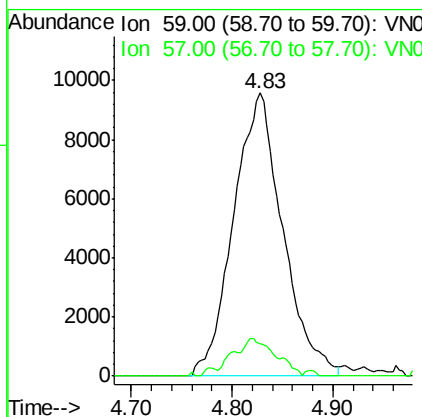
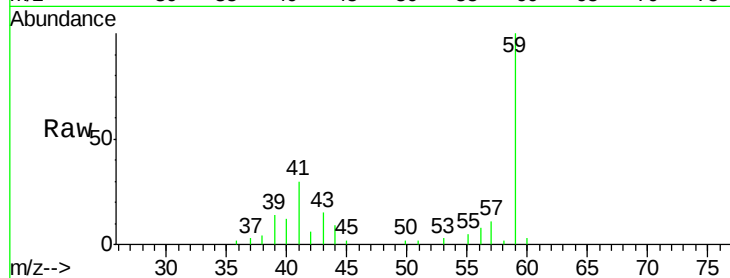
Tert butyl alcohol
 Concen: 127.535 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401MBS01

Tot Ion: 59 Resp: 32403
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.6

Manual Integrations
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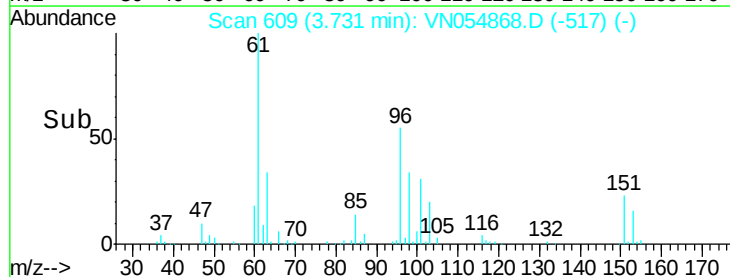
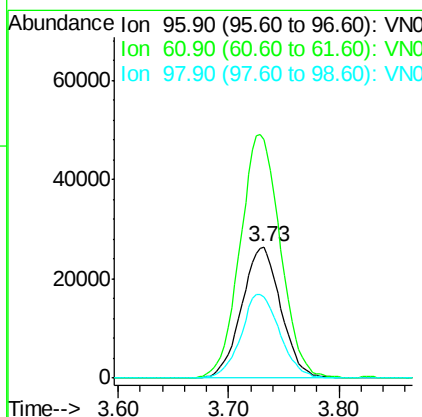
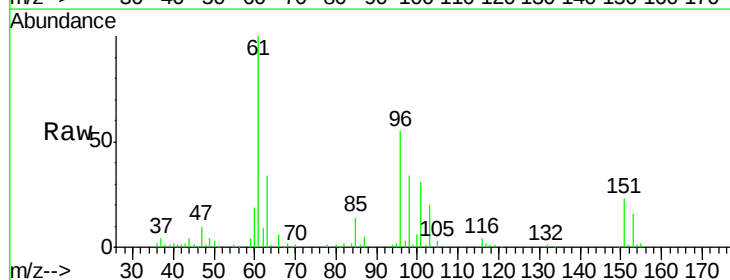
MMDadoda
 4/2/2019 10:51:43 AM

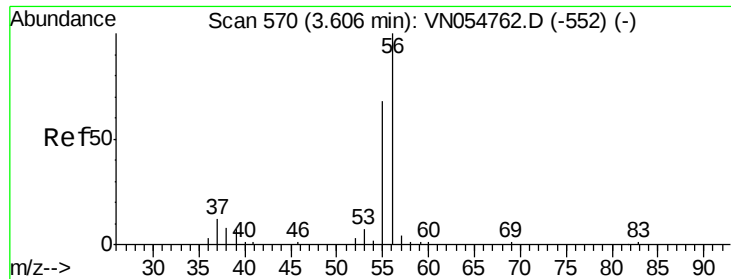


#12

1,1-Dichloroethene
 Concen: 22.767 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 96 Resp: 64738
 Ion Ratio Lower Upper
 96 100
 61 181.7 116.5 174.7#
 98 62.2 51.0 76.4





#13

Acrolein

Concen: 99.021 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 56 Resp: 22491

Ion Ratio Lower Upper

56 100

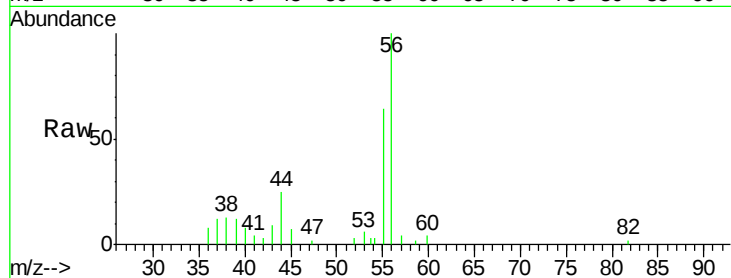
55 74.5 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

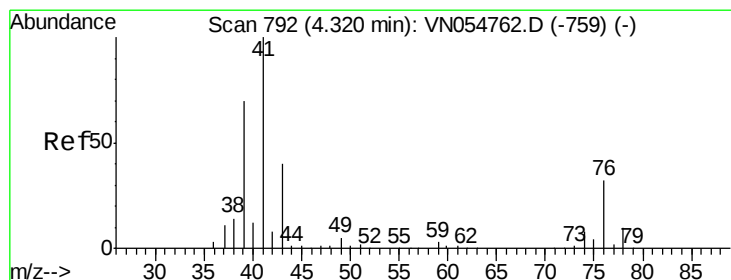
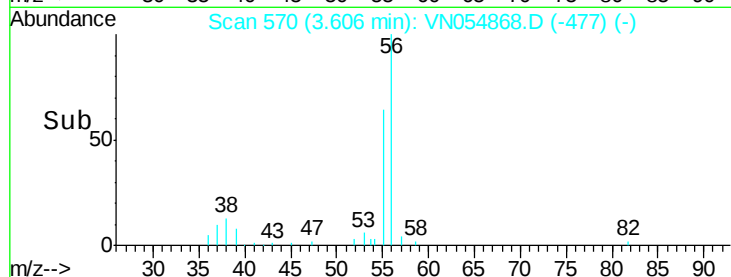
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.988 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

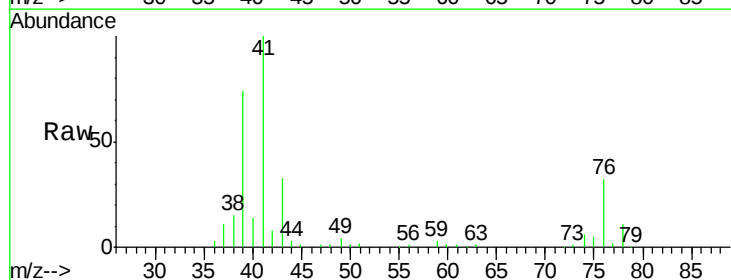
Tgt Ion: 41 Resp: 154001

Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

76 28.9 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

4.31

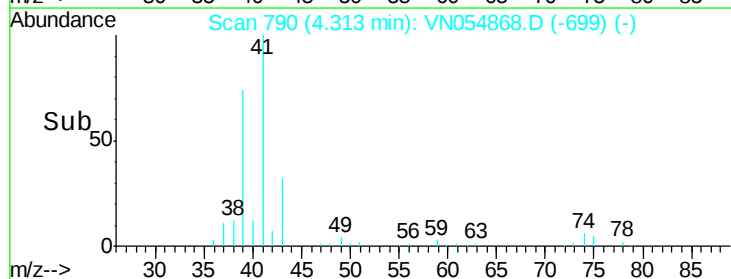
60000

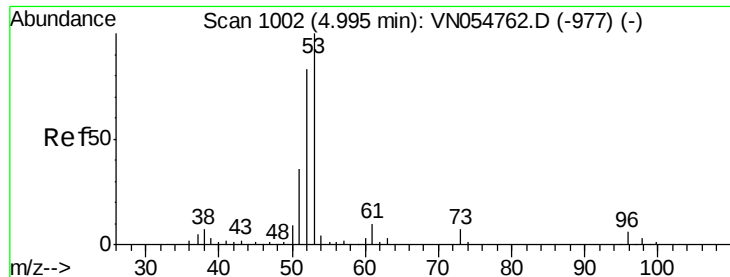
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 118.322 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

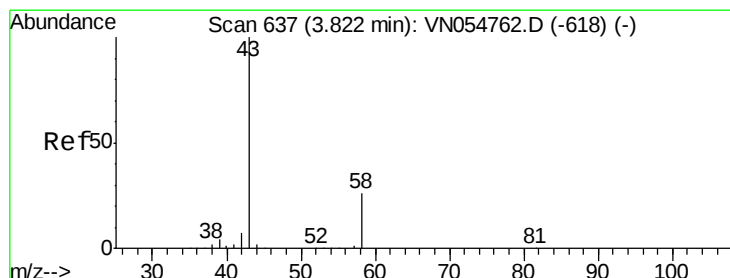
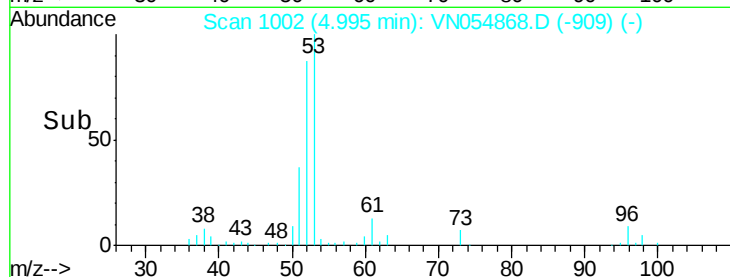
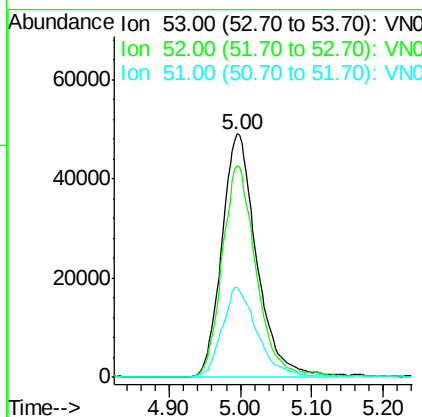
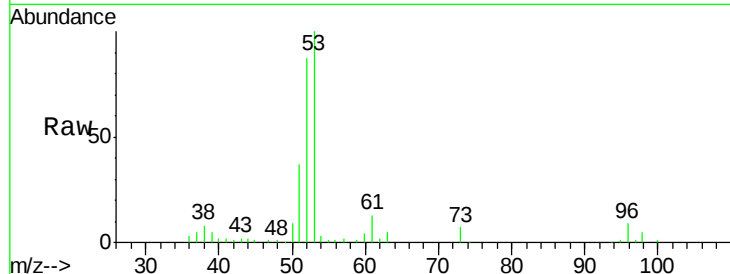
ClientSampled :

VN0401MBS01

Tot Ion:	53	Resp:	167095
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	37.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 118.563 ug/l

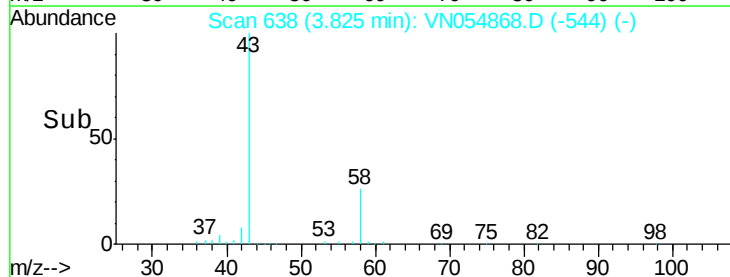
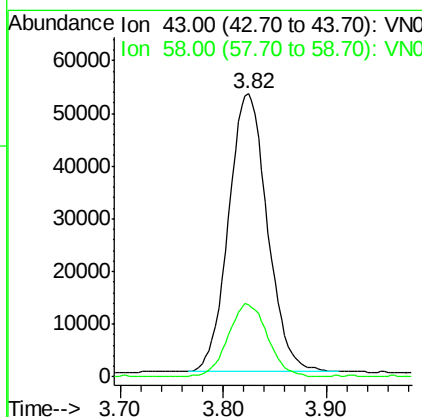
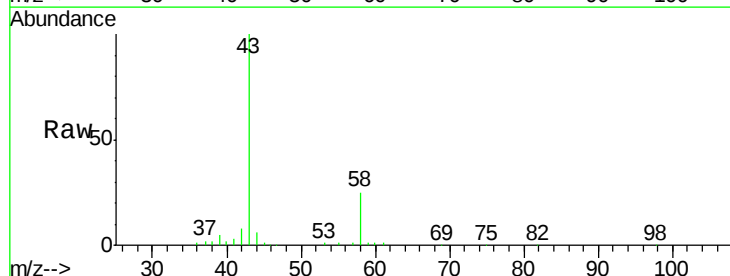
RT: 3.82 min Scan# 638

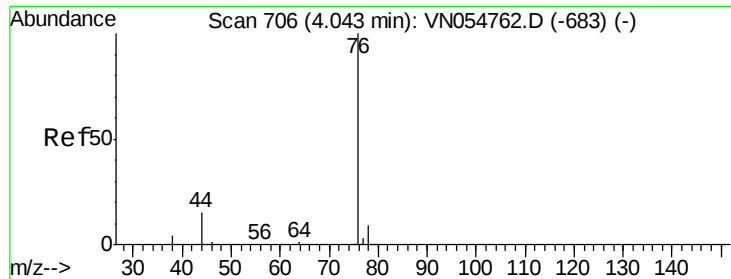
Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	43	Resp:	137872
Ion	Ratio	Lower	Upper
43	100		
58	25.6	29.9	44.9#





#17

Carbon Disulfide

Concen: 20.453 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion: 76 Resp: 188632

Ion Ratio Lower Upper

76 100

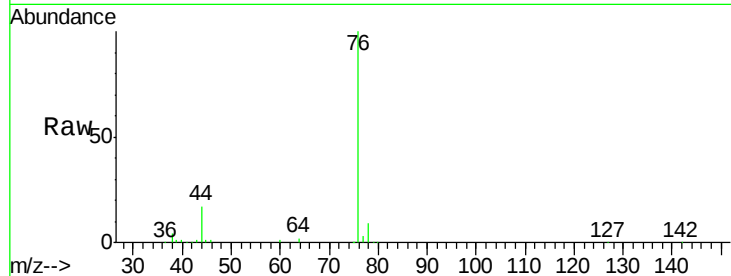
78 9.0 7.5 11.3

Manual Integrations

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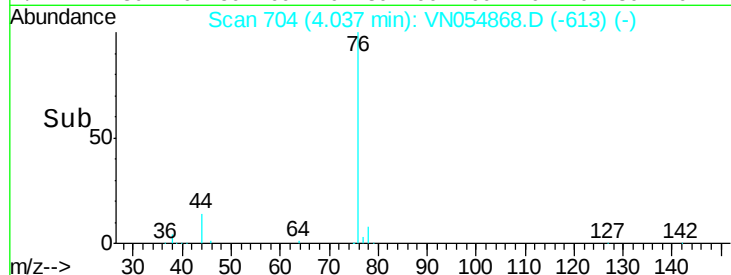


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

Time-->



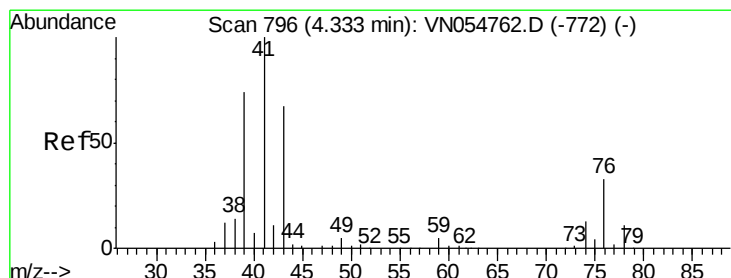
Abundance

Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

Time-->



#18

Methyl Acetate

Concen: 25.441 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054868.D

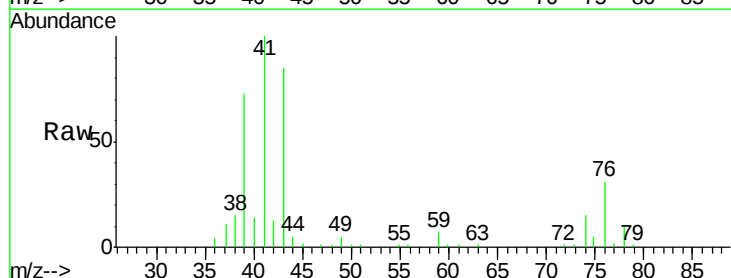
Acq: 1 Apr 2019 12:26

Tgt Ion: 43 Resp: 78423

Ion Ratio Lower Upper

43 100

74 19.4 20.8 31.2#

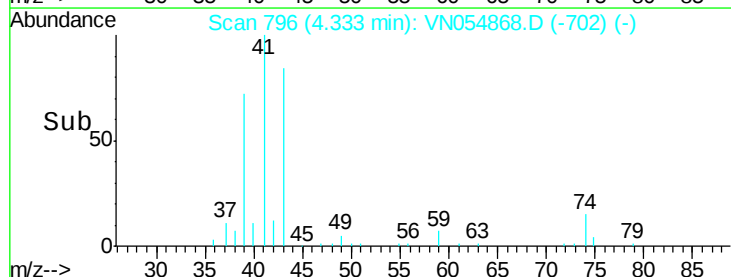


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

Time-->



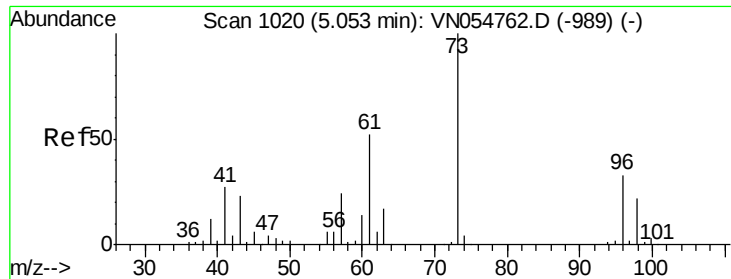
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

Time-->



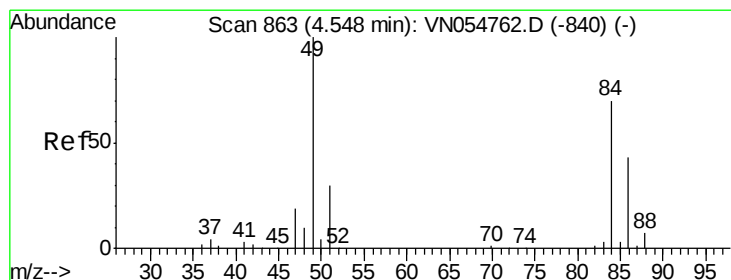
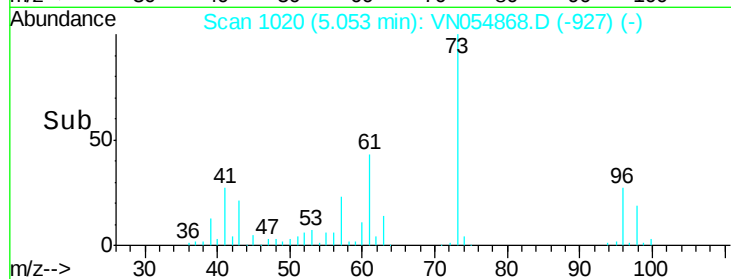
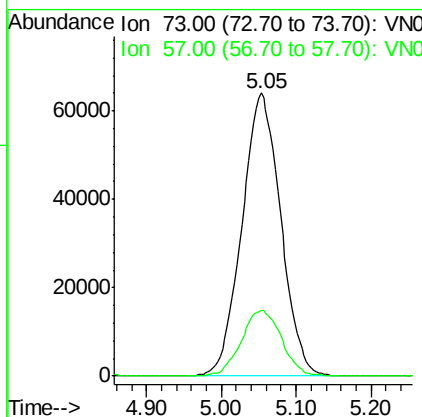
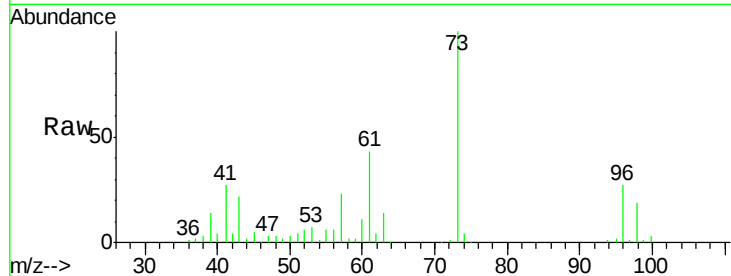
#19
Methvl tert-butvl Ether
Concen: 23.213 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 73 Resp: 230891
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

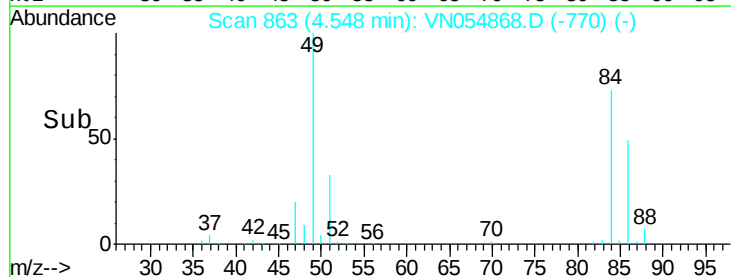
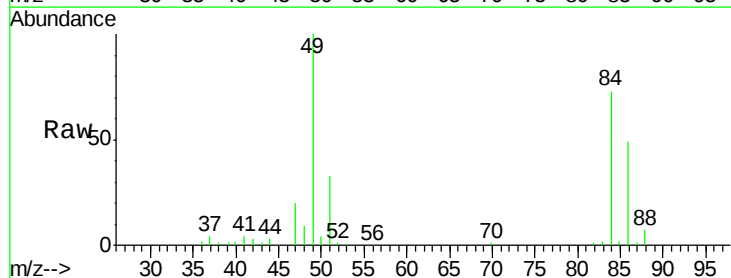
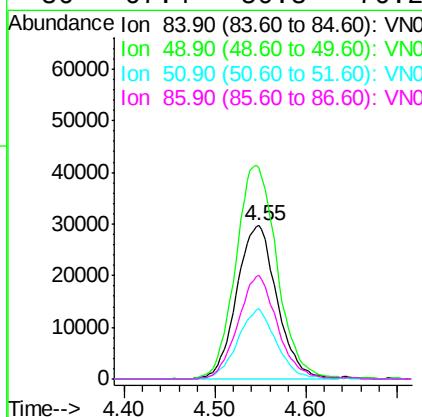
Manual Integrations
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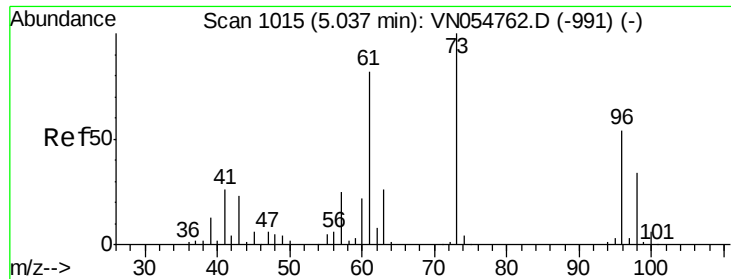
MMDadoda
4/2/2019 10:51:43 AM



#20
Methylene Chloride
Concen: 22.290 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 84 Resp: 91429
Ion Ratio Lower Upper
84 100
49 137.2 89.7 134.5#
51 45.5 28.2 42.4#
86 67.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.818 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 96 Resp: 81488

Ion Ratio Lower Upper

96 100

61 160.3 102.8 154.2#

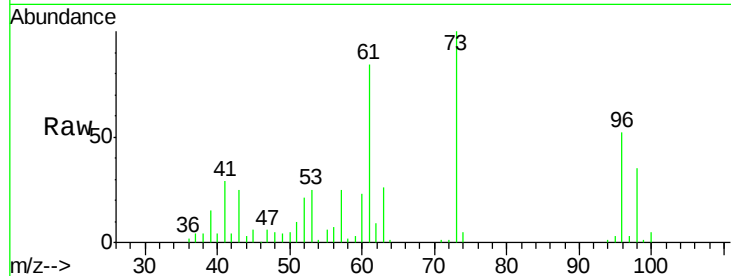
98 65.9 50.0 75.0

Manual Integrations

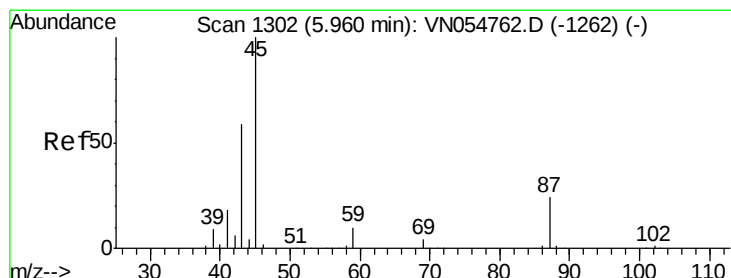
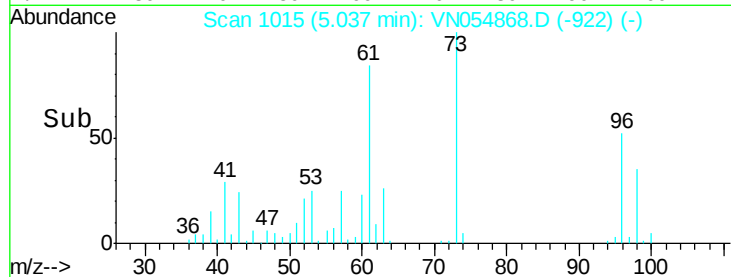
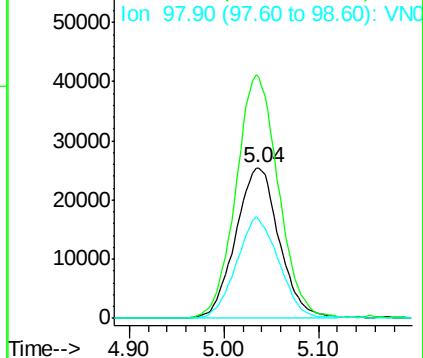
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 23.324 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion: 45 Resp: 323099

Ion Ratio Lower Upper

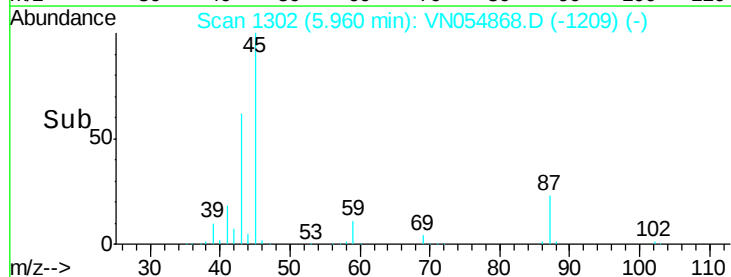
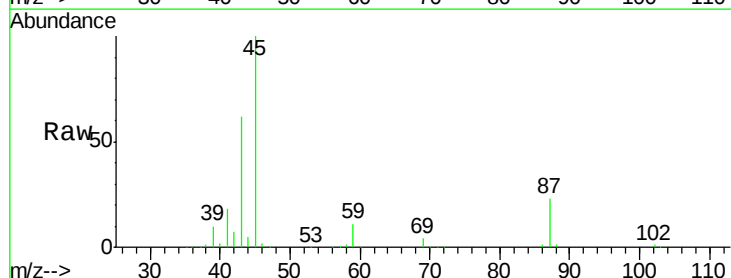
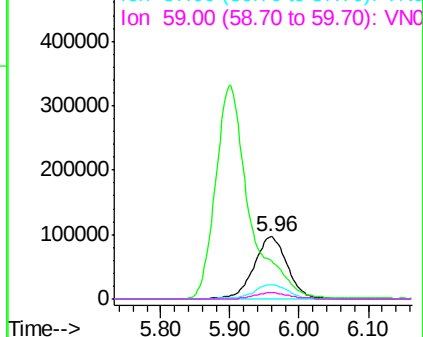
45 100

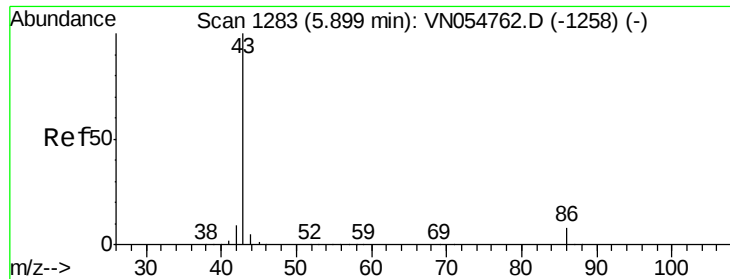
43 60.7 48.2 72.2

87 22.9 24.9 37.3#

59 10.6 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 117.072 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 43 Resp: 1128598

Ion Ratio Lower Upper

43 100

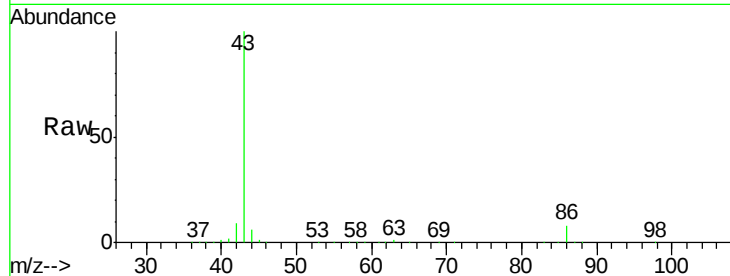
86 8.3 9.1 13.7#

Manual Integrations

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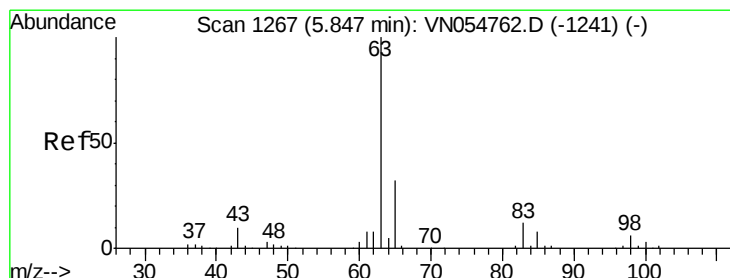
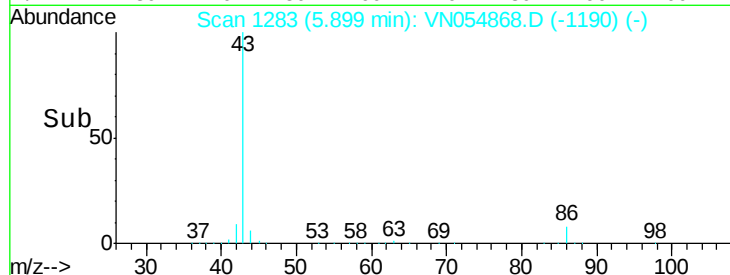
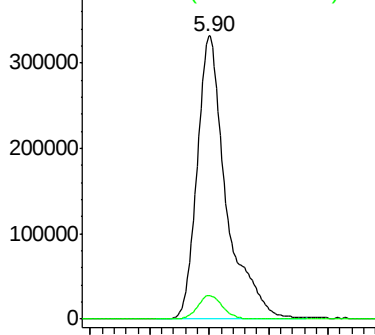
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.231 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

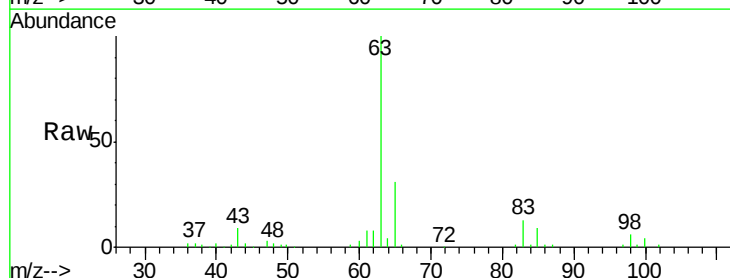
Tgt Ion: 63 Resp: 171670

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

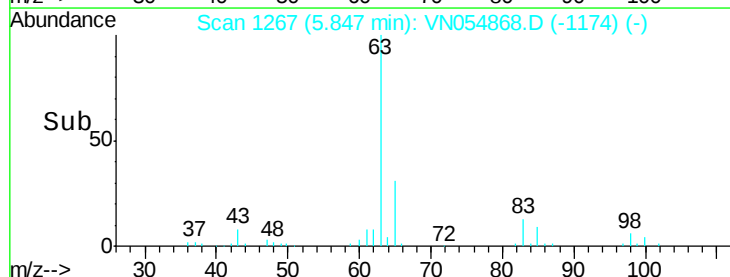
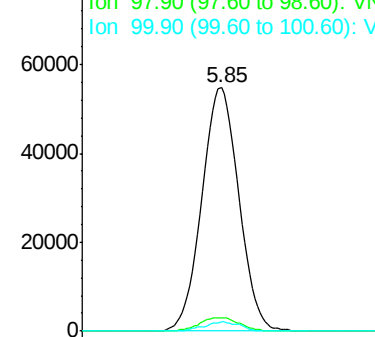
100 3.6 2.0 6.0

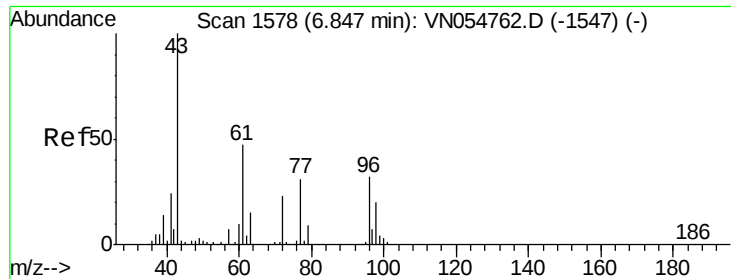


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





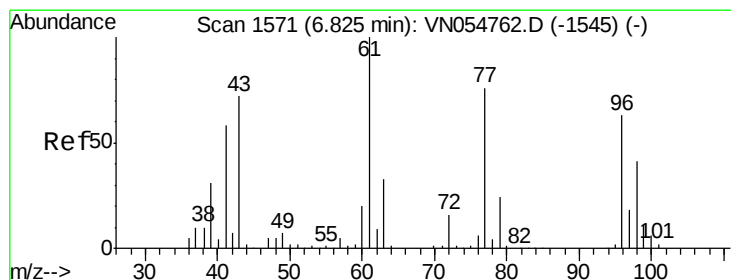
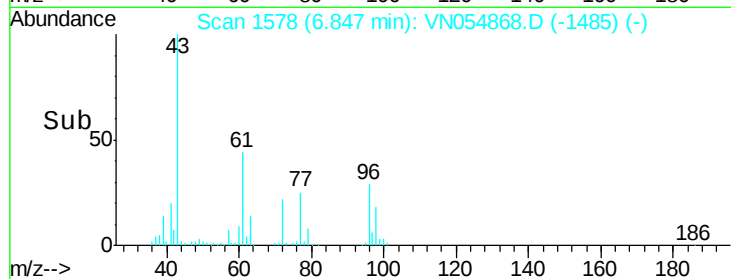
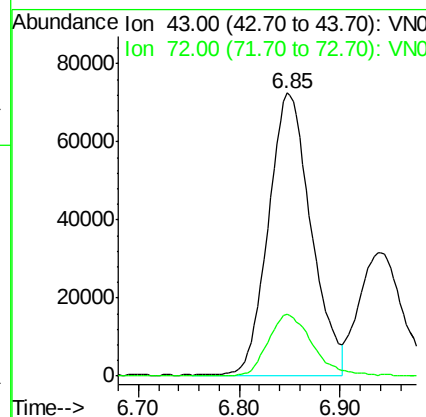
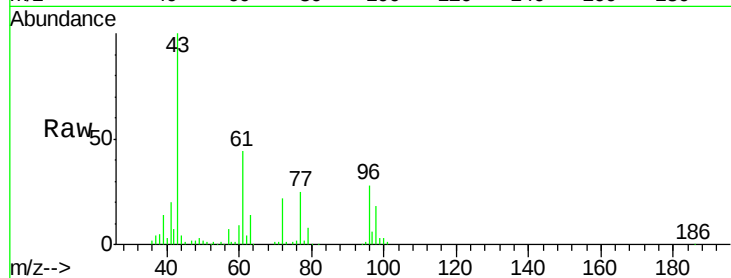
#25
2-Butanone
Concen: 123.214 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

Tot Ion: 43 Resp: 211795
Ion Ratio Lower Upper
43 100
72 21.8 23.0 34.6#

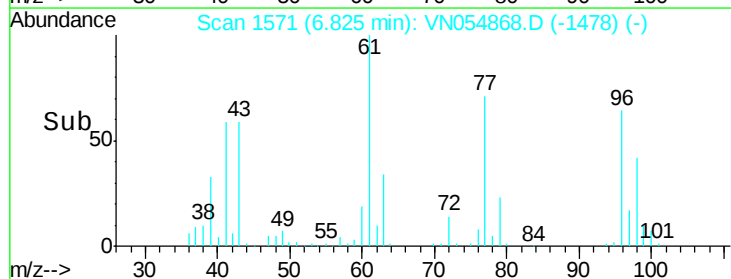
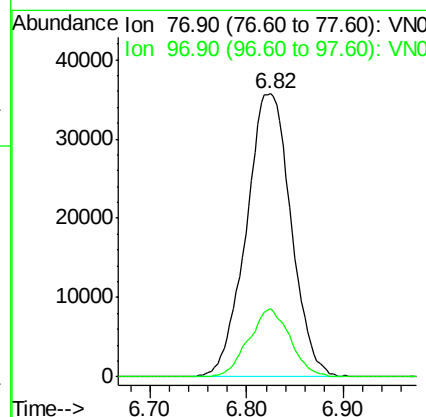
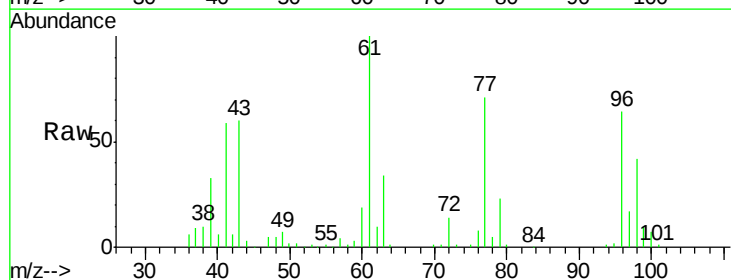
Manual Integrations
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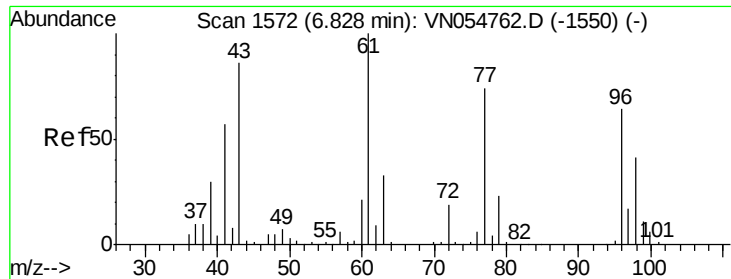
MMDadoda
4/2/2019 10:51:43 AM



#26
2,2-Dichloropropane
Concen: 22.151 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 77 Resp: 114728
Ion Ratio Lower Upper
77 100
97 22.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.983 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

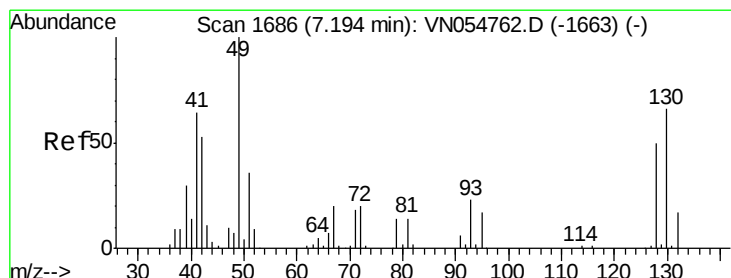
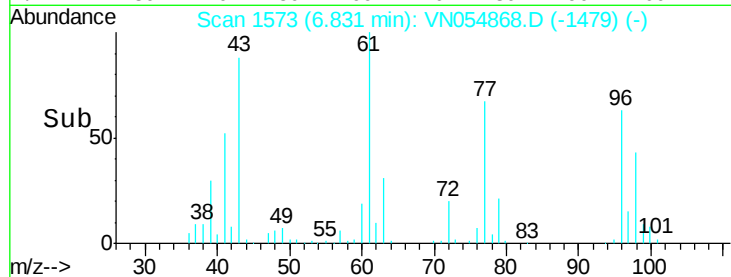
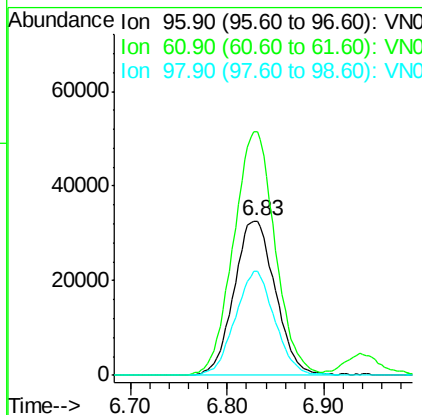
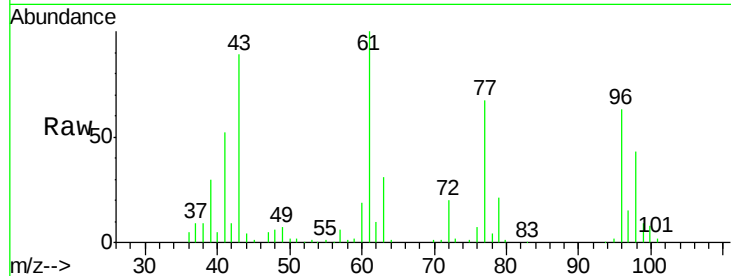
ClientSampleId :

VN0401MBS01

Tot Ion:	96	Resp:	96971
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	273.0
98	64.6	0.0	130.6

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#28

Bromochloromethane

Concen: 22.074 ug/l

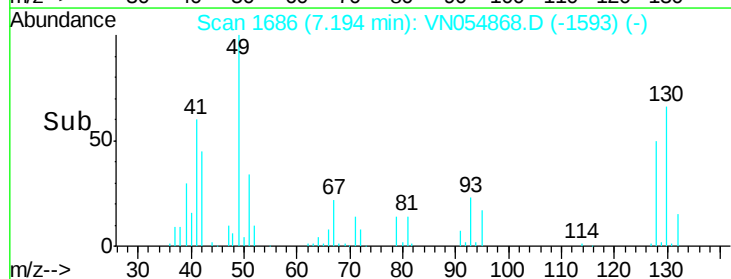
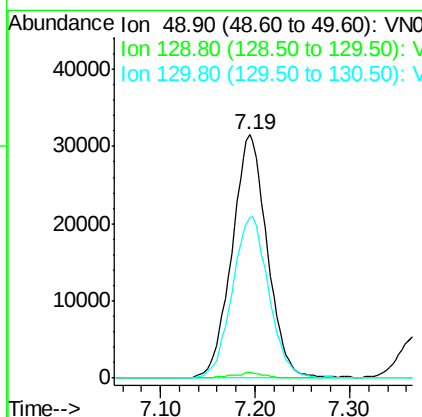
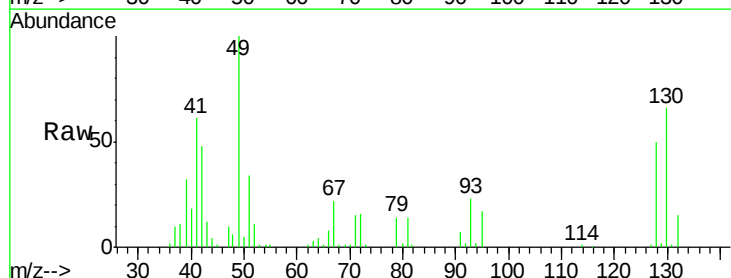
RT: 7.19 min Scan# 1686

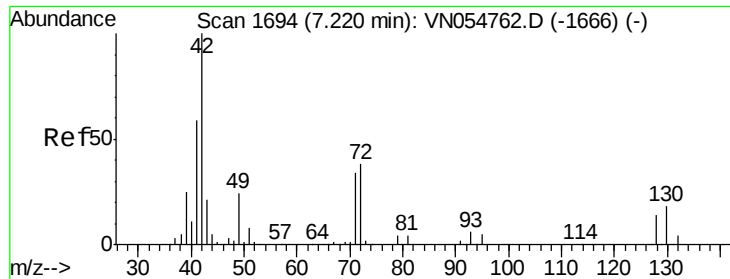
Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	49	Resp:	81566
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	68.2	76.7	115.1#





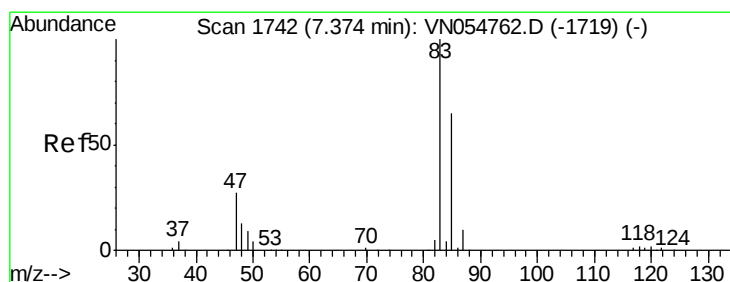
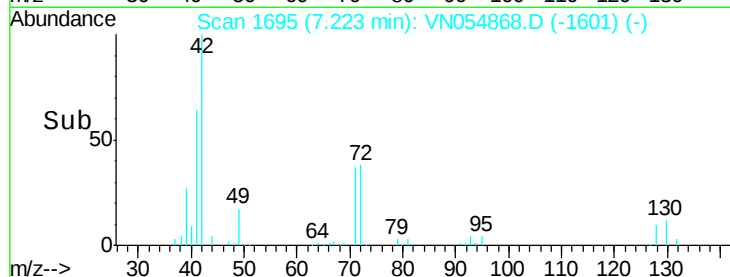
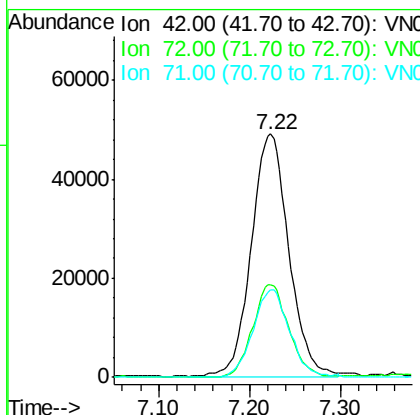
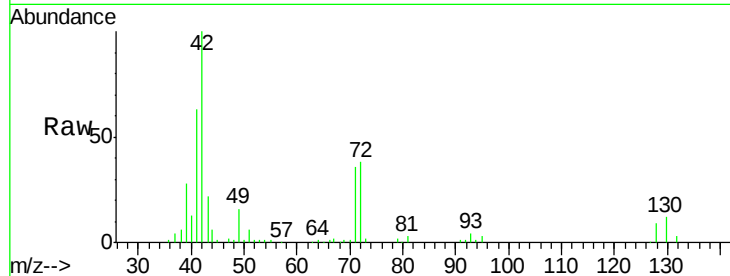
#29
Tetrahydrofuran
Concen: 117.083 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	37.8	56.6#
71	35.5	36.2	54.2#

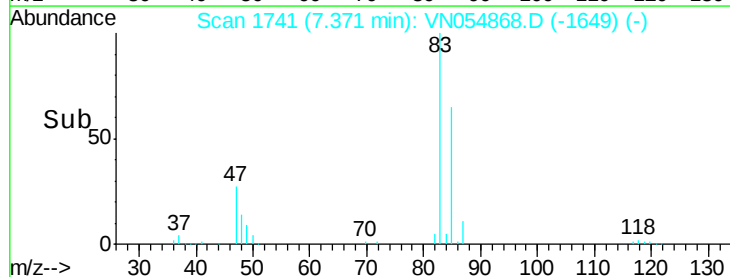
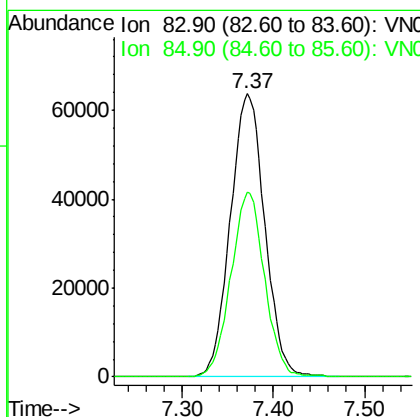
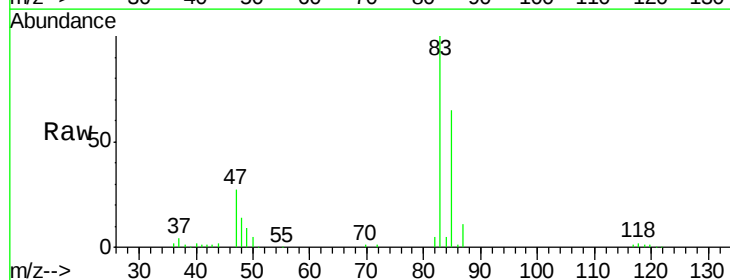
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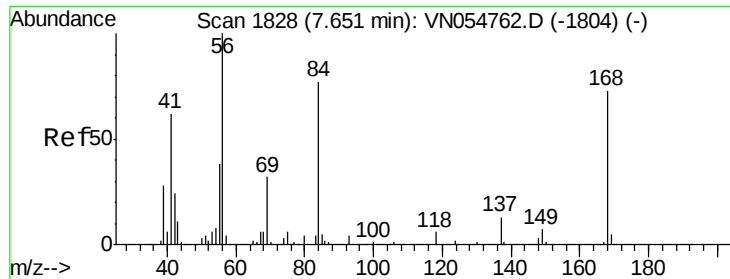
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4/2/2019 10:51:43 AM



#30
Chloroform
Concen: 23.771 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4





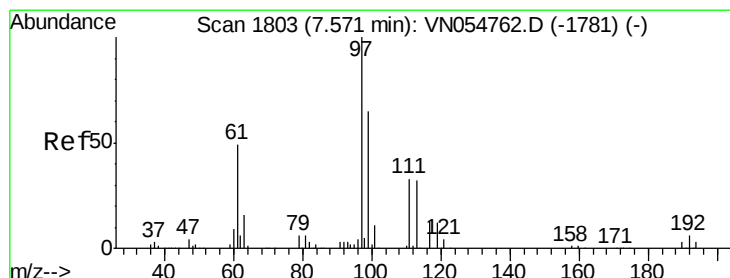
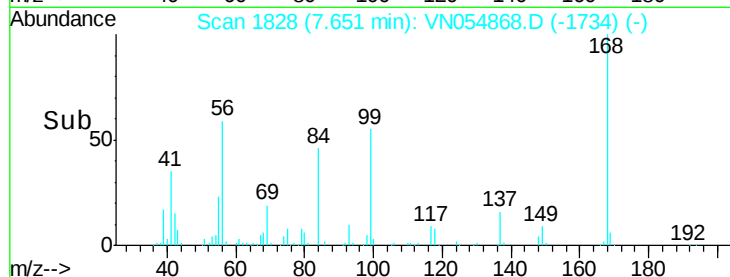
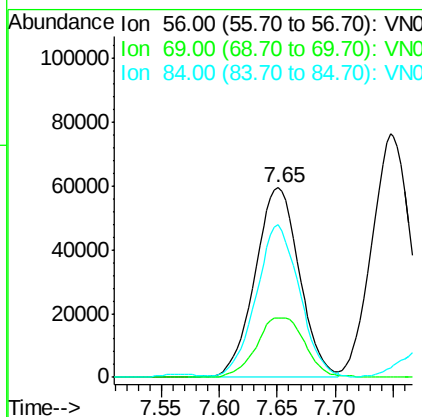
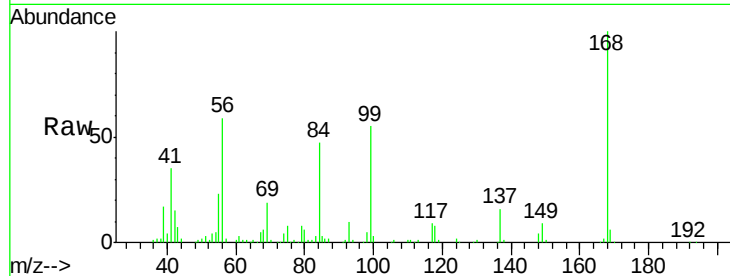
#31
Cyclohexane
Concen: 22.443 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.8	41.6
84	78.7	74.6	111.8

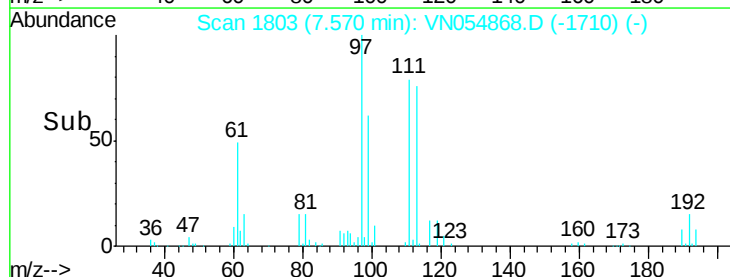
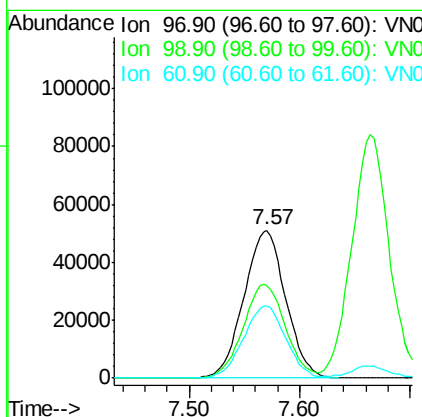
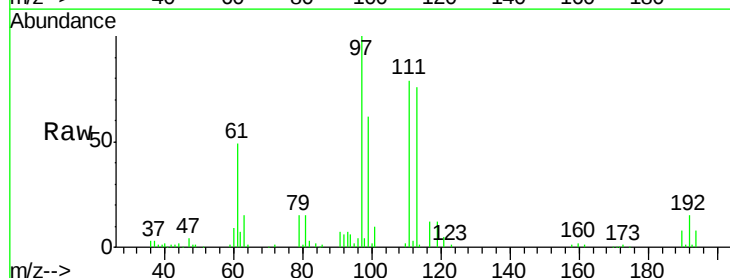
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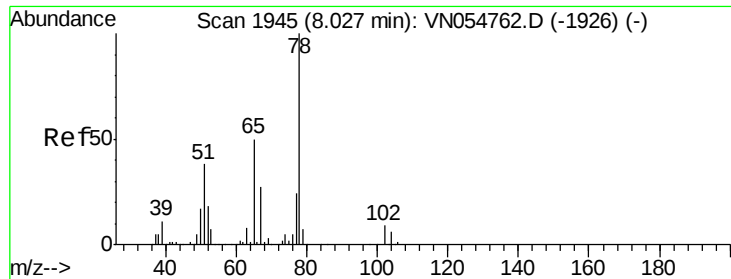
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#32
1,1,1-Trichloroethane
Concen: 22.922 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.4	33.6	50.4





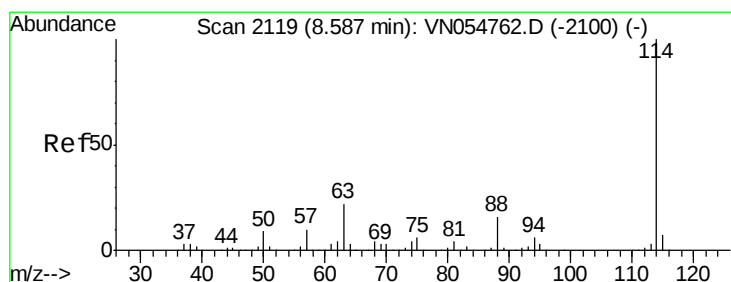
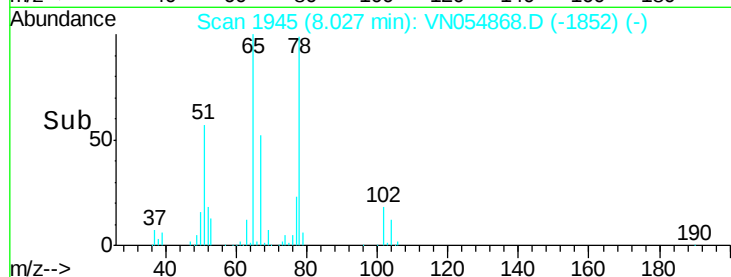
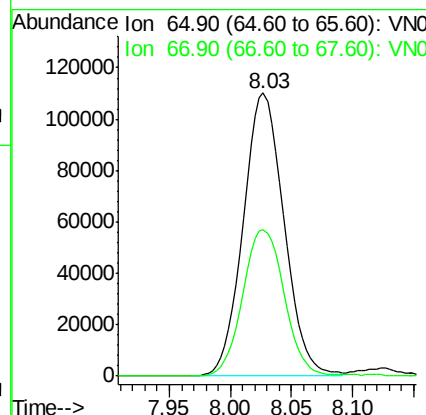
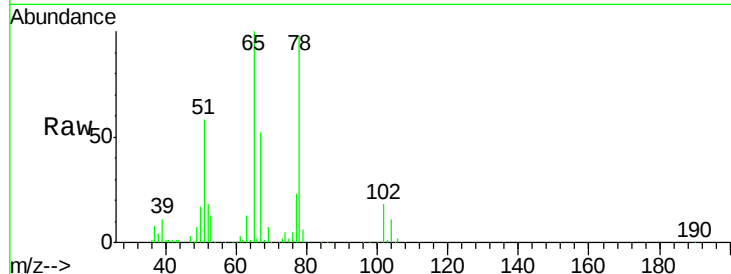
#33
 1,2-Dichloroethane-d4
 Concen: 52.346 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255261		
67	52.9	0.0	104.6	

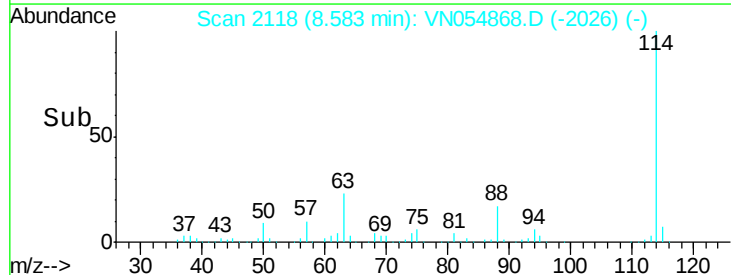
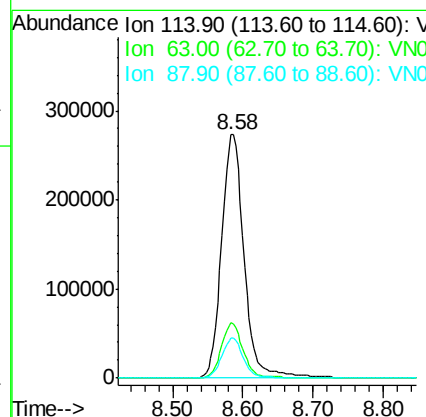
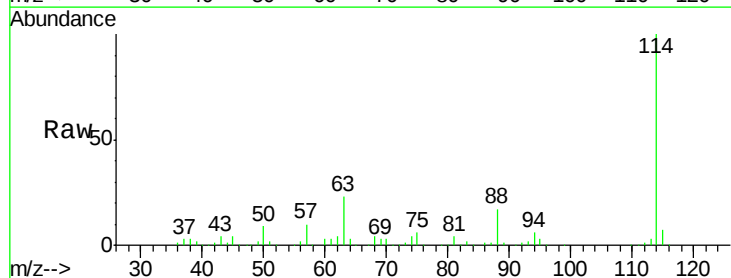
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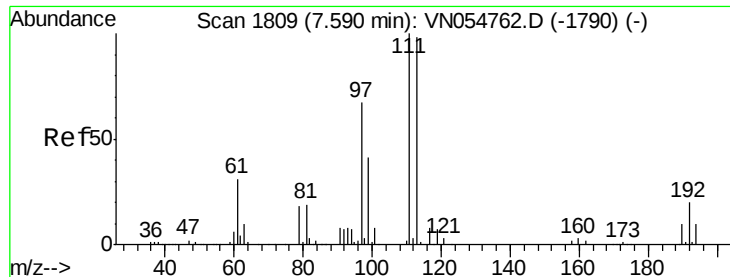
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	610535		
63	22.8	0.0	35.2	
88	16.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.924 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

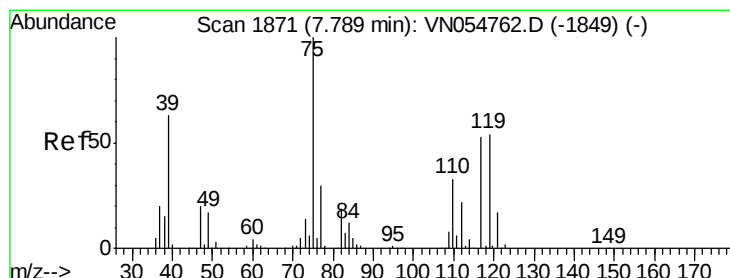
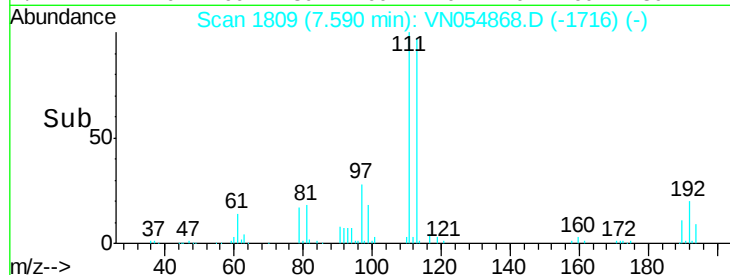
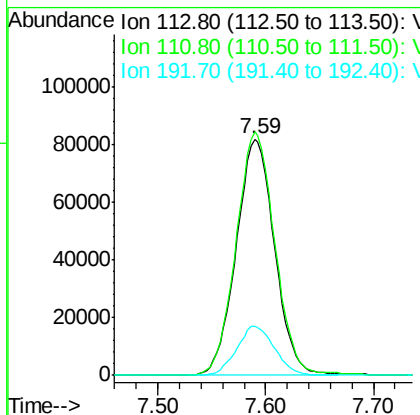
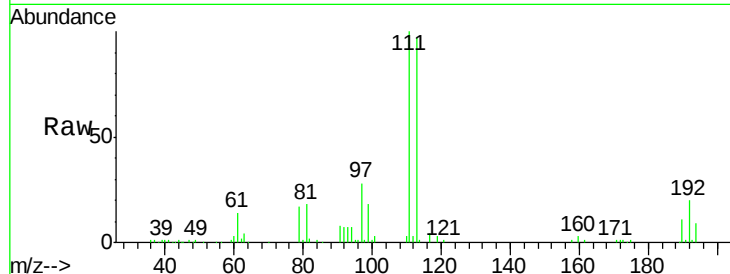
ClientSampled :

VN0401MBS01

Tot Ion:	113	Resp:	203211
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.4
192	20.5	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 21.339 ug/l

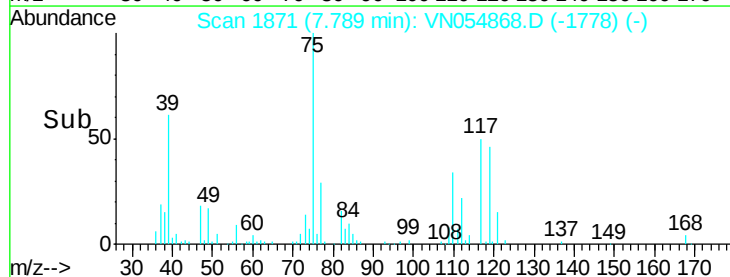
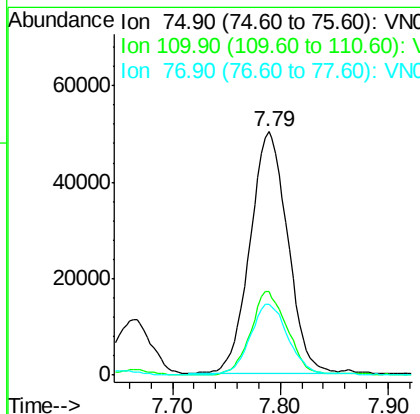
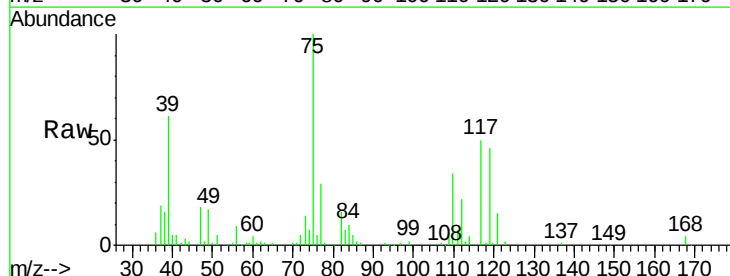
RT: 7.79 min Scan# 1871

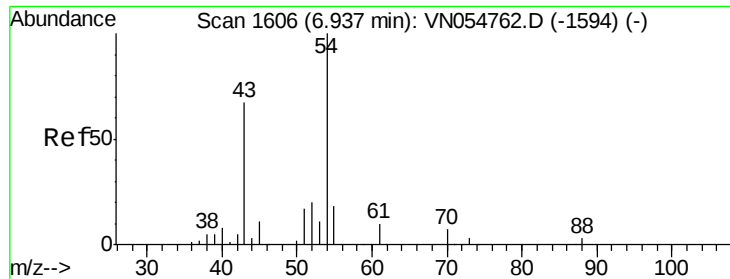
Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	75	Resp:	121395
Ion Ratio	Lower	Upper	
75	100		
110	33.7	19.1	57.5
77	30.1	25.0	37.4





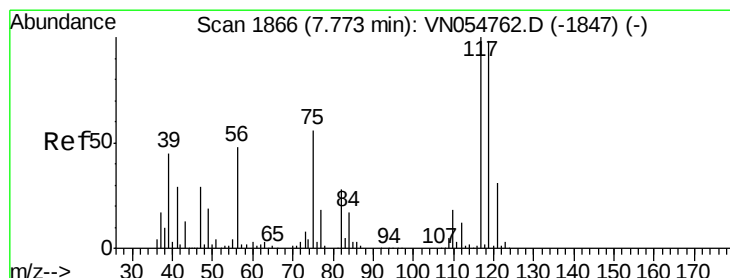
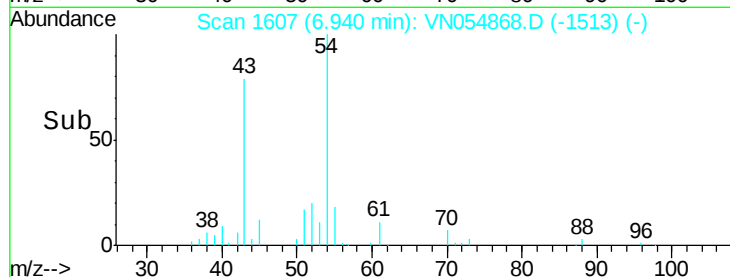
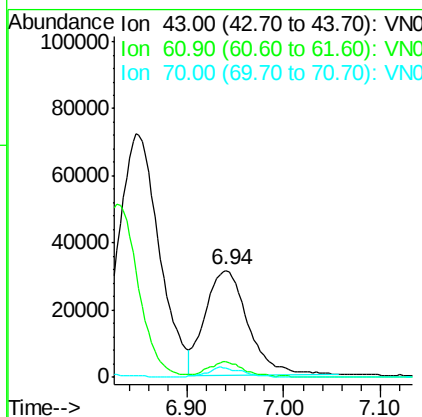
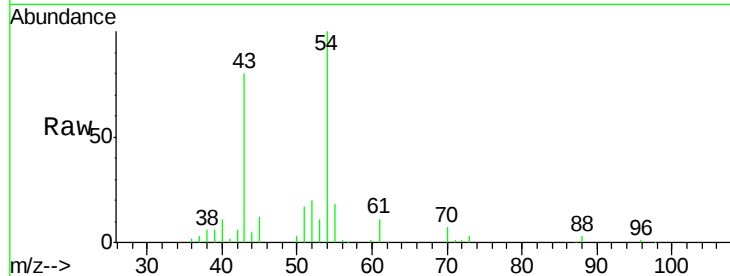
#37
Ethyl Acetate
Concen: 23.170 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	11.8	17.6#
70	8.2	8.4	12.6#

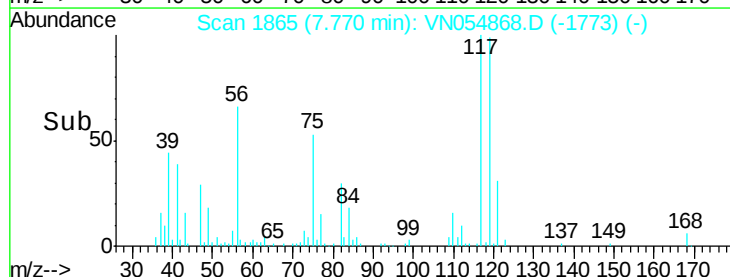
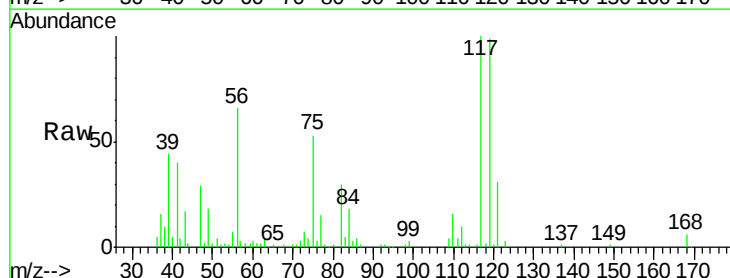
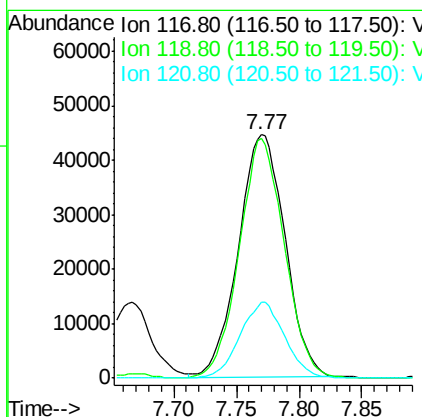
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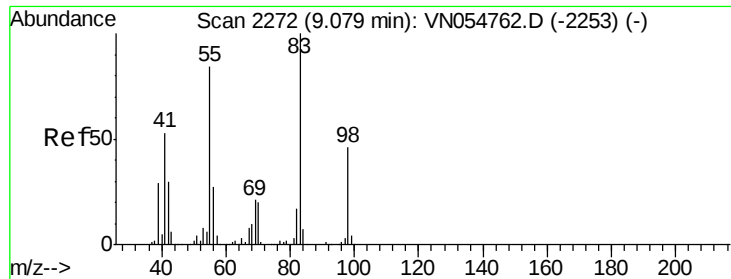
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#38
Carbon Tetrachloride
Concen: 20.830 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.3	114.5
121	31.1	24.6	36.8





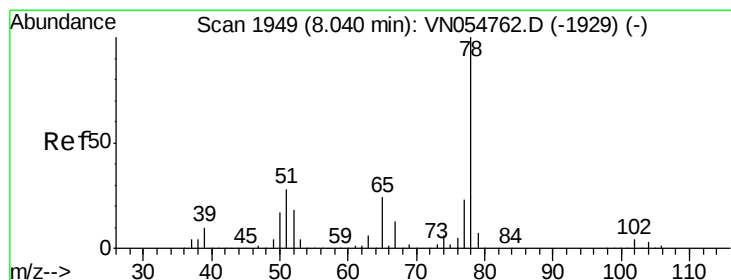
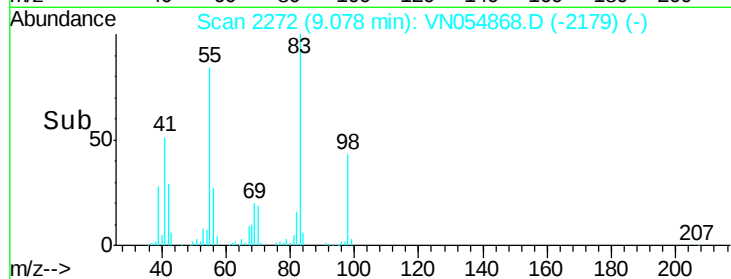
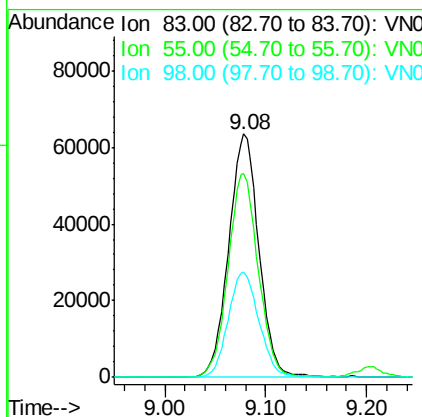
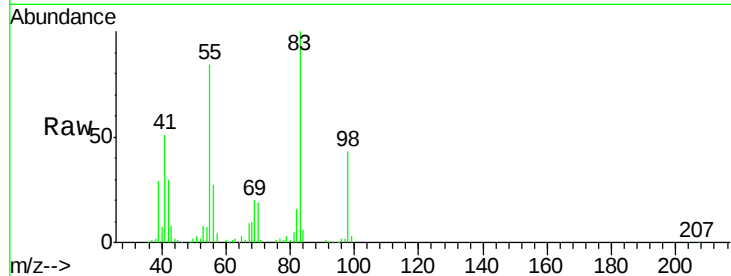
#39
Methvlcvclohexane
Concen: 21.156 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.9	56.6	84.8	
98	43.1	38.4	57.6	

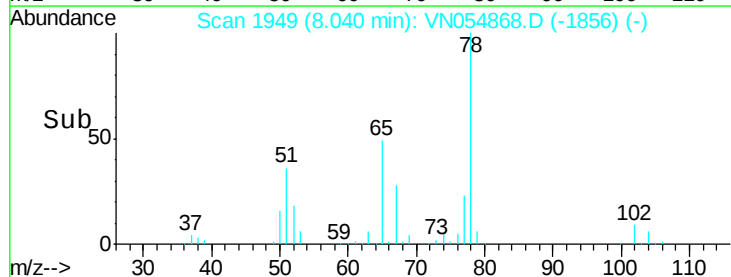
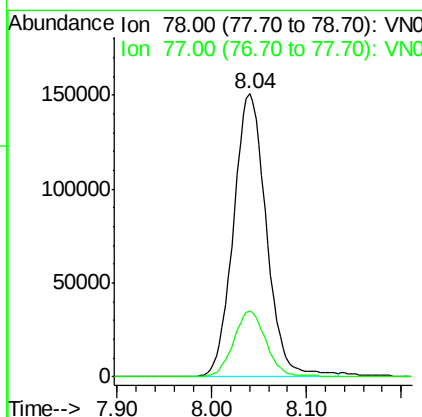
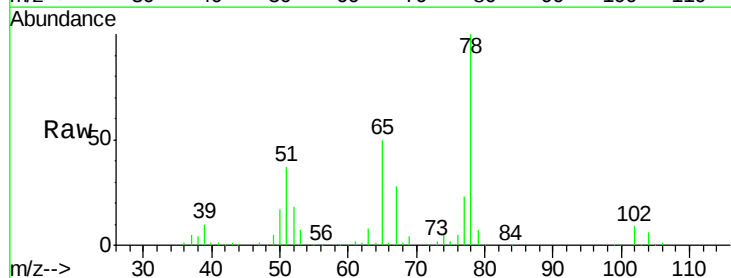
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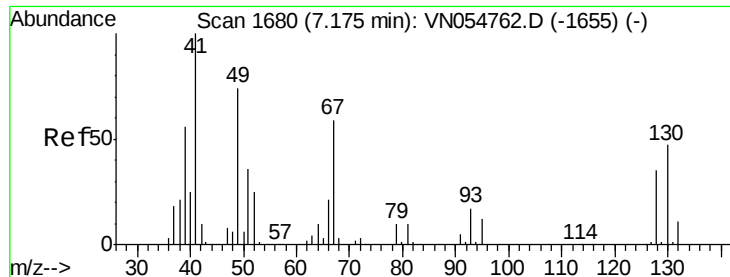
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#40
Benzene
Concen: 22.436 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.1	28.7	





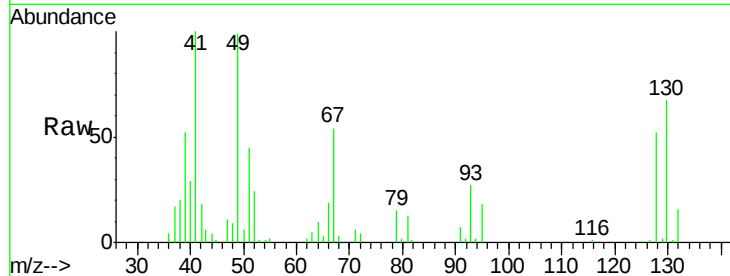
#41
Methacrylonitrile
Concen: 23.684 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	41	Resp	55506
Ion	Ratio	Lower	Upper
41	100		
39	55.1	46.8	70.2
67	67.3	67.0	100.4
52	30.4	26.5	39.7

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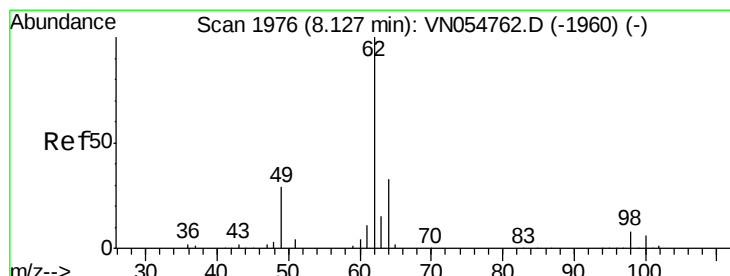
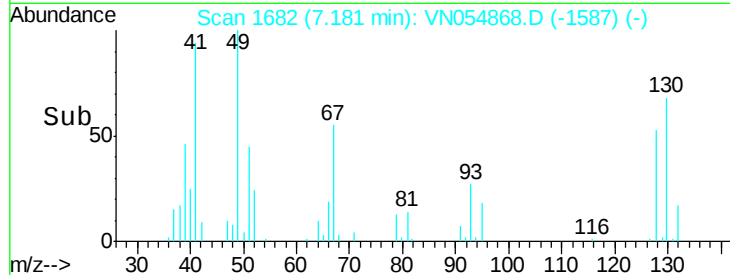
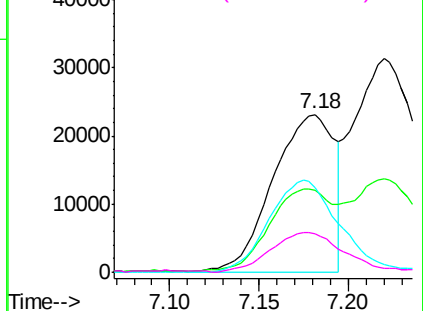
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

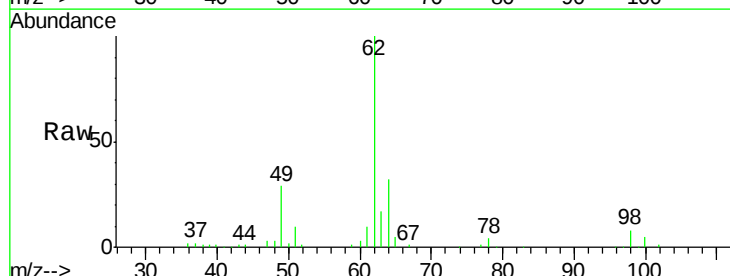
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 22.407 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

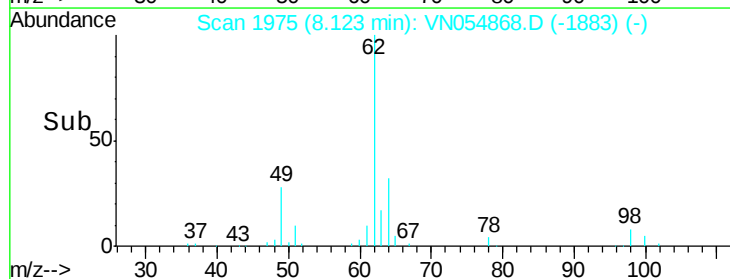
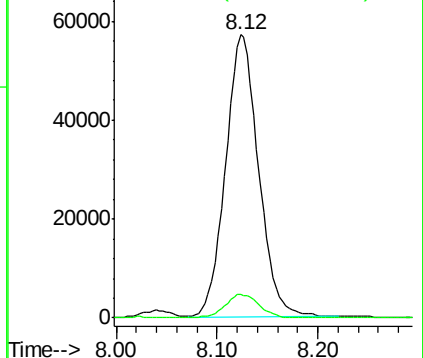
Tgt Ion	62	Resp	130237
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.4

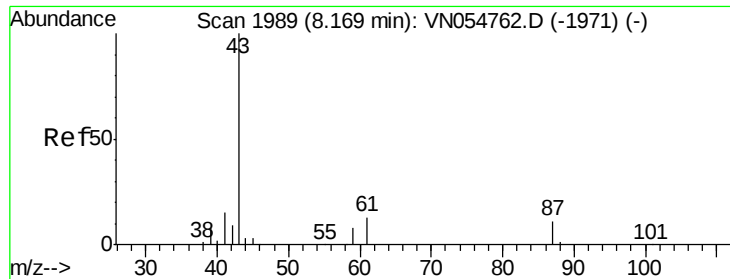


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 22.829 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

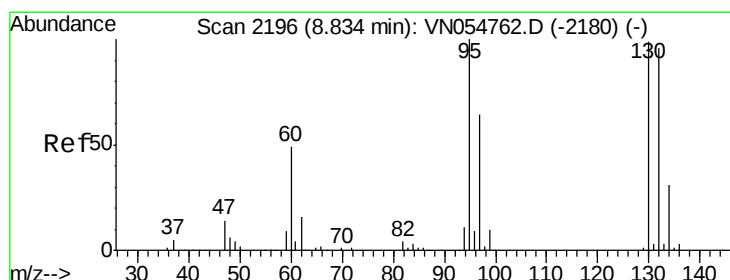
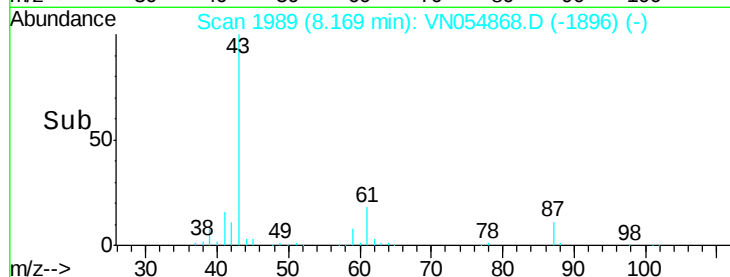
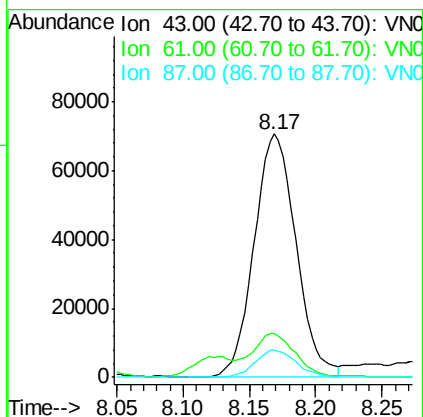
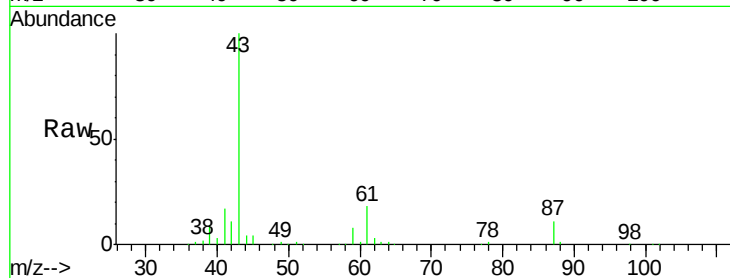
ClientSampleId :

VN0401MBS01

Tot Ion:	43	Resp:	154752
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.8	23.8
87	11.1	12.0	18.0#

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#44

Trichloroethene

Concen: 22.218 ug/l

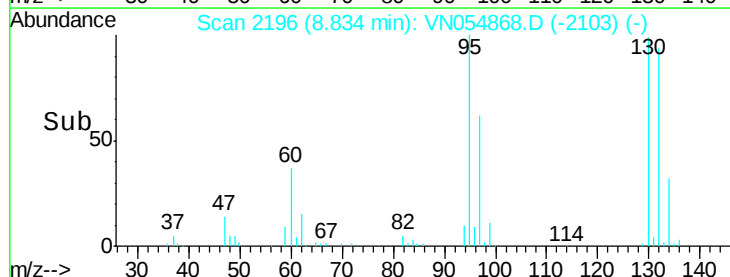
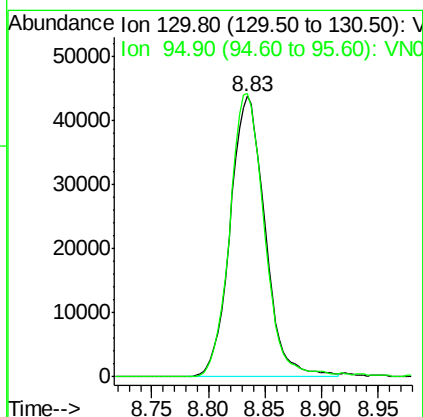
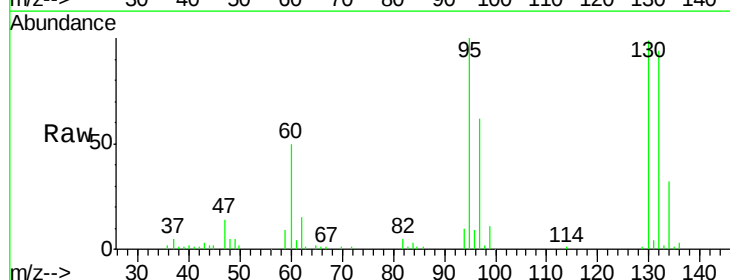
RT: 8.83 min Scan# 2196

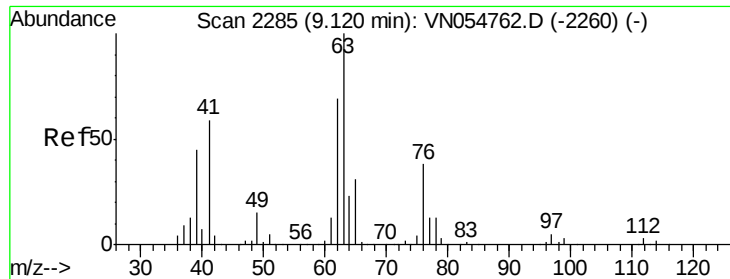
Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	130	Resp:	93888
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	185.2





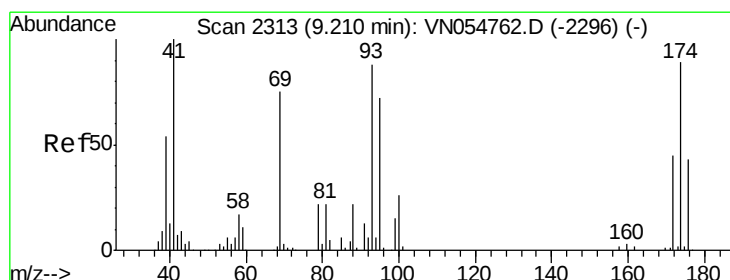
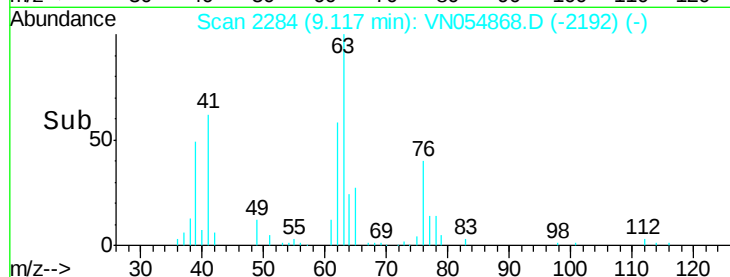
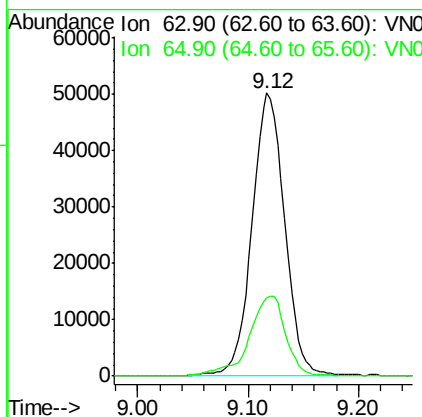
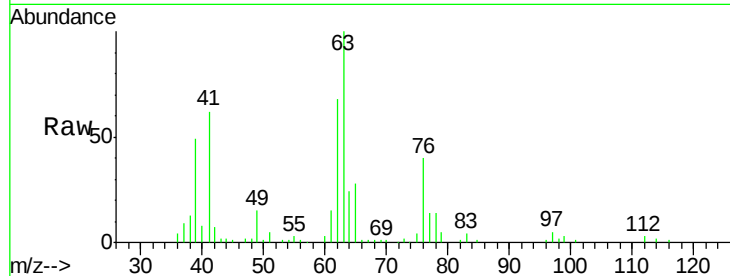
#45
 1,2-Dichloropropane
 Concen: 22.237 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion: 63 Resp: 103216
 Ion Ratio Lower Upper
 63 100
 65 27.6 25.0 37.6

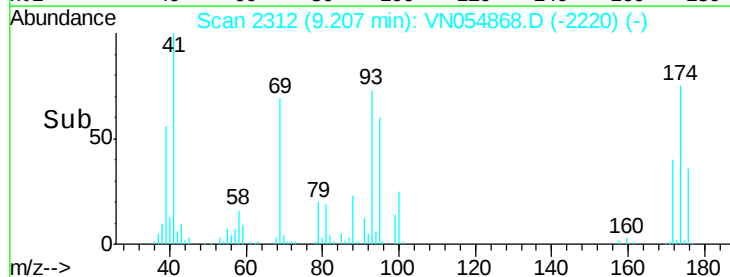
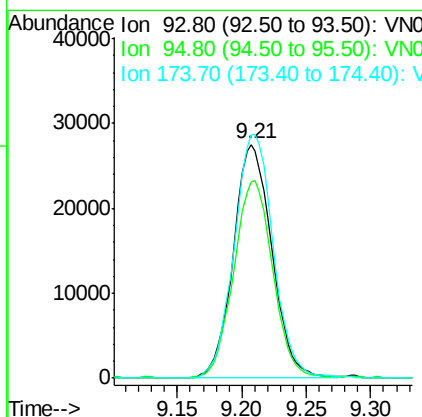
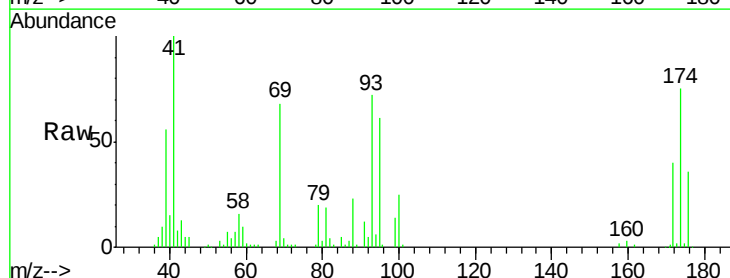
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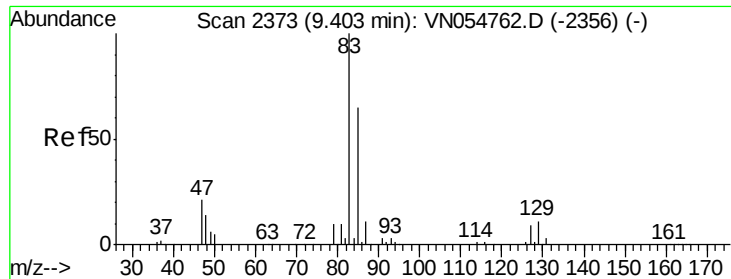
MMDadoda
 4/2/2019 10:51:43 AM



#46
 Dibromomethane
 Concen: 21.951 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 93 Resp: 57316
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.7 100.1
 174 106.0 98.5 147.7





#47

Bromodichloromethane

Concen: 22.521 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

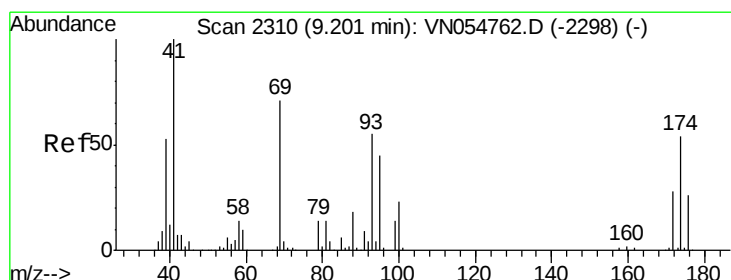
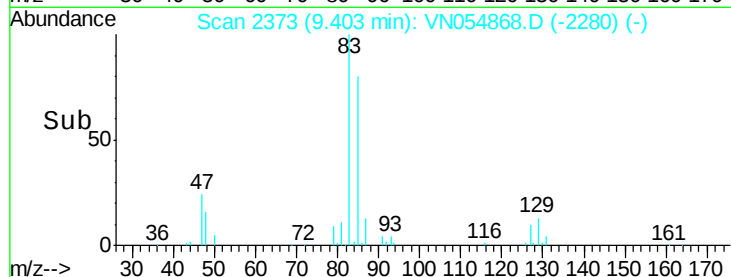
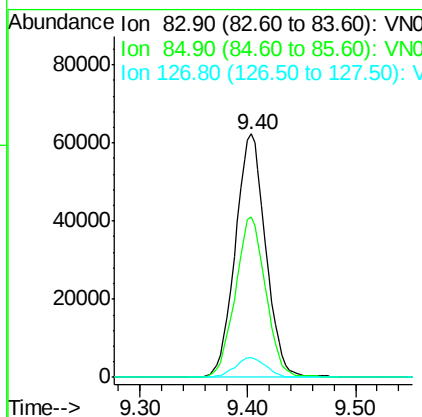
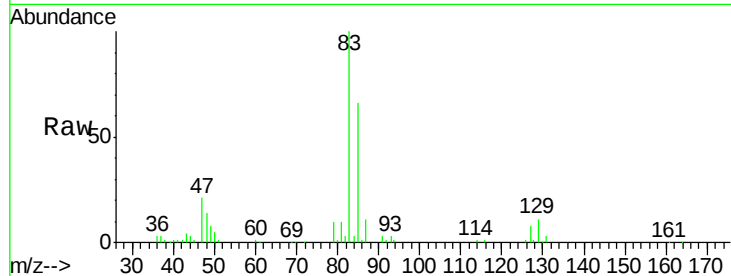
ClientSampleId :

VN0401MBS01

Tot Ion:	83	Resp:	122211
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.8	79.2
127	7.9	7.4	11.2

Manual Integrations
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MMDadoda
4/2/2019 10:51:43 AM



#48

Methyl methacrylate

Concen: 21.612 ug/l

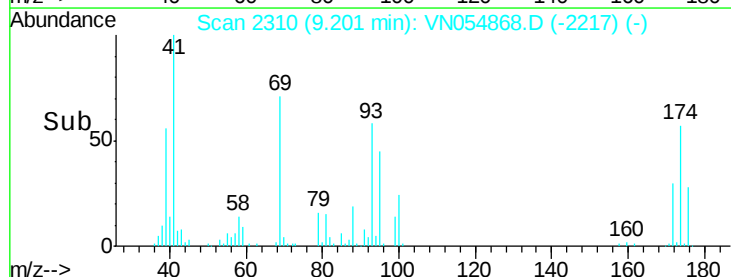
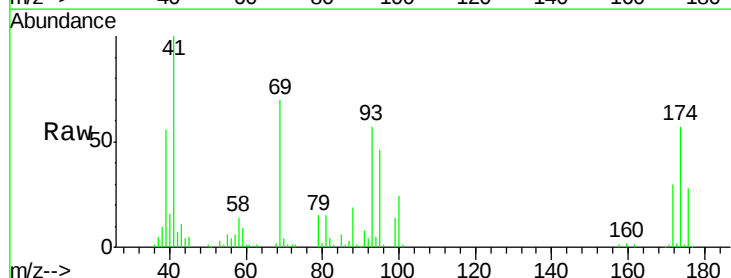
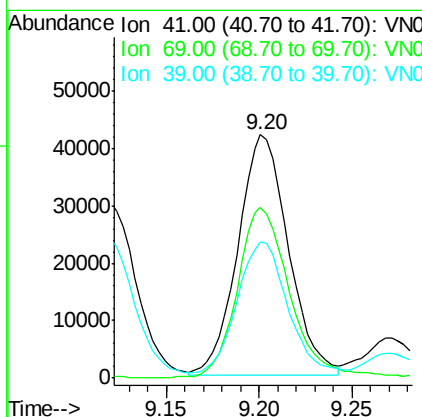
RT: 9.20 min Scan# 2310

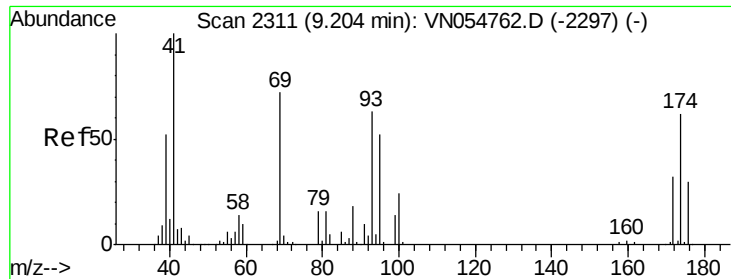
Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	41	Resp:	79415
Ion Ratio	Lower	Upper	
41	100		
69	74.3	72.6	108.8
39	57.9	47.5	71.3





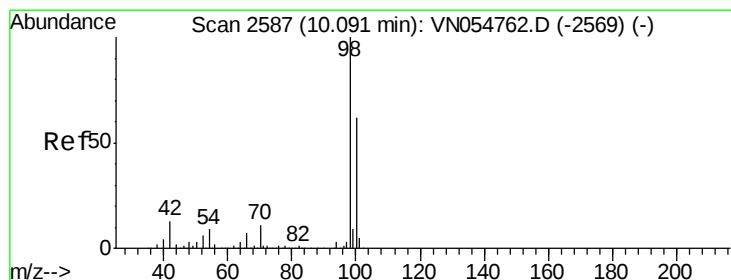
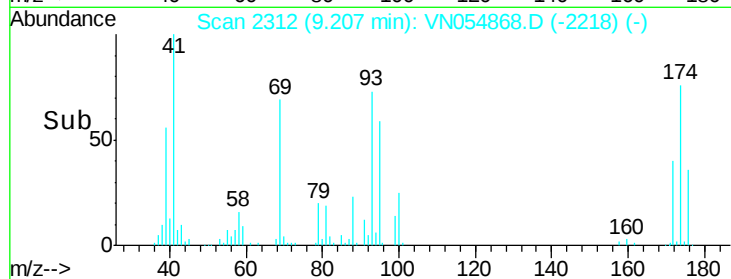
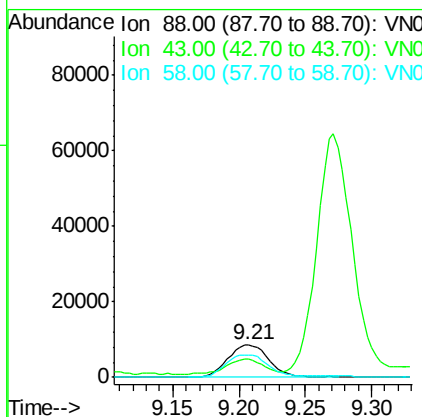
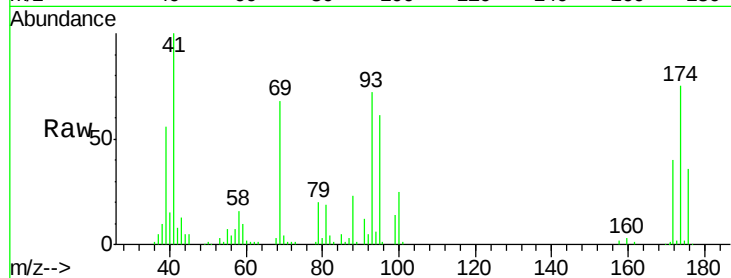
#49
1,4-Dioxane
Concen: 512.177 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	88	Resp	18674
Ion	Ratio	Lower	Upper
88	100		
43	44.2	24.1	36.1#
58	73.0	50.8	76.2

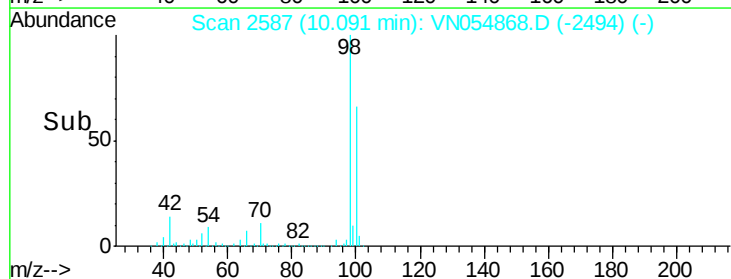
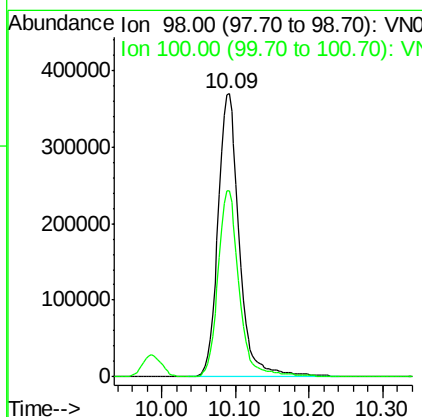
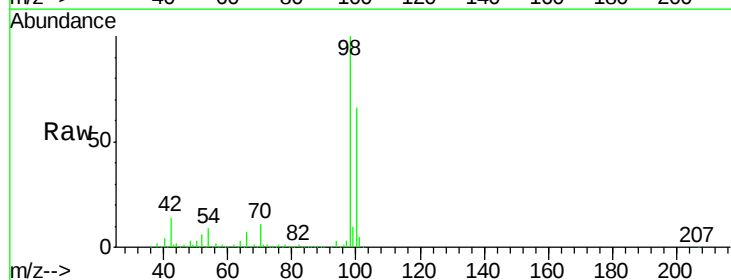
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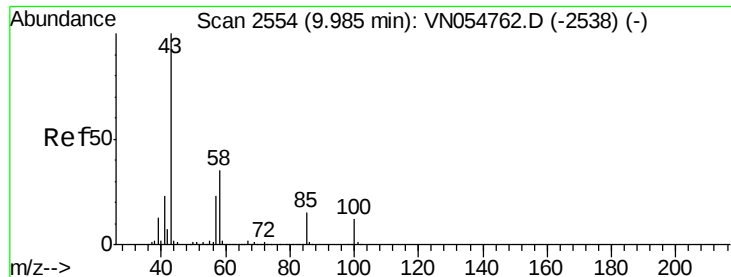
MMDadoda
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#50
Toluene-d8
Concen: 48.898 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	98	Resp	739969
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 115.689 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 43 Resp: 440911

Ion Ratio Lower Upper

43 100

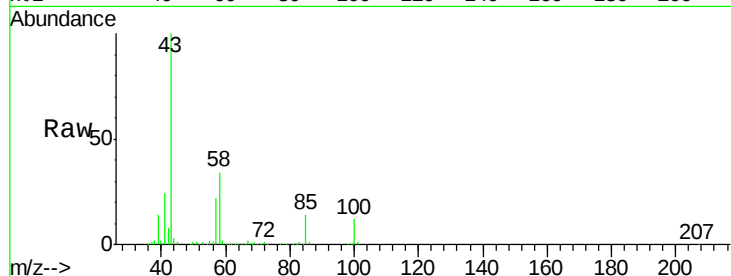
58 34.7 31.8 47.6

Manual Integrations

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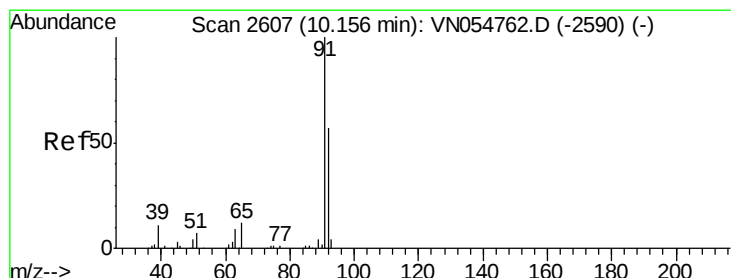
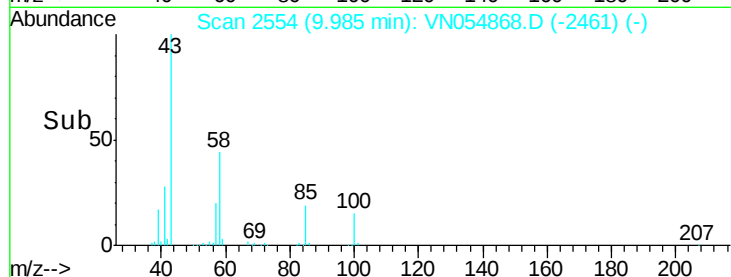
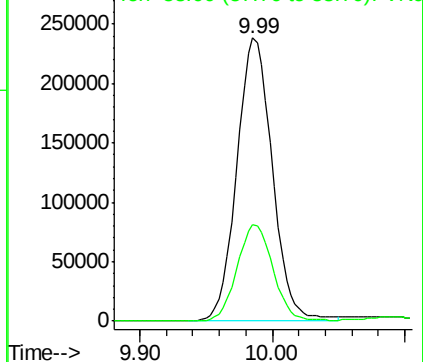
MMDadoda

4/2/2019 10:51:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 22.013 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054868.D

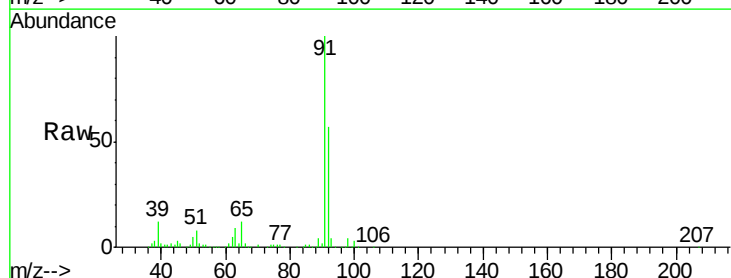
Acq: 1 Apr 2019 12:26

Tgt Ion: 92 Resp: 213226

Ion Ratio Lower Upper

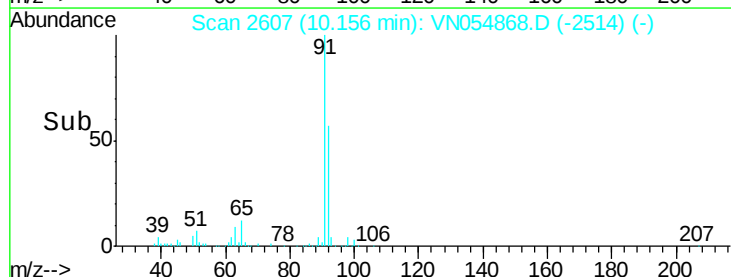
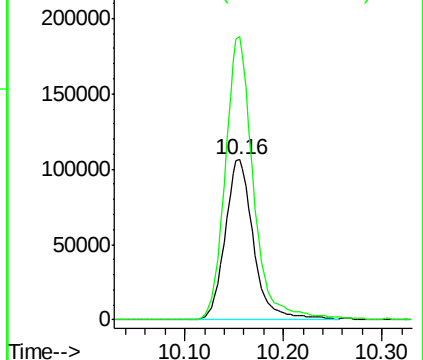
92 100

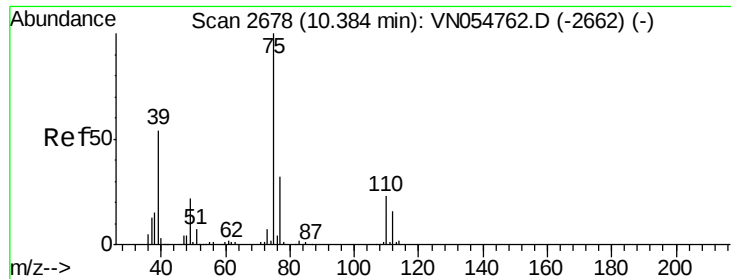
91 177.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





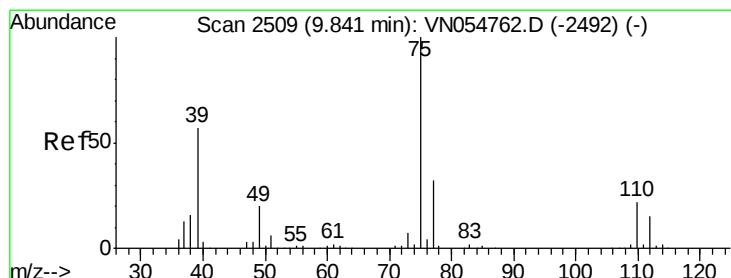
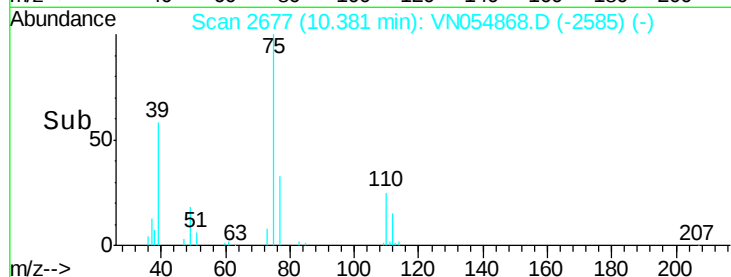
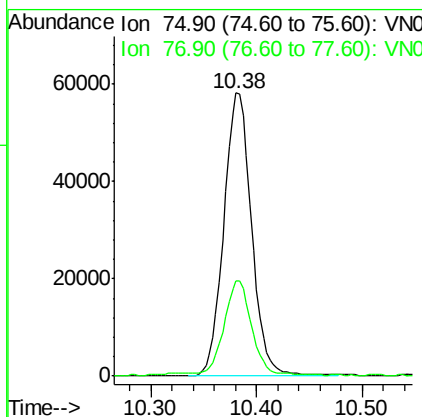
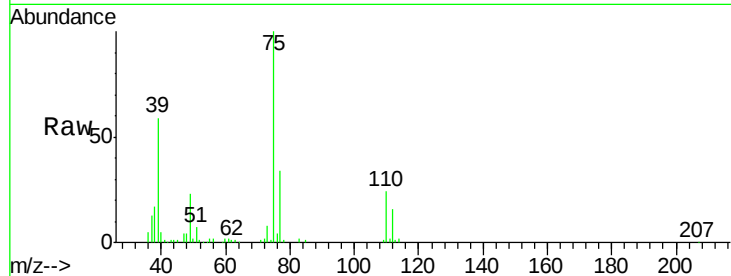
#53
t-1,3-Dichloropropene
Concen: 20.850 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 75 Resp: 106432
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.8

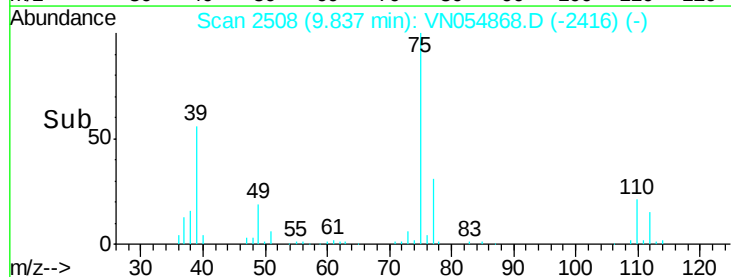
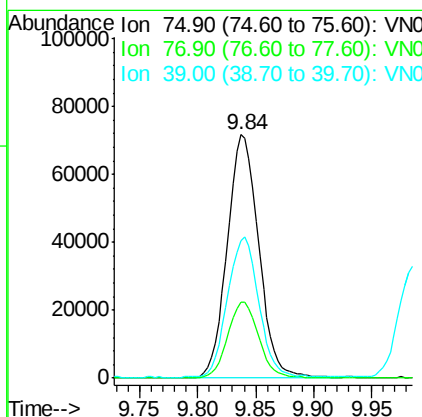
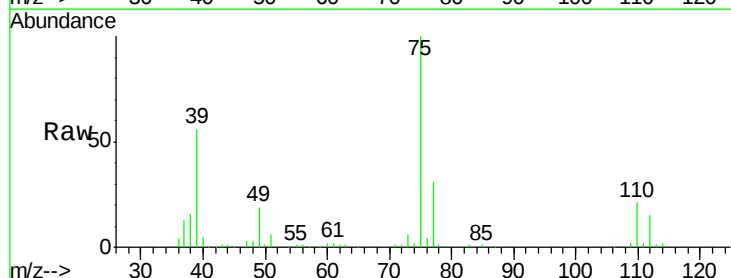
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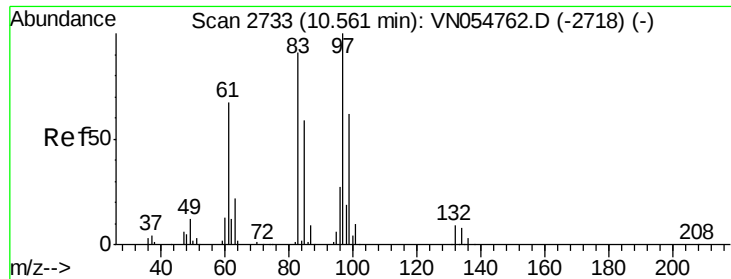
MMDadoda
4/2/2019 10:51:43 AM



#54
cis-1,3-Dichloropropene
Concen: 22.121 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 75 Resp: 134892
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 55.7 37.2 55.8





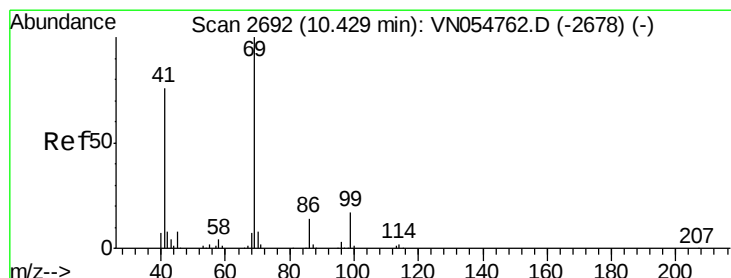
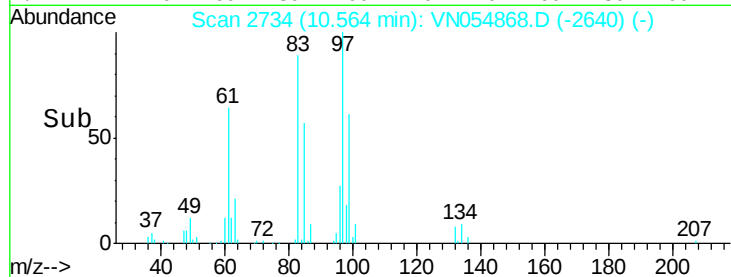
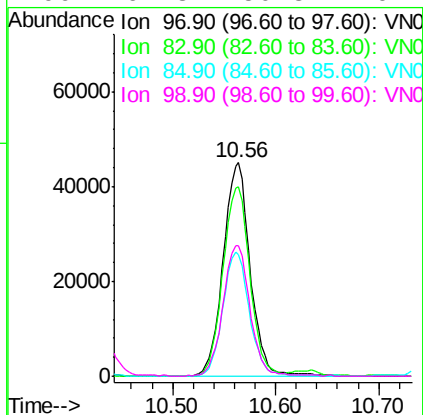
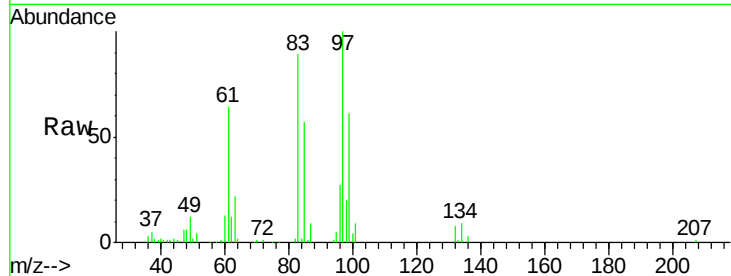
#55
 1,1,2-Trichloroethane
 Concen: 22.871 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion:	97	Resp:	82374
Ion	Ratio	Lower	Upper
97	100		
83	88.7	66.6	100.0
85	56.9	44.4	66.6
99	61.3	50.8	76.2

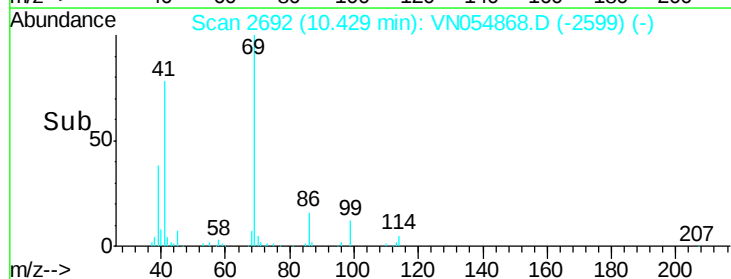
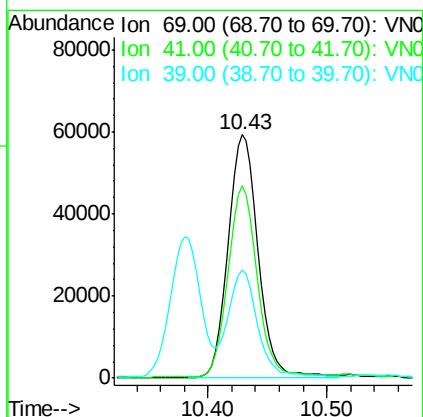
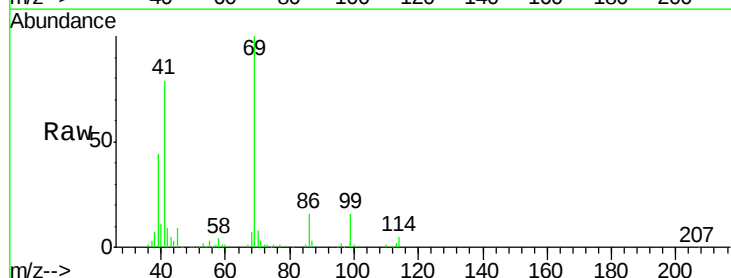
Manual Integrations
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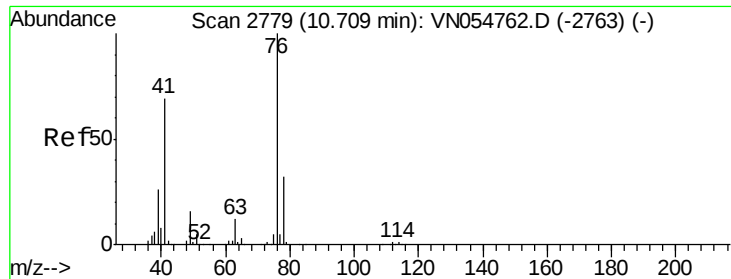
MMDadoda
 4/2/2019 10:51:43 AM



#56
 Ethyl methacrylate
 Concen: 22.103 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion:	69	Resp:	104432
Ion	Ratio	Lower	Upper
69	100		
41	75.7	49.4	74.2#
39	42.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 23.170 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 76 Resp: 143471

Ion Ratio Lower Upper

76 100

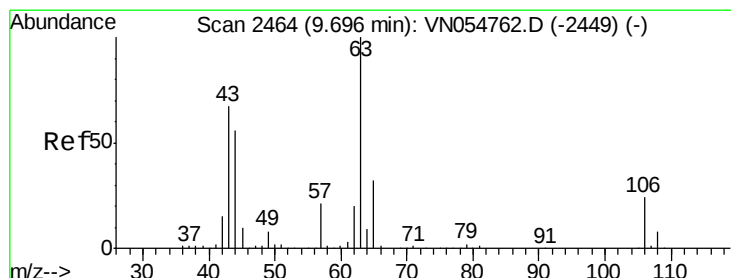
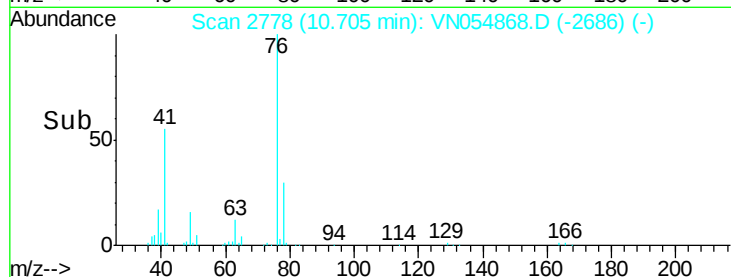
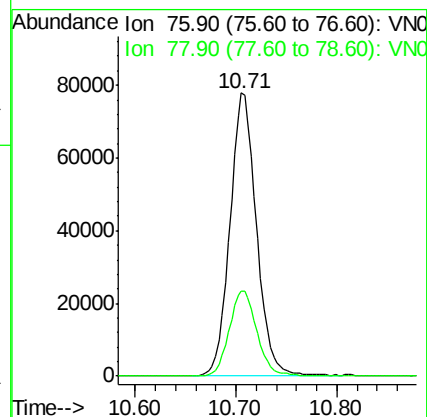
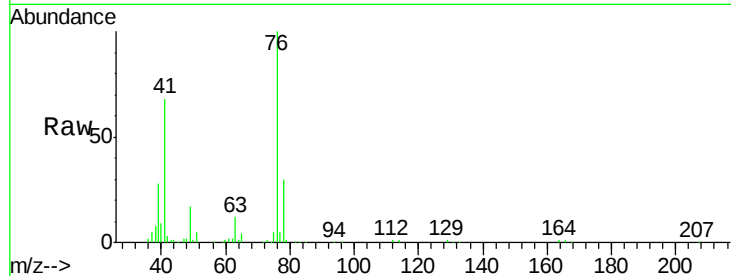
78 31.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/2/2019 10:51:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.569 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054868.D

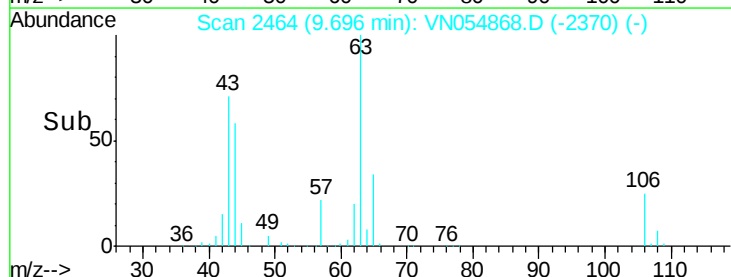
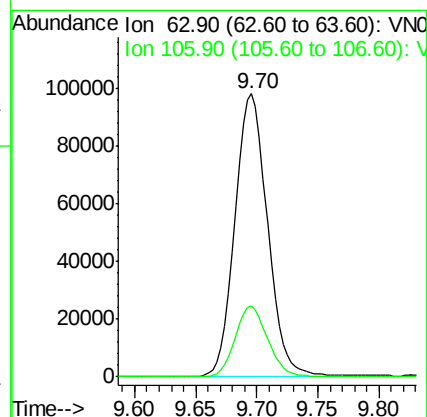
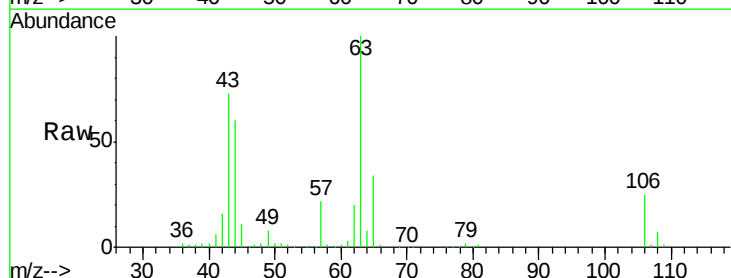
Acq: 1 Apr 2019 12:26

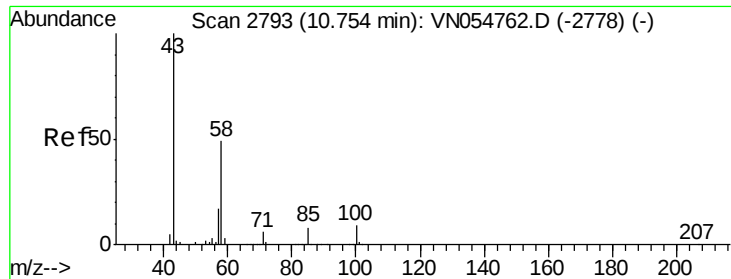
Tgt Ion: 63 Resp: 183046

Ion Ratio Lower Upper

63 100

106 24.8 24.4 36.6





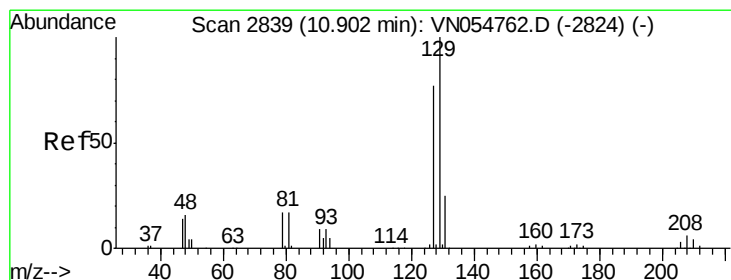
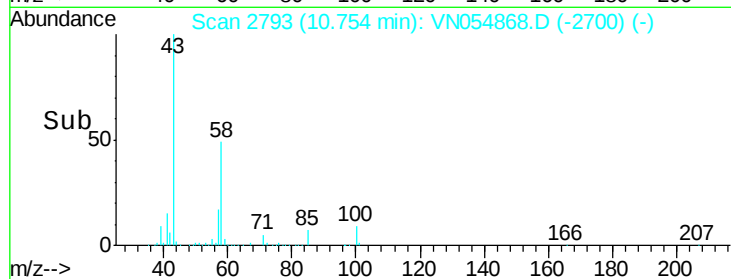
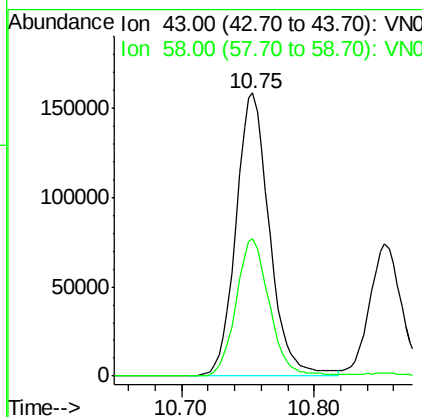
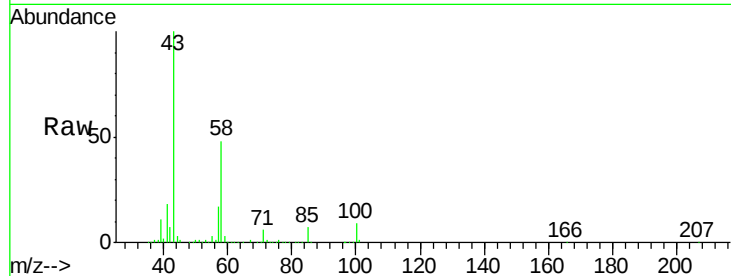
#59
2-Hexanone
Concen: 112.742 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 43 Resp: 275063
Ion Ratio Lower Upper
43 100
58 48.5 28.0 83.9

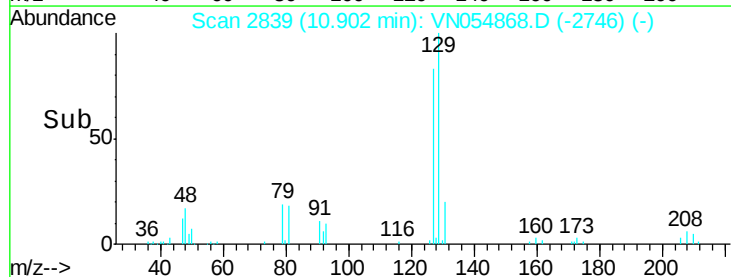
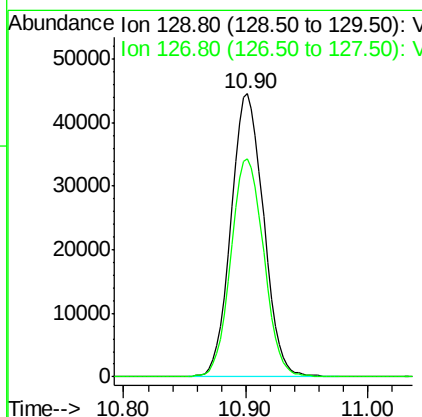
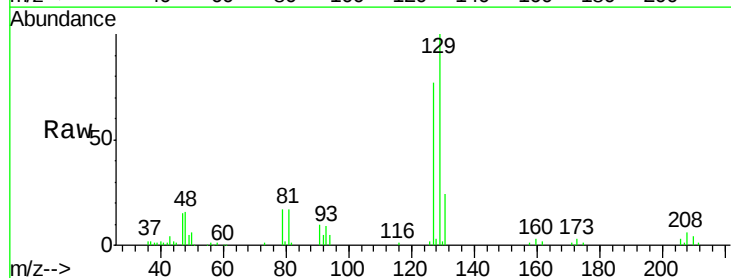
Manual Integrations
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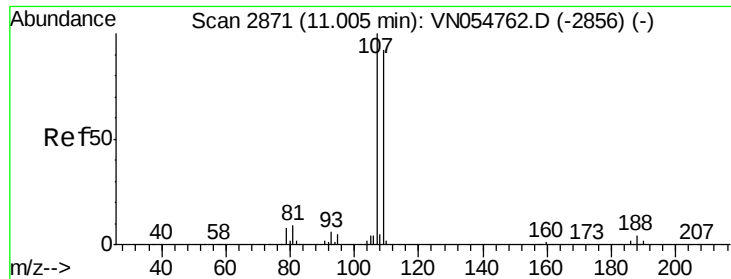
MMDadoda
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#60
Dibromochloromethane
Concen: 22.733 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 129 Resp: 82941
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





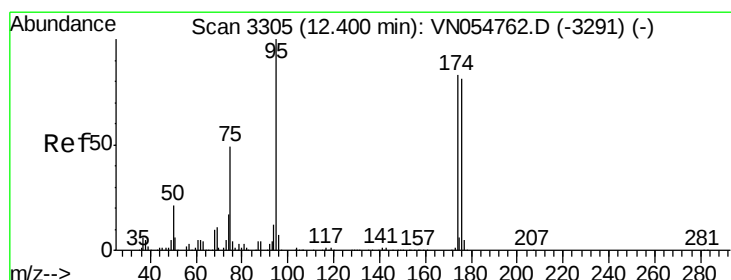
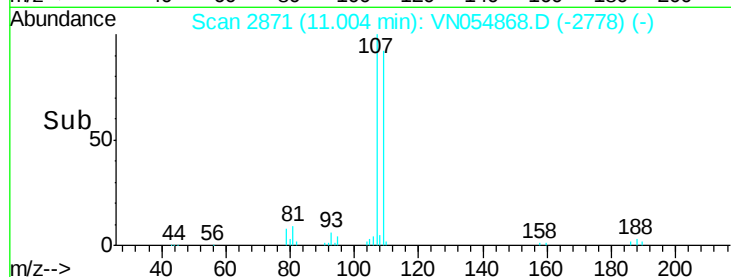
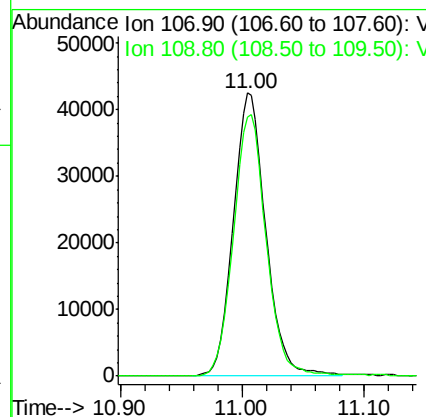
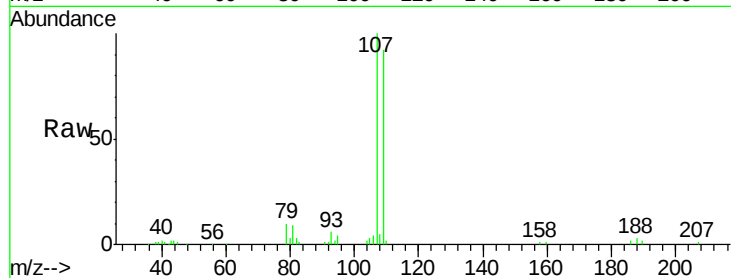
#61
 1,2-Dibromoethane
 Concen: 22.863 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.9	113.9

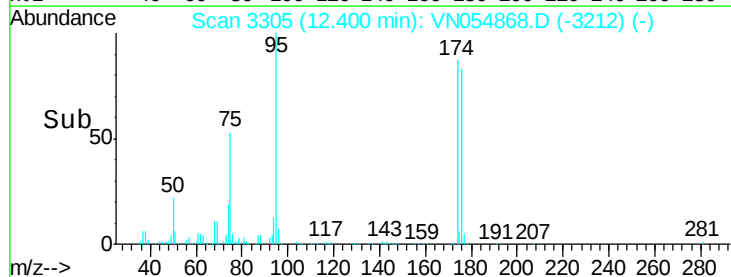
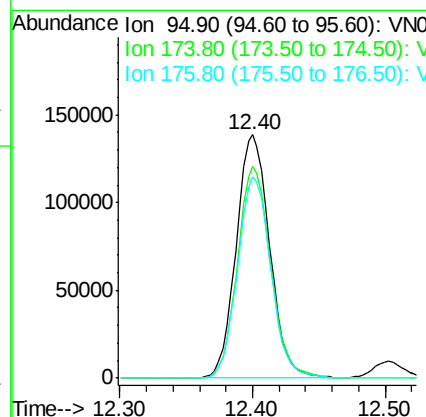
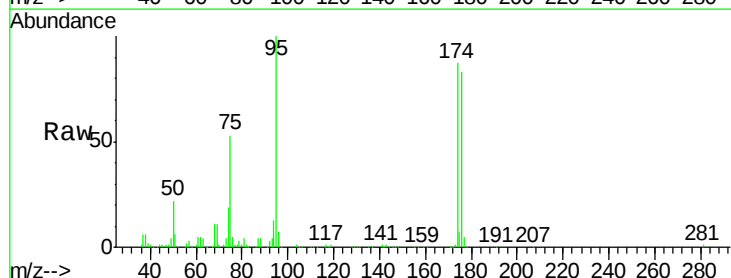
Manual Integrations
 APPROVED

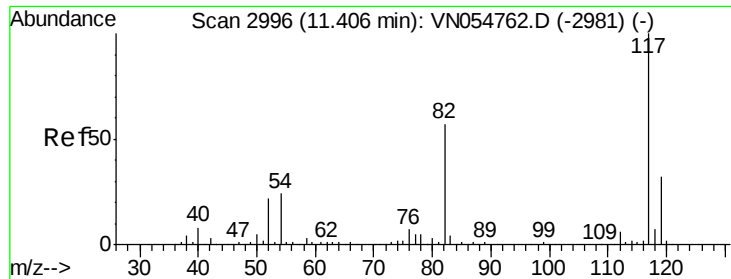
MMDadoda
 4/2/2019 10:51:43 AM



#62
 4-Bromofluorobenzene
 Concen: 48.348 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	191.0
176	82.5	0.0	187.4





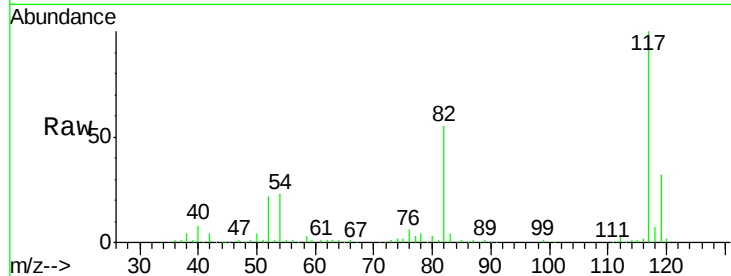
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	532635		
82	55.4	40.0	60.0	
119	32.2	25.8	38.6	

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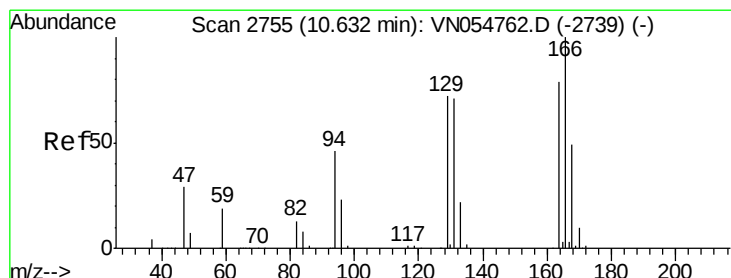
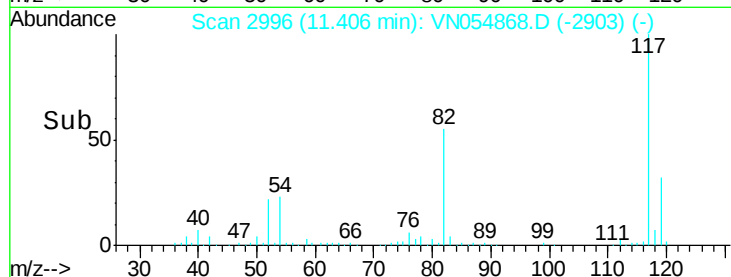
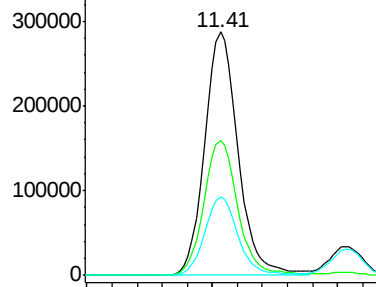


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.053 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90136		
166	133.9	103.9	155.9	
129	92.7	71.1	106.7	
131	92.0	68.2	102.4	

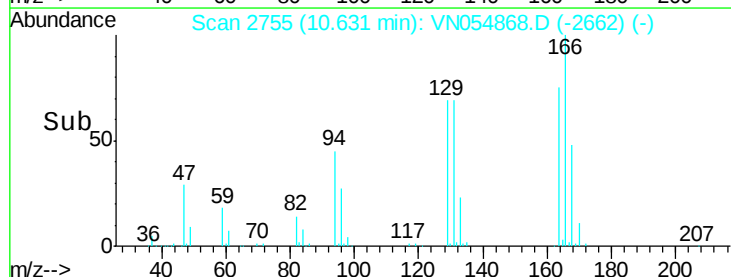
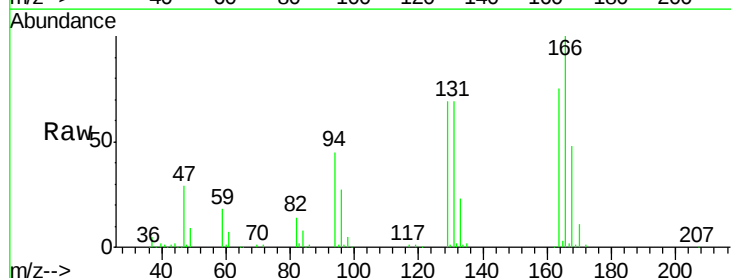
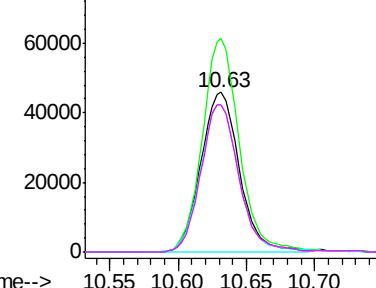
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.538 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion:112 Resp: 224610

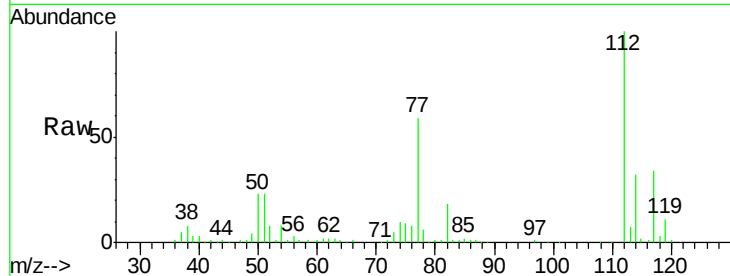
Ion Ratio Lower Upper

112 100

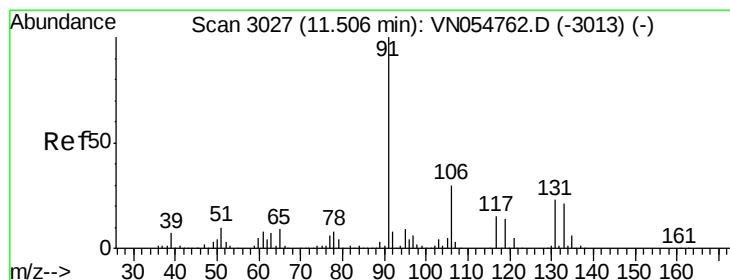
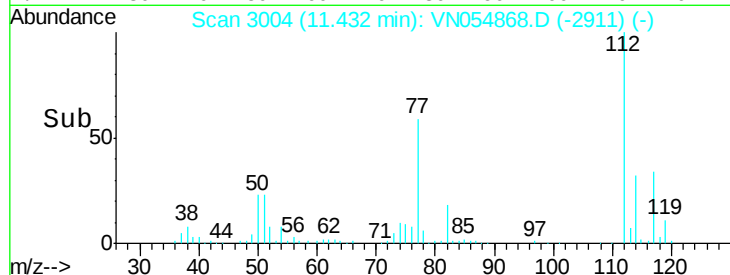
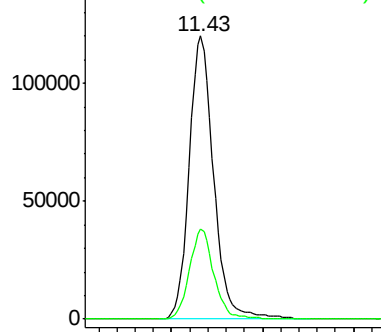
114 32.0 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.708 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

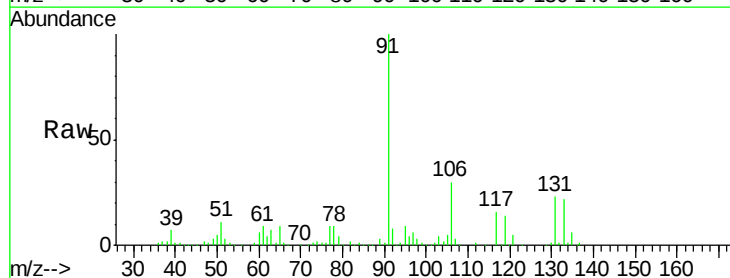
Tgt Ion:131 Resp: 84732

Ion Ratio Lower Upper

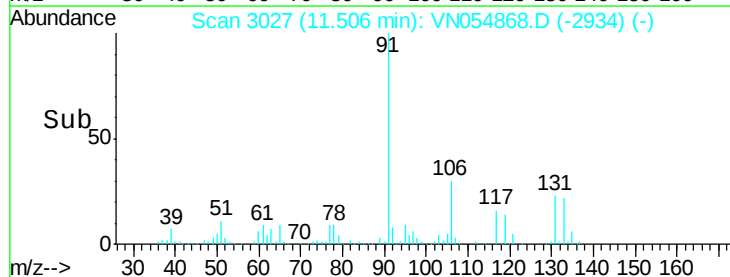
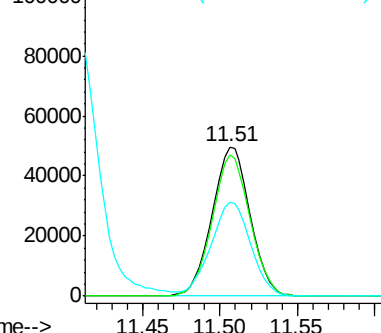
131 100

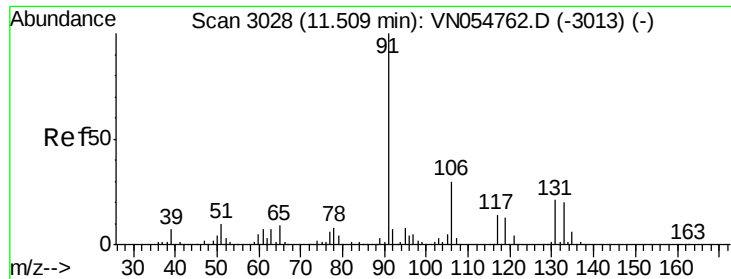
133 94.6 47.6 142.9

119 66.3 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





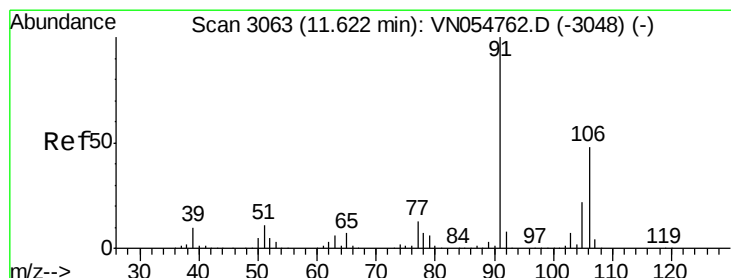
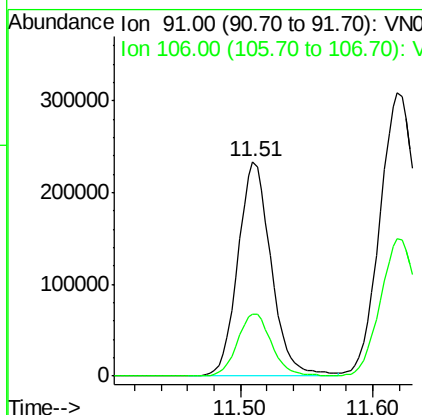
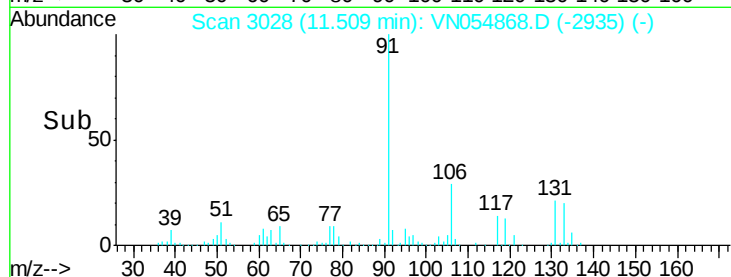
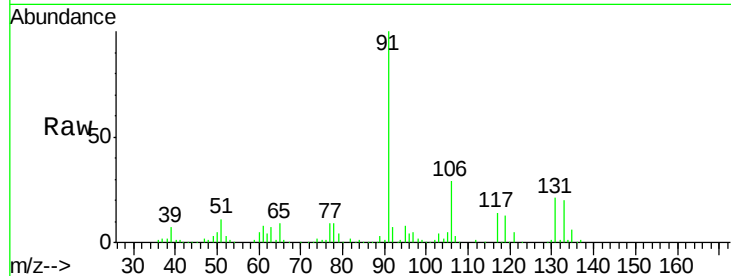
#67
Ethyl Benzene
Concen: 21.698 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

Tot Ion: 91 Resp: 408317
Ion Ratio Lower Upper
91 100
106 29.1 25.5 38.3

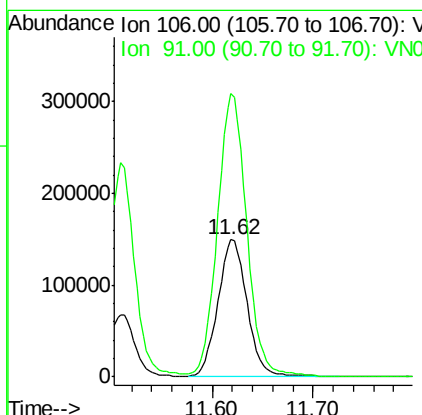
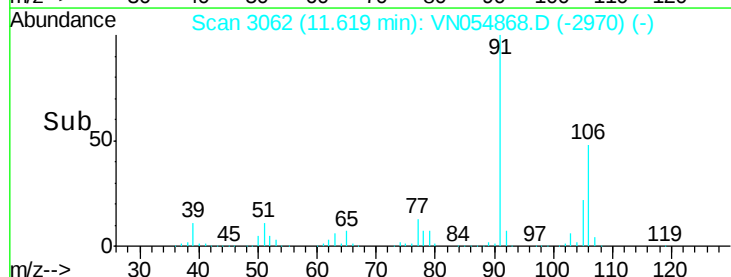
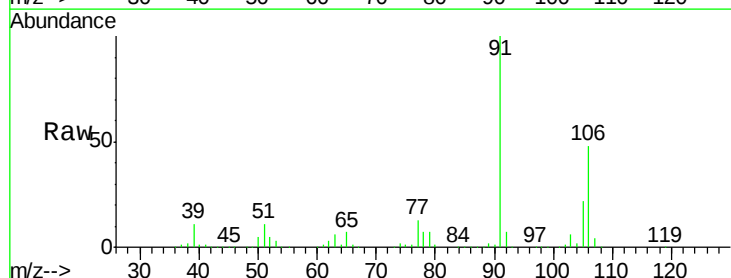
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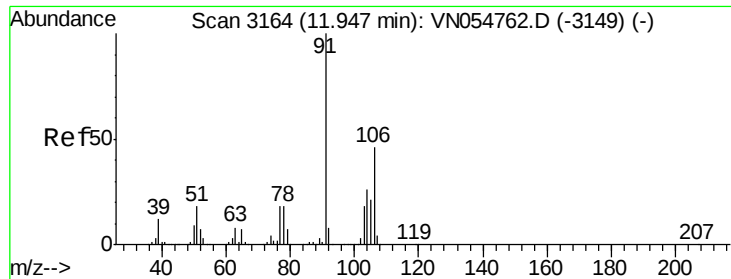
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#68
m/p-Xylenes
Concen: 43.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 106 Resp: 303028
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2





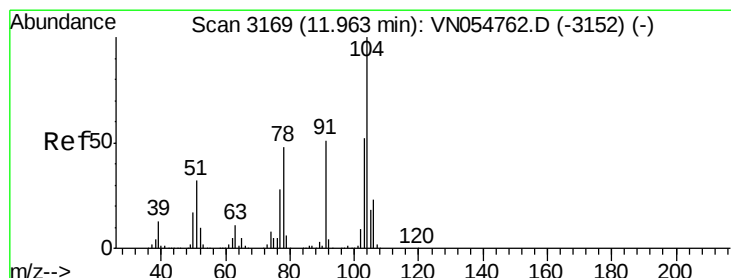
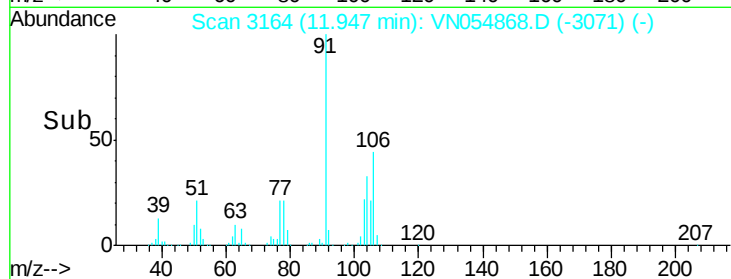
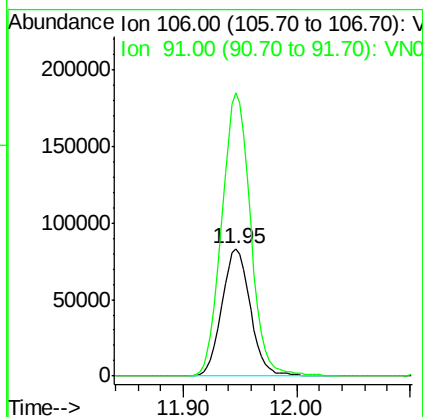
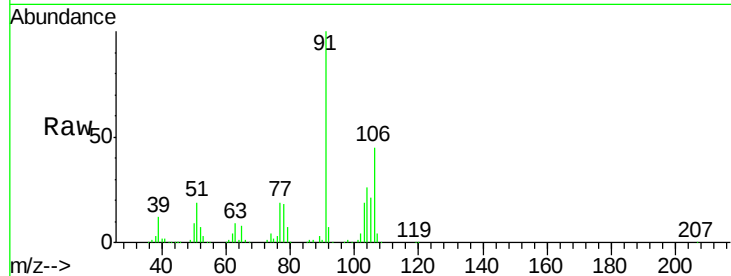
#69
o-Xylene
Concen: 21.350 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

Tot Ion:106 Resp: 145796
Ion Ratio Lower Upper
106 100
91 224.4 105.7 317.1

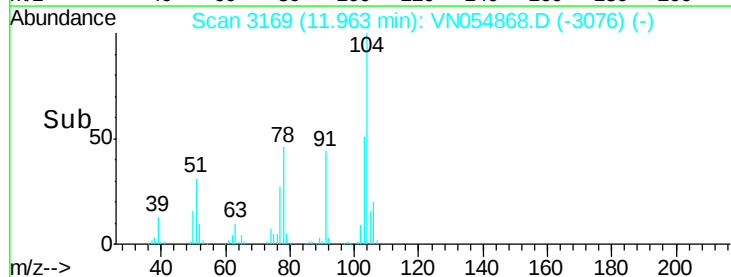
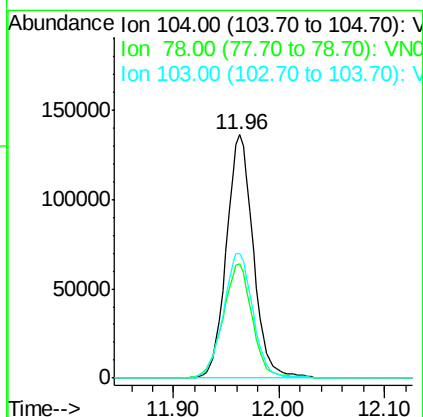
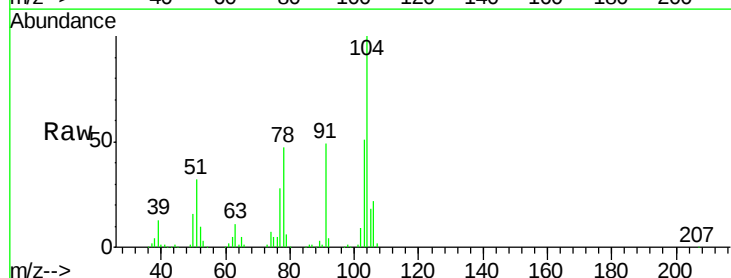
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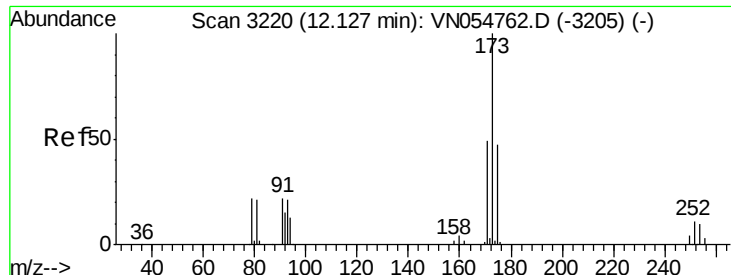
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#70
Styrene
Concen: 21.965 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion:104 Resp: 239834
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 56.2 44.4 66.6





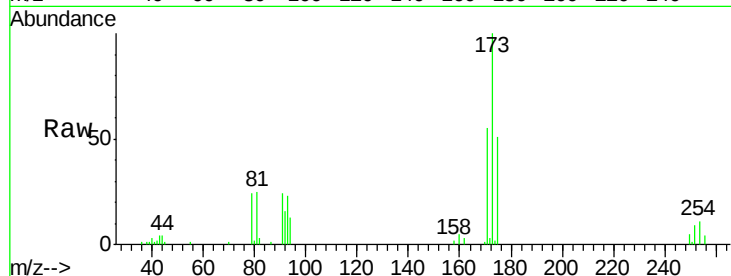
#71
Bromoform
Concen: 20.822 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

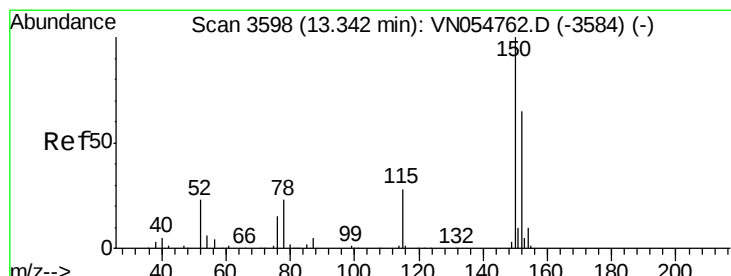
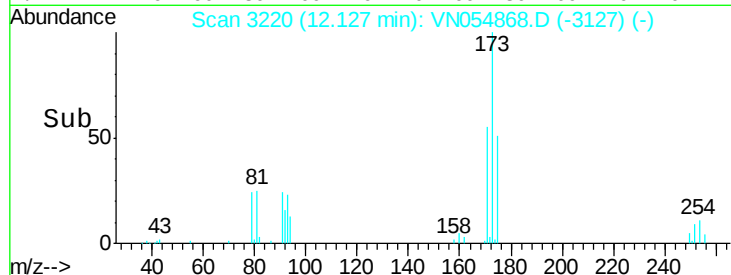
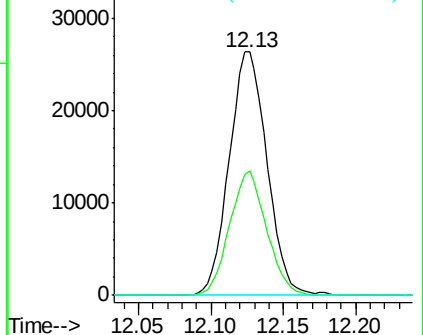
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.2
254	0.0	0.1	0.1#

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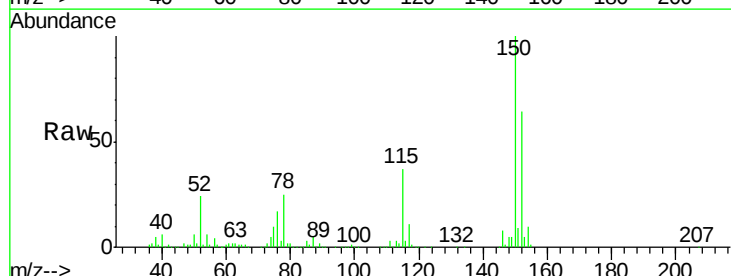


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

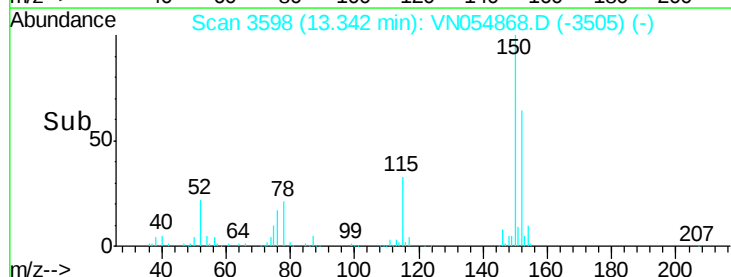
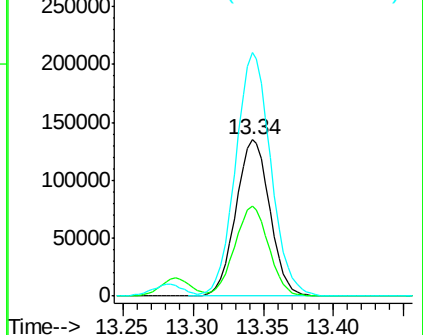


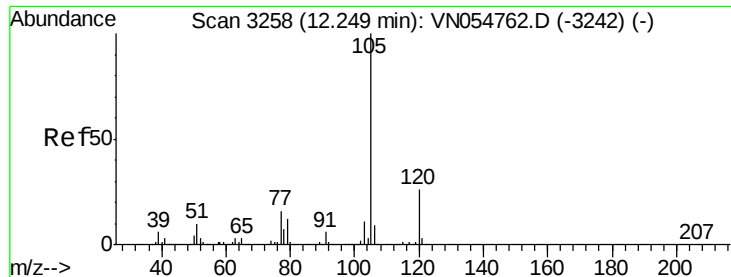
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.2	81.6
150	161.3	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: 20.945 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 105 Resp: 391398

Ion Ratio Lower Upper

105 100

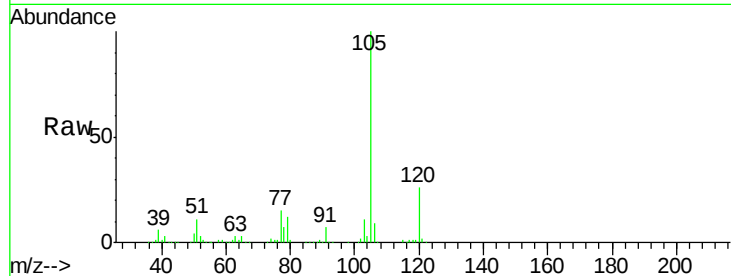
120 26.1 13.8 41.3

Manual Integrations

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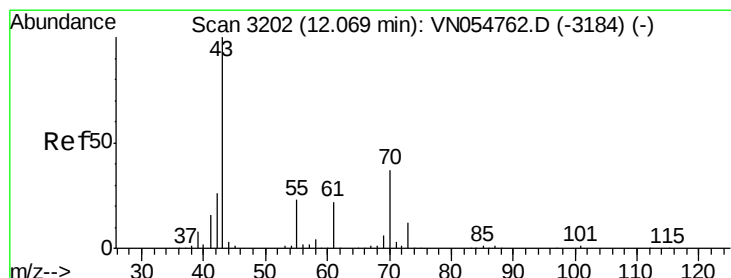
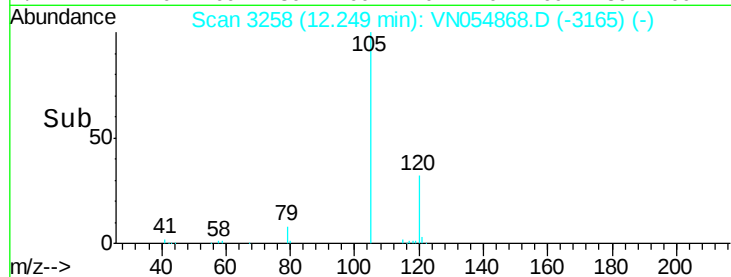
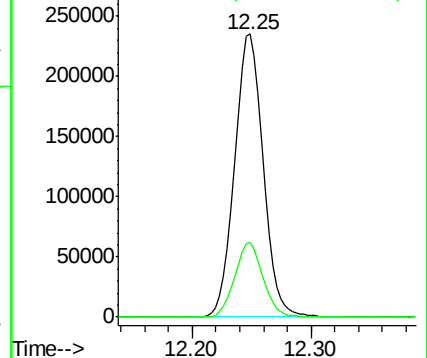
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.165 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion: 43 Resp: 117399

Ion Ratio Lower Upper

43 100

70 36.3 35.4 53.0

55 24.4 19.8 29.6

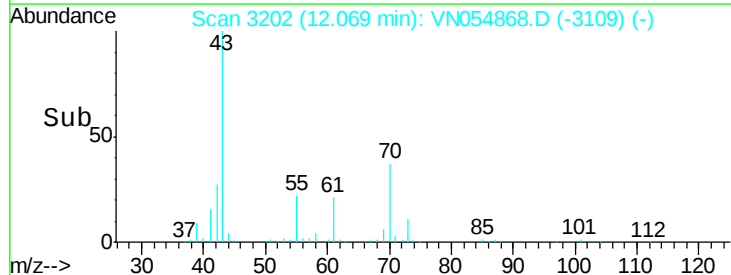
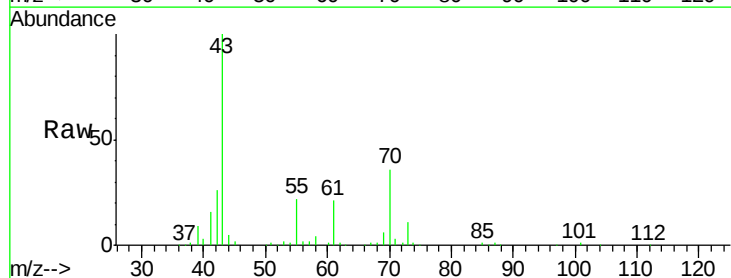
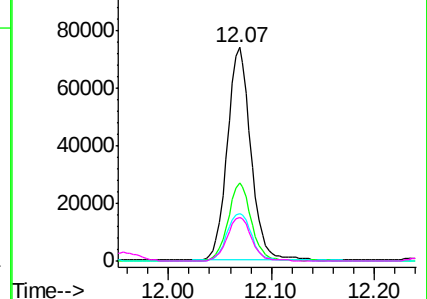
61 21.4 19.8 29.6

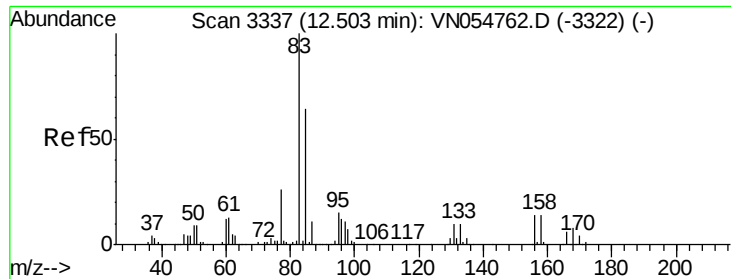
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.979 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

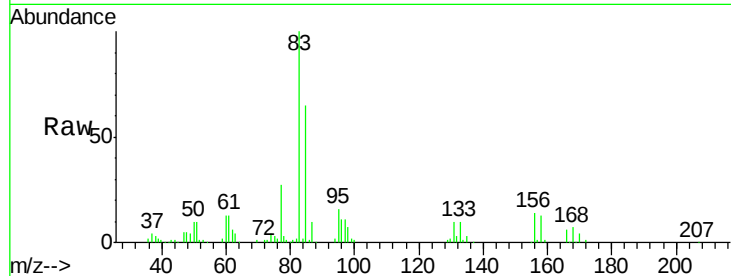
ClientSampleId :

VN0401MBS01

Tot Ion:	83	Resp:	98476
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	64.4	32.2	96.6

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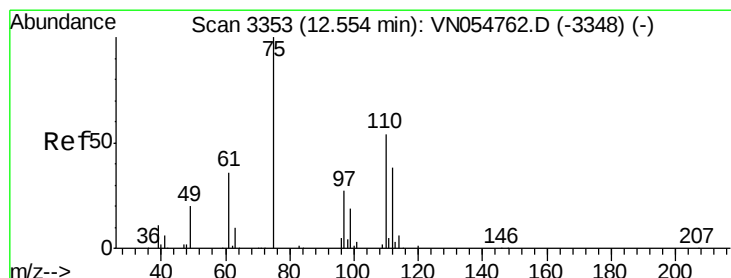
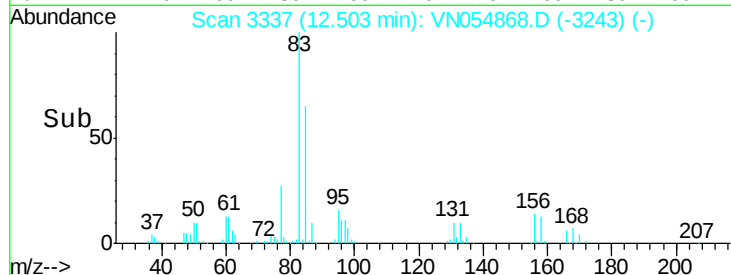
Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 23.105 ug/l m

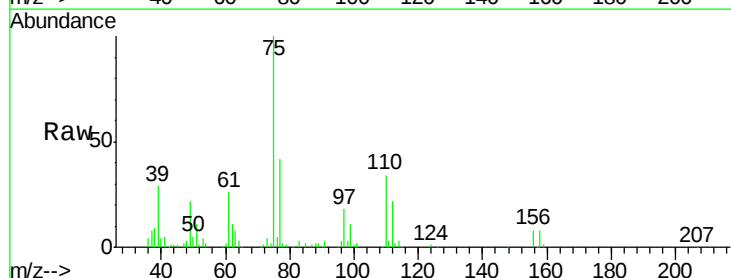
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	75	Resp:	91768
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

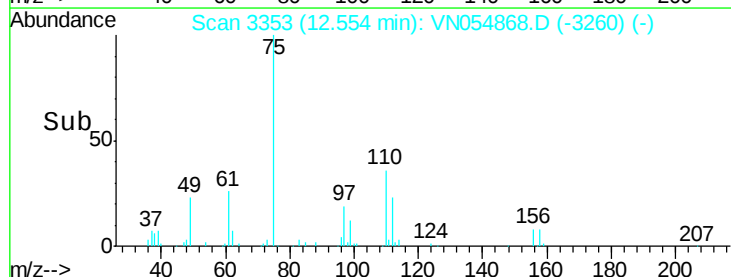


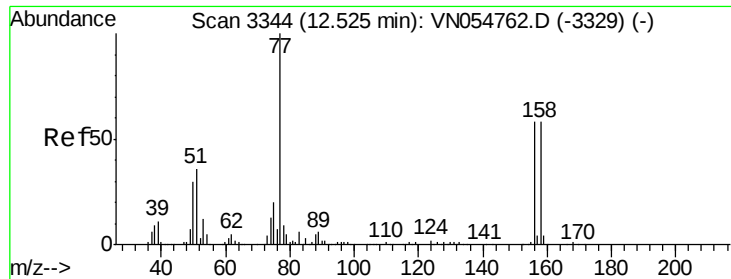
Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3348) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 21.019 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

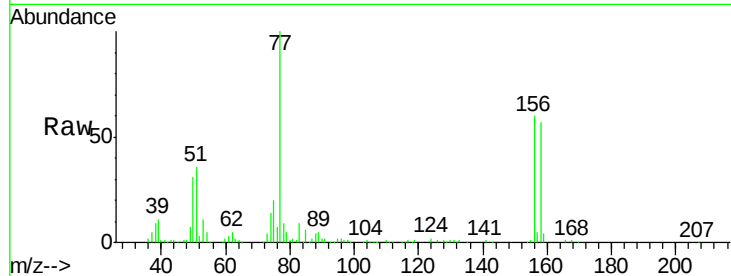
ClientSampleId :

VN0401MBS01

Tot Ion:	156	Resp:	94795
Ion Ratio	Lower	Upper	
156	100		
77	194.8	81.5	244.4
158	94.6	49.0	147.2

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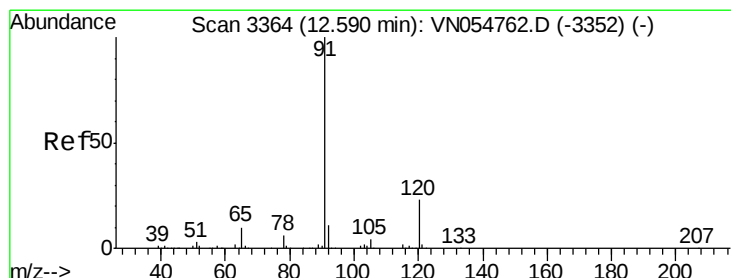
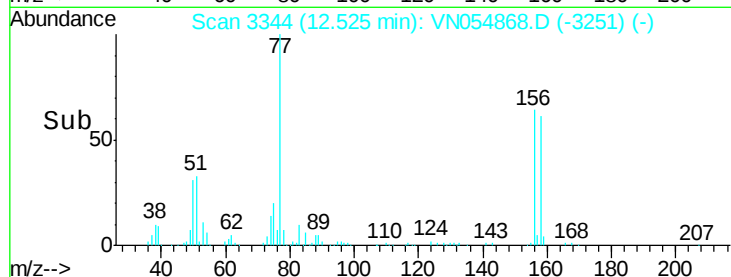
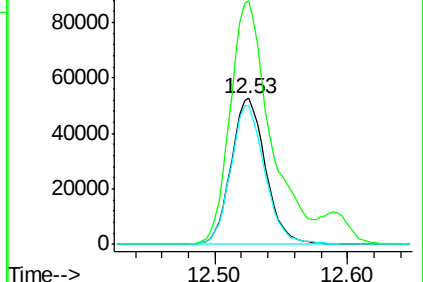
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.838 ug/l

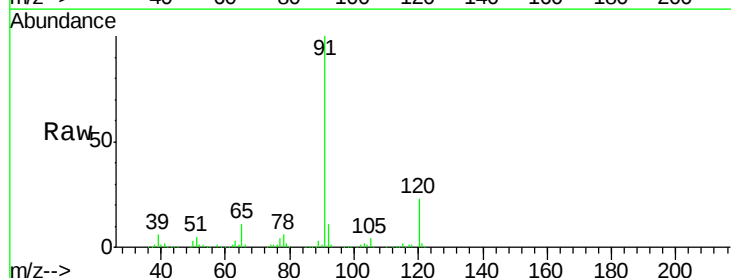
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054868.D

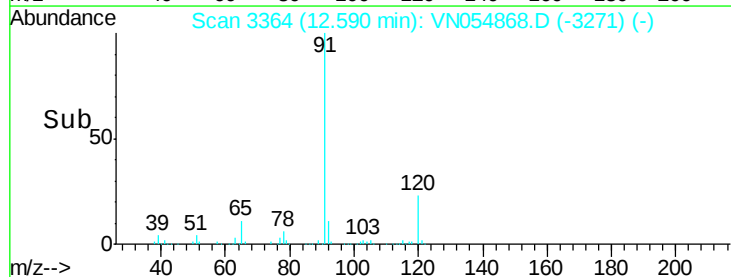
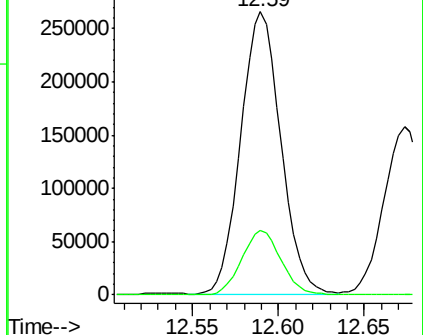
Acq: 1 Apr 2019 12:26

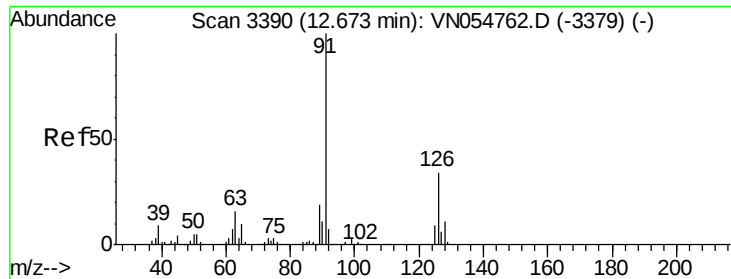
Tgt Ion:	91	Resp:	427991
Ion Ratio	Lower	Upper	
91	100		
120	22.5	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.019 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion: 91 Resp: 267082

Ion Ratio Lower Upper

91 100

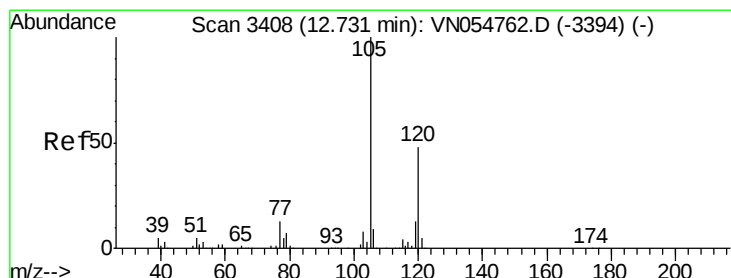
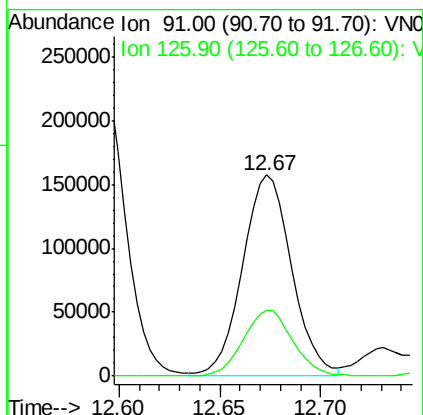
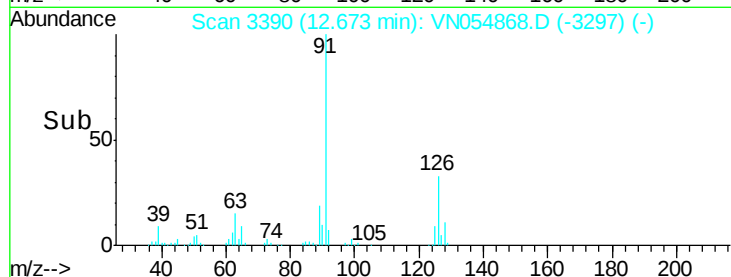
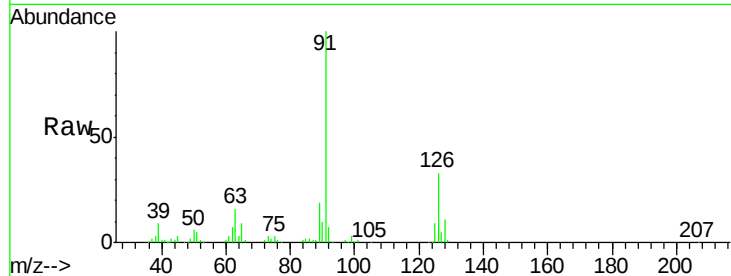
126 33.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.972 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054868.D

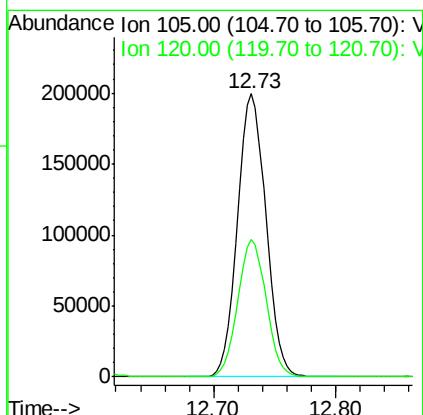
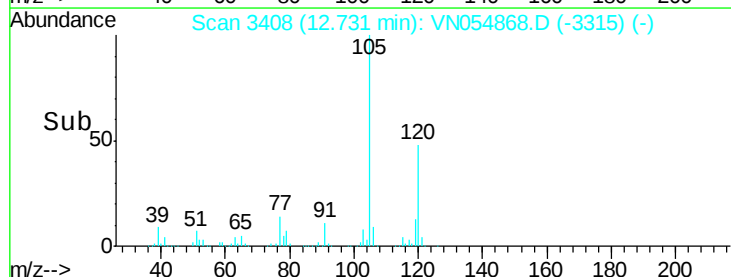
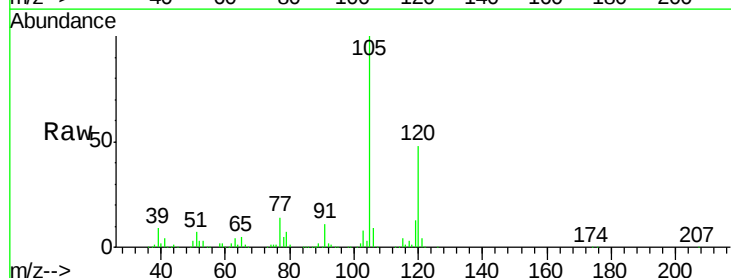
Acq: 1 Apr 2019 12:26

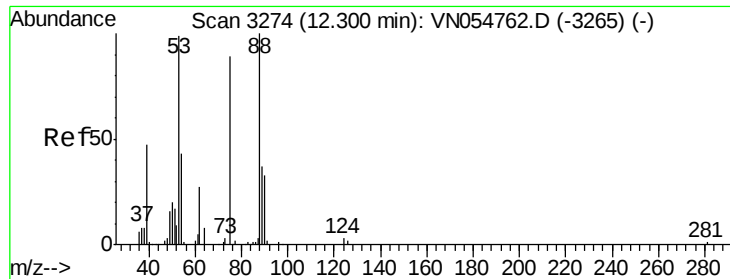
Tgt Ion:105 Resp: 321580

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.375 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion: 75 Resp: 19784

Ion Ratio Lower Upper

75 100

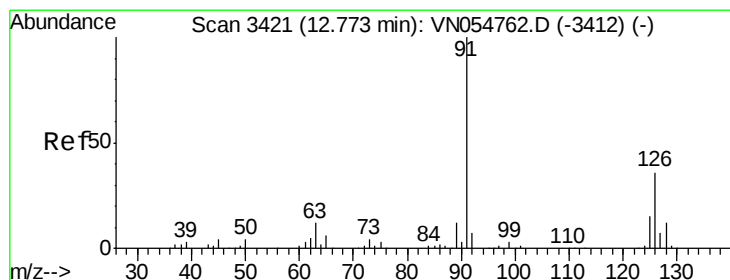
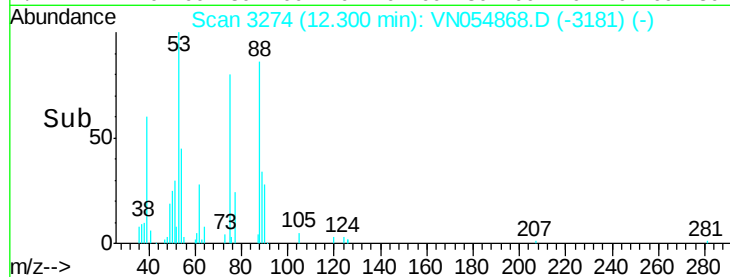
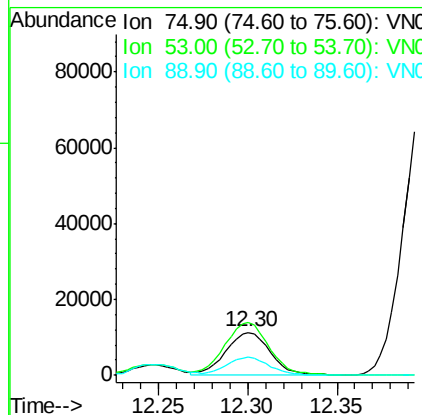
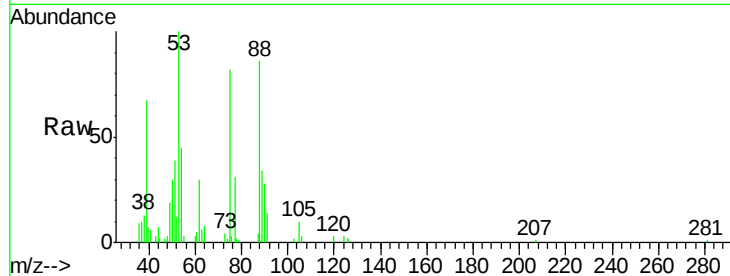
53 120.5 76.2 114.2#

89 39.8 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.549 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054868.D

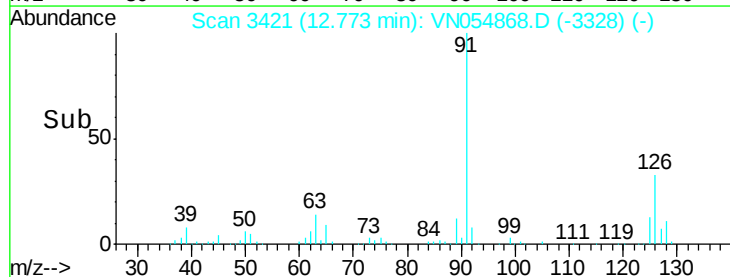
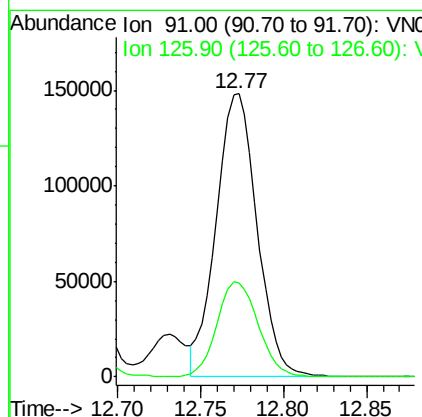
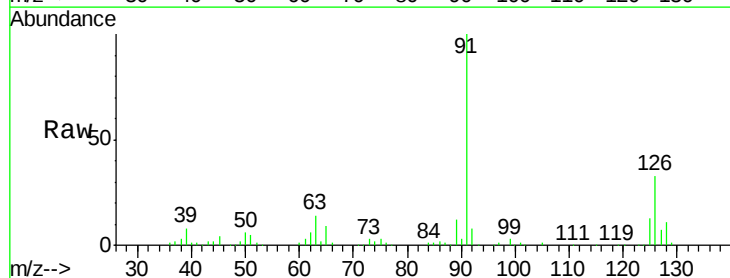
Acq: 1 Apr 2019 12:26

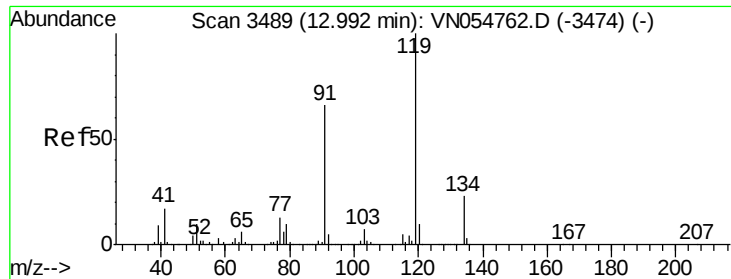
Tgt Ion: 91 Resp: 253625

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.1





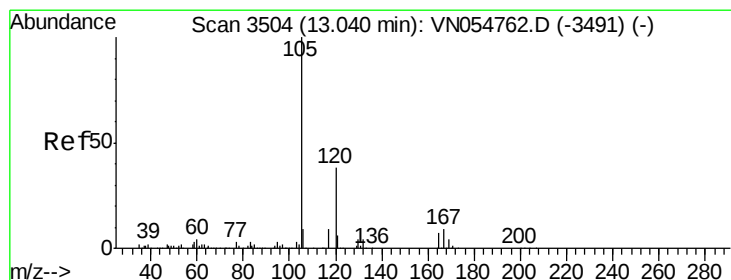
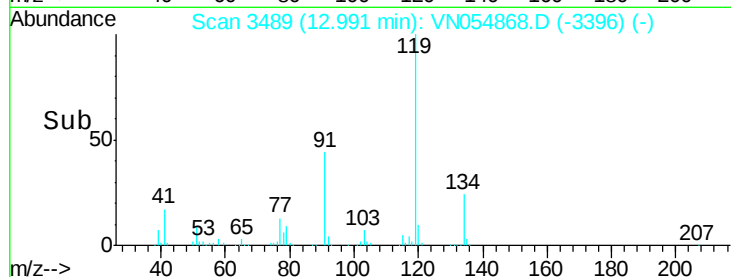
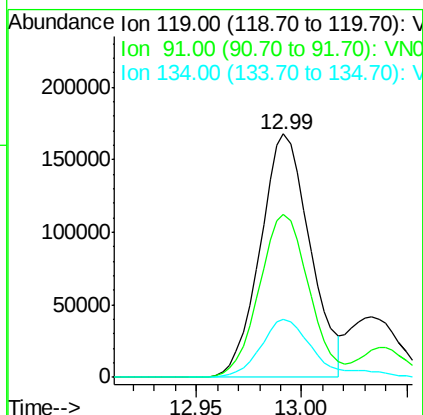
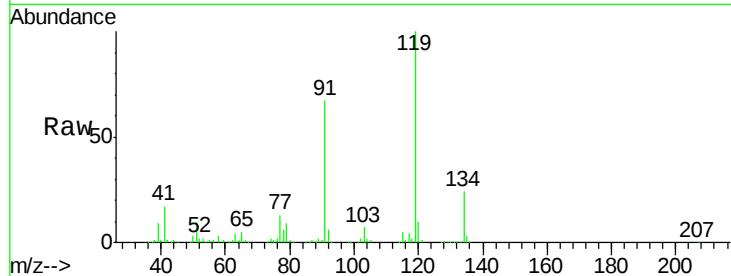
#83
 tert-Butylbenzene
 Concen: 22.052 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	30.9	92.8
134	26.0	13.2	39.6

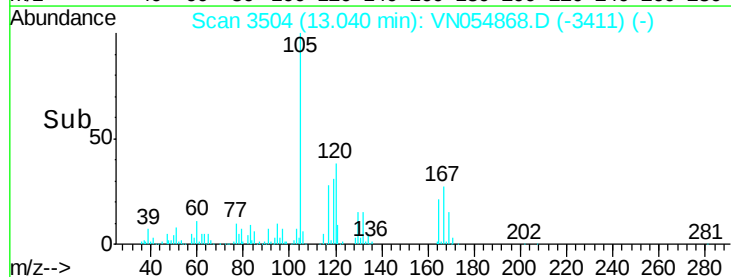
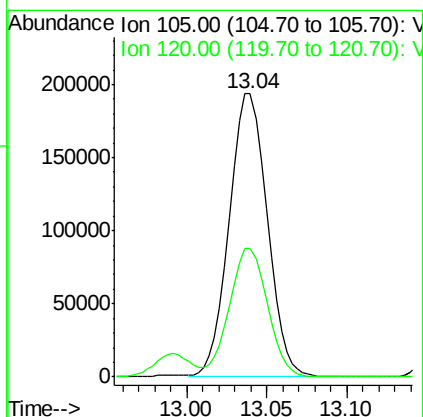
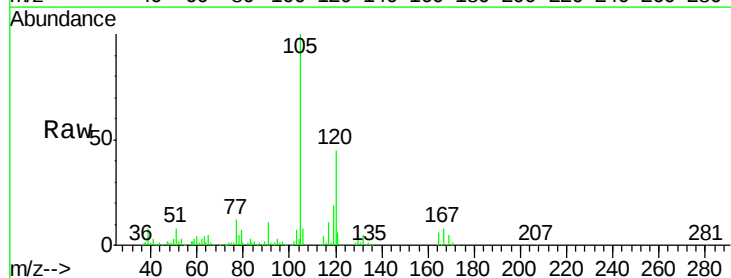
Manual Integrations
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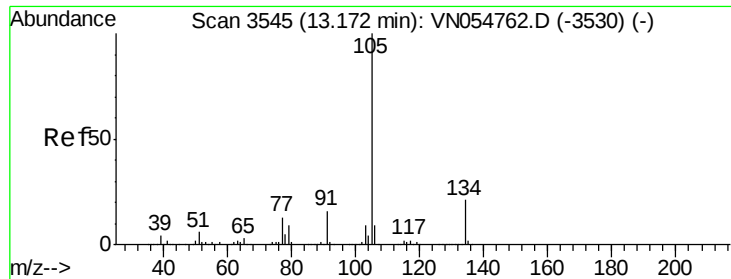
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.476 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.256 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0401MBS01

Tot Ion:105 Resp: 354053

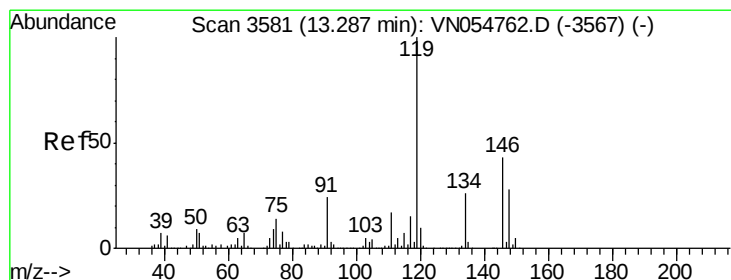
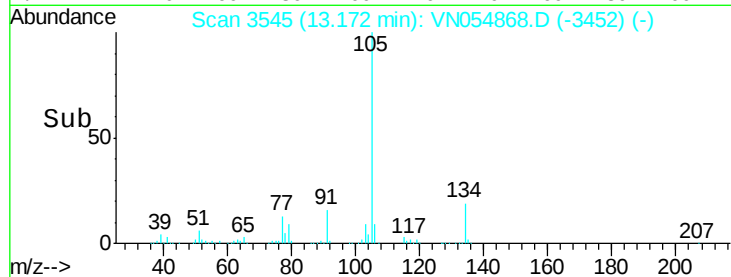
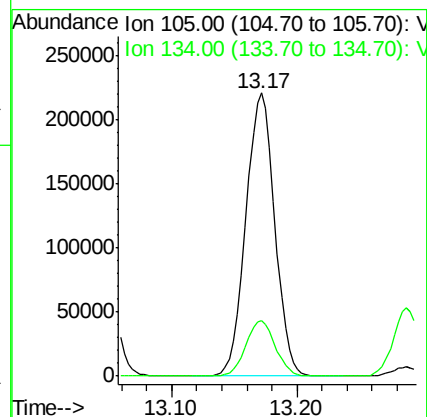
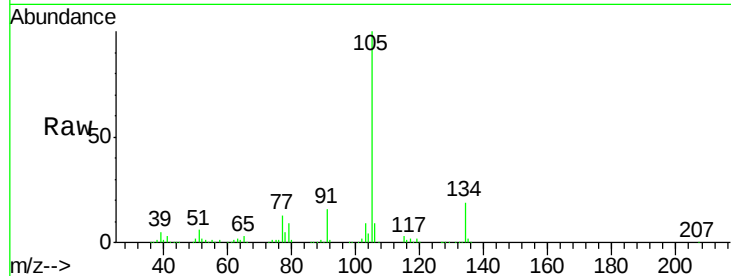
Ion Ratio Lower Upper

105 100

134 19.8 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 21.124 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

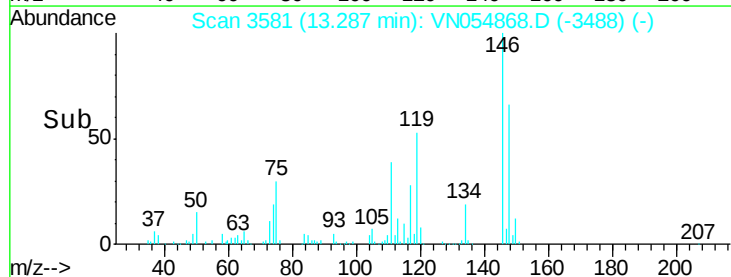
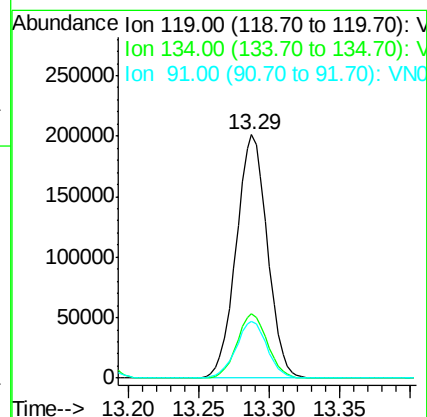
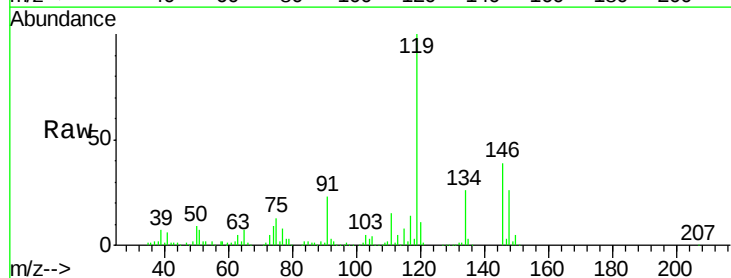
Tgt Ion:119 Resp: 310337

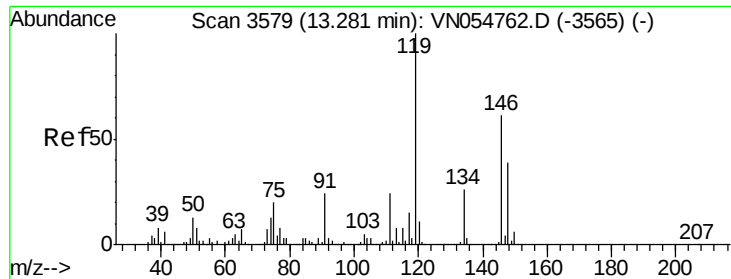
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.5 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.765 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

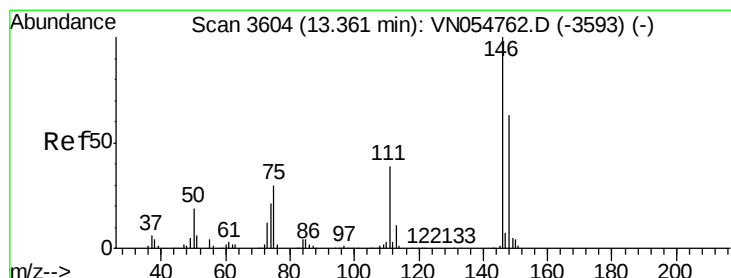
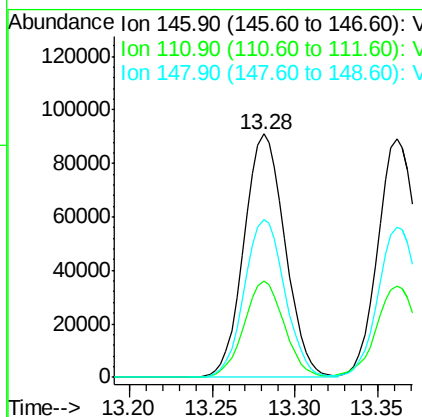
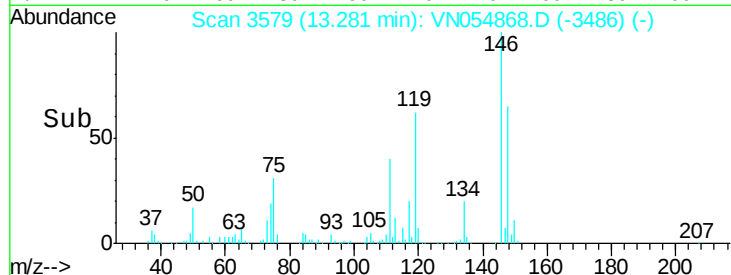
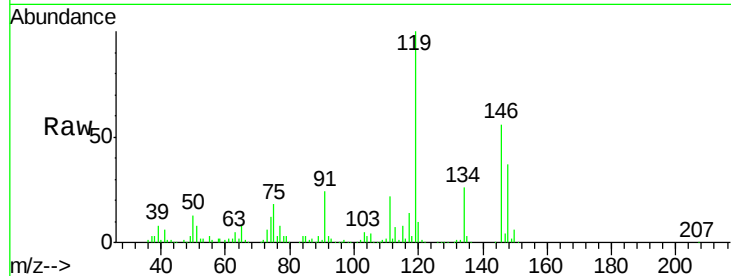
ClientSampled :

VN0401MBS01

Tot Ion:	146	Resp:	156797
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.8	56.3
148	64.2	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.125 ug/l

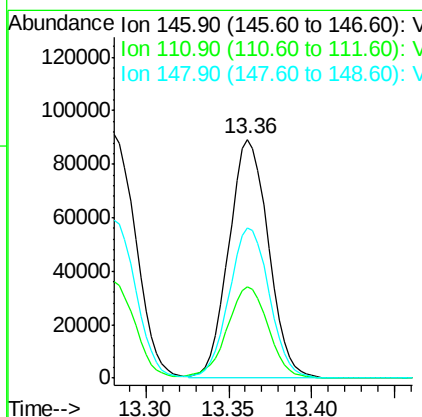
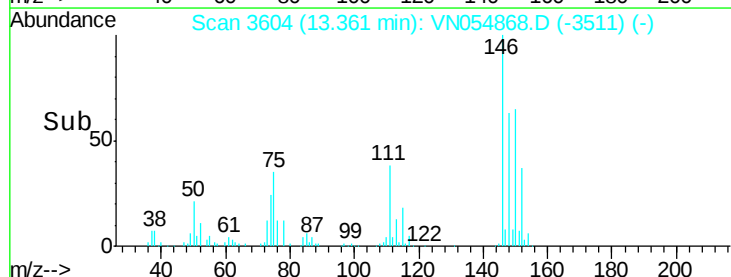
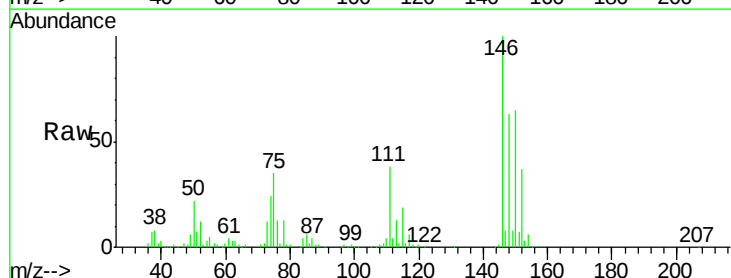
RT: 13.36 min Scan# 3604

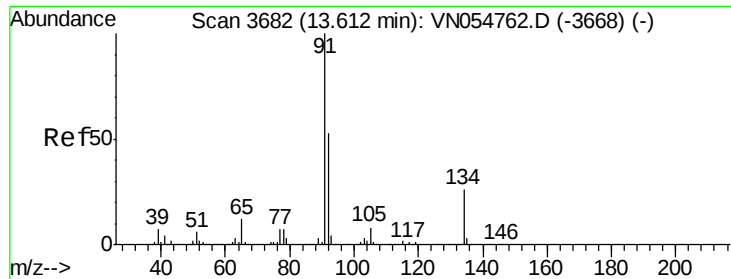
Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	146	Resp:	149049
Ion Ratio	Lower	Upper	
146	100		
111	39.8	18.1	54.1
148	64.1	32.0	96.0





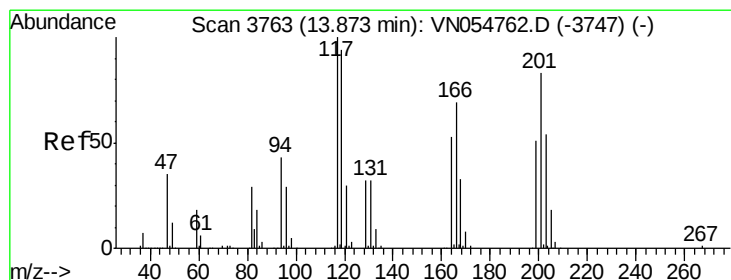
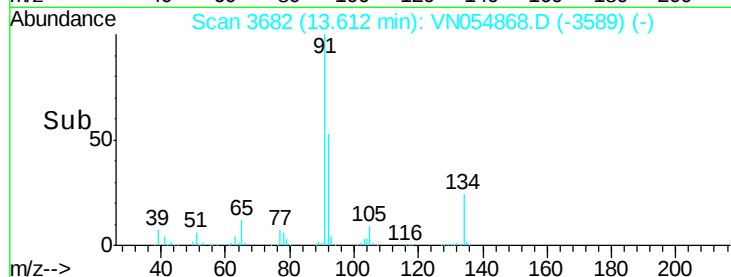
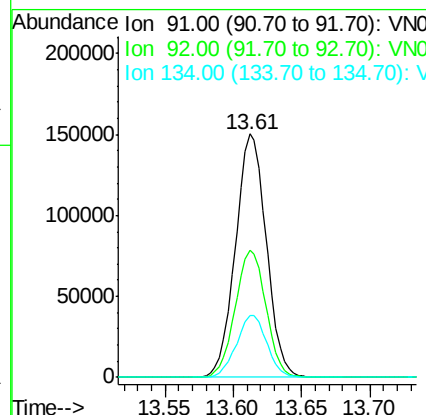
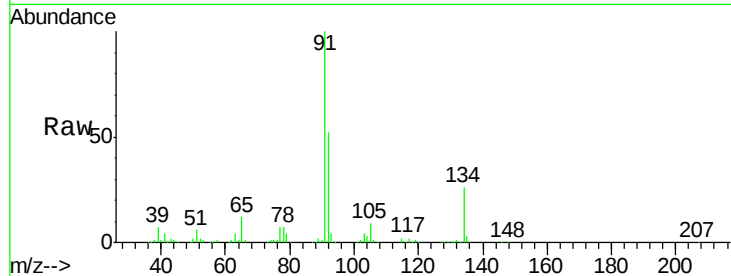
#89
n-Butylbenzene
Concen: 19.624 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	25.2	14.3	42.9

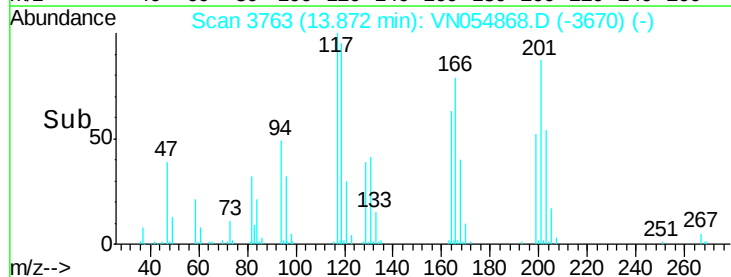
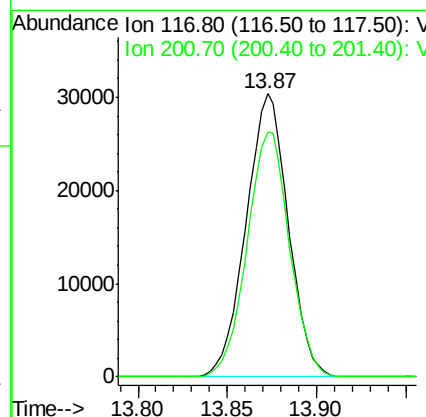
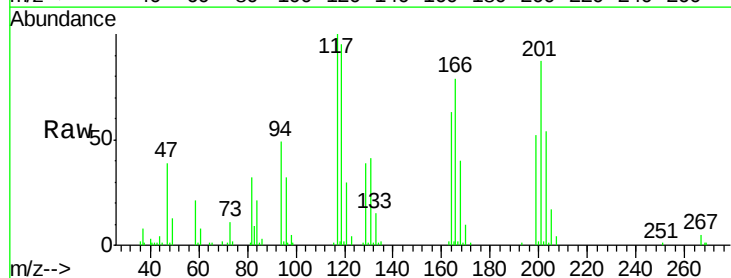
Manual Integrations
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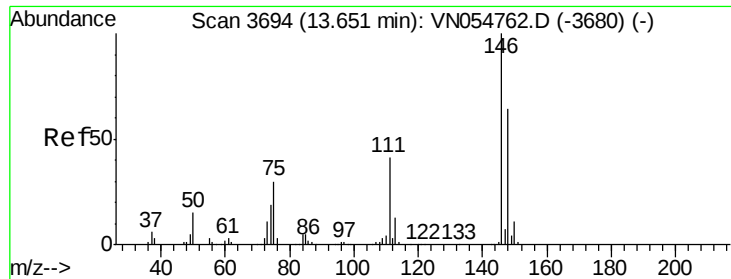
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#90
Hexachloroethane
Concen: 20.144 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	48.1	144.4





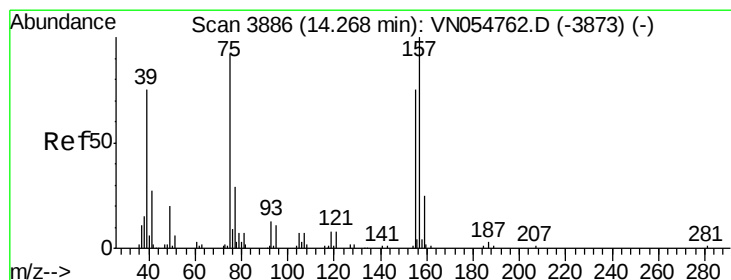
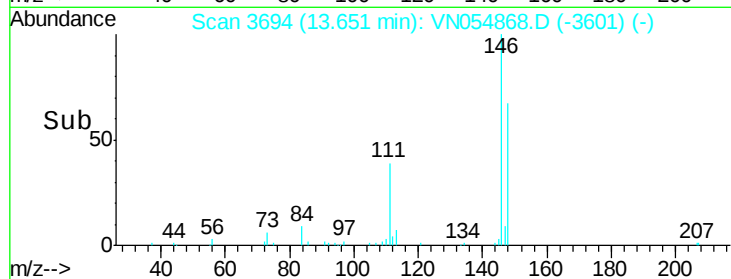
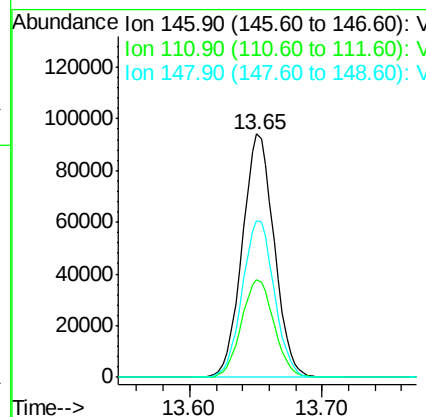
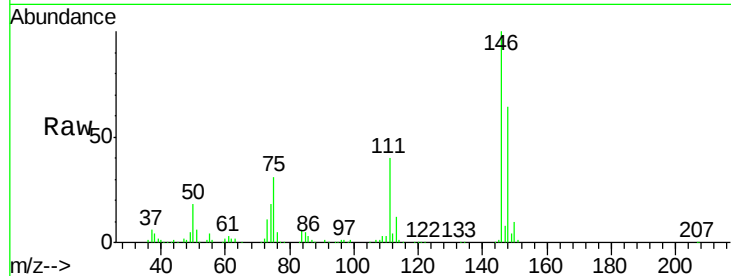
#91
 1,2-Dichlorobenzene
 Concen: 20.651 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	64.5	32.4	97.0

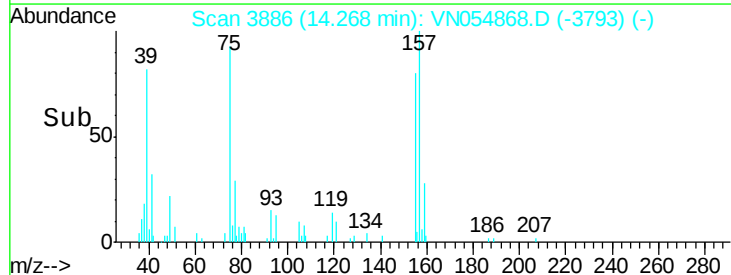
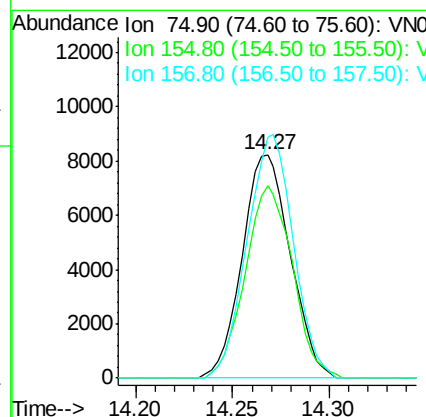
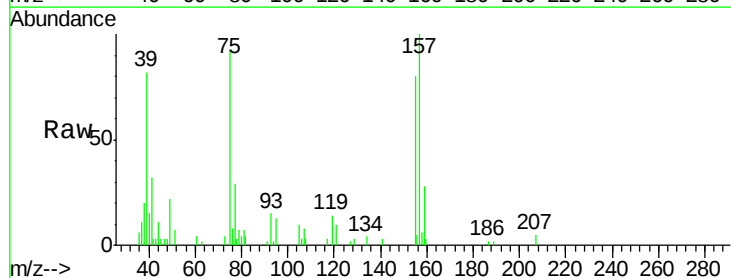
Manual Integrations
 APPROVED

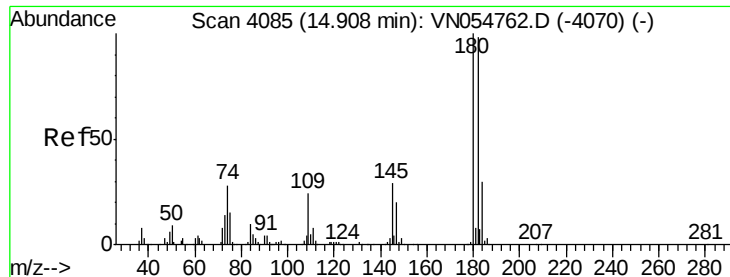
MMDadoda
 4/2/2019 10:51:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.325 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	50.1	150.3
157	104.6	63.1	189.3





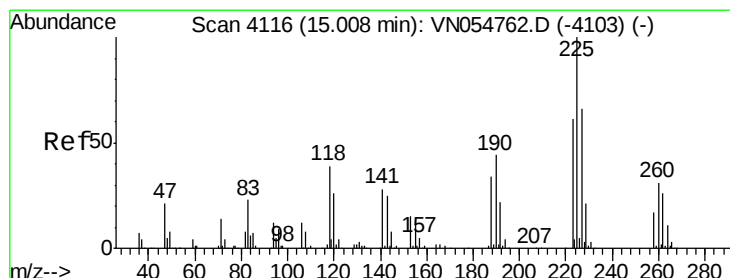
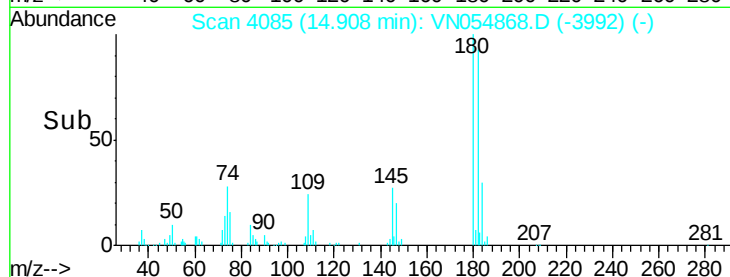
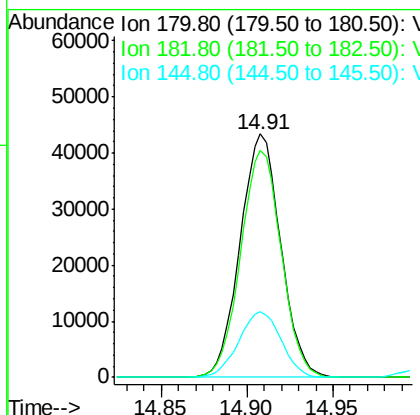
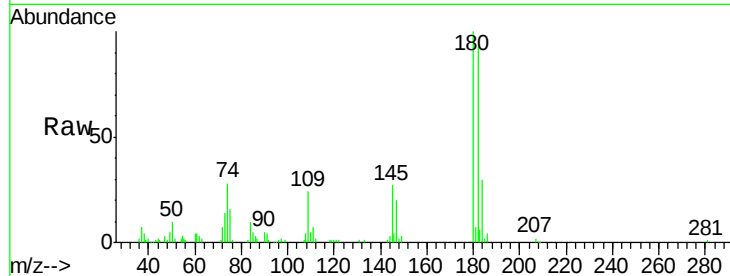
#93
 1,2,4-Trichlorobenzene
 Concen: 19.341 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.0	144.2
145	28.0	14.2	42.8

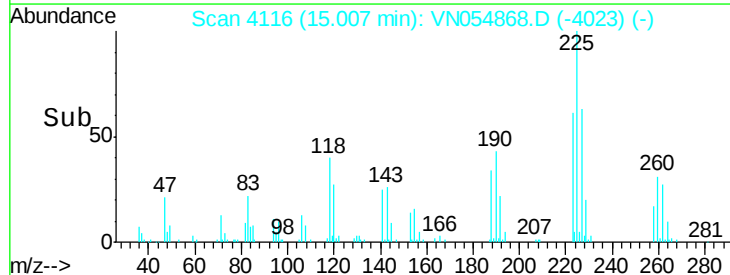
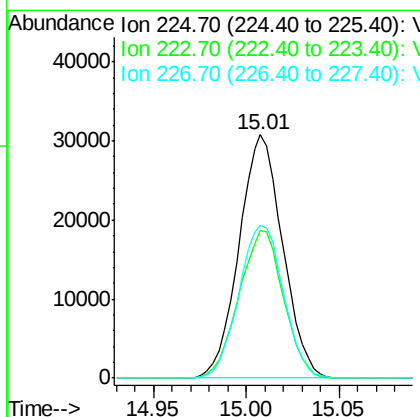
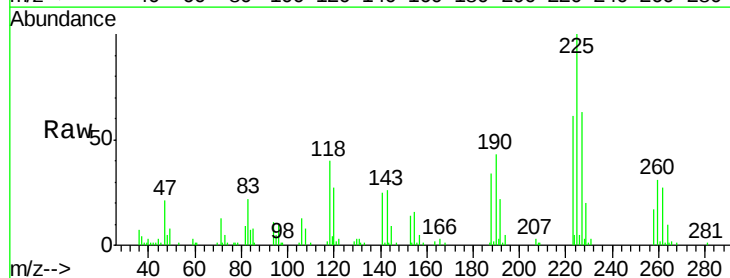
Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 10:51:43 AM



#94
 Hexachlorobutadiene
 Concen: 21.793 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	64.2	31.9	95.9





#95

Naphthalene

Concen: 18.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

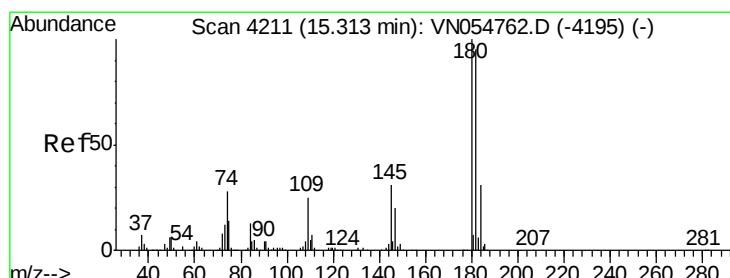
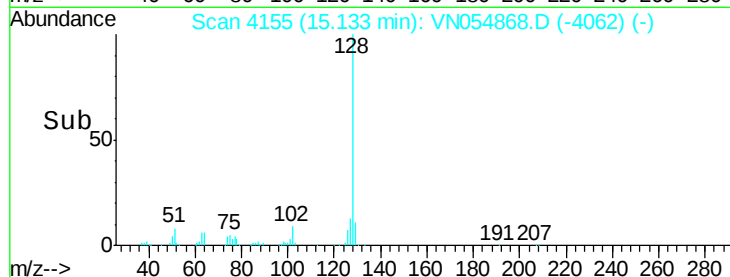
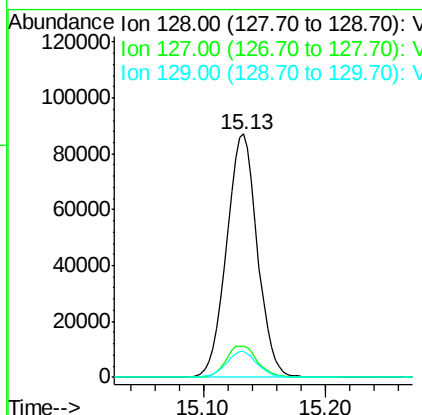
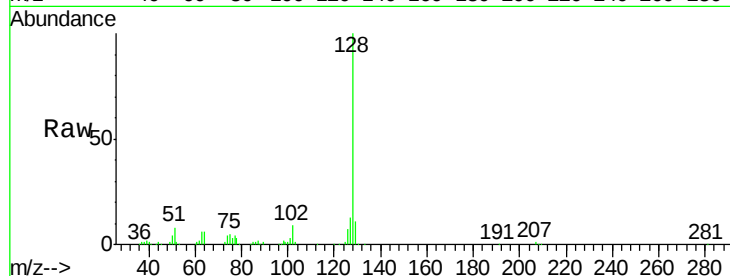
ClientSampled :

VN0401MBS01

Tot Ion:	128	Resp:	153433
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/2/2019 10:51:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.540 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion:	180	Resp:	72502
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.5	142.6
145	32.1	14.8	44.3

