

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054967.D
 Acq On : 5 Apr 2019 11:46
 Operator : JC/SP
 Sample : VN0405WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:34:07 AM

Quant Time: Apr 06 00:43:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	438449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	721790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	296938	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	237959	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.09	98	885084	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	287928	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	110198	21.019	ug/l 99
3) Chloromethane	2.06	50	135391	19.532	ug/l 100
4) Vinyl Chloride	2.19	62	120684	19.926	ug/l 97
5) Bromomethane	2.58	94	67285	19.462	ug/l 95
6) Chloroethane	2.71	64	66103	19.569	ug/l 98
7) Trichlorofluoromethane	3.03	101	147551	20.065	ug/l 98
8) Diethyl Ether	3.42	74	48276	20.613	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75496	19.378	ug/l 95
10) Methyl Iodide	3.95	142	107059	19.494	ug/l 99
11) Tert butyl alcohol	4.81	59	32257	108.132	ug/l # 87
12) 1,1-Dichloroethene	3.73	96	74539	19.287	ug/l 98
13) Acrolein	3.61	56	40589	92.458	ug/l 100
14) Allyl chloride	4.32	41	176226	20.545	ug/l 98
15) Acrylonitrile	5.00	53	183633	102.652	ug/l 100
16) Acetone	3.82	43	149713	89.591	ug/l 99
17) Carbon Disulfide	4.04	76	239890	19.500	ug/l 100
18) Methyl Acetate	4.34	43	85955	21.962	ug/l 96
19) Methyl tert-butyl Ether	5.06	73	258753	20.641	ug/l 100
20) Methylene Chloride	4.55	84	106577	19.864	ug/l 96
21) trans-1,2-Dichloroethene	5.04	96	97277	20.153	ug/l 99
22) Diisopropyl ether	5.96	45	364422	20.686	ug/l 99
23) Vinyl Acetate	5.90	43	1261531	102.912	ug/l 100
24) 1,1-Dichloroethane	5.85	63	196317	20.435	ug/l 99
25) 2-Butanone	6.85	43	226059	104.143	ug/l 99
26) 2,2-Dichloropropane	6.82	77	134657	19.995	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	110915	20.257	ug/l 100
28) Bromochloromethane	7.20	49	87711	19.489	ug/l 99
29) Tetrahydrofuran	7.22	42	150639	105.877	ug/l 99
30) Chloroform	7.37	83	189283	20.790	ug/l 99
31) Cyclohexane	7.65	56	186592	19.544	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	152974	19.911	ug/l 99
36) 1,1-Dichloropropene	7.79	75	139417	19.494	ug/l 99
37) Ethyl Acetate	6.94	43	100274	20.431	ug/l 99
38) Carbon Tetrachloride	7.77	117	132125	19.130	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157753	20.050	ug/l	97
40) Benzene	8.04	78	425926	20.697	ug/l	99
41) Methacrylonitrile	7.18	41	51003	18.174	ug/l	95
42) 1,2-Dichloroethane	8.13	62	146077	20.200	ug/l	99
43) Isopropyl Acetate	8.17	43	167770	20.283	ug/l	99
44) Trichloroethene	8.83	130	107747	20.477	ug/l	98
45) 1,2-Dichloropropane	9.12	63	117168	20.434	ug/l	99
46) Dibromomethane	9.21	93	64743	19.911	ug/l	98
47) Bromodichloromethane	9.40	83	137245	20.096	ug/l	98
48) Methyl methacrylate	9.20	41	84633	20.212	ug/l	97
49) 1,4-Dioxane	9.20	88	18422	435.878	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	477833	103.552	ug/l	100
52) Toluene	10.16	92	247198	20.379	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	122362	18.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	157288	20.463	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	90355	20.545	ug/l	99
56) Ethyl methacrylate	10.43	69	110686	19.249	ug/l	97
57) 1,3-Dichloropropane	10.71	76	158905	20.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224334	94.221	ug/l	99
59) 2-Hexanone	10.75	43	292468	101.473	ug/l	99
60) Dibromochloromethane	10.90	129	92688	20.121	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86566	20.934	ug/l	99
64) Tetrachloroethene	10.63	164	102109	20.444	ug/l	98
65) Chlorobenzene	11.43	112	255979	20.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95431	20.649	ug/l	99
67) Ethyl Benzene	11.51	91	460788	20.246	ug/l	97
68) m/p-Xylenes	11.62	106	338914	40.736	ug/l	100
69) o-Xylene	11.95	106	168874	20.810	ug/l	98
70) Styrene	11.96	104	270548	20.785	ug/l	99
71) Bromoform	12.12	173	54443	19.599	ug/l #	98
73) Isopropylbenzene	12.25	105	442263	20.803	ug/l	99
74) N-amyl acetate	12.07	43	126631	21.429	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	106193	21.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	92353m	21.749	ug/l	
77) Bromobenzene	12.53	156	106020	20.592	ug/l	98
78) n-propylbenzene	12.59	91	487530	20.815	ug/l	99
79) 2-Chlorotoluene	12.67	91	298693	20.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362331	20.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21728	19.943	ug/l	97
82) 4-Chlorotoluene	12.77	91	286861	20.893	ug/l	97
83) tert-Butylbenzene	12.99	119	303342	20.424	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	352915	20.892	ug/l	99
85) sec-Butylbenzene	13.17	105	391592	20.384	ug/l	100
86) p-Isopropyltoluene	13.29	119	339365	20.502	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174485	20.374	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	165061	20.245	ug/l	98
89) n-Butylbenzene	13.61	91	268746	20.316	ug/l	98
90) Hexachloroethane	13.87	117	56409	20.288	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	172310	20.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14464	19.876	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71674	17.972	ug/l	99
94) Hexachlorobutadiene	15.01	225	53778	19.117	ug/l	97
95) Naphthalene	15.13	128	156435	18.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74731	19.354	ug/l	99

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

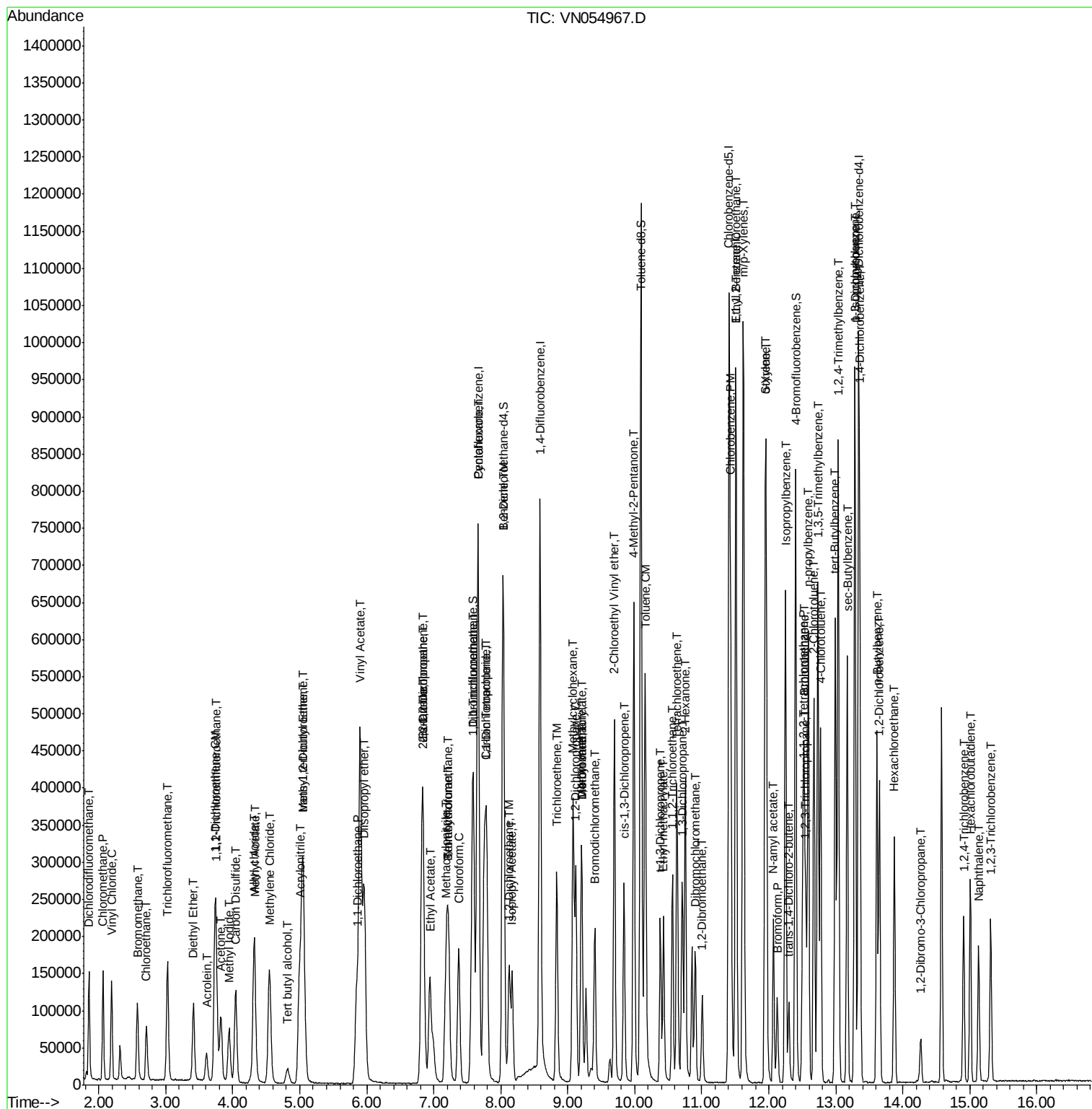
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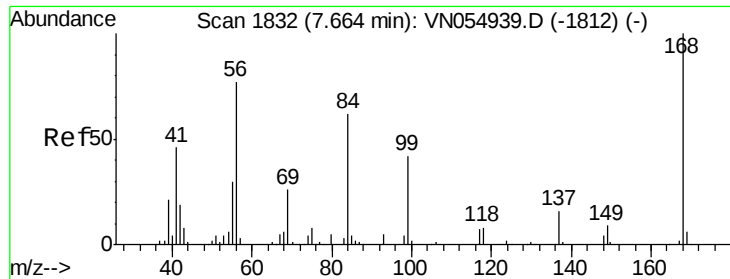
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion:168 Resp: 438449

Ion Ratio Lower Upper

168 100

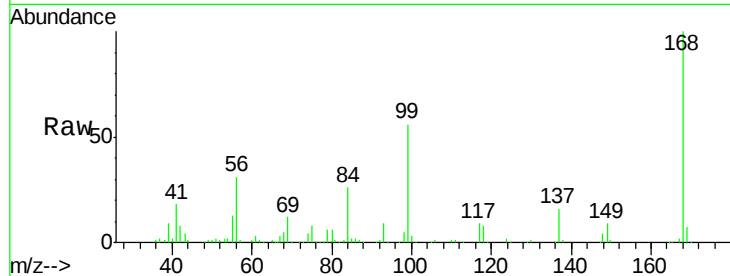
99 54.9 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

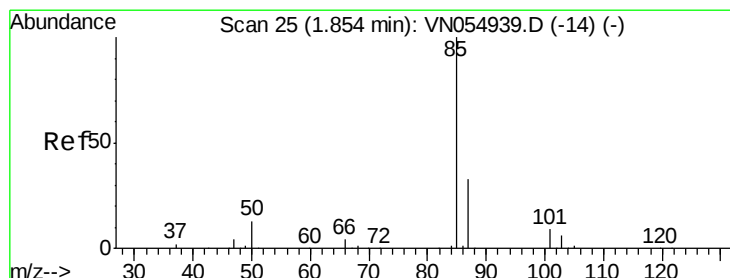
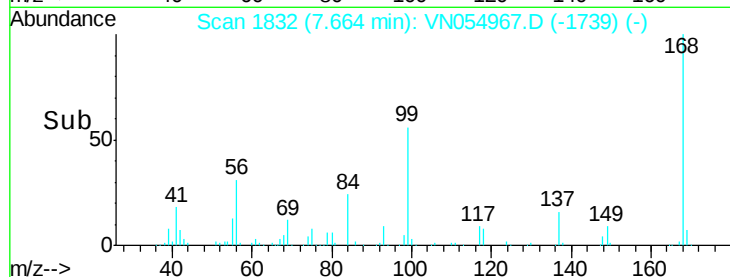
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.019 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054967.D

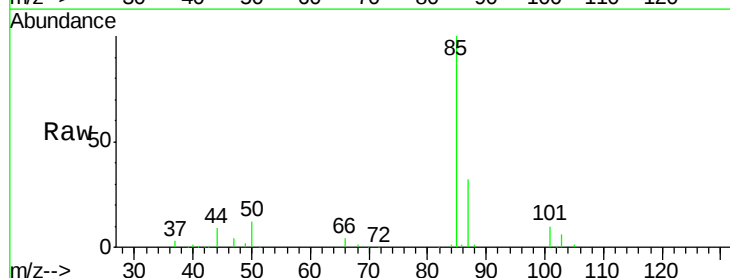
Acq: 5 Apr 2019 11:46

Tgt Ion: 85 Resp: 110198

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

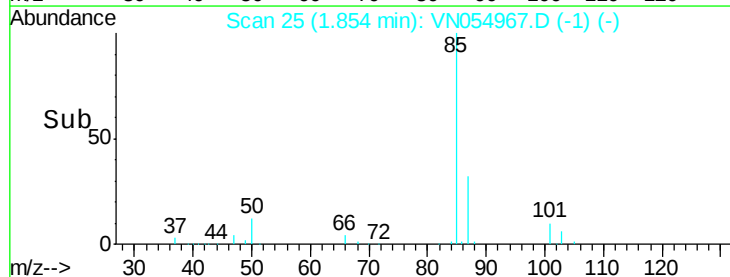
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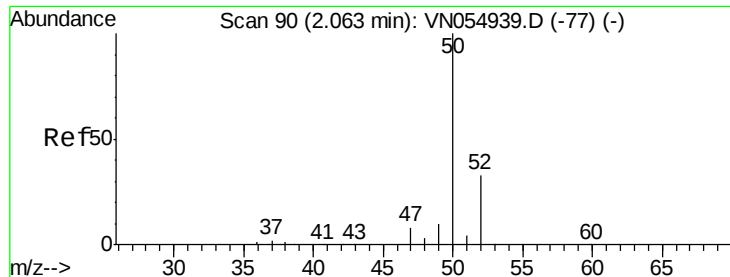
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.532 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 50 Resp: 135391

Ion Ratio Lower Upper

50 100

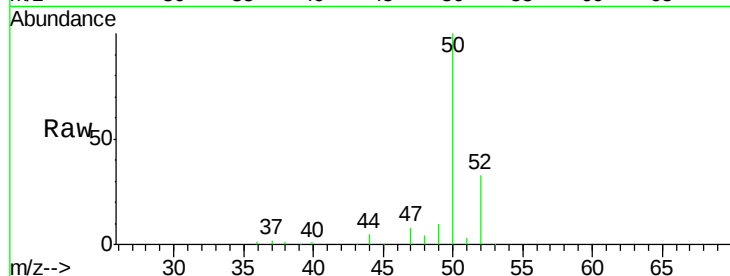
52 32.7 26.2 39.4

Manual Integrations

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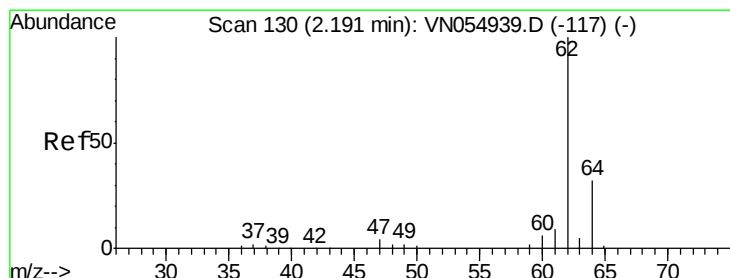
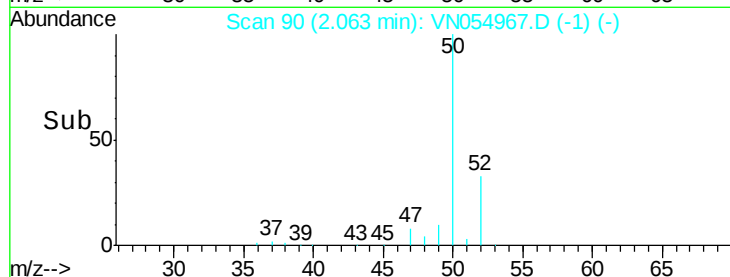
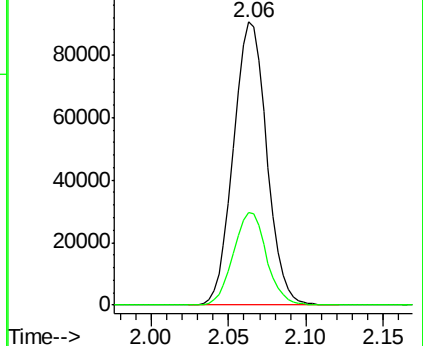
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.926 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054967.D

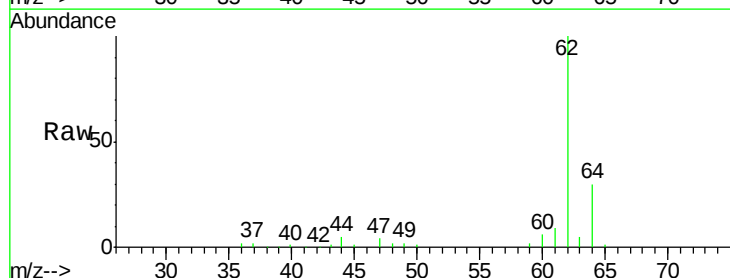
Acq: 5 Apr 2019 11:46

Tgt Ion: 62 Resp: 120684

Ion Ratio Lower Upper

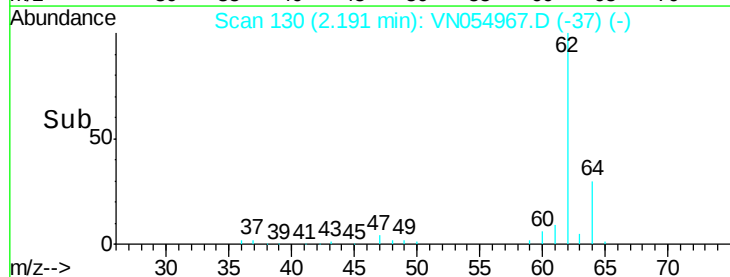
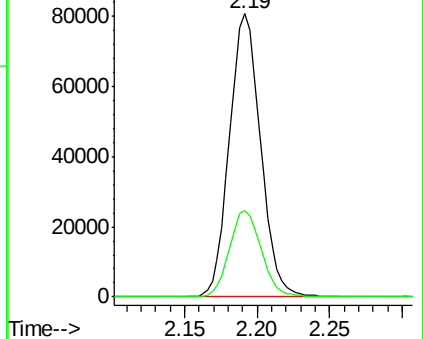
62 100

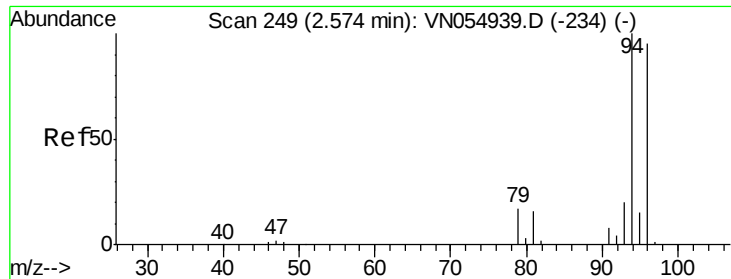
64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.462 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 94 Resp: 67285

Ion Ratio Lower Upper

94 100

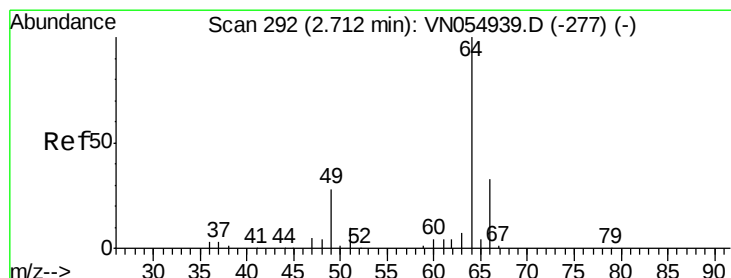
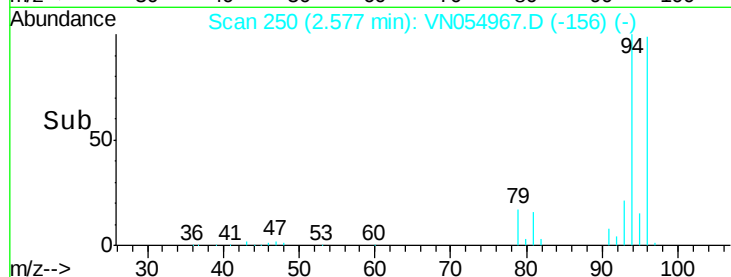
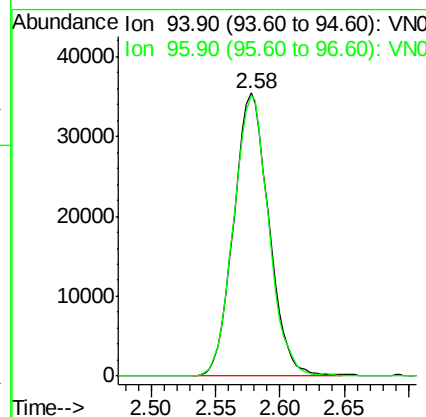
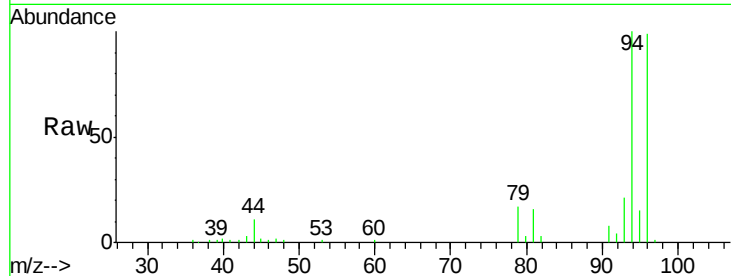
96 99.0 75.7 113.5

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#6

Chloroethane

Concen: 19.569 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054967.D

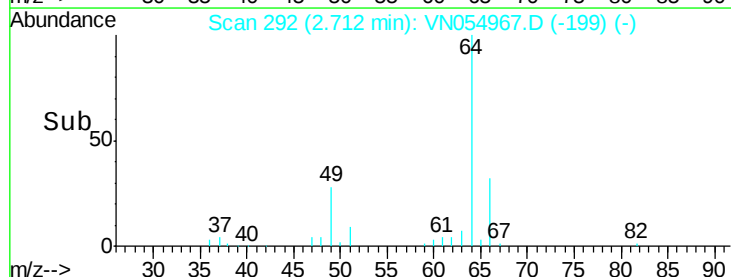
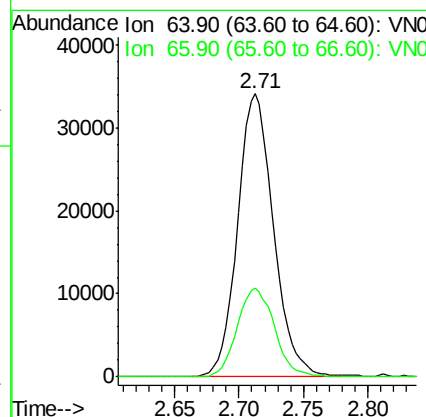
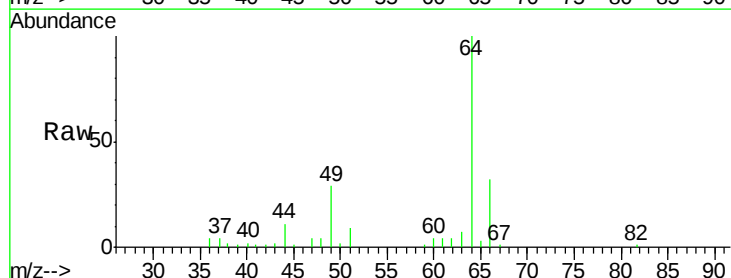
Acq: 5 Apr 2019 11:46

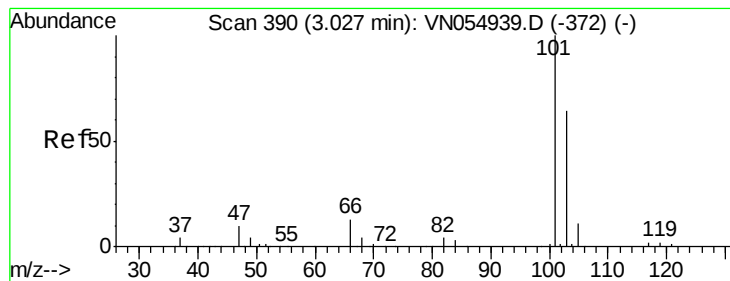
Tgt Ion: 64 Resp: 66103

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4





#7

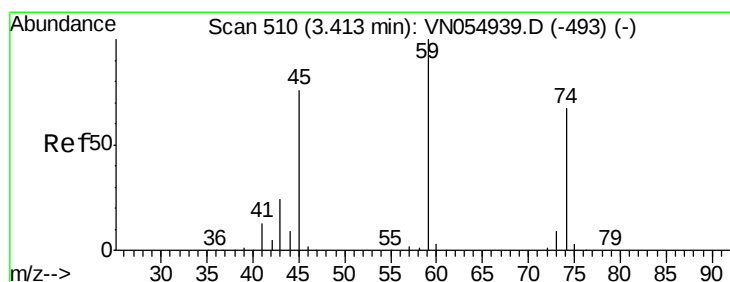
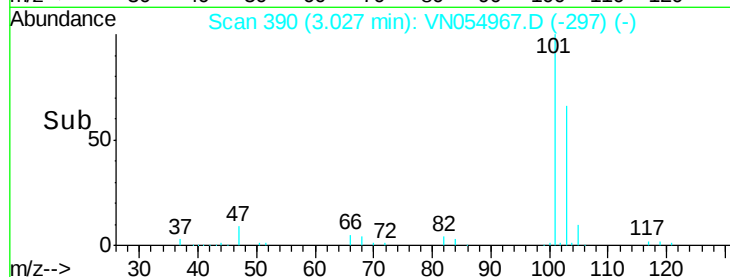
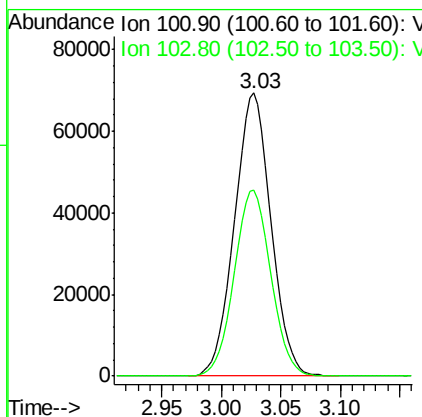
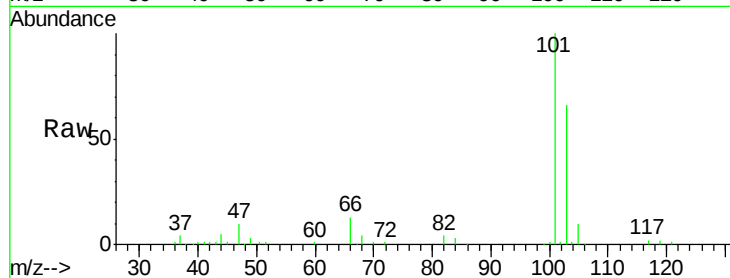
Trichlorofluoromethane
Concen: 20.065 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054967.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.3	76.9

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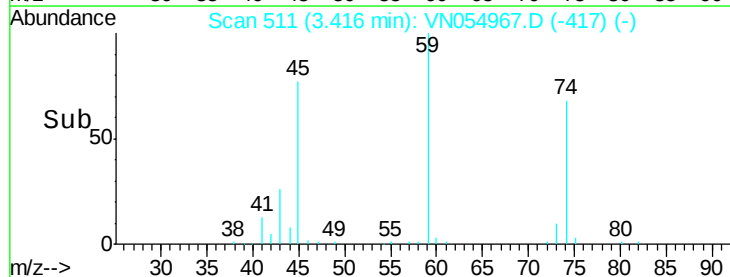
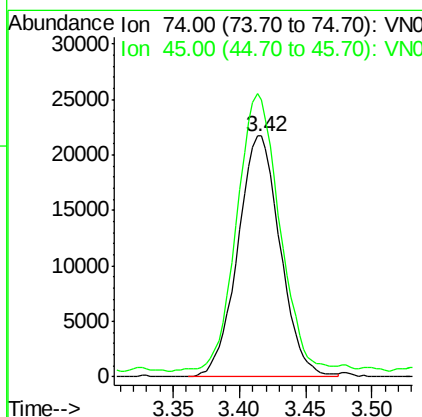
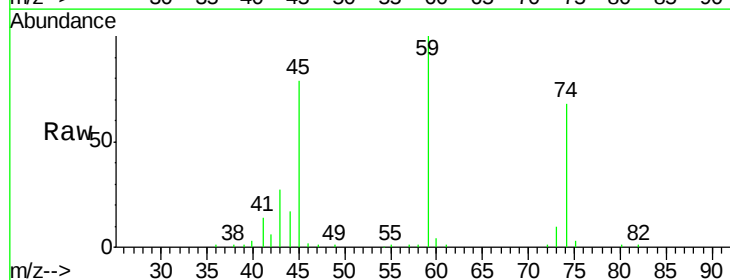
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4/8/2019 3:34:07 AM

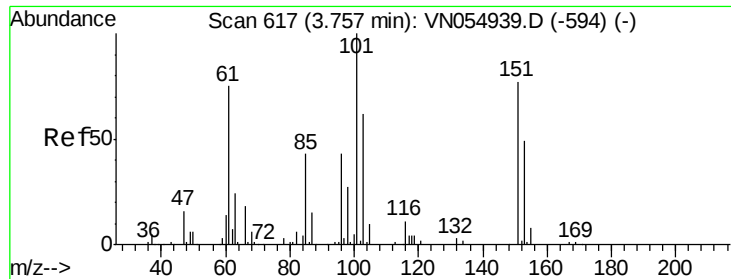


#8

Diethyl Ether
Concen: 20.613 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054967.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	56.3	168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.378 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054967.D

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Instrument :

MSVOA_N

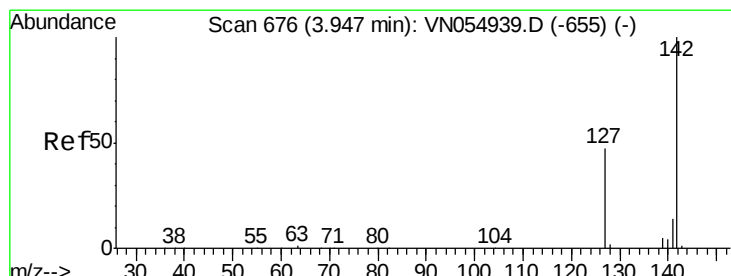
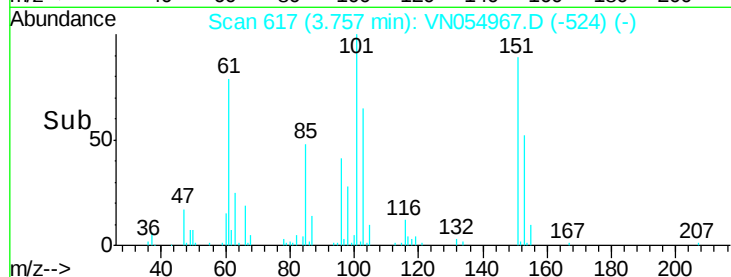
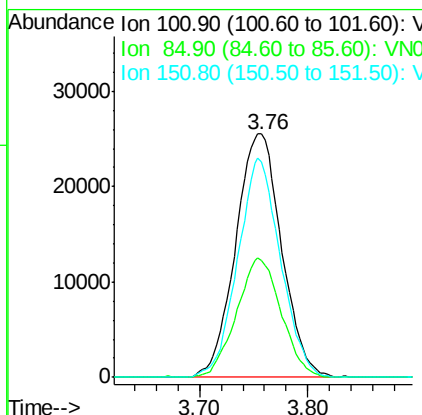
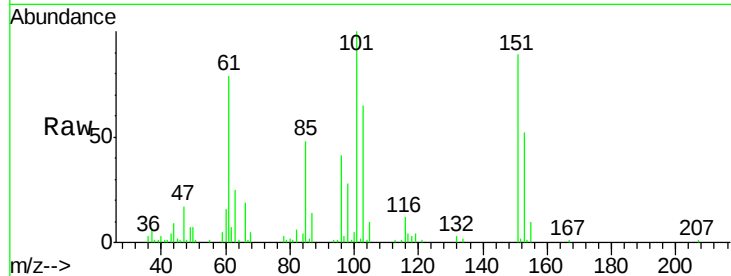
ClientSampleId :

VN0405WBS01

Tot Ion:	101	Resp:	75496
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.2	54.2
151	83.7	63.4	95.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.494 ug/l

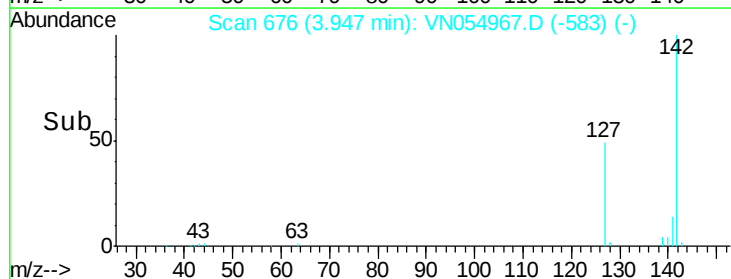
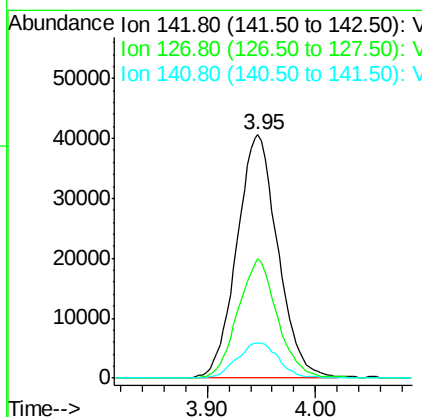
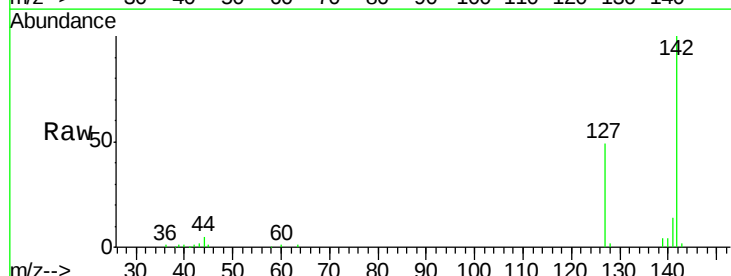
RT: 3.95 min Scan# 676

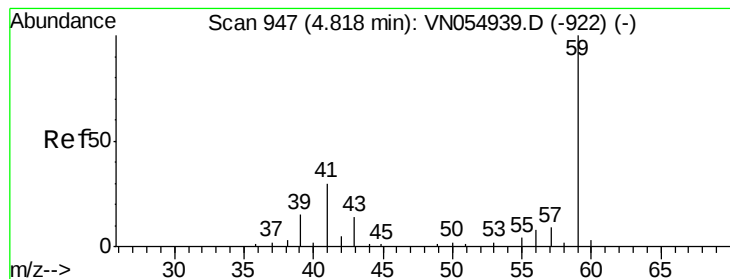
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	142	Resp:	107059
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.0	57.0
141	14.6	11.7	17.5





#11

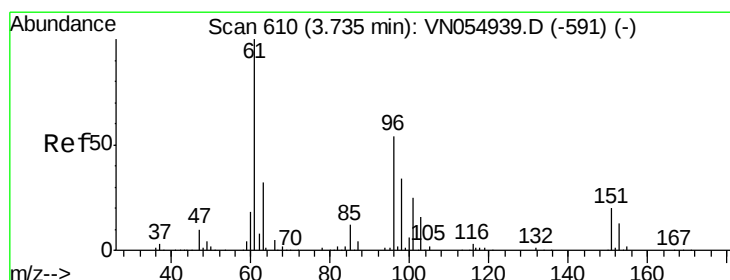
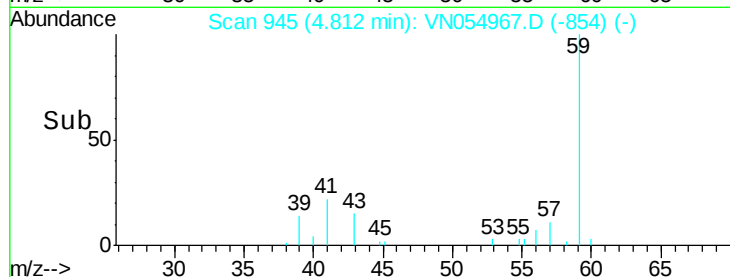
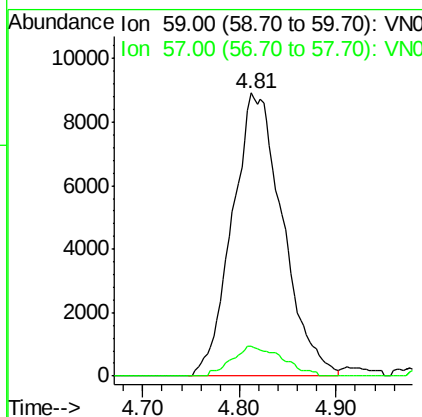
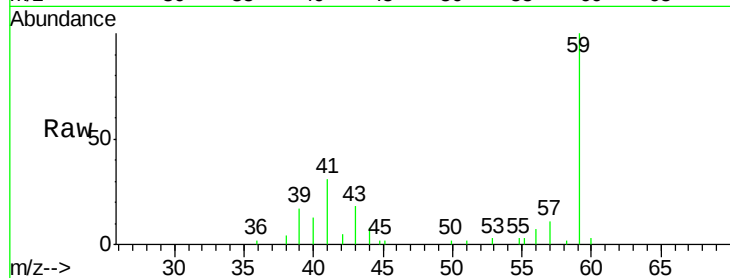
Tert butyl alcohol
 Concen: 108.132 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0405WBS01

Tot Ion: 59 Resp: 32257
 Ion Ratio Lower Upper
 59 100
 57 10.7 5.0 7.4#

Manual Integrations
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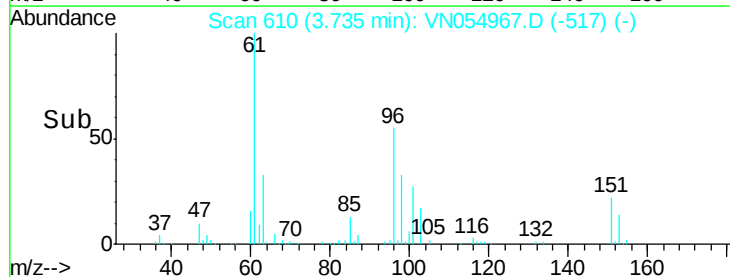
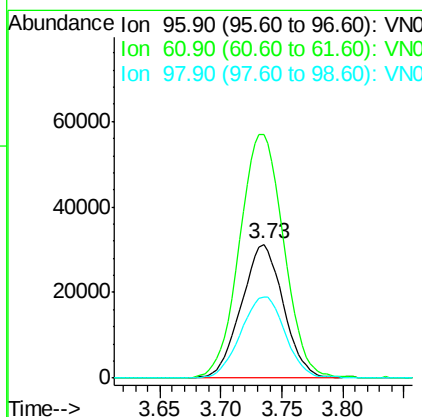
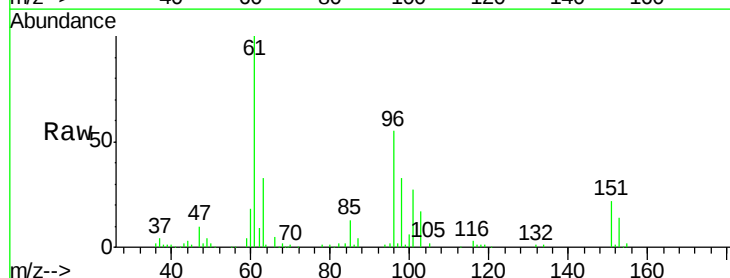
MMDadoda
 4/8/2019 3:34:07 AM

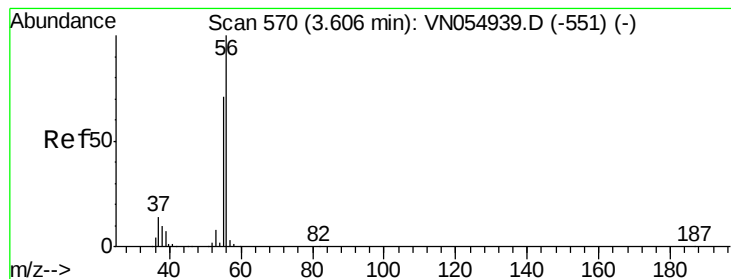


#12

1,1-Dichloroethene
 Concen: 19.287 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 96 Resp: 74539
 Ion Ratio Lower Upper
 96 100
 61 182.3 148.2 222.2
 98 60.9 50.2 75.4





#13

Acrolein

Concen: 92.458 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 56 Resp: 40589

Ion Ratio Lower Upper

56 100

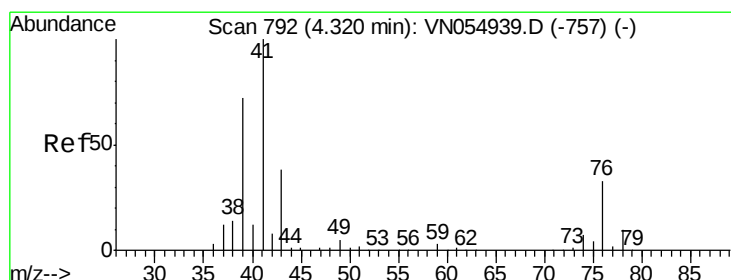
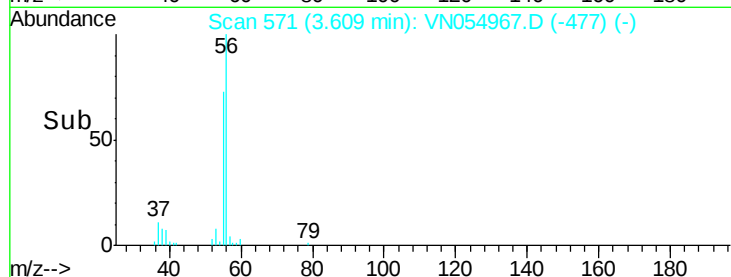
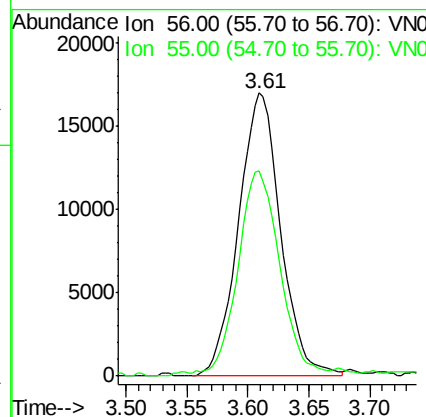
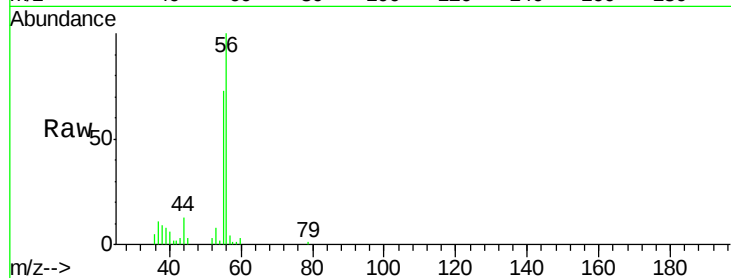
55 72.8 58.6 87.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.545 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

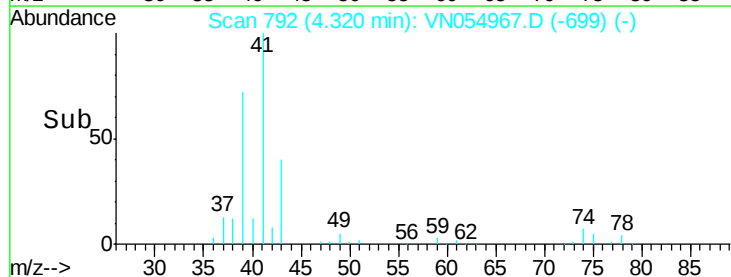
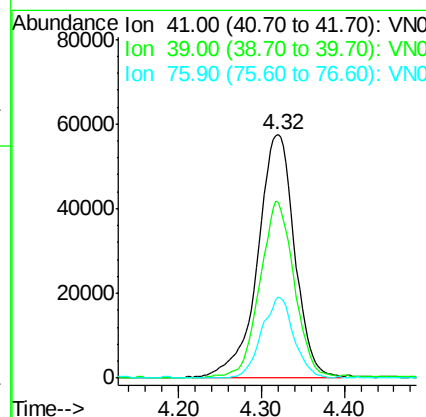
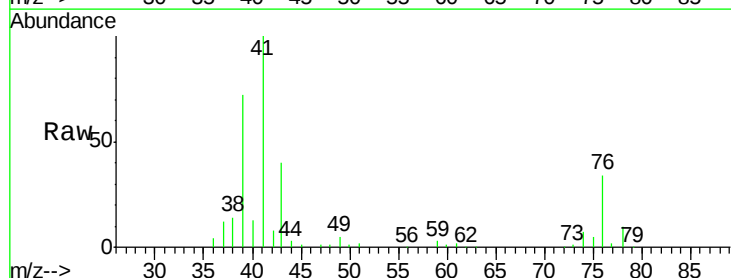
Tgt Ion: 41 Resp: 176226

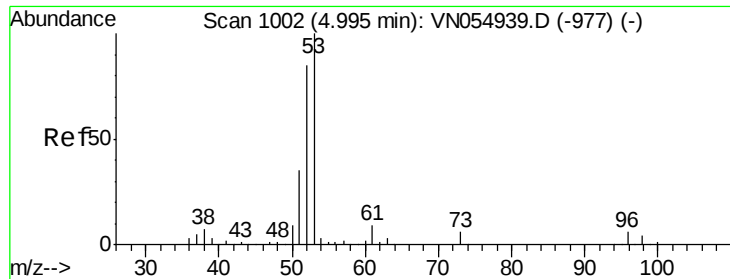
Ion Ratio Lower Upper

41 100

39 67.5 55.4 83.2

76 29.3 23.8 35.8





#15

Acrylonitrile

Concen: 102.652 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

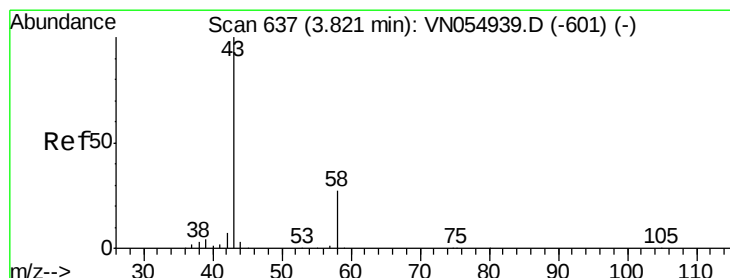
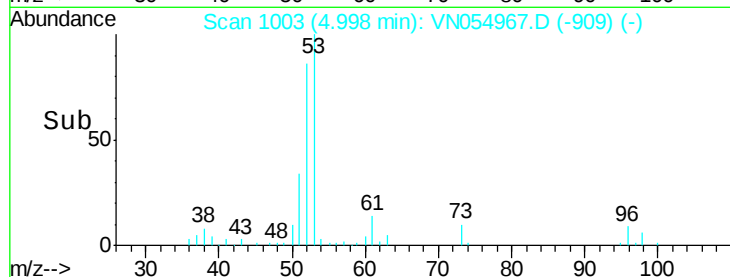
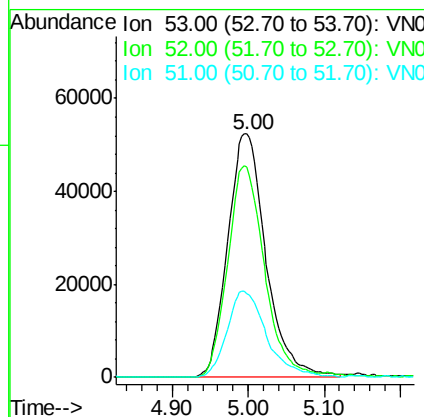
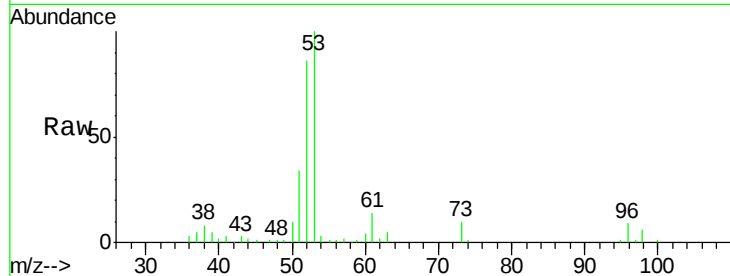
ClientSampleId :

VN0405WBS01

Tot Ion:	53	Resp:	183633
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.4	99.6
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 89.591 ug/l

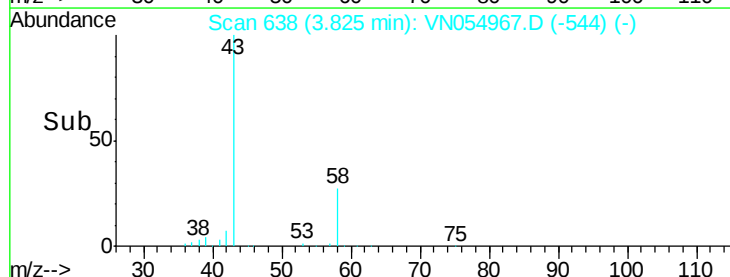
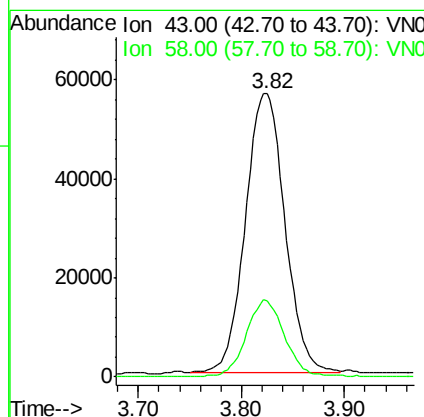
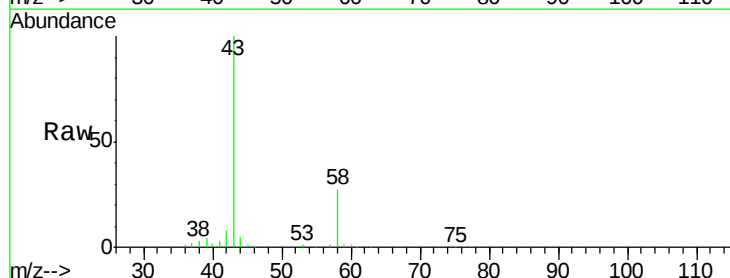
RT: 3.82 min Scan# 638

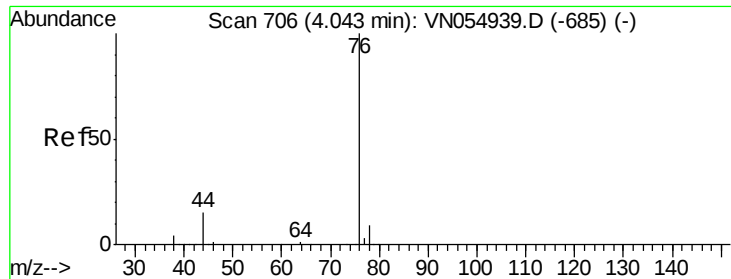
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	43	Resp:	149713
Ion Ratio	Lower	Upper	
43	100		
58	27.4	21.7	32.5





#17

Carbon Disulfide

Concen: 19.500 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 76 Resp: 239890

Ion Ratio Lower Upper

76 100

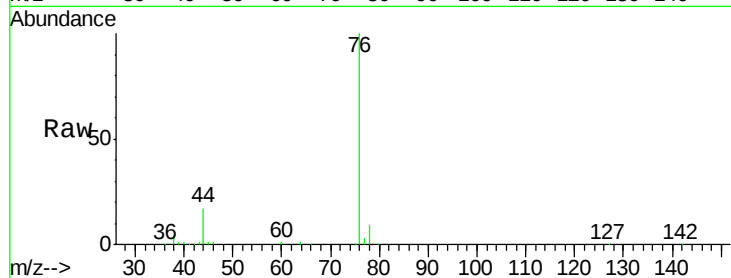
78 8.9 7.1 10.7

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

100000

80000

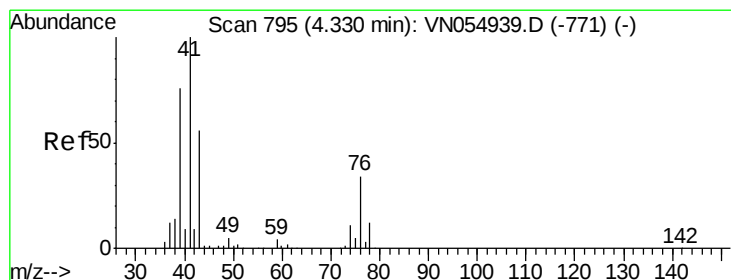
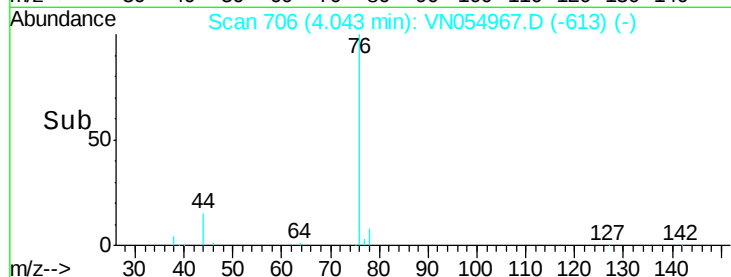
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.962 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054967.D

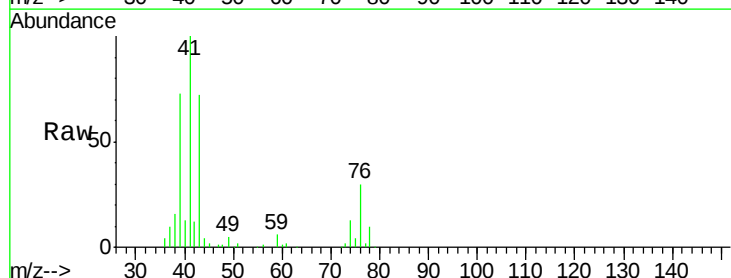
Acq: 5 Apr 2019 11:46

Tgt Ion: 43 Resp: 85955

Ion Ratio Lower Upper

43 100

74 18.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

30000

25000

20000

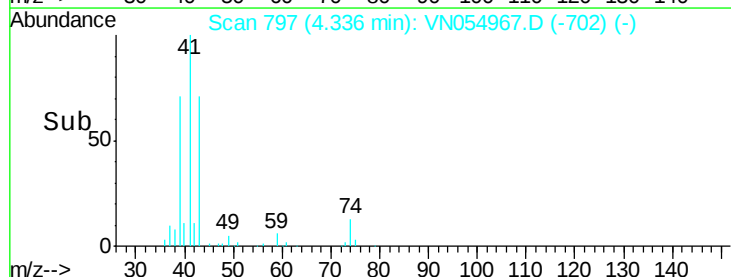
15000

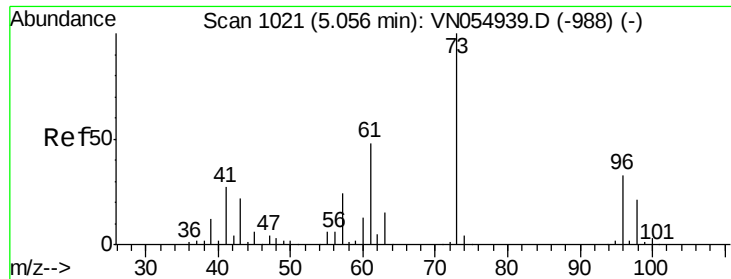
10000

5000

0

Time--> 4.20 4.30 4.40





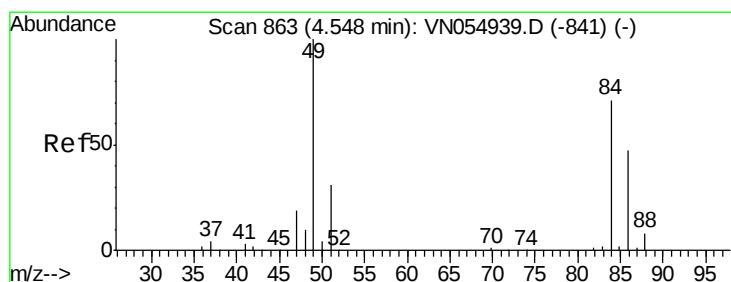
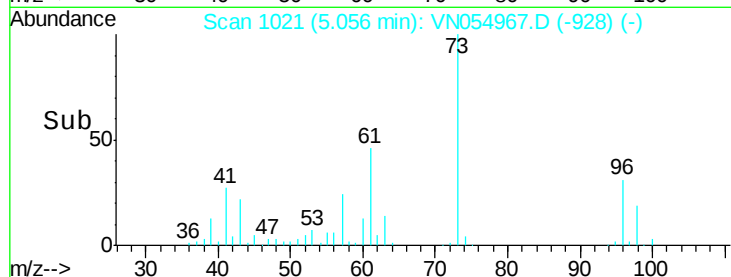
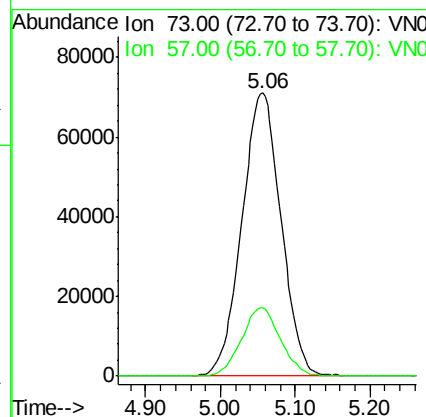
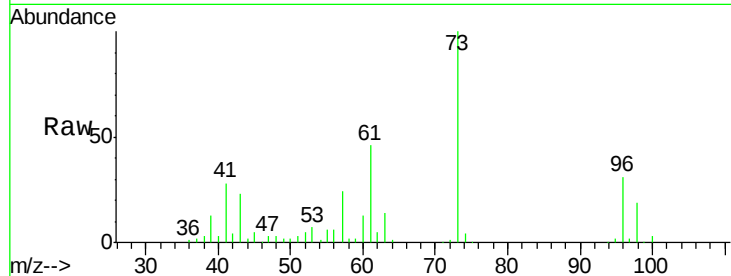
#19
Methvl tert-butvl Ether
Concen: 20.641 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion: 73 Resp: 258753
Ion Ratio Lower Upper
73 100
57 24.3 19.5 29.3

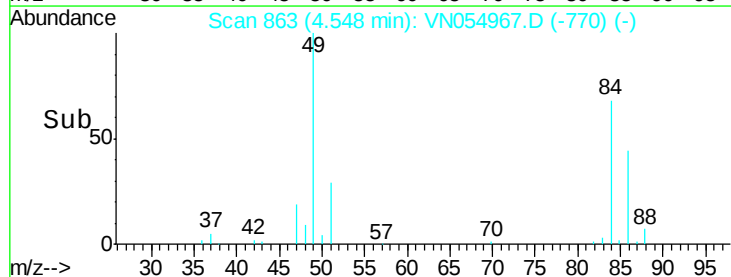
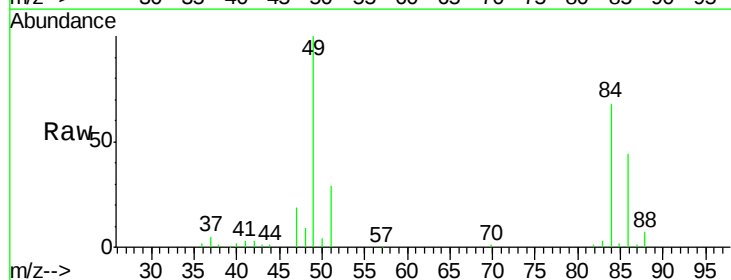
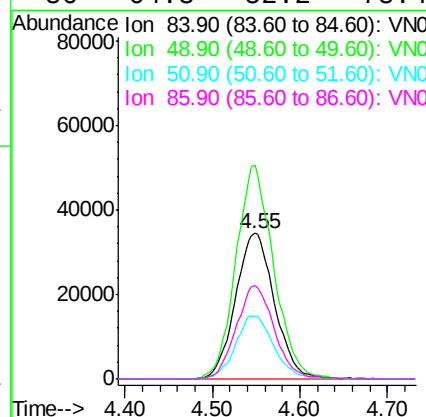
Manual Integrations
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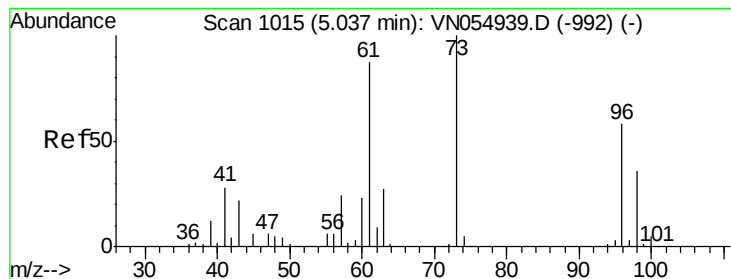
MMDadoda
4/8/2019 3:34:07 AM



#20
Methylene Chloride
Concen: 19.864 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 84 Resp: 106577
Ion Ratio Lower Upper
84 100
49 147.0 112.1 168.1
51 43.3 34.5 51.7
86 64.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.153 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

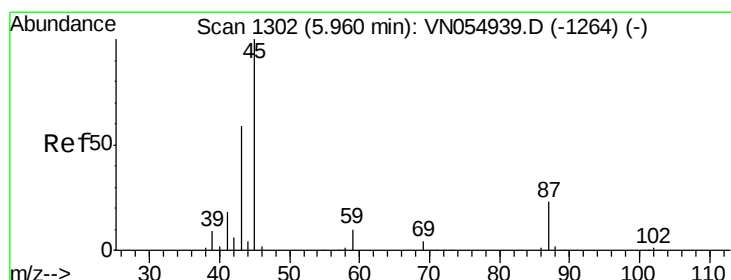
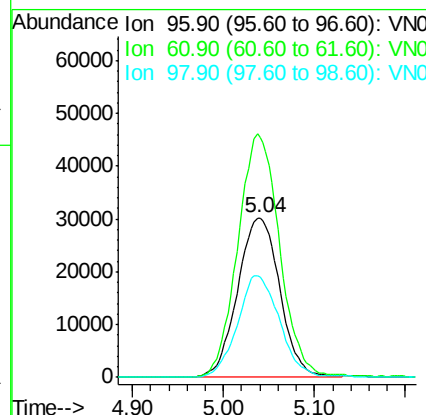
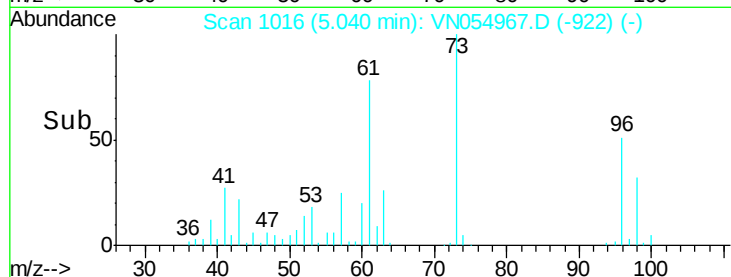
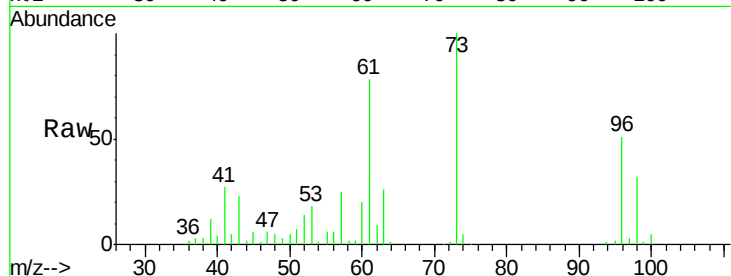
ClientSampled :

VN0405WBS01

Tot Ion:	96	Resp:	97277
Ion	Ratio	Lower	Upper
96	100		
61	150.9	120.1	180.1
98	62.9	49.3	73.9

Manual Integrations
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4/8/2019 3:34:07 AM



#22

Diisopropyl ether

Concen: 20.686 ug/l

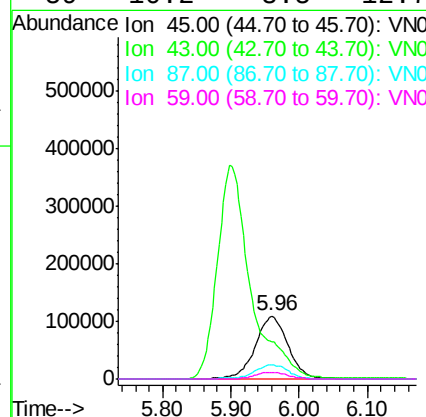
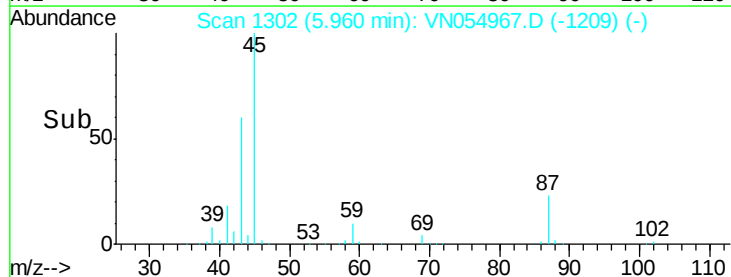
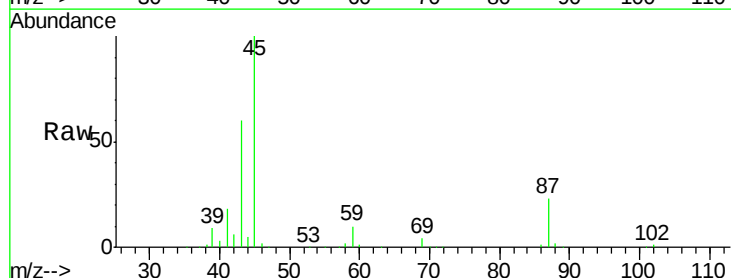
RT: 5.96 min Scan# 1302

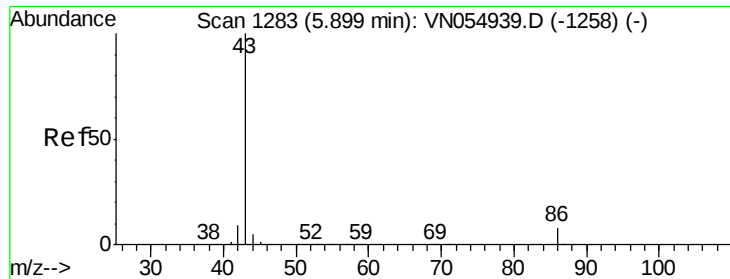
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	45	Resp:	364422
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.9	70.3
87	22.3	18.6	28.0
59	10.2	8.5	12.7





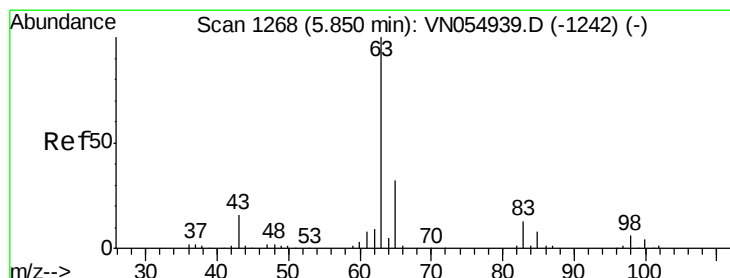
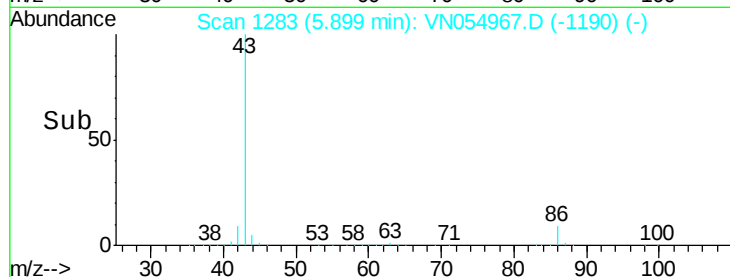
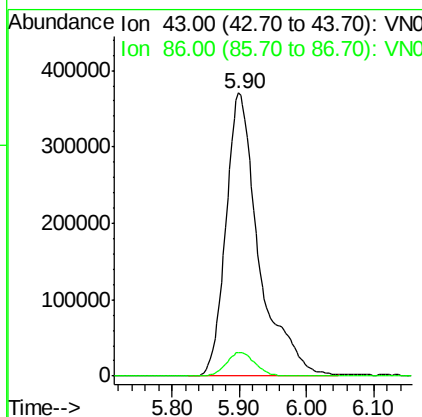
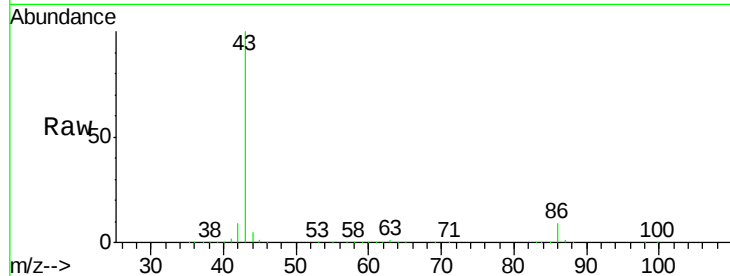
#23
 Vinyl Acetate
 Concen: 102.912 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion: 43 Resp: 1261531
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.7 10.1

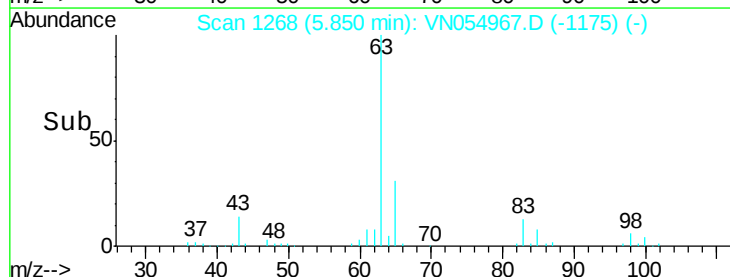
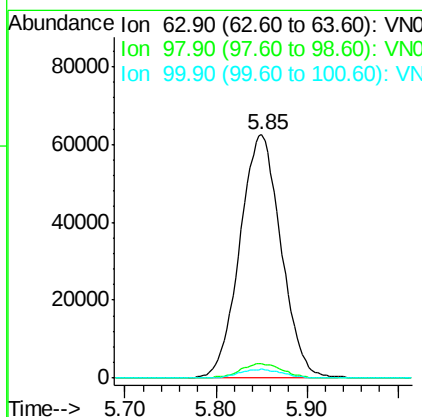
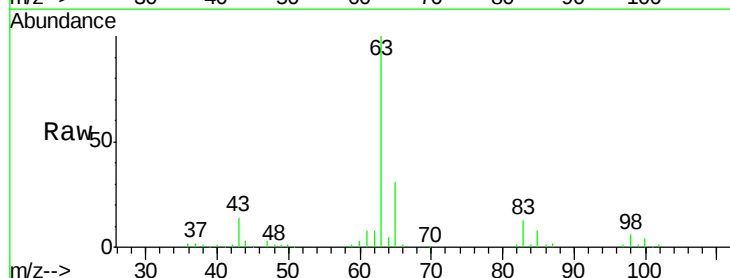
Manual Integrations
 APPROVED

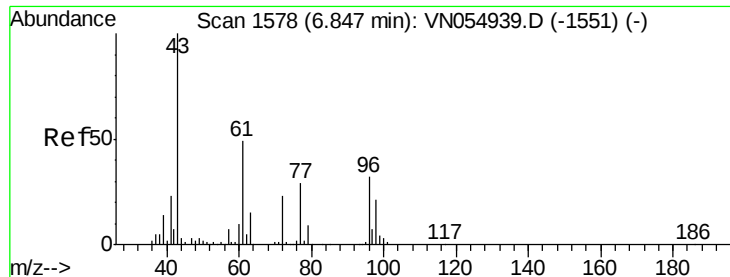
MMDadoda
 4/8/2019 3:34:07 AM



#24
 1,1-Dichloroethane
 Concen: 20.435 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 63 Resp: 196317
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 3.7 2.1 6.2





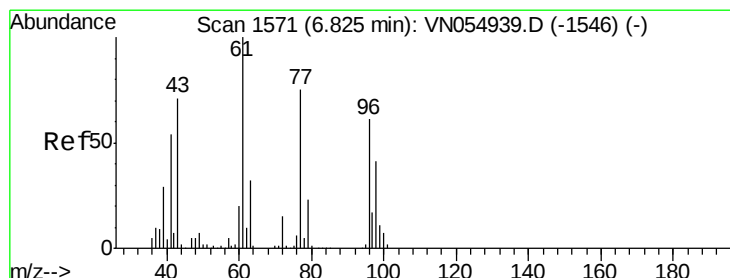
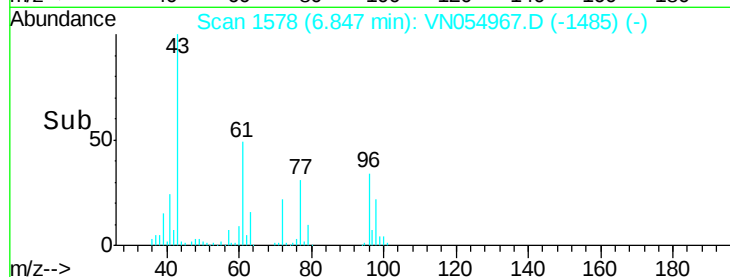
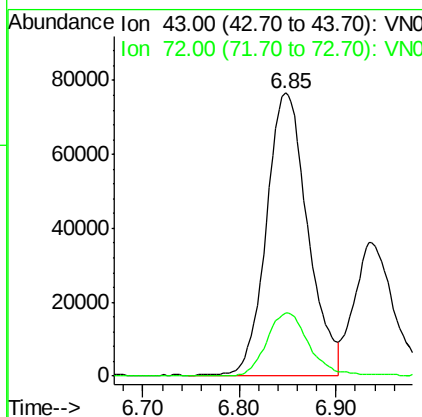
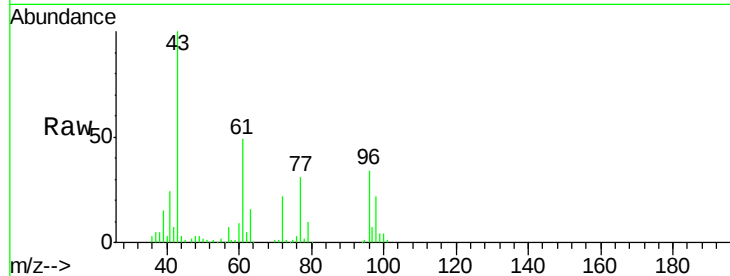
#25
2-Butanone
Concen: 104.143 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion: 43 Resp: 226059
Ion Ratio Lower Upper
43 100
72 22.2 18.3 27.5

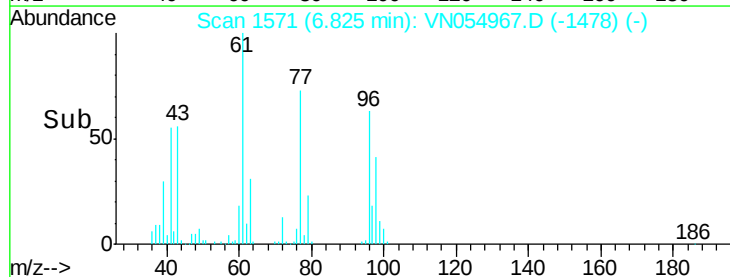
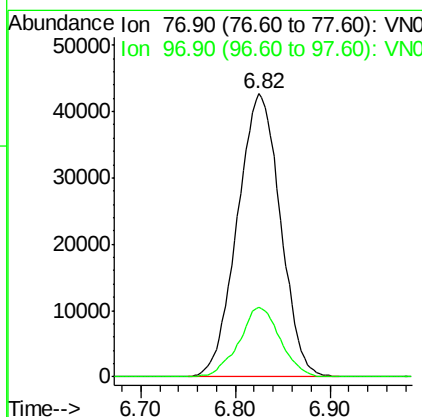
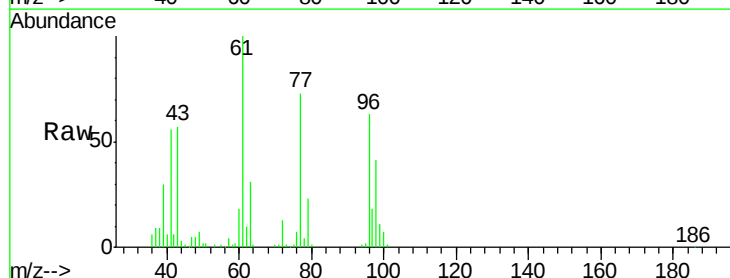
Manual Integrations
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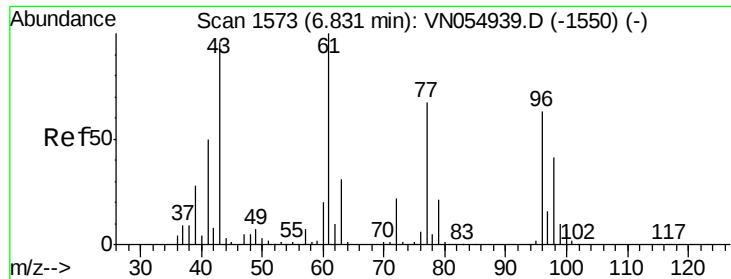
MMDadoda
4/8/2019 3:34:07 AM



#26
2,2-Dichloropropane
Concen: 19.995 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 77 Resp: 134657
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

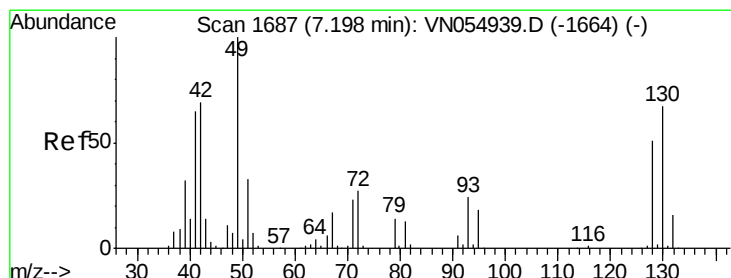
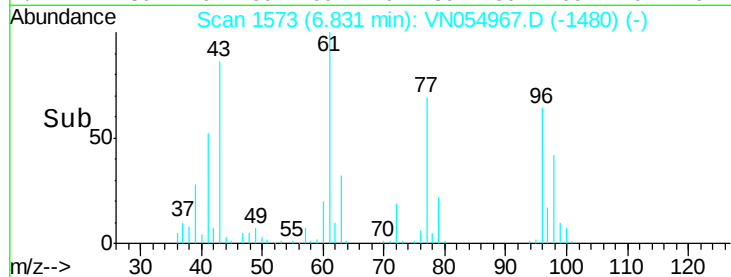
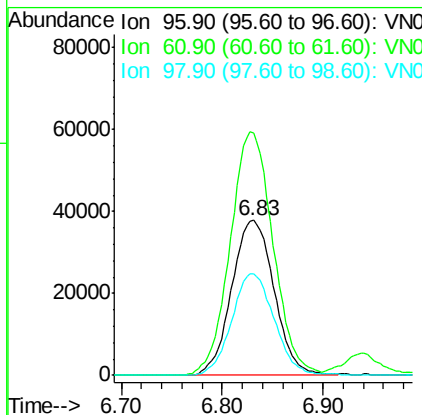
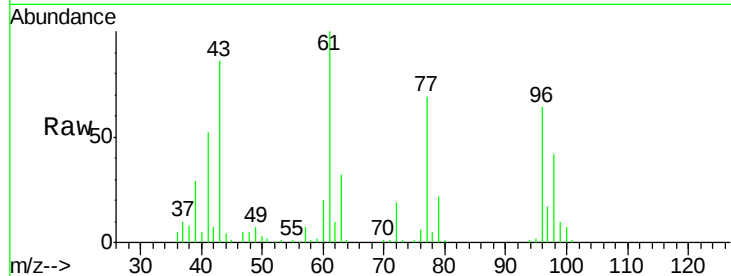
ClientSampled :

VN0405WBS01

Tot Ion:	96	Resp:	110915
Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	316.2
98	65.1	0.0	129.6

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#28

Bromochloromethane

Concen: 19.489 ug/l

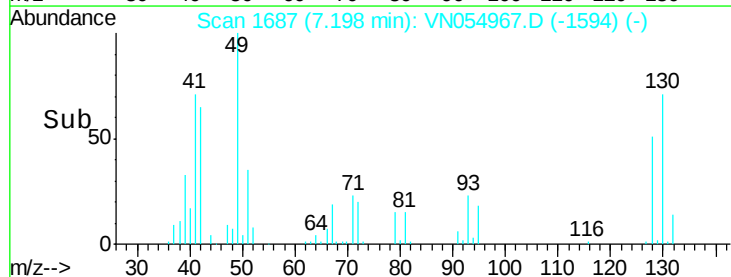
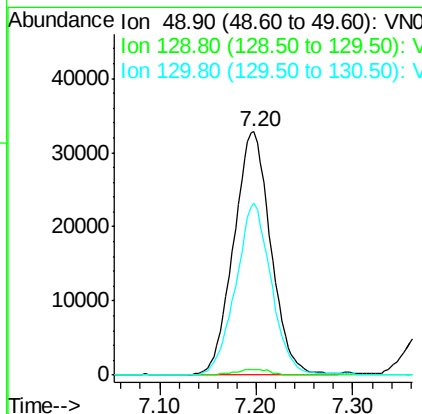
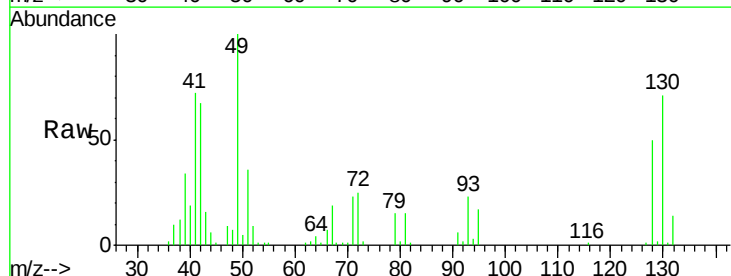
RT: 7.20 min Scan# 1687

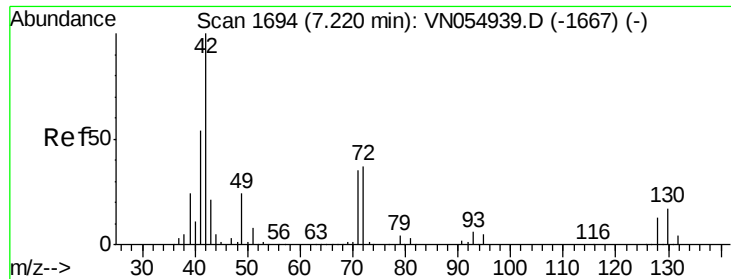
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	49	Resp:	87711
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	67.4	53.1	79.7





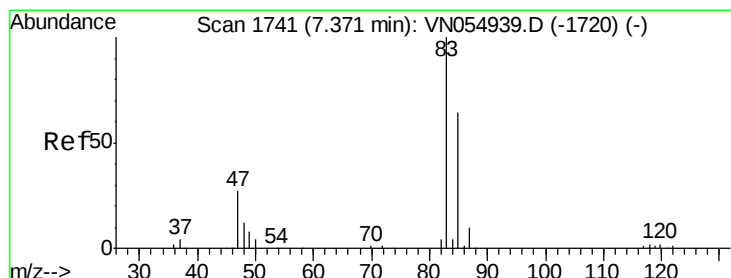
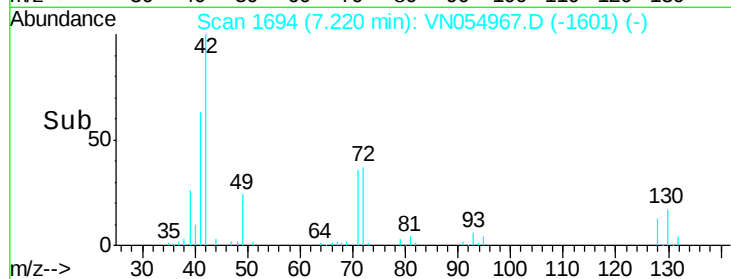
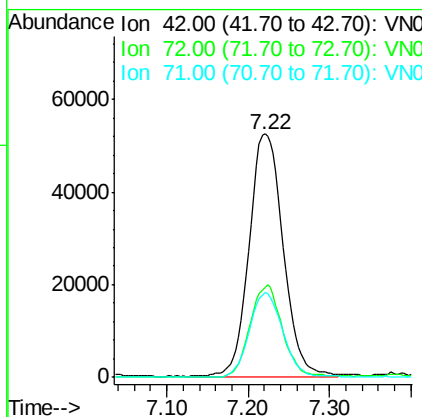
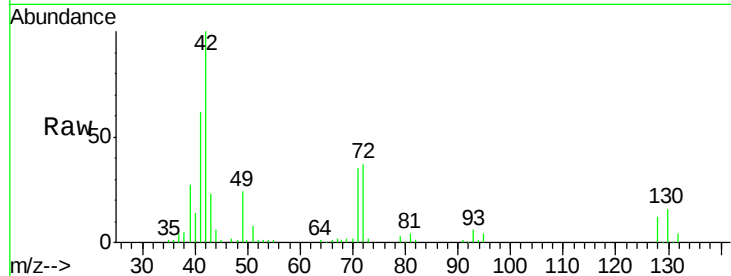
#29
Tetrahydrofuran
Concen: 105.877 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.3	43.9
71	34.5	27.8	41.6

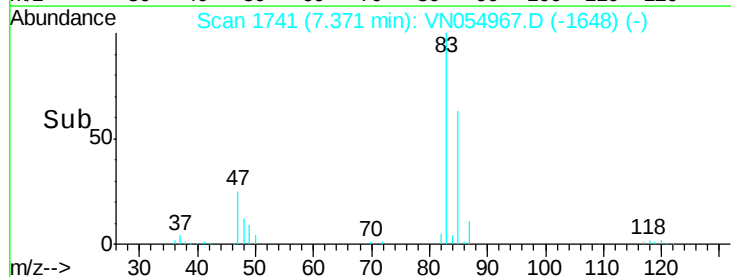
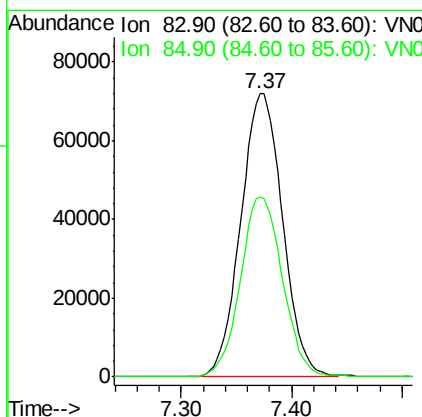
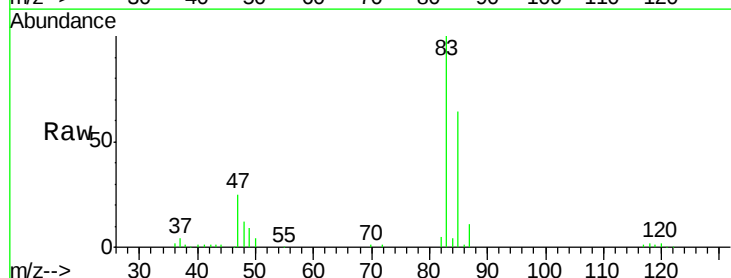
Manual Integrations
APPROVED

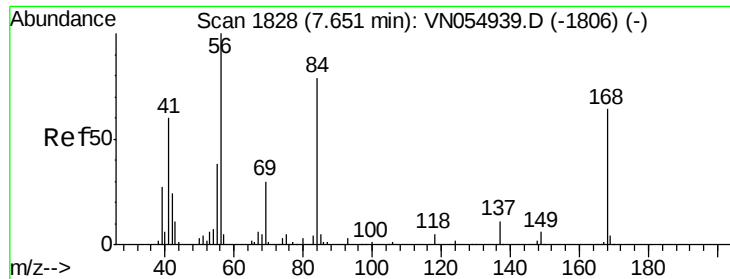
MMDadoda
4/8/2019 3:34:07 AM



#30
Chloroform
Concen: 20.790 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.0





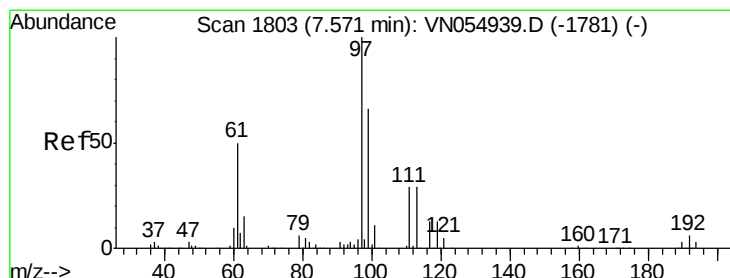
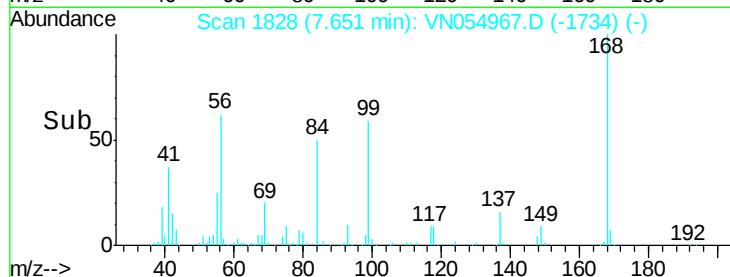
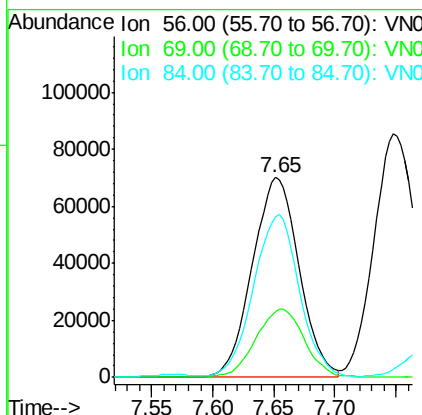
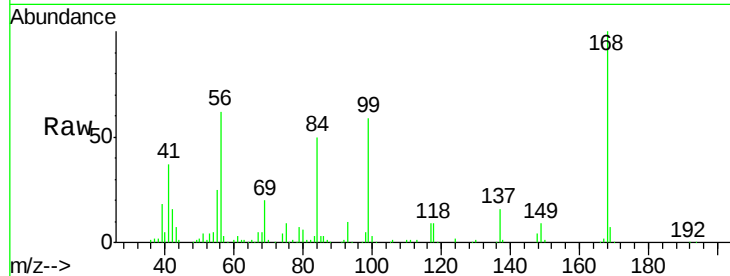
#31
Cyclohexane
Concen: 19.544 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.8	35.6
84	79.3	61.8	92.8

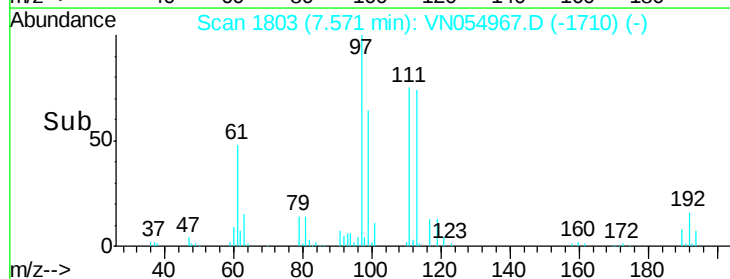
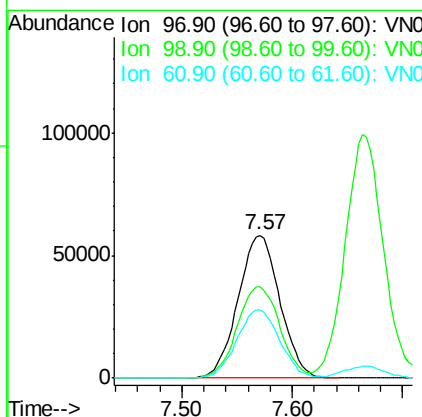
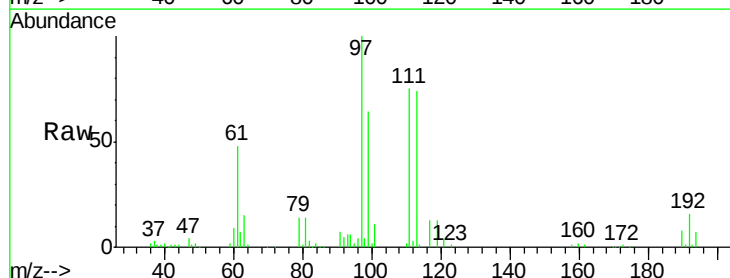
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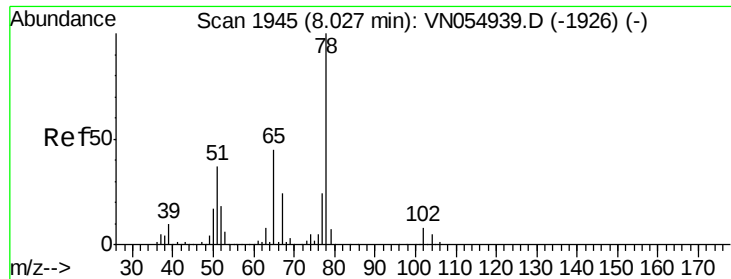
MMDadoda
4/8/2019 3:34:07 AM



#32
1,1,1-Trichloroethane
Concen: 19.911 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.1	78.1
61	49.0	39.6	59.4





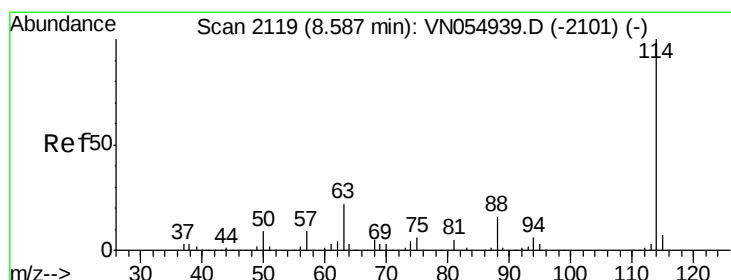
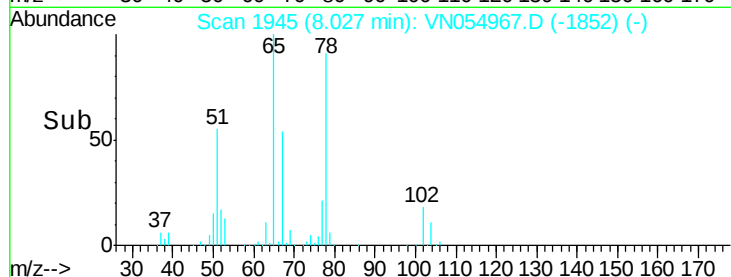
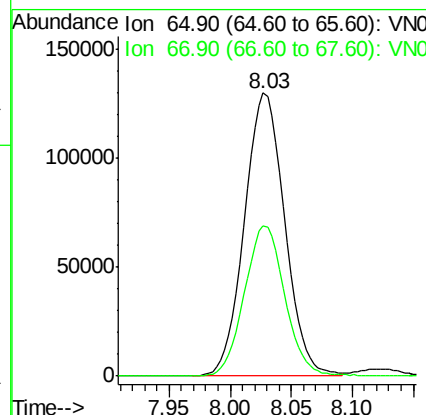
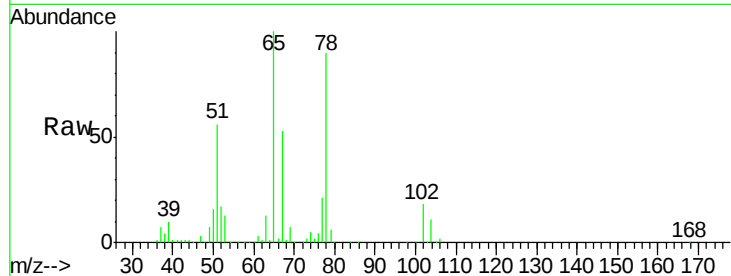
#33
 1,2-Dichloroethane-d4
 Concen: 51.366 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296938		
67	53.4	0.0	105.6	

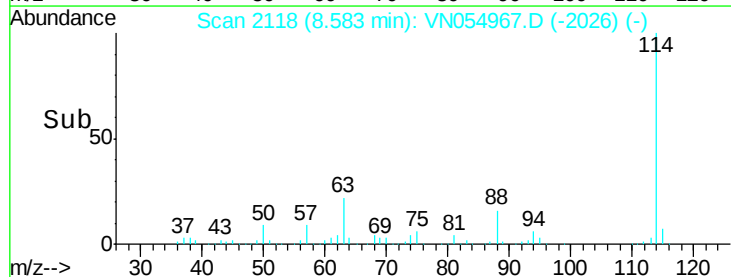
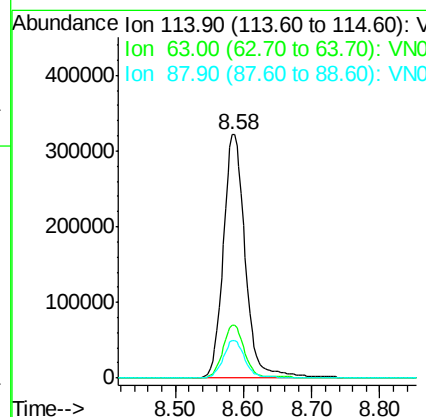
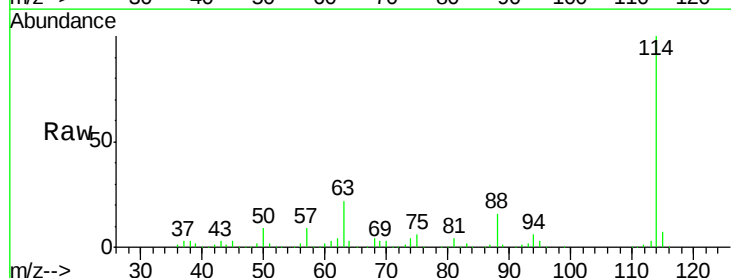
Manual Integrations
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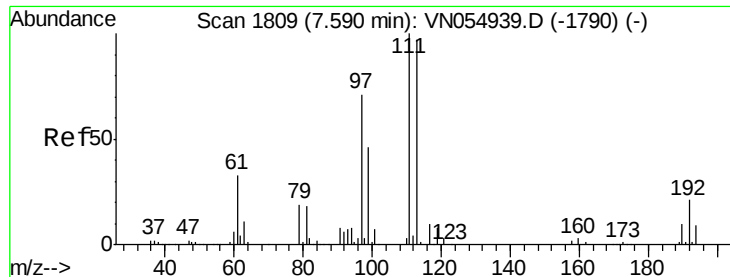
MMDadoda
 4/8/2019 3:34:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	721790		
63	21.7	0.0	44.6	
88	15.6	0.0	32.0	





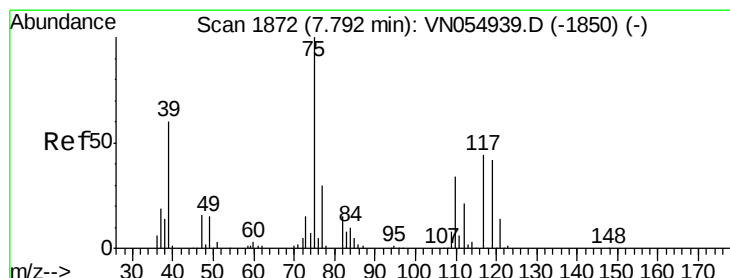
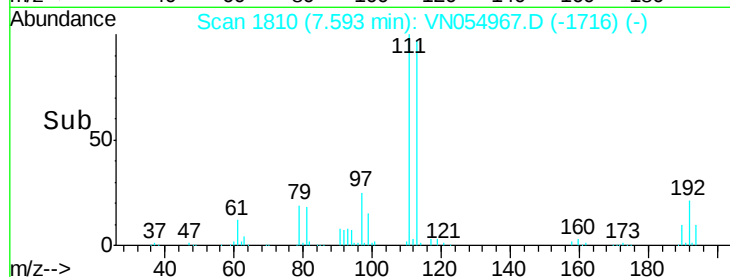
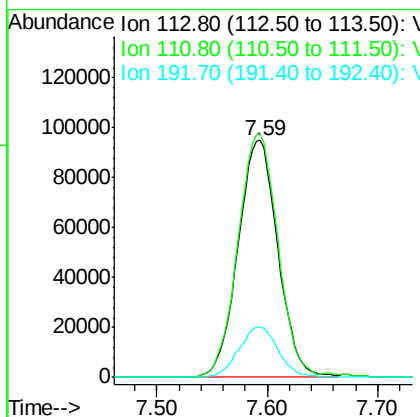
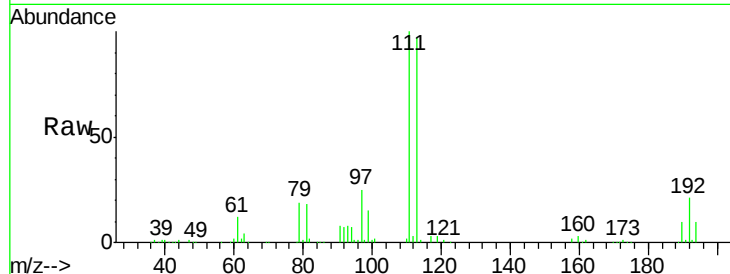
#35
 Dibromofluoromethane
 Concen: 50.645 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.0	121.4	
192	21.0	16.5	24.7	

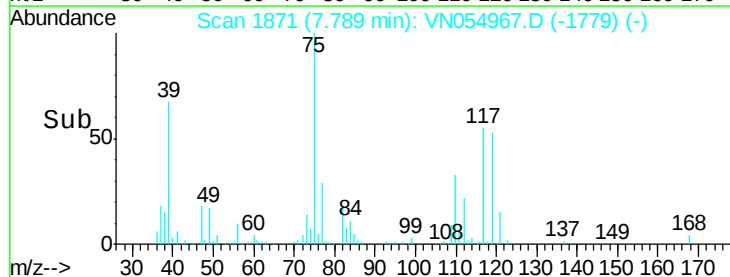
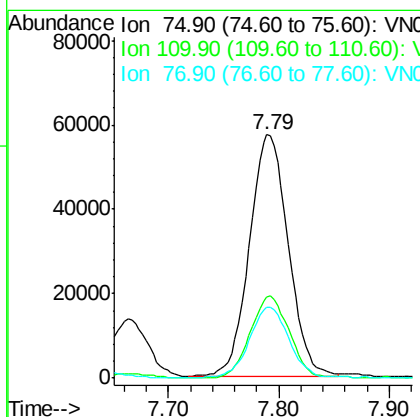
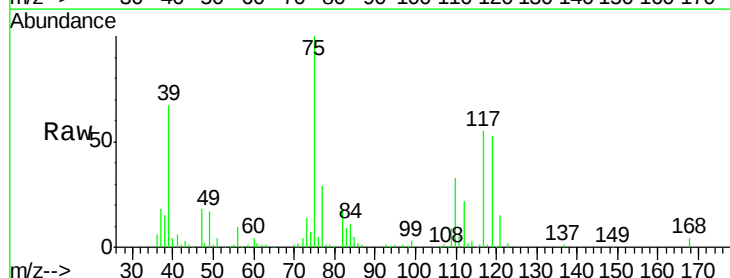
Manual Integrations
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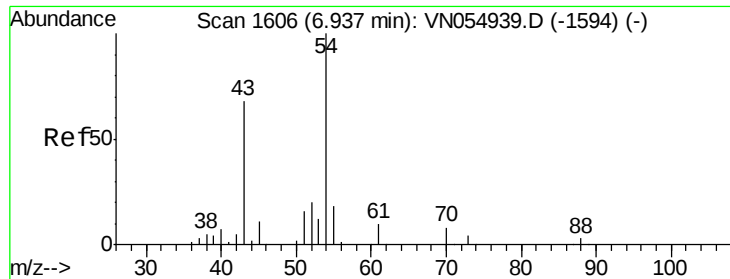
MMDadoda
 4/8/2019 3:34:07 AM



#36
 1,1-Dichloropropene
 Concen: 19.494 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	17.0	50.9	
77	30.6	25.3	37.9	





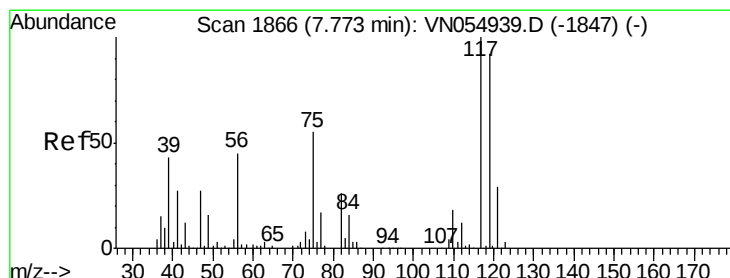
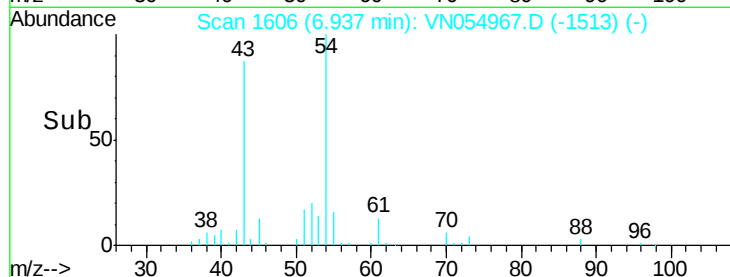
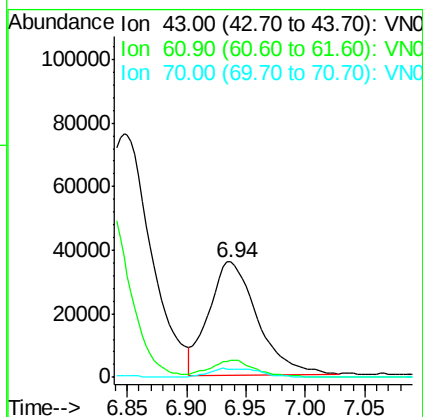
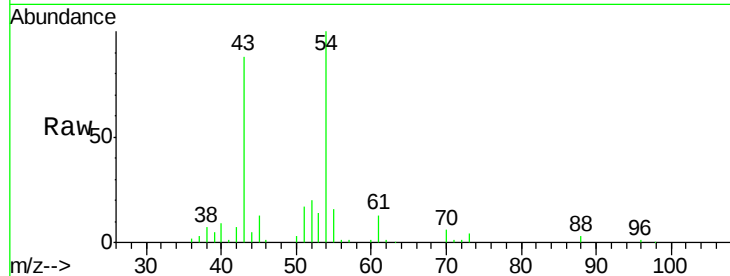
#37
Ethyl Acetate
Concen: 20.431 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.3	15.5
70	8.3	7.0	10.4

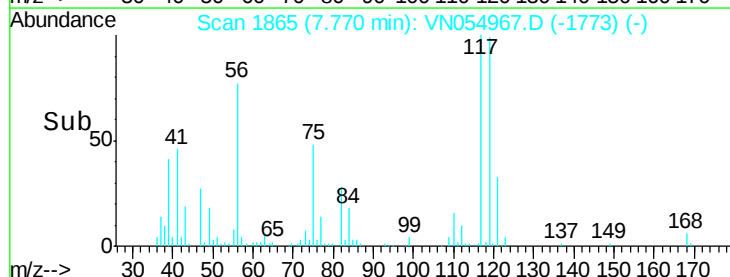
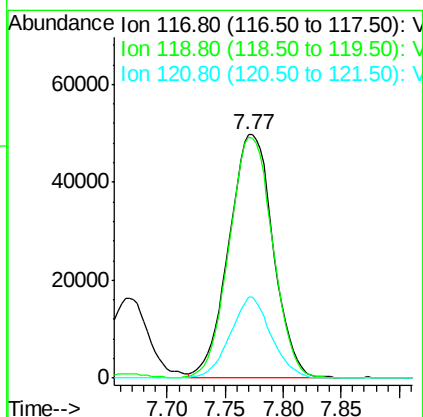
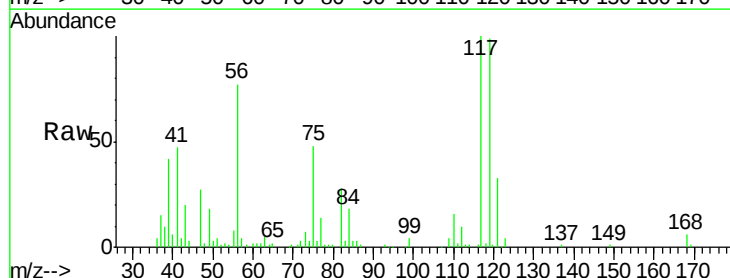
Manual Integrations
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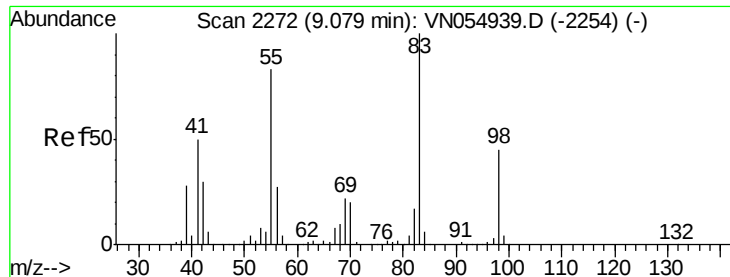
MMDadoda
4/8/2019 3:34:07 AM



#38
Carbon Tetrachloride
Concen: 19.130 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	73.6	110.4
121	33.0	23.4	35.0





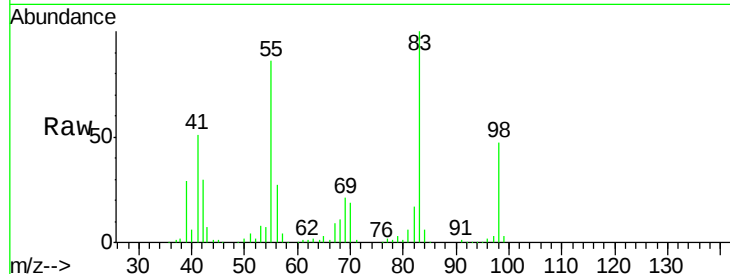
#39
Methvlcvclohexane
Concen: 20.050 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	66.4	99.6
98	46.6	36.4	54.6

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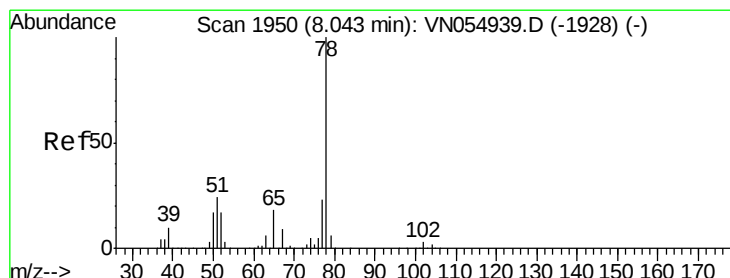
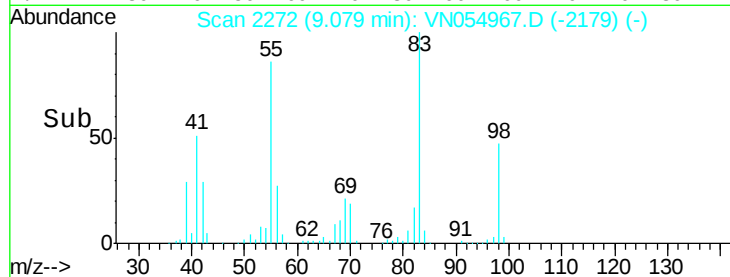
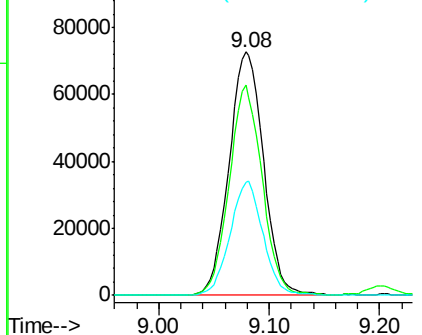


Abundance

Ion 83.00 (82.70 to 83.70): VN0

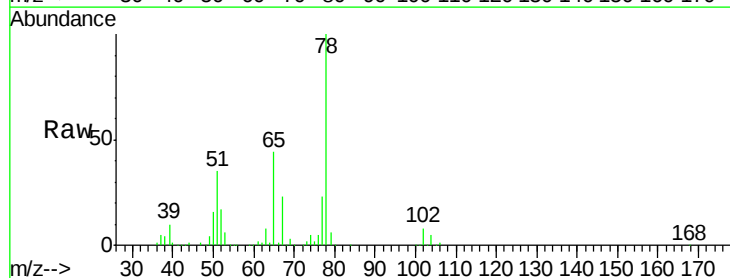
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.697 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

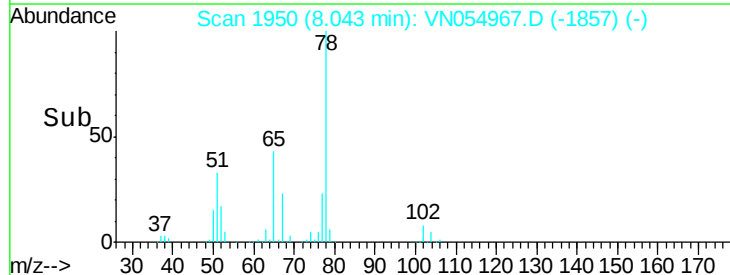
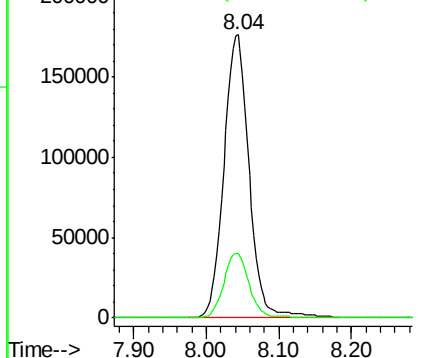
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	27.8

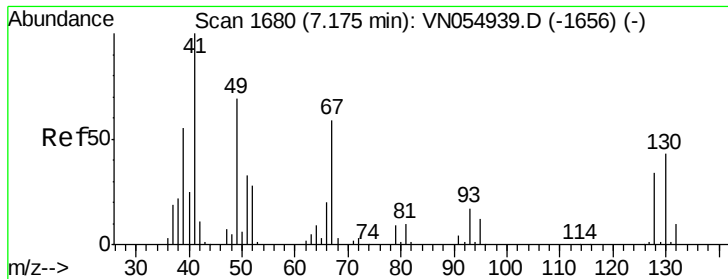


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





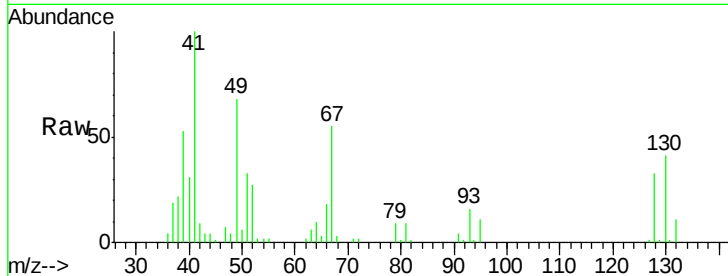
#41
Methacrylonitrile
Concen: 18.174 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

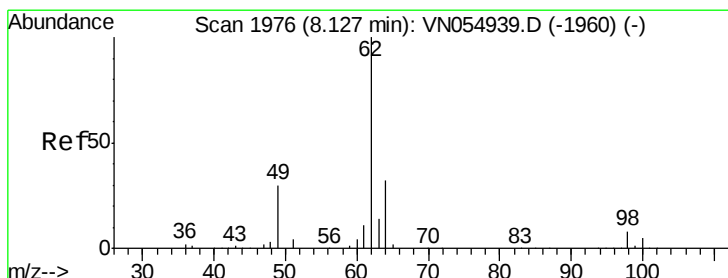
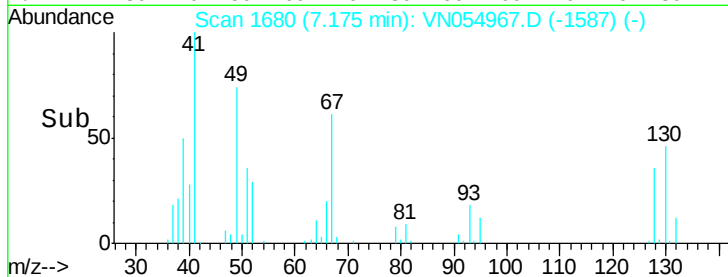
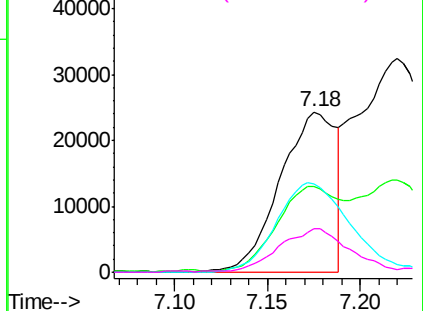
Tot Ion:	41	Resp:	51003
Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.0	64.6
67	74.3	55.0	82.6
52	31.8	24.4	36.6

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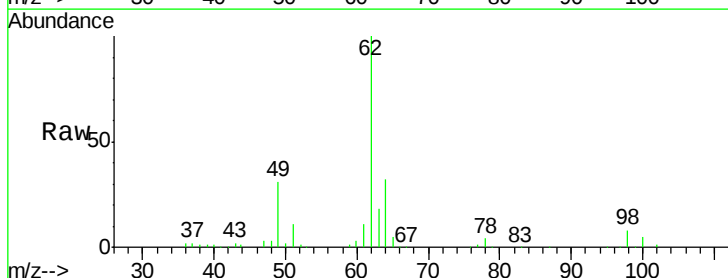


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

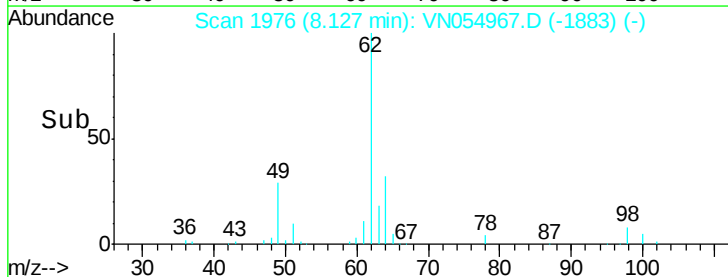
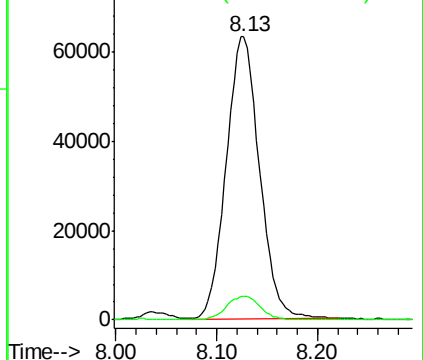


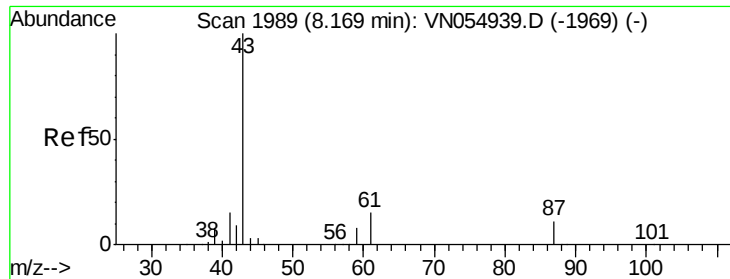
#42
1,2-Dichloroethane
Concen: 20.200 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion:	62	Resp:	146077
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.0



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





#43

Isopropyl Acetate

Concen: 20.283 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

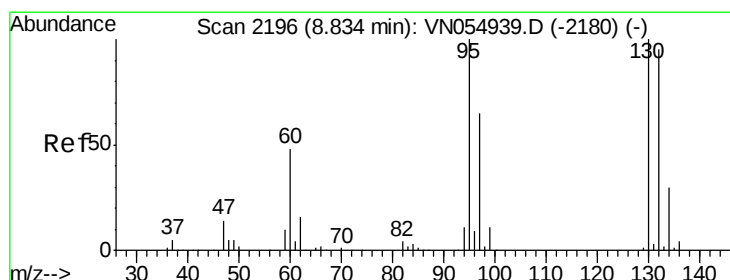
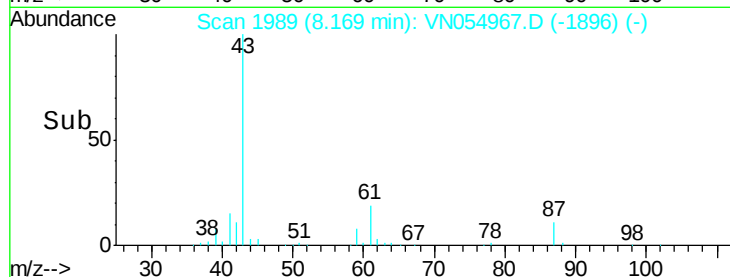
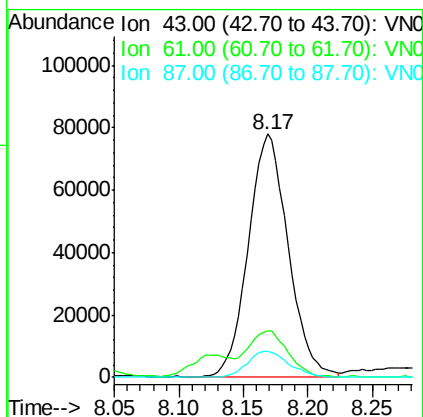
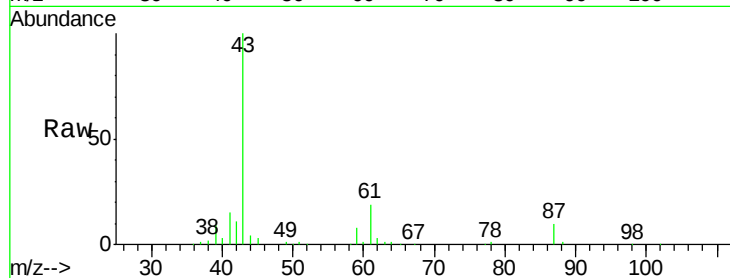
ClientSampleId :

VN0405WBS01

Tot Ion:	43	Resp:	167770
Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.4	21.6
87	11.1	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.477 ug/l

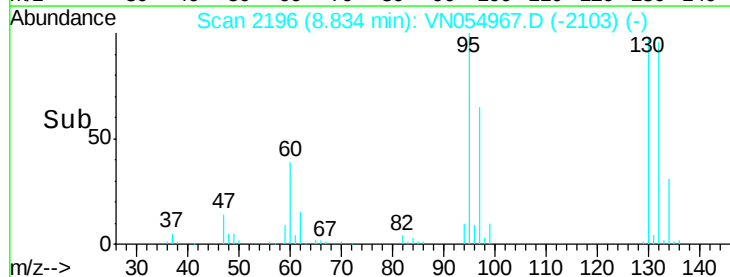
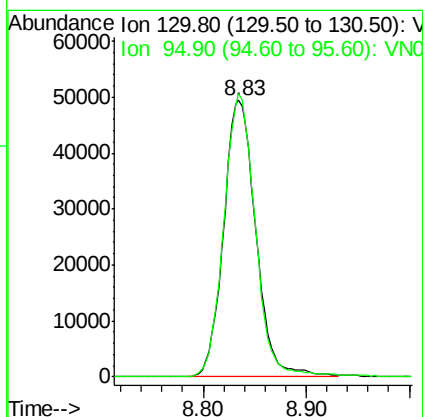
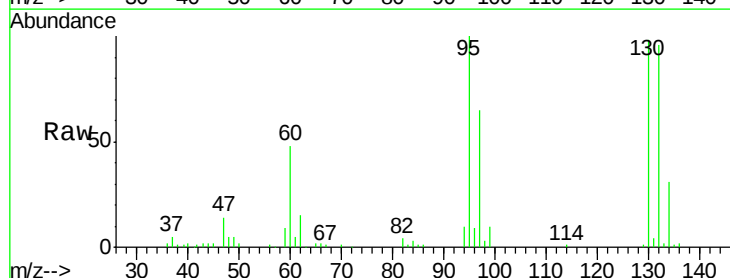
RT: 8.83 min Scan# 2196

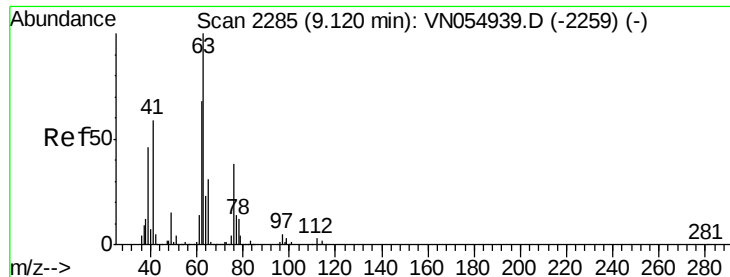
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	130	Resp:	107747
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	200.4





#45

1,2-Dichloropropane

Concen: 20.434 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 63 Resp: 117168

Ion Ratio Lower Upper

63 100

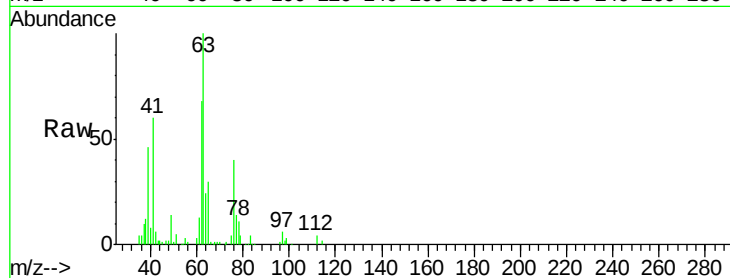
65 30.1 24.6 37.0

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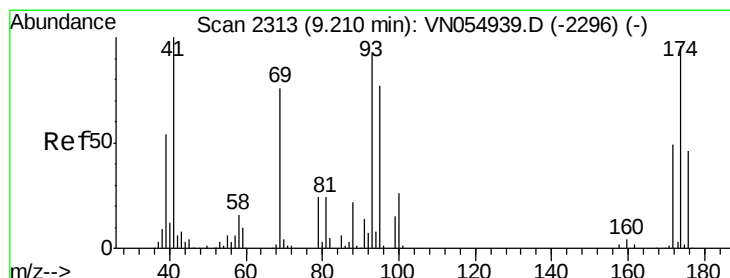
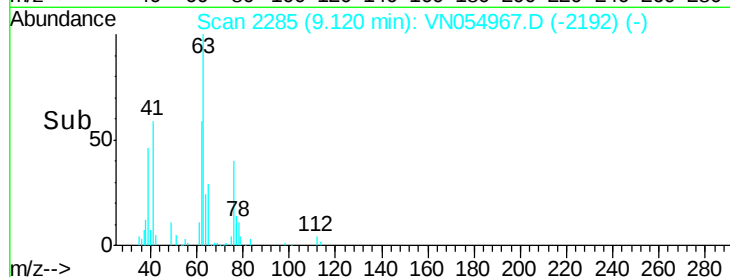
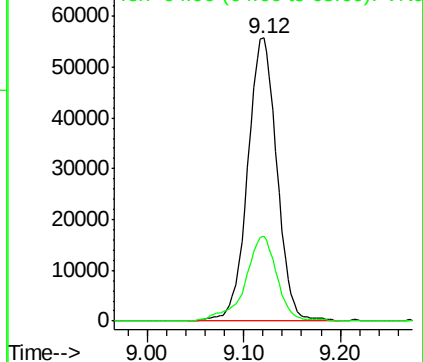
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.911 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

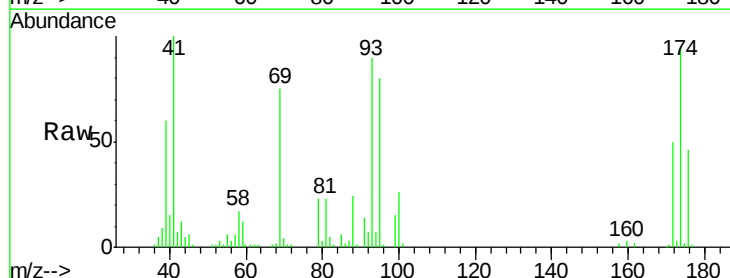
Tgt Ion: 93 Resp: 64743

Ion Ratio Lower Upper

93 100

95 86.3 66.7 100.1

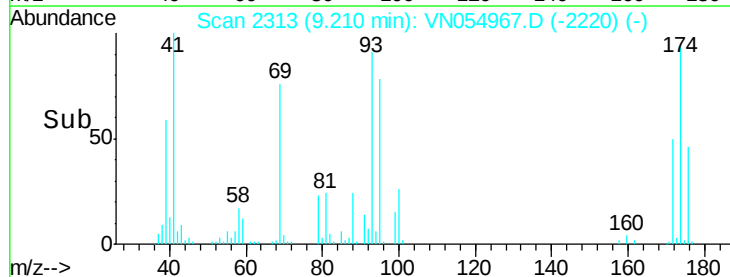
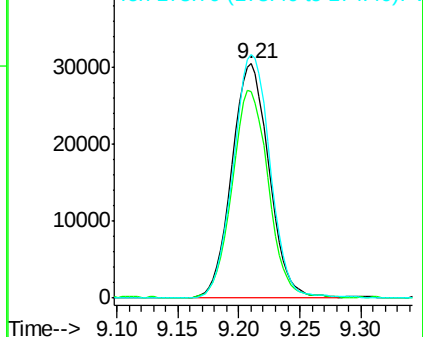
174 102.9 82.0 123.0

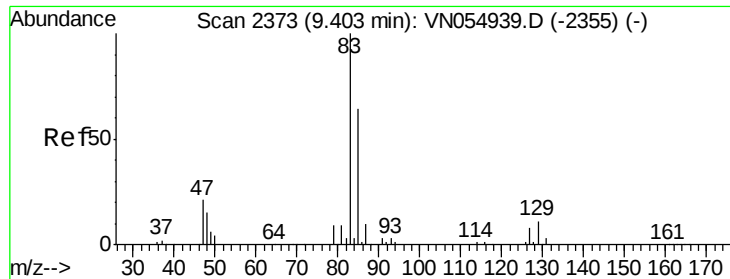


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.096 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

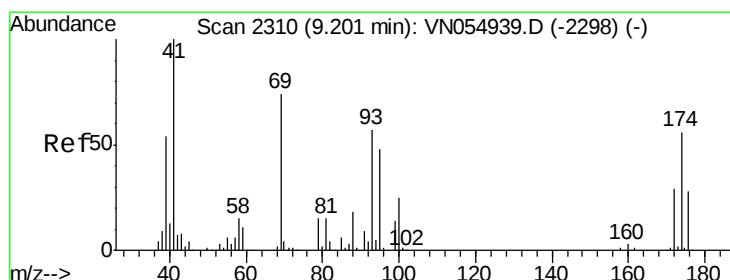
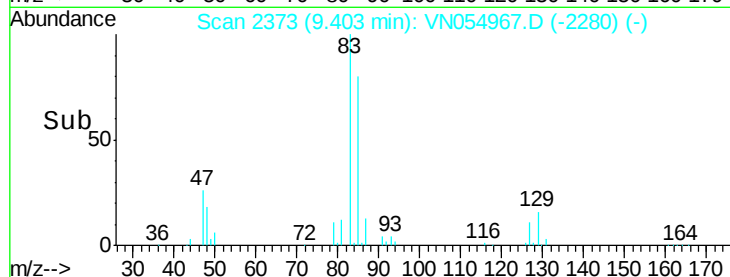
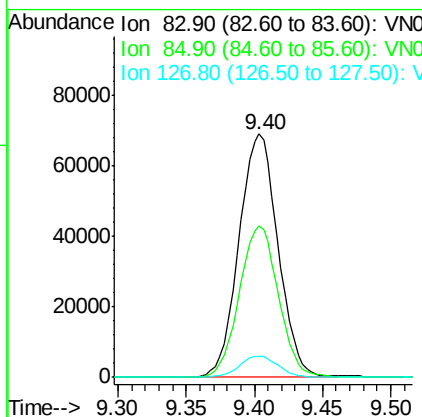
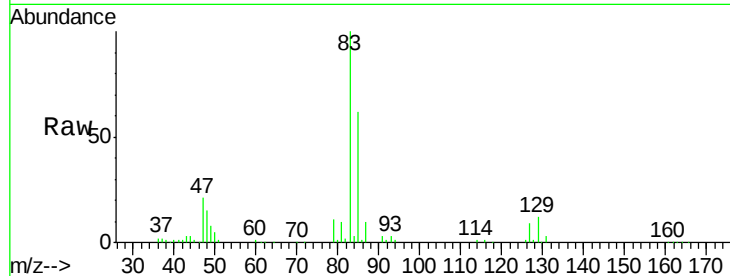
ClientSampleId :

VN0405WBS01

Tot Ion:	83	Resp:	137245
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.1	76.7
127	8.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.212 ug/l

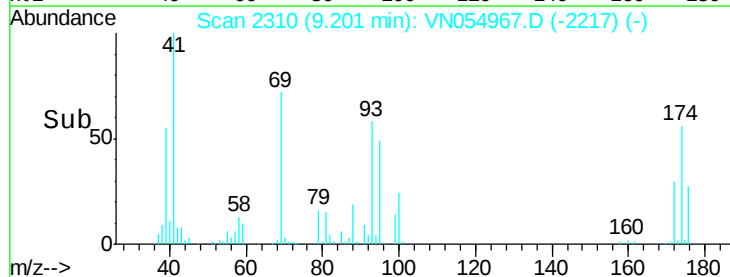
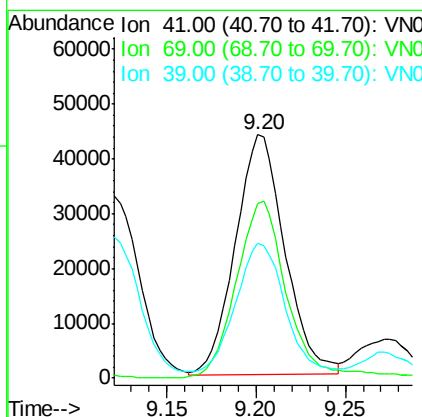
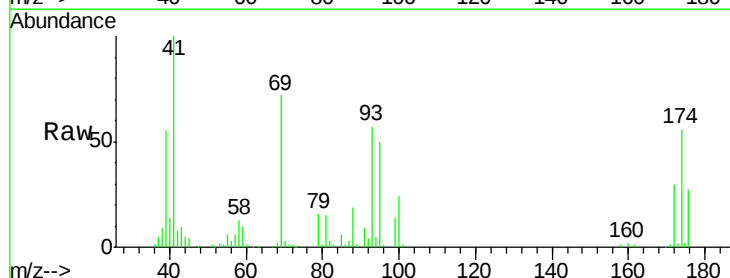
RT: 9.20 min Scan# 2310

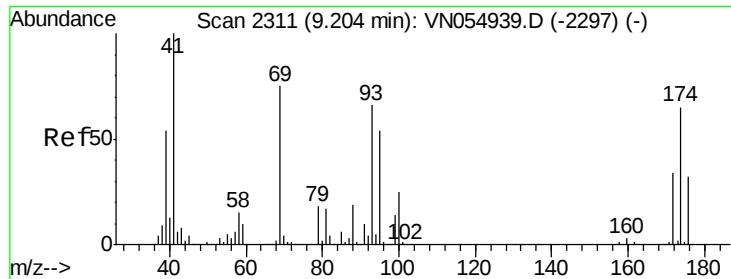
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	41	Resp:	84633
Ion Ratio	Lower	Upper	
41	100		
69	76.2	58.9	88.3
39	56.7	44.2	66.4





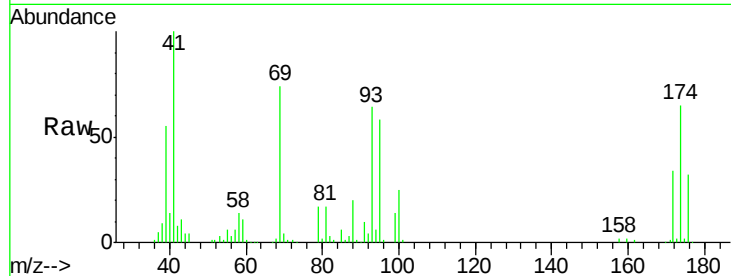
#49
1,4-Dioxane
Concen: 435.878 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

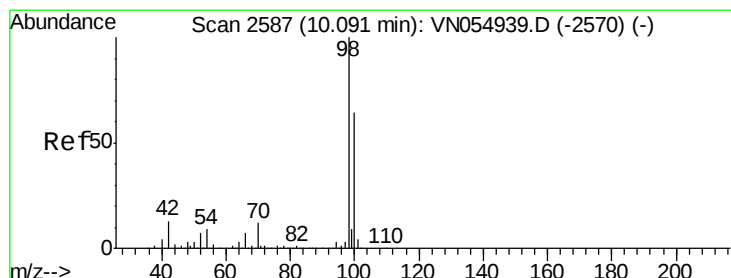
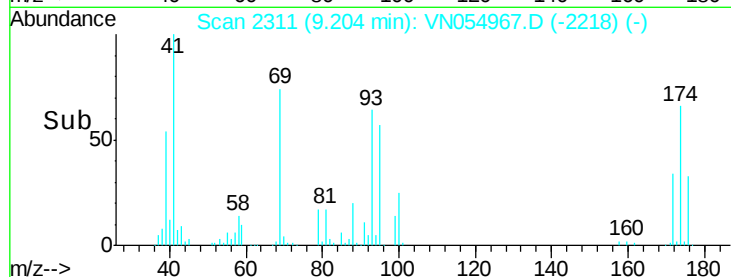
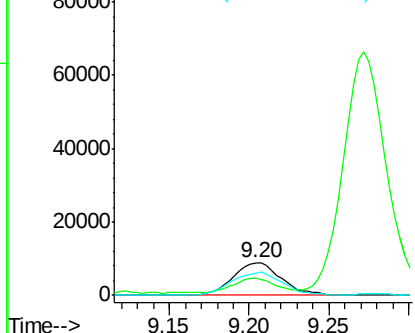
Tot Ion	88	Resp	18422
Ion Ratio	Lower	Upper	
88	100		
43	42.4	31.5	47.3
58	76.0	61.9	92.9

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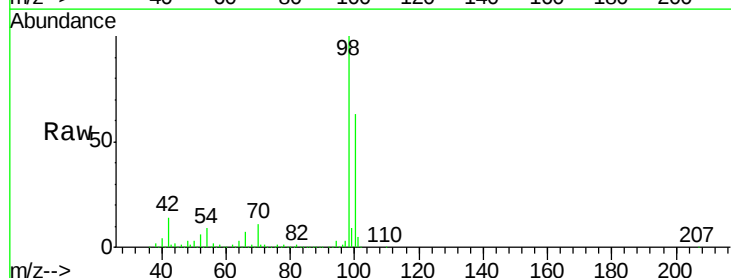


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

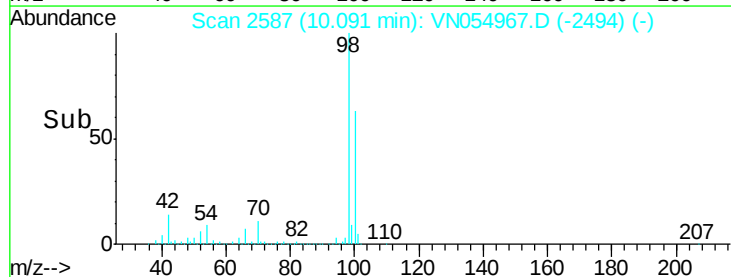
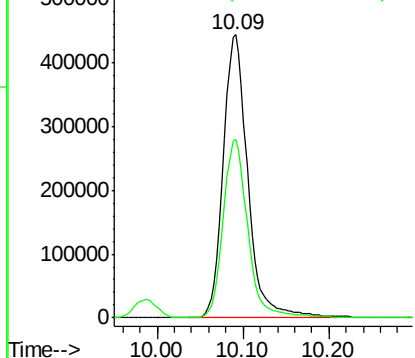


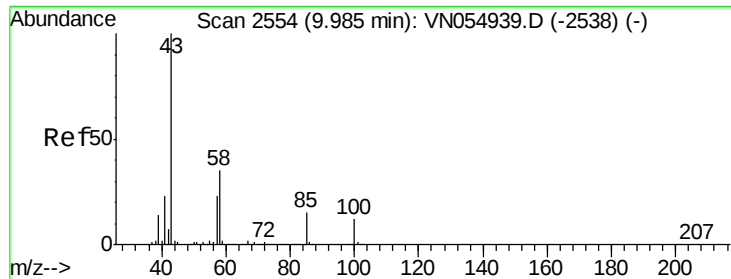
#50
Toluene-d8
Concen: 49.645 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	98	Resp	885084
Ion Ratio	Lower	Upper	
98	100		
100	62.9	51.5	77.3



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





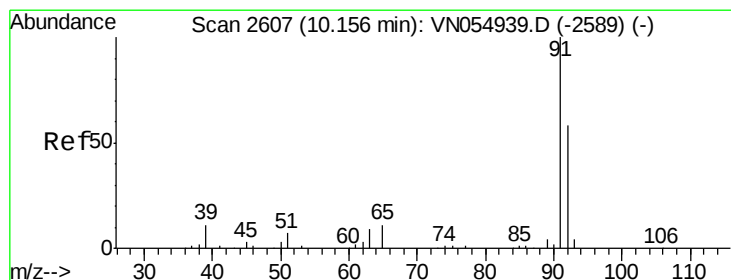
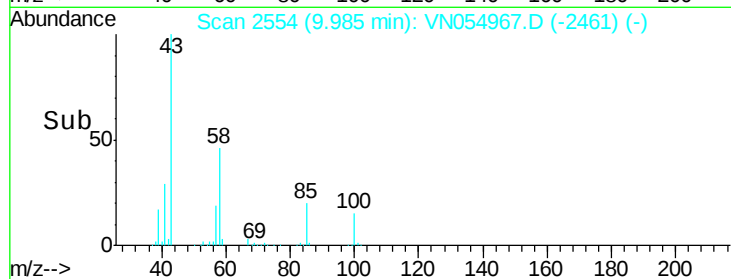
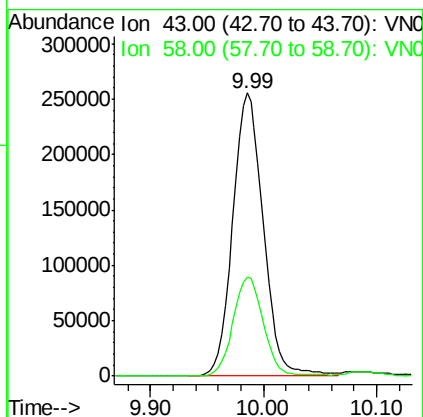
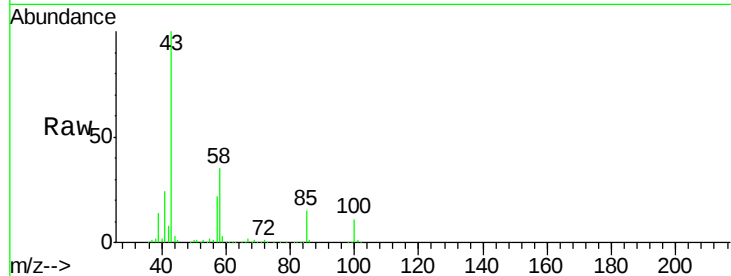
#51
 4-Methyl-2-Pentanone
 Concen: 103.552 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0405WBS01

Tot Ion: 43 Resp: 477833
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.3 42.5

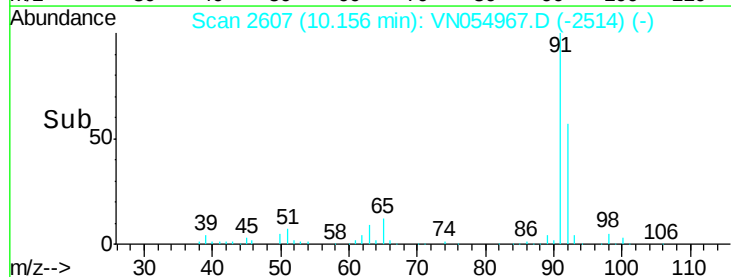
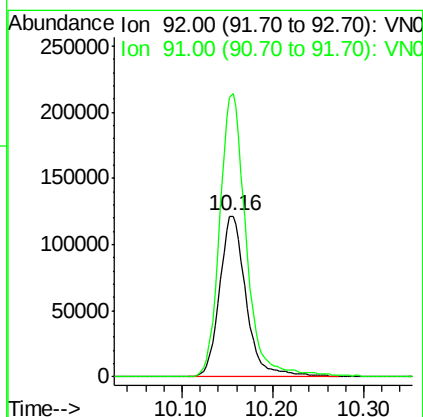
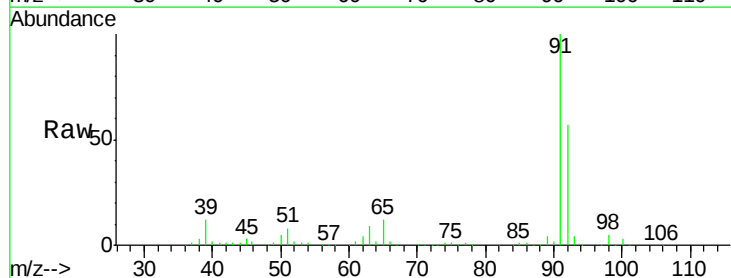
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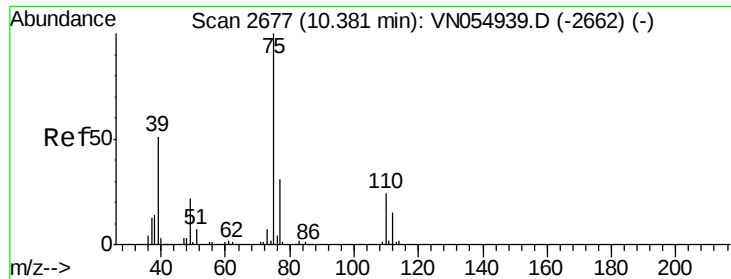
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#52
 Toluene
 Concen: 20.379 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 92 Resp: 247198
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.8 208.2





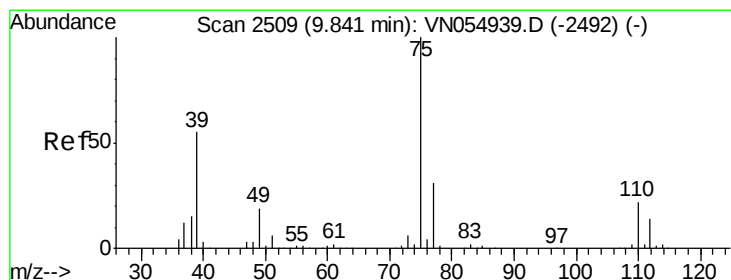
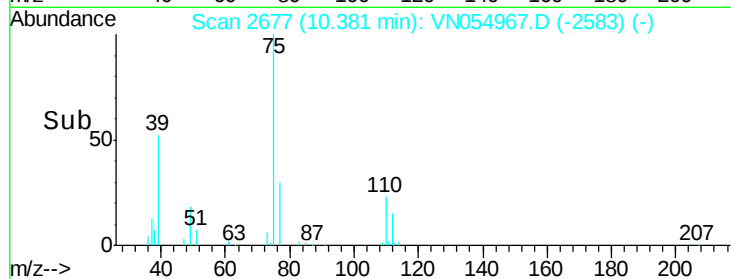
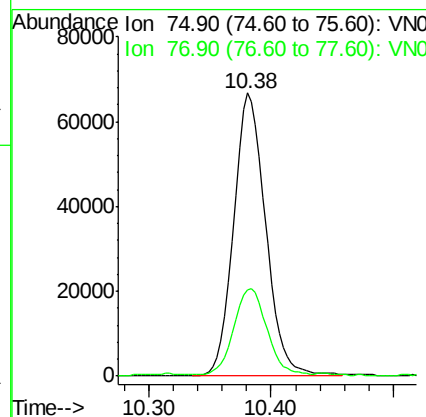
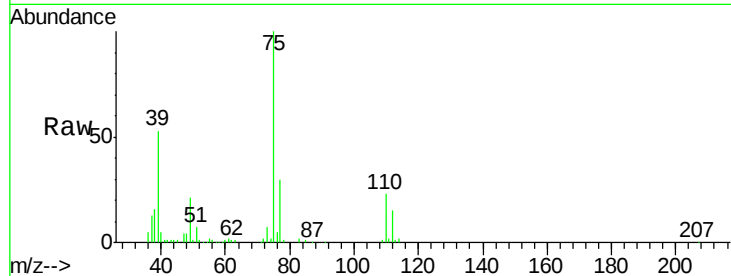
#53
t-1,3-Dichloropropene
Concen: 18.650 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		122362		
77	29.9	24.6	36.8		

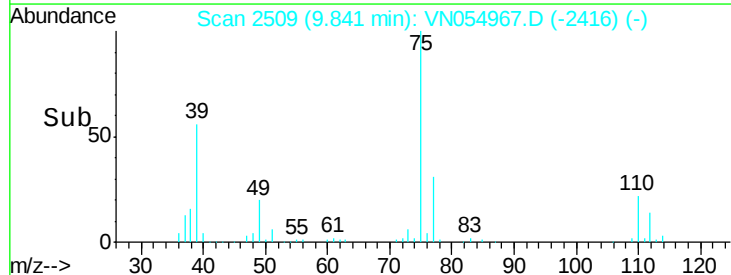
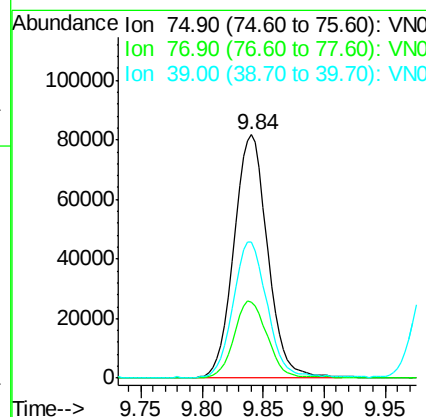
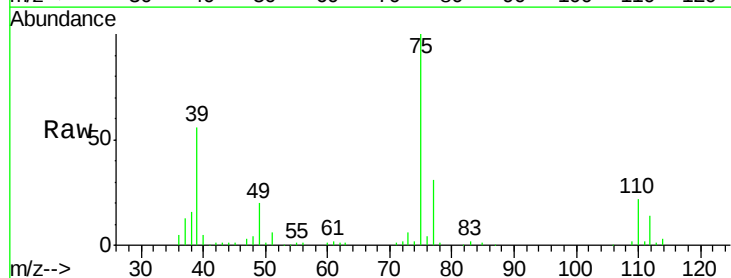
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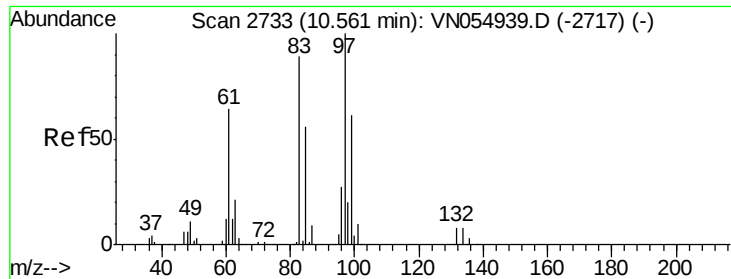
MMDadoda
4/8/2019 3:34:07 AM



#54
cis-1,3-Dichloropropene
Concen: 20.463 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		157288		
77	31.2	25.0	37.4		
39	55.6	43.9	65.9		





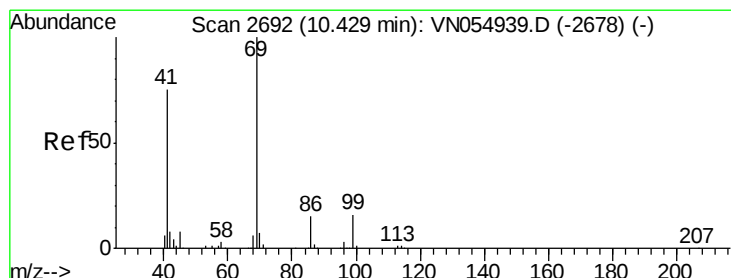
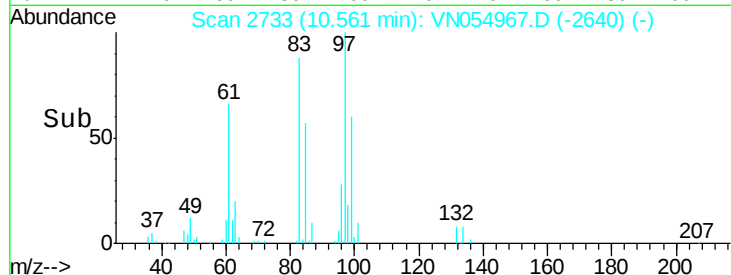
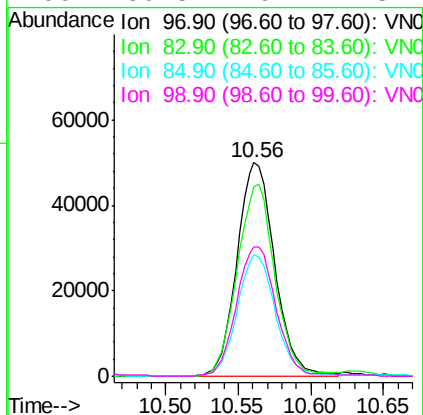
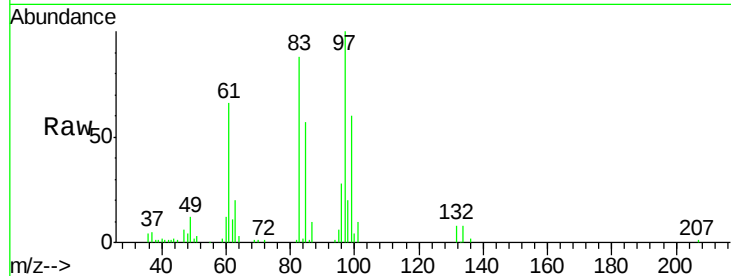
#55
 1,1,2-Trichloroethane
 Concen: 20.545 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion:	97	Resp:	90355
Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.5	107.3
85	56.8	45.0	67.6
99	60.5	49.1	73.7

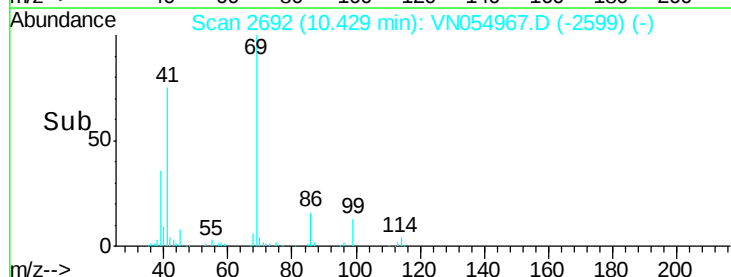
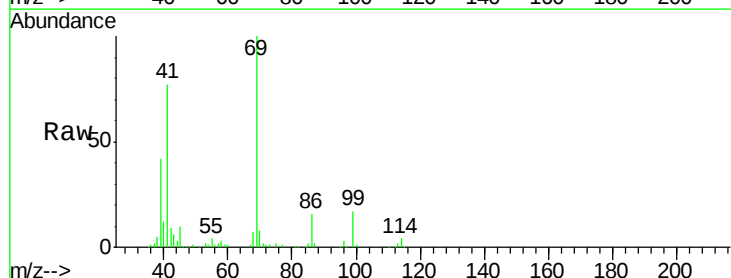
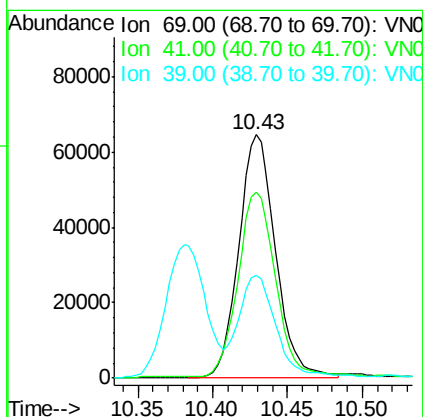
Manual Integrations
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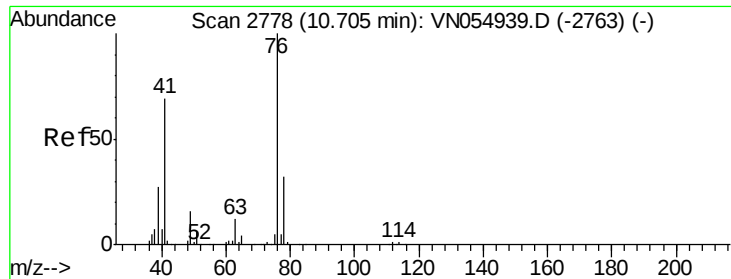
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 4/8/2019 3:34:07 AM



#56
 Ethyl methacrylate
 Concen: 19.249 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion:	69	Resp:	110686
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.2	90.2
39	42.2	31.3	46.9





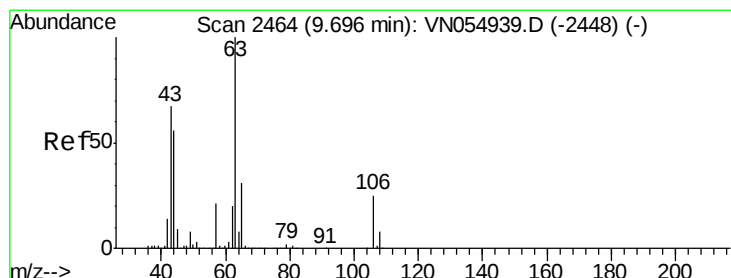
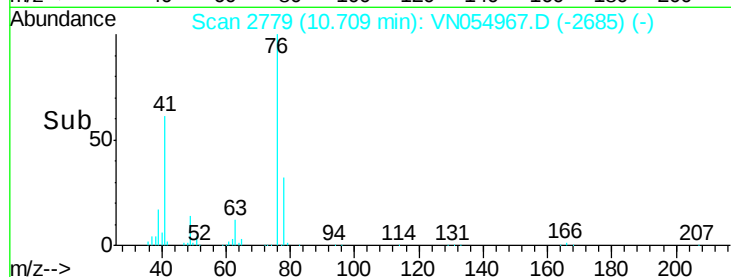
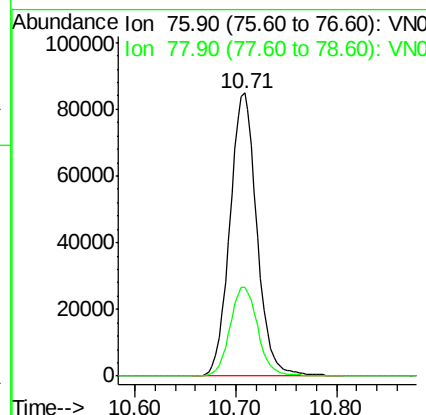
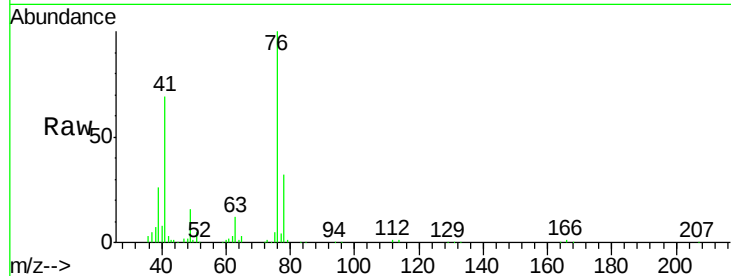
#57
 1,3-Dichloropropane
 Concen: 20.689 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion: 76 Resp: 158905
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

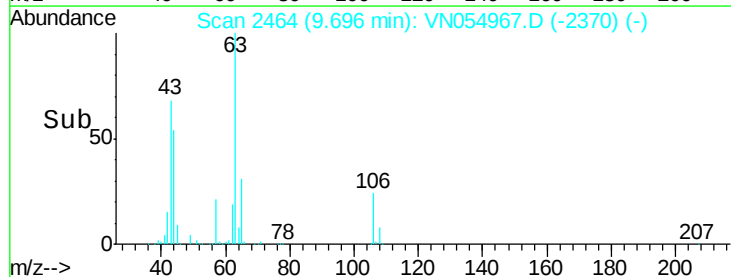
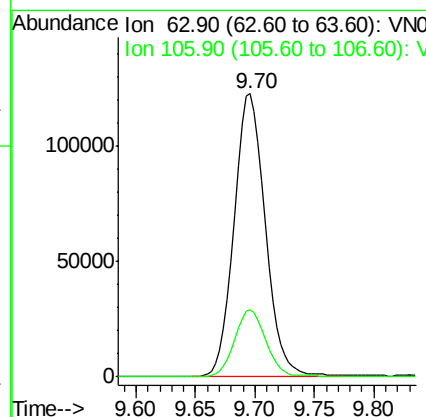
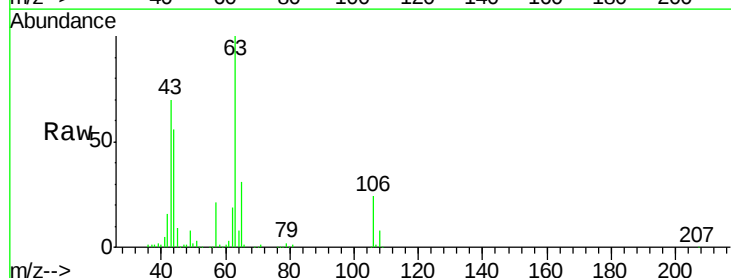
Manual Integrations
 APPROVED

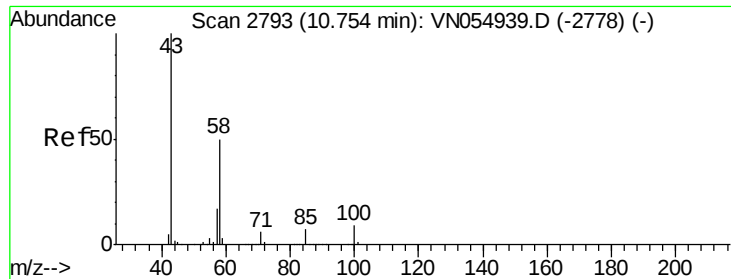
MMDadoda
 4/8/2019 3:34:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.221 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 63 Resp: 224334
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.7 29.5





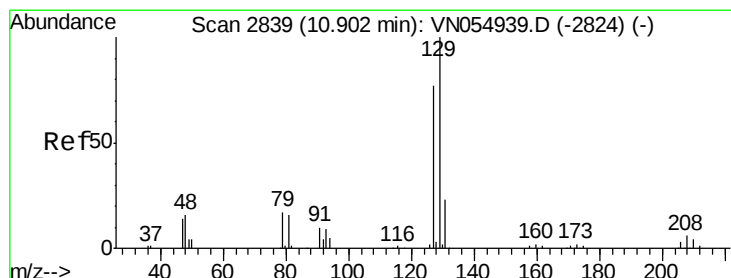
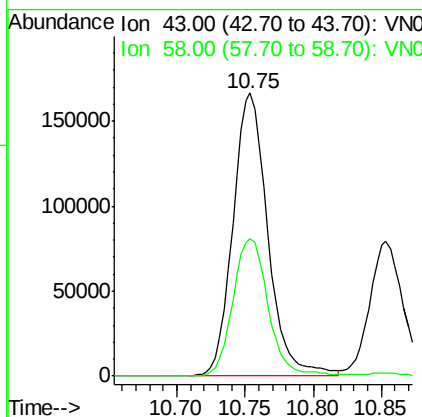
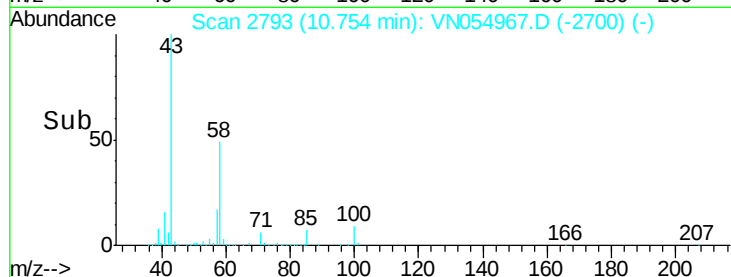
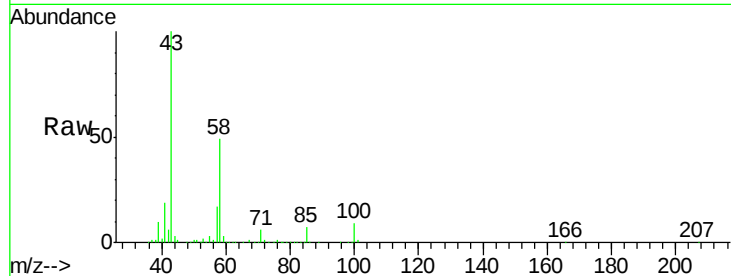
#59
2-Hexanone
Concen: 101.473 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion: 43 Resp: 292468
Ion Ratio Lower Upper
43 100
58 49.5 24.6 73.8

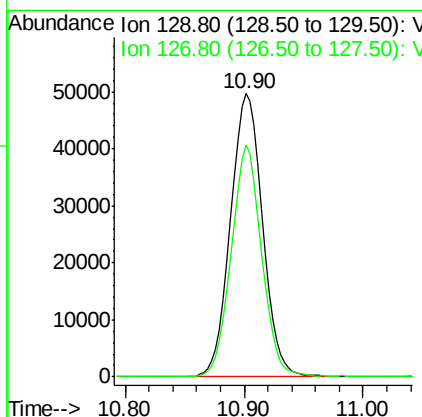
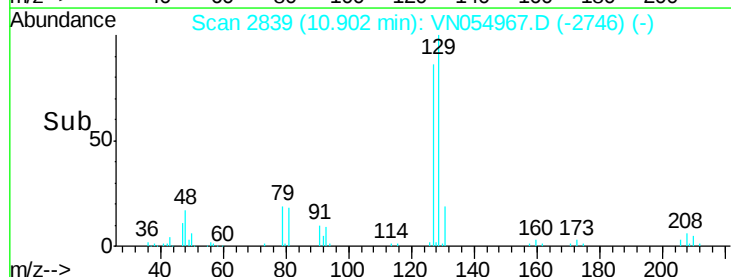
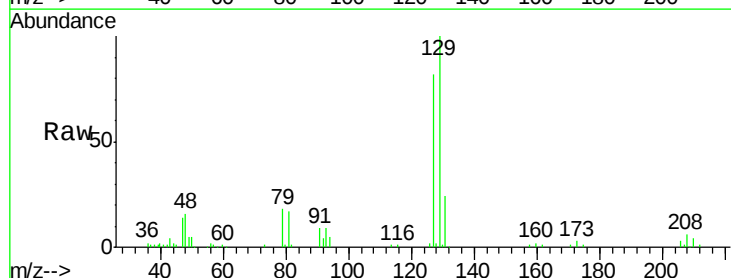
Manual Integrations
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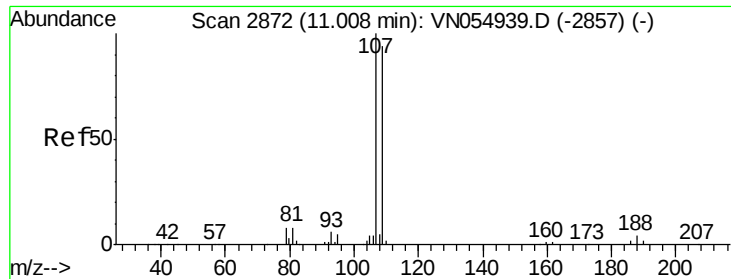
MMDadoda
4/8/2019 3:34:07 AM



#60
Dibromochloromethane
Concen: 20.121 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion:129 Resp: 92688
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





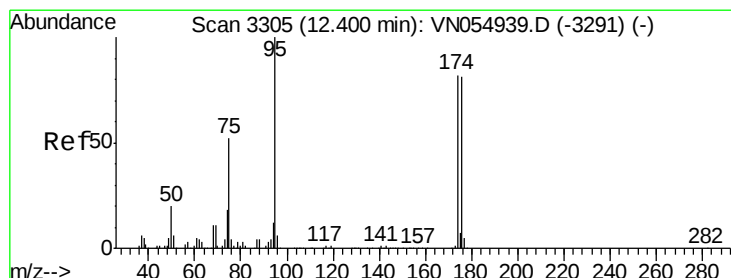
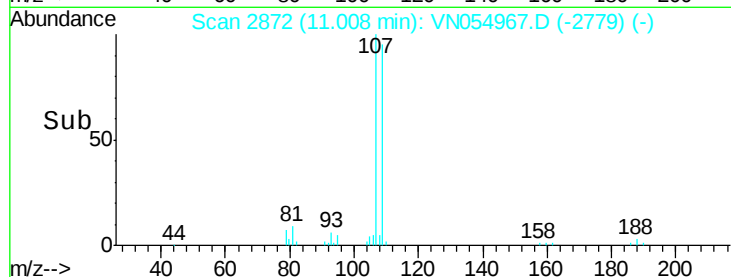
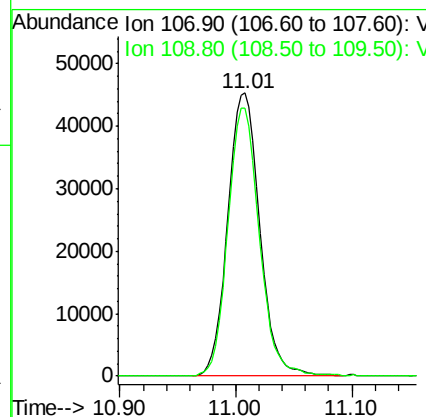
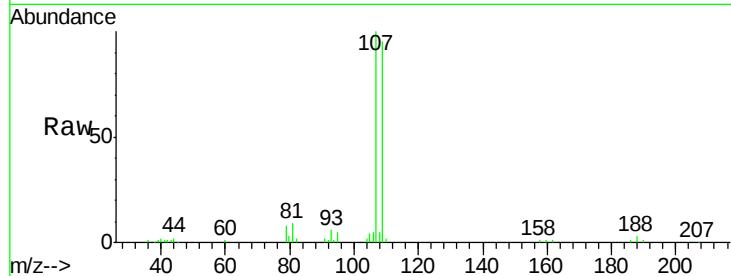
#61
 1,2-Dibromoethane
 Concen: 20.934 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0405WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	112.0

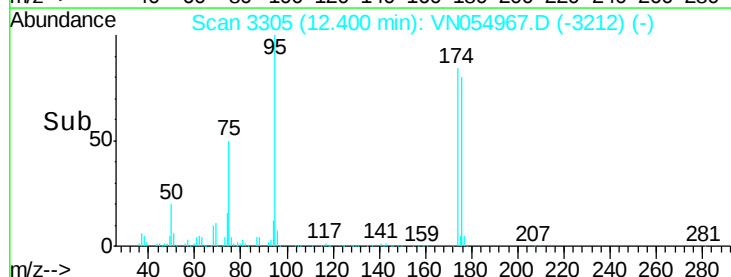
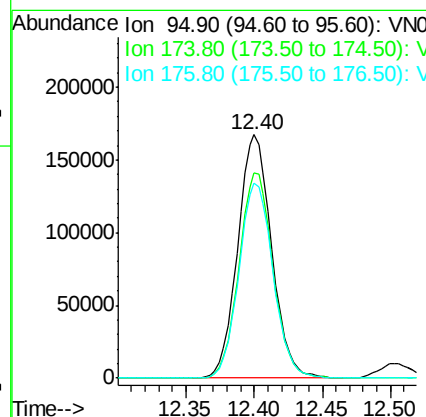
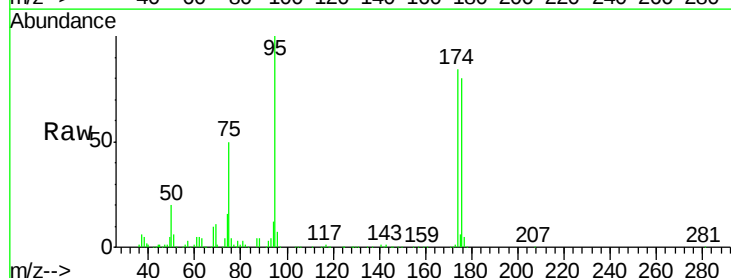
Manual Integrations
 APPROVED

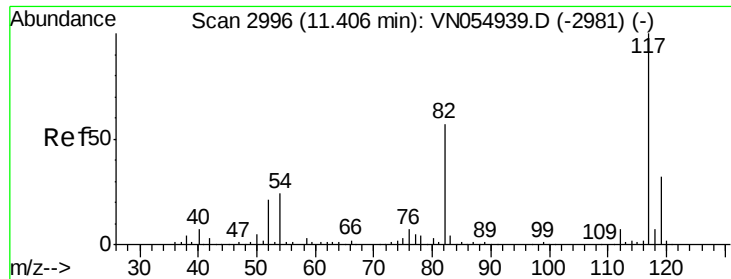
MMDadoda
 4/8/2019 3:34:07 AM



#62
 4-Bromofluorobenzene
 Concen: 48.394 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	166.2
176	81.0	0.0	163.2





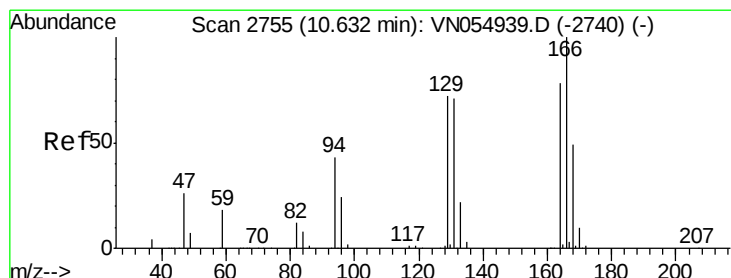
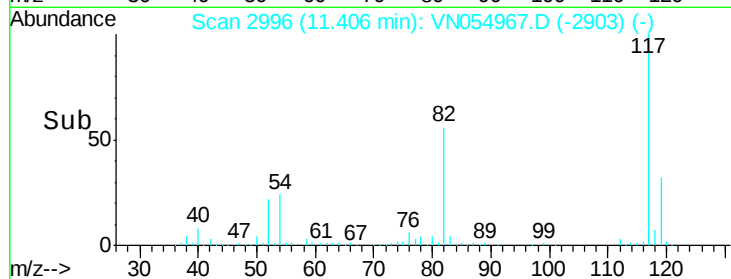
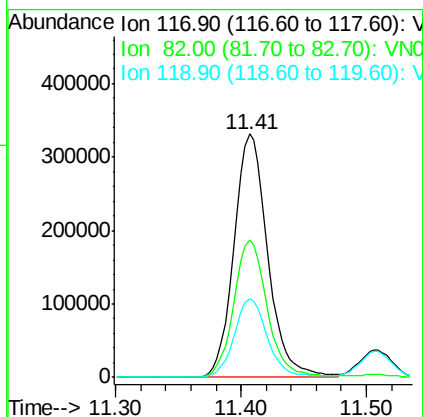
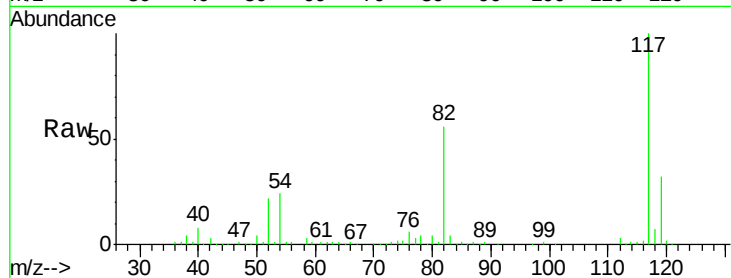
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.3	67.9
119	32.2	25.8	38.6

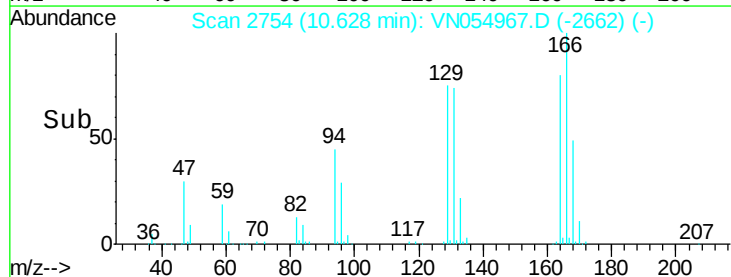
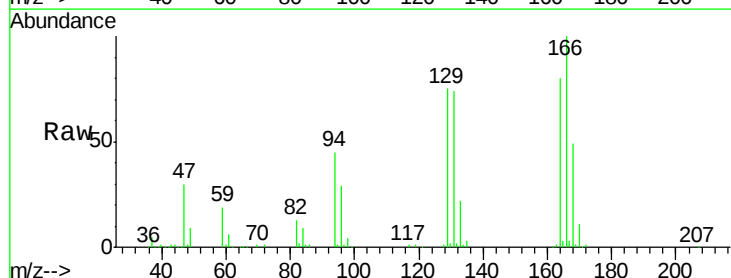
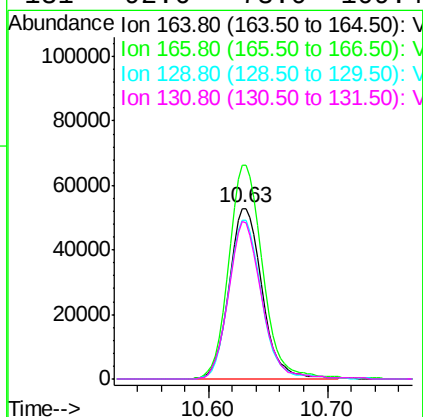
Manual Integrations
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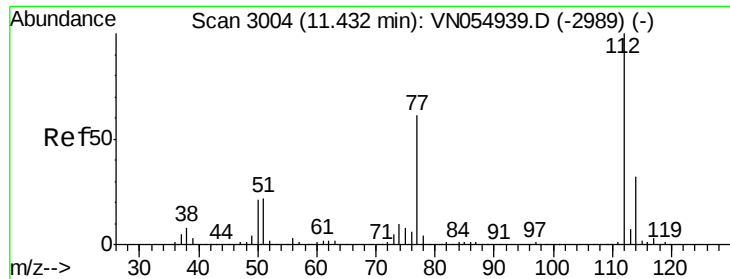
MMDadoda
4/8/2019 3:34:07 AM



#64
Tetrachloroethene
Concen: 20.444 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	103.1	154.7
129	93.3	73.9	110.9
131	92.6	73.0	109.4





#65

Chlorobenzene

Concen: 20.279 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0405WBS01

Tot Ion:112 Resp: 255979

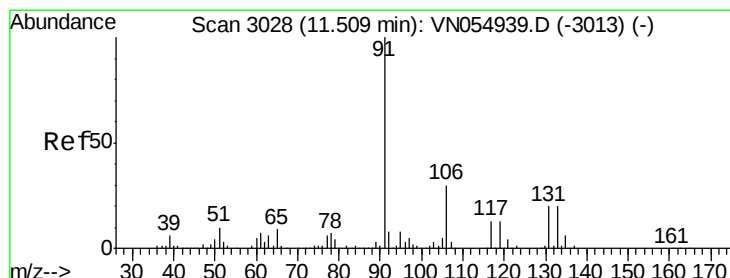
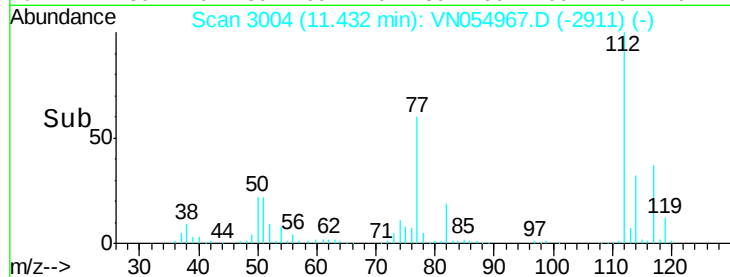
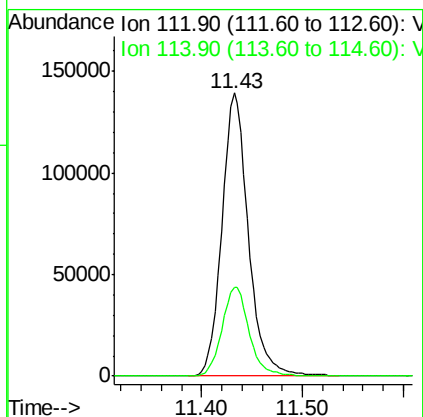
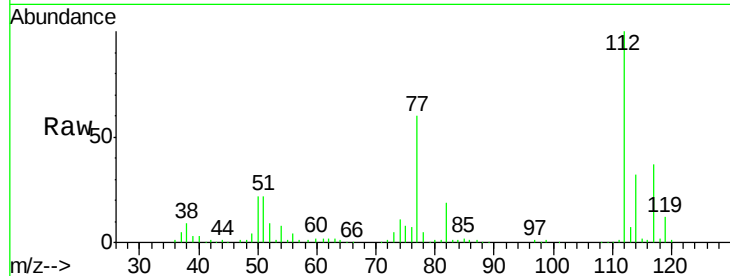
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

Manual Integrations
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4/8/2019 3:34:07 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.649 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

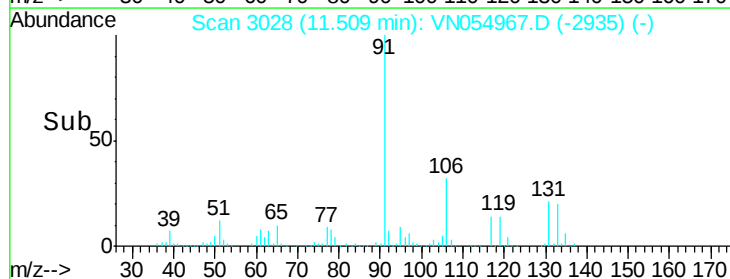
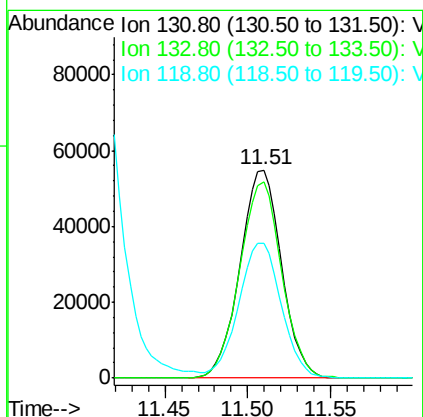
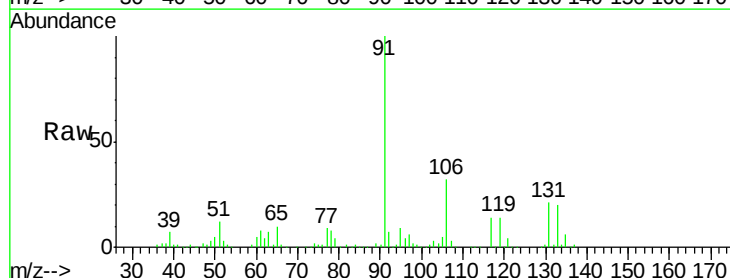
Tgt Ion:131 Resp: 95431

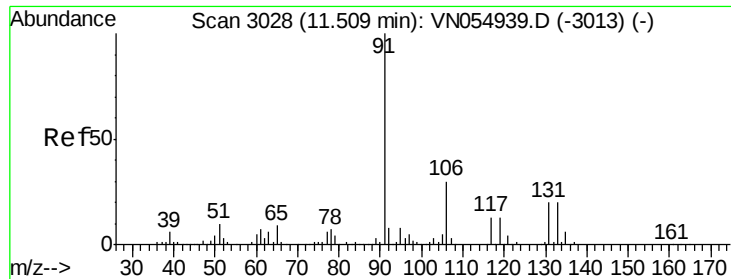
Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.4

119 67.2 33.1 99.2





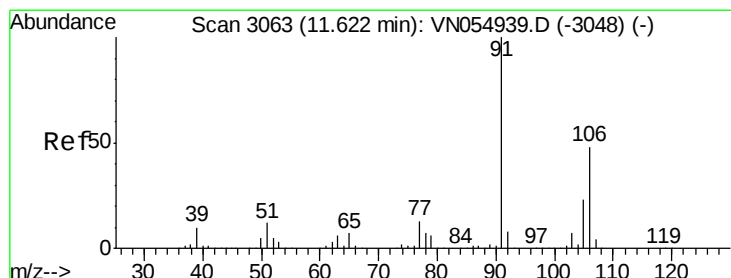
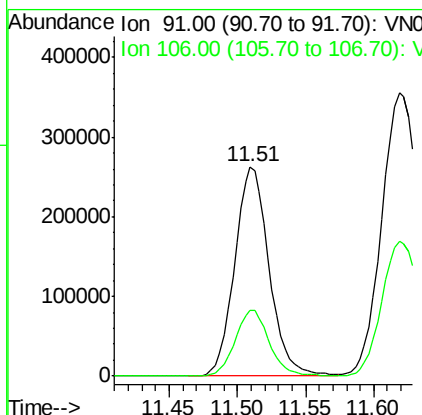
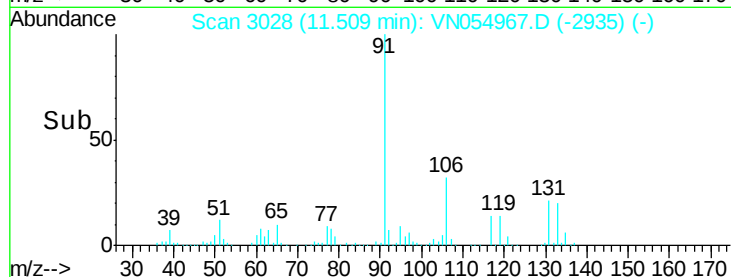
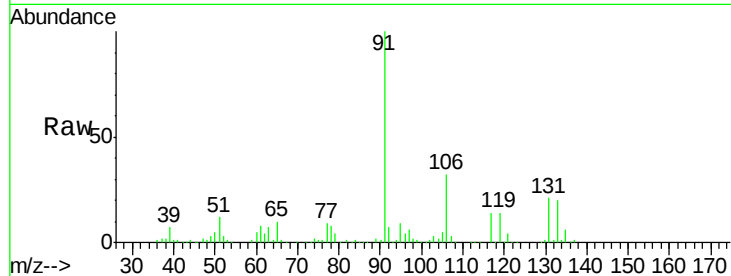
#67
Ethyl Benzene
Concen: 20.246 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion: 91 Resp: 460788
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

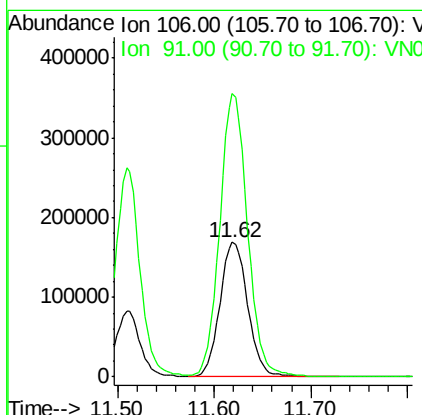
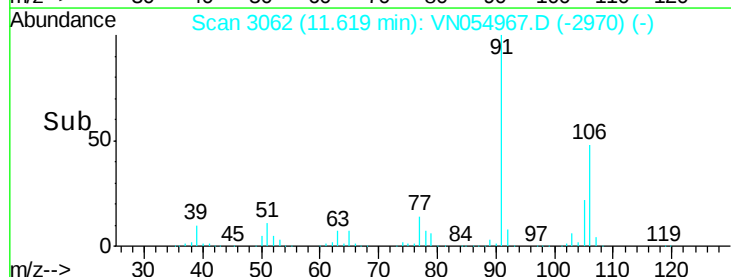
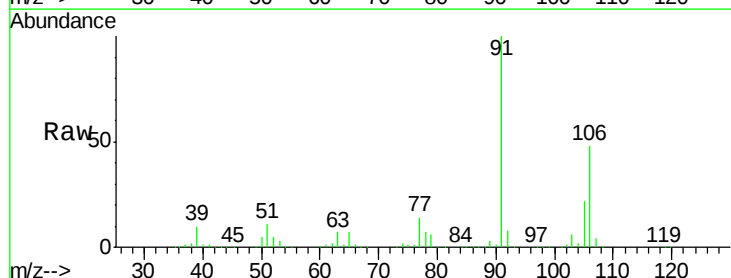
Manual Integrations
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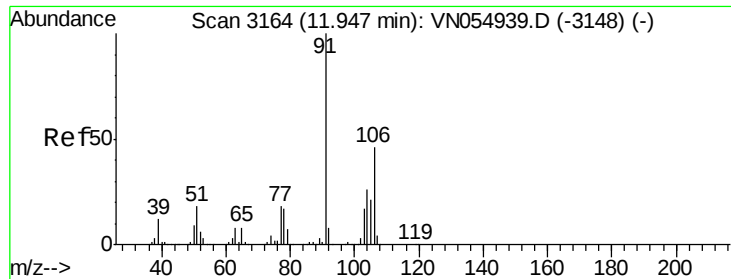
MMDadoda
4/8/2019 3:34:07 AM



#68
m/p-Xylenes
Concen: 40.736 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 106 Resp: 338914
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2





#69

o-Xylene

Concen: 20.810 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0405WBS01

Tot Ion:106 Resp: 168874

Ion Ratio Lower Upper

106 100

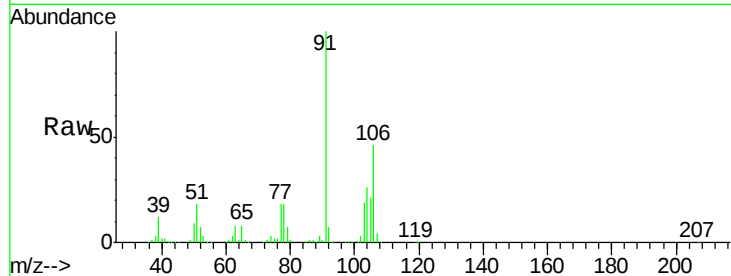
91 217.3 109.9 329.7

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

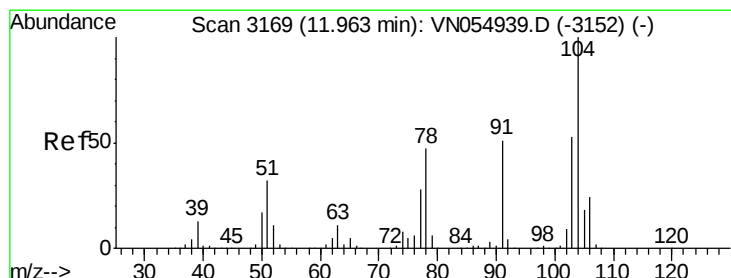
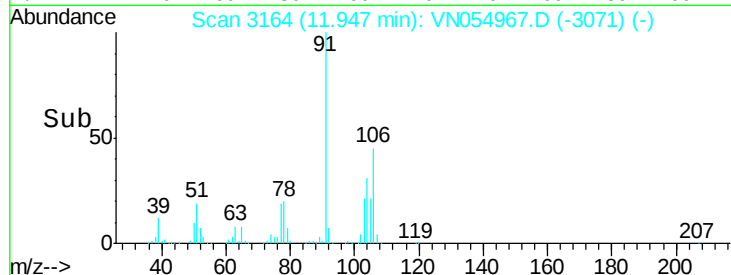
0

11.95

11.90

12.00

Time-->



#70

Styrene

Concen: 20.785 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

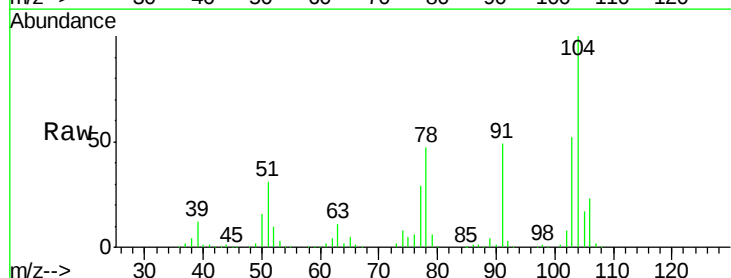
Tgt Ion:104 Resp: 270548

Ion Ratio Lower Upper

104 100

78 51.7 41.1 61.7

103 56.8 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

200000

150000

100000

50000

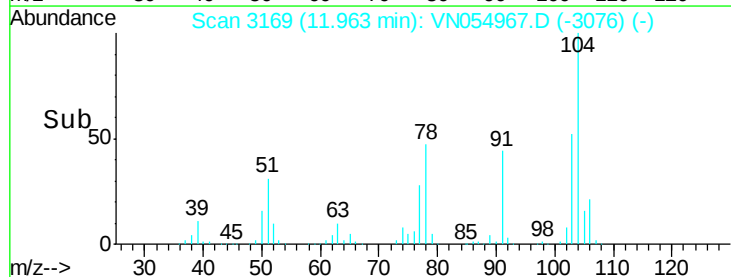
0

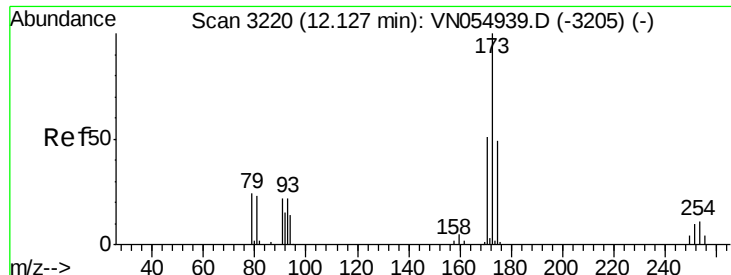
11.96

11.90

12.00

Time-->





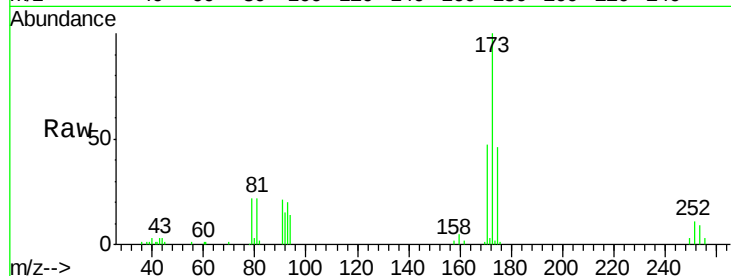
#71
Bromoform
Concen: 19.599 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

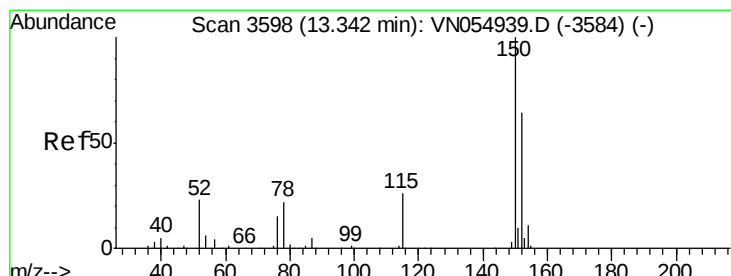
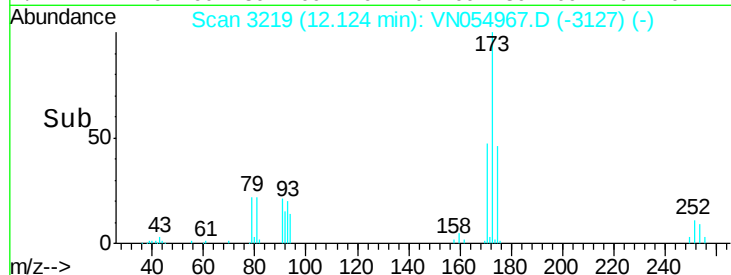
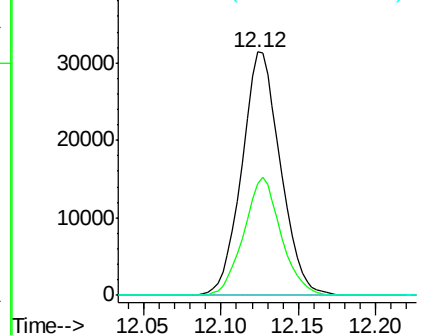
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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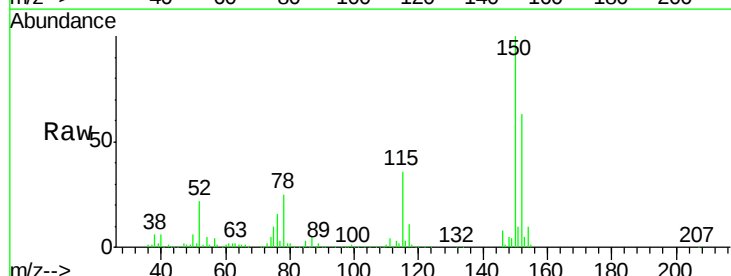


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

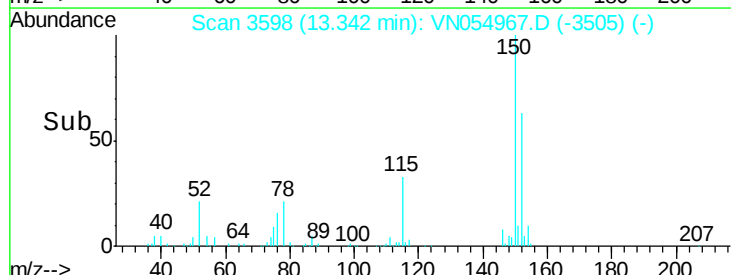
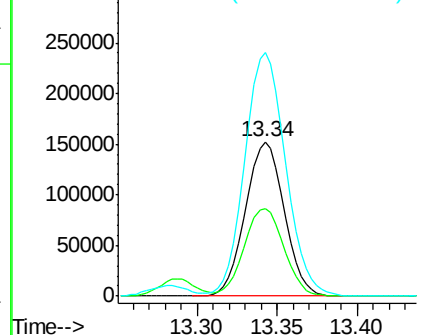


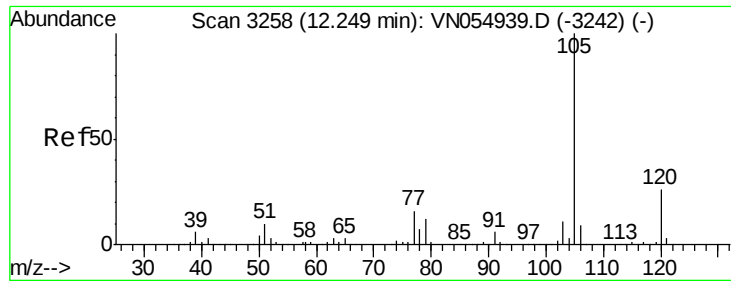
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	166.6	0.0	345.4



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: 20.803 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 105 Resp: 442263

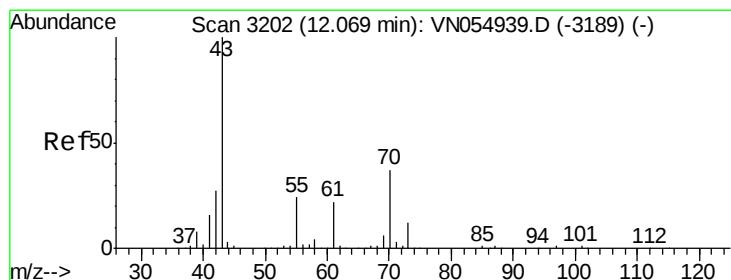
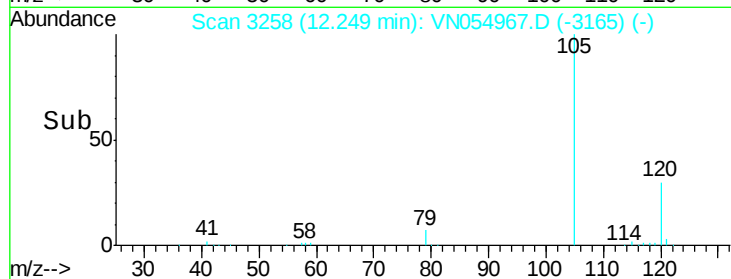
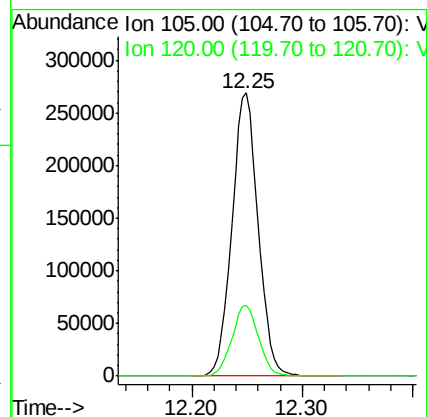
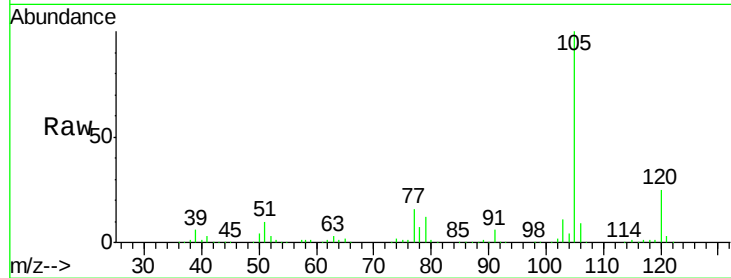
Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0

Manual Integrations
APPROVED

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4/8/2019 3:34:07 AM



#74

N-ethyl acetate

Concen: 21.429 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion: 43 Resp: 126631

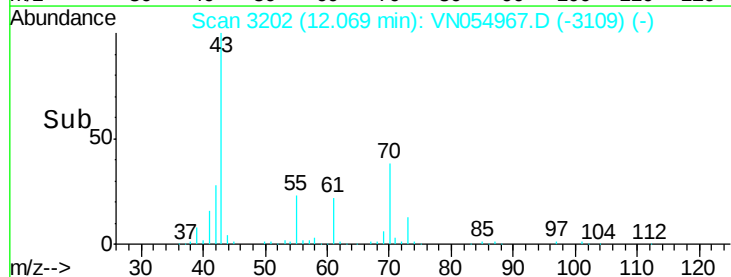
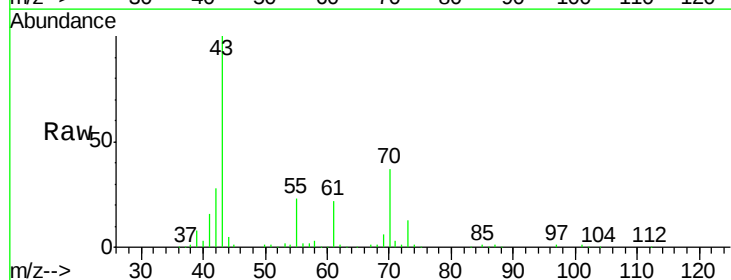
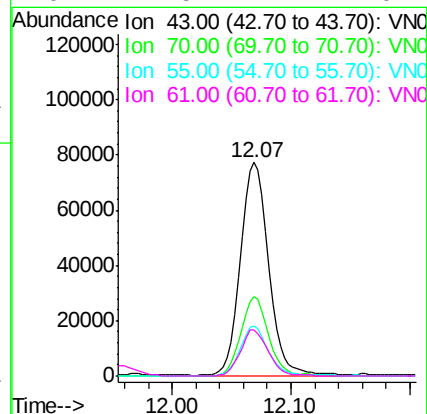
Ion Ratio Lower Upper

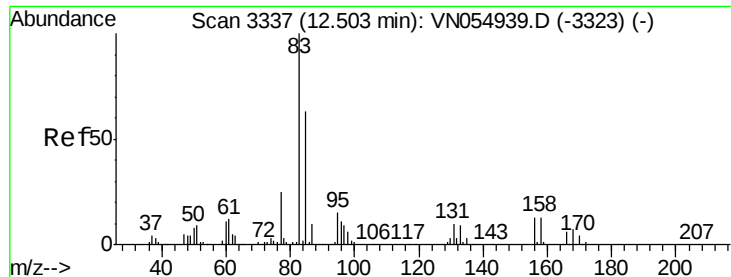
43 100

70 36.7 29.3 43.9

55 23.6 19.2 28.8

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

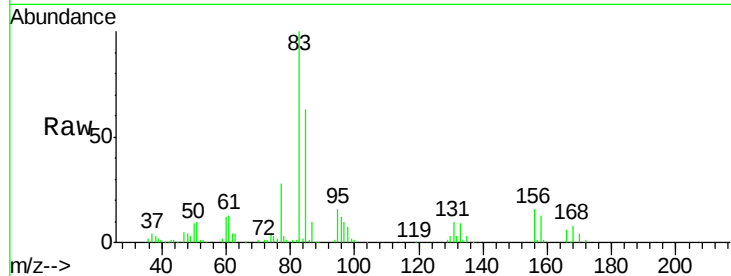
ClientSampleId :

VN0405WBS01

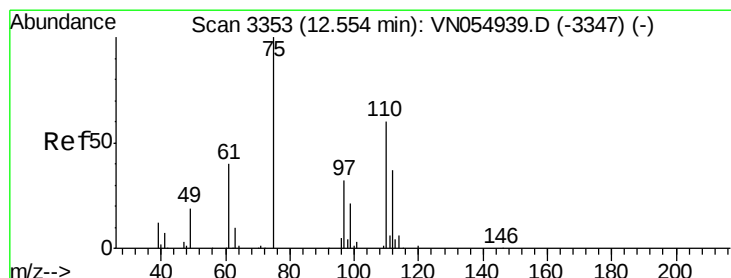
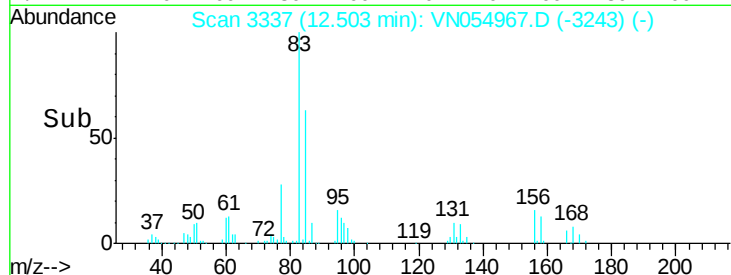
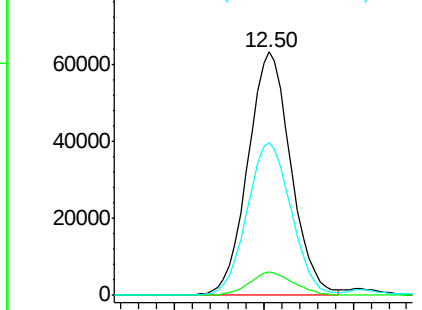
Tot Ion:	83	Resp:	106193
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.6	31.4	94.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054967.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 21.749 ug/l m

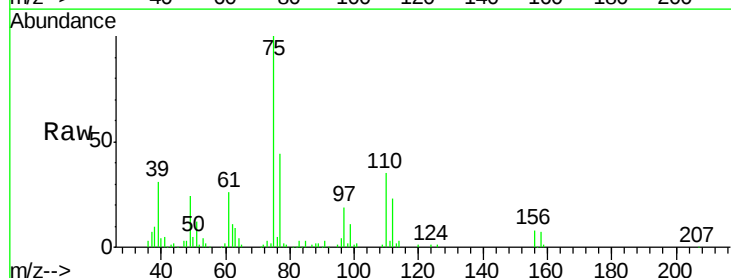
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

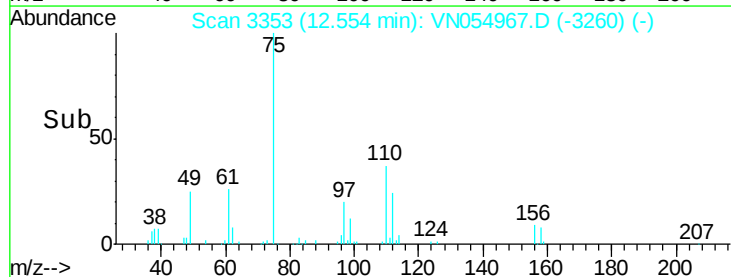
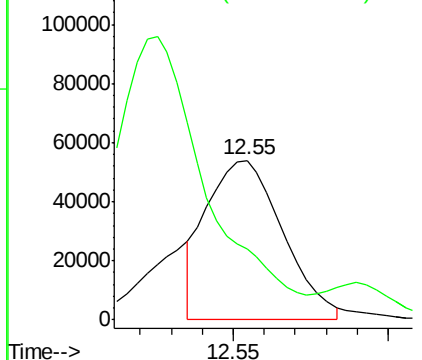
Lab File: VN054967.D

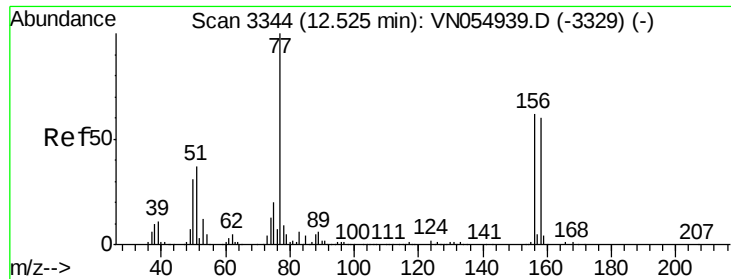
Acq: 5 Apr 2019 11:46

Tgt Ion:	75	Resp:	92353
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054967.D (-3260) (-)





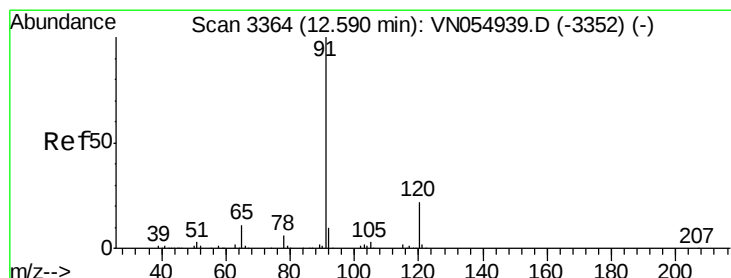
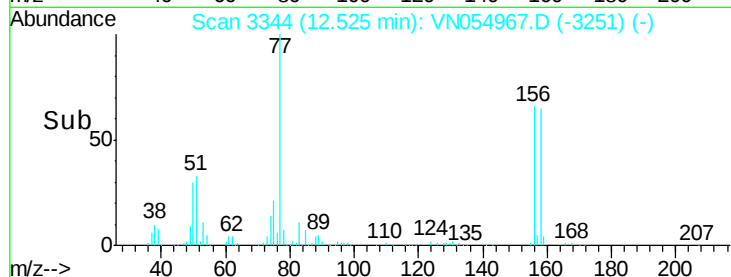
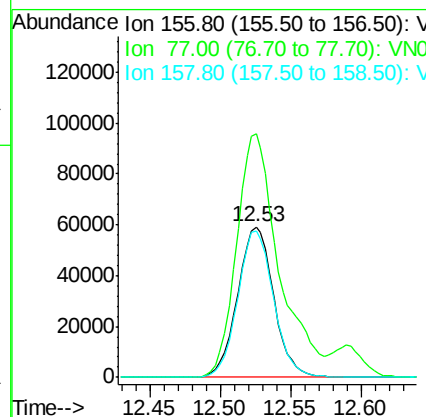
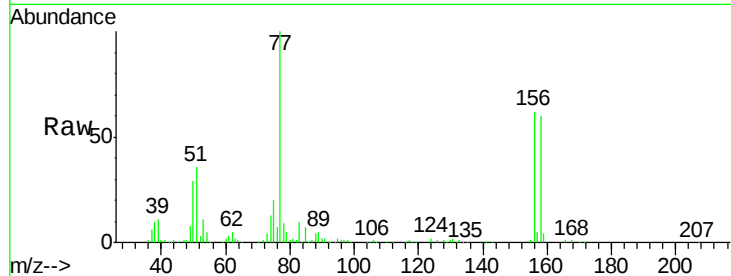
#77
Bromobenzene
Concen: 20.592 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.7	93.1	279.3
158	97.0	48.4	145.3

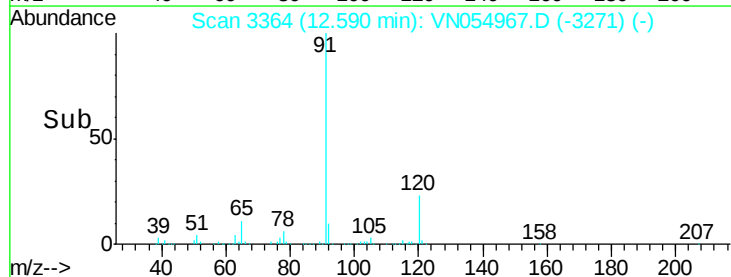
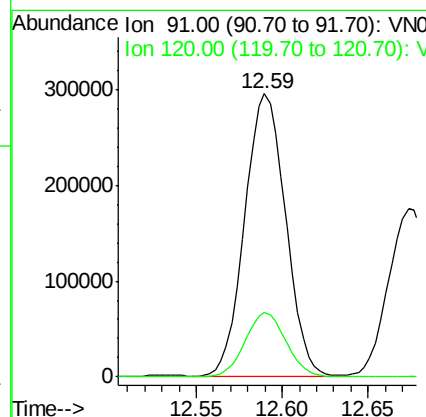
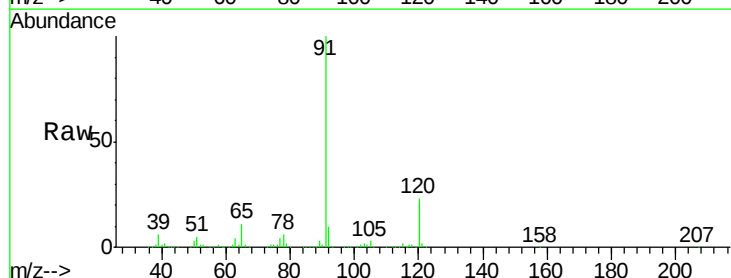
Manual Integrations
APPROVED

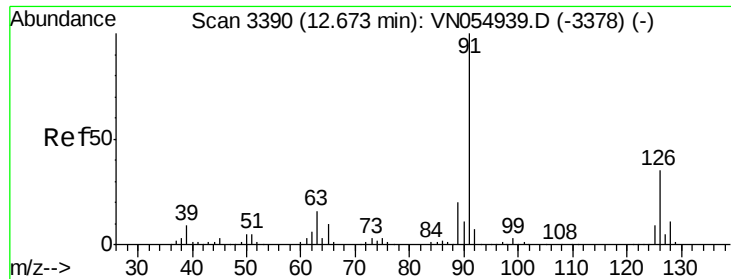
MMDadoda
4/8/2019 3:34:07 AM



#78
n-propylbenzene
Concen: 20.815 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.6





#79

2-Chlorotoluene

Concen: 20.577 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 91 Resp: 298693

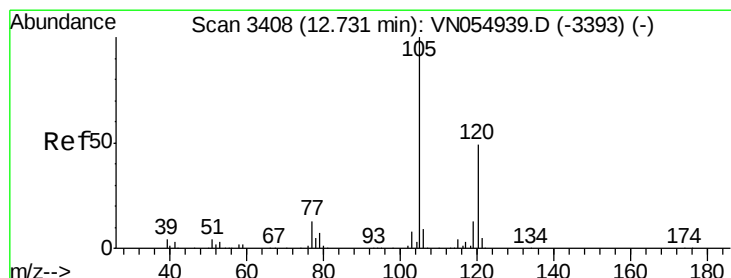
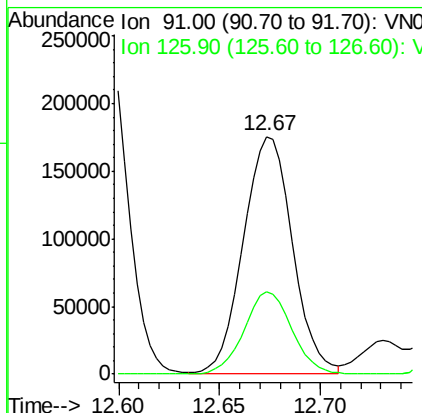
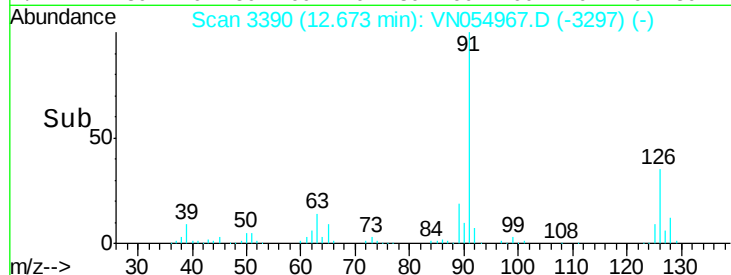
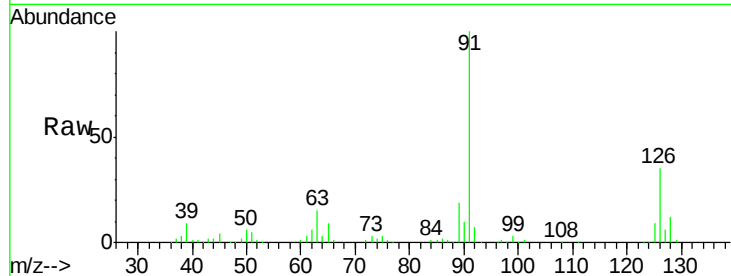
Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.752 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054967.D

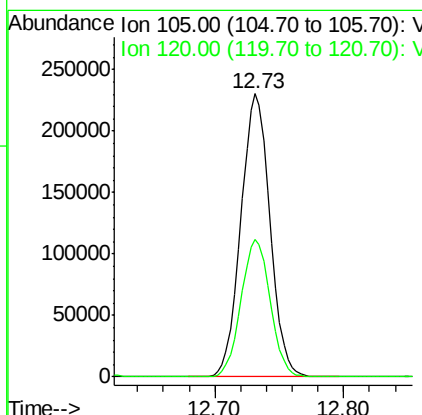
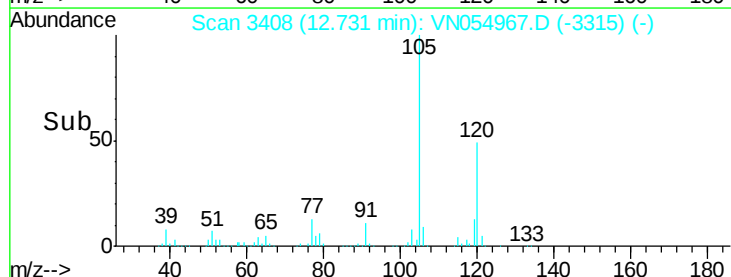
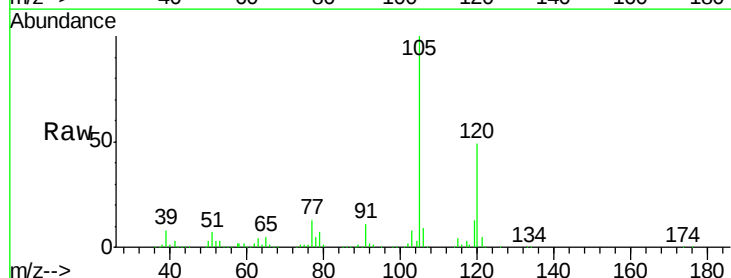
Acq: 5 Apr 2019 11:46

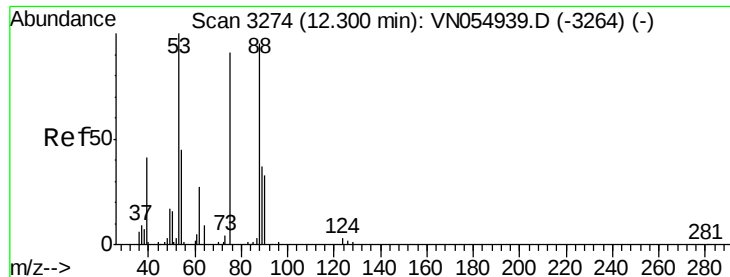
Tgt Ion: 105 Resp: 362331

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.943 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion: 75 Resp: 21728

Ion Ratio Lower Upper

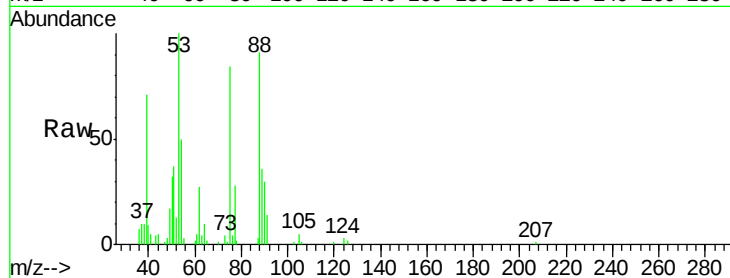
75 100

53 120.5 92.8 139.2

89 44.8 36.7 55.1

Manual Integrations
APPROVED

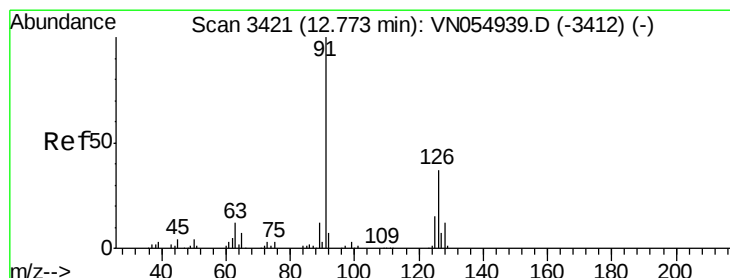
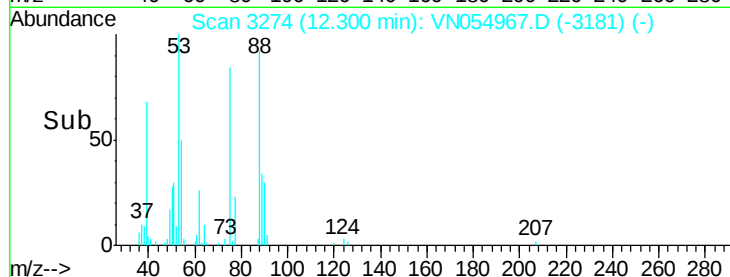
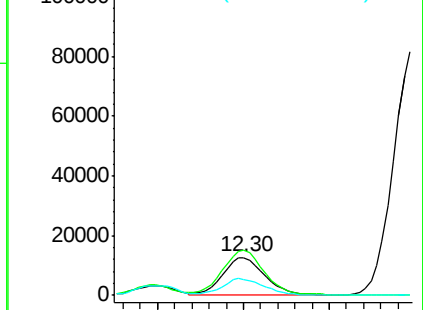
MMDadoda
4/8/2019 3:34:07 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.893 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054967.D

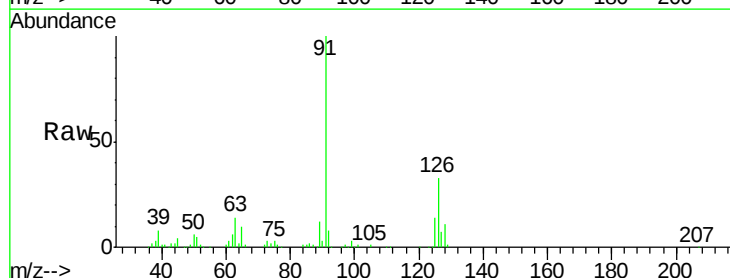
Acq: 5 Apr 2019 11:46

Tgt Ion: 91 Resp: 286861

Ion Ratio Lower Upper

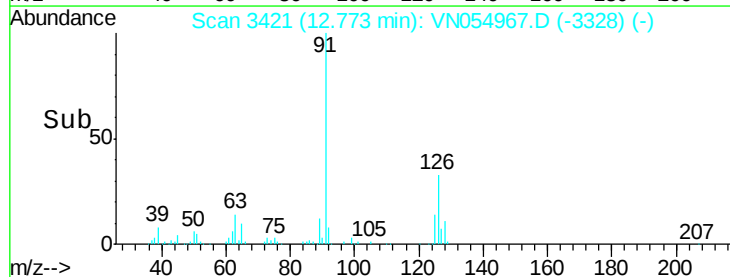
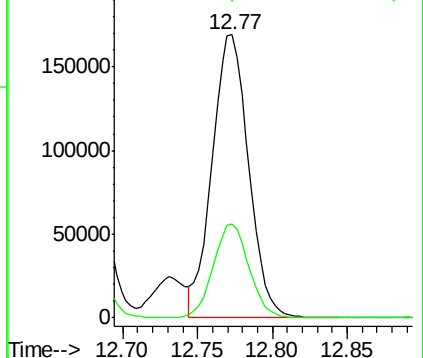
91 100

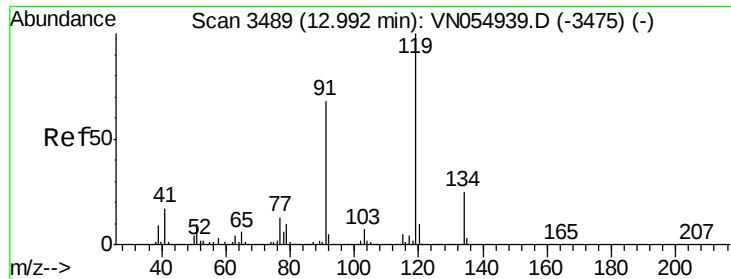
126 32.3 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





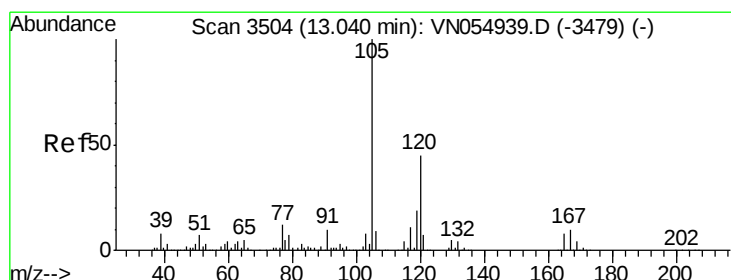
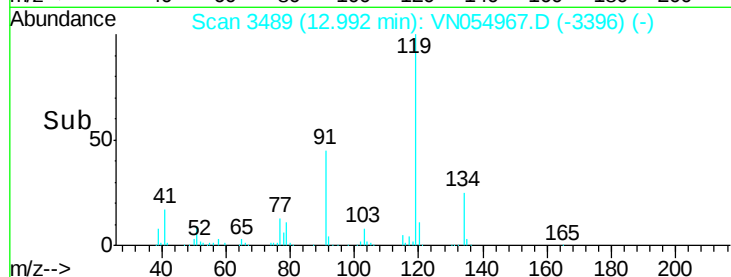
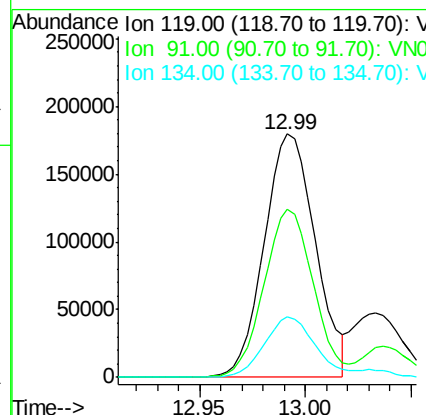
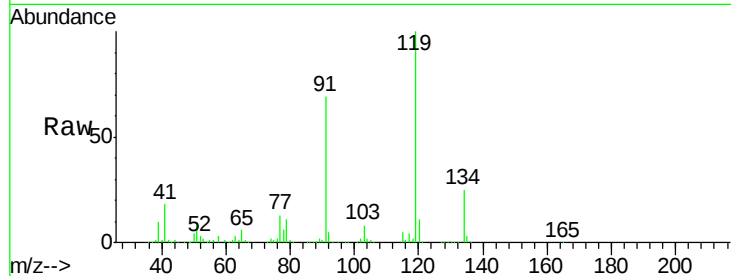
#83
tert-Butylbenzene
Concen: 20.424 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.5	100.5
134	24.7	12.4	37.0

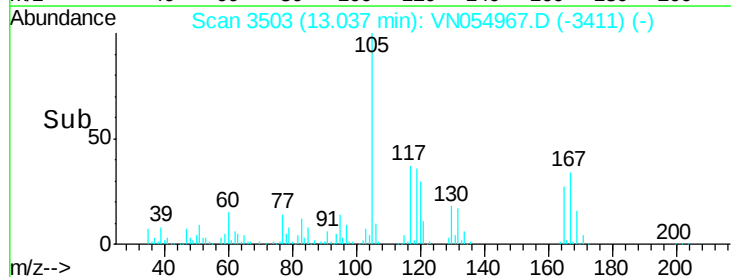
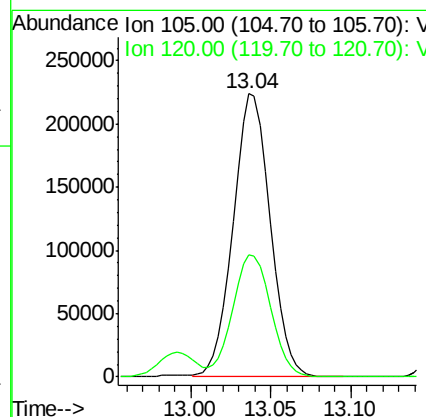
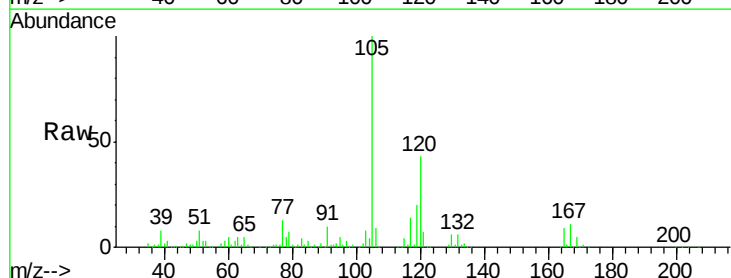
Manual Integrations
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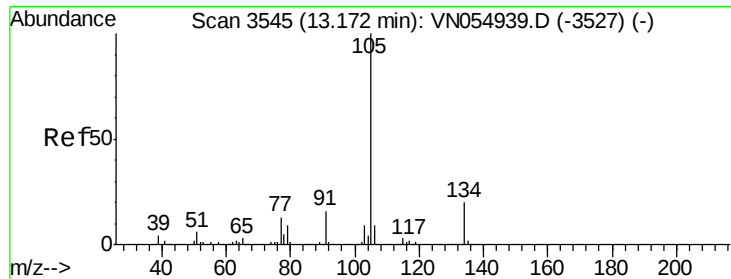
MMDadoda
4/8/2019 3:34:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.892 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.384 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBS01

Tot Ion:105 Resp: 391592

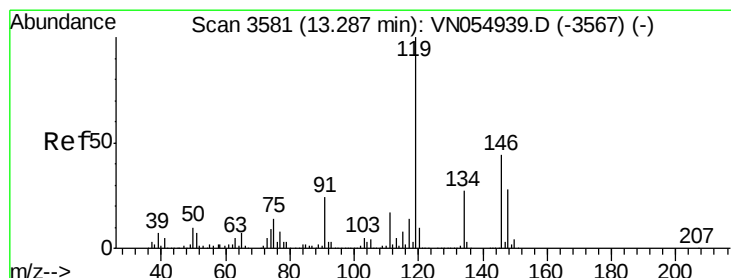
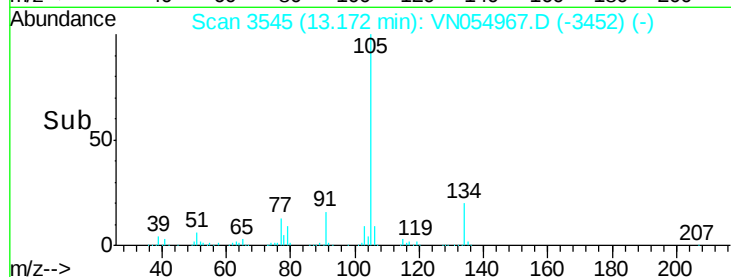
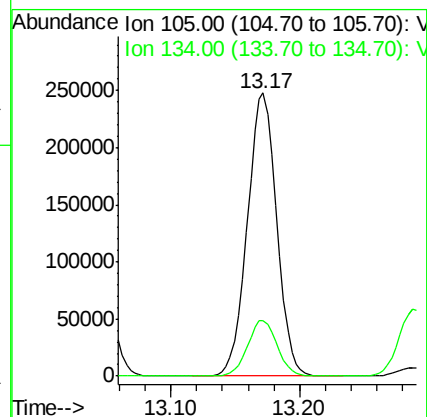
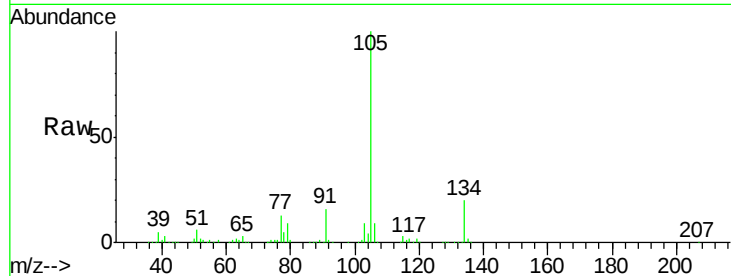
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:34:07 AM



#86

p-Isopropyltoluene

Concen: 20.502 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

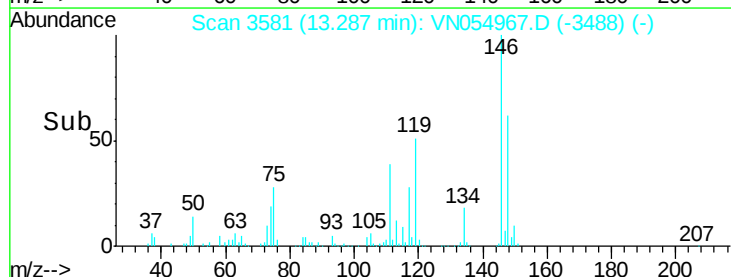
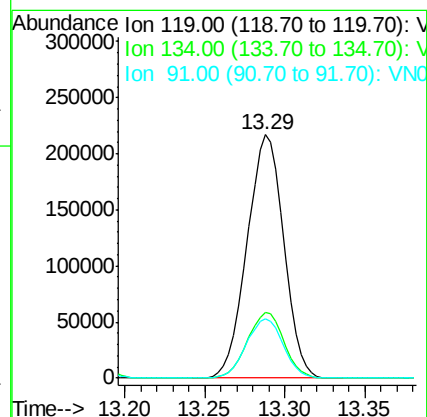
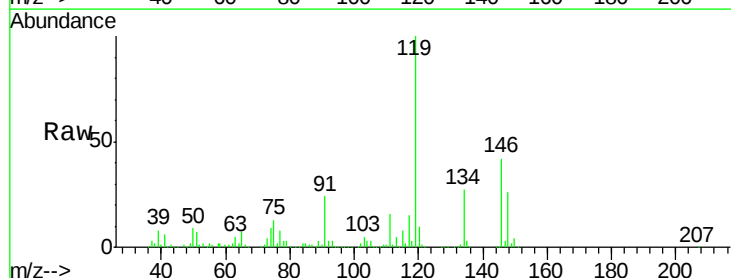
Tgt Ion:119 Resp: 339365

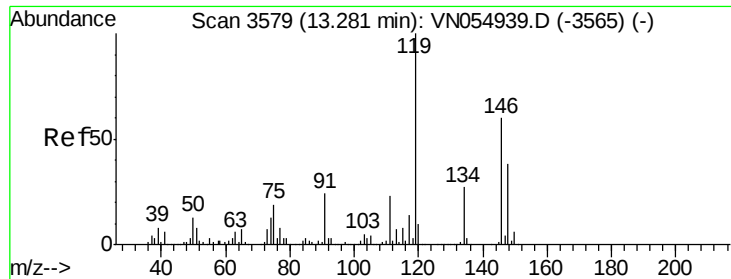
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 24.6 11.9 35.7





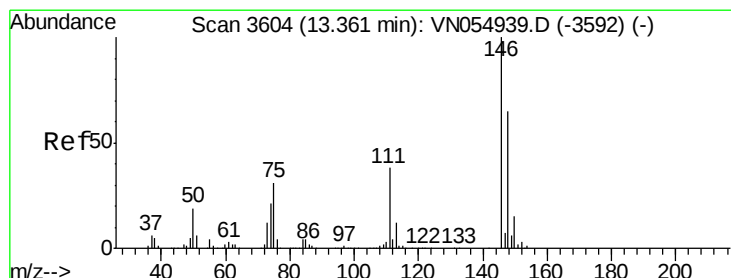
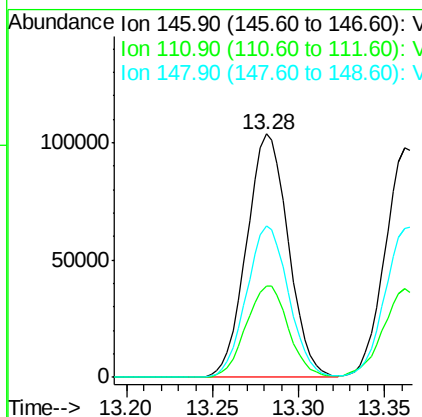
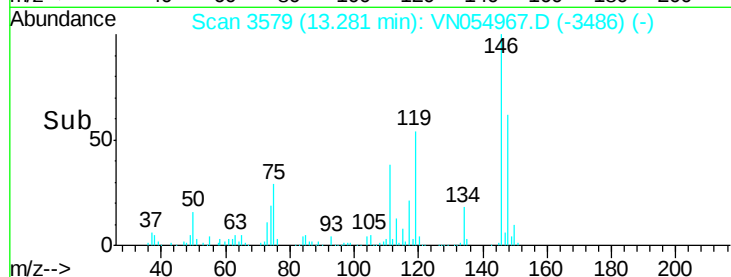
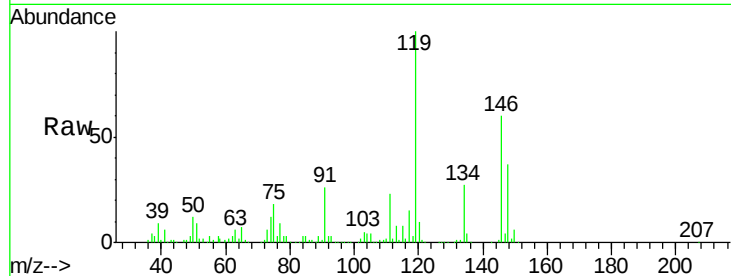
#87
 1,3-Dichlorobenzene
 Concen: 20.374 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.6	58.7
148	62.7	31.7	95.1

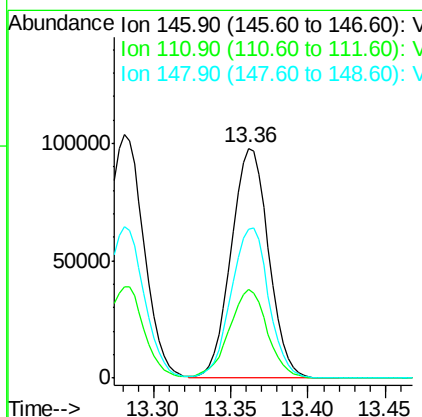
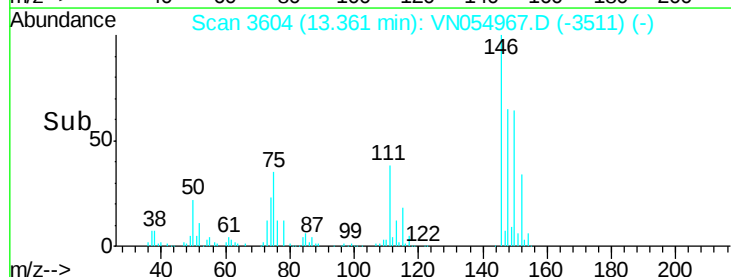
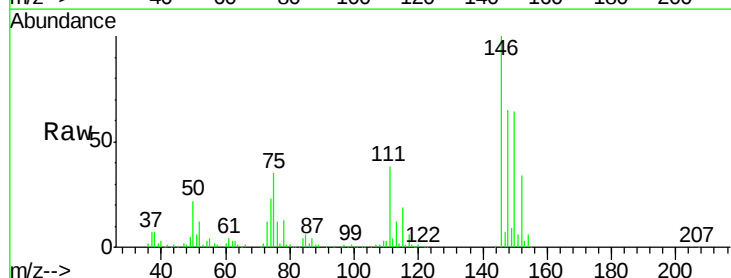
Manual Integrations
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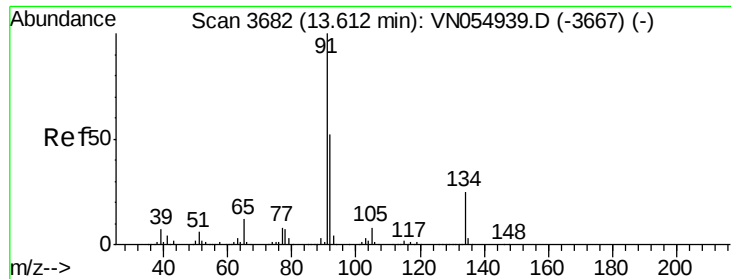
MMDadoda
 4/8/2019 3:34:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.2	57.6
148	65.7	31.9	95.7





#89

n-Butylbenzene

Concen: 20.316 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

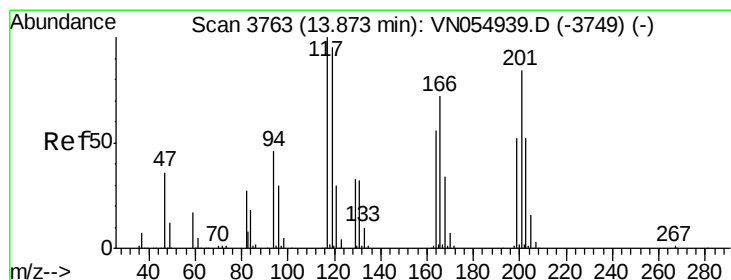
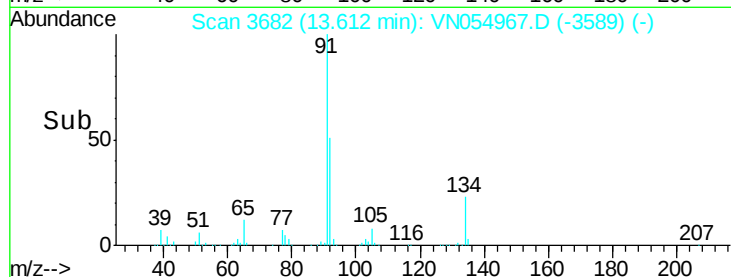
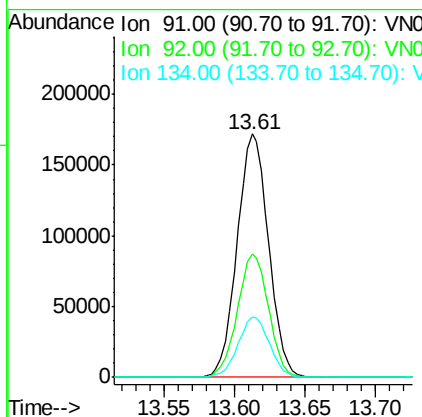
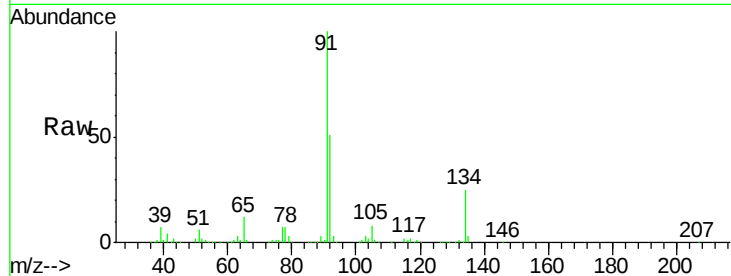
ClientSampleId :

VN0405WBS01

Tot Ion:	91	Resp:	268746
Ion Ratio	Lower	Upper	
91	100		
92	50.2	26.1	78.2
134	24.8	12.6	37.8

Manual Integrations
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#90

Hexachloroethane

Concen: 20.288 ug/l

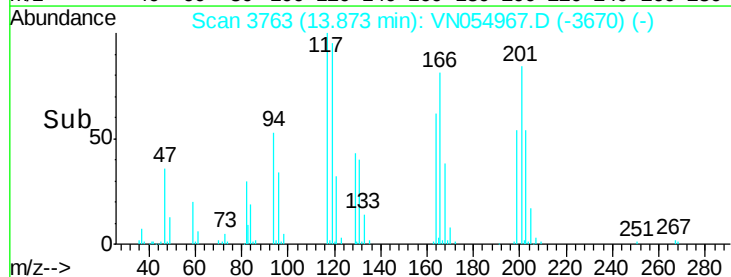
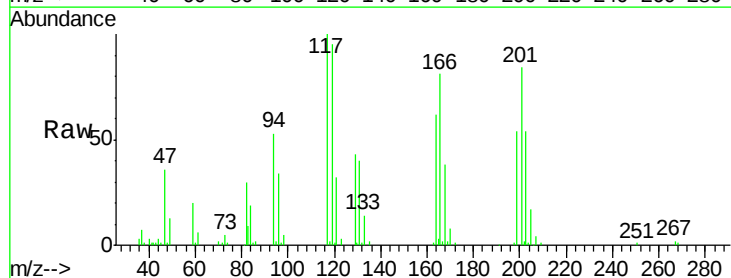
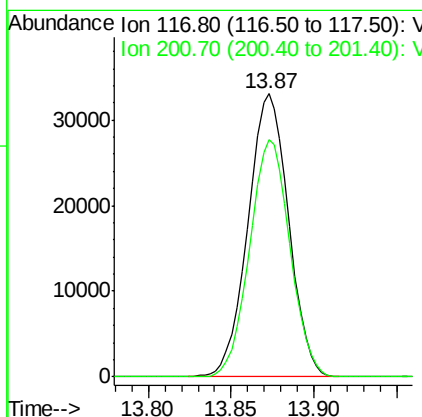
RT: 13.87 min Scan# 3763

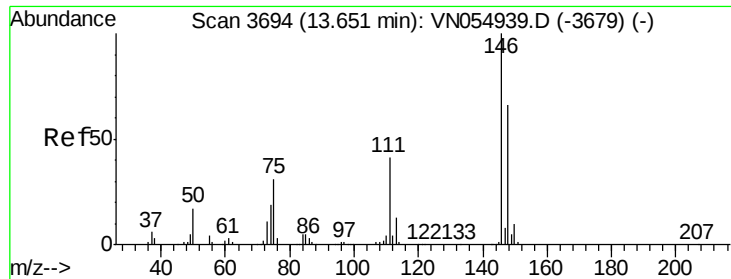
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion:	117	Resp:	56409
Ion Ratio	Lower	Upper	
117	100		
201	83.1	42.5	127.6





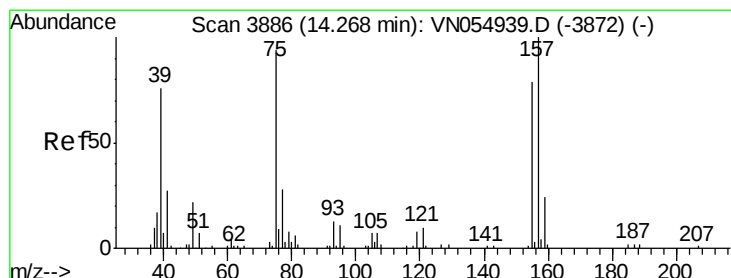
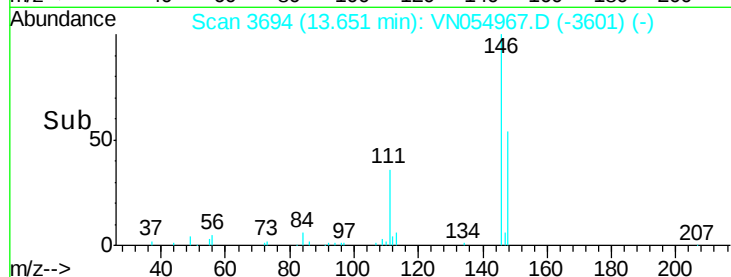
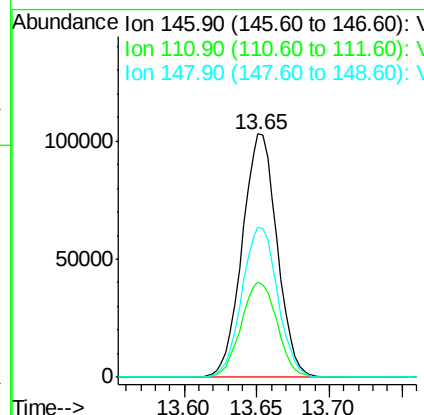
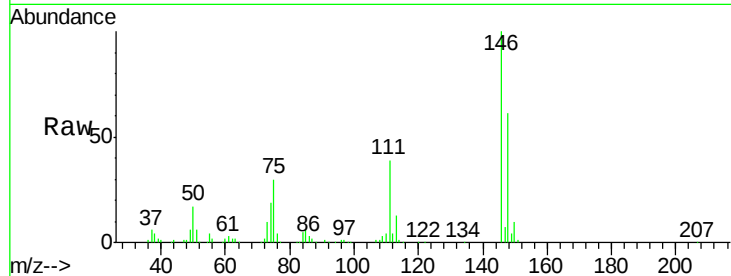
#91
 1,2-Dichlorobenzene
 Concen: 20.492 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.1	32.1	96.5

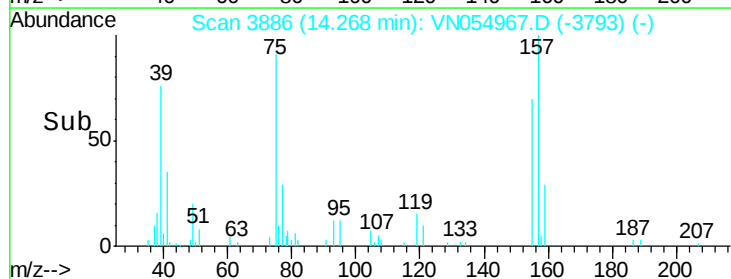
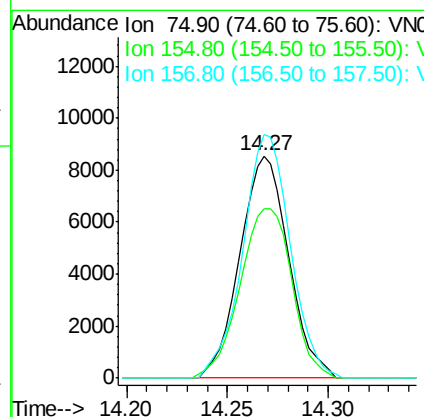
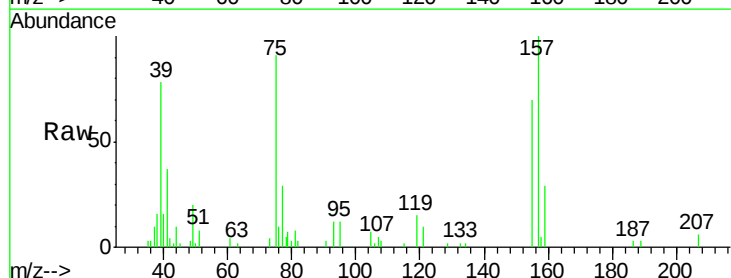
Manual Integrations
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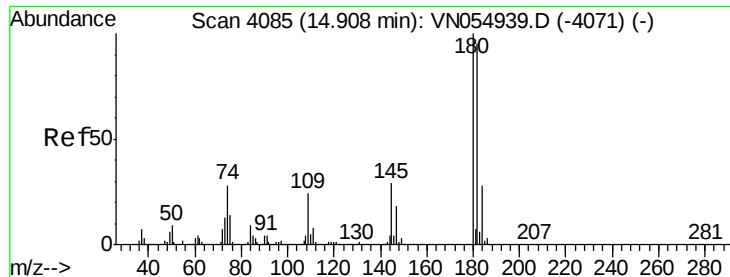
MMDadoda
 4/8/2019 3:34:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.5	124.6
157	107.4	54.4	163.2





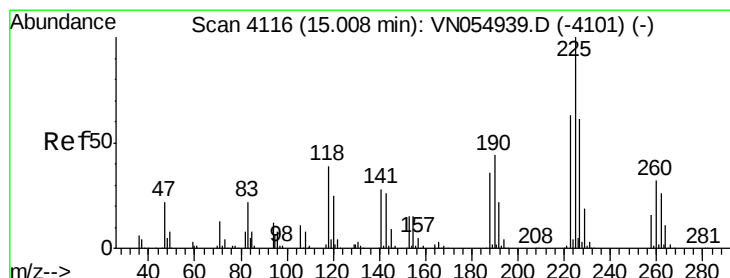
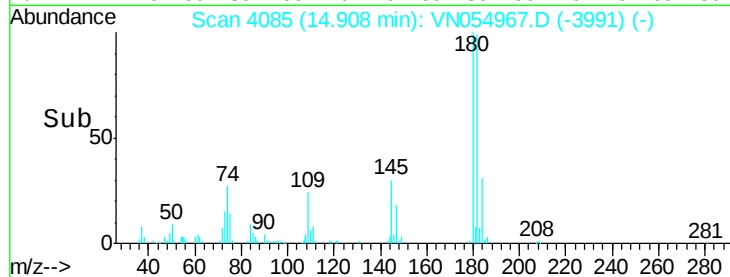
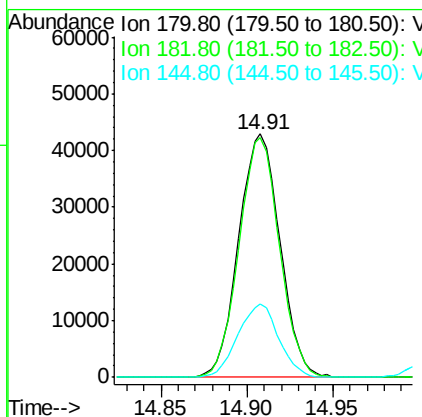
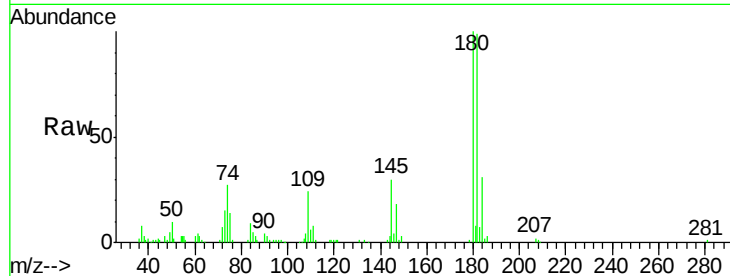
#93
 1,2,4-Trichlorobenzene
 Concen: 17.972 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	29.8	14.6	43.8

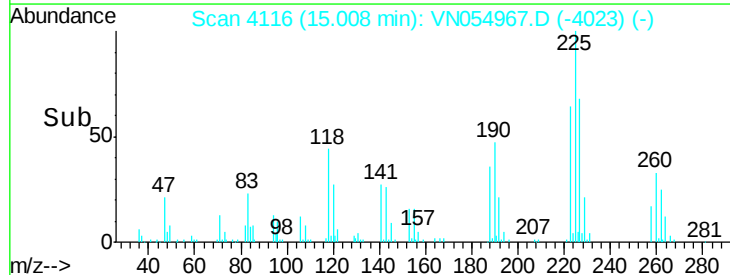
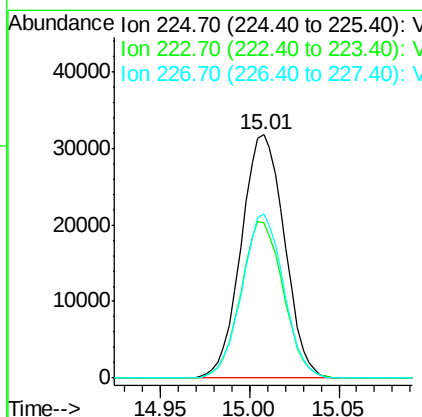
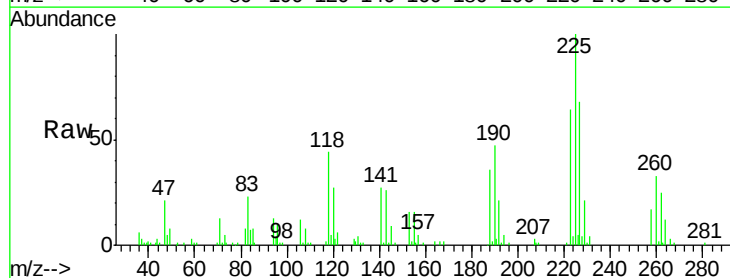
Manual Integrations
 APPROVED

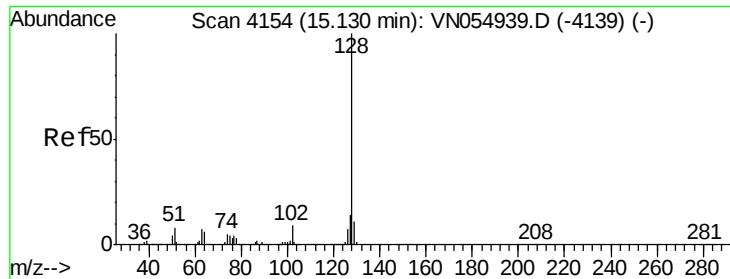
MMDadoda
 4/8/2019 3:34:07 AM



#94
 Hexachlorobutadiene
 Concen: 19.117 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.5
227	64.8	30.9	92.5





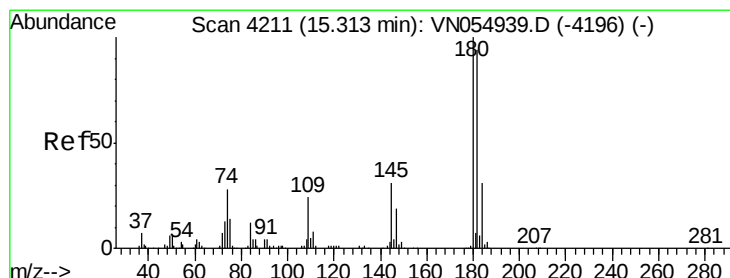
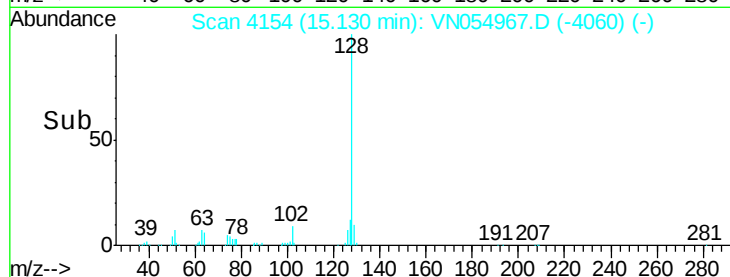
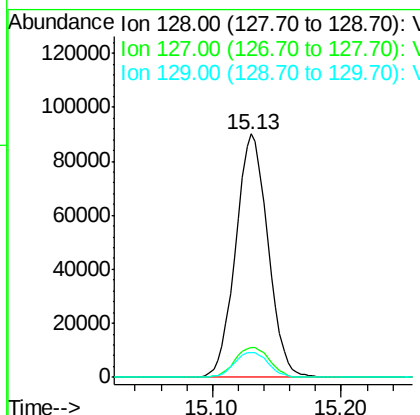
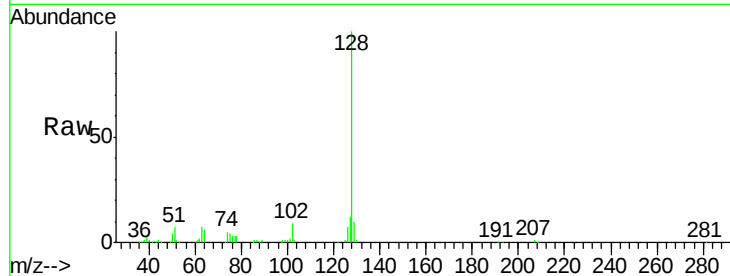
#95
Naphthalene
Concen: 18.348 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156435		
127	13.3	10.6	16.0	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

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4/8/2019 3:34:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.354 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74731		
182	95.6	47.5	142.5	
145	32.9	15.6	46.8	

