

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054667.D
 Acq On : 25 Mar 2019 12:48
 Operator : JC/SP
 Sample : VN0325MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:32:57 PM

Quant Time: Mar 26 01:59:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	404100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281595	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	7.59	113	221389	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	811364	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	273244	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	87704	22.703	ug/l	99
3) Chloromethane	2.06	50	119554	22.746	ug/l	98
4) Vinyl Chloride	2.19	62	109123	20.679	ug/l	98
5) Bromomethane	2.57	94	64104	18.786	ug/l	90
6) Chloroethane	2.71	64	60166	19.009	ug/l	96
7) Trichlorofluoromethane	3.03	101	138600	21.627	ug/l	98
8) Diethyl Ether	3.41	74	47179	19.142	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70783	18.794	ug/l	95
10) Methyl Iodide	3.95	142	100321	18.108	ug/l	90
11) Tert butyl alcohol	4.82	59	32690	107.424	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	68308	17.525	ug/l #	74
13) Acrolein	3.61	56	39712	94.564	ug/l	99
14) Allyl chloride	4.32	41	163763	22.312	ug/l #	93
15) Acrylonitrile	5.00	53	183035	120.782	ug/l	99
16) Acetone	3.82	43	147398	97.538	ug/l #	82
17) Carbon Disulfide	4.04	76	180834	17.315	ug/l	99
18) Methyl Acetate	4.33	43	82689	24.550	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	261417	22.981	ug/l	94
20) Methylene Chloride	4.55	84	96429	21.647	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	87695	22.034	ug/l #	83
22) Diisopropyl ether	5.96	45	346298	23.920	ug/l #	94
23) Vinyl Acetate	5.90	43	1210439	118.383	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	180691	23.180	ug/l	97
25) 2-Butanone	6.85	43	231428	119.551	ug/l #	85
26) 2,2-Dichloropropane	6.82	77	119999	21.596	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	104438	22.000	ug/l	88
28) Bromochloromethane	7.20	49	94905	24.735	ug/l #	72
29) Tetrahydrofuran	7.22	42	157103	125.060	ug/l #	83
30) Chloroform	7.37	83	176622	23.218	ug/l	98
31) Cyclohexane	7.65	56	175903	22.530	ug/l #	84
32) 1,1,1-Trichloroethane	7.57	97	138164	22.015	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130232	20.414	ug/l	96
37) Ethyl Acetate	6.94	43	102715	22.637	ug/l	94
38) Carbon Tetrachloride	7.77	117	117128	18.893	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	141066	19.330	ug/l #	87
40) Benzene	8.04	78	386827	21.204	ug/l	98
41) Methacrylonitrile	7.18	41	60390	21.824	ug/l	90
42) 1,2-Dichloroethane	8.12	62	139938	21.063	ug/l	98
43) Isopropyl Acetate	8.17	43	170517	22.252	ug/l #	91
44) Trichloroethene	8.83	130	103074	20.323	ug/l	96
45) 1,2-Dichloropropane	9.12	63	109565	22.367	ug/l	100
46) Dibromomethane	9.21	93	62815	21.494	ug/l	88
47) Bromodichloromethane	9.40	83	125728	20.730	ug/l	98
48) Methyl methacrylate	9.20	41	87159	20.956	ug/l	88
49) 1,4-Dioxane	9.20	88	19490	419.160	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	476747	112.258	ug/l	94
52) Toluene	10.16	92	230818	20.571	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	111859	18.935	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	141362	20.328	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	86620	21.476	ug/l	95
56) Ethyl methacrylate	10.43	69	110998	20.504	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	152224	21.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	191121	85.737	ug/l #	88
59) 2-Hexanone	10.75	43	301393	108.648	ug/l	91
60) Dibromochloromethane	10.90	129	85070	19.822	ug/l	98
61) 1,2-Dibromoethane	11.01	107	83071	20.834	ug/l	99
64) Tetrachloroethene	10.63	164	99188	20.451	ug/l	95
65) Chlorobenzene	11.43	112	243864	20.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88398	20.709	ug/l	98
67) Ethyl Benzene	11.51	91	437398	20.821	ug/l	98
68) m/p-Xylenes	11.62	106	322189	40.491	ug/l	95
69) o-Xylene	11.95	106	157171	20.226	ug/l	95
70) Styrene	11.96	104	257838	20.432	ug/l	96
71) Bromoform	12.13	173	50525	18.627	ug/l #	100
73) Isopropylbenzene	12.25	105	419537	20.702	ug/l	99
74) N-amyl acetate	12.07	43	131918	22.639	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	104062	22.495	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	90680m	22.723	ug/l	
77) Bromobenzene	12.53	156	107521	21.393	ug/l	89
78) n-propylbenzene	12.59	91	460877	20.973	ug/l	97
79) 2-Chlorotoluene	12.67	91	282892	20.644	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	341700	20.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19042	18.578	ug/l #	76
82) 4-Chlorotoluene	12.77	91	274240	20.646	ug/l	94
83) tert-Butylbenzene	12.99	119	296420	20.503	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	331222	20.324	ug/l	98
85) sec-Butylbenzene	13.17	105	371783	20.629	ug/l	97
86) p-Isopropyltoluene	13.29	119	328700	20.386	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	167393	20.098	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	157841	19.477	ug/l	96
89) n-Butylbenzene	13.61	91	251328	19.935	ug/l	98
90) Hexachloroethane	13.88	117	49023	19.587	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	168343	20.867	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13701	20.192	ug/l	88

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QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75684	18.819	ug/l	99
94) Hexachlorobutadiene	15.01	225	52198	21.698	ug/l	99
95) Naphthalene	15.13	128	186709	20.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79808	19.939	ug/l	97

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

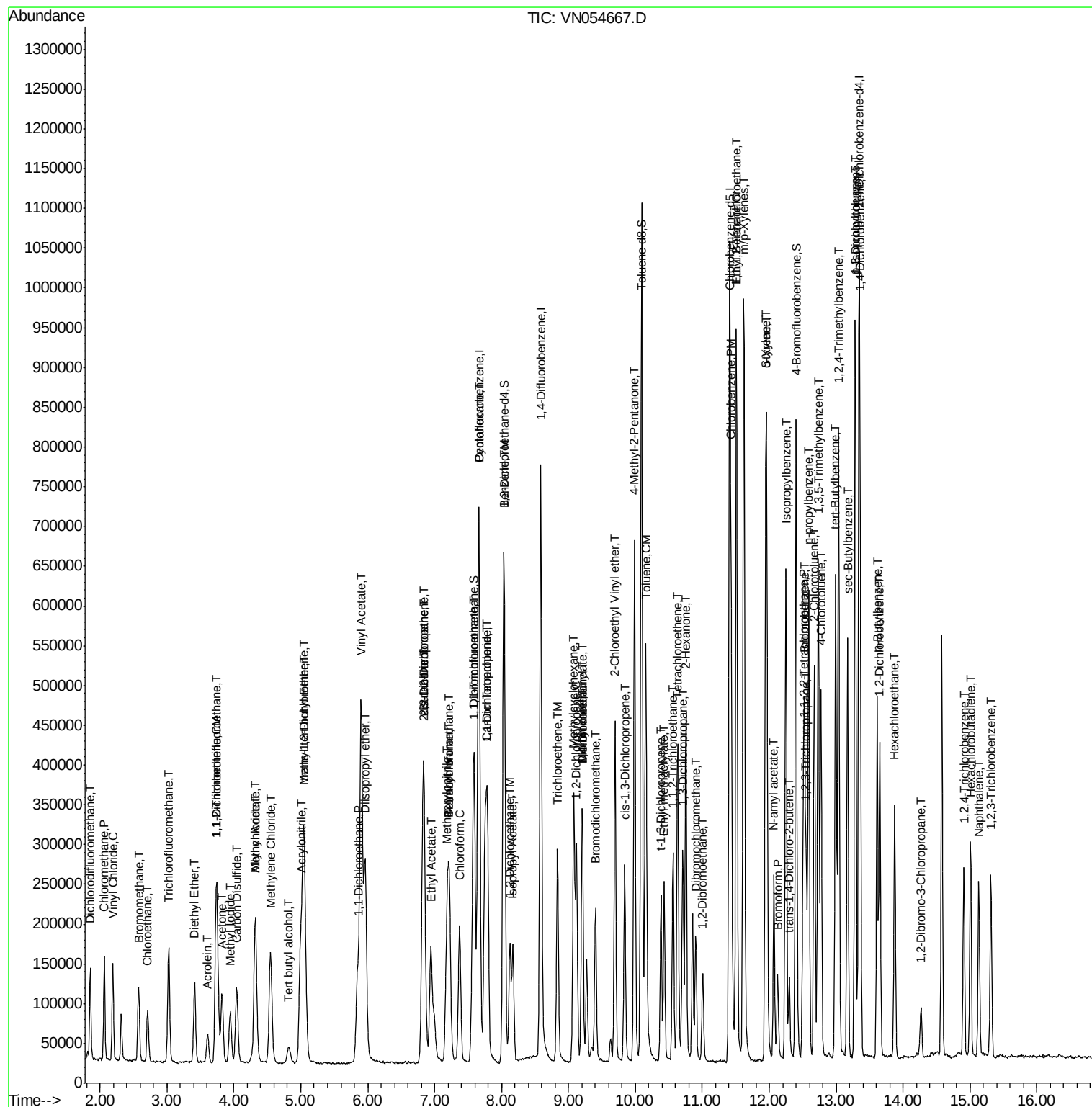
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 Data File : VN054667.D
 Acq On : 25 Mar 2019 12:48
 Operator : JC/SP
 Sample : VN0325MBS01
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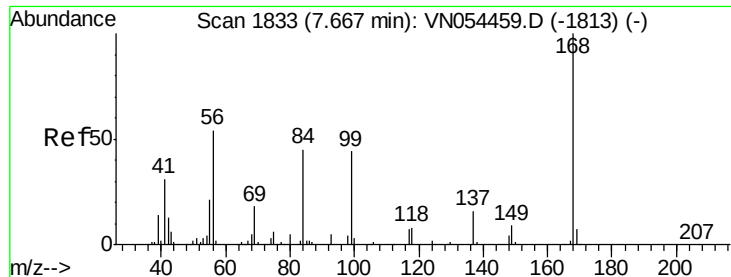
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0325MBS01

Manual Integrations
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MMDadoda
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion:168 Resp: 404100

Ion Ratio Lower Upper

168 100

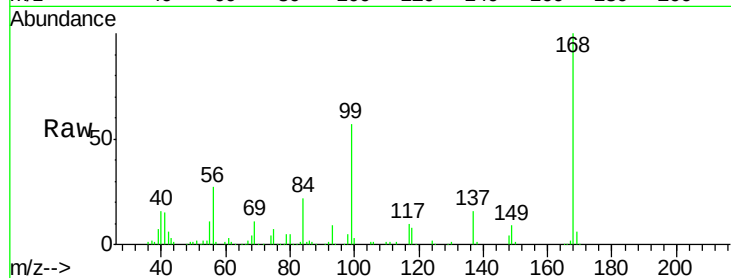
99 55.0 37.1 55.7

Manual Integrations

APPROVED

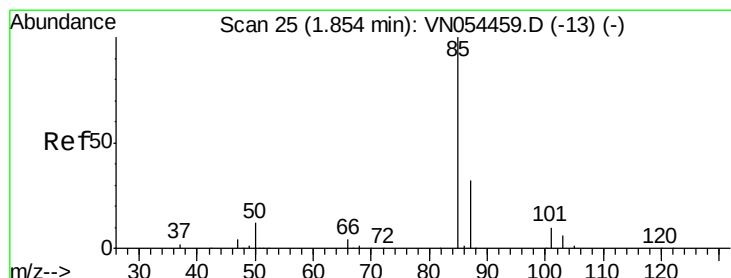
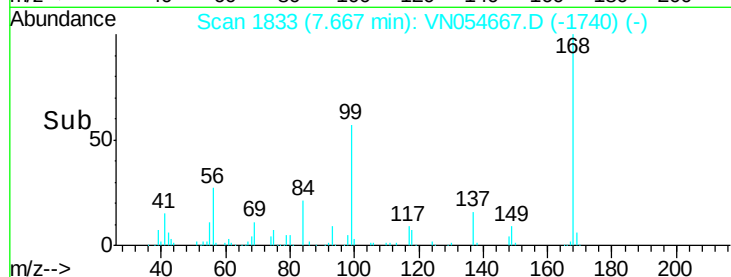
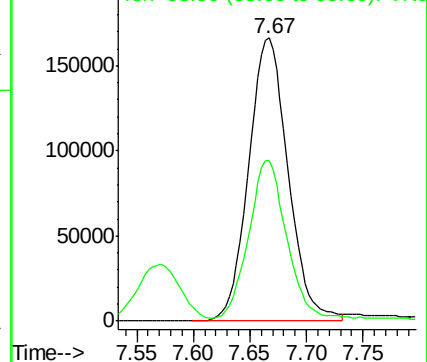
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3/26/2019 12:32:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.703 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054667.D

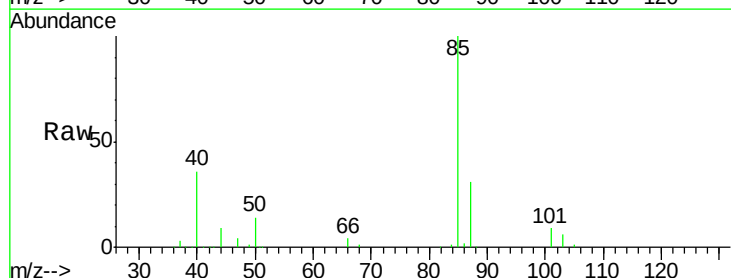
Acq: 25 Mar 2019 12:48

Tgt Ion: 85 Resp: 87704

Ion Ratio Lower Upper

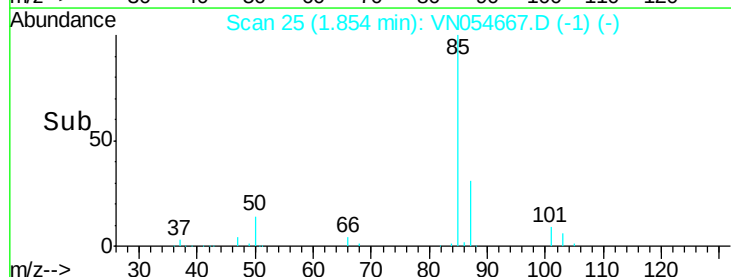
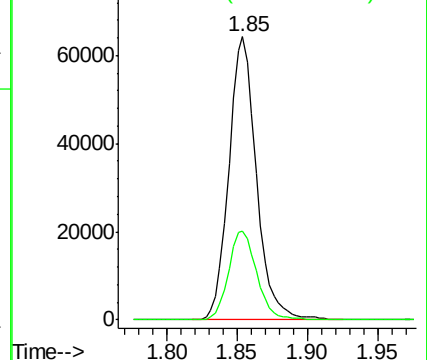
85 100

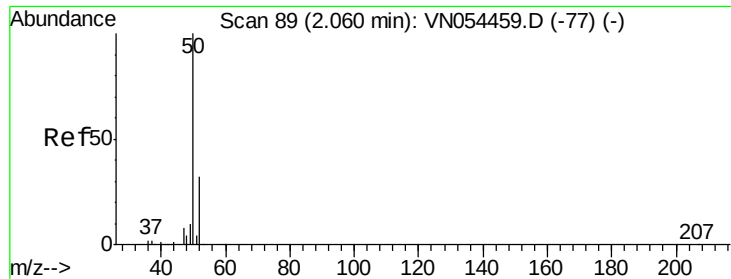
87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.746 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 50 Resp: 119554

Ion Ratio Lower Upper

50 100

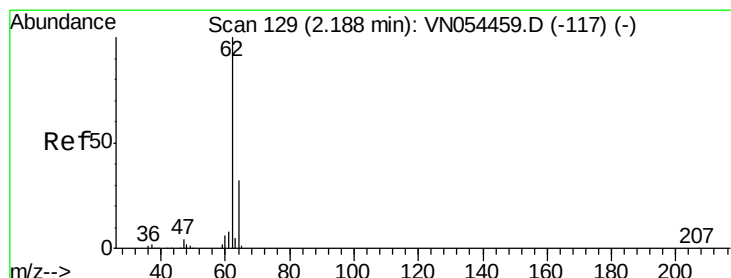
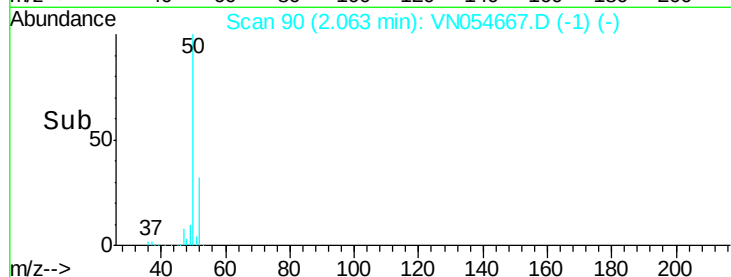
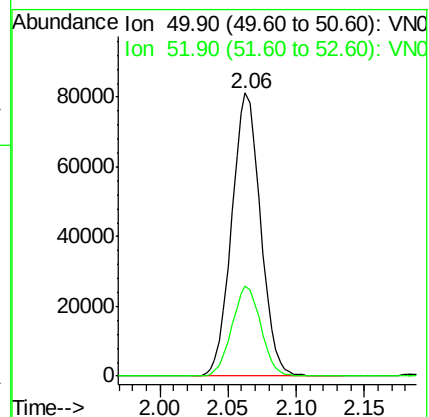
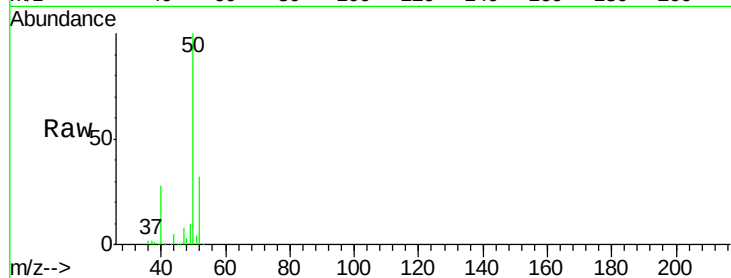
52 31.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.679 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054667.D

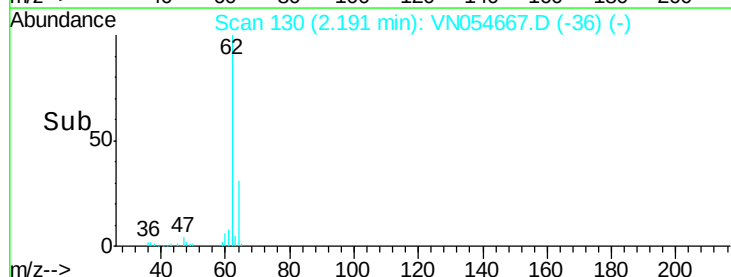
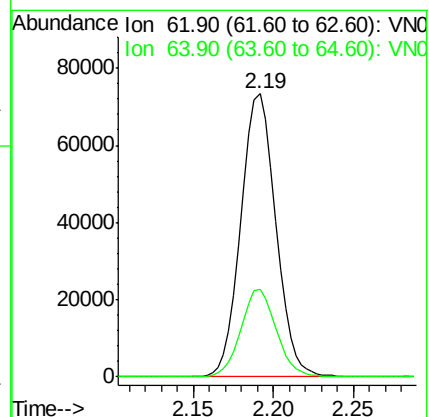
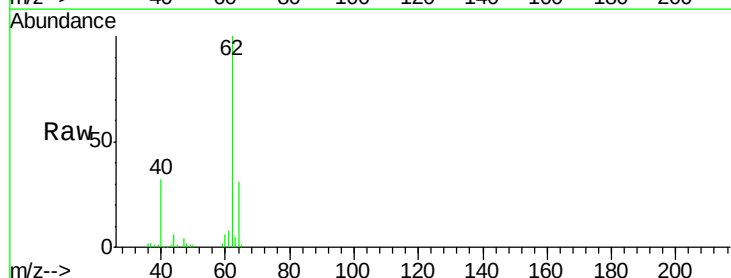
Acq: 25 Mar 2019 12:48

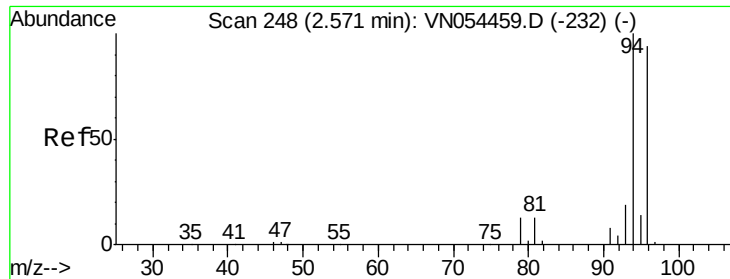
Tgt Ion: 62 Resp: 109123

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 18.786 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

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ClientSampleId :

VN0325MBS01

Tot Ion: 94 Resp: 64104

Ion Ratio Lower Upper

94 100

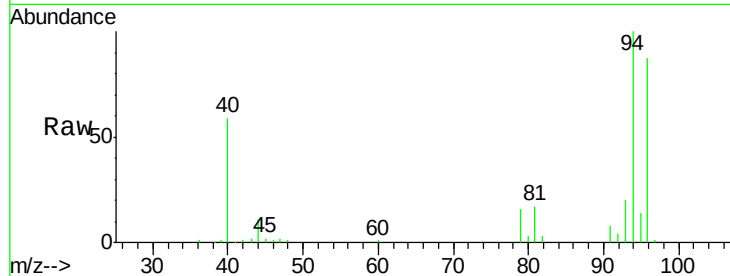
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Manual Integrations

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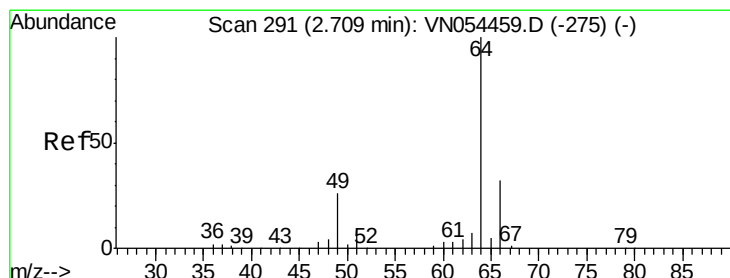
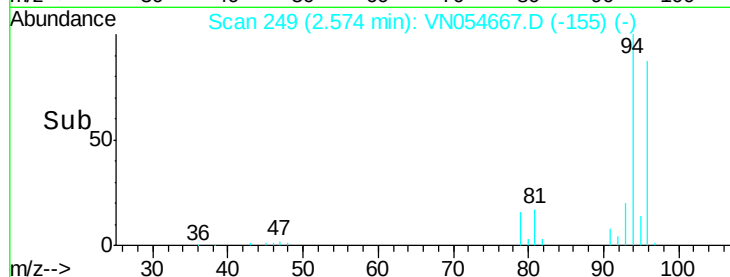
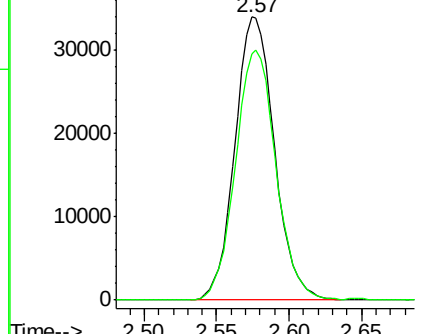
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.009 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054667.D

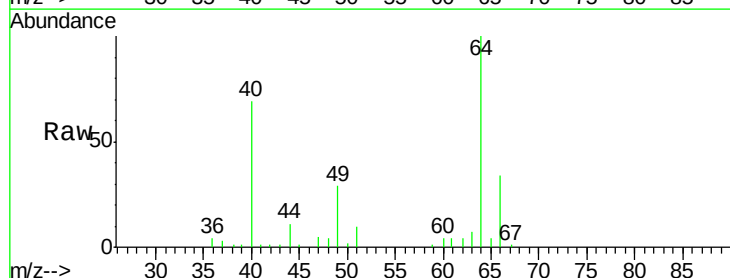
Acq: 25 Mar 2019 12:48

Tgt Ion: 64 Resp: 60166

Ion Ratio Lower Upper

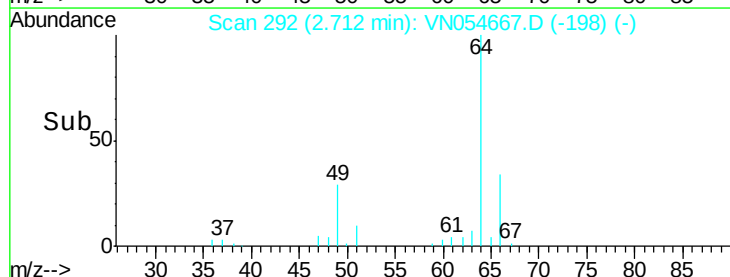
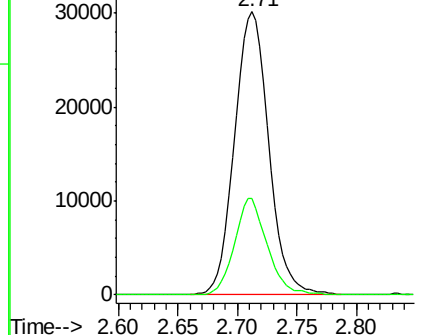
64 100

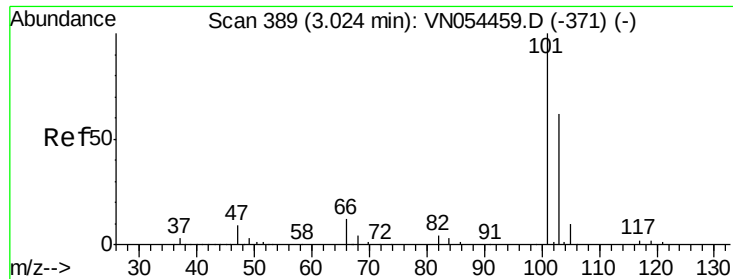
66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

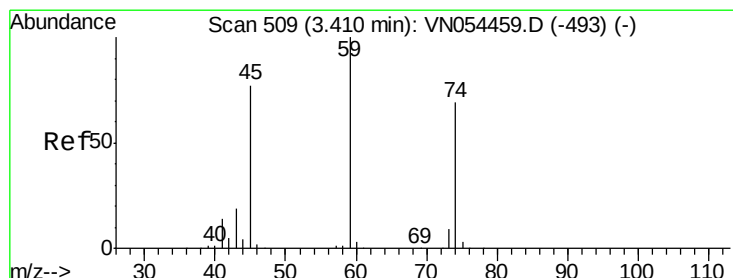
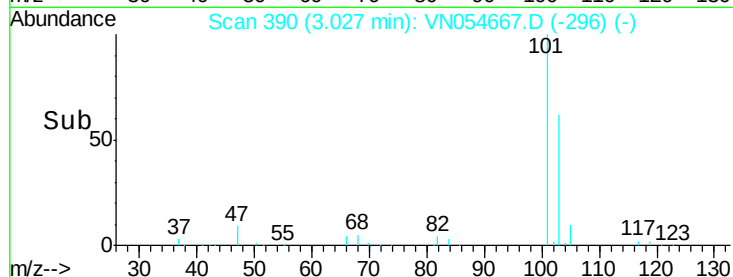
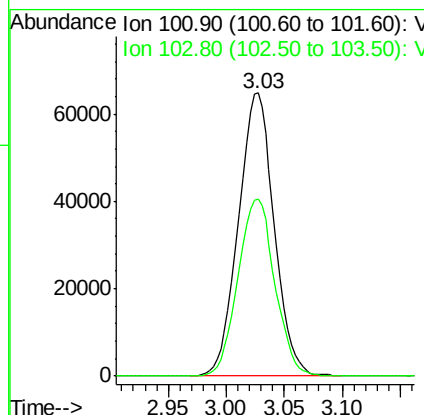
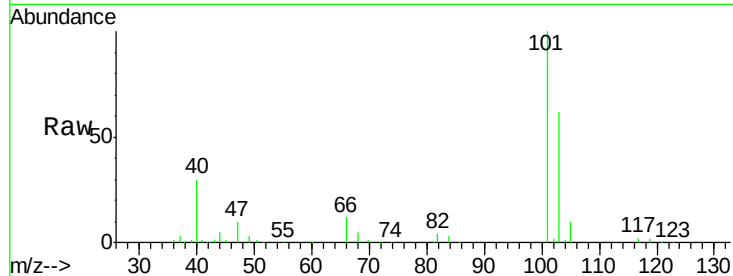
Trichlorofluoromethane
Concen: 21.627 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.2

Manual Integrations
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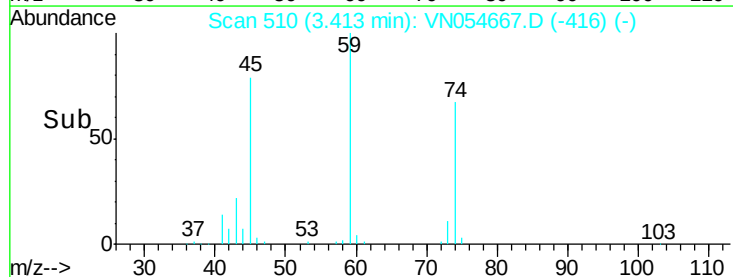
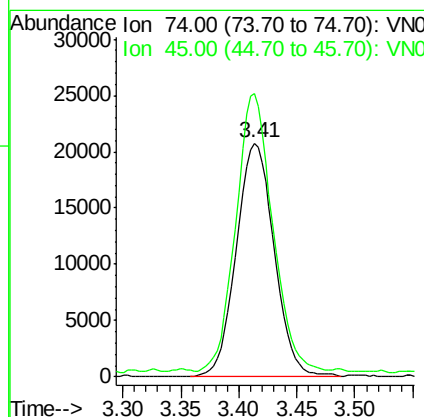
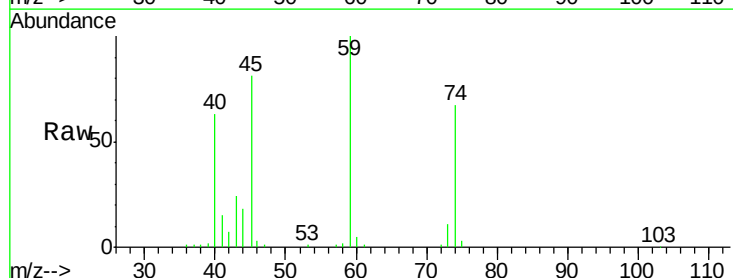
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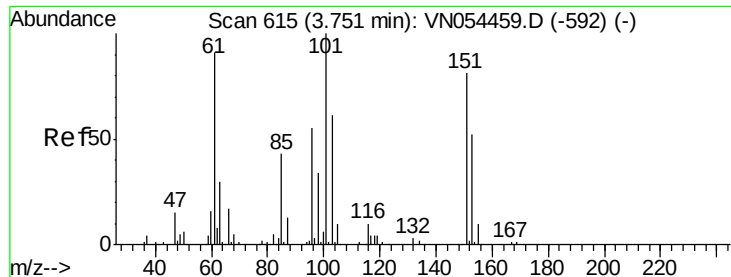


#8

Diethyl Ether
Concen: 19.142 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.794 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion:101 Resp: 70783

Ion Ratio Lower Upper

101 100

85 47.0 32.4 48.6

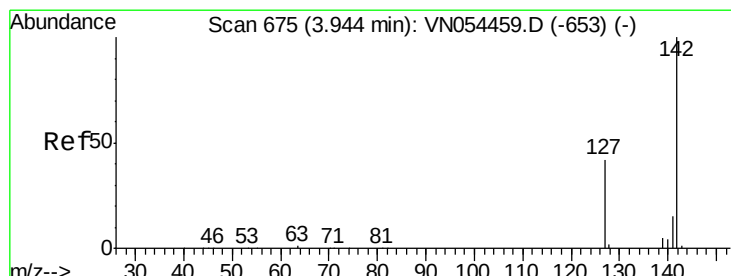
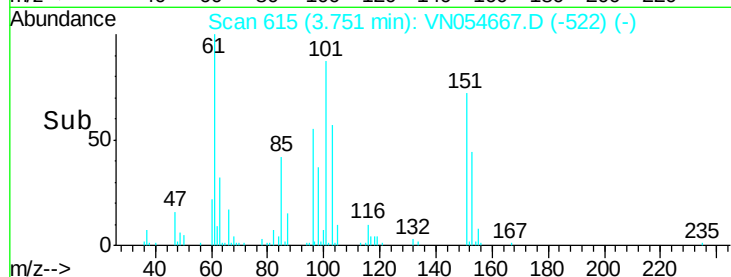
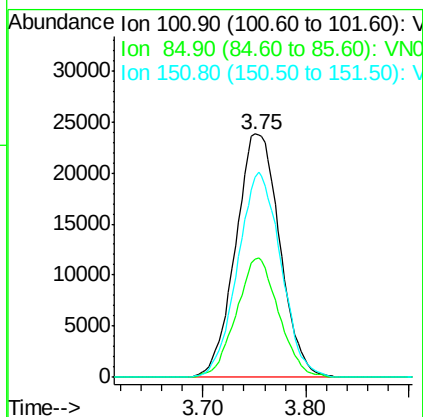
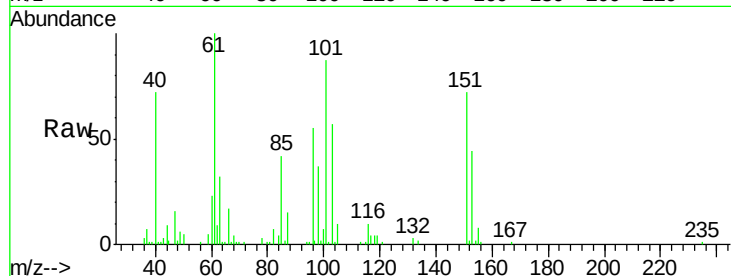
151 82.7 68.2 102.2

Manual Integrations

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#10

Methyl Iodide

Concen: 18.108 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

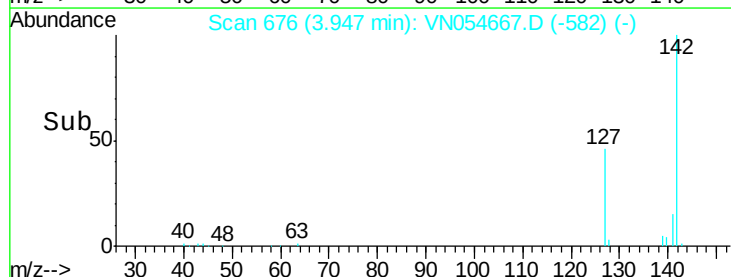
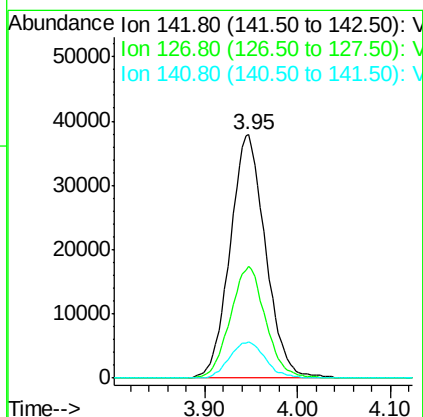
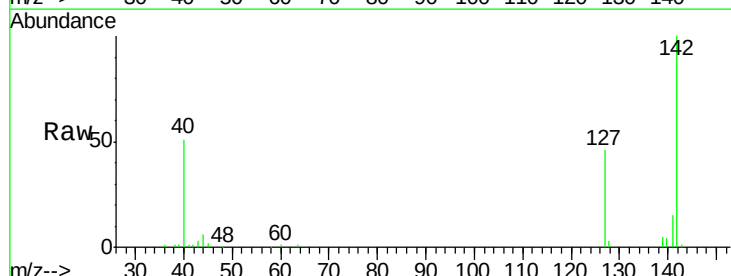
Tgt Ion:142 Resp: 100321

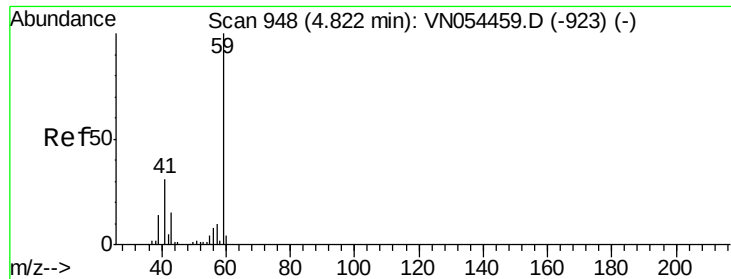
Ion Ratio Lower Upper

142 100

127 45.4 30.3 45.5

141 14.9 11.2 16.8





#11

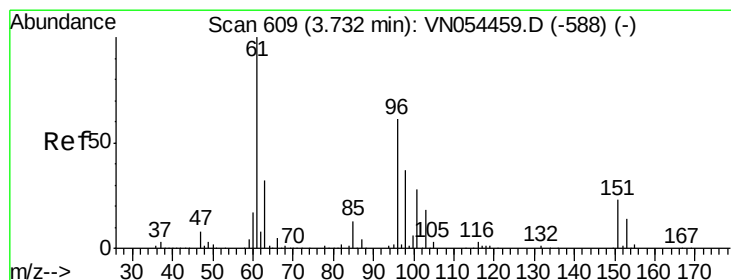
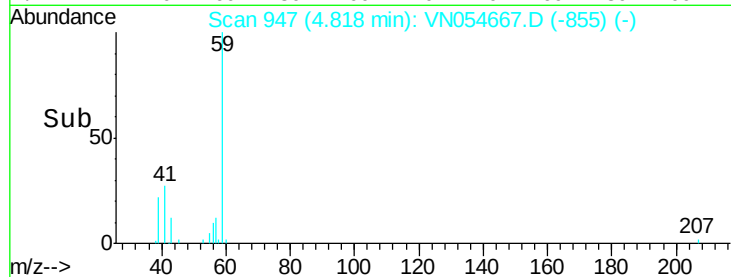
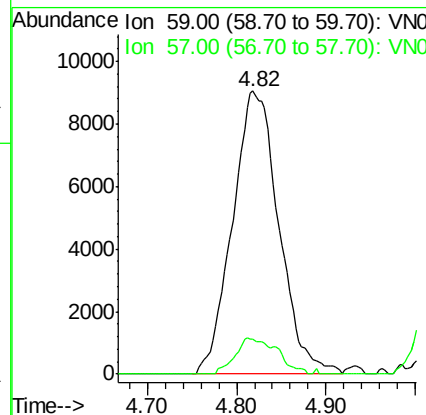
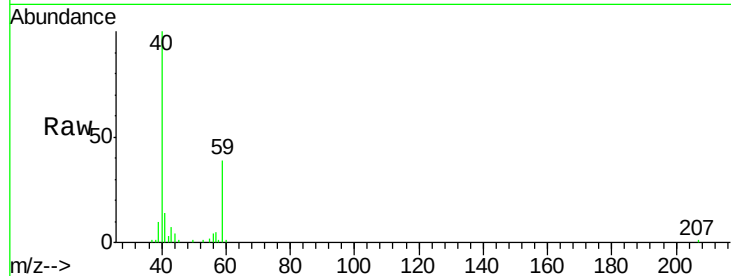
Tert butyl alcohol
 Concen: 107.424 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	9.0	13.6#

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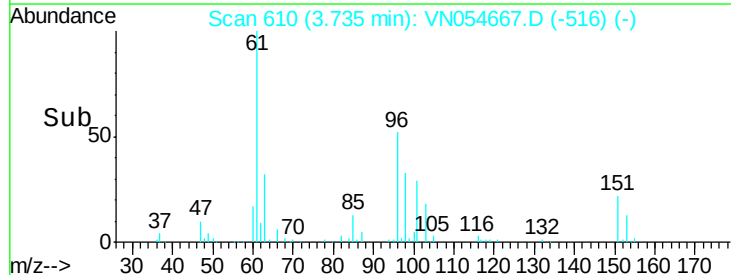
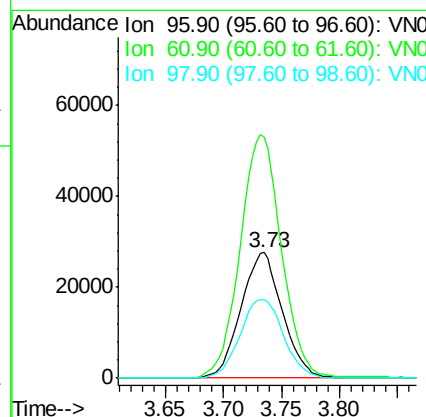
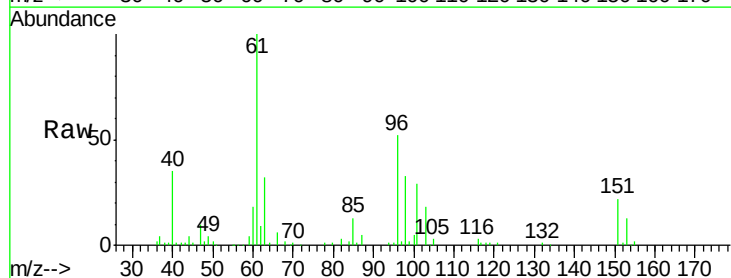
MMDadoda
 3/26/2019 12:32:57 PM

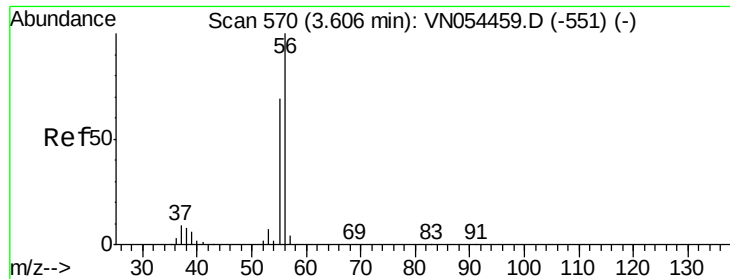


#12

1,1-Dichloroethene
 Concen: 17.525 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.7	116.5	174.7#
98	62.6	51.0	76.4





#13

Acrolein

Concen: 94.564 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 56 Resp: 39712

Ion Ratio Lower Upper

56 100

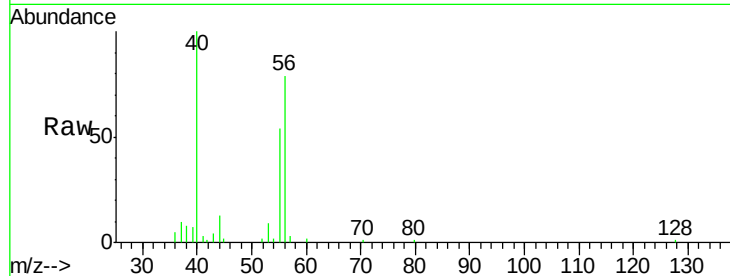
55 70.1 56.7 85.1

Manual Integrations

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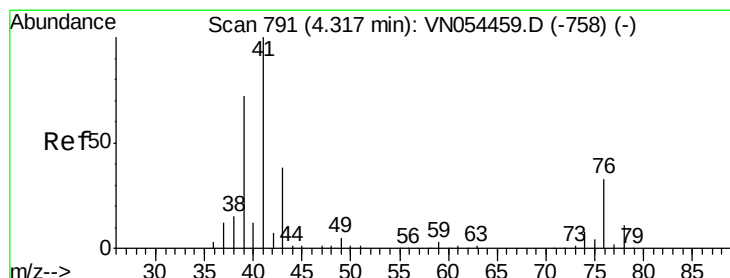
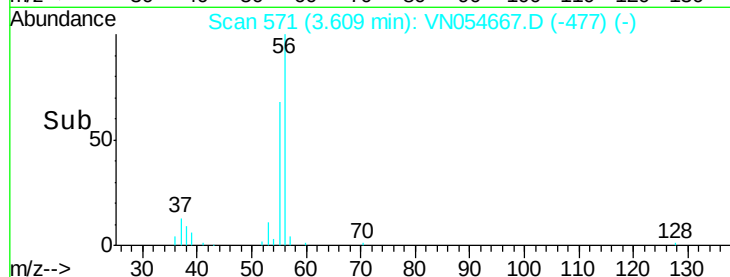
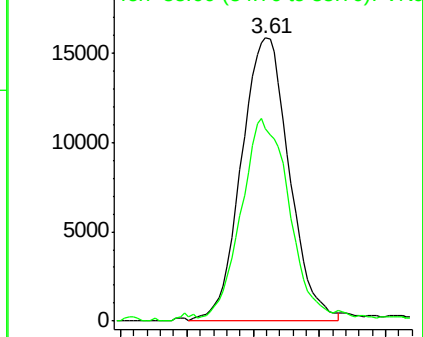
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.312 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

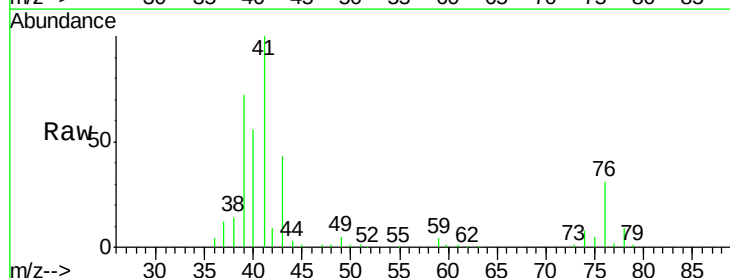
Tgt Ion: 41 Resp: 163763

Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

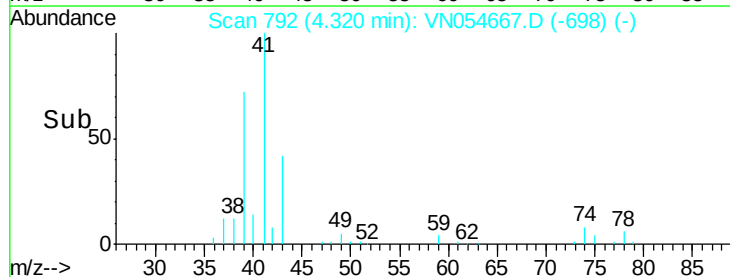
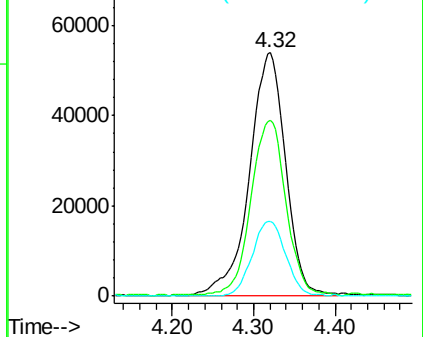
76 28.9 31.7 47.5#

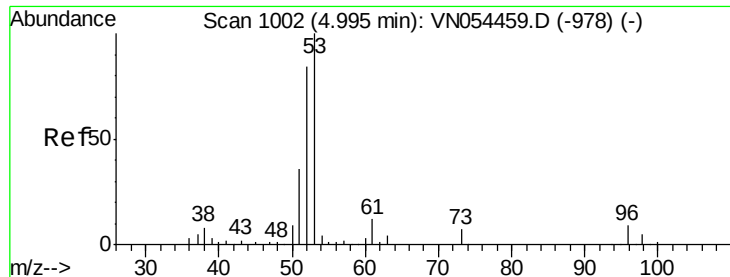


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 120.782 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

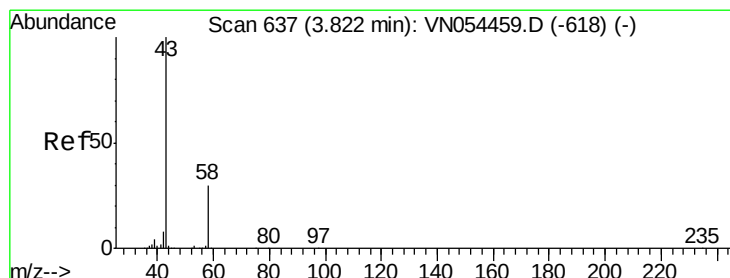
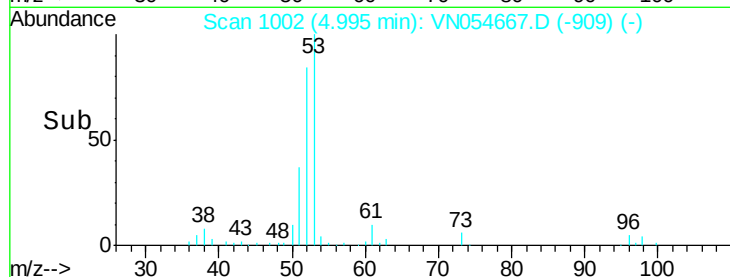
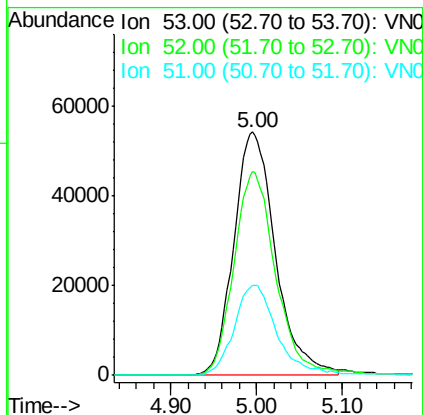
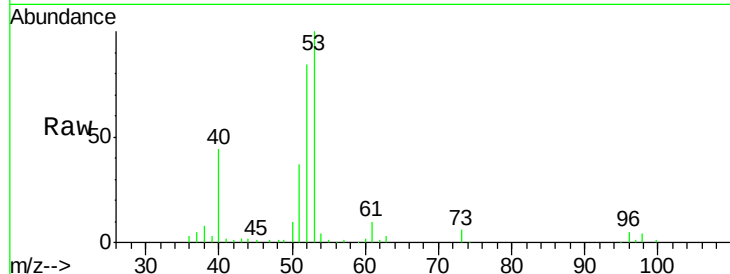
ClientSampleId :

VN0325MBS01

Tot Ion:	53	Resp:	183035
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.4	99.6
51	37.4	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 97.538 ug/l

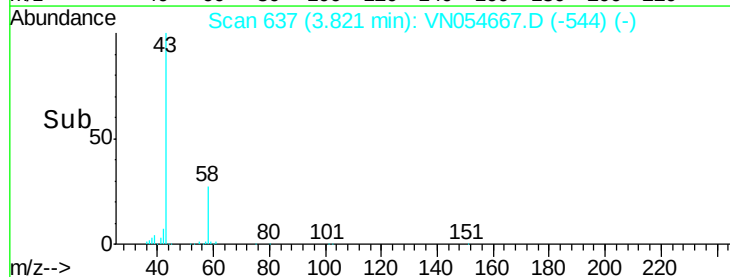
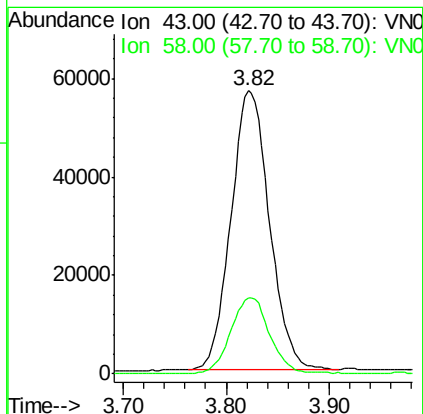
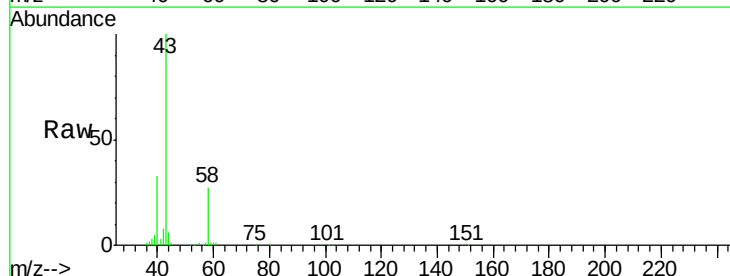
RT: 3.82 min Scan# 637

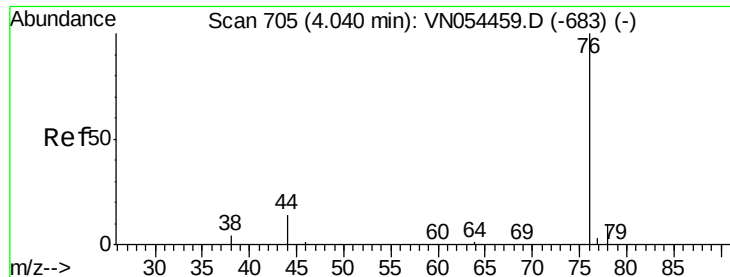
Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	43	Resp:	147398
Ion Ratio	Lower	Upper	
43	100		
58	26.8	29.9	44.9#





#17

Carbon Disulfide

Concen: 17.315 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 76 Resp: 180834

Ion Ratio Lower Upper

76 100

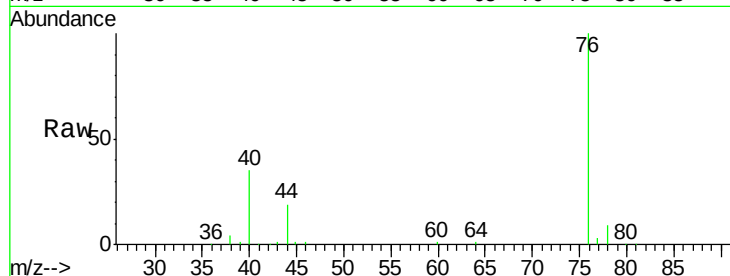
78 9.1 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

60000

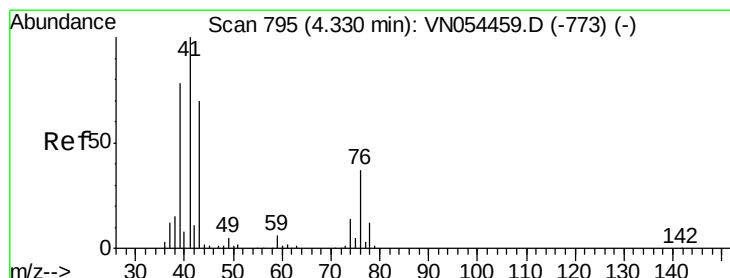
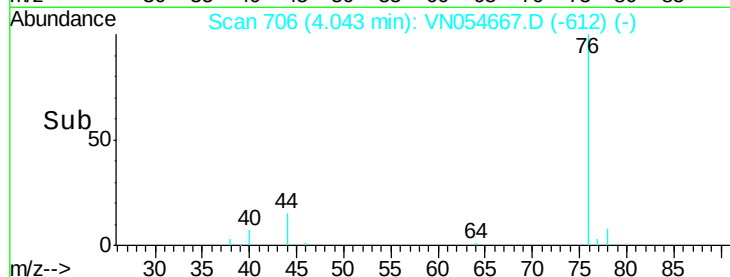
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 24.550 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054667.D

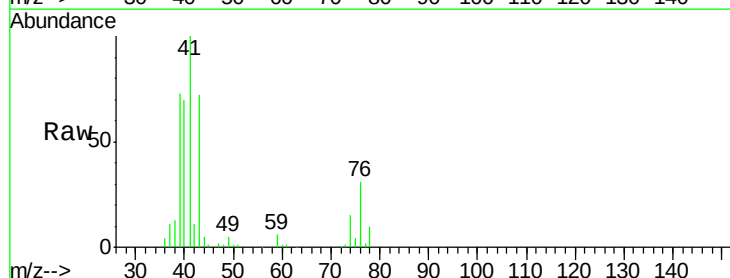
Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 82689

Ion Ratio Lower Upper

43 100

74 20.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

30000

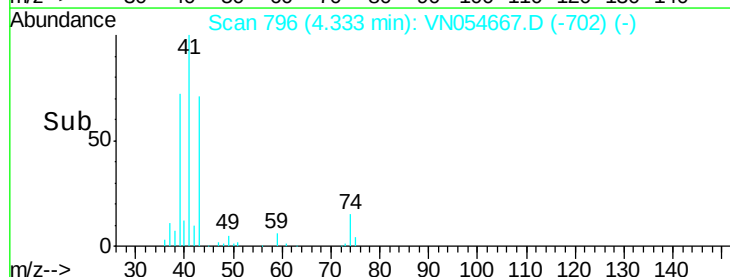
20000

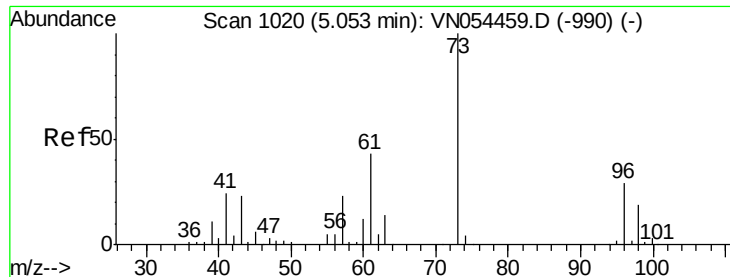
10000

0

Time-->

4.20 4.30 4.40





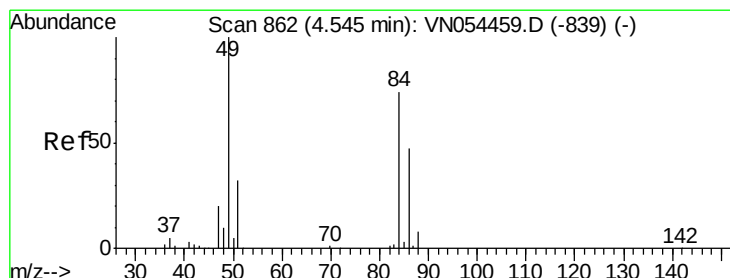
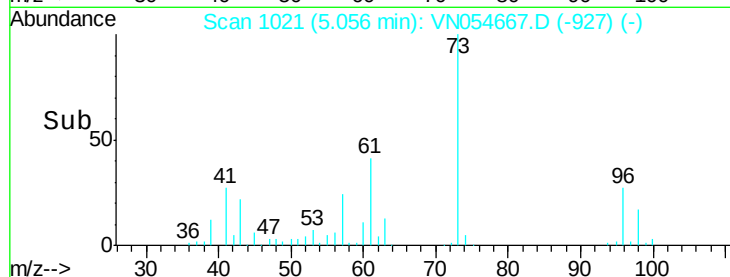
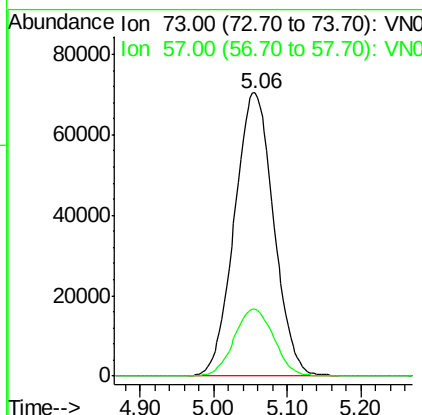
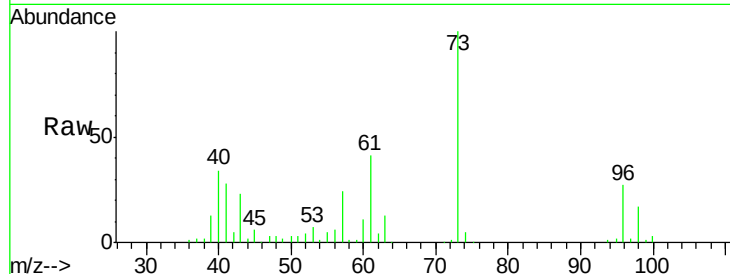
#19
Methyl tert-butyl Ether
Concen: 22.981 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion: 73 Resp: 261417
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

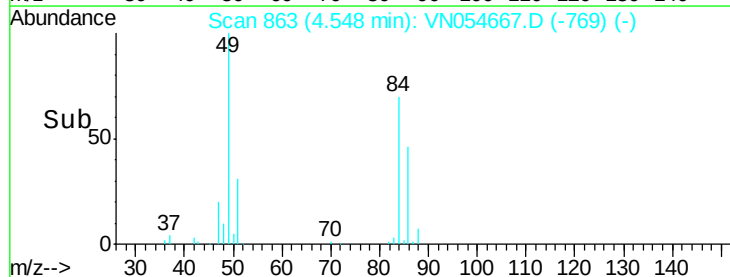
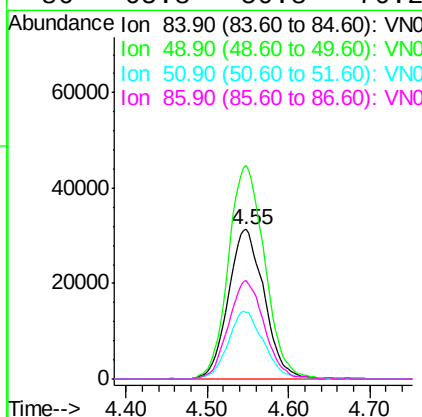
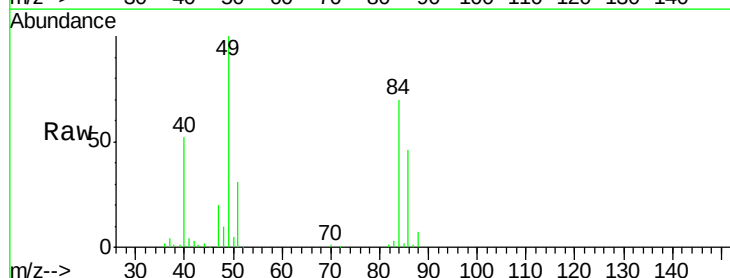
Manual Integrations
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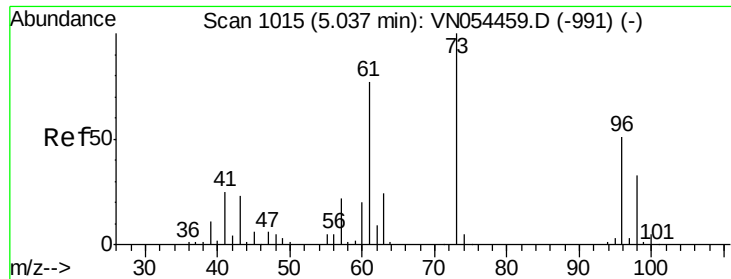
MMDadoda
3/26/2019 12:32:57 PM



#20
Methylene Chloride
Concen: 21.647 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 84 Resp: 96429
Ion Ratio Lower Upper
84 100
49 143.1 89.7 134.5#
51 44.7 28.2 42.4#
86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.034 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

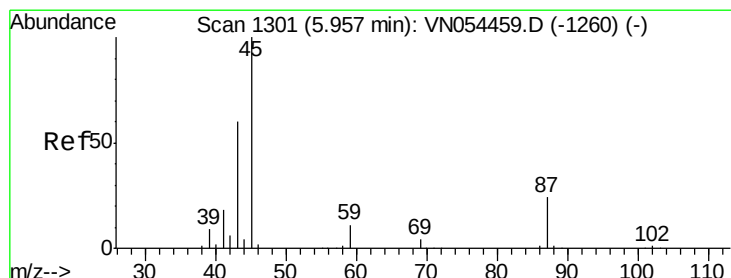
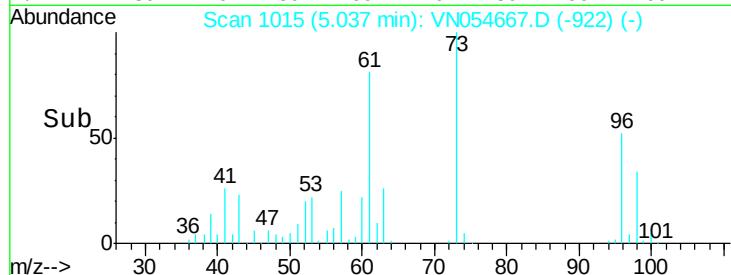
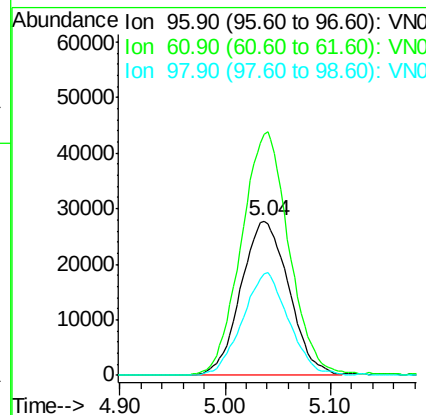
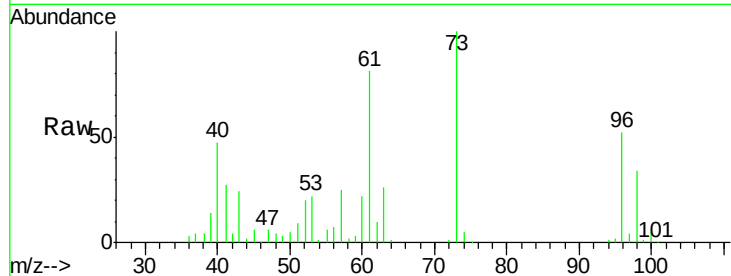
VN0325MBS01

Tot Ion: 96 Resp: 87695

Ion	Ratio	Lower	Upper
96	100		
61	155.0	102.8	154.2#
98	65.5	50.0	75.0

Manual Integrations
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3/26/2019 12:32:57 PM



#22

Diisopropyl ether

Concen: 23.920 ug/l

RT: 5.96 min Scan# 1302

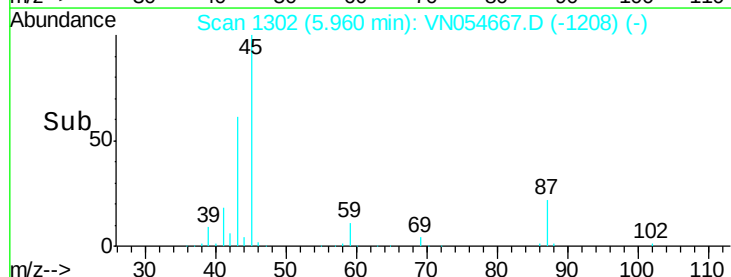
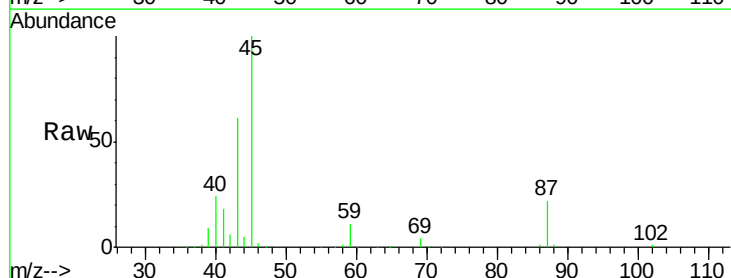
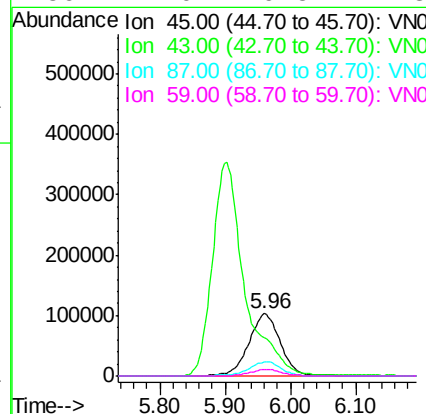
Delta R.T. 0.00 min

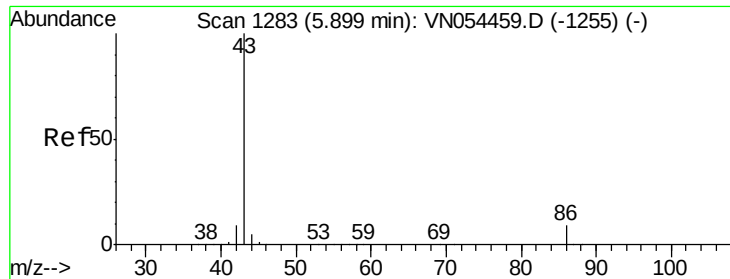
Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 45 Resp: 346298

Ion	Ratio	Lower	Upper
45	100		
43	59.7	48.2	72.2
87	22.1	24.9	37.3#
59	11.0	9.5	14.3





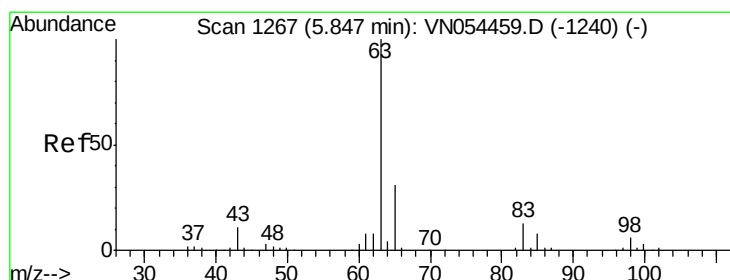
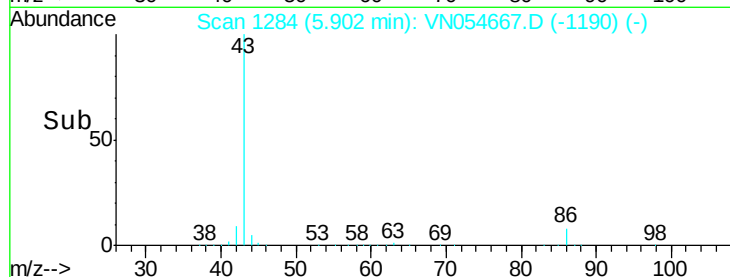
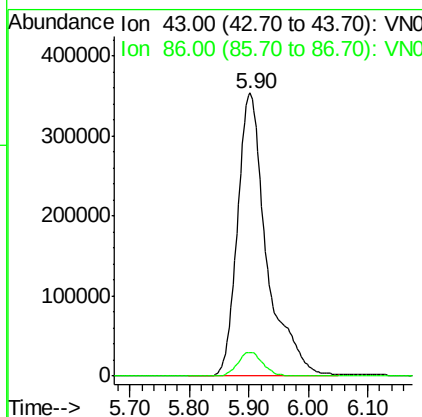
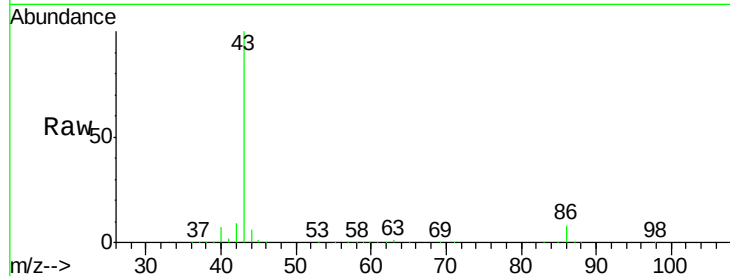
#23
 Vinyl Acetate
 Concen: 118.383 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion: 43 Resp: 1210439
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#

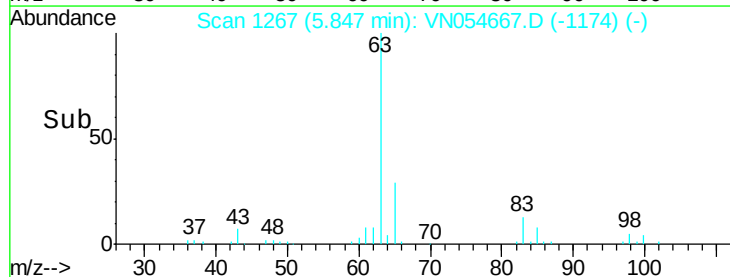
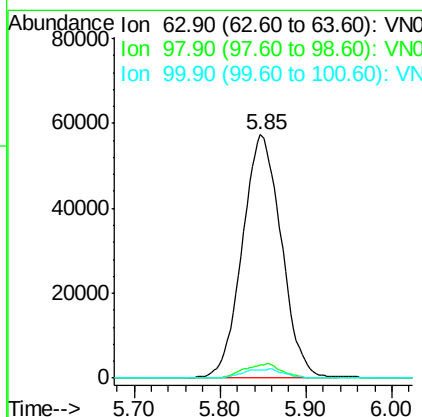
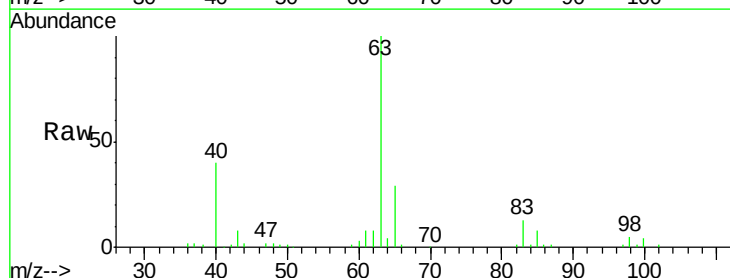
Manual Integrations
 APPROVED

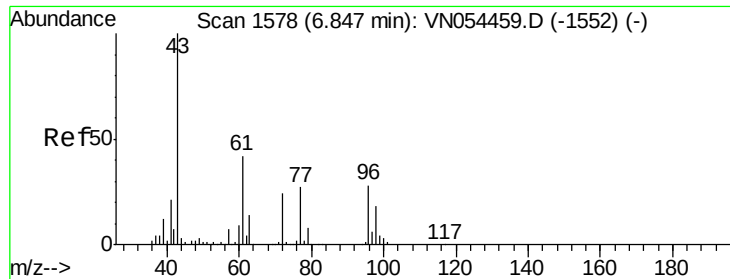
MMDadoda
 3/26/2019 12:32:57 PM



#24
 1,1-Dichloroethane
 Concen: 23.180 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 63 Resp: 180691
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.5 10.5
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 119.551 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 43 Resp: 231428

Ion Ratio Lower Upper

43 100

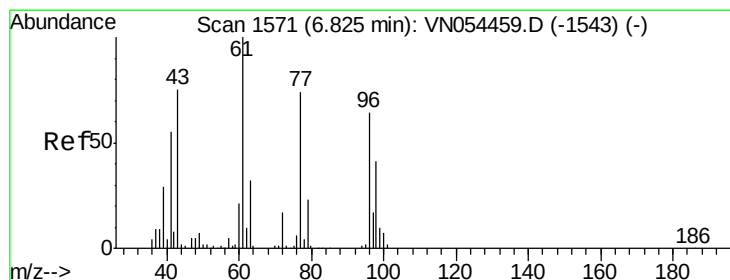
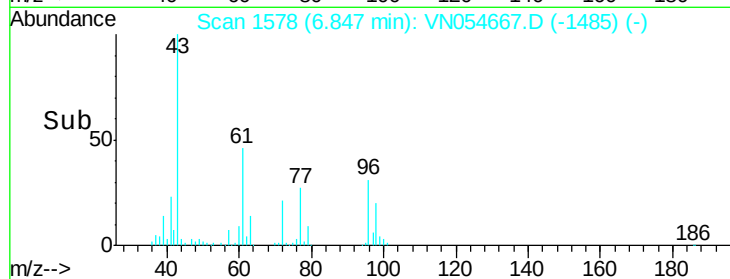
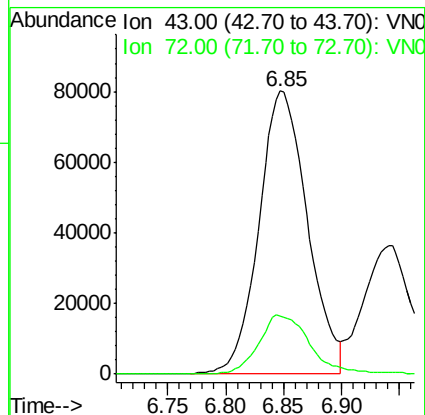
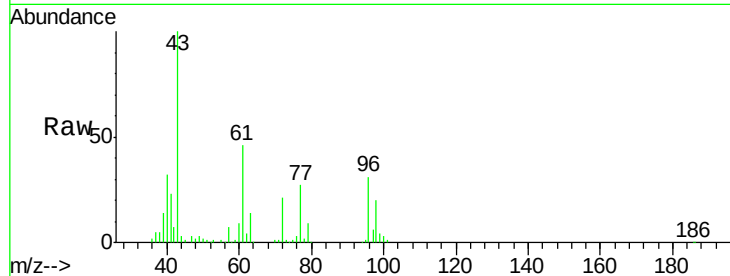
72 20.8 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.596 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054667.D

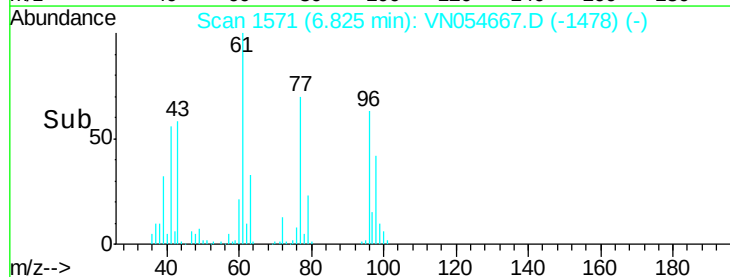
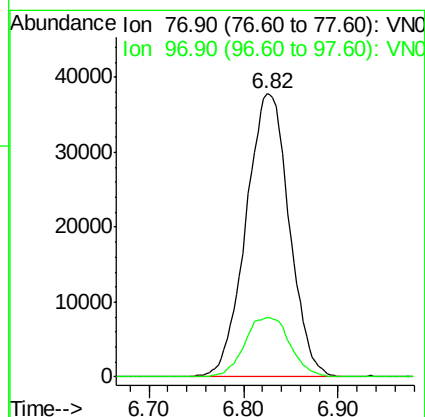
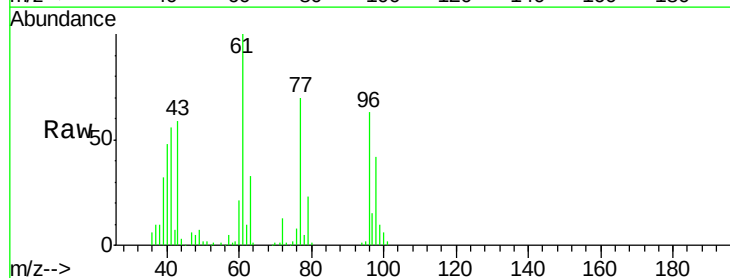
Acq: 25 Mar 2019 12:48

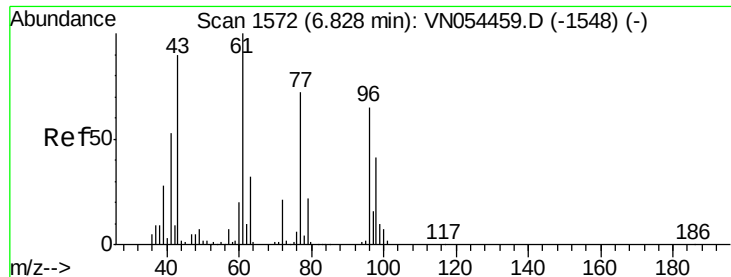
Tgt Ion: 77 Resp: 119999

Ion Ratio Lower Upper

77 100

97 22.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.000 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

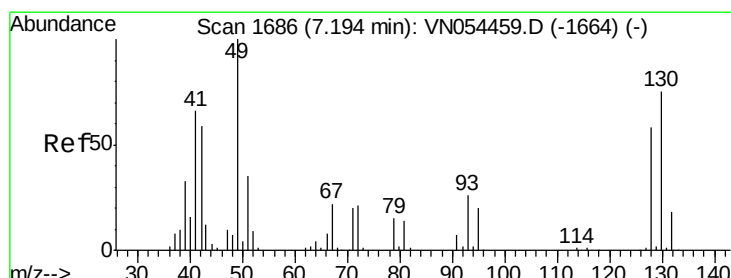
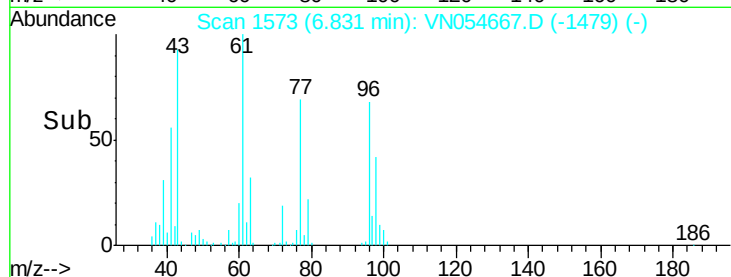
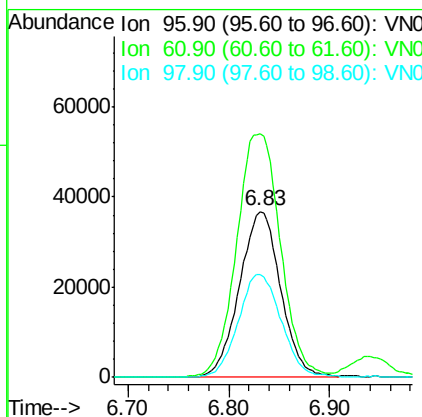
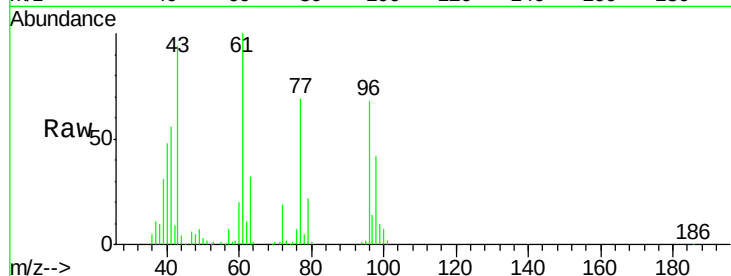
ClientSampleId :

VN0325MBS01

Tot Ion:	96	Resp:	104438
Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	273.0
98	64.9	0.0	130.6

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#28

Bromochloromethane

Concen: 24.735 ug/l

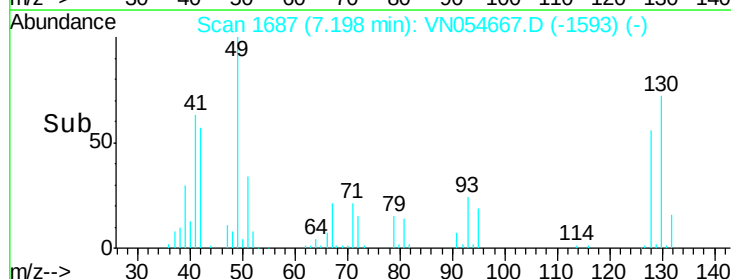
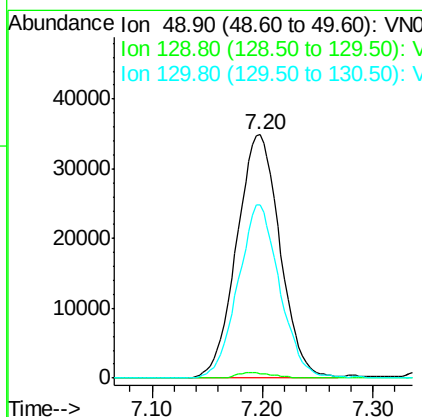
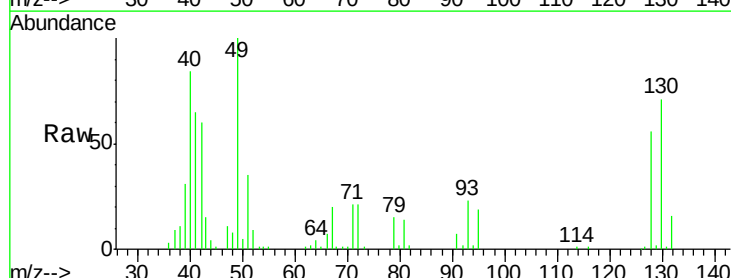
RT: 7.20 min Scan# 1687

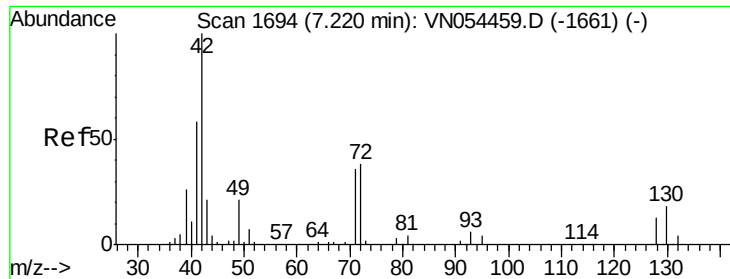
Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	49	Resp:	94905
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	68.4	76.7	115.1#





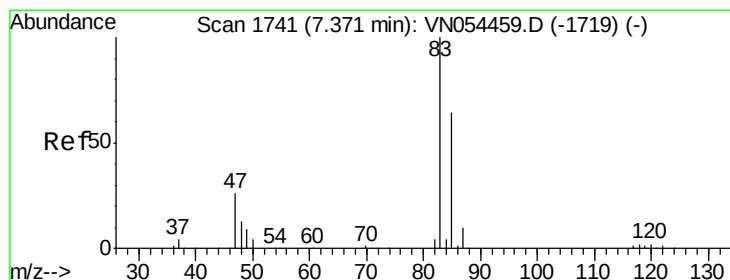
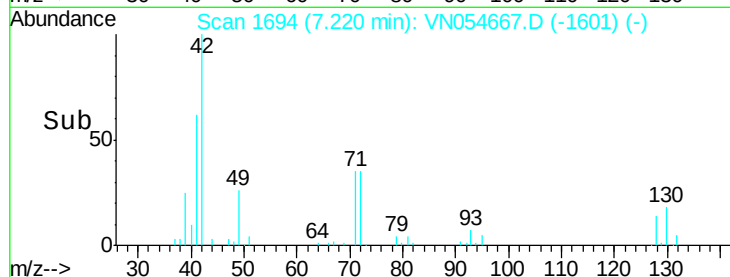
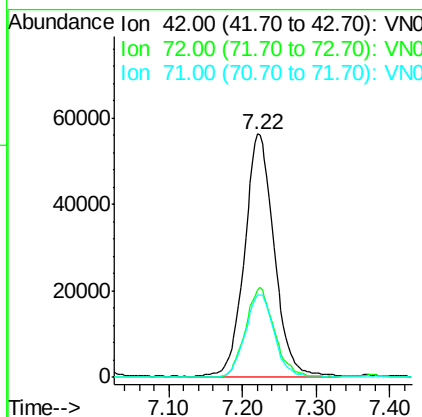
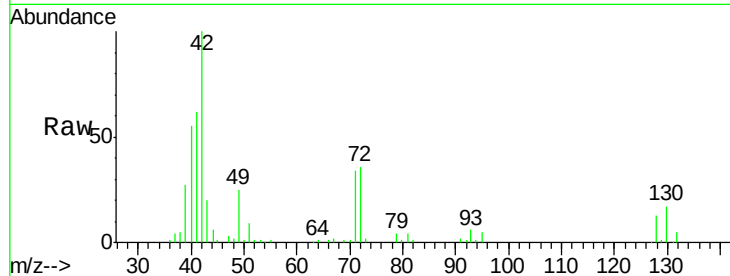
#29
Tetrahydrofuran
Concen: 125.060 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	37.8	56.6#
71	33.6	36.2	54.2#

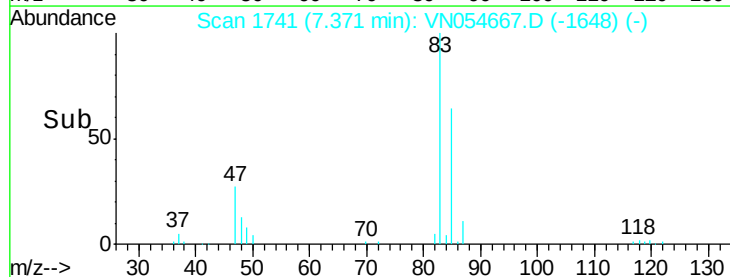
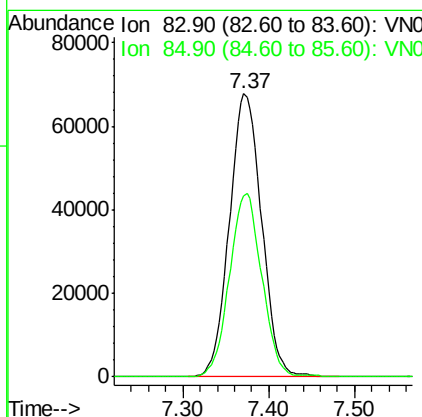
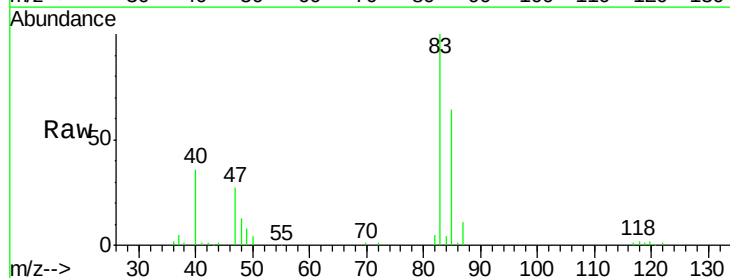
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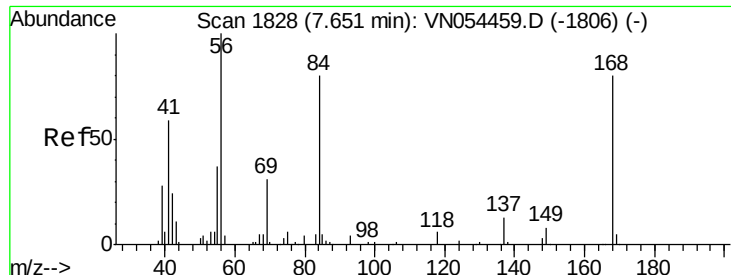
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#30
Chloroform
Concen: 23.218 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





#31

Cyclohexane

Concen: 22.530 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 56 Resp: 175903

Ion Ratio Lower Upper

56 100

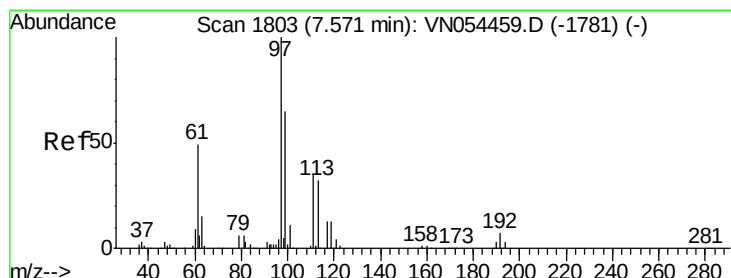
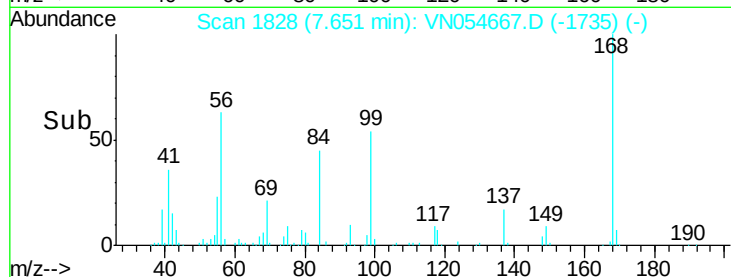
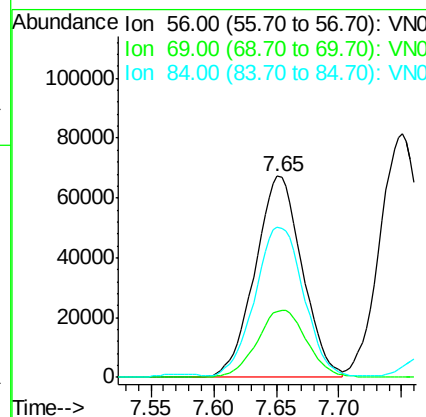
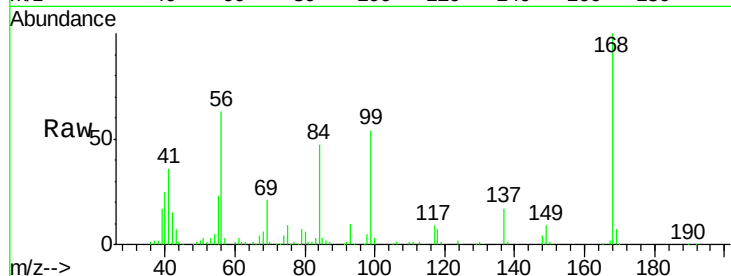
69 32.7 27.8 41.6

84 73.4 74.6 111.8#

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#32

1,1,1-Trichloroethane

Concen: 22.015 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

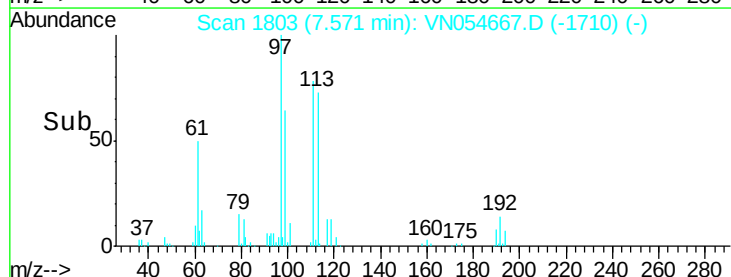
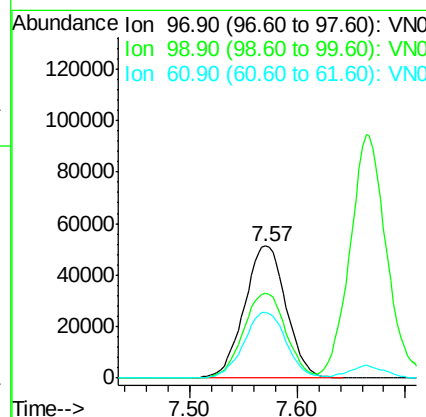
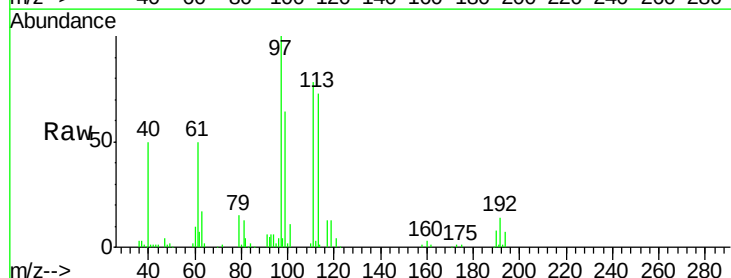
Tgt Ion: 97 Resp: 138164

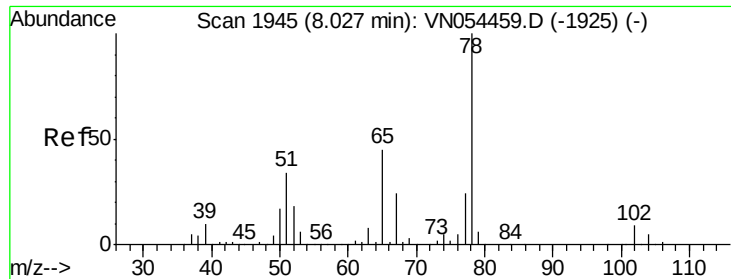
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 50.4 33.6 50.4





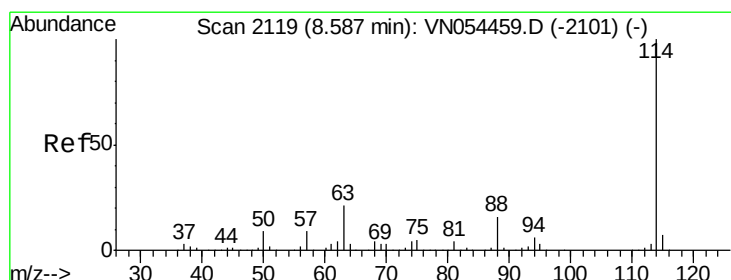
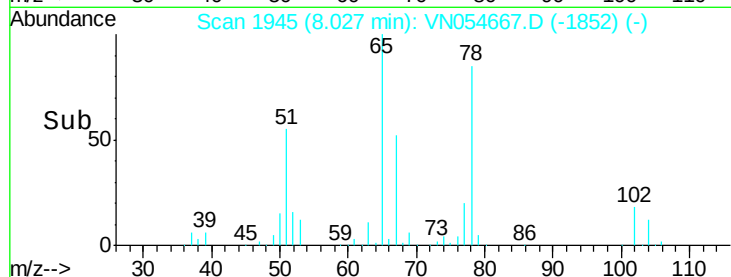
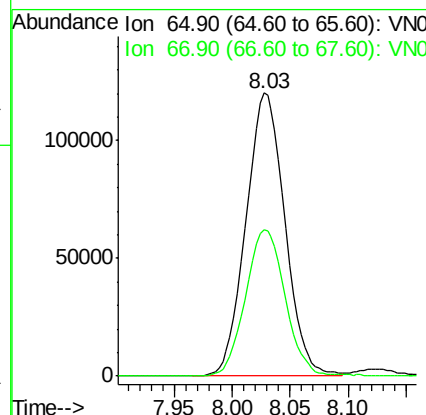
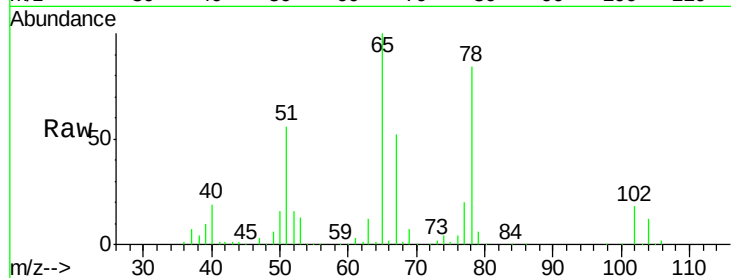
#33
 1,2-Dichloroethane-d4
 Concen: 56.024 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0325MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281595		
67	52.5	0.0	104.6	

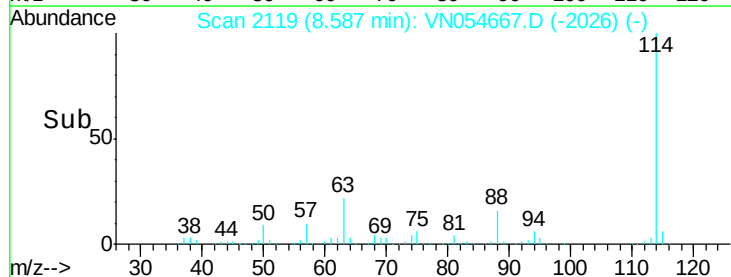
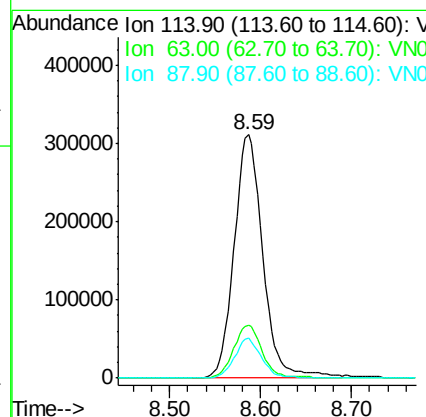
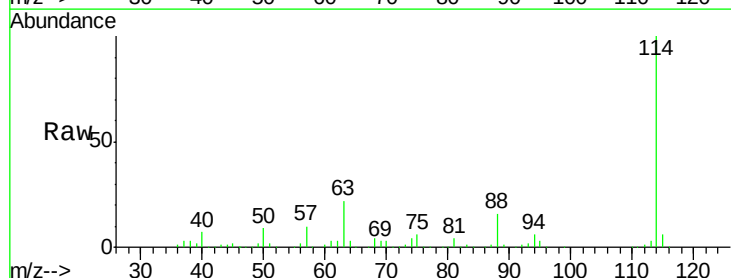
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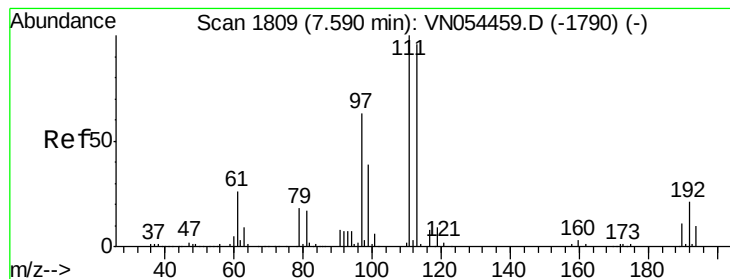
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682309		
63	22.0	0.0	35.2	
88	16.2	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.364 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

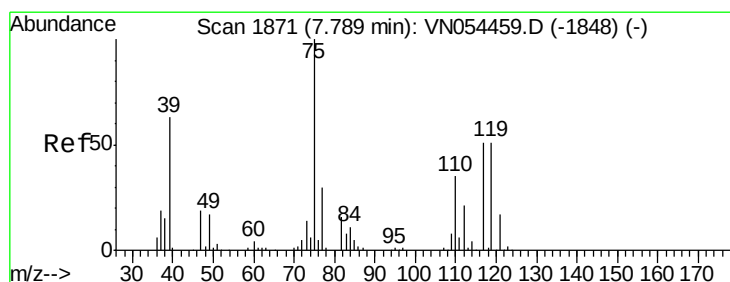
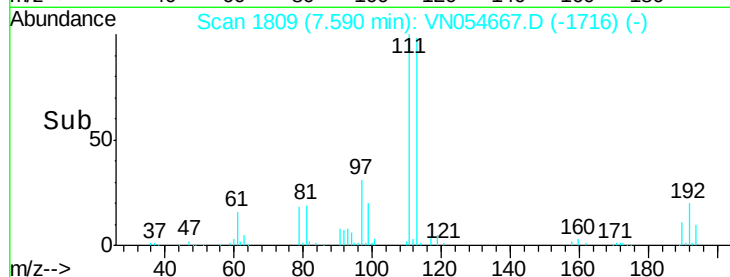
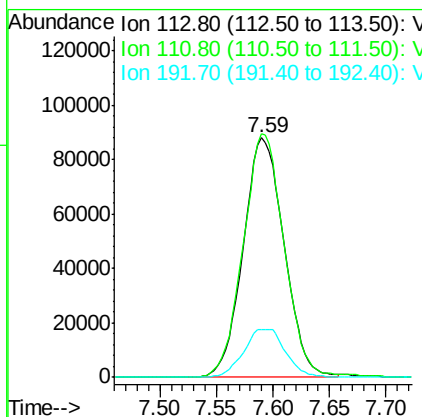
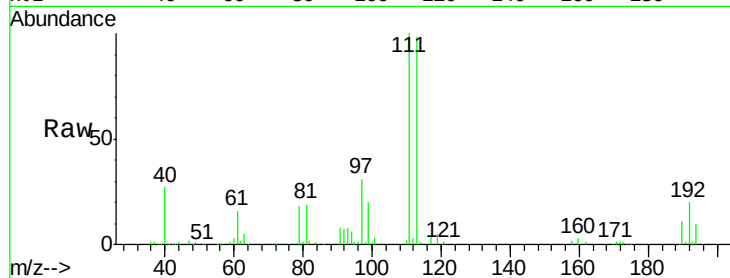
ClientSampleId :

VN0325MBS01

Tot Ion:	113	Resp:	221389
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.6	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 20.414 ug/l

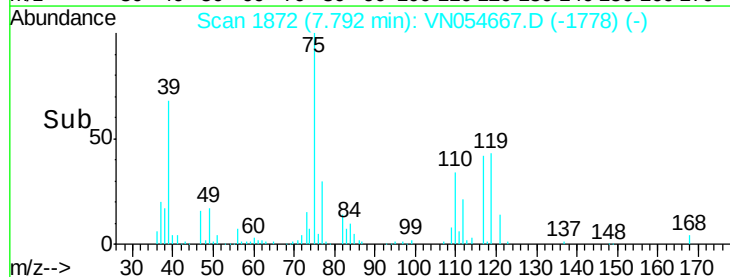
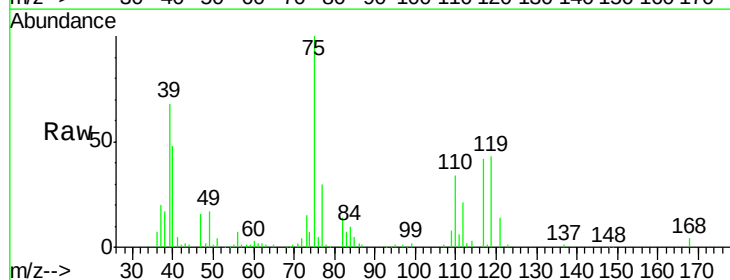
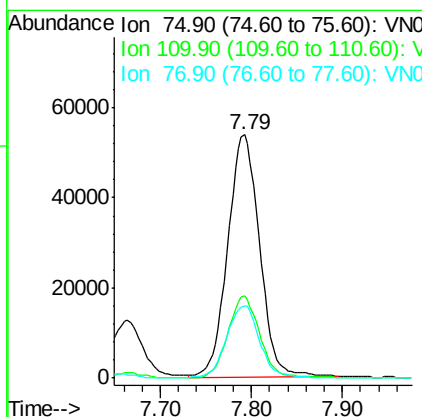
RT: 7.79 min Scan# 1872

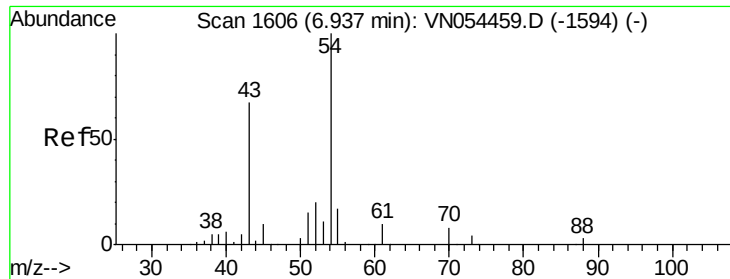
Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	75	Resp:	130232
Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.5
77	31.4	25.0	37.4





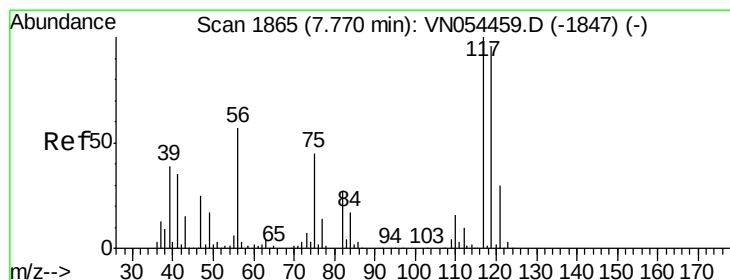
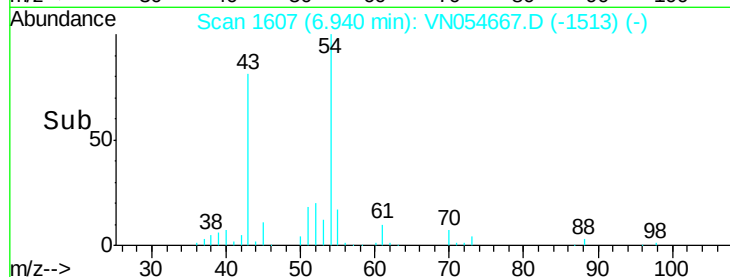
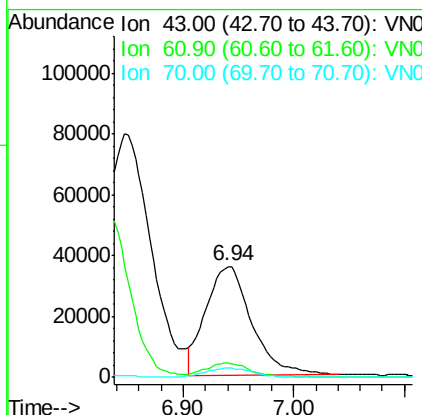
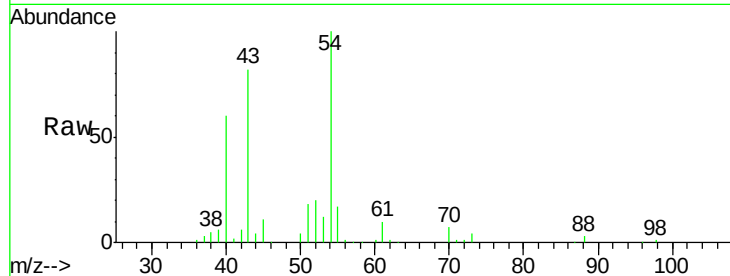
#37
Ethyl Acetate
Concen: 22.637 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

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

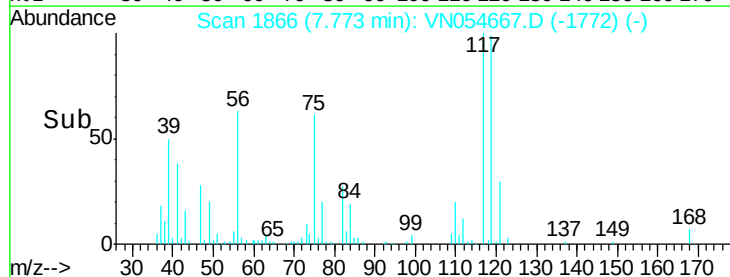
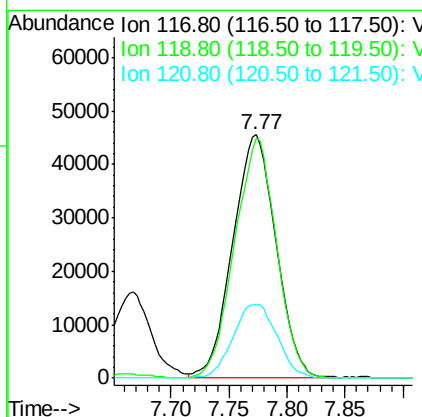
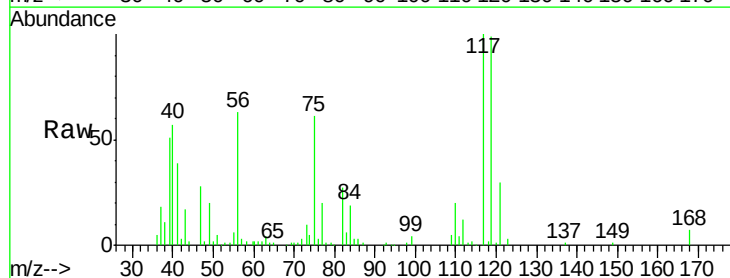
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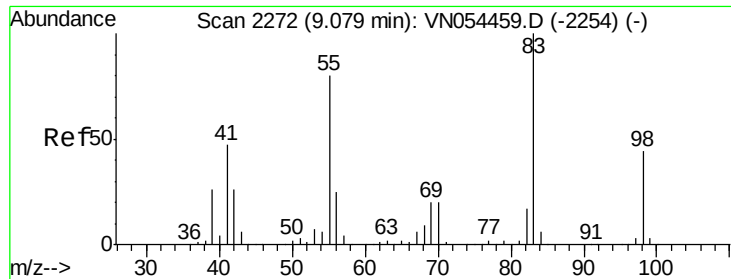
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#38
Carbon Tetrachloride
Concen: 18.893 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.3	114.5
121	30.2	24.6	36.8





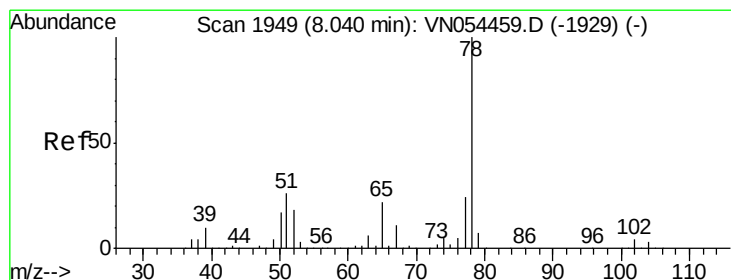
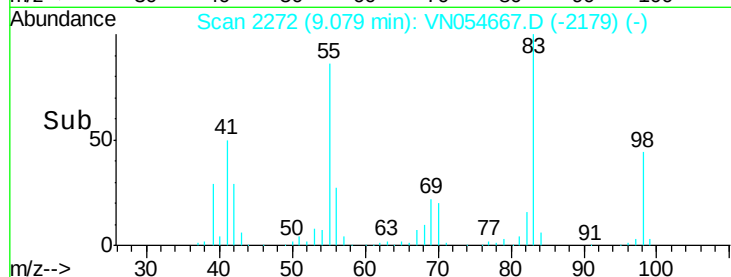
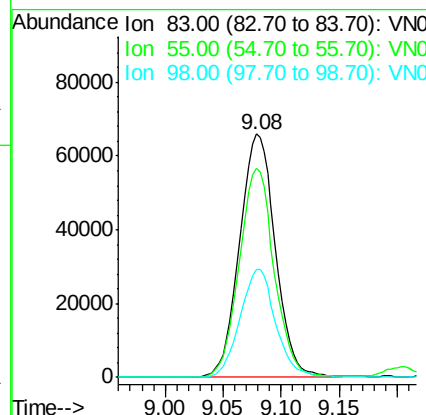
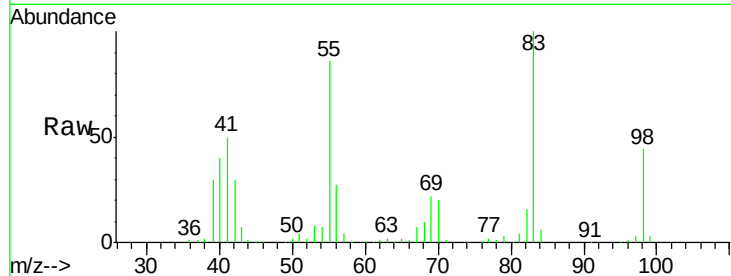
#39
Methylvlcyclohexane
Concen: 19.330 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion	83.00	Resp	141066
Ion Ratio	Lower	Upper	
83	100		
55	85.7	56.6	84.8#
98	44.1	38.4	57.6

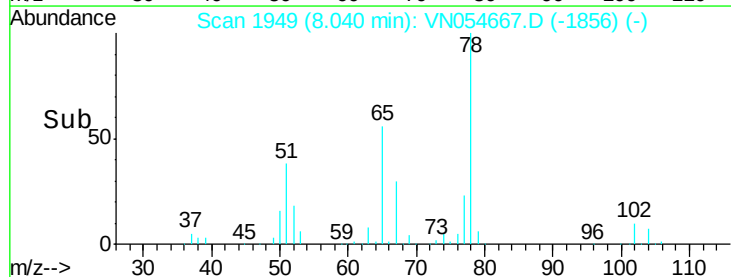
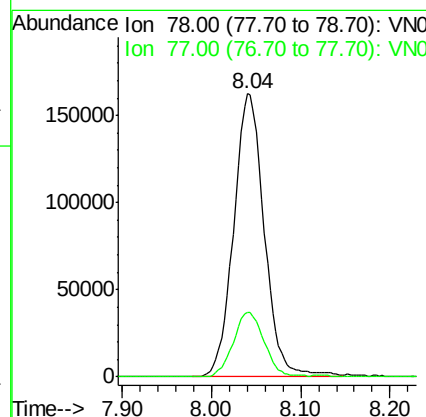
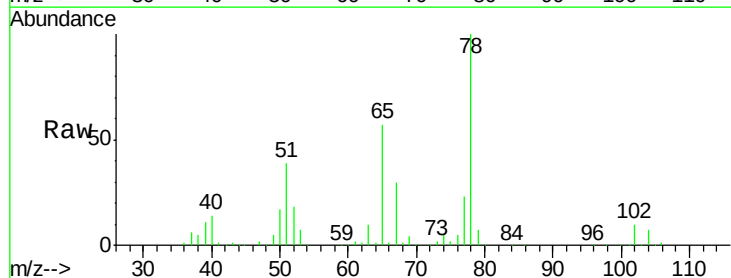
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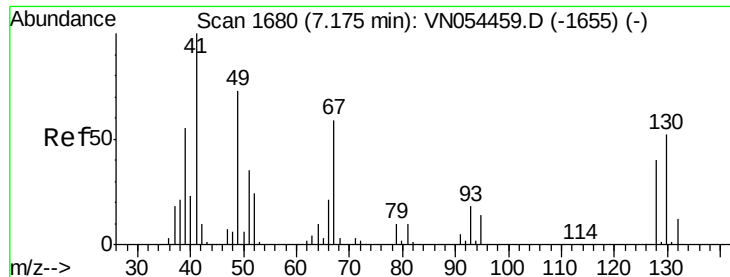
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#40
Benzene
Concen: 21.204 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	78.00	Resp	386827
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.1	28.7





#41

Methacrylonitrile

Concen: 21.824 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

Tot Ion: 41 Resp: 60390

Ion Ratio Lower Upper

41 100

39 60.2 46.8 70.2

67 67.0 67.0 100.4

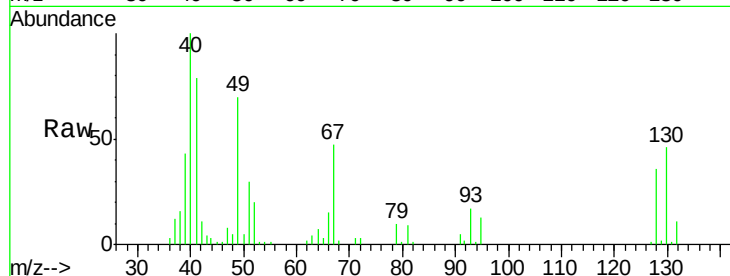
52 31.2 26.5 39.7

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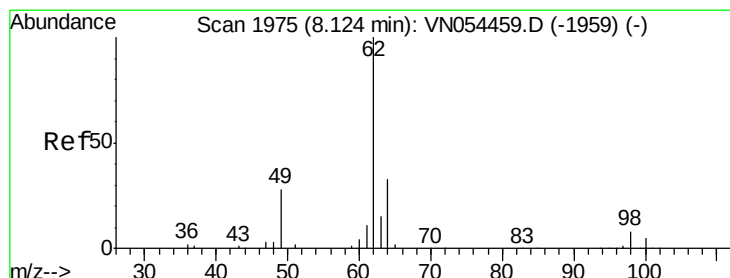
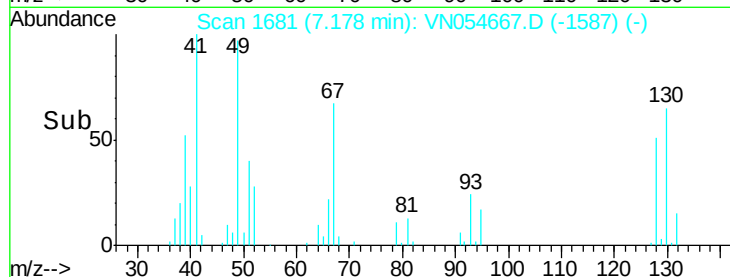
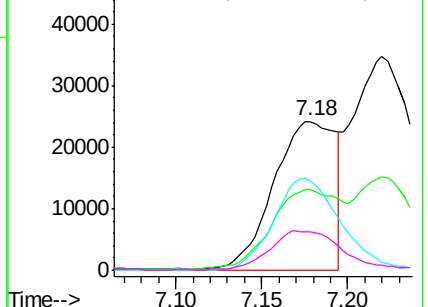


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.063 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054667.D

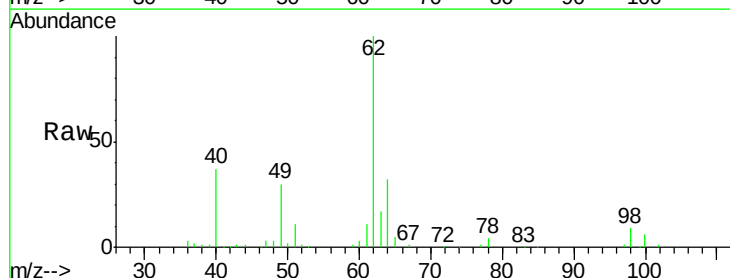
Acq: 25 Mar 2019 12:48

Tgt Ion: 62 Resp: 139938

Ion Ratio Lower Upper

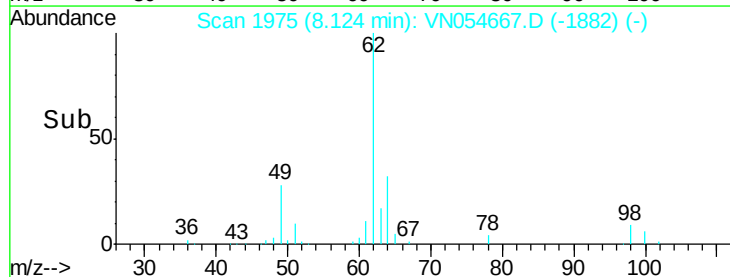
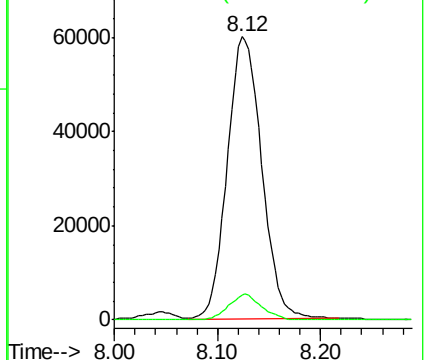
62 100

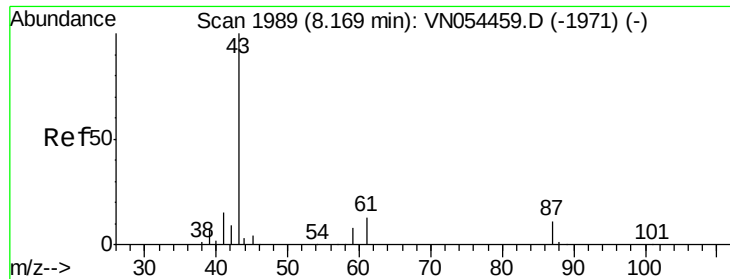
98 8.6 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 22.252 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

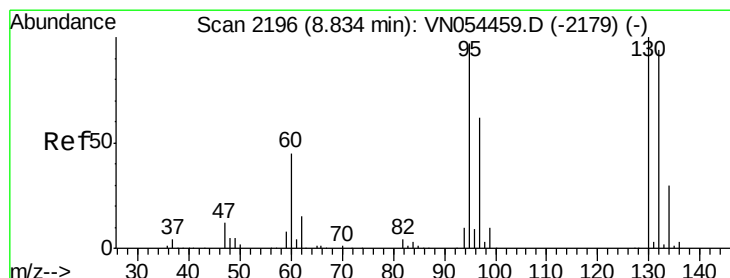
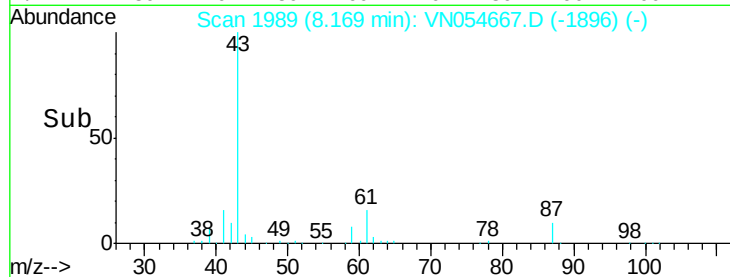
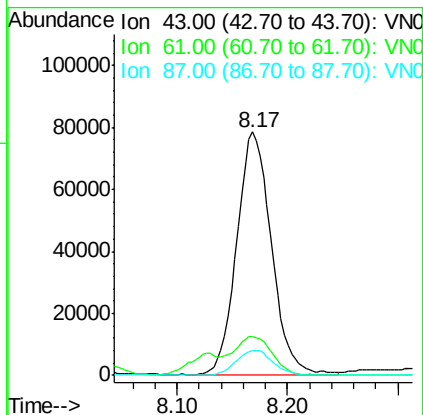
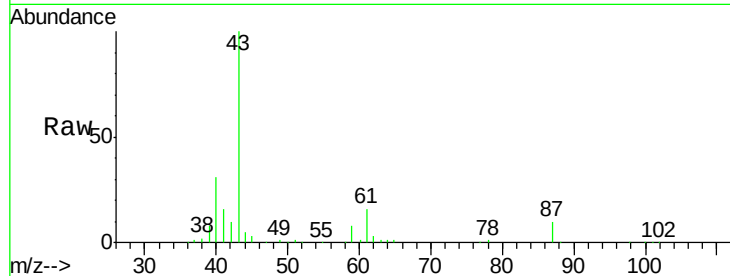
ClientSampleId :

VN0325MBS01

Tot Ion:	43	Resp:	170517
Ion	Ratio	Lower	Upper
43	100		
61	16.1	15.8	23.8
87	10.9	12.0	18.0#

Manual Integrations
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MMDadoda
3/26/2019 12:32:57 PM



#44

Trichloroethene

Concen: 20.323 ug/l

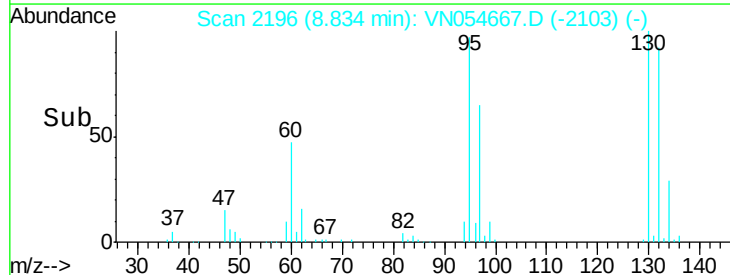
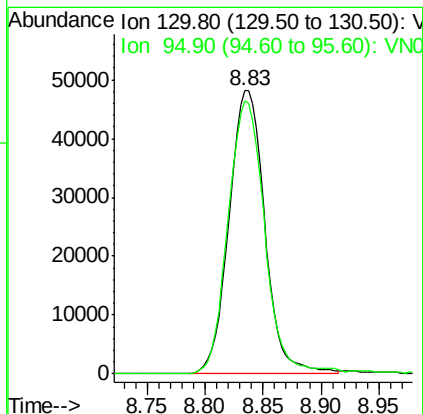
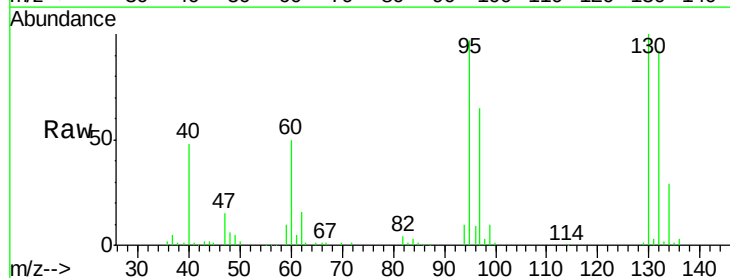
RT: 8.83 min Scan# 2196

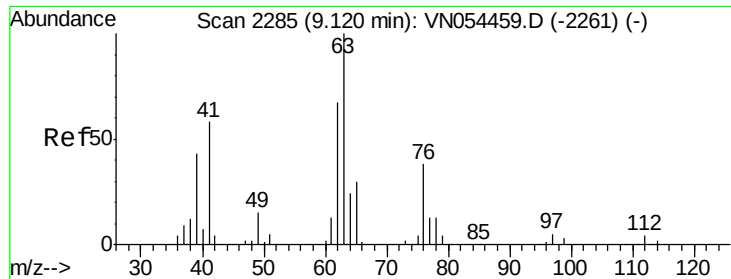
Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	130	Resp:	103074
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	185.2





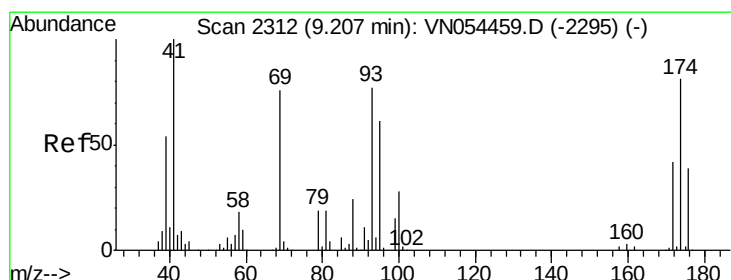
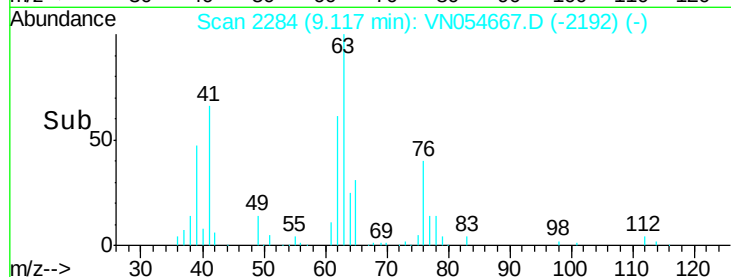
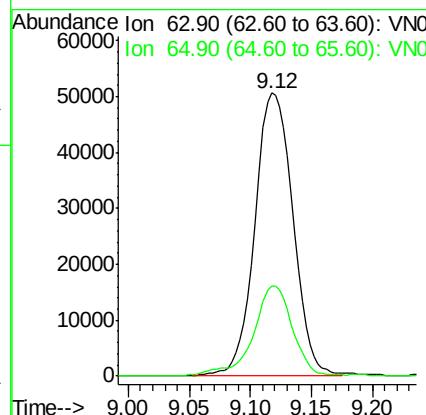
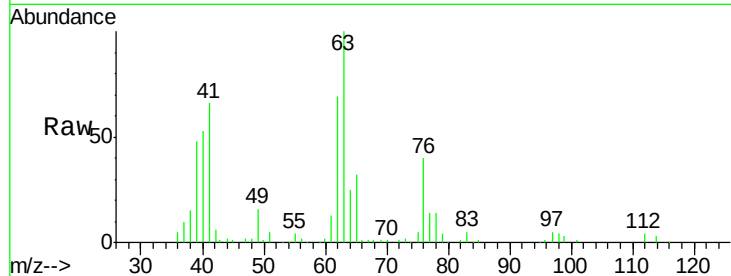
#45
 1,2-Dichloropropane
 Concen: 22.367 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6

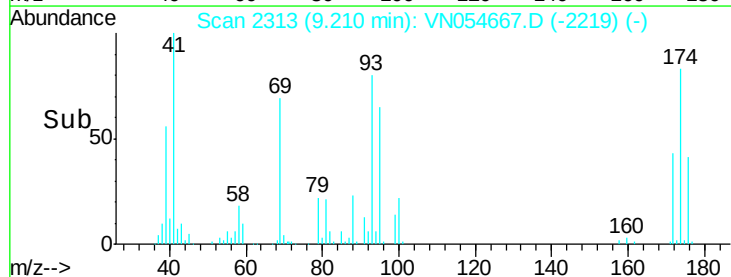
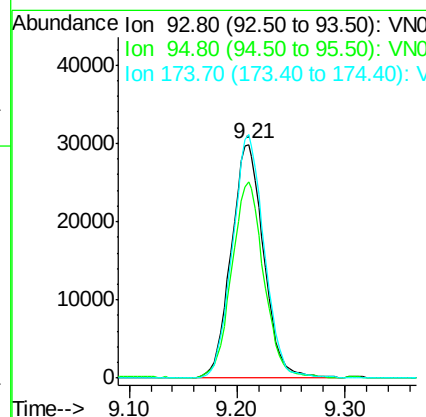
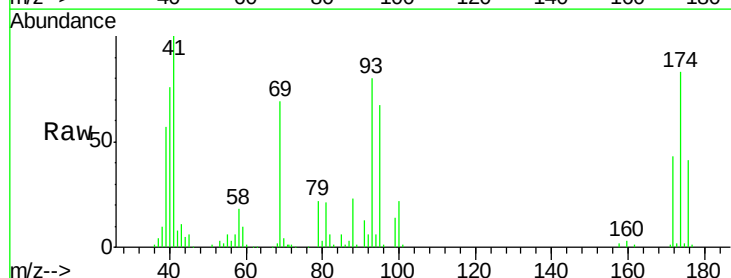
Manual Integrations
 APPROVED

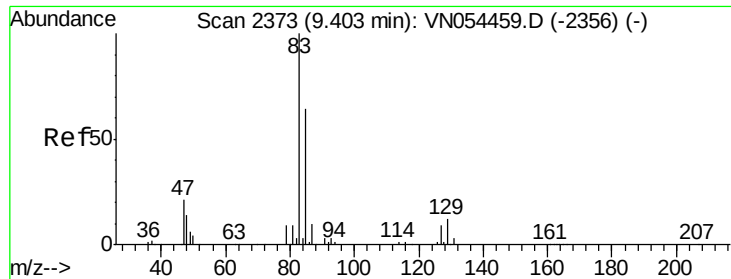
MMDadoda
 3/26/2019 12:32:57 PM



#46
 Dibromomethane
 Concen: 21.494 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	101.3	98.5	147.7





#47

Bromodichloromethane

Concen: 20.730 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

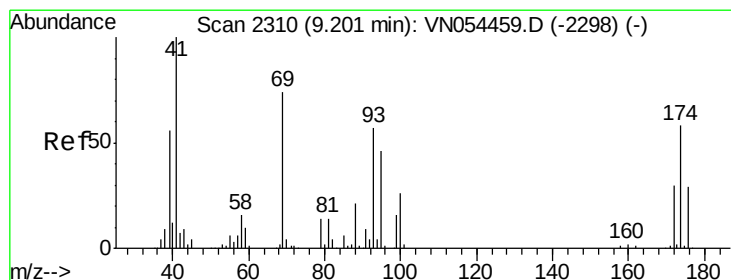
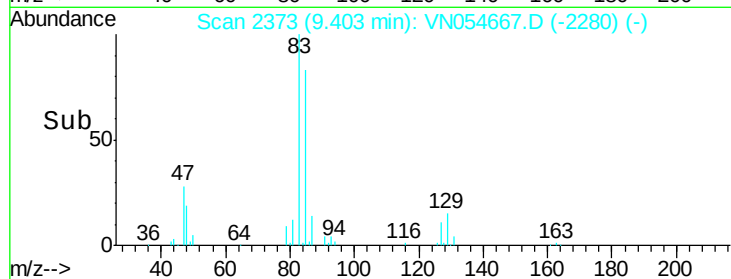
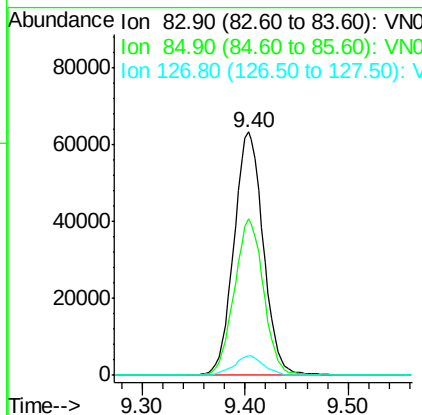
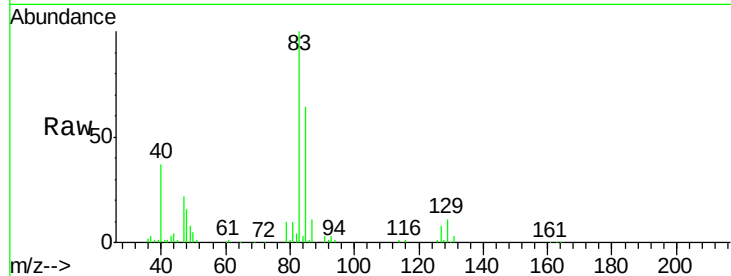
ClientSampleId :

VN0325MBS01

Tot Ion:	83	Resp:	125728
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2
127	8.1	7.4	11.2

Manual Integrations
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MMDadoda
3/26/2019 12:32:57 PM



#48

Methyl methacrylate

Concen: 20.956 ug/l

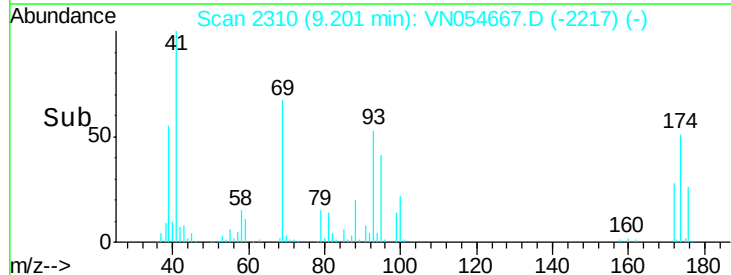
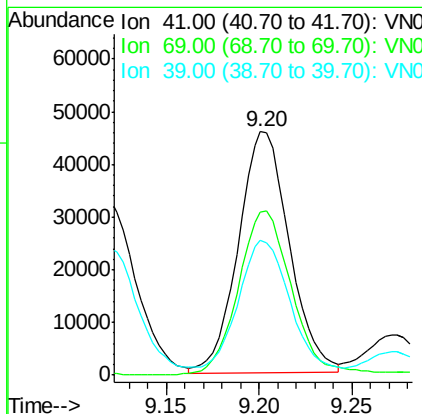
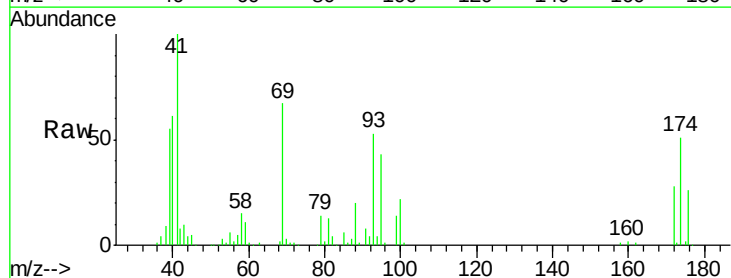
RT: 9.20 min Scan# 2310

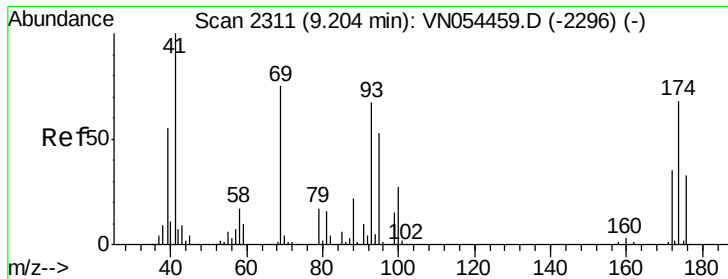
Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	41	Resp:	87159
Ion	Ratio	Lower	Upper
41	100		
69	73.5	72.6	108.8
39	56.6	47.5	71.3





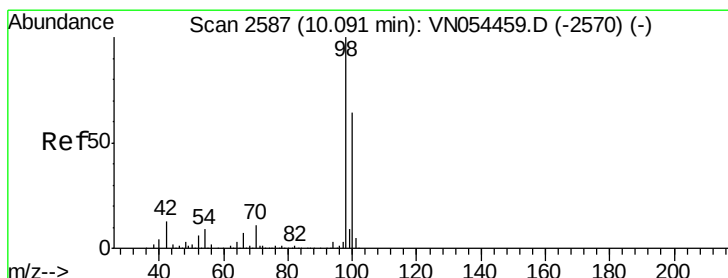
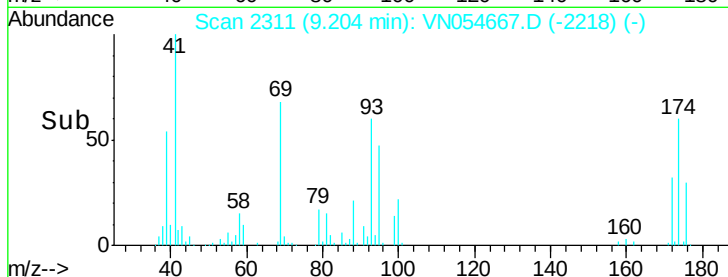
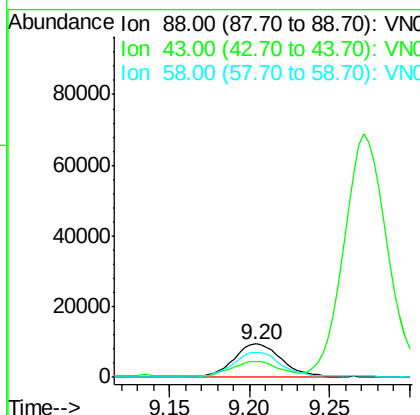
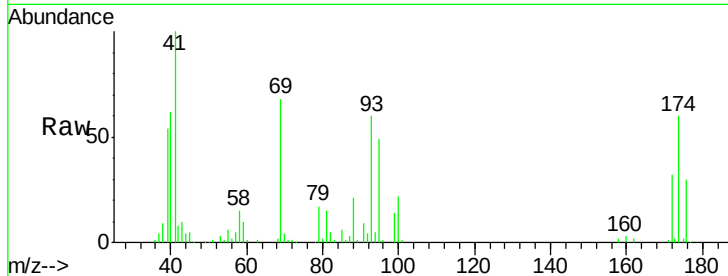
#49
1,4-Dioxane
Concen: 419.160 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion	88	Resp	19490
Ion Ratio	Lower	Upper	
88	100		
43	41.5	24.1	36.1#
58	76.6	50.8	76.2#

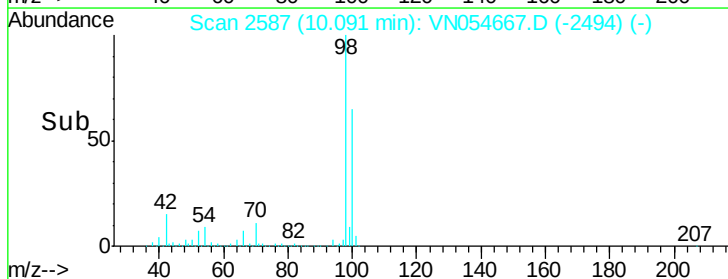
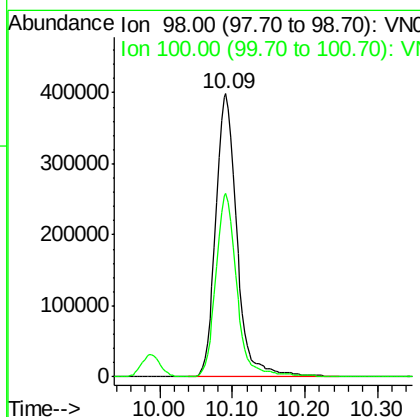
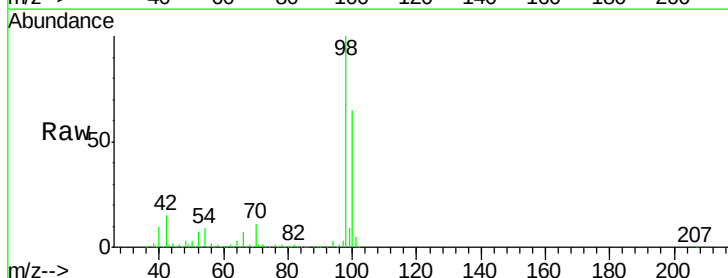
Manual Integrations
APPROVED

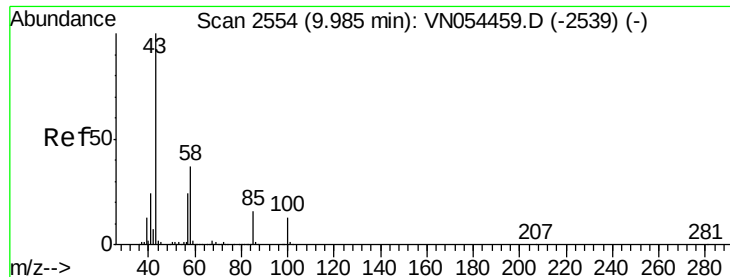
MMDadoda
3/26/2019 12:32:57 PM



#50
Toluene-d8
Concen: 49.098 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	98	Resp	811364
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 112.258 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

Tot Ion: 43 Resp: 476747

Ion Ratio Lower Upper

43 100

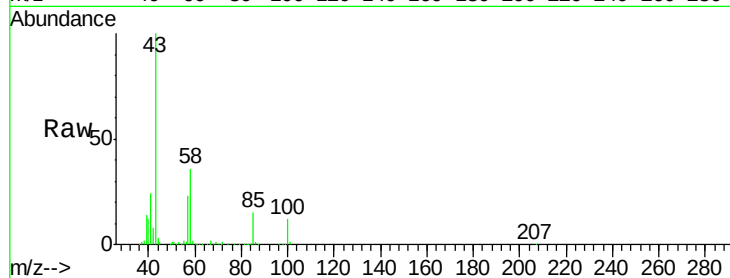
58 35.8 31.8 47.6

Manual Integrations

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3/26/2019 12:32:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

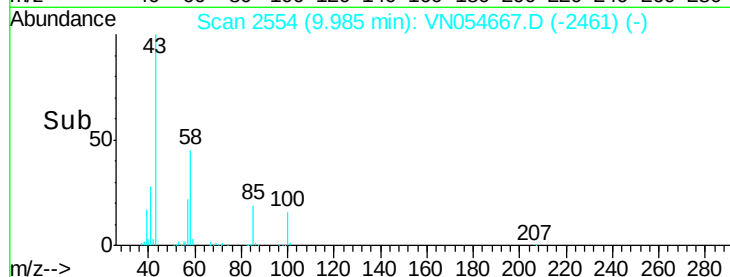
150000

100000

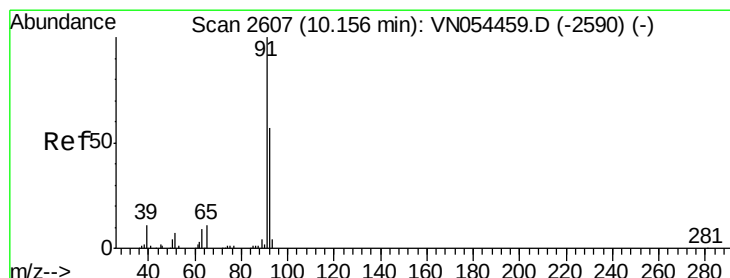
50000

0

Time-->



Time-->



#52

Toluene

Concen: 20.571 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054667.D

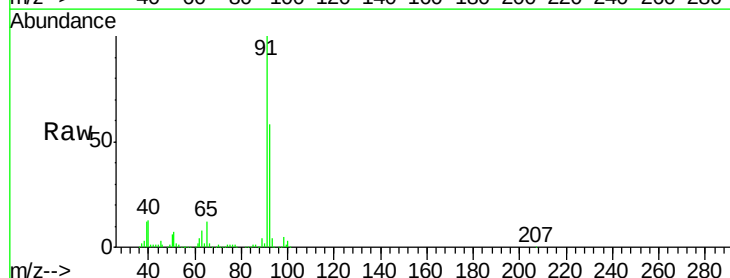
Acq: 25 Mar 2019 12:48

Tgt Ion: 92 Resp: 230818

Ion Ratio Lower Upper

92 100

91 174.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

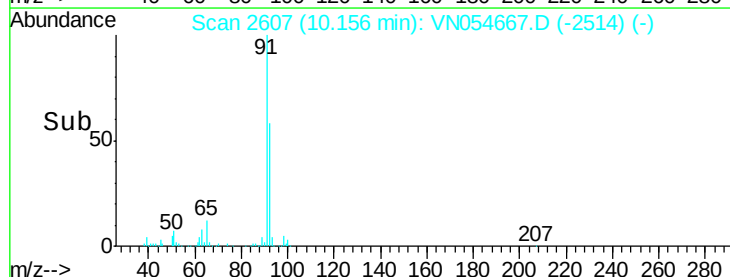
150000

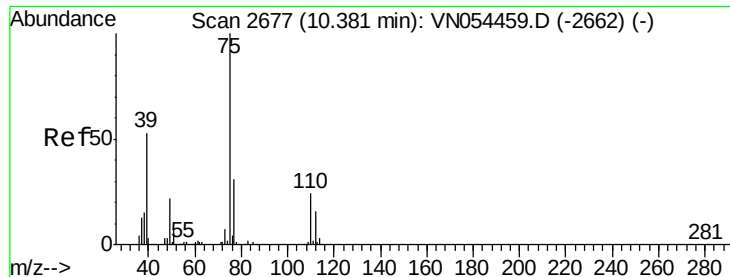
100000

50000

0

Time-->





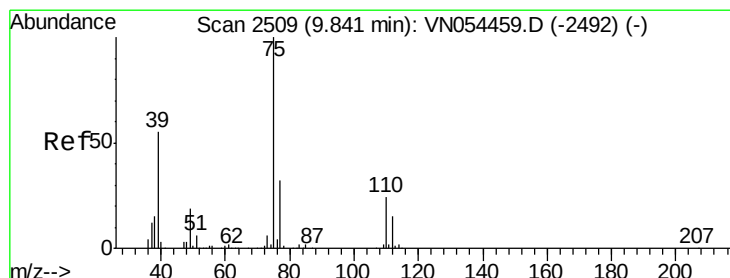
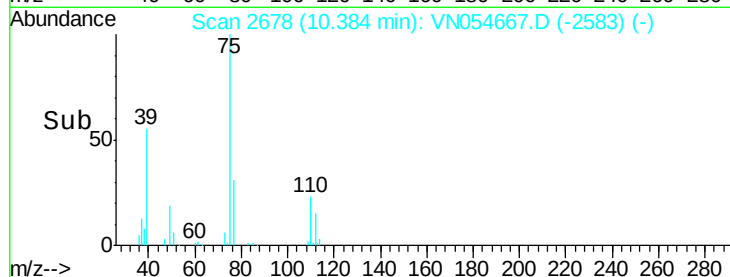
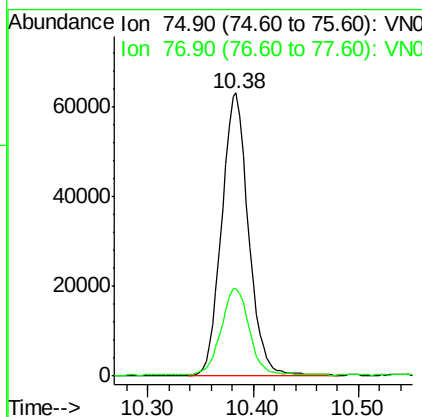
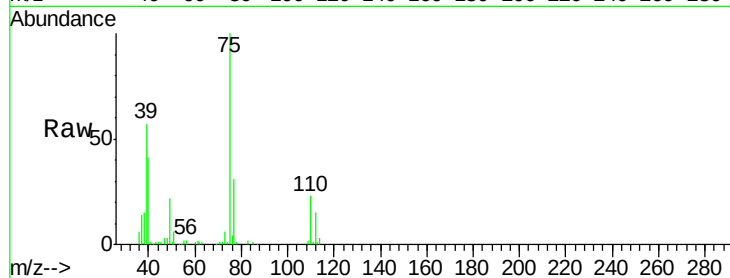
#53
t-1,3-Dichloropropene
Concen: 18.935 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.8

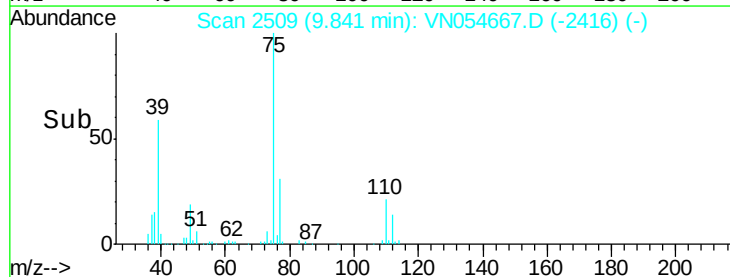
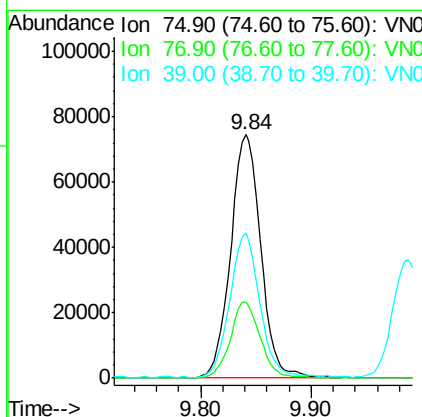
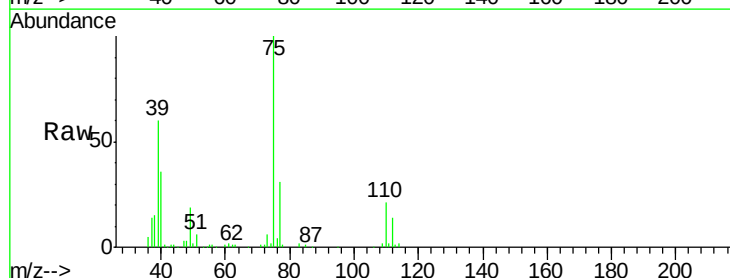
Manual Integrations
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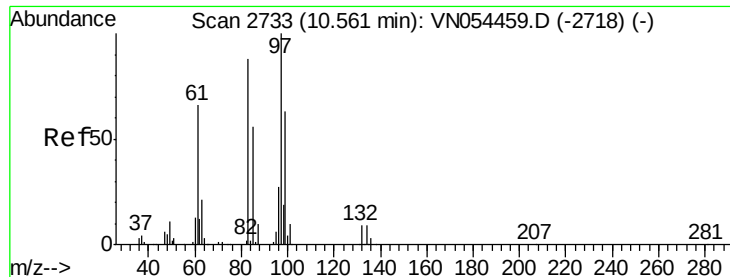
MMDadoda
3/26/2019 12:32:57 PM



#54
cis-1,3-Dichloropropene
Concen: 20.328 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	59.2	37.2	55.8#





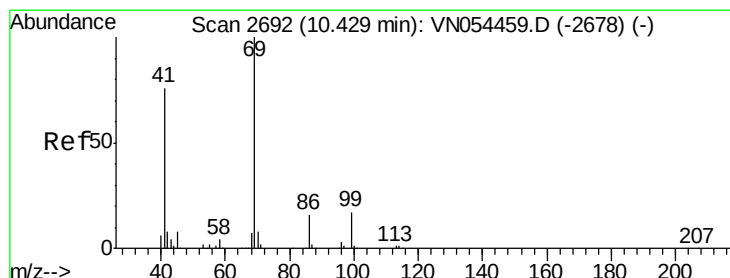
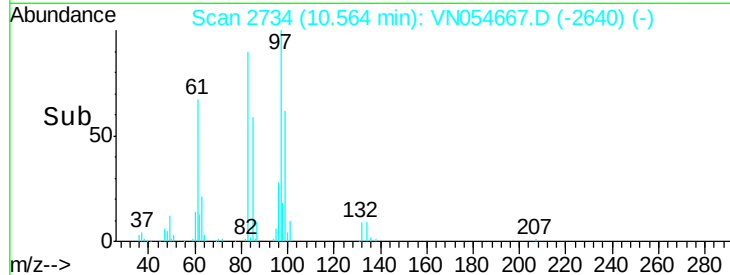
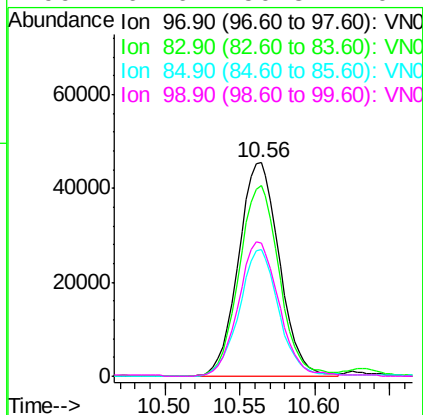
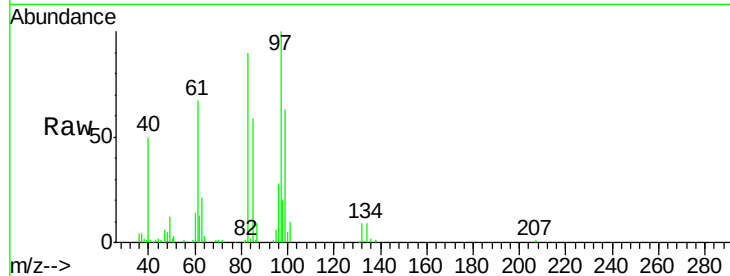
#55
 1,1,2-Trichloroethane
 Concen: 21.476 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion:	97	Resp:	86620
Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.6	100.0
85	59.1	44.4	66.6
99	62.6	50.8	76.2

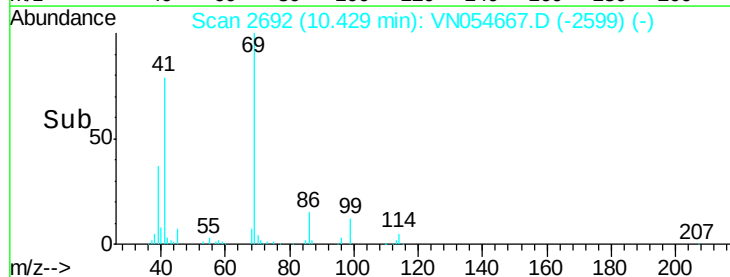
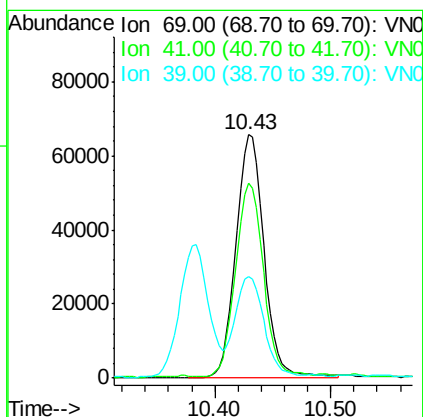
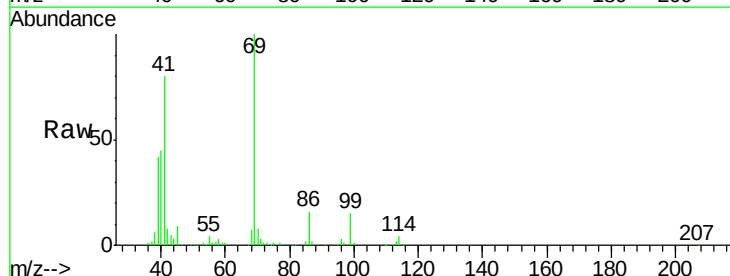
Manual Integrations
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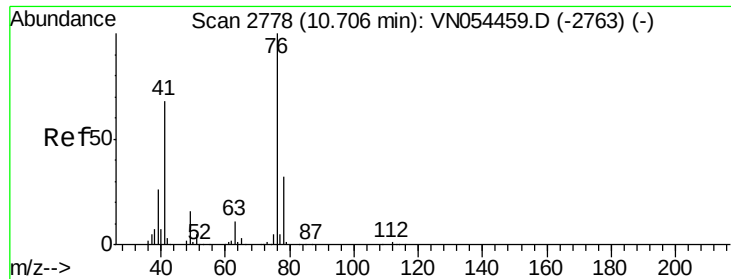
MMDadoda
 3/26/2019 12:32:57 PM



#56
 Ethyl methacrylate
 Concen: 20.504 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:	69	Resp:	110998
Ion	Ratio	Lower	Upper
69	100		
41	78.4	49.4	74.2#
39	41.5	28.3	42.5





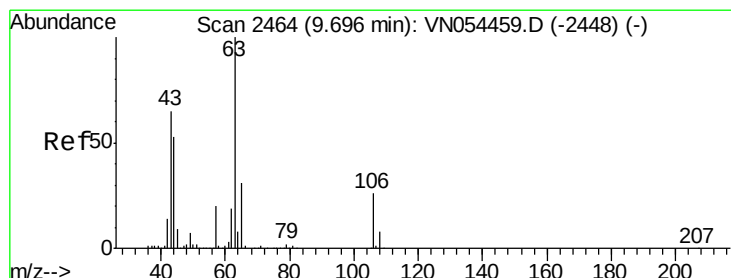
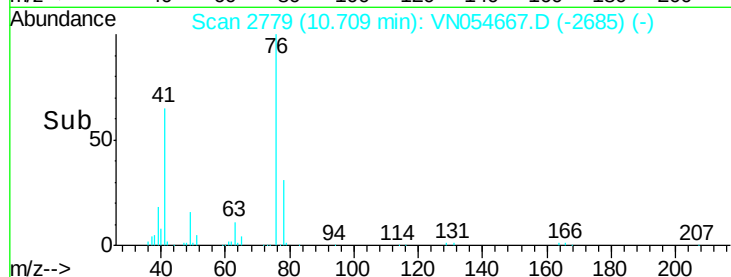
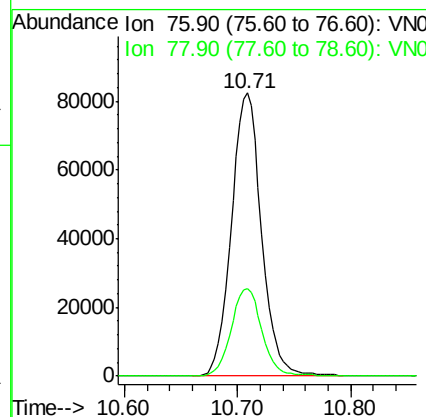
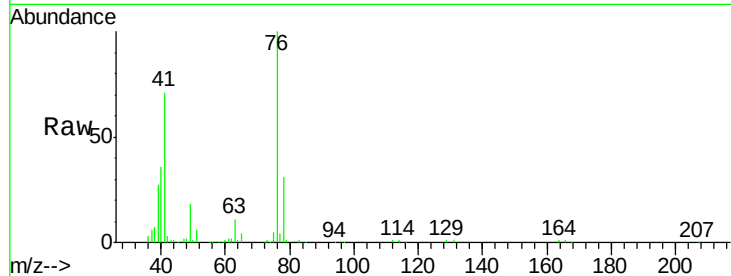
#57
 1,3-Dichloropropane
 Concen: 21.712 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

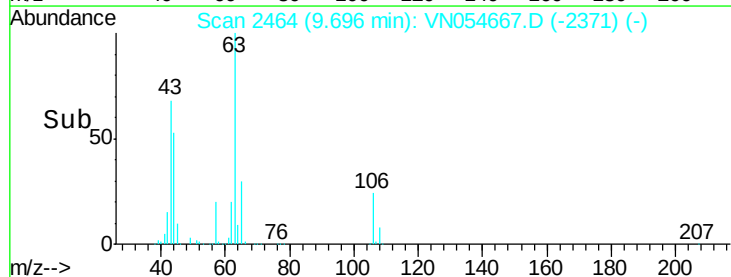
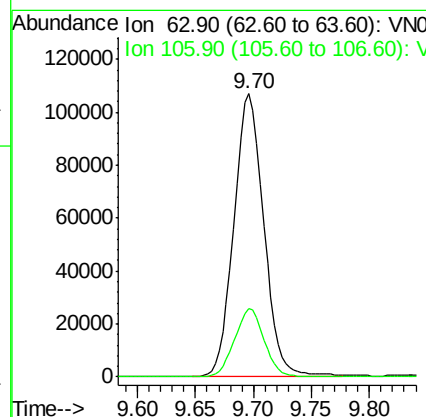
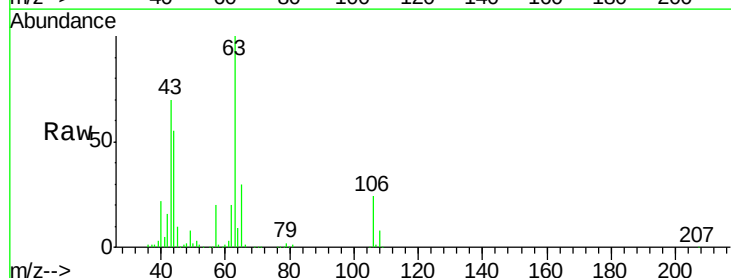
Manual Integrations
 APPROVED

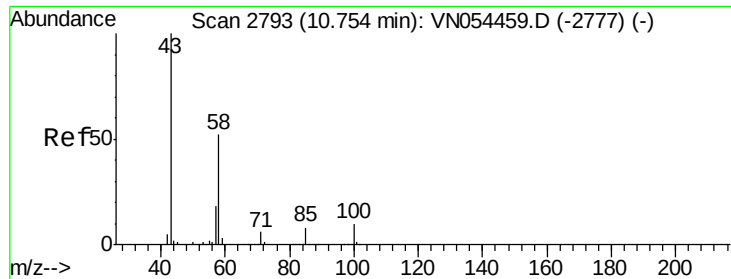
MMDadoda
 3/26/2019 12:32:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.737 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	24.4	36.6#





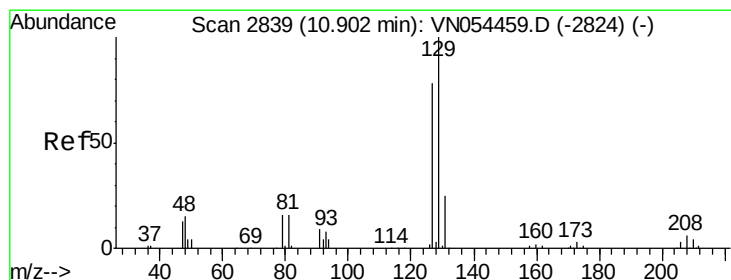
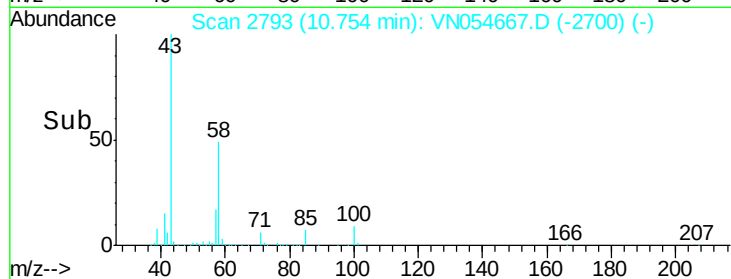
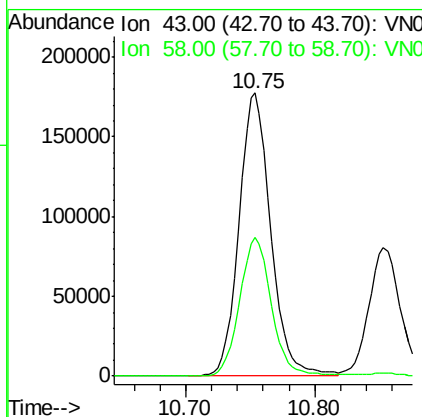
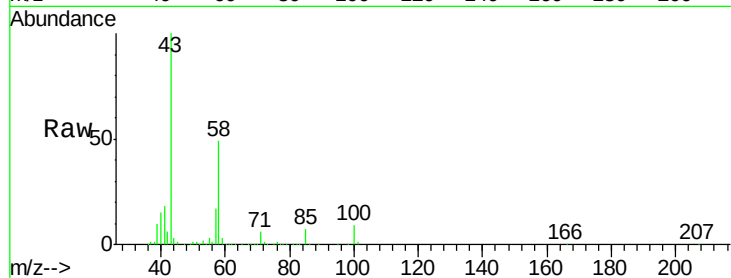
#59
2-Hexanone
Concen: 108.648 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion: 43 Resp: 301393
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9

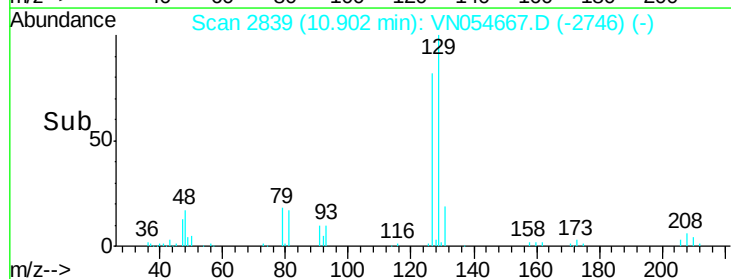
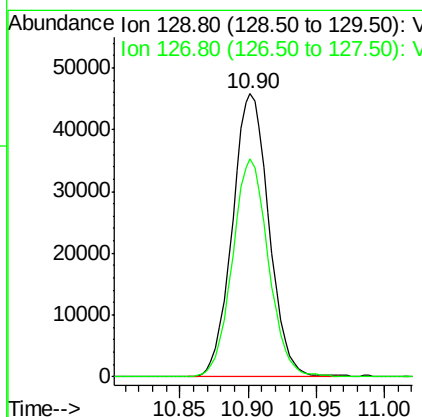
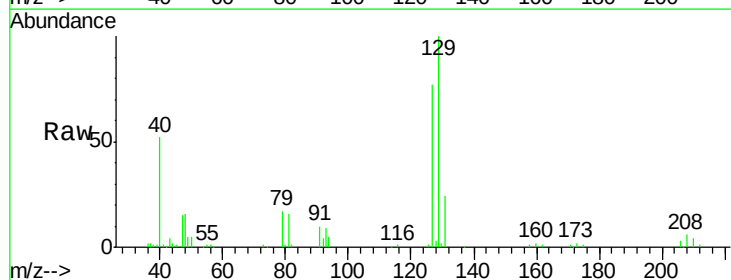
Manual Integrations
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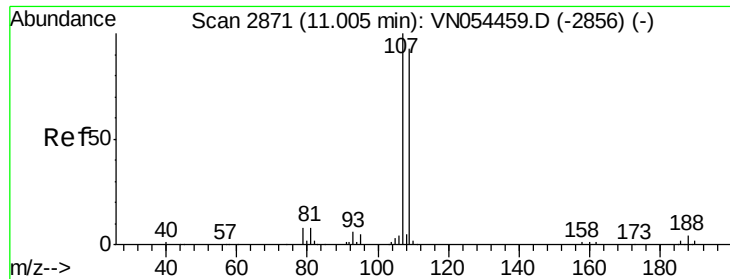
MMDadoda
3/26/2019 12:32:57 PM



#60
Dibromochloromethane
Concen: 19.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 129 Resp: 85070
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





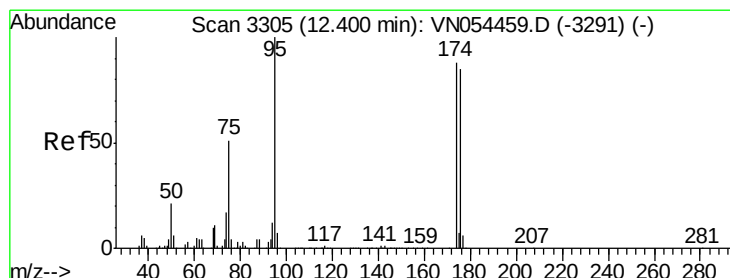
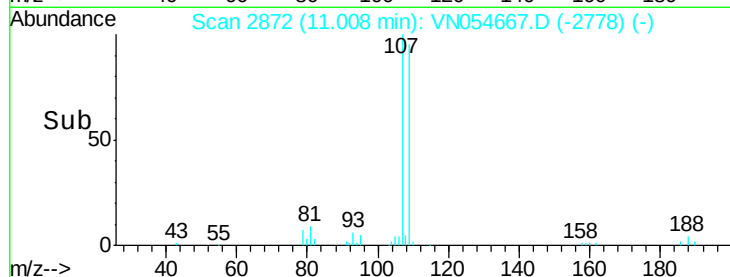
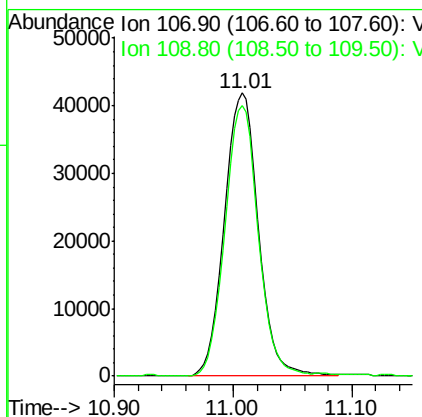
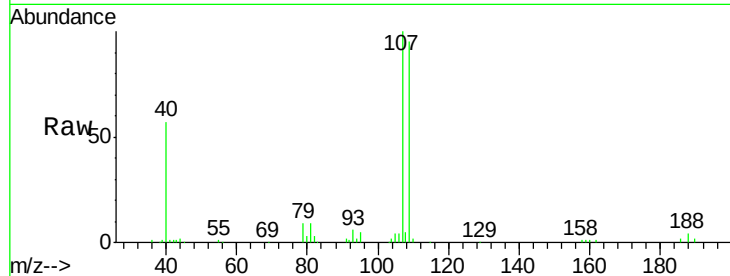
#61
 1,2-Dibromoethane
 Concen: 20.834 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion:107 Resp: 83071
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.9 113.9

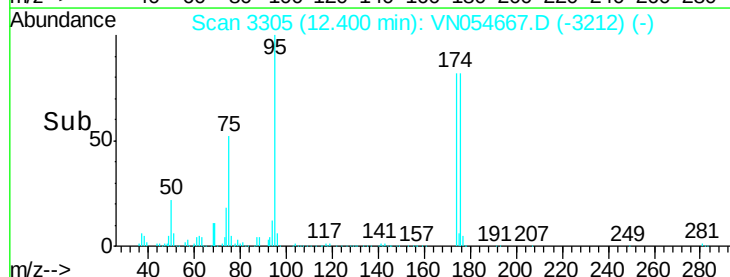
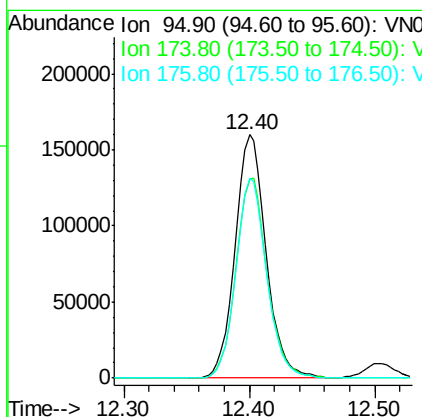
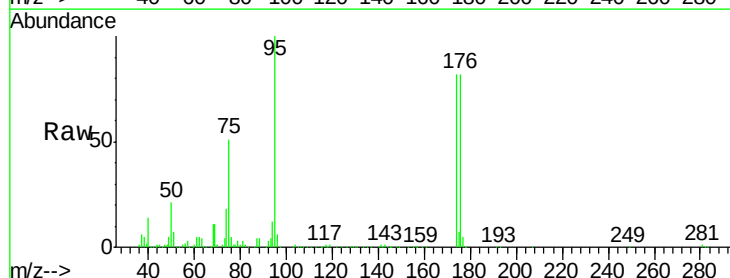
Manual Integrations
 APPROVED

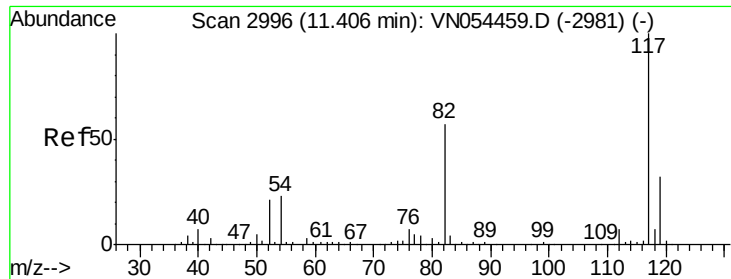
MMDadoda
 3/26/2019 12:32:57 PM



#62
 4-Bromofluorobenzene
 Concen: 48.591 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 95 Resp: 273244
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 191.0
 176 81.7 0.0 187.4





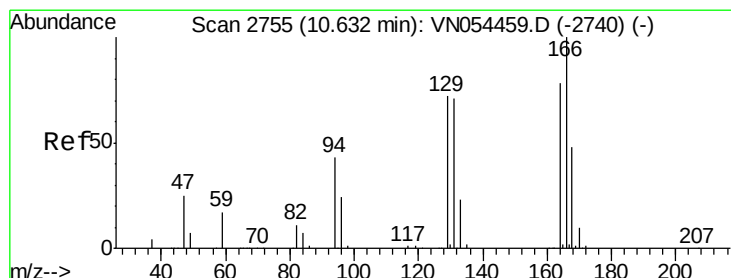
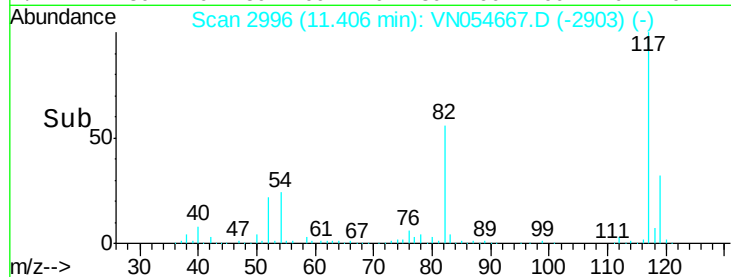
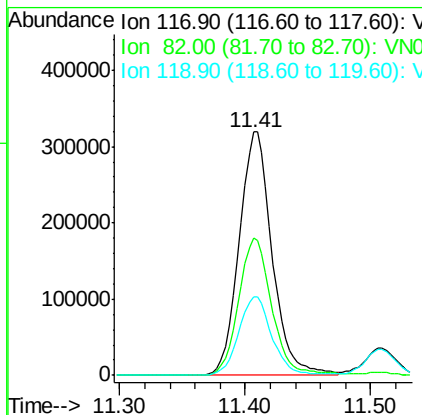
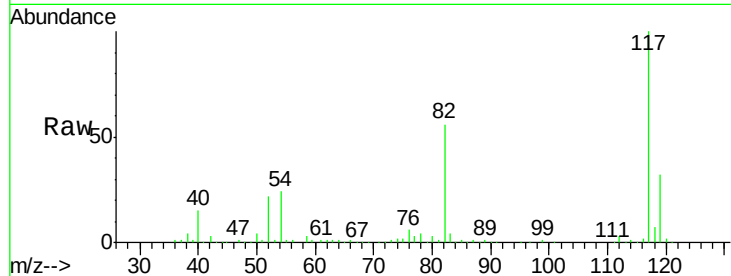
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion:117 Resp: 584715
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.3 25.8 38.6

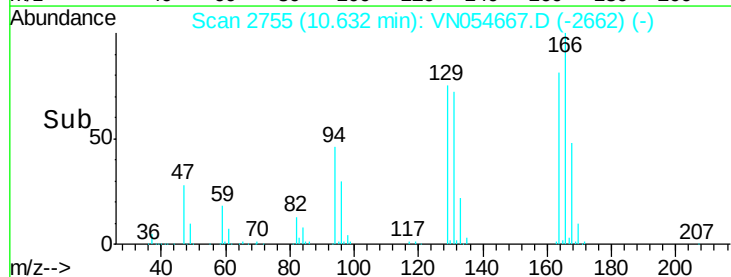
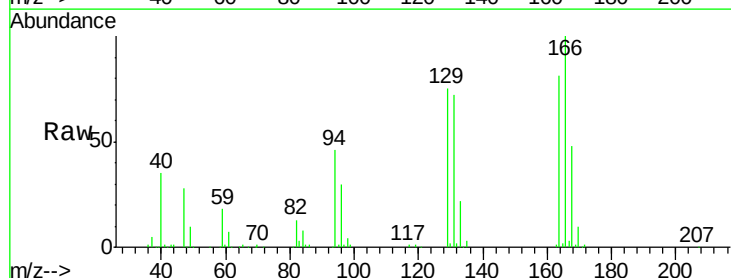
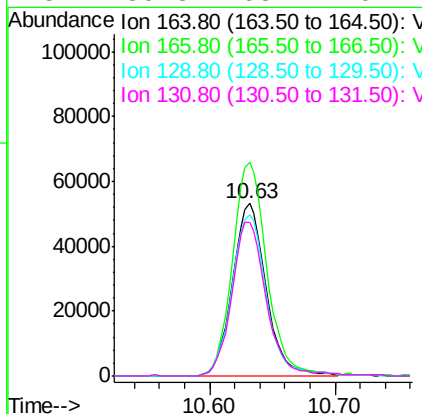
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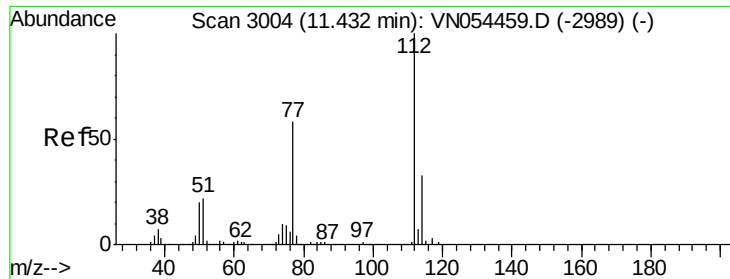
MMDadoda
3/26/2019 12:32:57 PM



#64
Tetrachloroethene
Concen: 20.451 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion:164 Resp: 99188
Ion Ratio Lower Upper
164 100
166 123.9 103.9 155.9
129 93.4 71.1 106.7
131 89.3 68.2 102.4





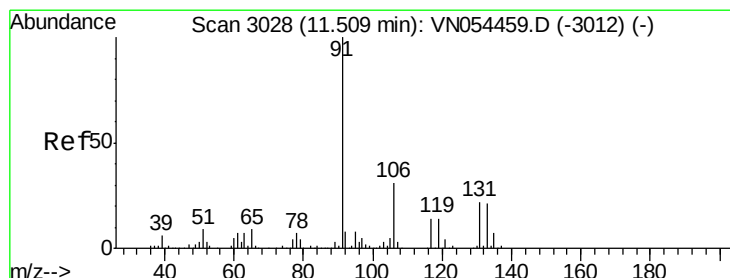
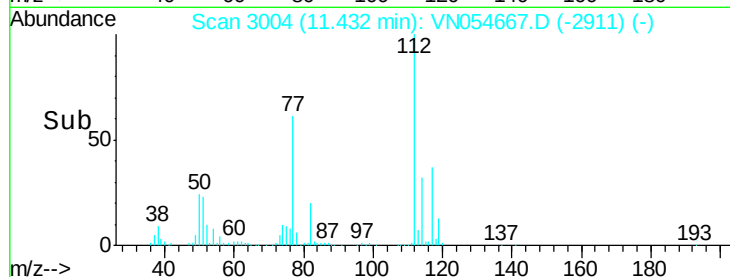
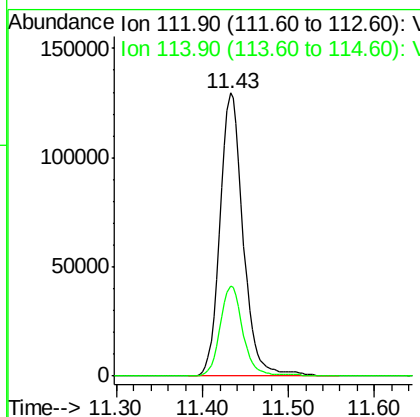
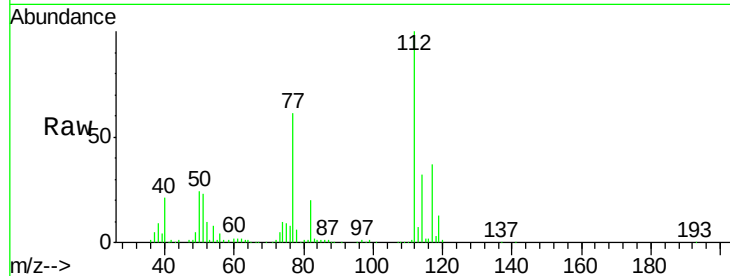
#65
Chlorobenzene
Concen: 20.506 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

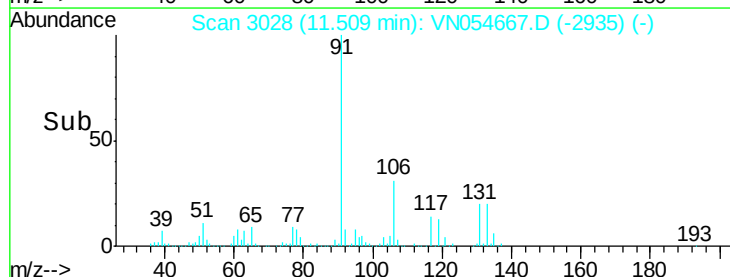
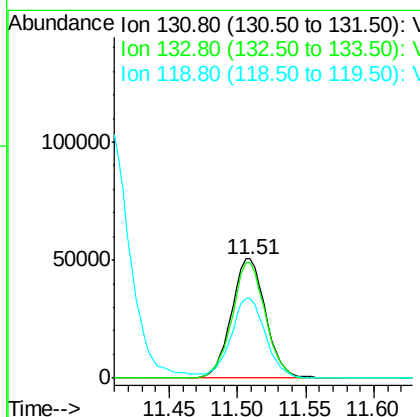
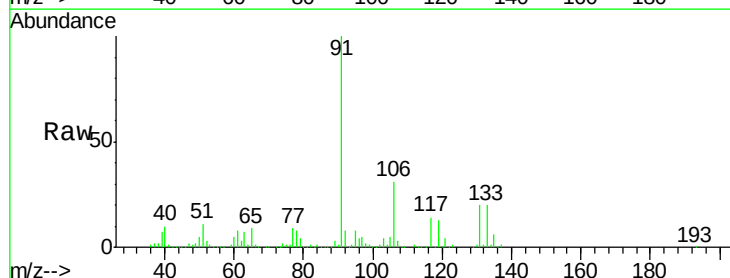
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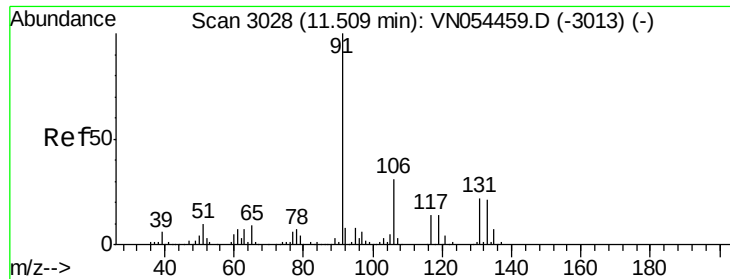
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.709 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.6	142.9
119	67.5	32.4	97.0





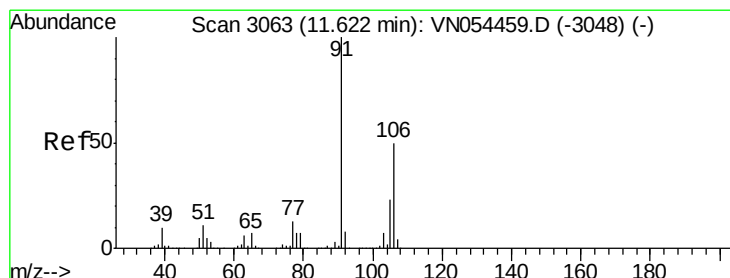
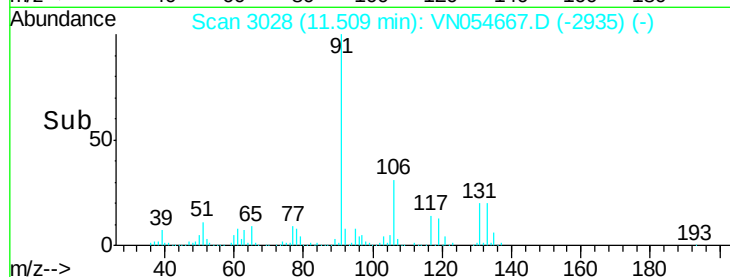
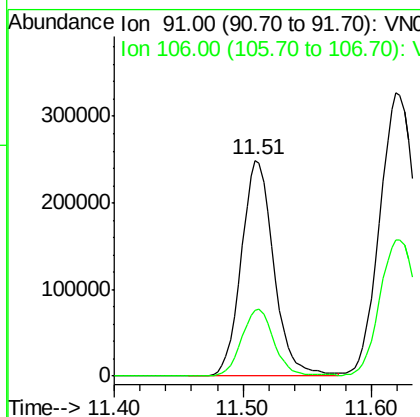
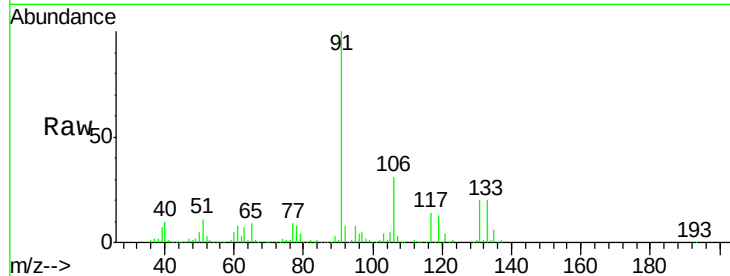
#67
Ethyl Benzene
Concen: 20.821 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion: 91 Resp: 437398
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

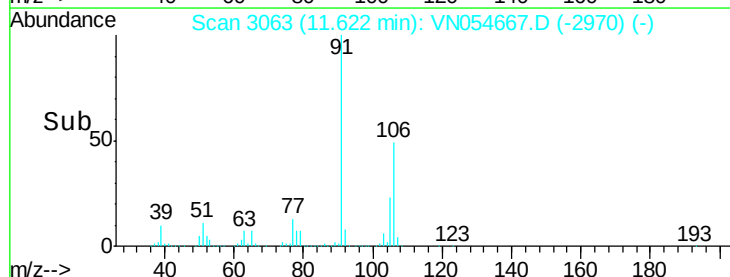
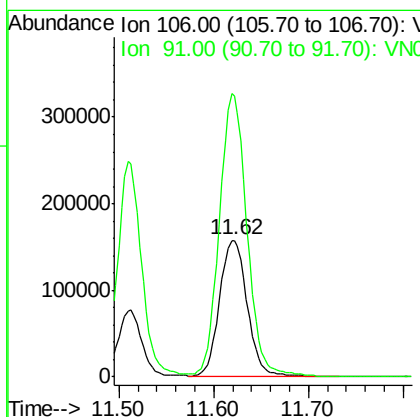
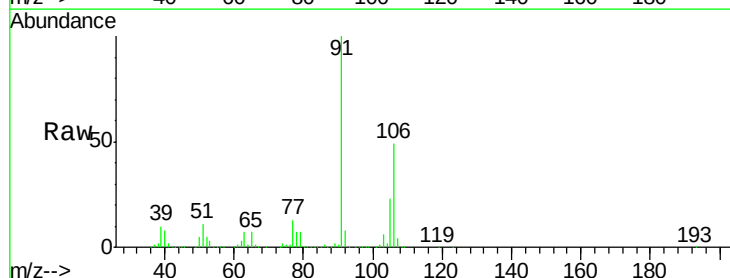
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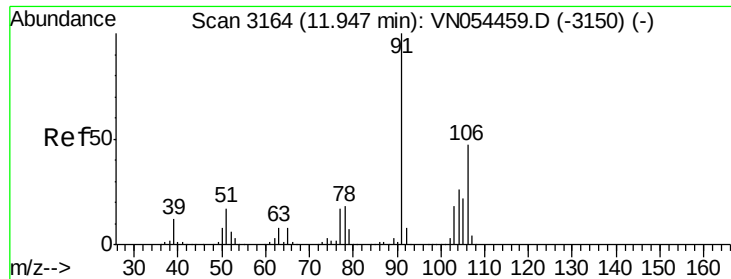
MMDadoda
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#68
m/p-Xylenes
Concen: 40.491 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 106 Resp: 322189
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





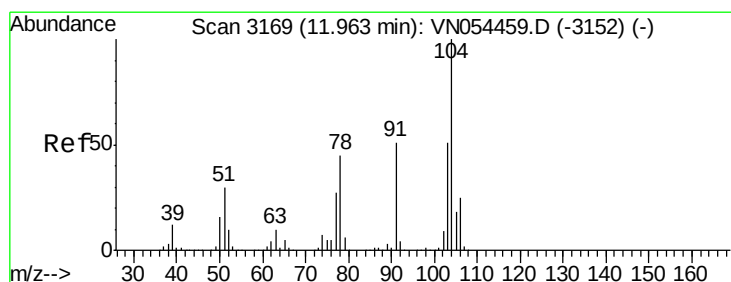
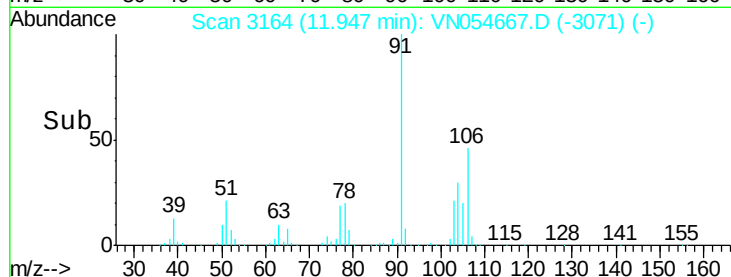
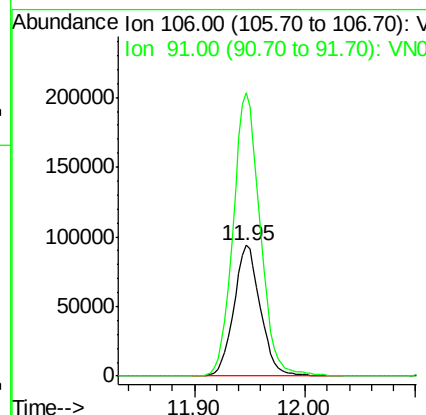
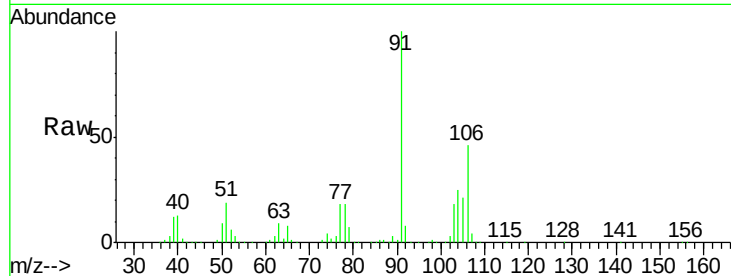
#69
o-Xylene
Concen: 20.226 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion:106 Resp: 157171
Ion Ratio Lower Upper
106 100
91 219.3 105.7 317.1

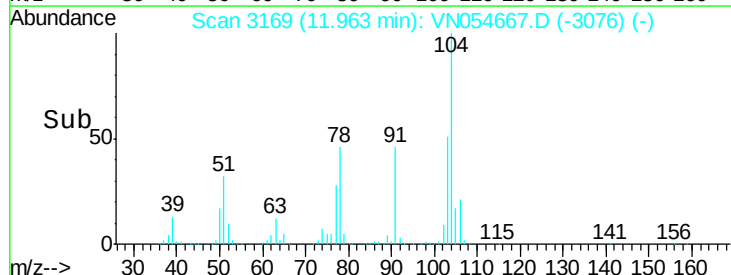
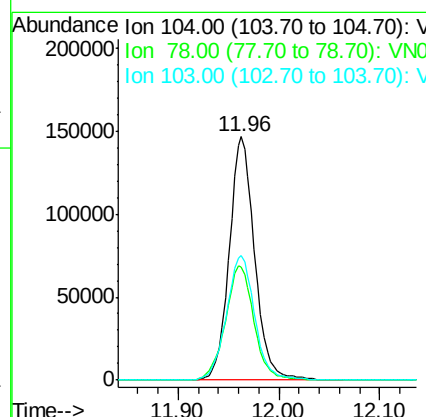
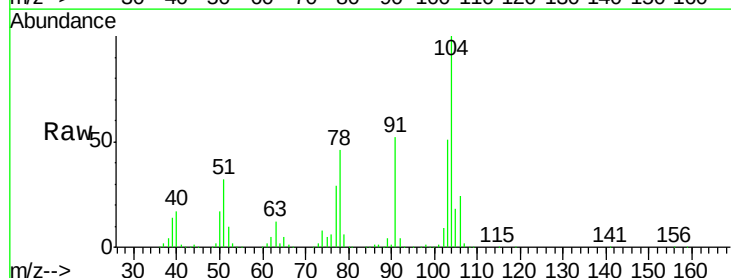
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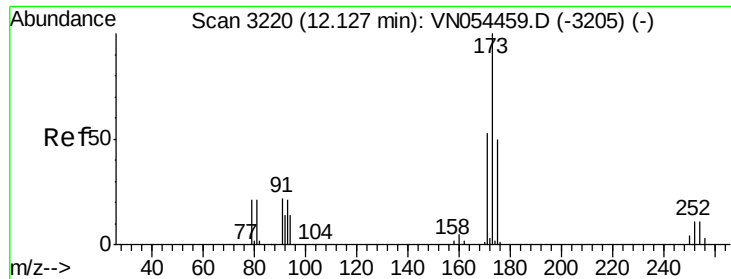
MMDadoda
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#70
Styrene
Concen: 20.432 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion:104 Resp: 257838
Ion Ratio Lower Upper
104 100
78 52.6 38.2 57.2
103 56.9 44.4 66.6





#71

Bromoform

Concen: 18.627 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

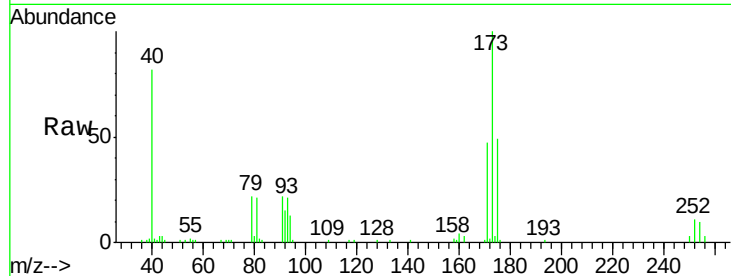
ClientSampleId :

VN0325MBS01

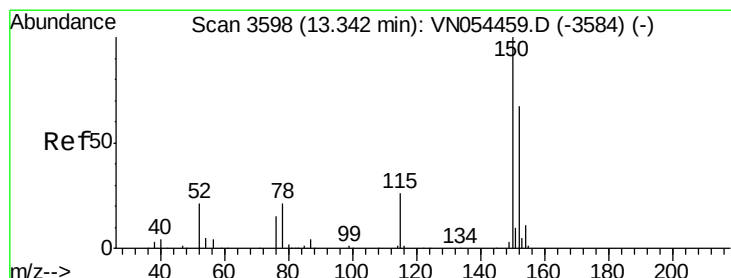
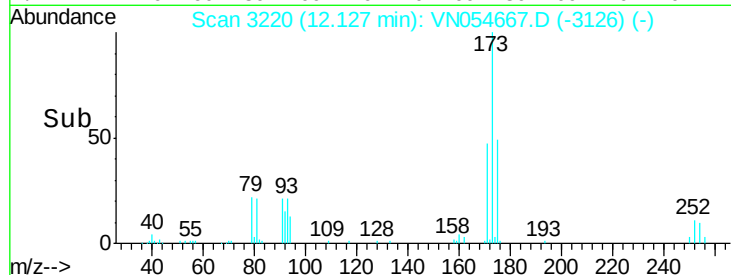
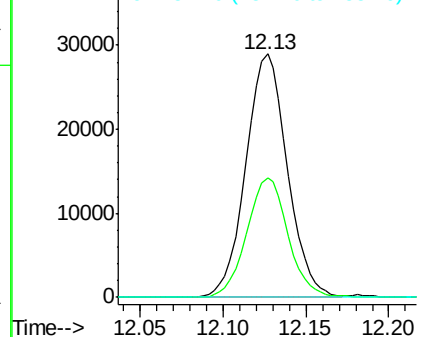
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

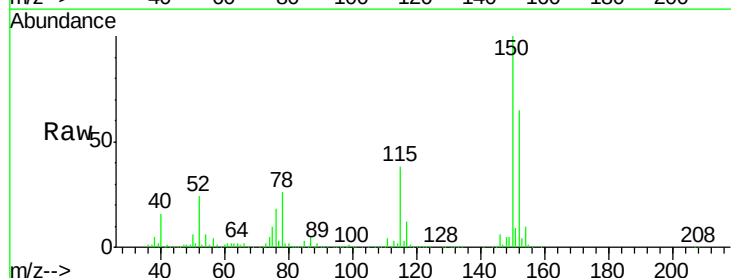
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

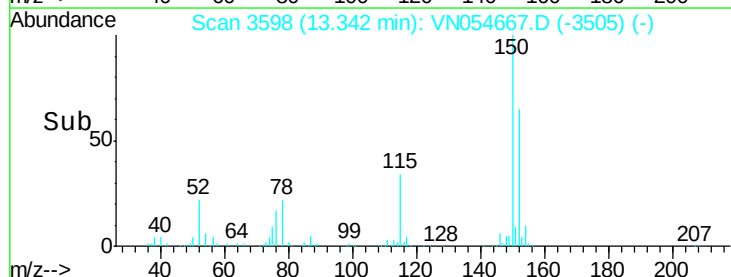
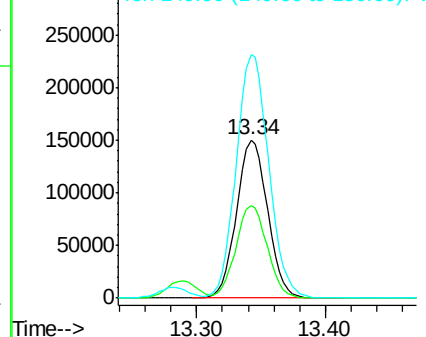
Lab File: VN054667.D

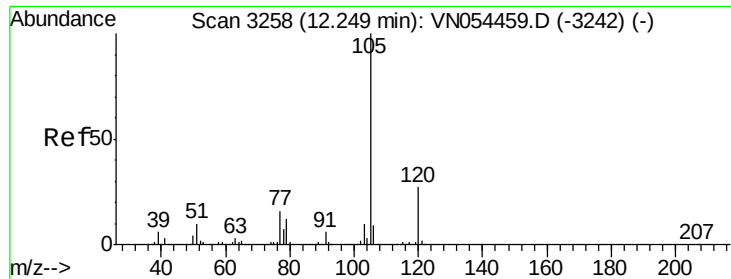
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.2	81.6
150	161.1	0.0	349.2



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





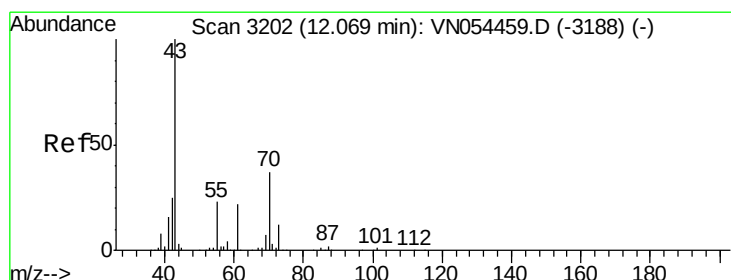
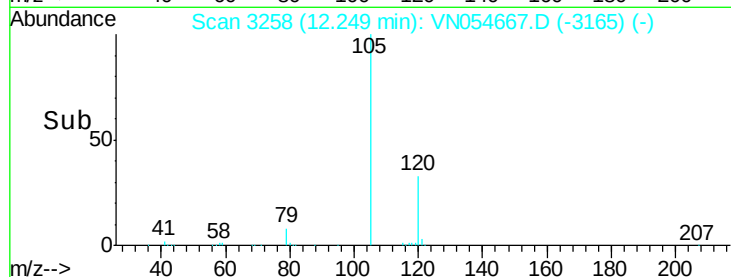
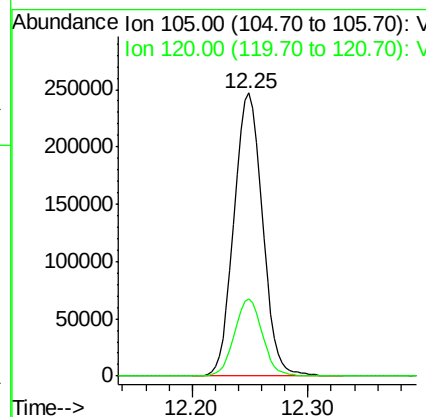
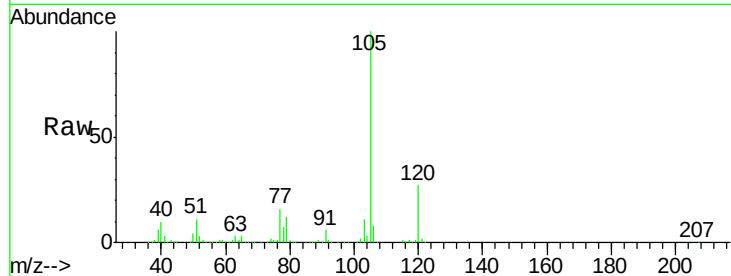
#73
Isopropylbenzene
Concen: 20.702 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3

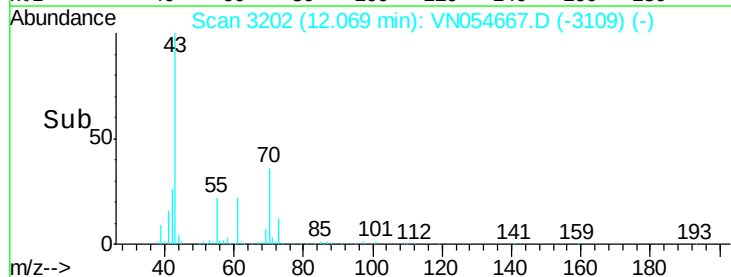
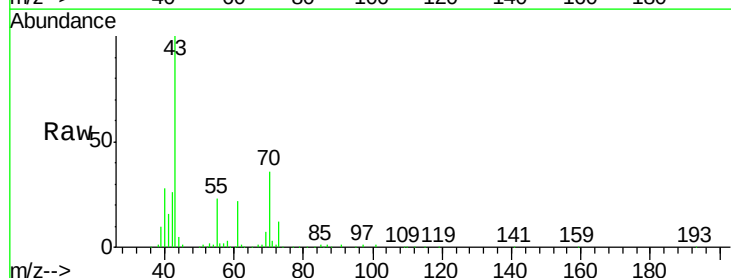
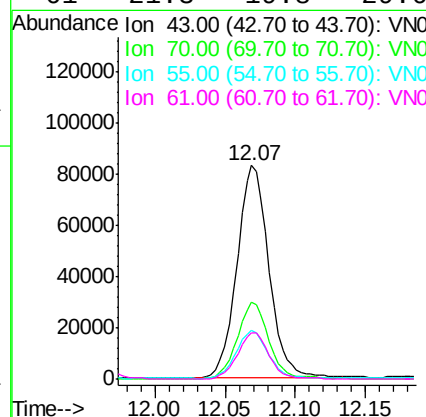
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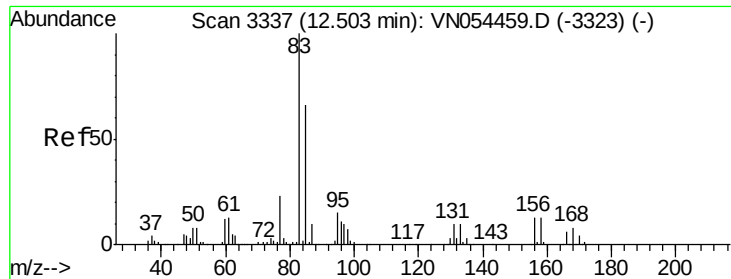
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#74
N-ethyl acetate
Concen: 22.639 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	35.4	53.0
55	22.8	19.8	29.6
61	21.3	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion: 83 Resp: 104062

Ion Ratio Lower Upper

83 100

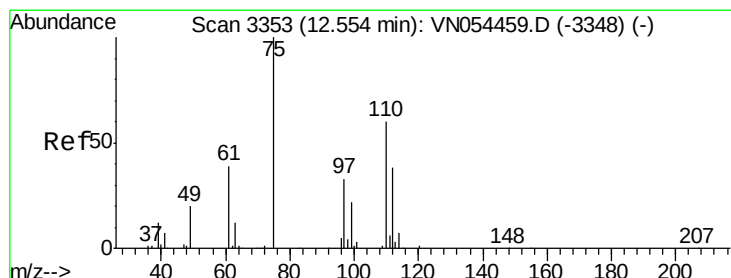
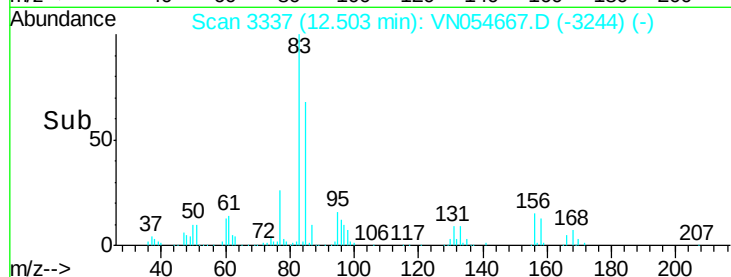
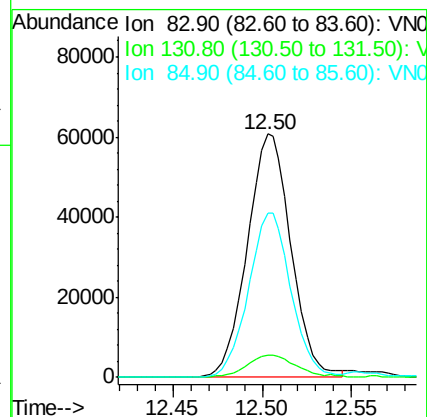
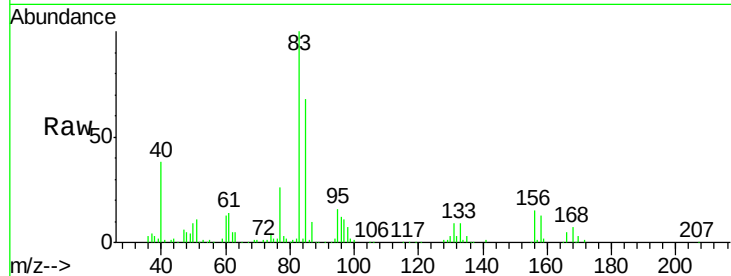
131 10.5 5.8 17.4

85 65.5 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.723 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054667.D

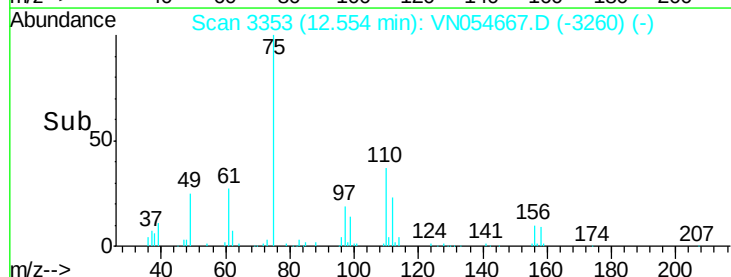
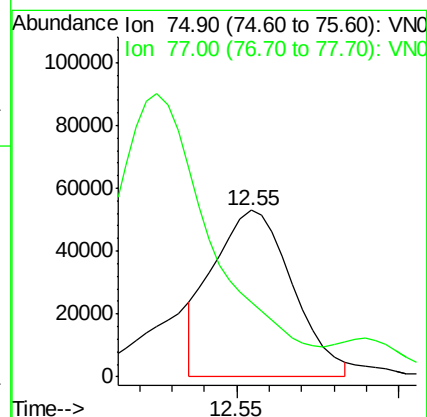
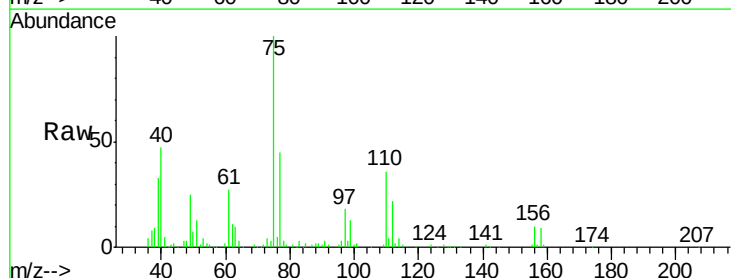
Acq: 25 Mar 2019 12:48

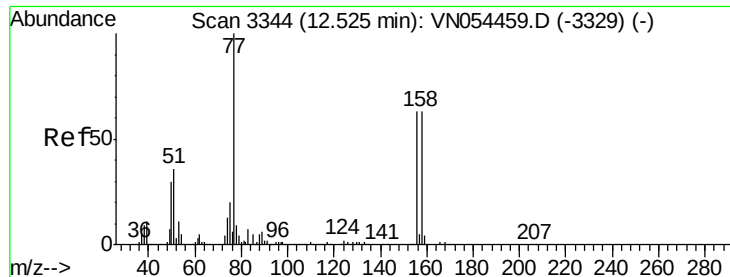
Tgt Ion: 75 Resp: 90680

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.393 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

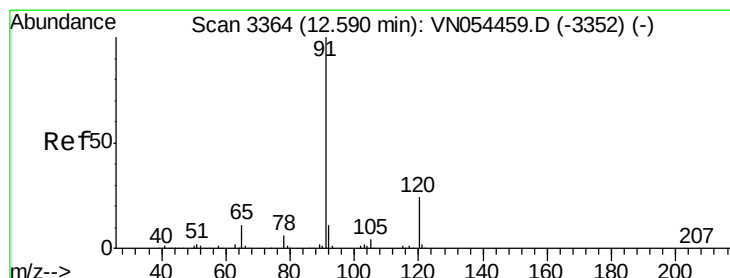
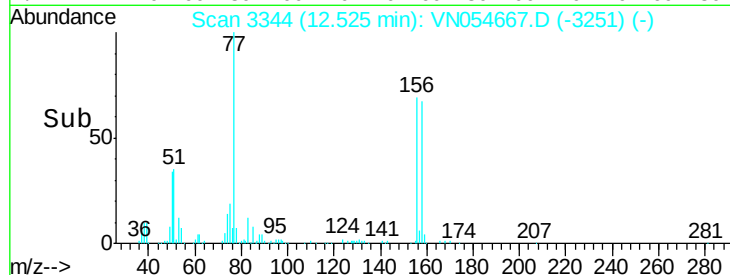
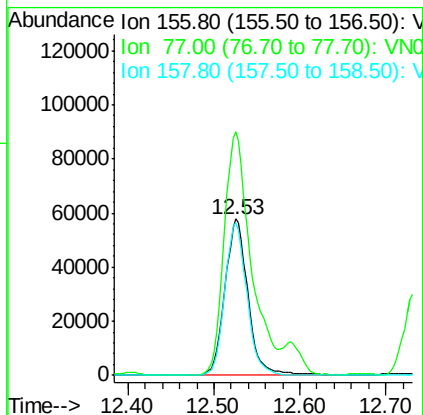
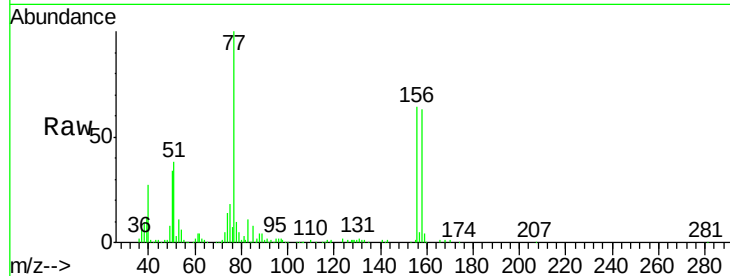
ClientSampleId :

VN0325MBS01

Tot Ion:	156	Resp:	107521
Ion Ratio	Lower	Upper	
156	100		
77	182.9	81.5	244.4
158	93.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.973 ug/l

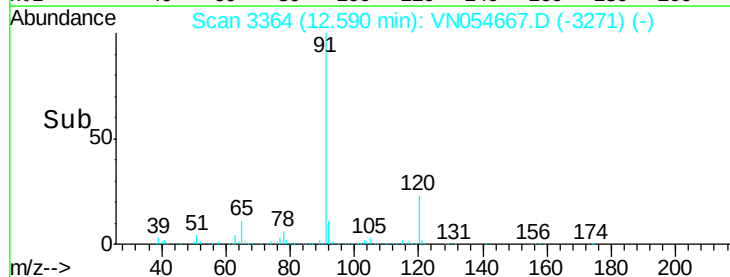
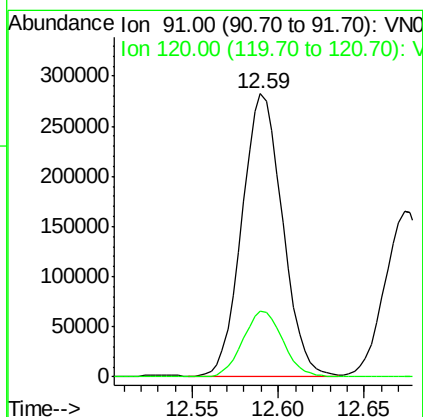
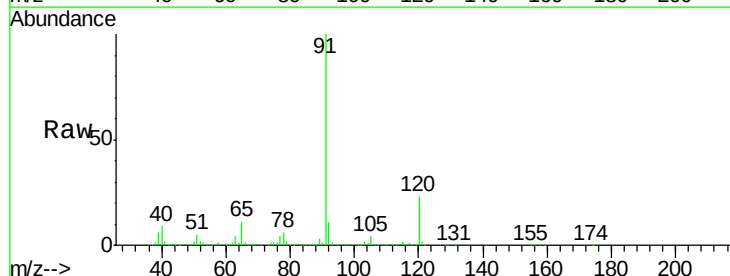
RT: 12.59 min Scan# 3364

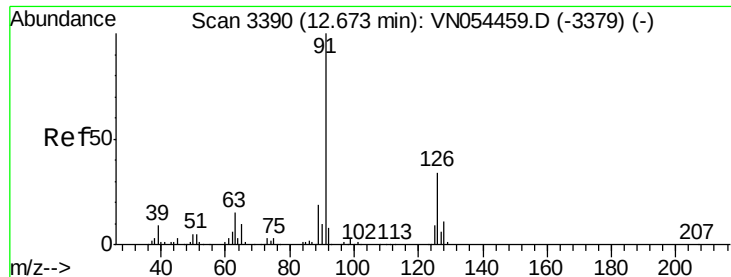
Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	91	Resp:	460877
Ion Ratio	Lower	Upper	
91	100		
120	23.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.644 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

Tot Ion: 91 Resp: 282892

Ion Ratio Lower Upper

91 100

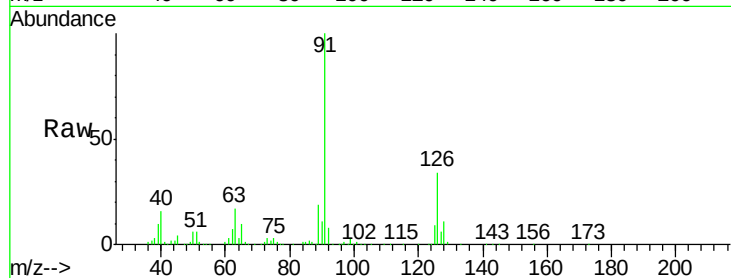
126 34.7 18.7 56.1

Manual Integrations

APPROVED

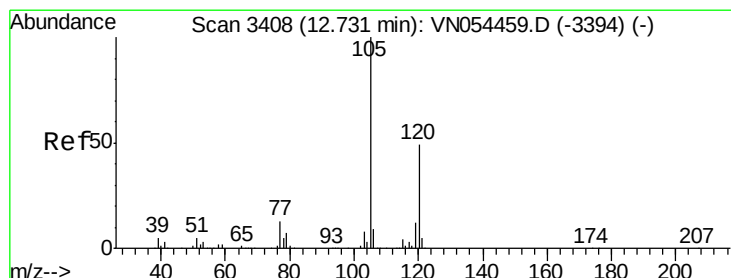
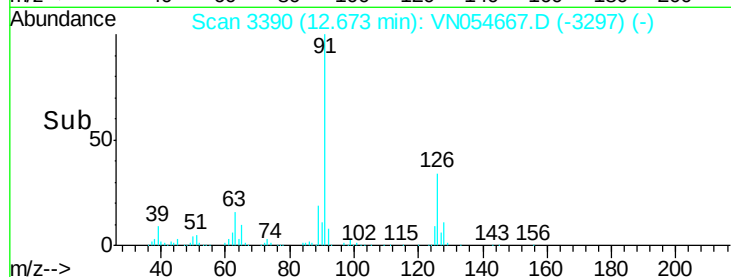
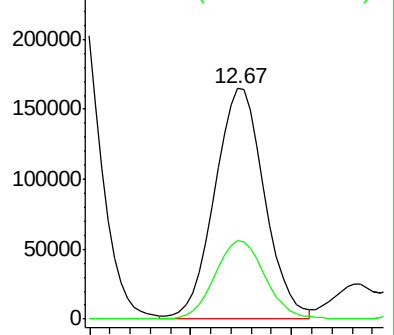
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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.573 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054667.D

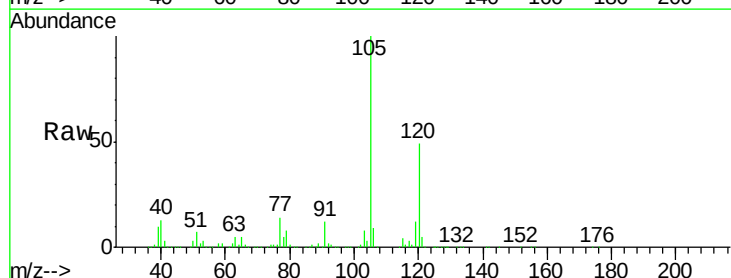
Acq: 25 Mar 2019 12:48

Tgt Ion: 105 Resp: 341700

Ion Ratio Lower Upper

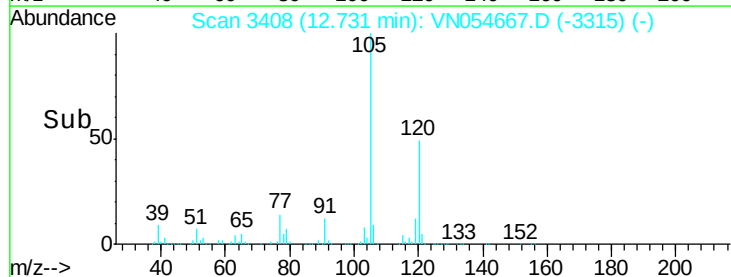
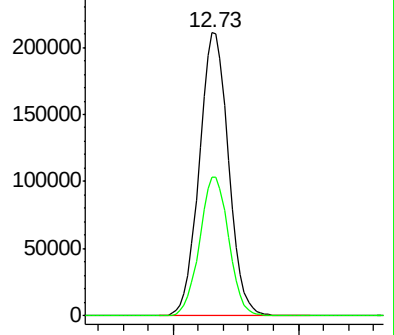
105 100

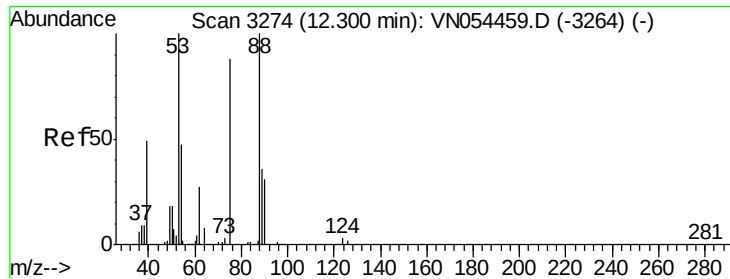
120 48.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)





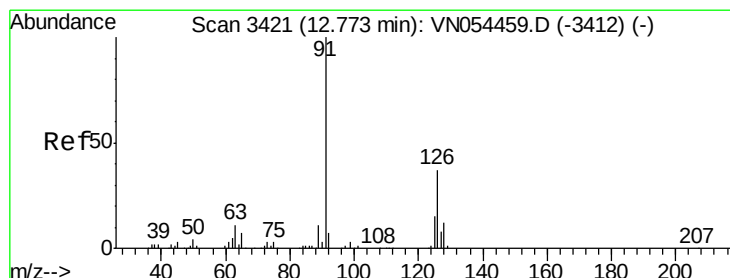
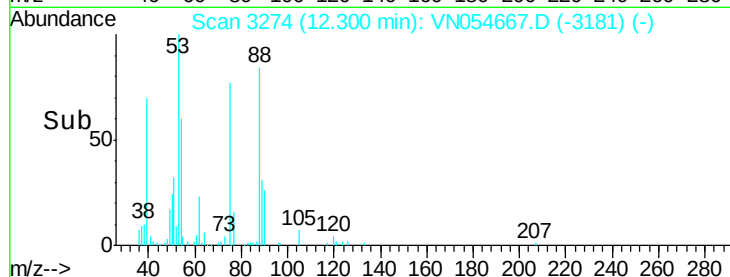
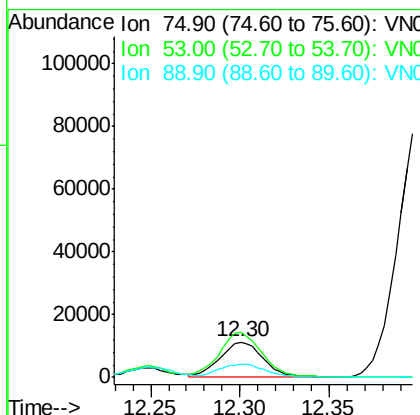
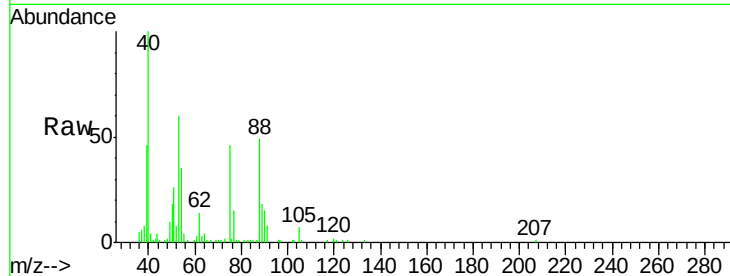
#81
trans-1,4-Dichloro-2-butene
Concen: 18.578 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

Tot Ion: 75 Resp: 19042
Ion Ratio Lower Upper
75 100
53 124.2 76.2 114.2#
89 41.2 39.2 58.8

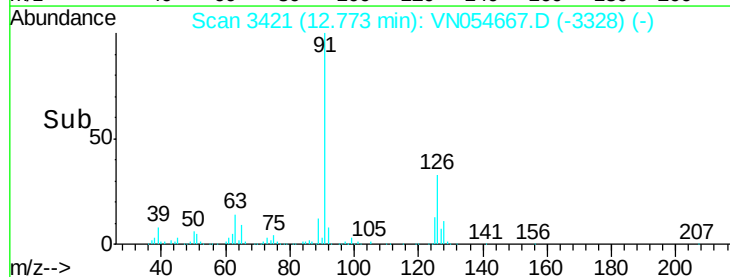
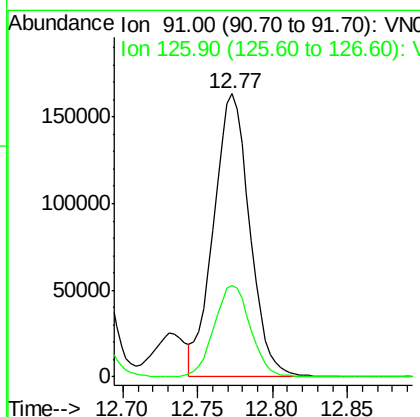
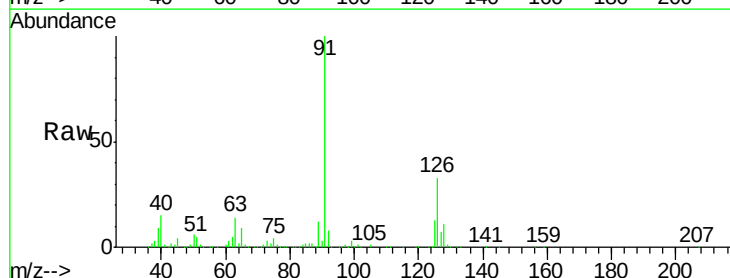
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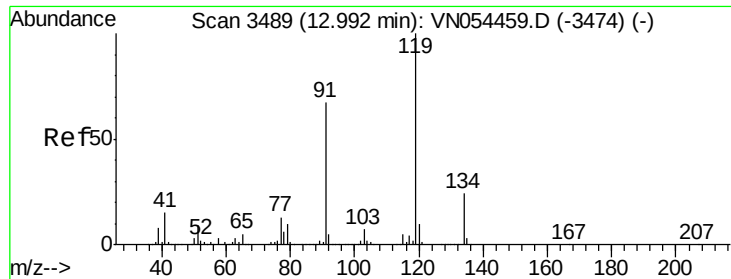
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#82
4-Chlorotoluene
Concen: 20.646 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 91 Resp: 274240
Ion Ratio Lower Upper
91 100
126 32.3 18.1 54.1





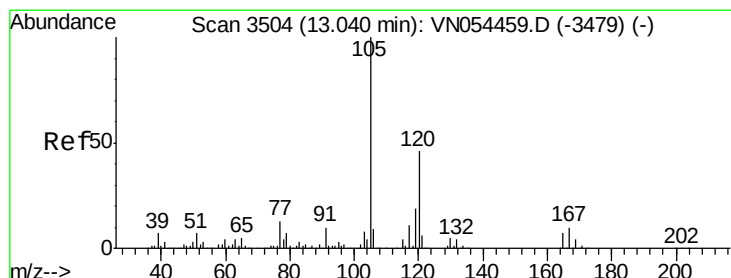
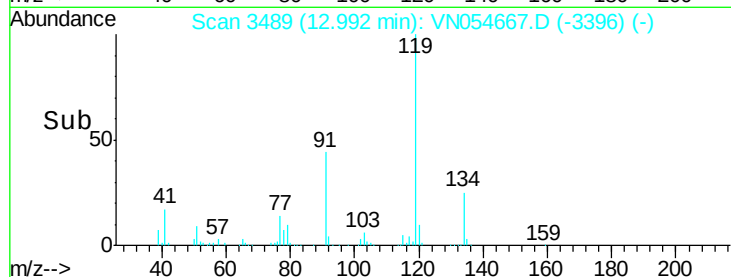
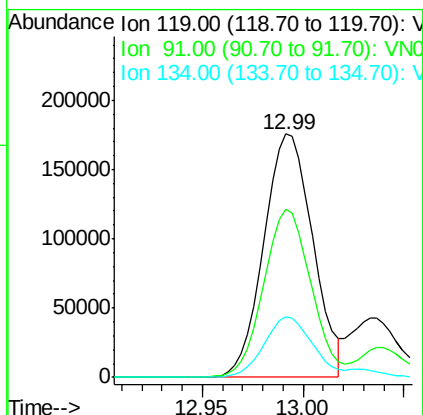
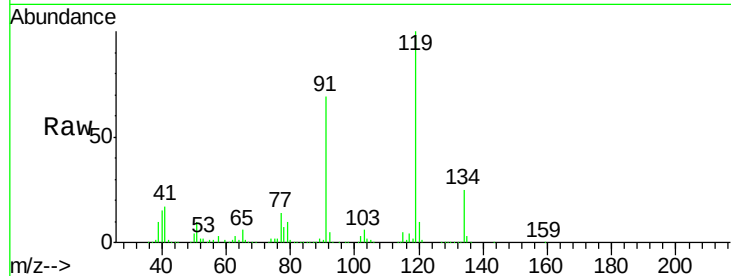
#83
 tert-Butylbenzene
 Concen: 20.503 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296420		
91	66.7	30.9	92.8	
134	24.5	13.2	39.6	

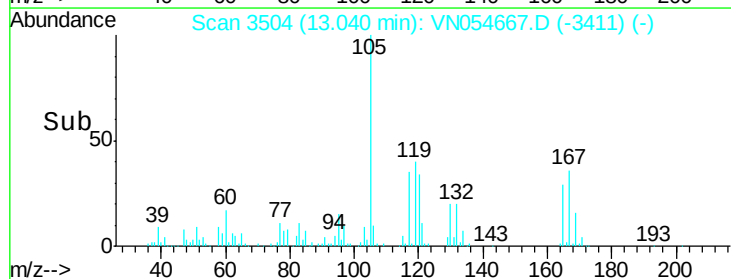
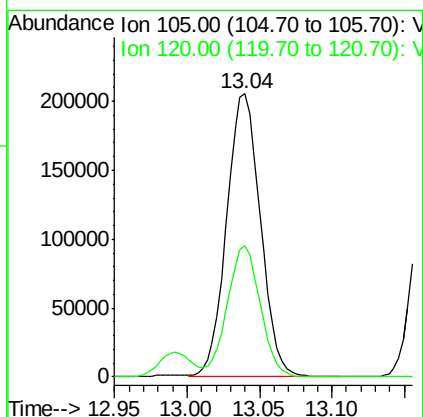
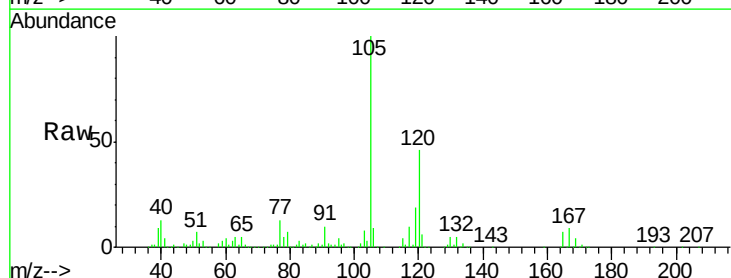
Manual Integrations
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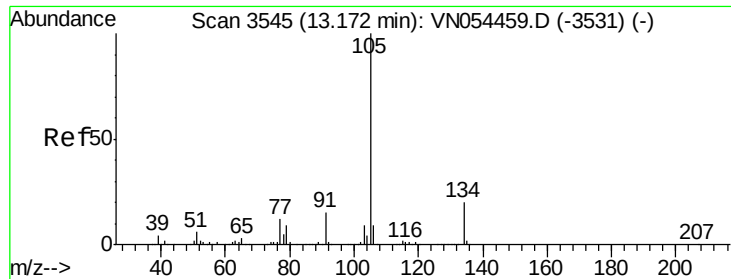
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.324 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	331222		
120	45.3	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.629 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

Tot Ion:105 Resp: 371783

Ion Ratio Lower Upper

105 100

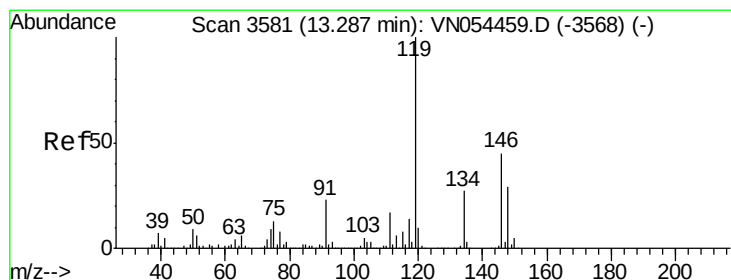
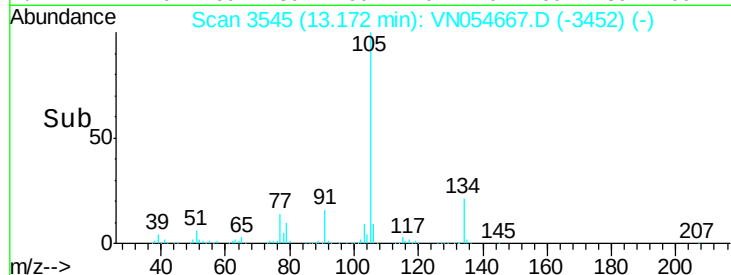
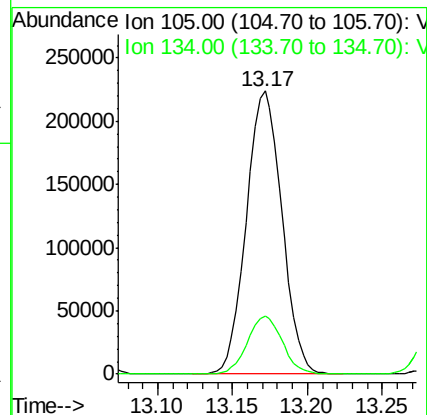
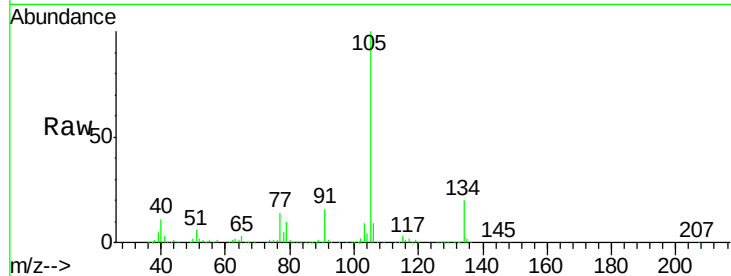
134 20.1 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.386 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

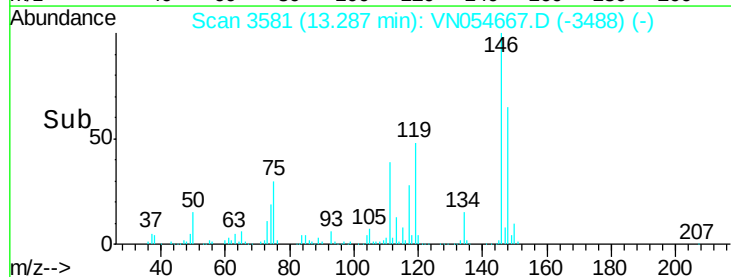
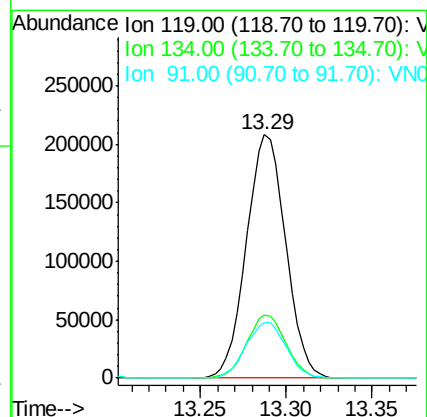
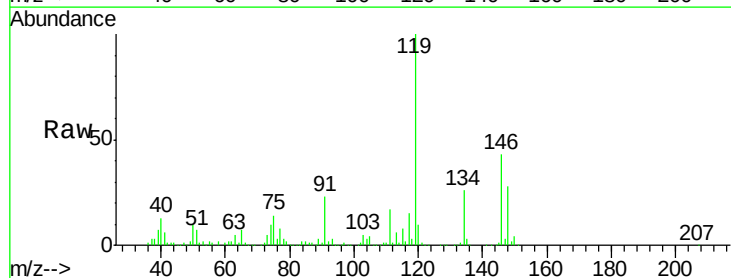
Tgt Ion:119 Resp: 328700

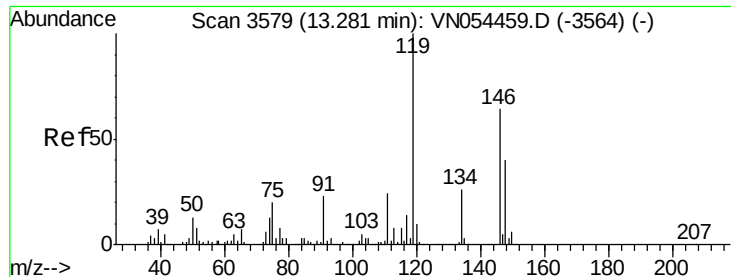
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.6 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.098 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

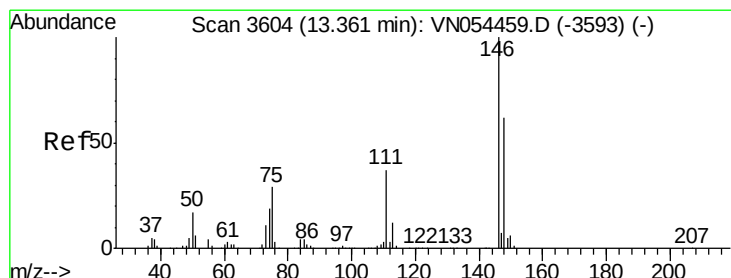
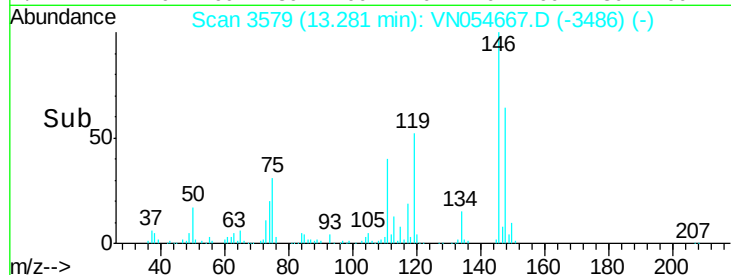
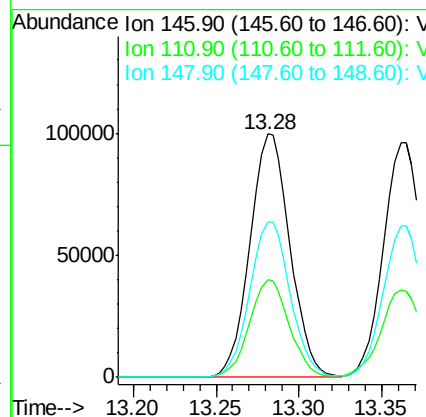
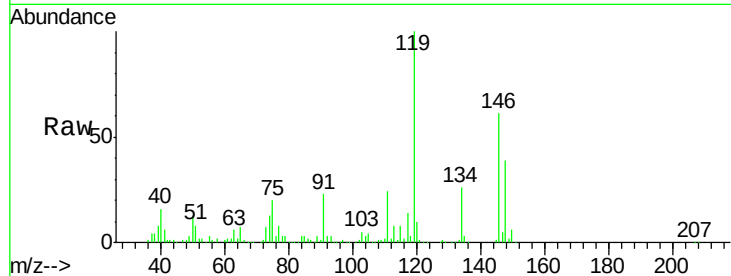
ClientSampleId :

VN0325MBS01

Tot Ion:	146	Resp:	167393
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.8	56.3
148	64.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.477 ug/l

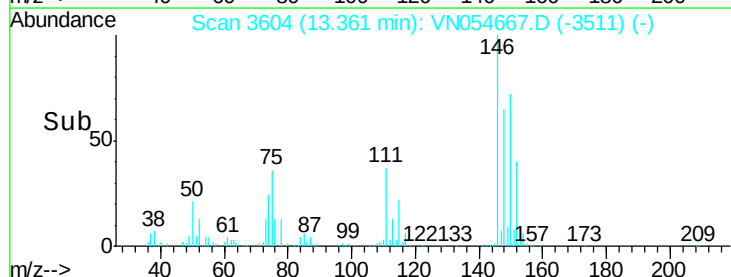
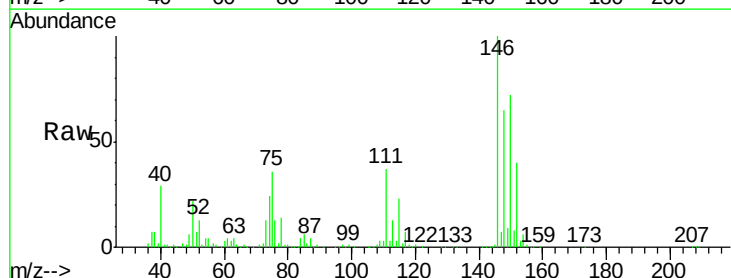
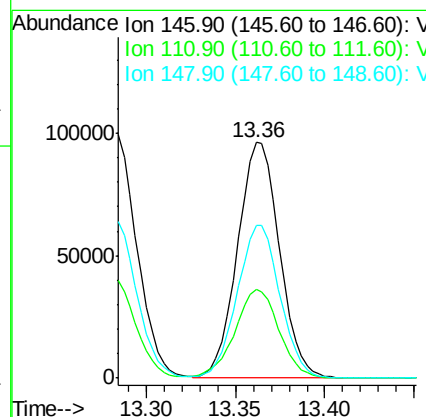
RT: 13.36 min Scan# 3604

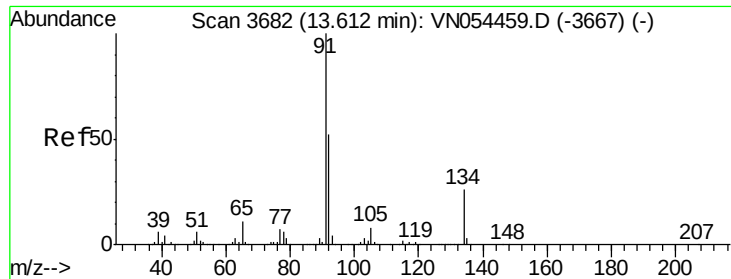
Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	146	Resp:	157841
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.1	54.1
148	66.4	32.0	96.0





#89

n-Butylbenzene

Concen: 19.935 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

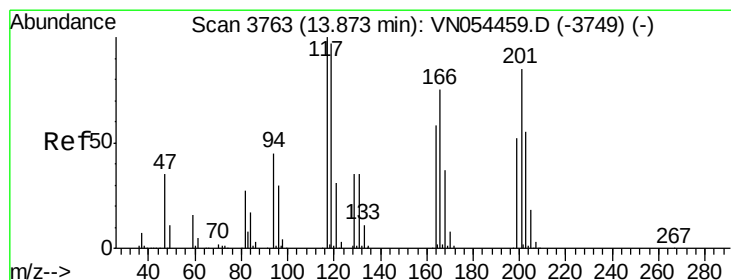
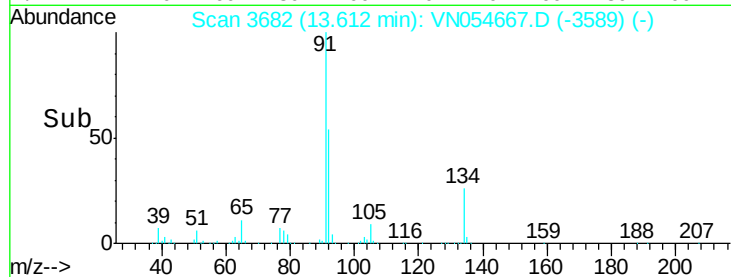
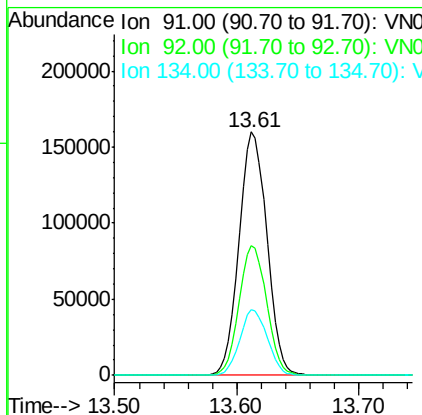
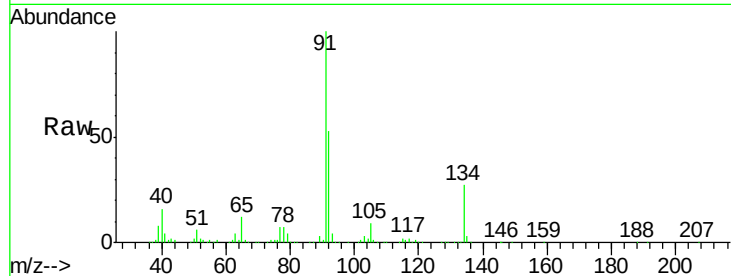
ClientSampleId :

VN0325MBS01

Tot Ion:	91	Resp:	251328
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.6
134	26.7	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 19.587 ug/l

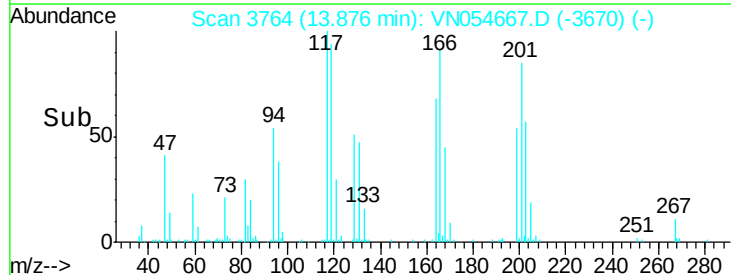
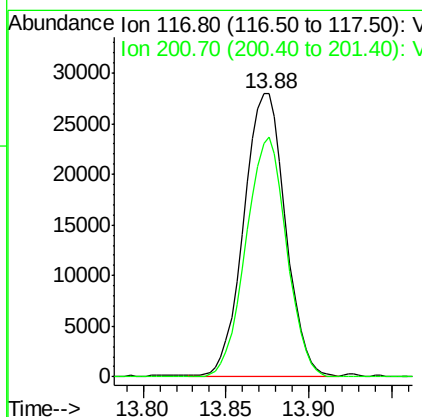
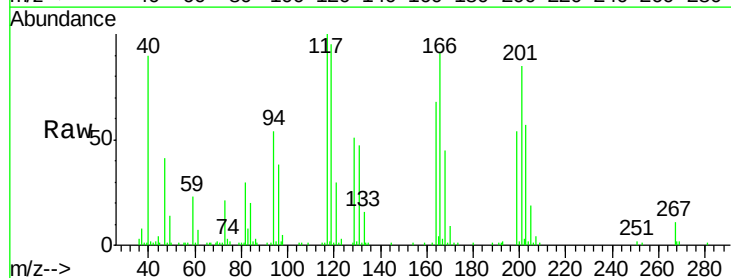
RT: 13.88 min Scan# 3764

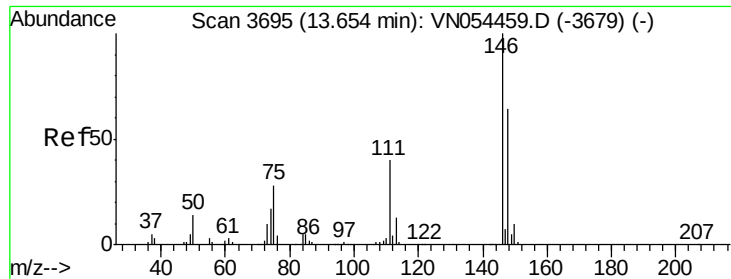
Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	117	Resp:	49023
Ion	Ratio	Lower	Upper
117	100		
201	82.1	48.1	144.4





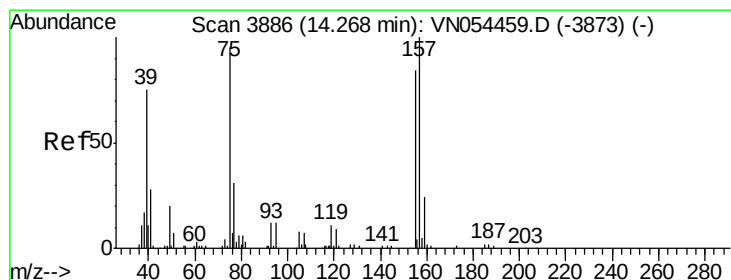
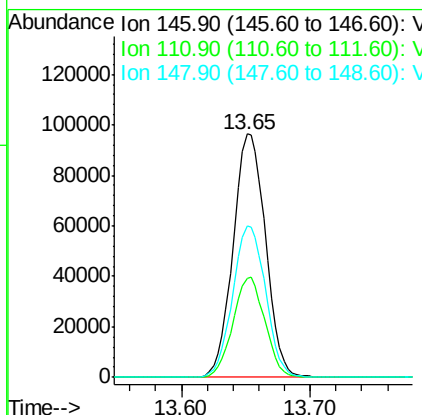
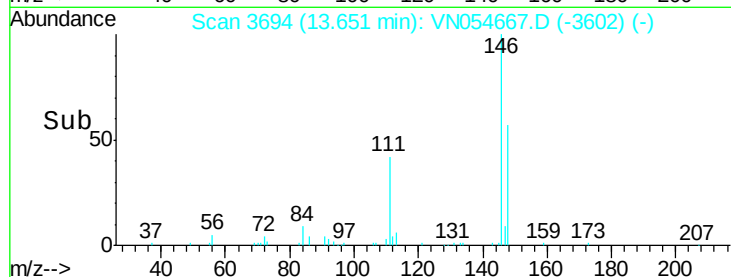
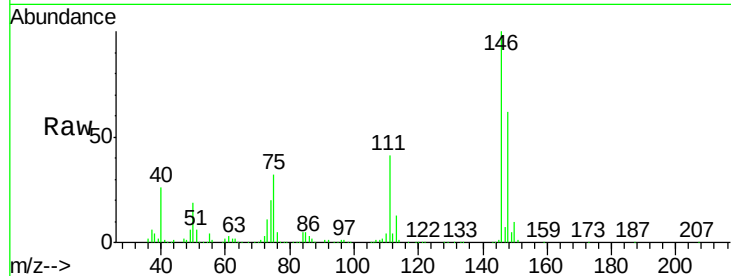
#91
 1,2-Dichlorobenzene
 Concen: 20.867 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.3
148	63.1	32.4	97.0

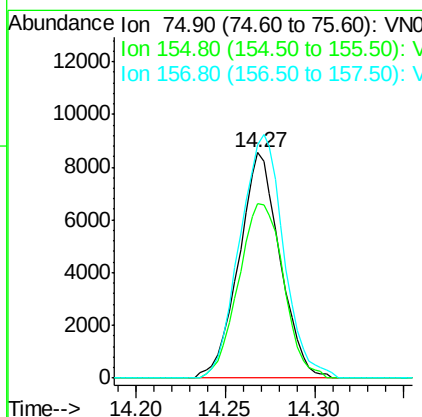
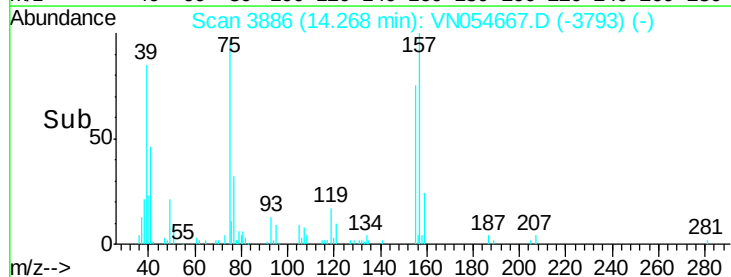
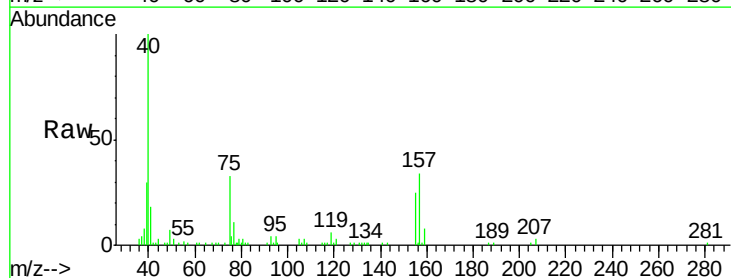
Manual Integrations
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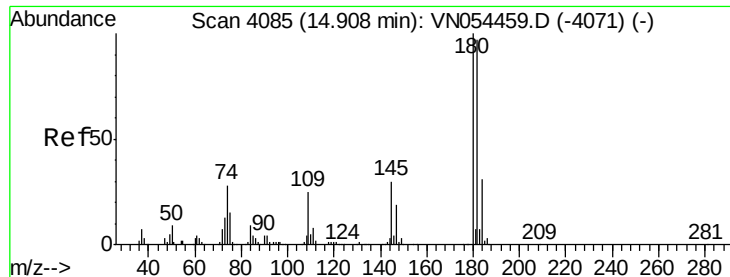
MMDadoda
 3/26/2019 12:32:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.192 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	50.1	150.3
157	115.3	63.1	189.3





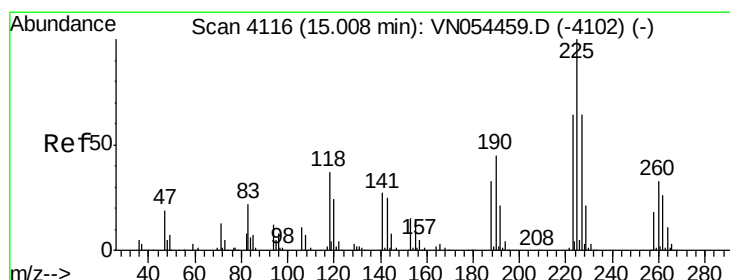
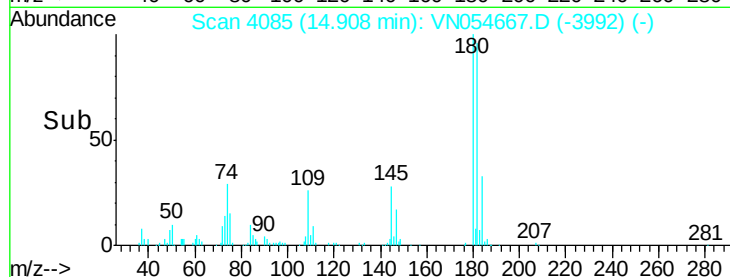
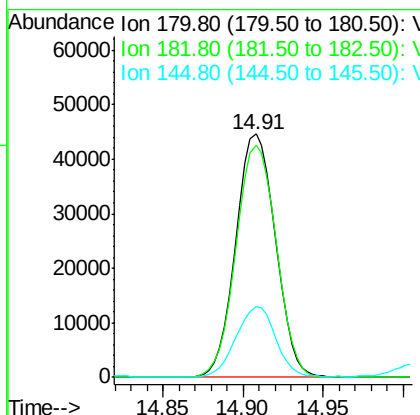
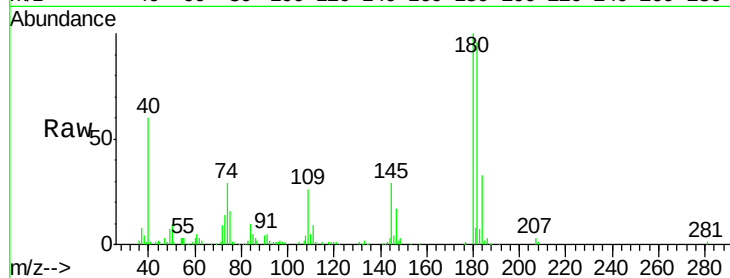
#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.2
145	29.4	14.2	42.8

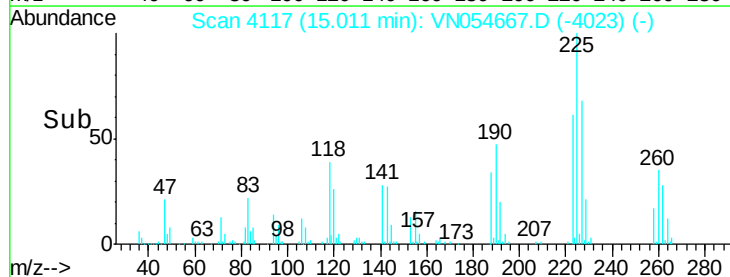
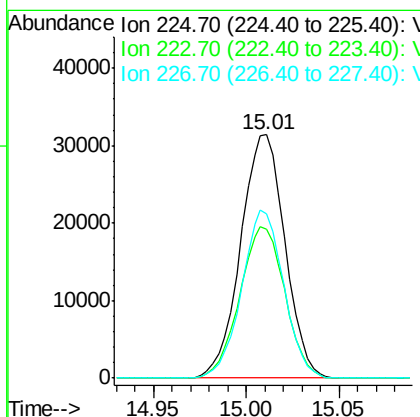
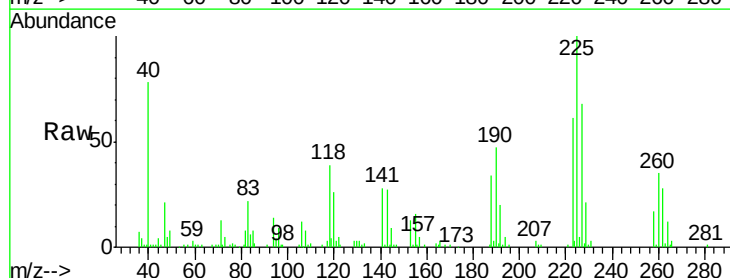
Manual Integrations
 APPROVED

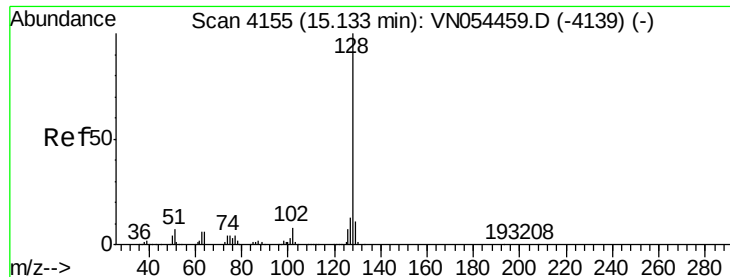
MMDadoda
 3/26/2019 12:32:57 PM



#94
 Hexachlorobutadiene
 Concen: 21.698 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.5
227	65.4	31.9	95.9





#95

Naphthalene

Concen: 20.814 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

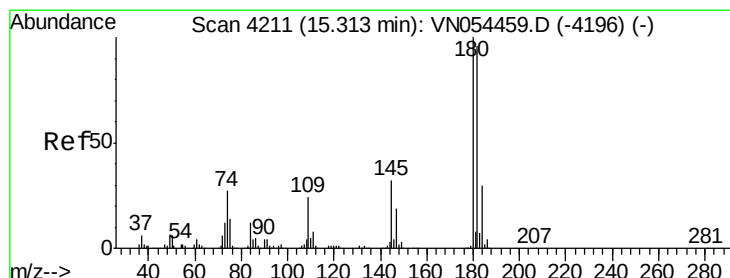
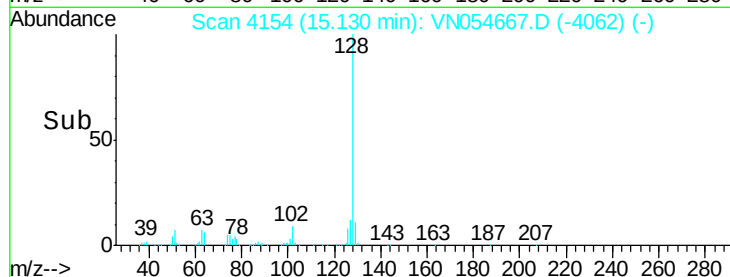
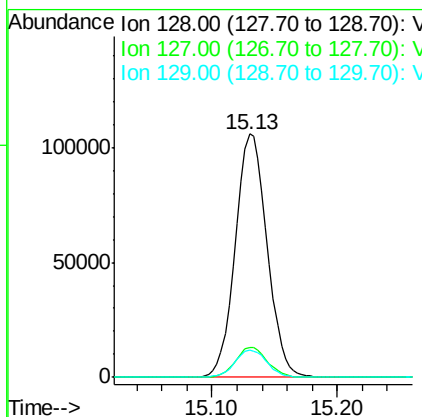
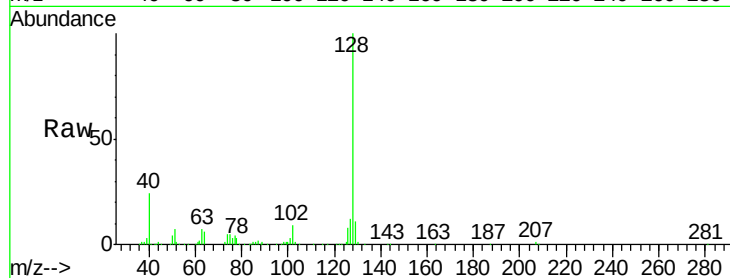
ClientSampled :

VN0325MBS01

Tot Ion:	128	Resp:	186709
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.939 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion:	180	Resp:	79808
Ion Ratio	Lower	Upper	
180	100		
182	92.6	47.5	142.6
145	32.2	14.8	44.3

