

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054669.D
 Acq On : 25 Mar 2019 13:40
 Operator : JC/SP
 Sample : VN0325WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:33:05 PM

Quant Time: Mar 26 02:01:50 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	416705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	609311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	291772	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.59	113	228888	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.09	98	843400	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	282580	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86063	21.604	ug/l	99
3) Chloromethane	2.06	50	118465	21.857	ug/l	100
4) Vinyl Chloride	2.19	62	108824	19.998	ug/l	99
5) Bromomethane	2.57	94	62723	17.825	ug/l	94
6) Chloroethane	2.71	64	60663	18.586	ug/l	95
7) Trichlorofluoromethane	3.02	101	134206	20.308	ug/l	99
8) Diethyl Ether	3.41	74	47428	18.661	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72073	18.557	ug/l	94
10) Methyl Iodide	3.95	142	101257	17.724	ug/l	91
11) Tert butyl alcohol	4.82	59	31955	101.833	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	69404	17.268	ug/l #	77
13) Acrolein	3.61	56	42481	98.098	ug/l	94
14) Allyl chloride	4.32	41	164283	21.706	ug/l #	91
15) Acrylonitrile	4.99	53	182736	116.937	ug/l	99
16) Acetone	3.82	43	133633	85.755	ug/l #	82
17) Carbon Disulfide	4.04	76	187984	17.456	ug/l	99
18) Methyl Acetate	4.33	43	82360	23.712	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	256148	21.837	ug/l	94
20) Methylene Chloride	4.55	84	97097	21.137	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	87462	21.311	ug/l	85
22) Diisopropyl ether	5.96	45	347379	23.269	ug/l #	94
23) Vinyl Acetate	5.90	43	1213050	115.049	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	181408	22.568	ug/l	96
25) 2-Butanone	6.85	43	221944	111.183	ug/l	91
26) 2,2-Dichloropropane	6.82	77	116145	20.270	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	105218	21.494	ug/l	89
28) Bromochloromethane	7.19	49	93531	23.640	ug/l #	73
29) Tetrahydrofuran	7.22	42	152590	117.794	ug/l #	84
30) Chloroform	7.37	83	174736	22.275	ug/l	97
31) Cyclohexane	7.65	56	169728	20.957	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	142317	21.990	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126698	19.472	ug/l	96
37) Ethyl Acetate	6.93	43	98227	21.225	ug/l #	93
38) Carbon Tetrachloride	7.77	117	121829	19.267	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	134887	18.122	ug/l #	85
40) Benzene	8.04	78	385881	20.739	ug/l	100
41) Methacrylonitrile	7.18	41	53829	19.072	ug/l	94
42) 1,2-Dichloroethane	8.13	62	139930	20.650	ug/l	97
43) Isopropyl Acetate	8.17	43	166908	21.355	ug/l #	92
44) Trichloroethene	8.83	130	100901	19.505	ug/l	92
45) 1,2-Dichloropropane	9.12	63	109973	22.011	ug/l	100
46) Dibromomethane	9.21	93	61431	20.610	ug/l	89
47) Bromodichloromethane	9.40	83	126235	20.407	ug/l	96
48) Methyl methacrylate	9.20	41	87451	20.615	ug/l #	86
49) 1,4-Dioxane	9.20	88	18193	383.618	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	474704	109.592	ug/l	93
52) Toluene	10.16	92	232958	20.356	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	113239	18.811	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	141501	19.950	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	86999	21.149	ug/l	96
56) Ethyl methacrylate	10.43	69	114063	20.658	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	152482	21.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	191866	84.389	ug/l	90
59) 2-Hexanone	10.75	43	297417	105.119	ug/l	91
60) Dibromochloromethane	10.90	129	86116	19.673	ug/l	100
61) 1,2-Dibromoethane	11.01	107	82119	20.192	ug/l	99
64) Tetrachloroethene	10.63	164	94701	18.738	ug/l	95
65) Chlorobenzene	11.43	112	243716	19.666	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88287	19.848	ug/l	97
67) Ethyl Benzene	11.51	91	436170	19.925	ug/l	97
68) m/p-Xylenes	11.62	106	319208	38.497	ug/l	94
69) o-Xylene	11.95	106	160041	19.764	ug/l	98
70) Styrene	11.96	104	257330	19.569	ug/l	96
71) Bromoform	12.13	173	50257	17.881	ug/l #	99
73) Isopropylbenzene	12.25	105	418209	20.709	ug/l	99
74) N-amyl acetate	12.07	43	126405	21.769	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	102107	22.150	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	97149m	24.429	ug/l	
77) Bromobenzene	12.53	156	102358	20.437	ug/l	86
78) n-propylbenzene	12.59	91	449927	20.547	ug/l	97
79) 2-Chlorotoluene	12.67	91	282271	20.671	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	344618	20.822	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19053	18.641	ug/l #	77
82) 4-Chlorotoluene	12.77	91	270100	20.406	ug/l	97
83) tert-Butylbenzene	12.99	119	299944	20.820	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	334675	20.608	ug/l	97
85) sec-Butylbenzene	13.17	105	366476	20.406	ug/l	97
86) p-Isopropyltoluene	13.29	119	319630	19.893	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	166499	20.061	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	158276	19.600	ug/l	96
89) n-Butylbenzene	13.61	91	243645	19.393	ug/l	98
90) Hexachloroethane	13.87	117	49797	19.967	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	164320	20.440	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15053	22.263	ug/l	76

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72644	18.127	ug/l	99
94) Hexachlorobutadiene	15.01	225	51074	21.258	ug/l	99
95) Naphthalene	15.13	128	171256	19.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	74853	18.767	ug/l	99

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

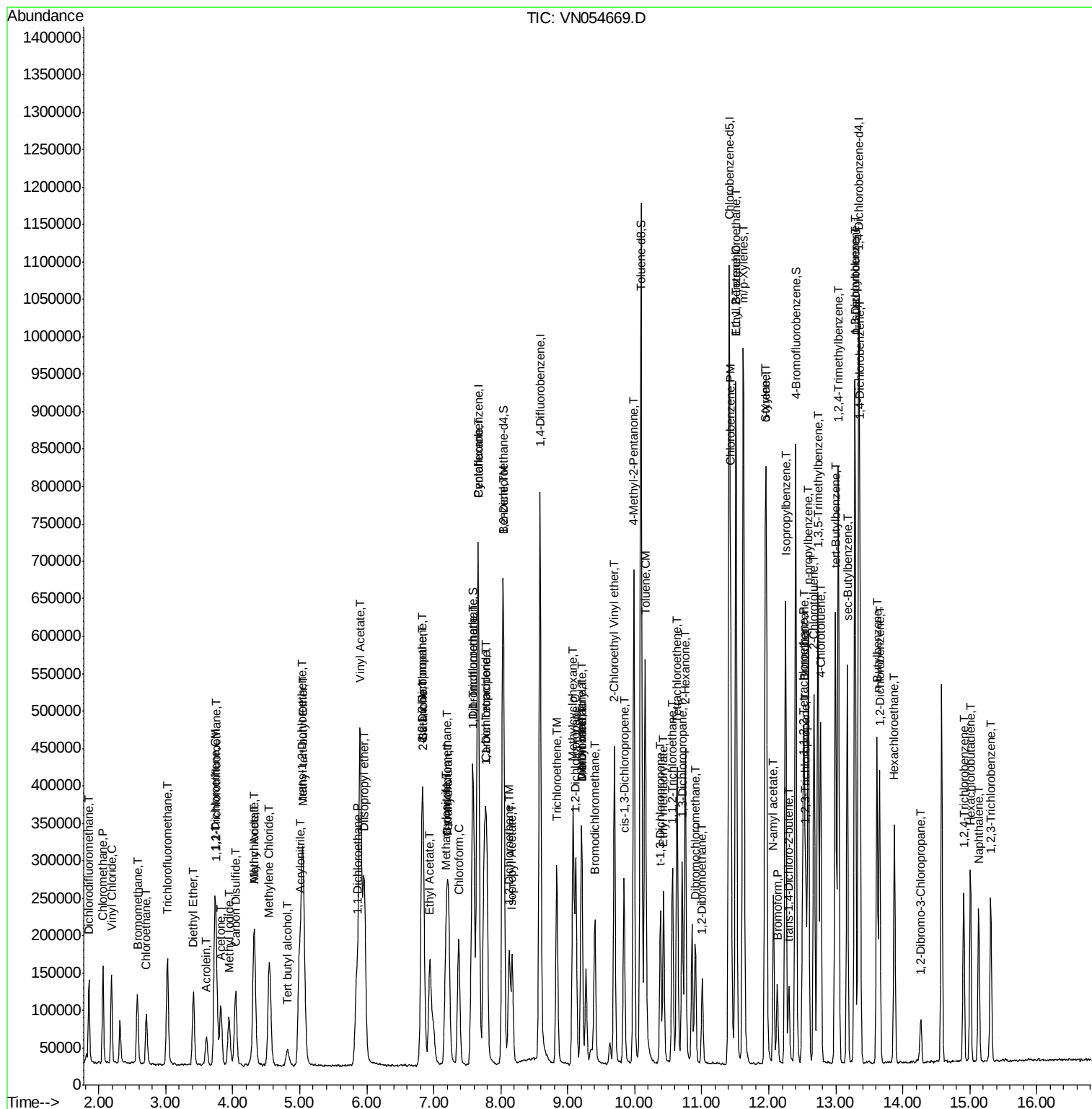
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Data File : VN054669.D
Acq On : 25 Mar 2019 13:40
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion:168 Resp: 416705

Ion Ratio Lower Upper

168 100

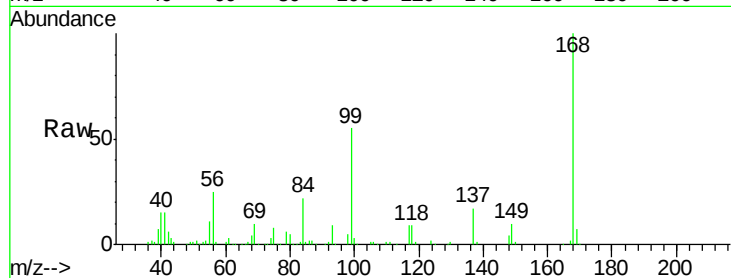
99 53.9 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

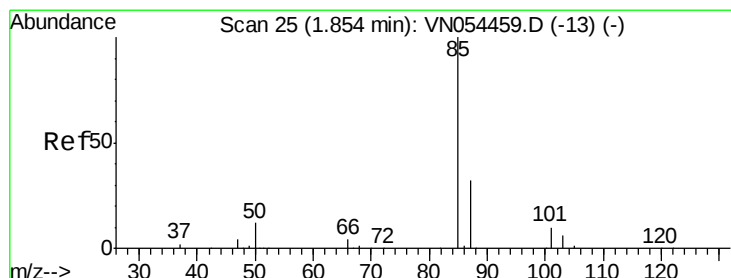
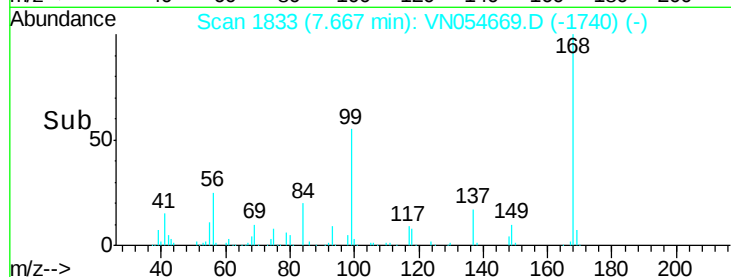
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50000

0

7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.604 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054669.D

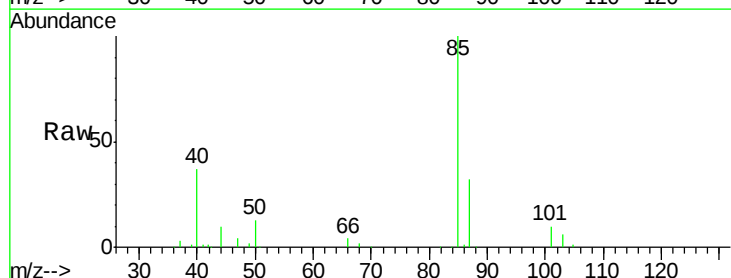
Acq: 25 Mar 2019 13:40

Tgt Ion: 85 Resp: 86063

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

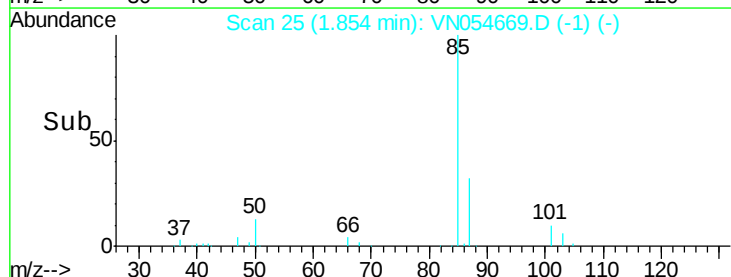
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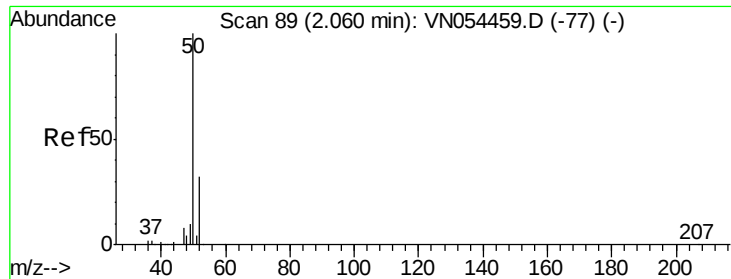
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.857 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tot Ion: 50 Resp: 118465

Ion Ratio Lower Upper

50 100

52 32.9 26.4 39.6

Instrument :

MSVOA_N

ClientSampleId :

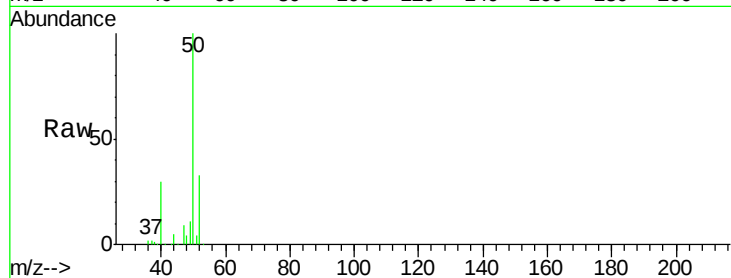
VN0325WBSD01

Manual Integrations

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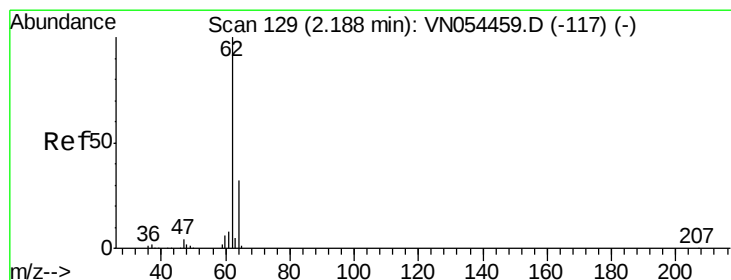
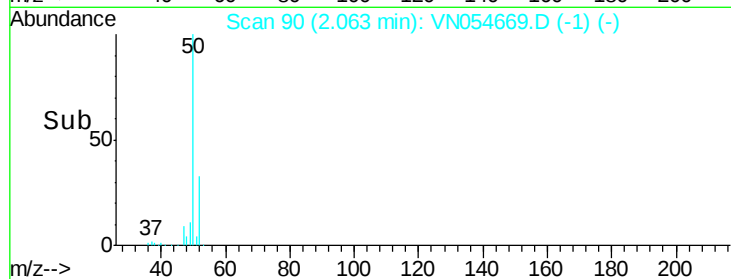
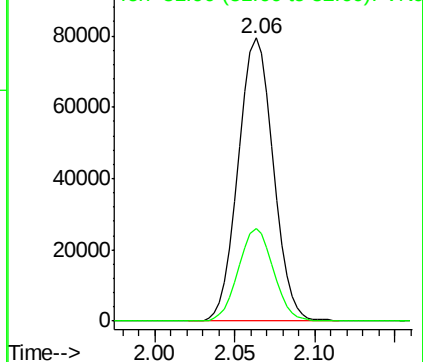
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.998 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054669.D

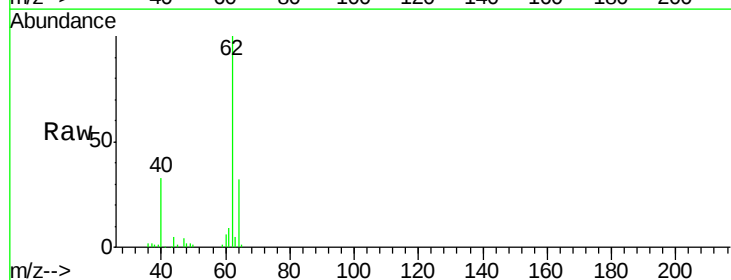
Acq: 25 Mar 2019 13:40

Tgt Ion: 62 Resp: 108824

Ion Ratio Lower Upper

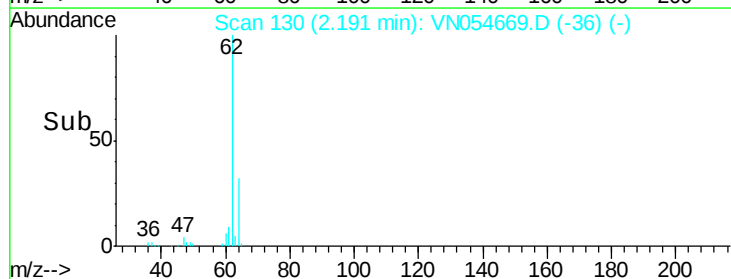
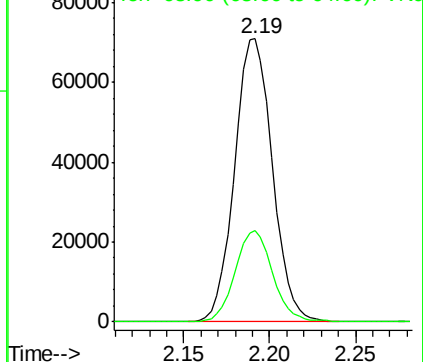
62 100

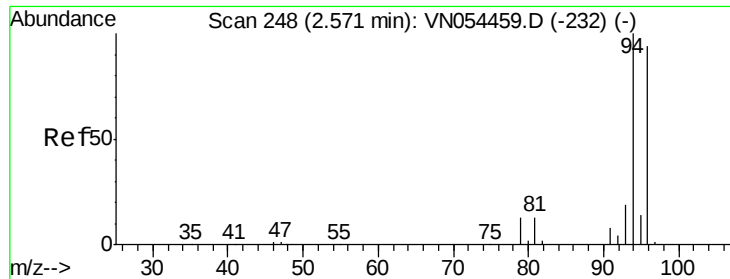
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.825 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN0325WBSD01

Tot Ion: 94 Resp: 62723

Ion Ratio Lower Upper

94 100

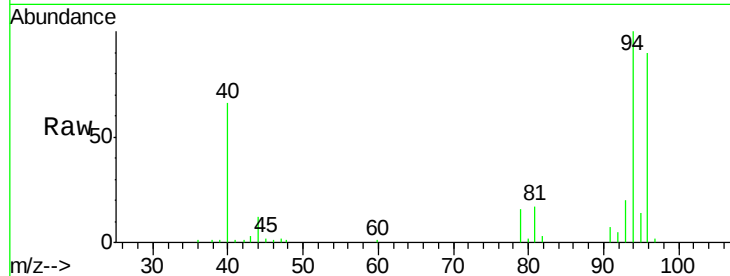
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Manual Integrations

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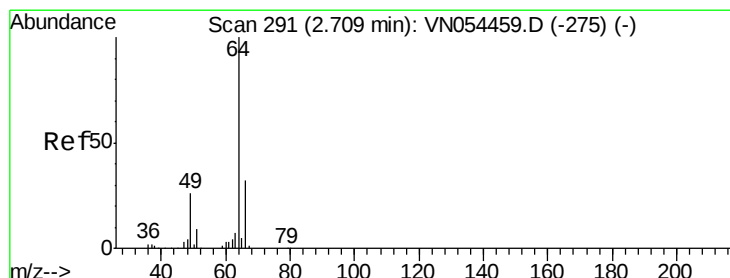
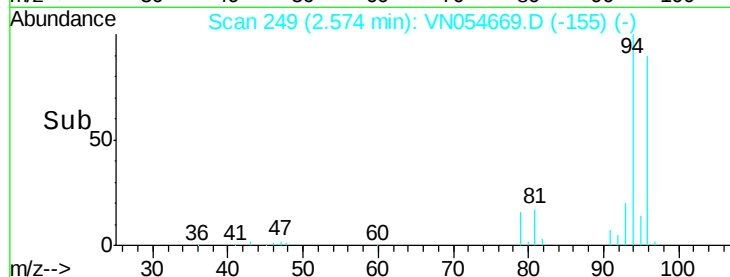
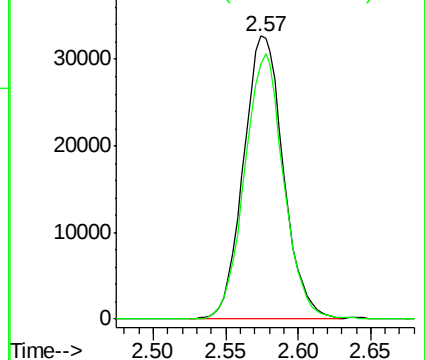
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.586 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054669.D

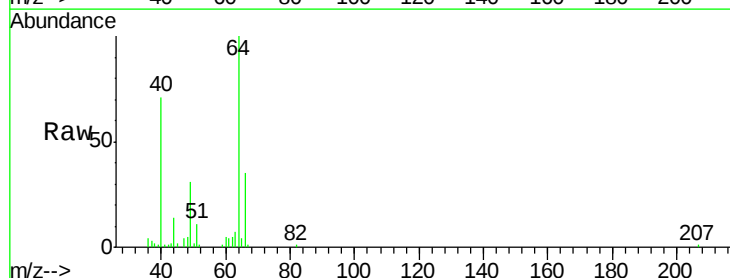
Acq: 25 Mar 2019 13:40

Tgt Ion: 64 Resp: 60663

Ion Ratio Lower Upper

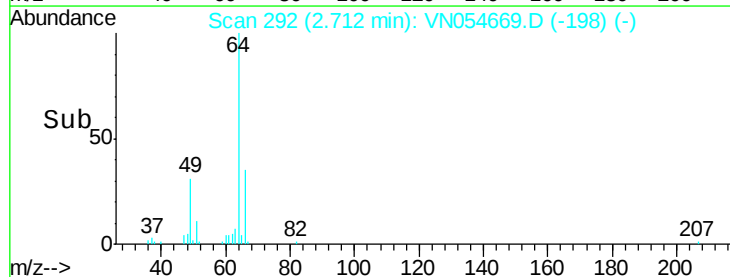
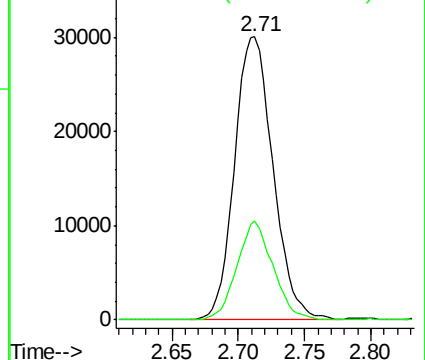
64 100

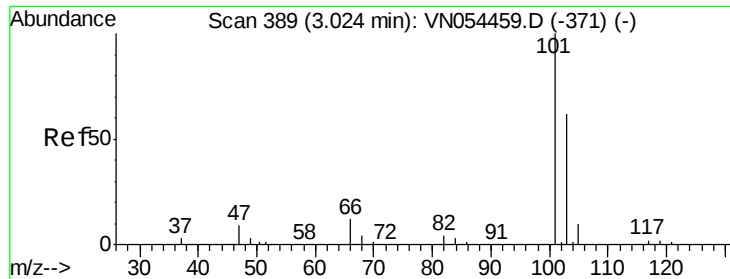
66 34.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

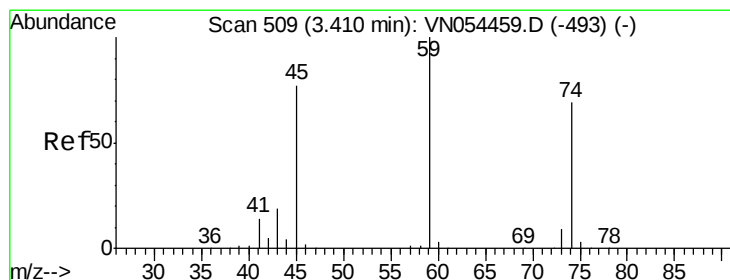
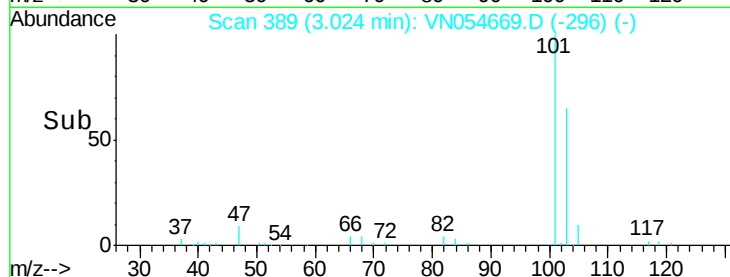
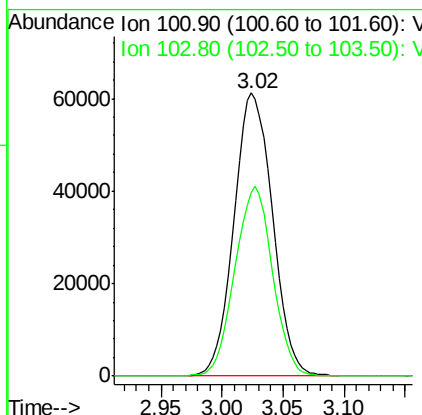
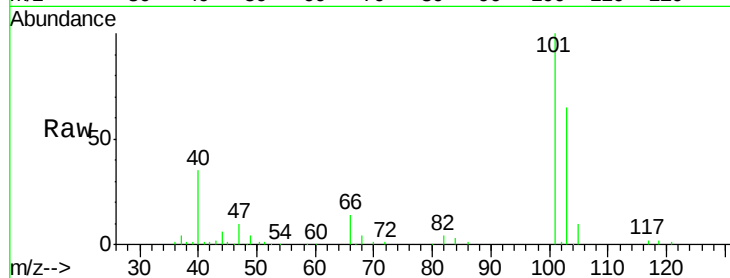
Trichlorofluoromethane
 Concen: 20.308 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

Manual Integrations
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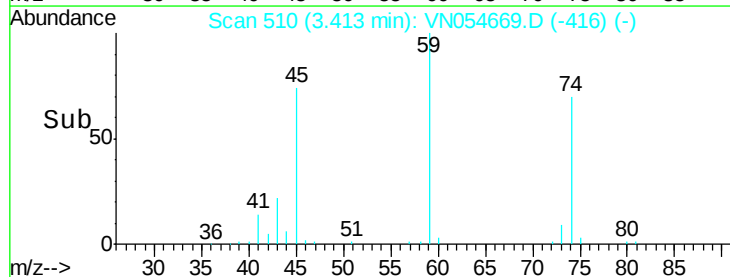
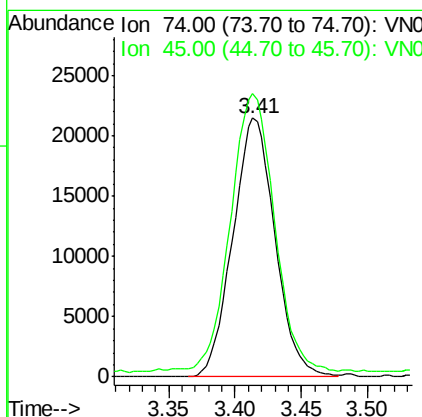
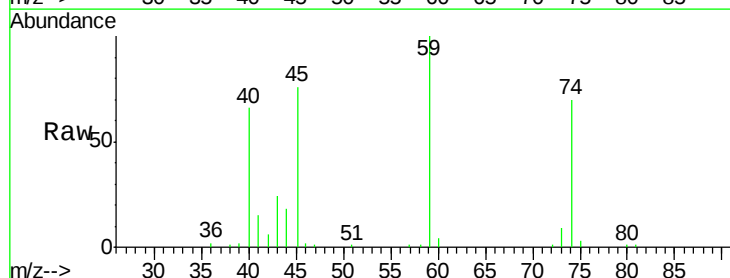
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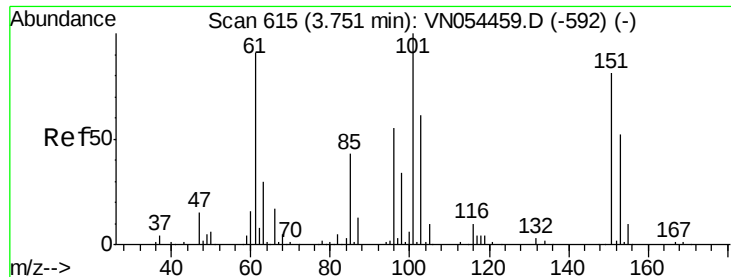


#8

Diethyl Ether
 Concen: 18.661 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.557 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

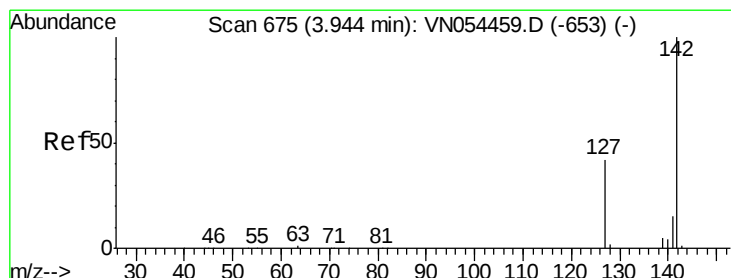
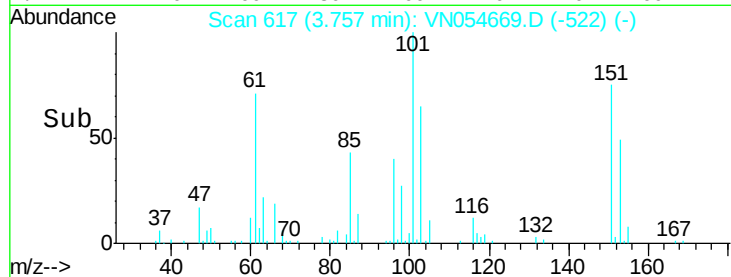
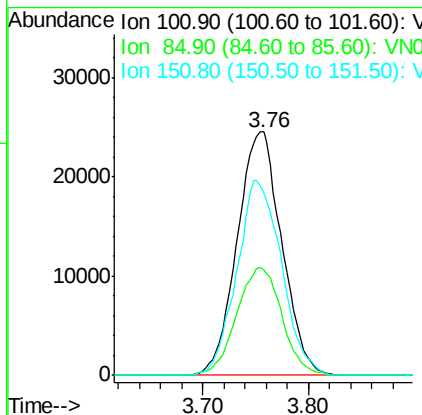
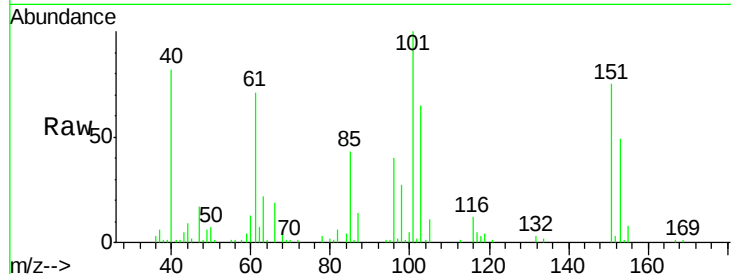
ClientSampleId :

VN0325WBSD01

Tot Ion:	101	Resp:	72073
Ion Ratio	Lower	Upper	
101	100		
85	45.0	32.4	48.6
151	80.0	68.2	102.2

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#10

Methyl Iodide

Concen: 17.724 ug/l

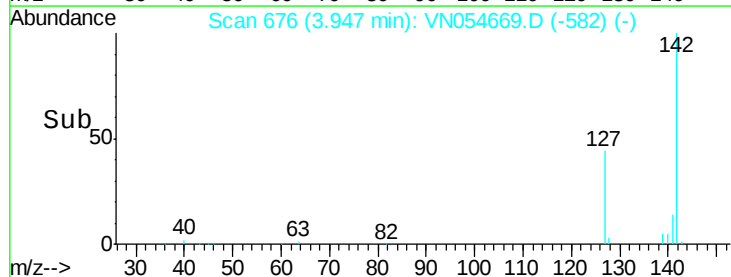
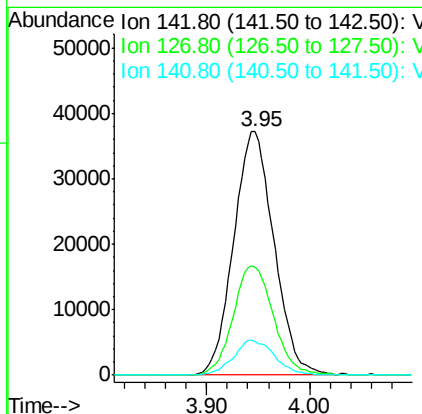
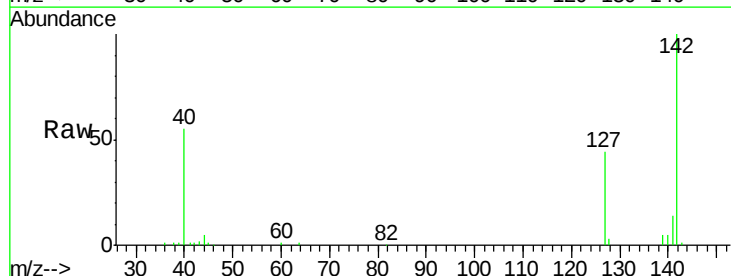
RT: 3.95 min Scan# 676

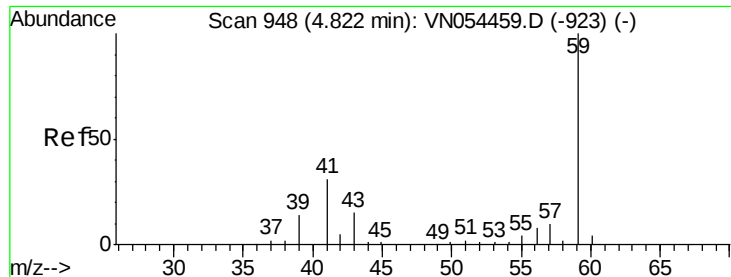
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	142	Resp:	101257
Ion Ratio	Lower	Upper	
142	100		
127	44.7	30.3	45.5
141	14.5	11.2	16.8





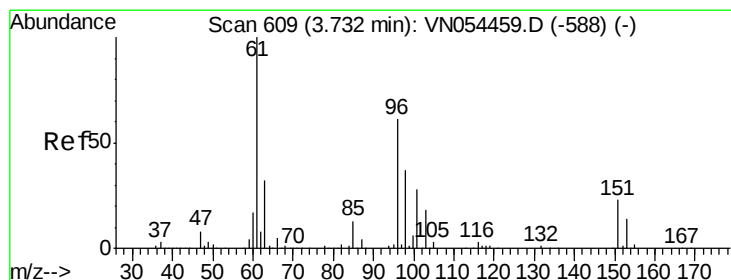
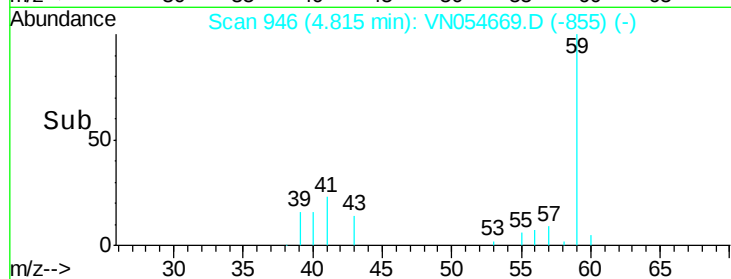
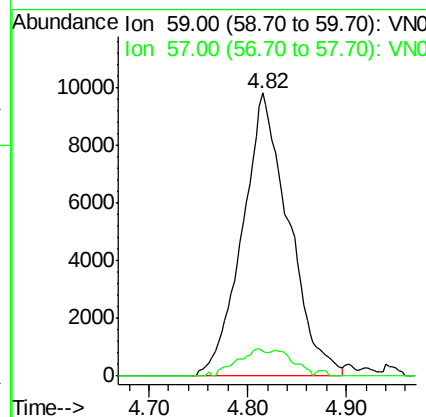
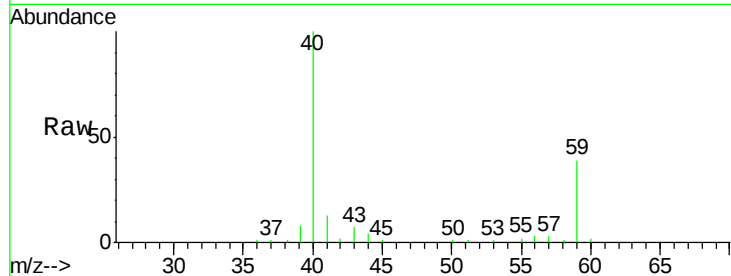
#11
Tert butyl alcohol
Concen: 101.833 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	9.0	13.6#

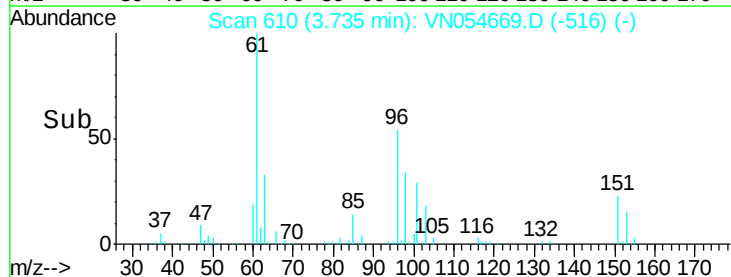
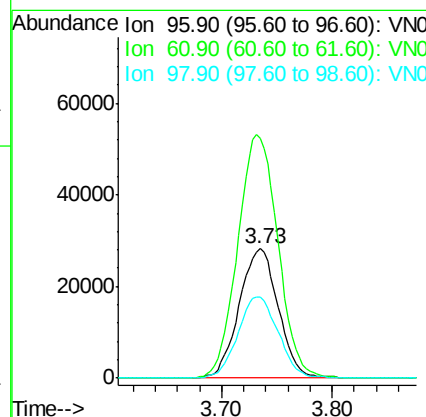
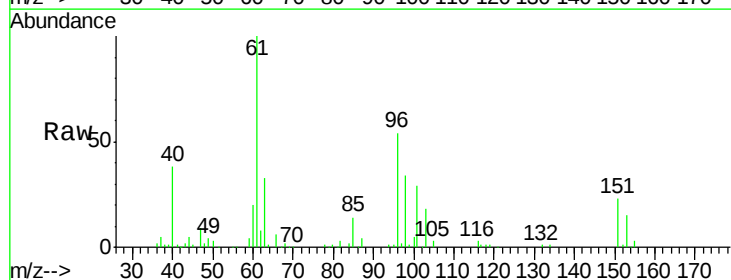
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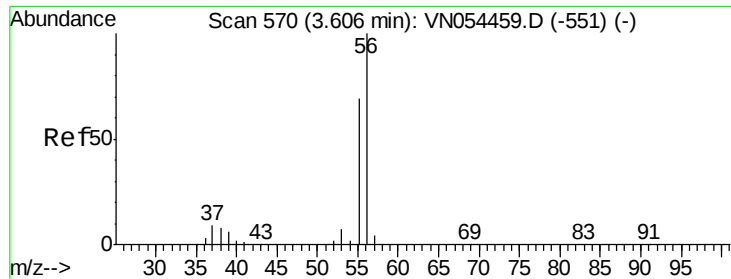
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.268 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.7	116.5	174.7#
98	62.6	51.0	76.4





#13

Acrolein

Concen: 98.098 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 56 Resp: 42481

Ion Ratio Lower Upper

56 100

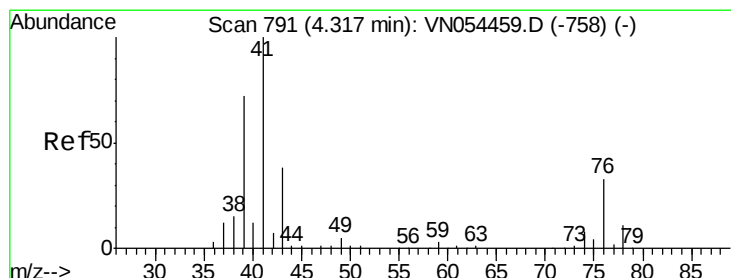
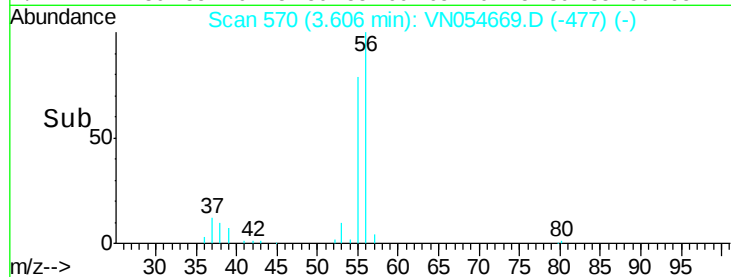
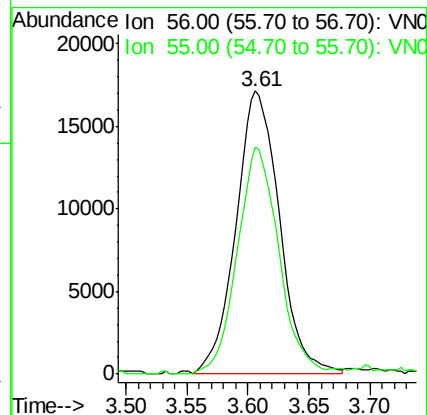
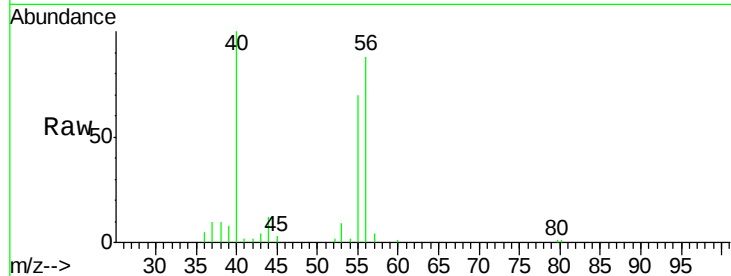
55 76.0 56.7 85.1

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#14

Allyl chloride

Concen: 21.706 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

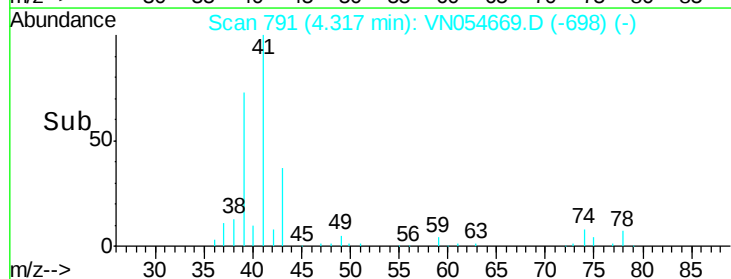
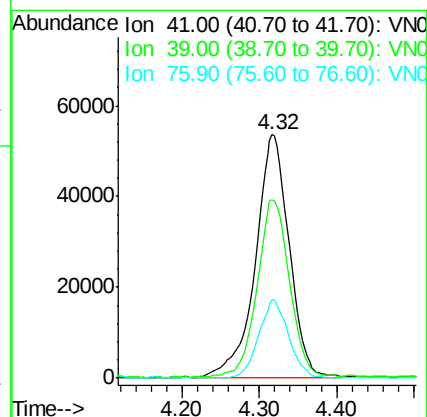
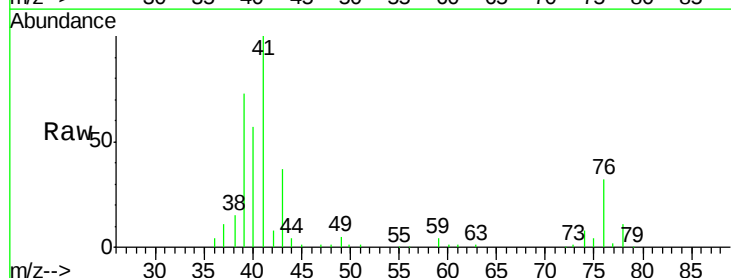
Tgt Ion: 41 Resp: 164283

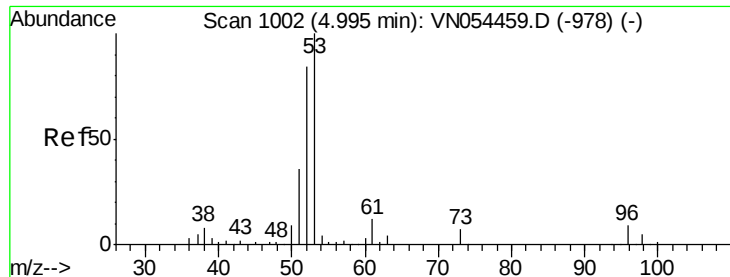
Ion Ratio Lower Upper

41 100

39 68.9 58.2 87.4

76 28.4 31.7 47.5#





#15

Acrylonitrile

Concen: 116.937 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

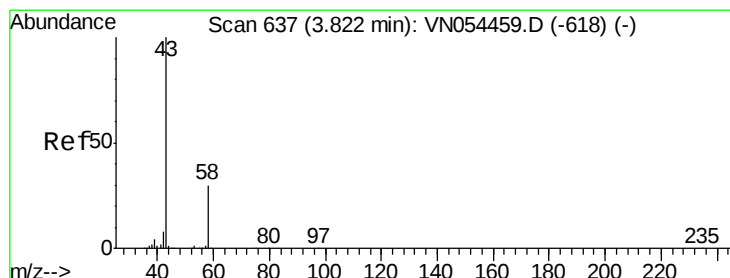
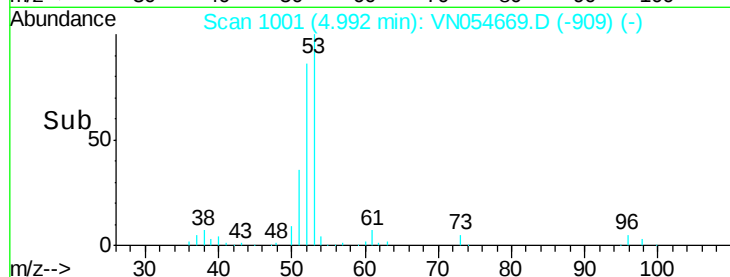
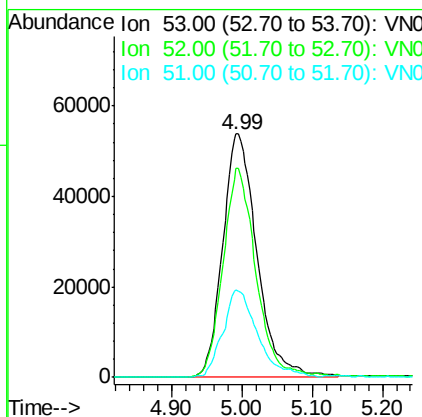
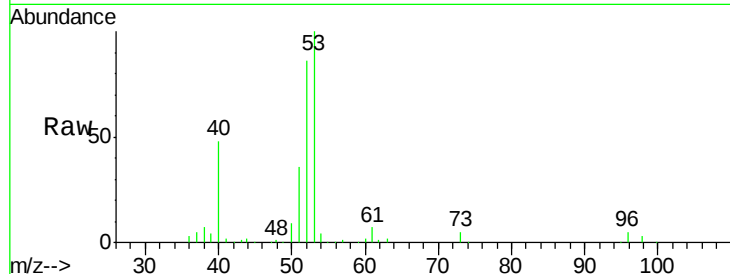
ClientSampled :

VN0325WBSD01

Tot Ion:	53	Resp:	182736
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.4	99.6
51	36.6	29.6	44.4

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#16

Acetone

Concen: 85.755 ug/l

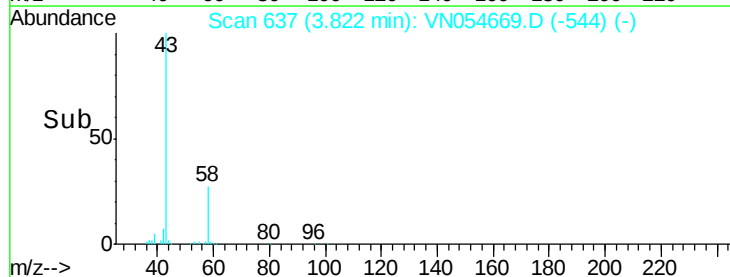
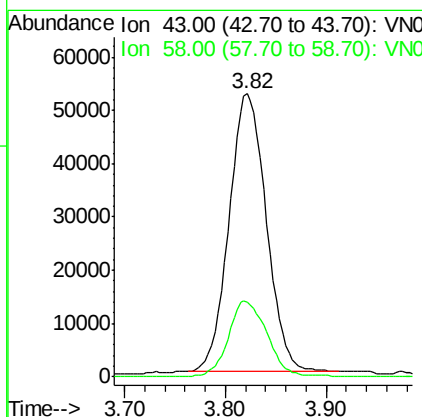
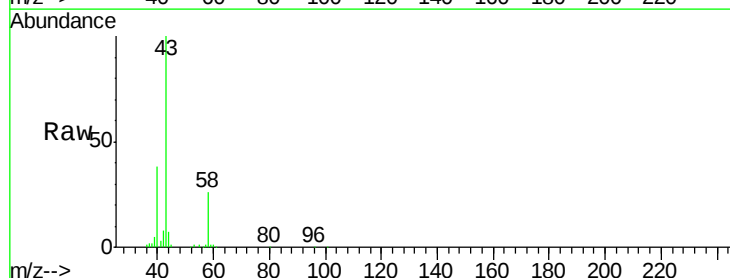
RT: 3.82 min Scan# 637

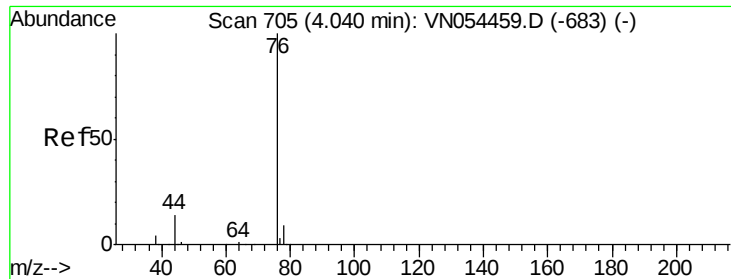
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	43	Resp:	133633
Ion Ratio	Lower	Upper	
43	100		
58	26.6	29.9	44.9#





#17

Carbon Disulfide

Concen: 17.456 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 76 Resp: 187984

Ion Ratio Lower Upper

76 100

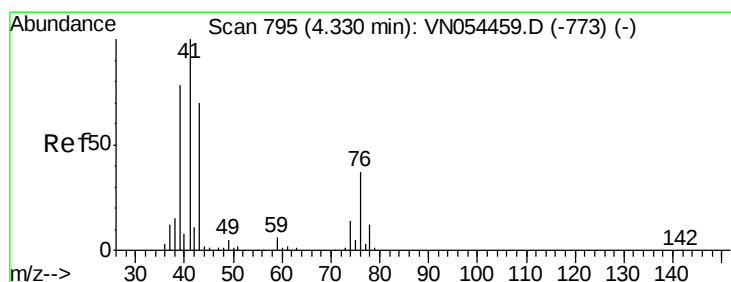
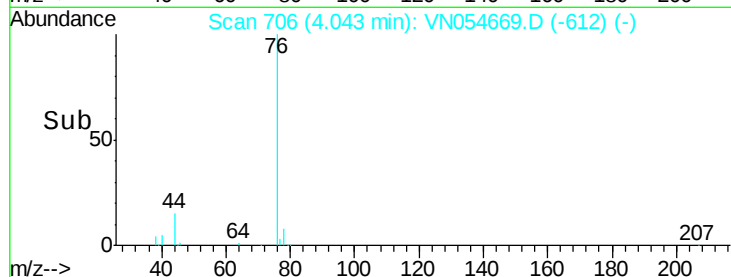
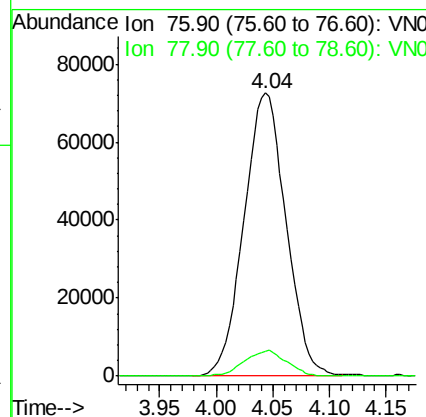
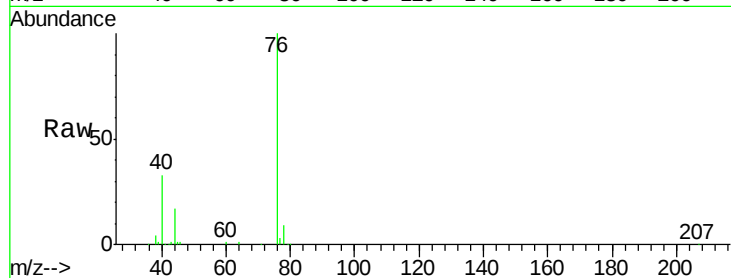
78 8.9 7.5 11.3

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#18

Methyl Acetate

Concen: 23.712 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054669.D

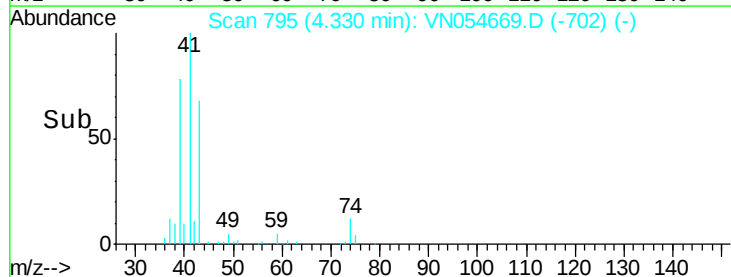
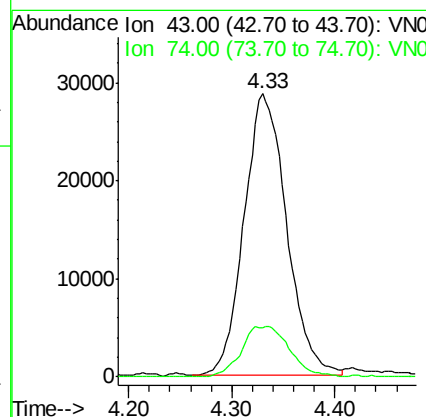
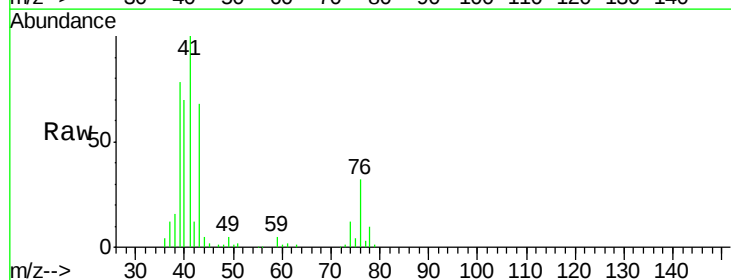
Acq: 25 Mar 2019 13:40

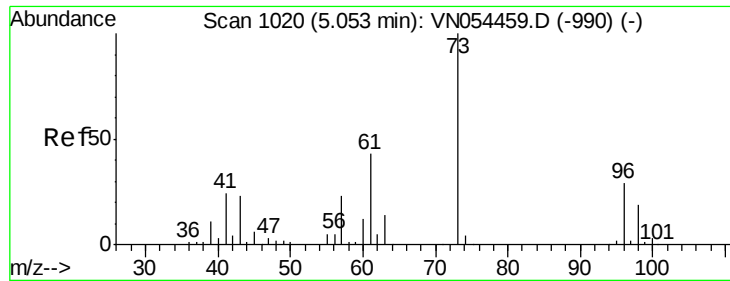
Tgt Ion: 43 Resp: 82360

Ion Ratio Lower Upper

43 100

74 20.2 20.8 31.2#





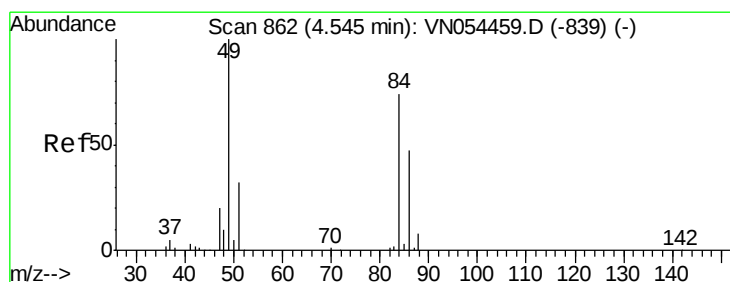
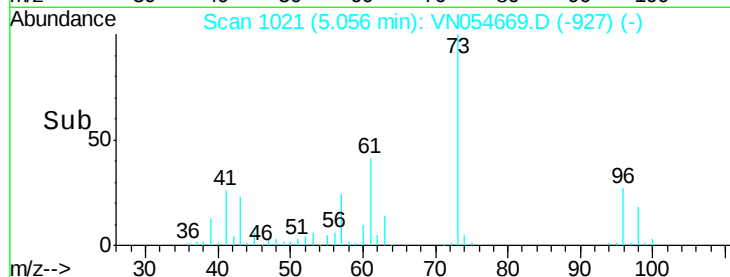
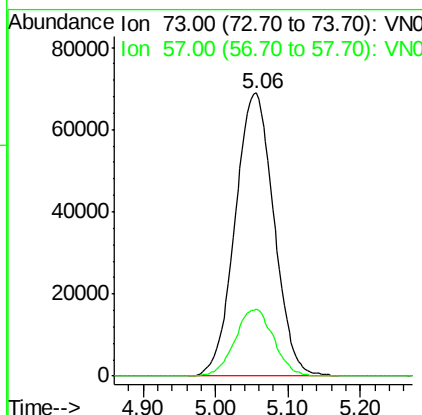
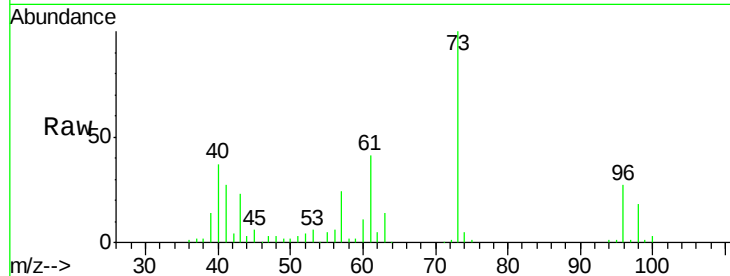
#19
Methvl tert-butvl Ether
Concen: 21.837 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion: 73 Resp: 256148
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

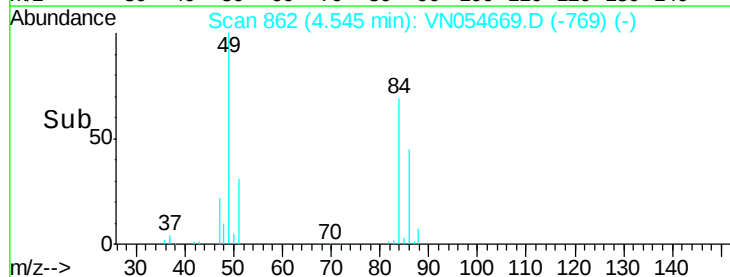
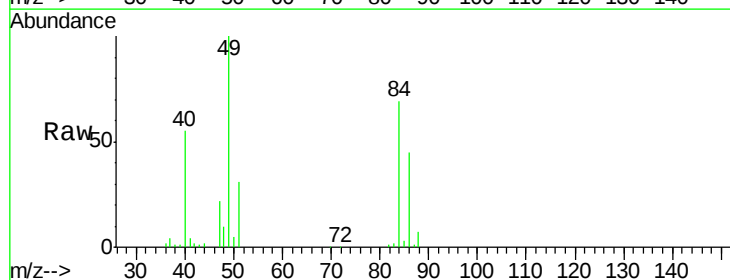
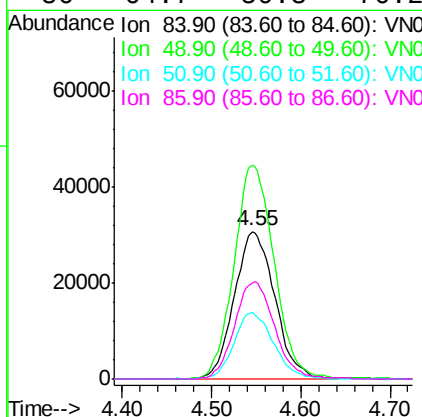
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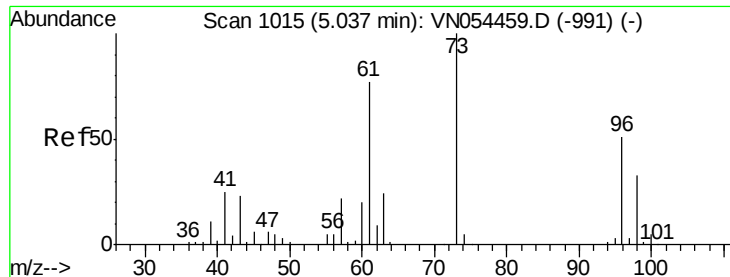
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#20
Methylene Chloride
Concen: 21.137 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion: 84 Resp: 97097
Ion Ratio Lower Upper
84 100
49 144.8 89.7 134.5#
51 44.8 28.2 42.4#
86 64.7 50.8 76.2





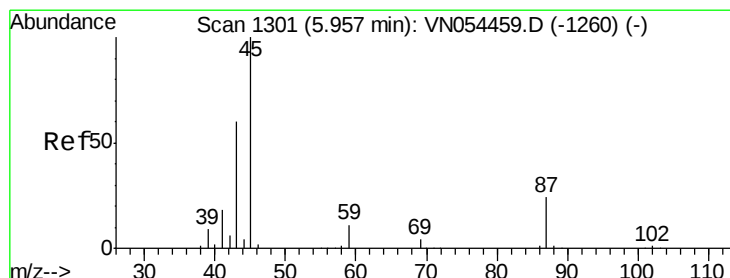
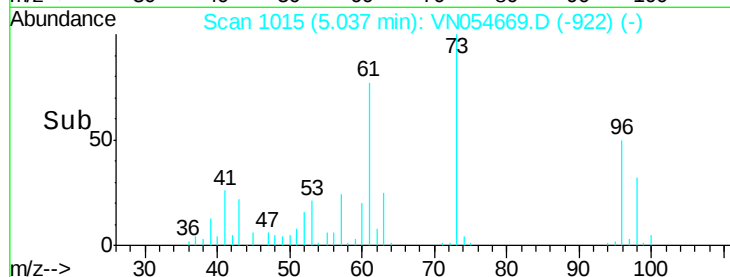
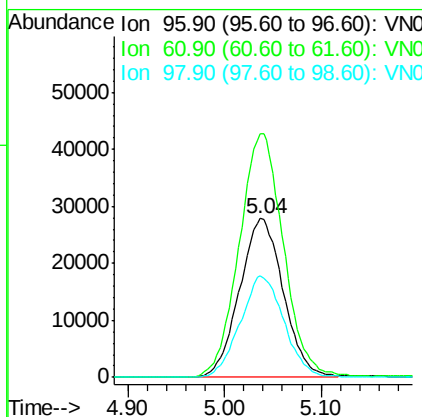
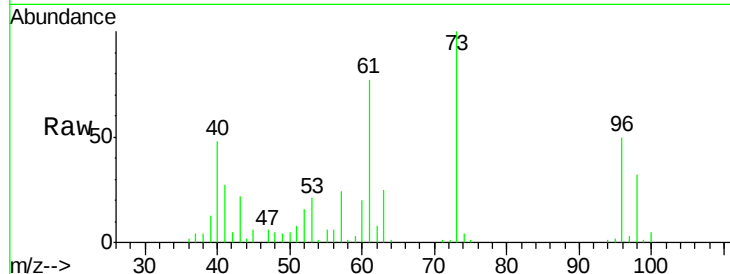
#21
trans-1,2-Dichloroethene
Concen: 21.311 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	102.8	154.2
98	63.9	50.0	75.0

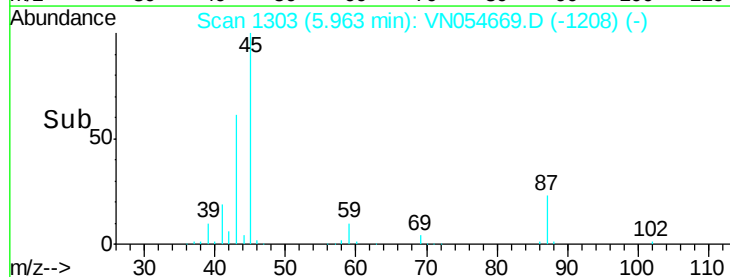
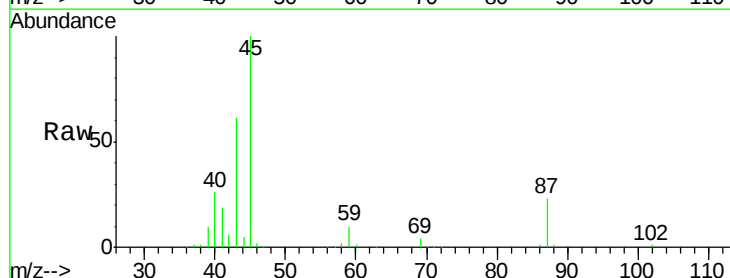
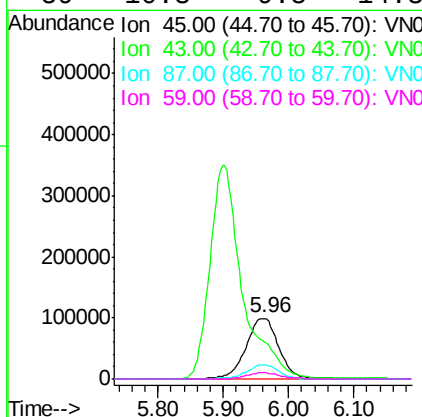
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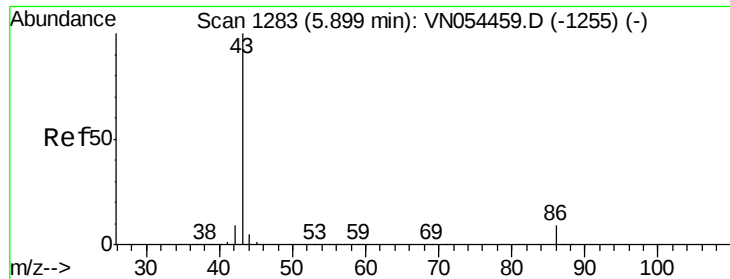
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#22
Diisopropyl ether
Concen: 23.269 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	48.2	72.2
87	23.1	24.9	37.3
59	10.3	9.5	14.3





#23

Vinyl Acetate

Concen: 115.049 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 43 Resp: 1213050

Ion Ratio Lower Upper

43 100

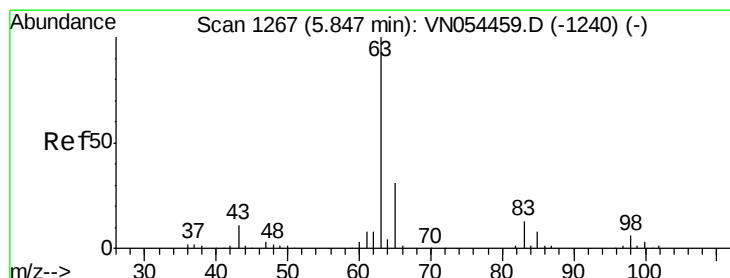
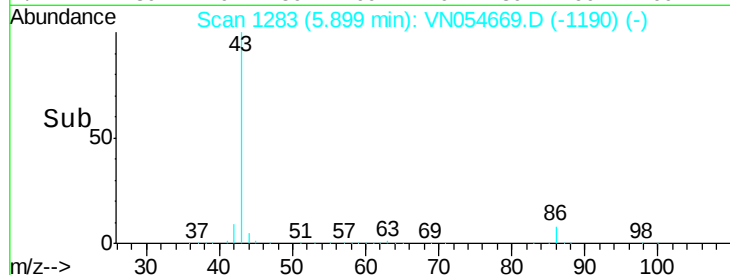
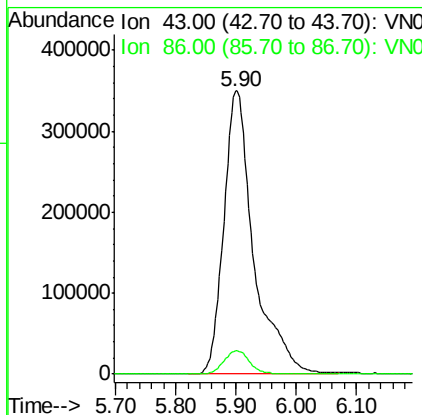
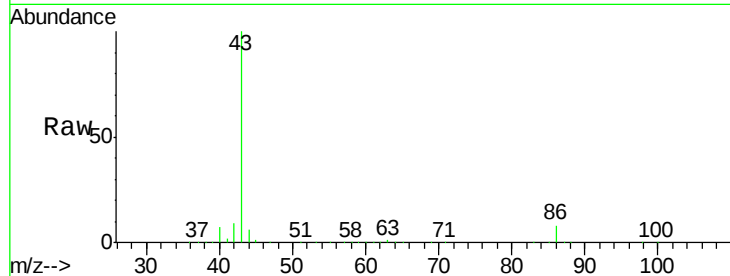
86 8.1 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 22.568 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

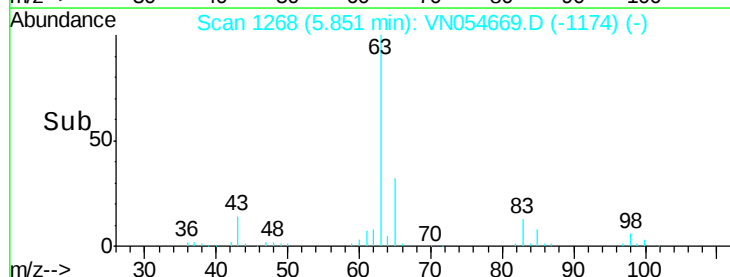
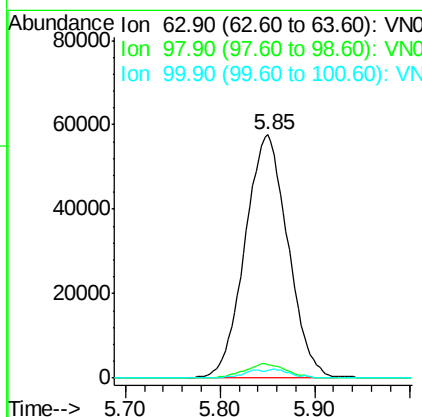
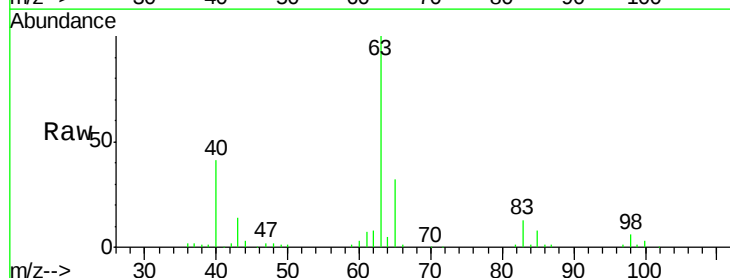
Tgt Ion: 63 Resp: 181408

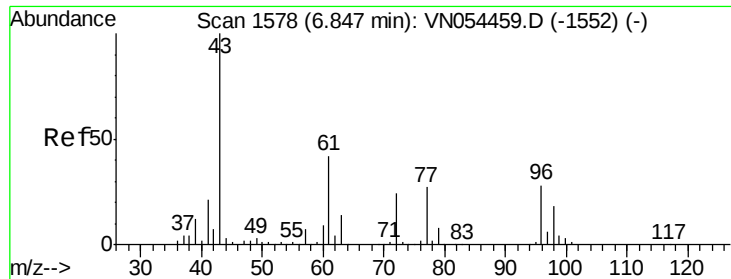
Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

100 3.2 2.0 6.0





#25

2-Butanone

Concen: 111.183 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 43 Resp: 221944

Ion Ratio Lower Upper

43 100

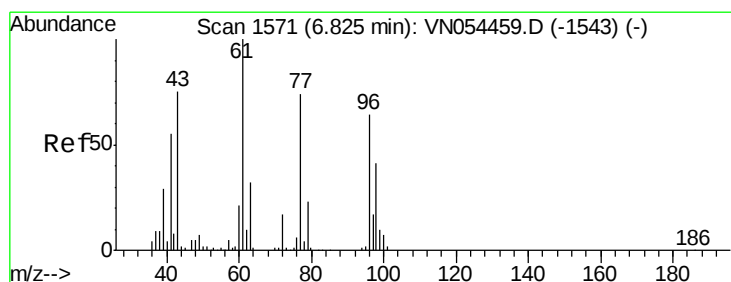
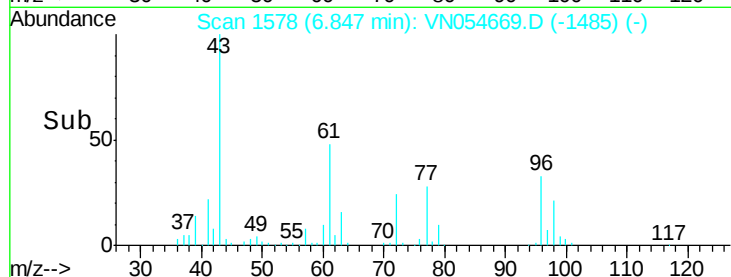
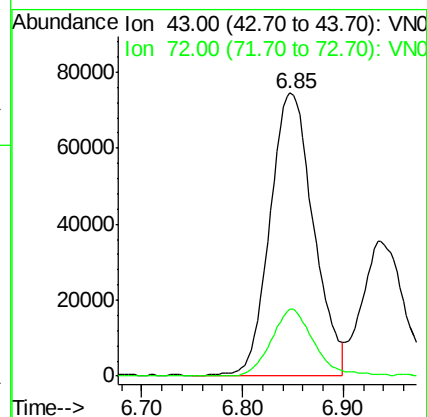
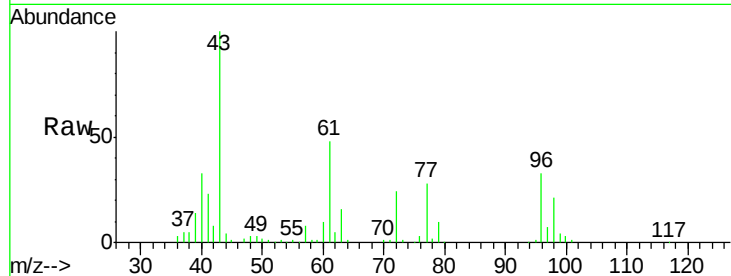
72 24.0 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 20.270 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054669.D

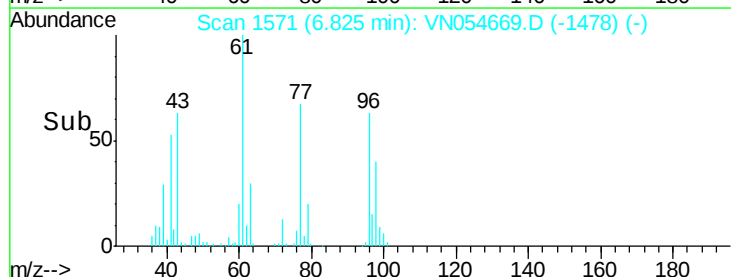
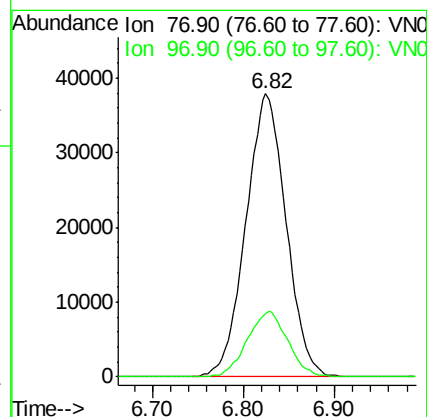
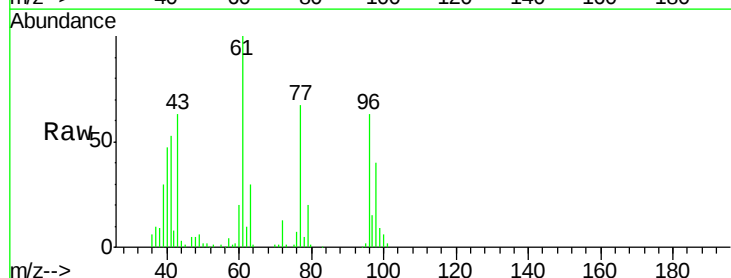
Acq: 25 Mar 2019 13:40

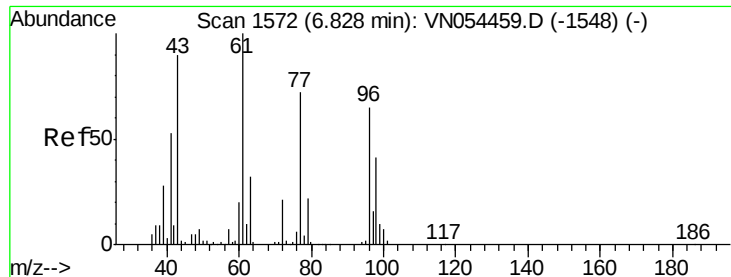
Tgt Ion: 77 Resp: 116145

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.494 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

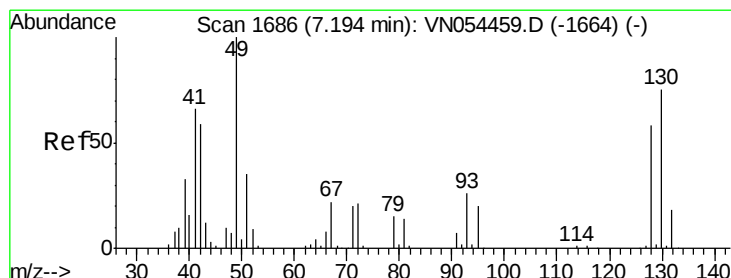
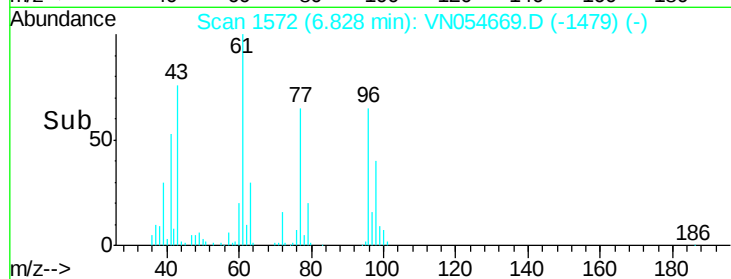
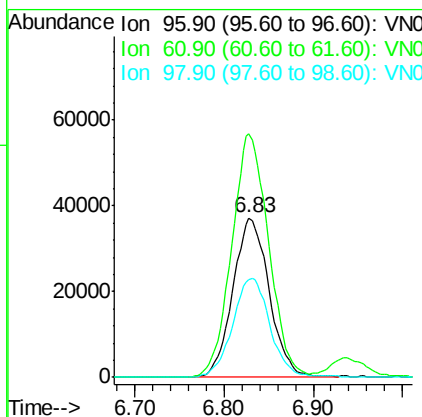
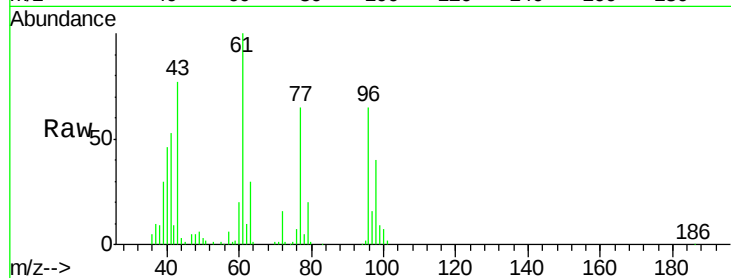
ClientSampleId :

VN0325WBSD01

Tot Ion:	96	Resp:	105218
Ion Ratio	Lower	Upper	
96	100		
61	154.6	0.0	273.0
98	64.1	0.0	130.6

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#28

Bromochloromethane

Concen: 23.640 ug/l

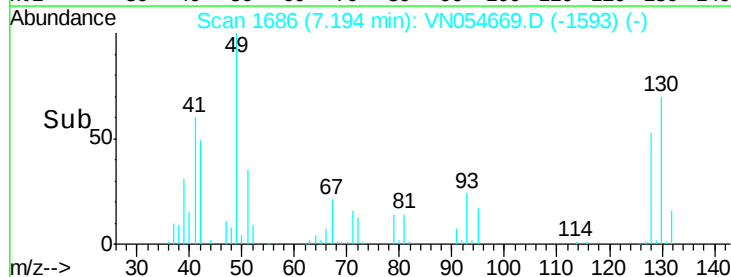
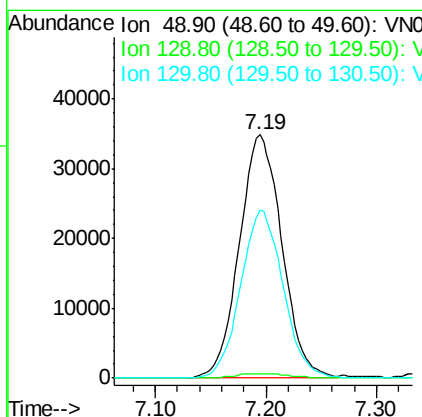
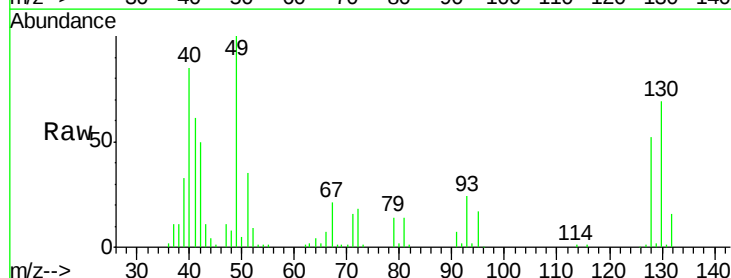
RT: 7.19 min Scan# 1686

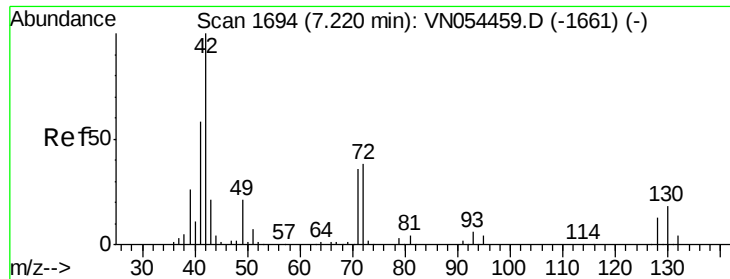
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	49	Resp:	93531
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	4.6
130	68.6	76.7	115.1#





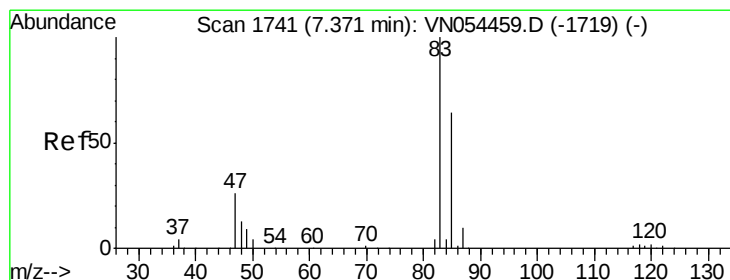
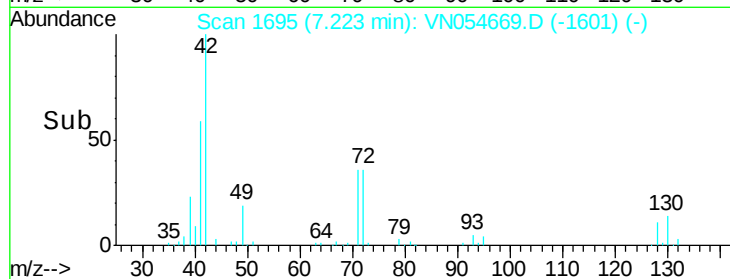
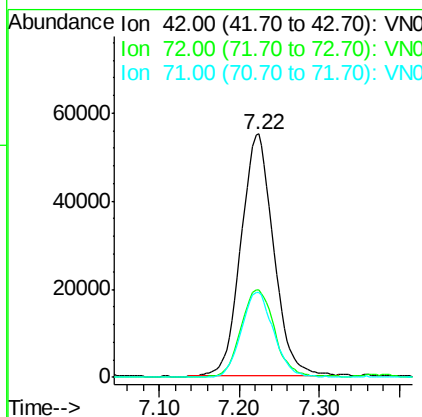
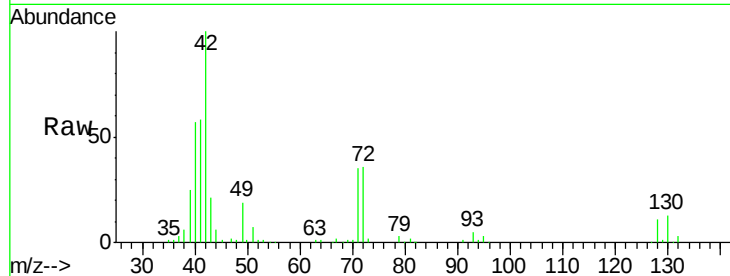
#29
Tetrahydrofuran
Concen: 117.794 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	37.8	56.6#
71	34.5	36.2	54.2#

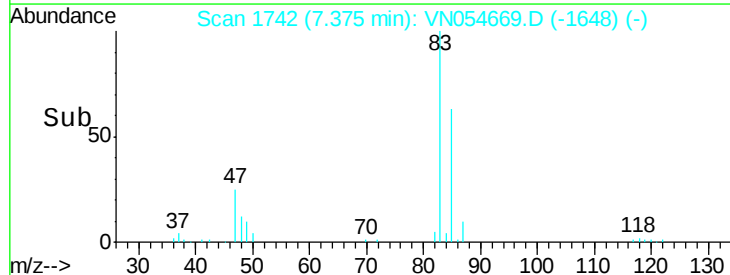
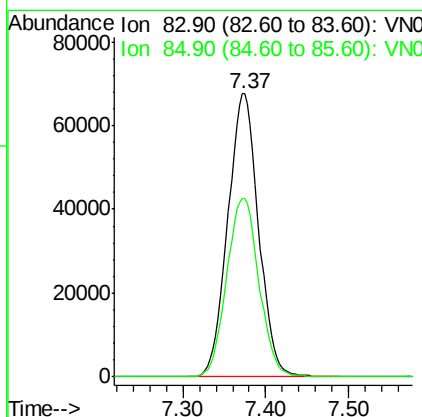
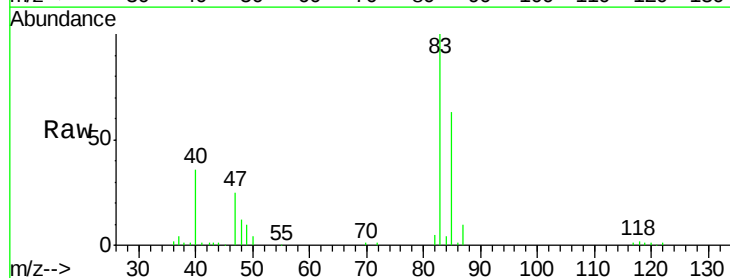
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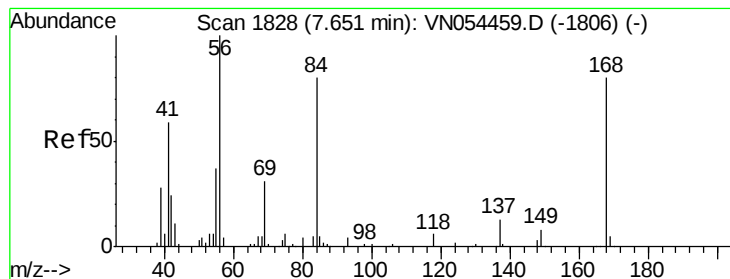
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#30
Chloroform
Concen: 22.275 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4





#31

Cyclohexane

Concen: 20.957 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 56 Resp: 169728

Ion Ratio Lower Upper

56 100

69 33.1 27.8 41.6

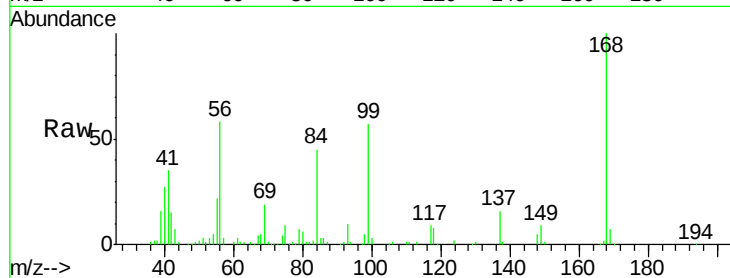
84 76.3 74.6 111.8

Manual Integrations

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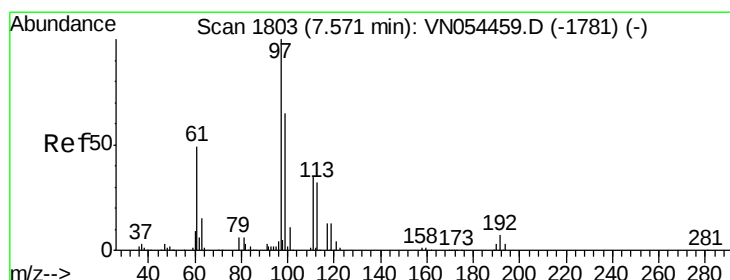
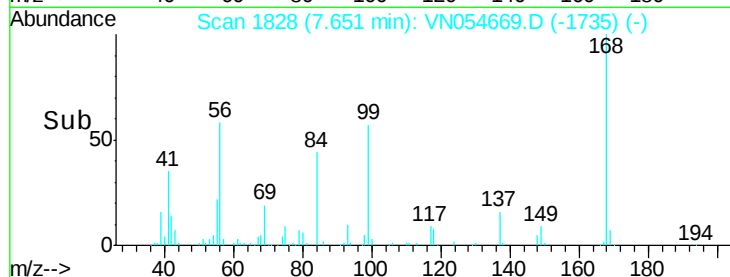
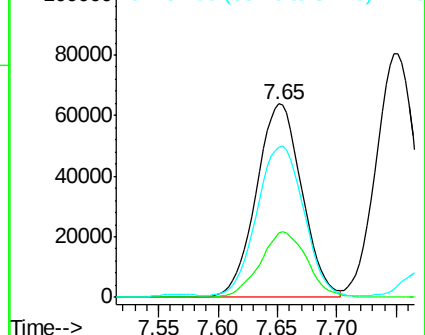
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 21.990 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

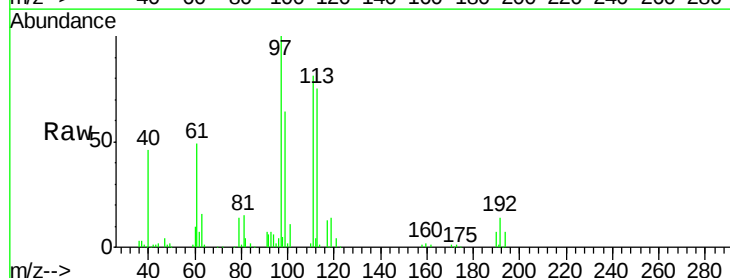
Tgt Ion: 97 Resp: 142317

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

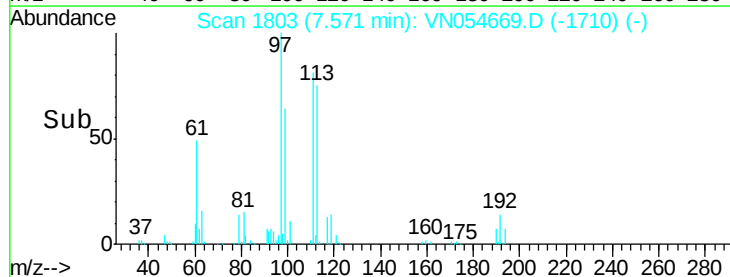
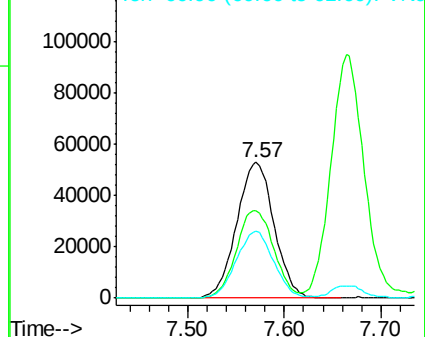
61 49.2 33.6 50.4

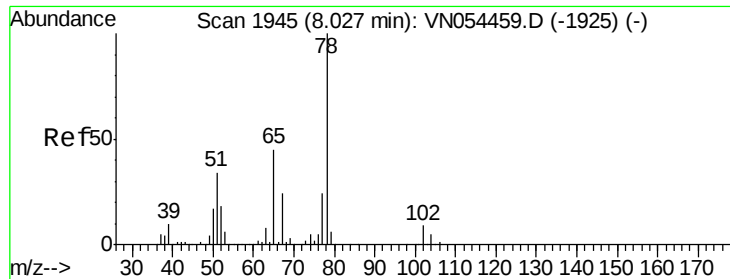


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





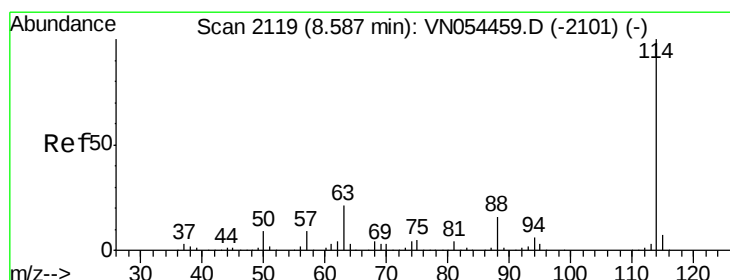
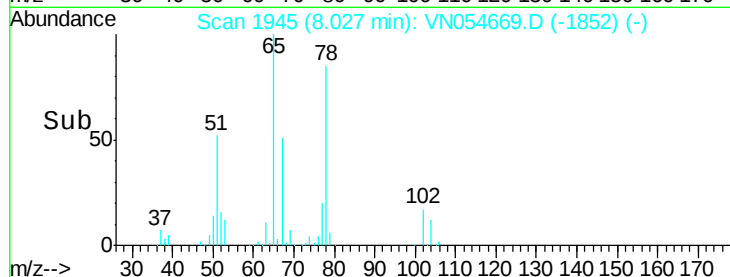
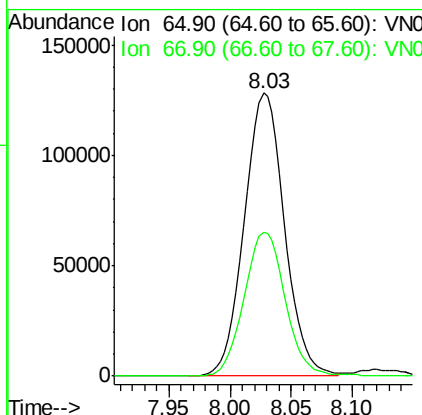
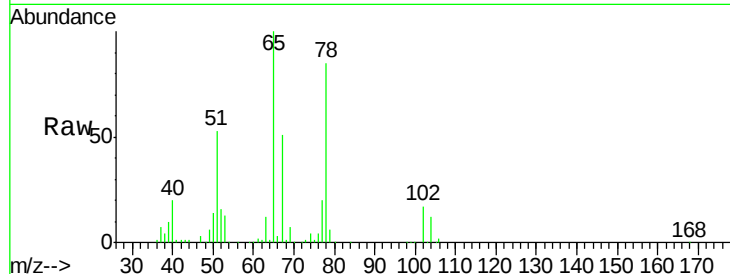
#33
 1,2-Dichloroethane-d4
 Concen: 56.292 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291772		
67	52.2	0.0	104.6	

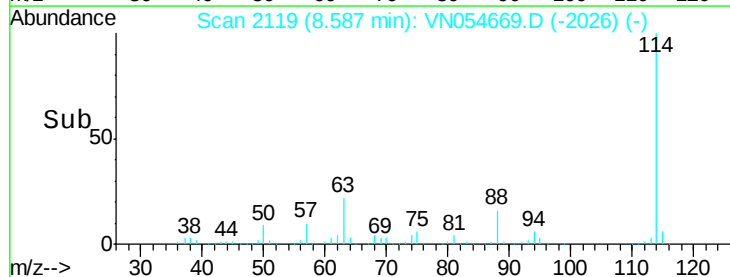
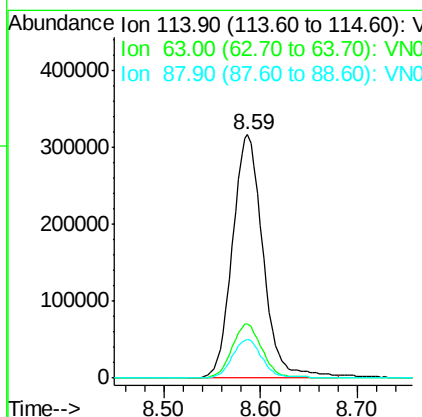
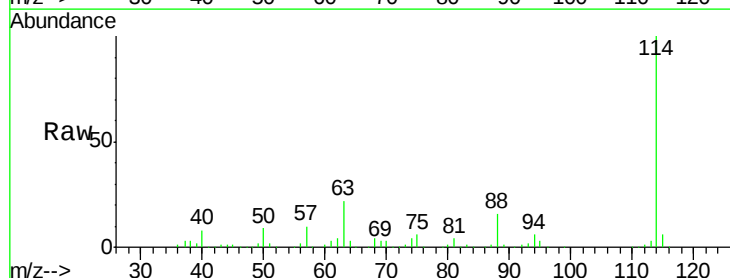
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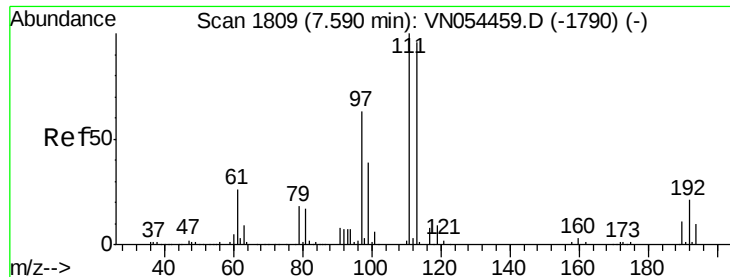
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	695913		
63	22.1	0.0	35.2	
88	15.9	0.0	30.2	





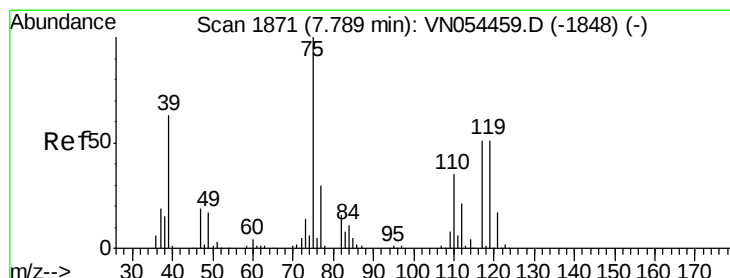
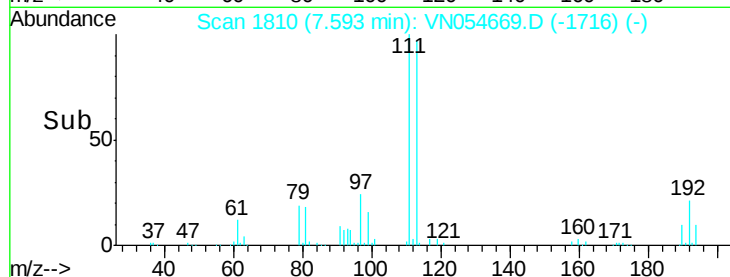
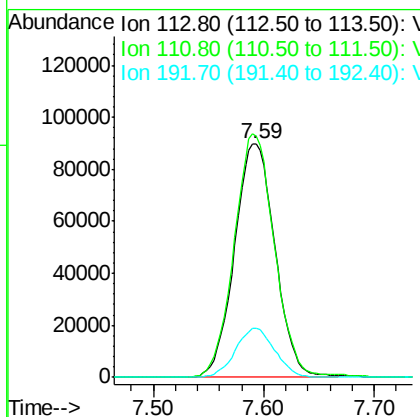
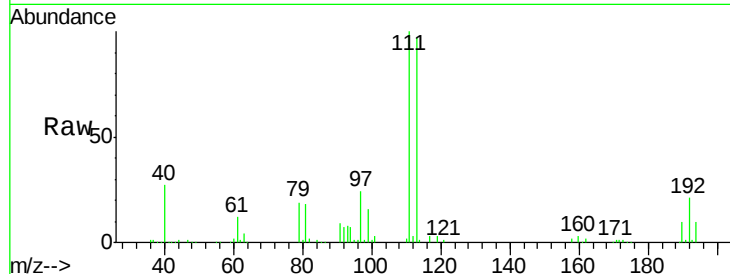
#35
 Dibromofluoromethane
 Concen: 51.052 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	82.2	123.4	
192	20.3	19.2	28.8	

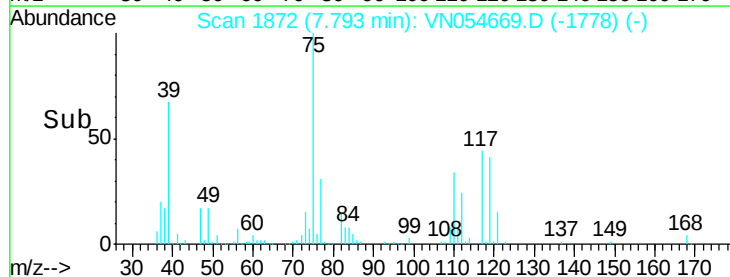
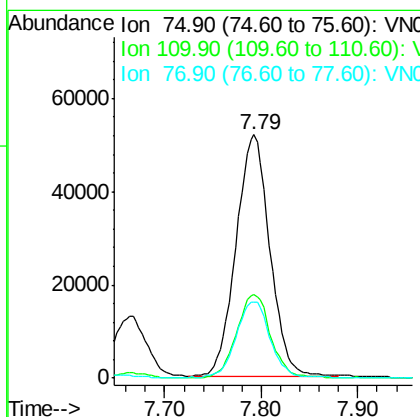
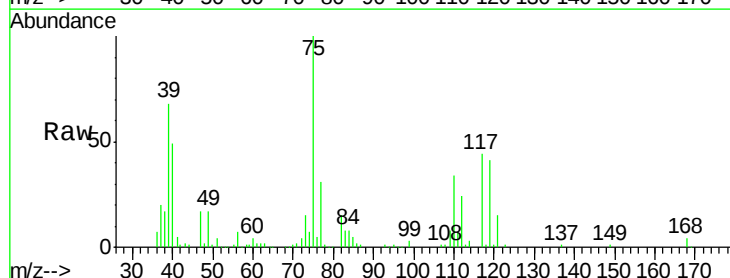
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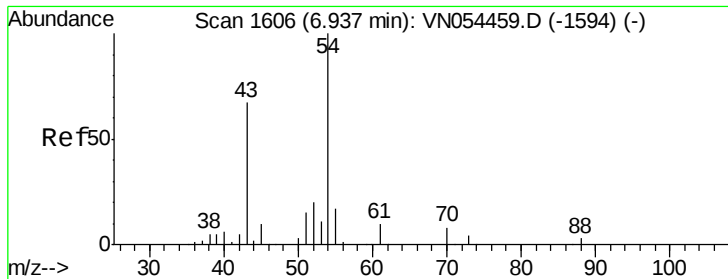
MMDadoda
 3/26/2019 12:33:05 PM



#36
 1,1-Dichloropropene
 Concen: 19.472 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	19.1	57.5	
77	30.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 21.225 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

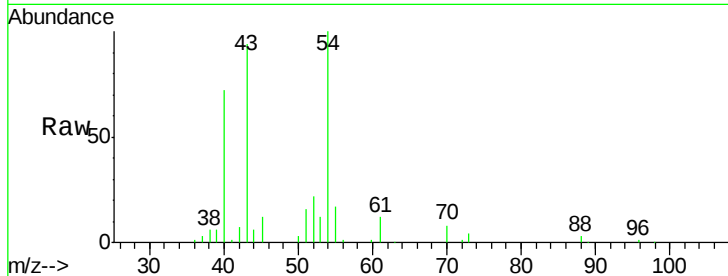
ClientSampleID :

VN0325WBSD01

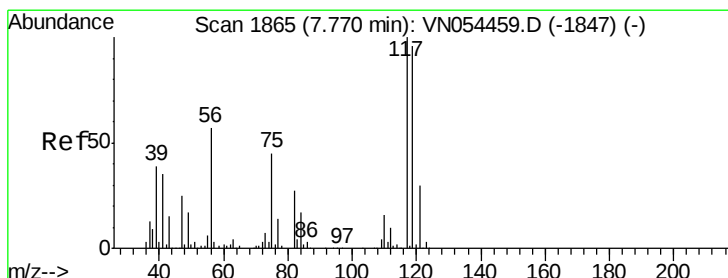
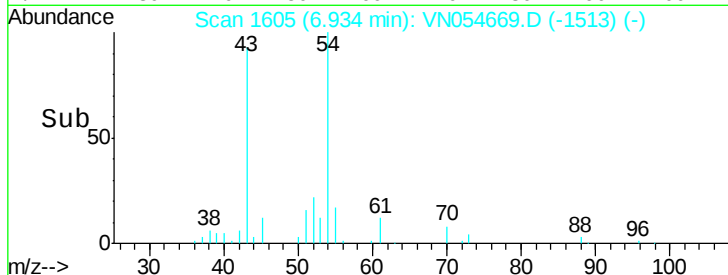
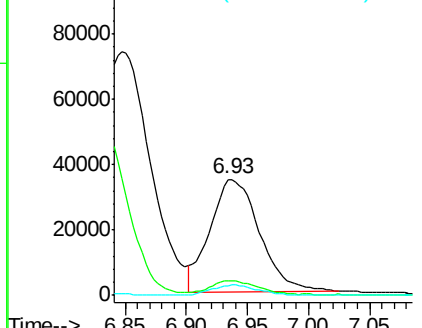
Tot Ion:	43	Resp:	98227
Ion	Ratio	Lower	Upper
43	100		
61	11.5	11.8	17.6#
70	8.3	8.4	12.6#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1594) (-)



#38

Carbon Tetrachloride

Concen: 19.267 ug/l

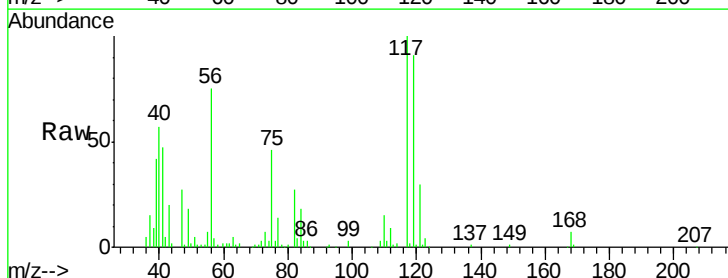
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

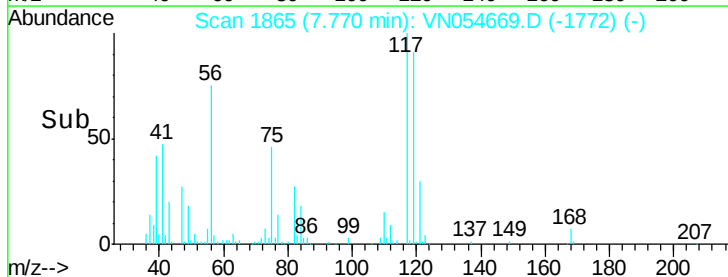
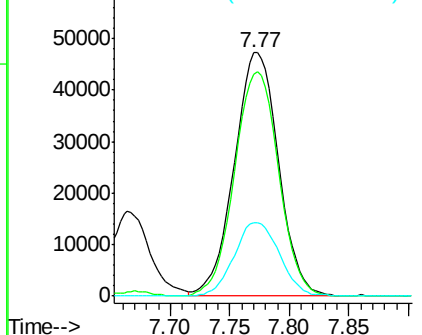
Lab File: VN054669.D

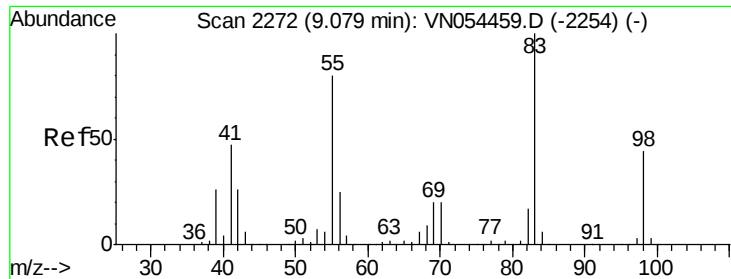
Acq: 25 Mar 2019 13:40

Tgt Ion:	117	Resp:	121829
Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.3	114.5
121	30.3	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)





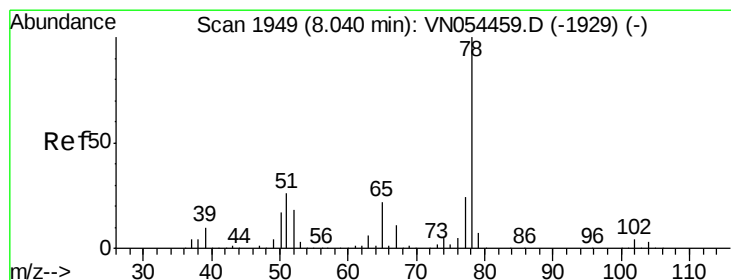
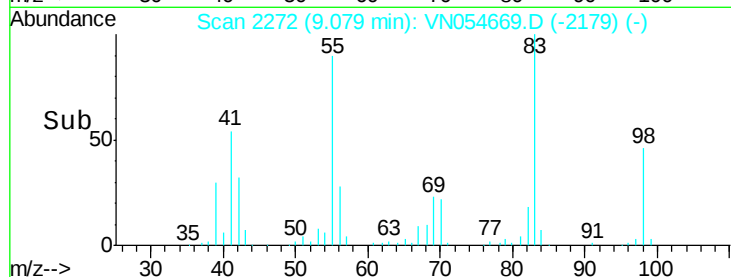
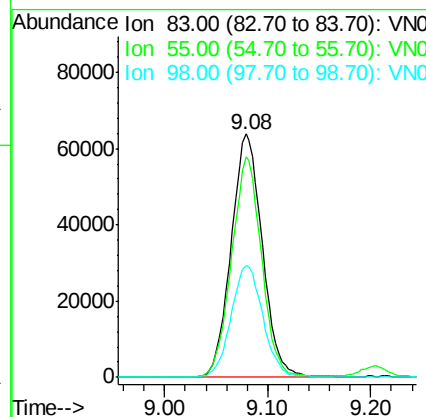
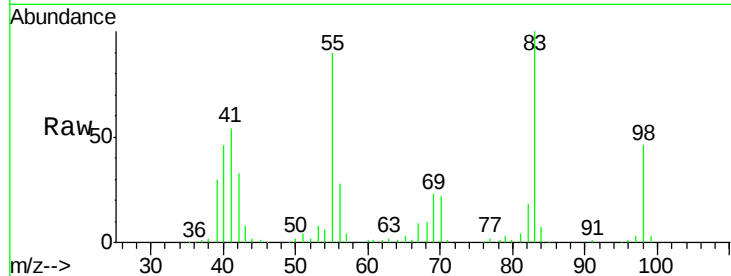
#39
Methvlcvclohexane
Concen: 18.122 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.0	56.6	84.8#
98	45.9	38.4	57.6

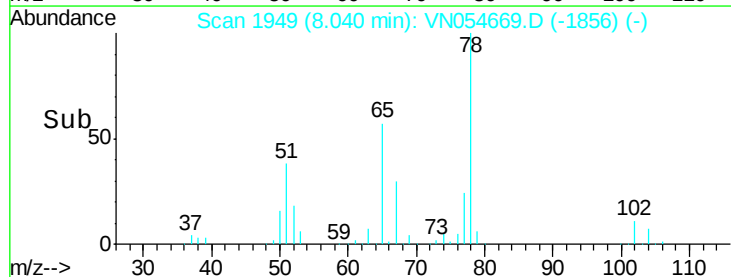
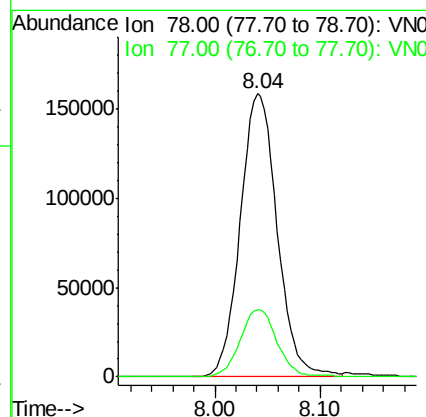
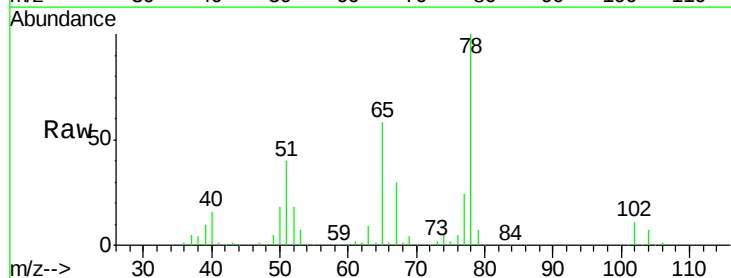
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#40
Benzene
Concen: 20.739 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





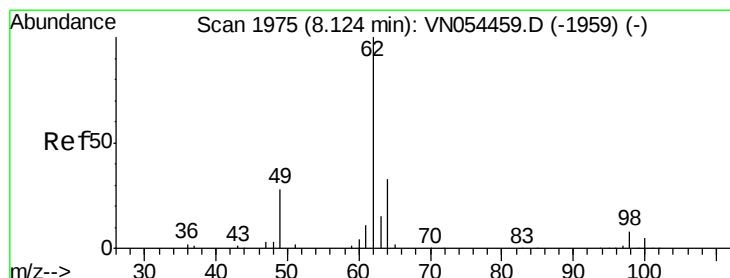
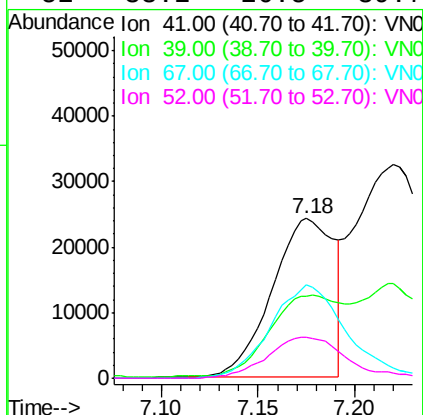
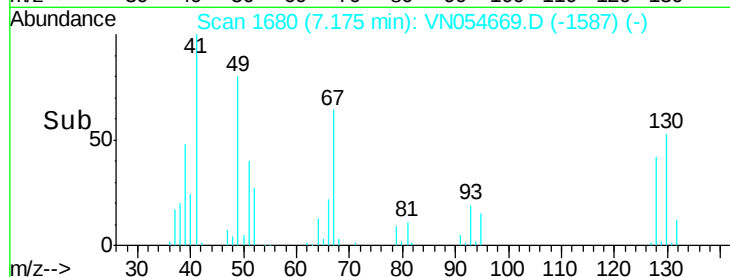
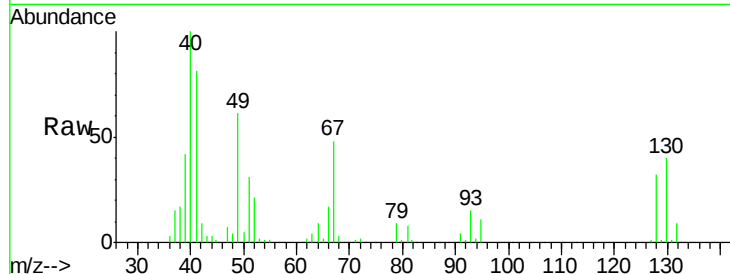
#41
Methacrylonitrile
Concen: 19.072 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion:	41	Resp:	53829
Ion Ratio	Lower	Upper	
41	100		
39	57.3	46.8	70.2
67	73.0	67.0	100.4
52	33.2	26.5	39.7

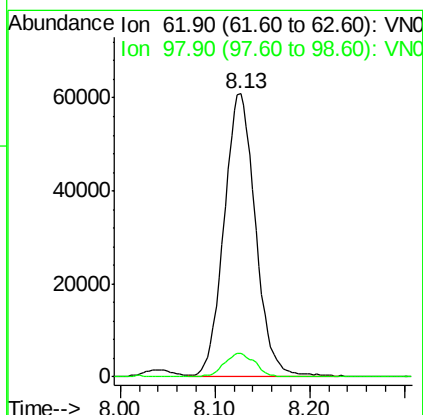
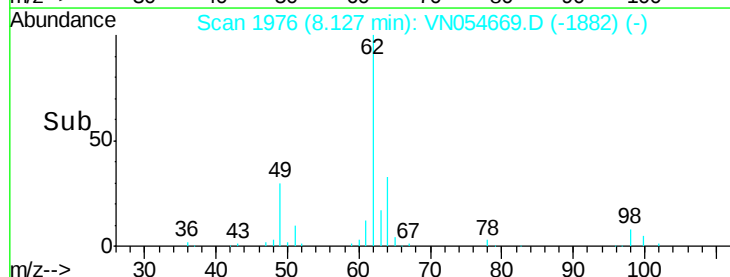
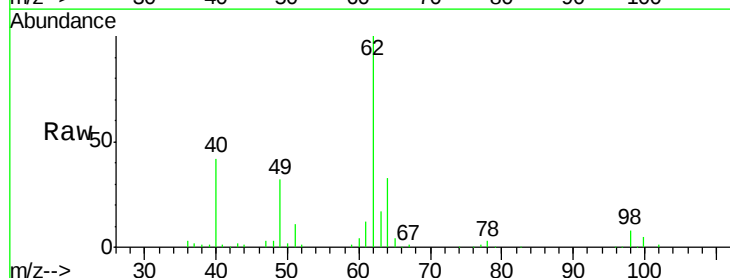
Manual Integrations
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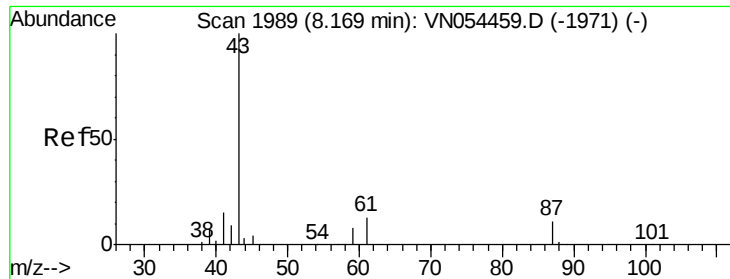
MMDadoda
3/26/2019 12:33:05 PM



#42
1,2-Dichloroethane
Concen: 20.650 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion:	62	Resp:	139930
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	18.4





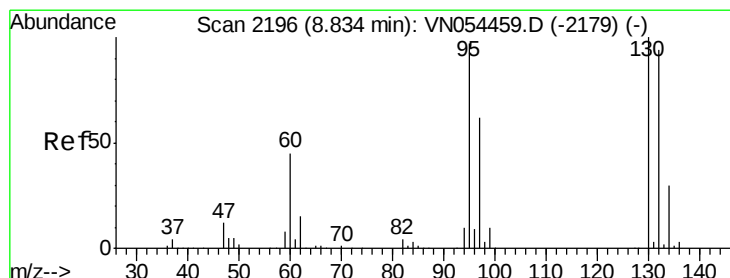
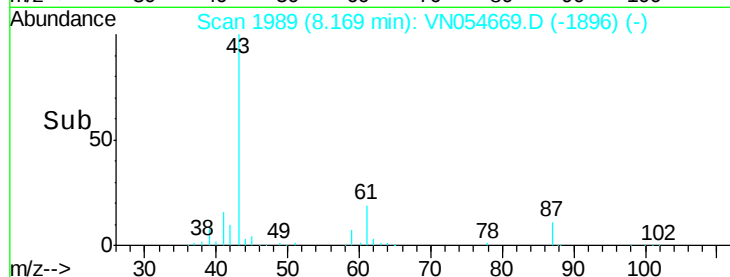
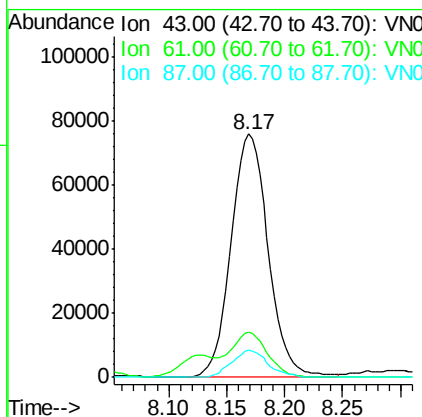
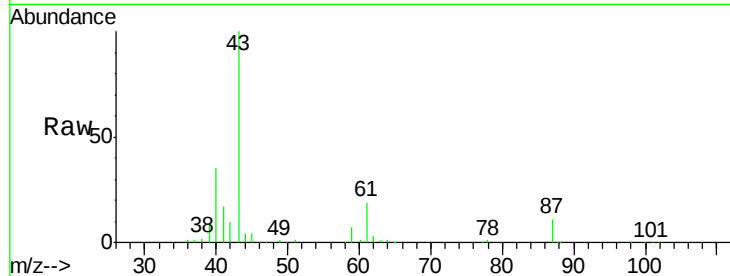
#43
Isopropyl Acetate
Concen: 21.355 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.8	23.8
87	11.0	12.0	18.0

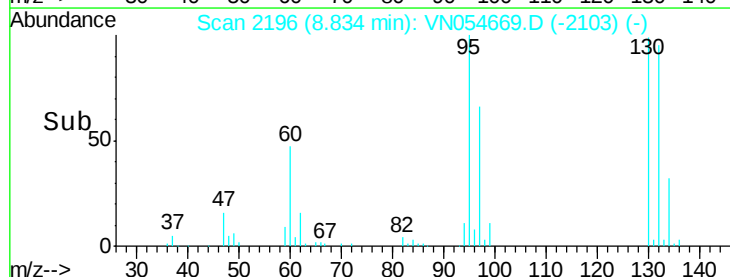
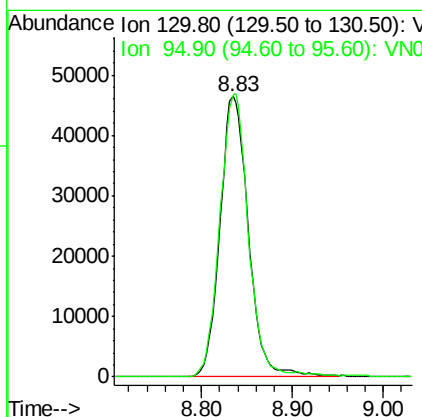
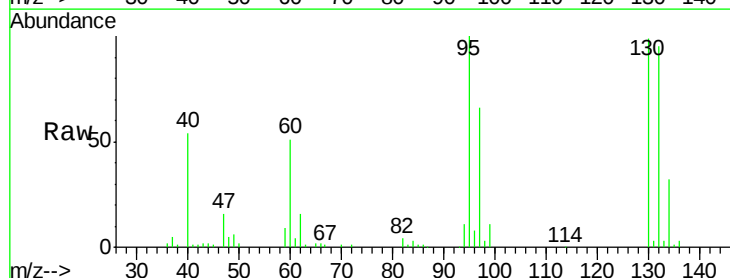
Manual Integrations
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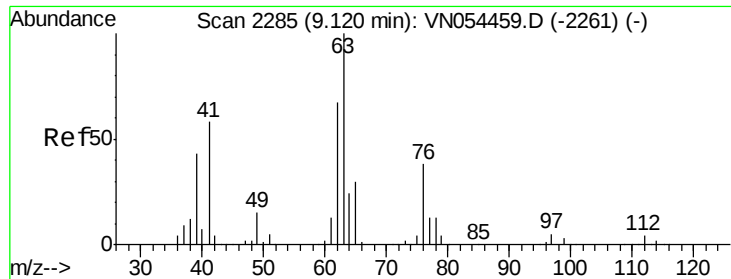
MMDadoda
3/26/2019 12:33:05 PM



#44
Trichloroethene
Concen: 19.505 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	185.2





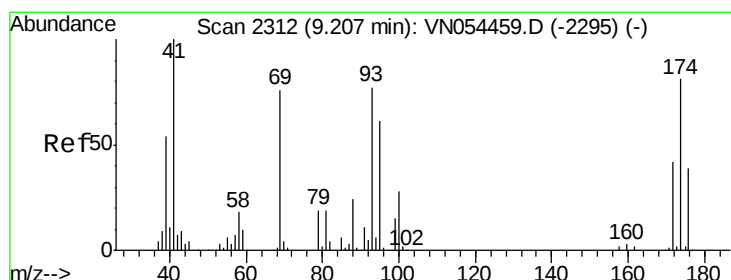
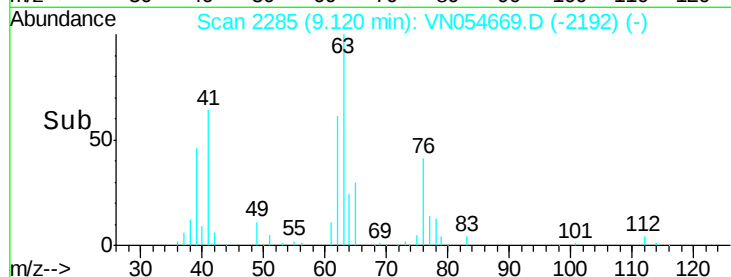
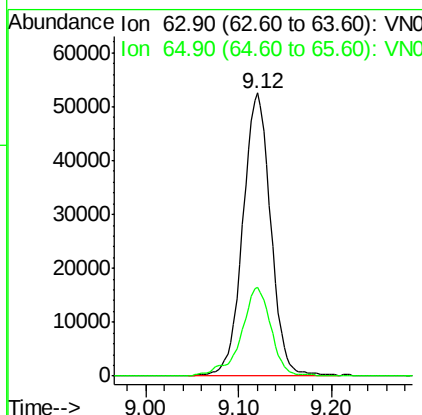
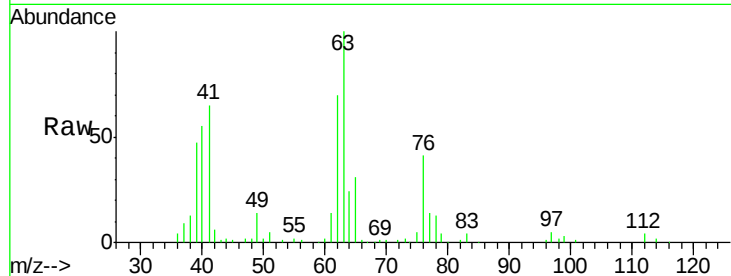
#45
 1,2-Dichloropropane
 Concen: 22.011 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion: 63 Resp: 109973
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

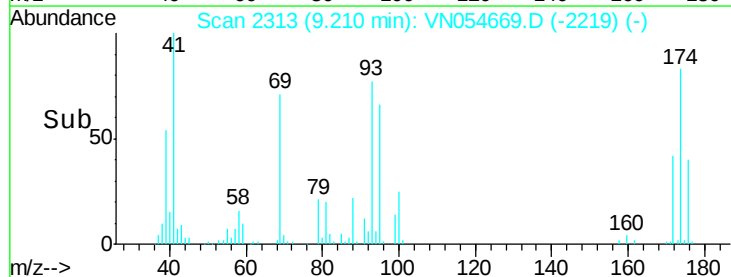
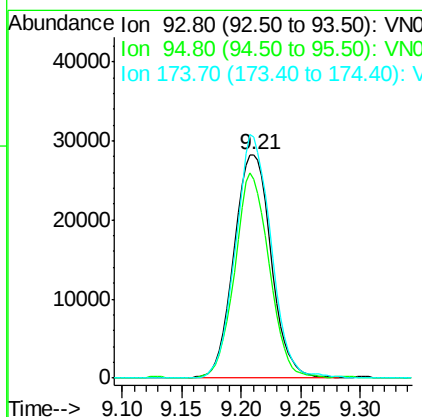
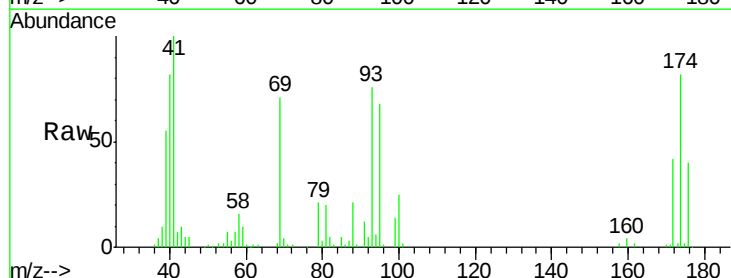
Manual Integrations
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MMDadoda
 3/26/2019 12:33:05 PM



#46
 Dibromomethane
 Concen: 20.610 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion: 93 Resp: 61431
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.7 100.1
 174 103.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.407 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

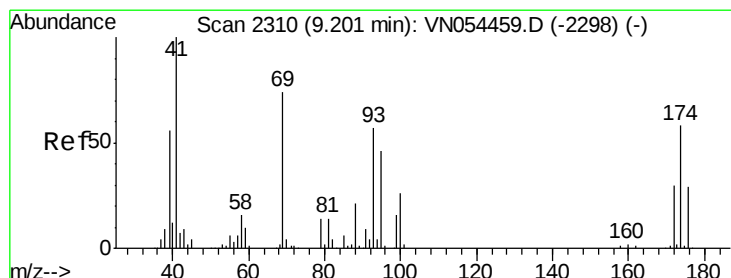
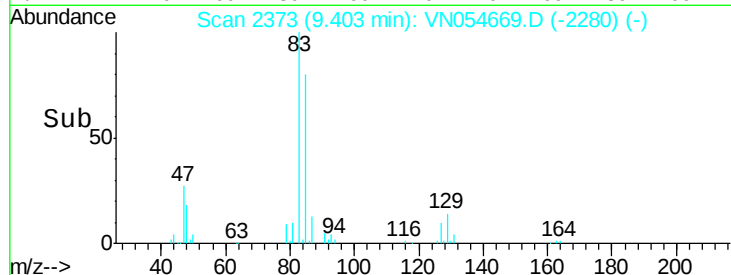
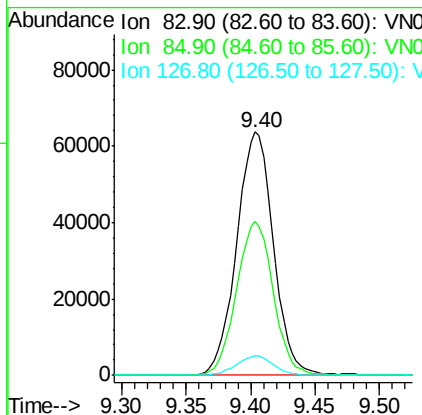
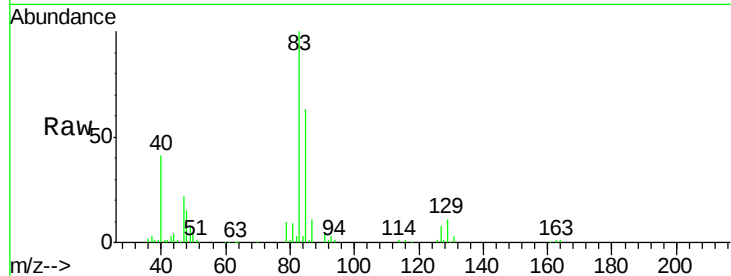
ClientSampleId :

VN0325WBSD01

Tot Ion:	83	Resp:	126235
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.8	79.2
127	8.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.615 ug/l

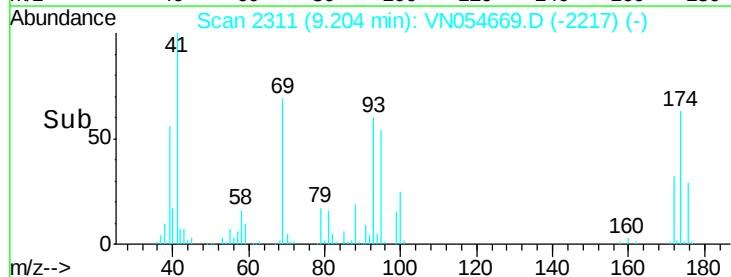
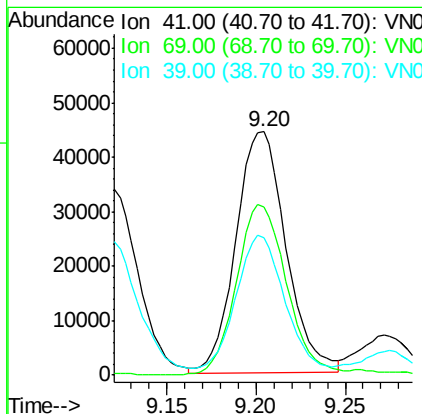
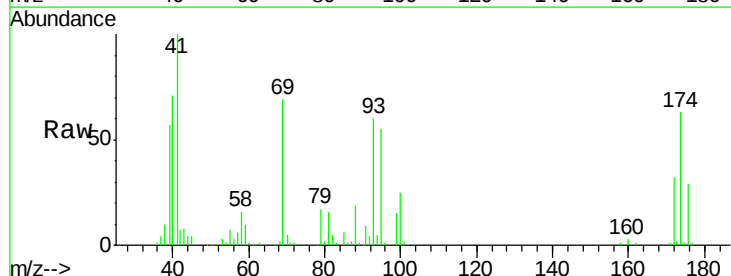
RT: 9.20 min Scan# 2311

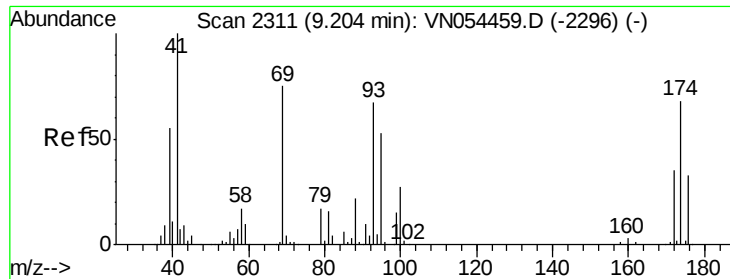
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	41	Resp:	87451
Ion	Ratio	Lower	Upper
41	100		
69	70.7	72.6	108.8#
39	56.6	47.5	71.3





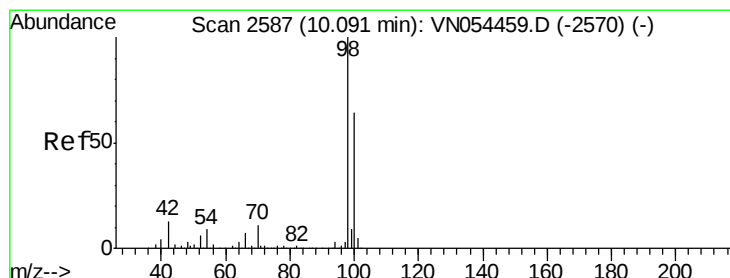
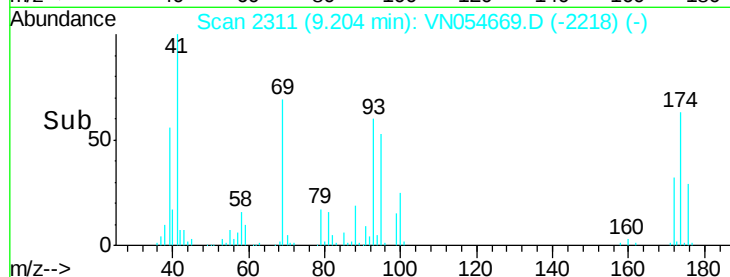
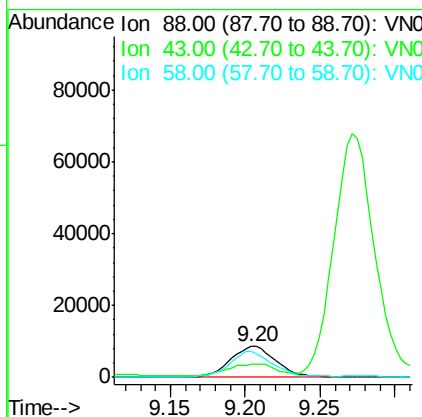
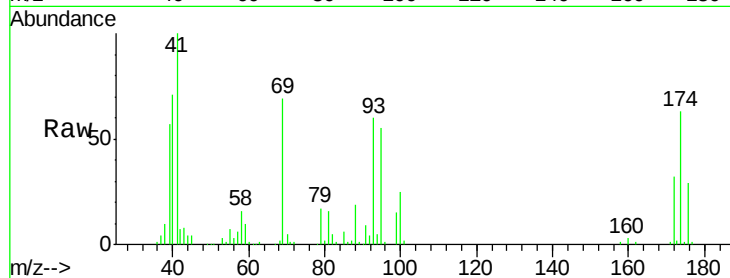
#49
1,4-Dioxane
Concen: 383.618 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion: 88 Resp: 18193
Ion Ratio Lower Upper
88 100
43 42.0 24.1 36.1#
58 79.4 50.8 76.2#

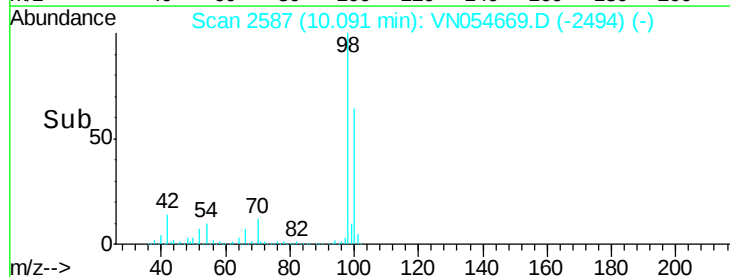
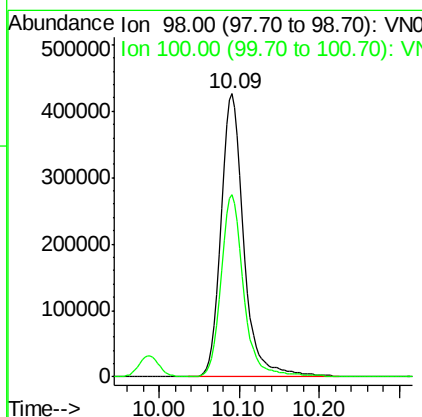
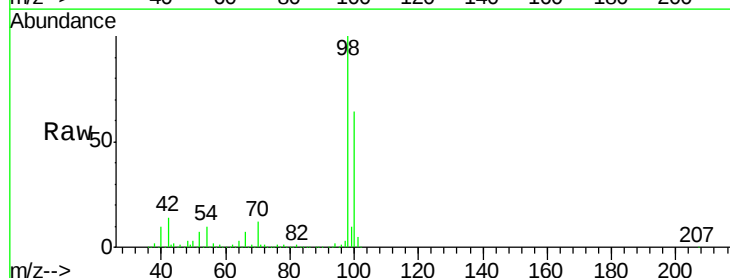
Manual Integrations
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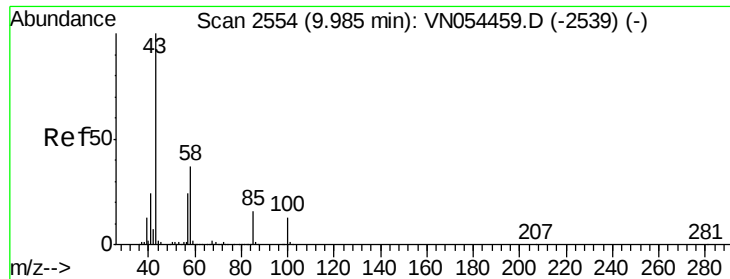
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#50
Toluene-d8
Concen: 50.039 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion: 98 Resp: 843400
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 109.592 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 43 Resp: 474704

Ion Ratio Lower Upper

43 100

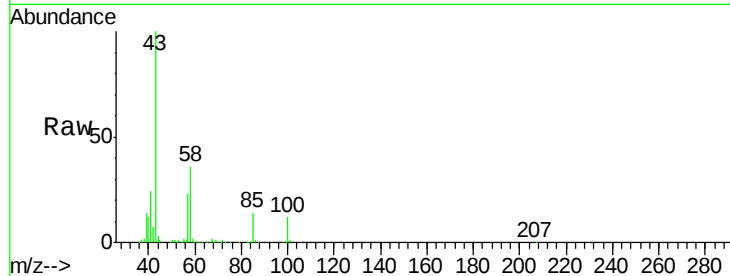
58 35.3 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

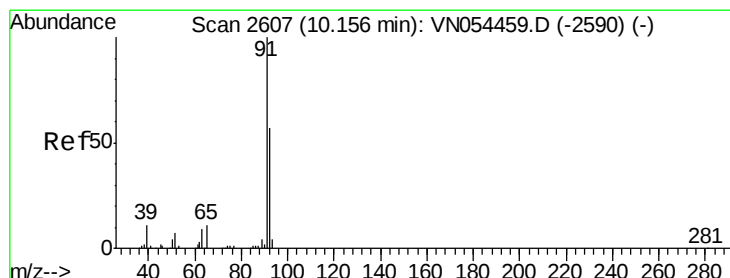
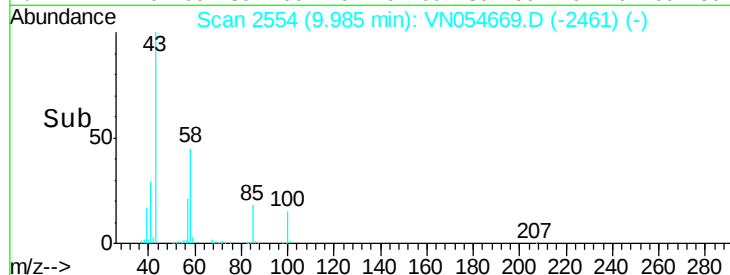
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.356 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054669.D

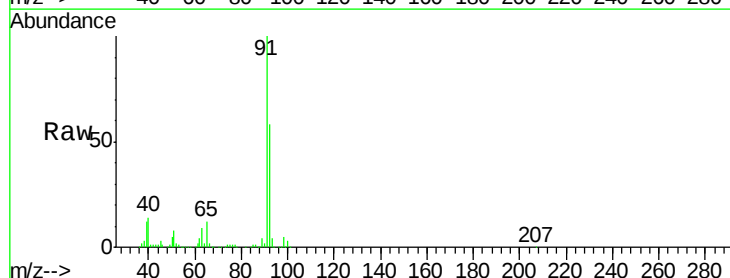
Acq: 25 Mar 2019 13:40

Tgt Ion: 92 Resp: 232958

Ion Ratio Lower Upper

92 100

91 172.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

250000

200000

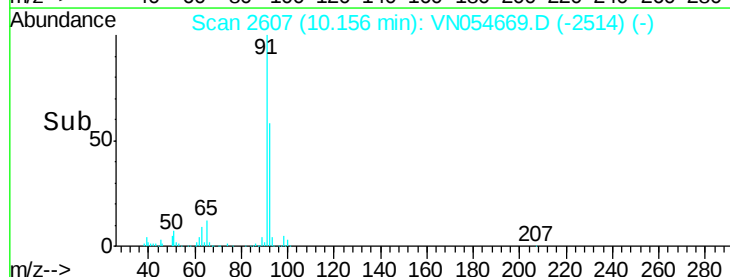
150000

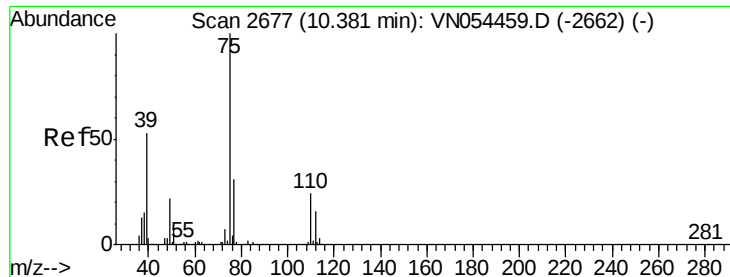
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.811 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 75 Resp: 113239

Ion Ratio Lower Upper

75 100

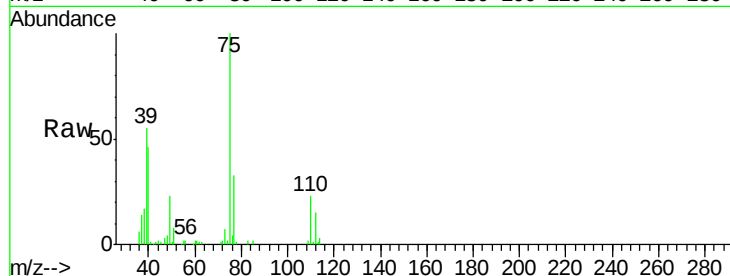
77 32.1 25.8 38.8

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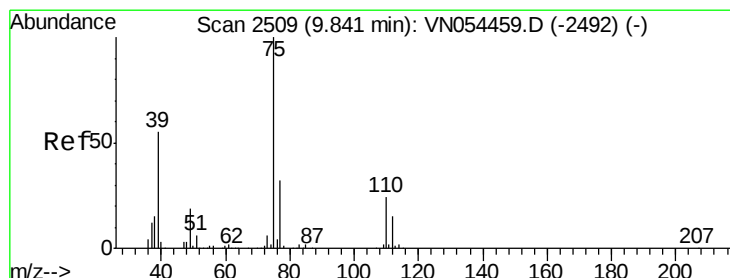
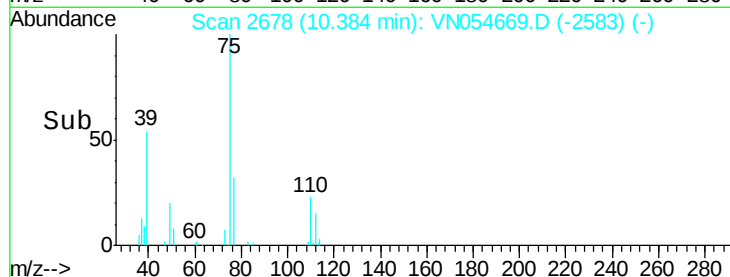
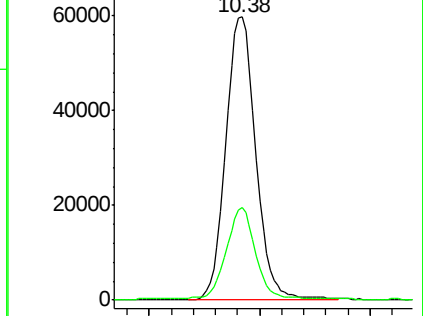
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.950 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

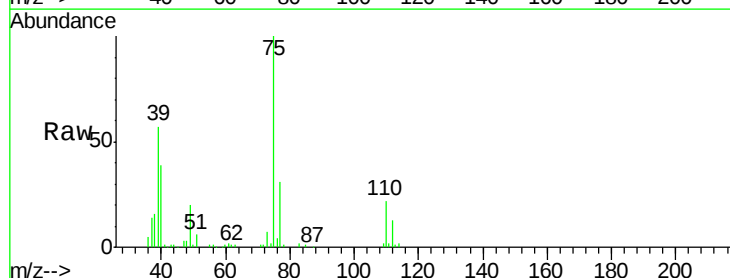
Tgt Ion: 75 Resp: 141501

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

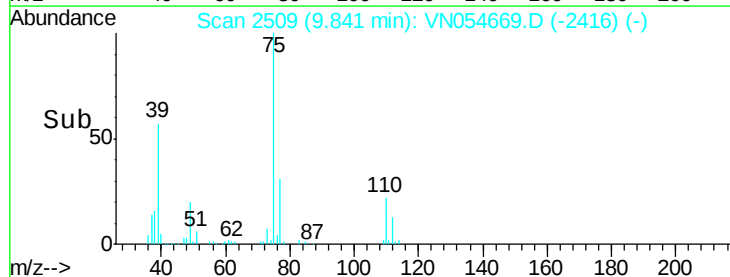
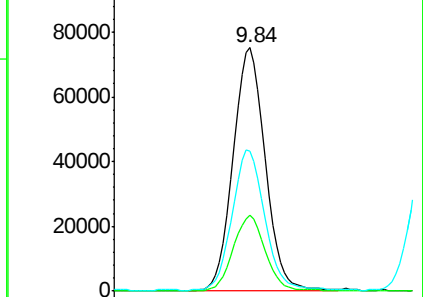
39 57.0 37.2 55.8#

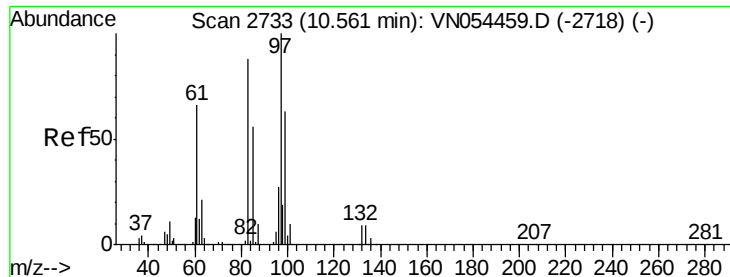


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.149 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

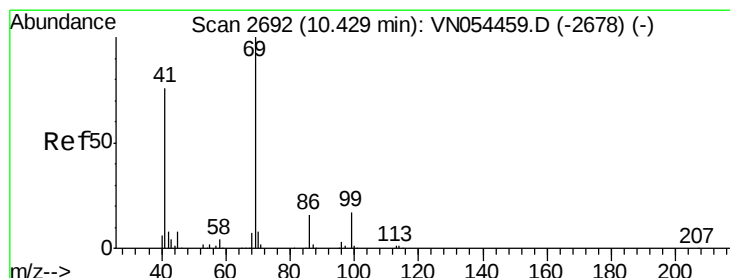
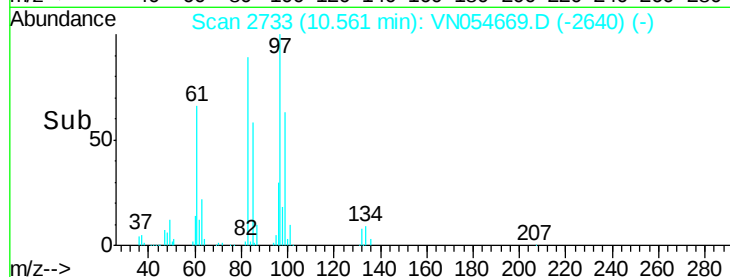
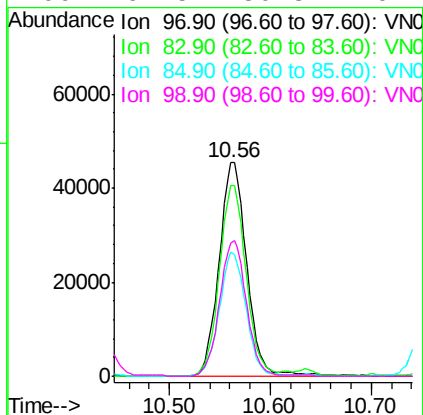
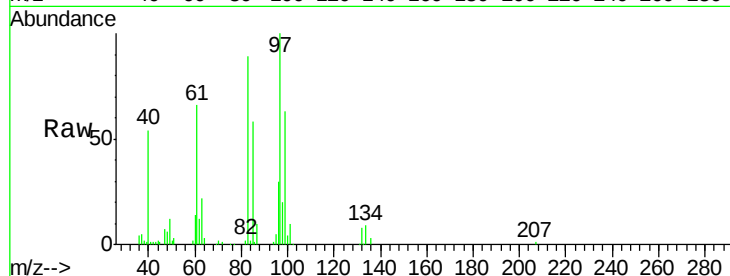
ClientSampleId :

VN0325WBSD01

Tot Ion:	97	Resp:	86999
Ion	Ratio	Lower	Upper
97	100		
83	89.1	66.6	100.0
85	58.4	44.4	66.6
99	62.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.658 ug/l

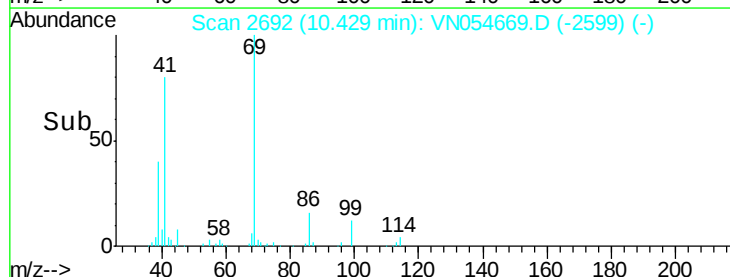
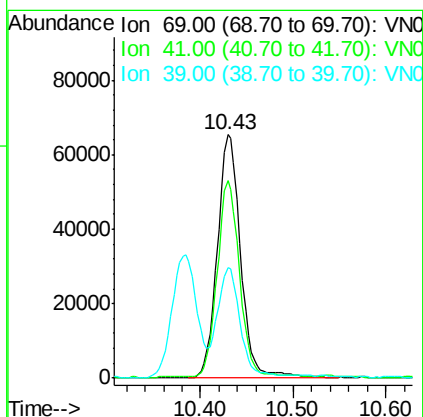
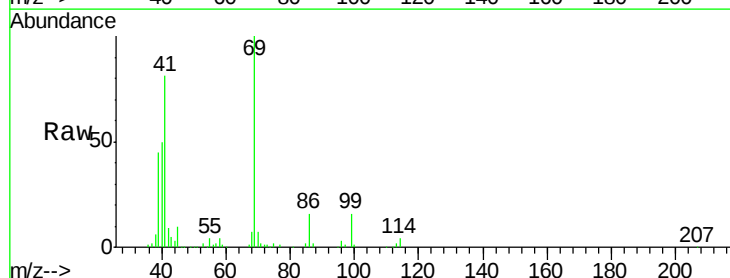
RT: 10.43 min Scan# 2692

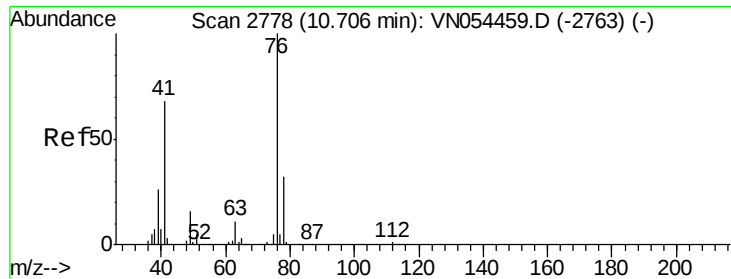
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	69	Resp:	114063
Ion	Ratio	Lower	Upper
69	100		
41	75.7	49.4	74.2#
39	42.7	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.324 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 76 Resp: 152482

Ion Ratio Lower Upper

76 100

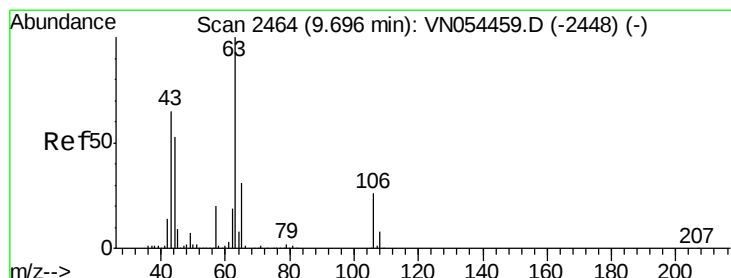
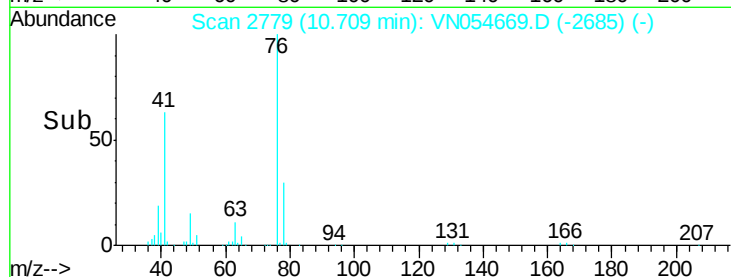
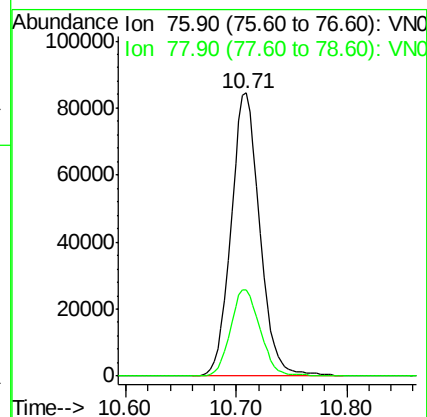
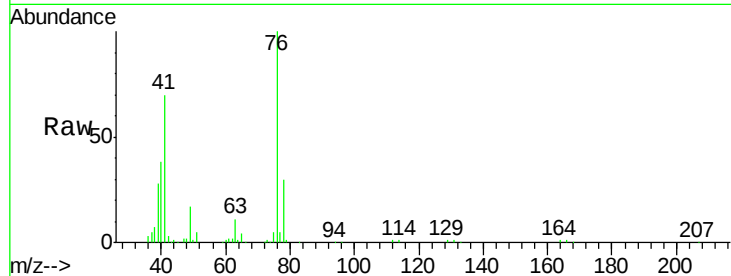
78 31.6 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 84.389 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054669.D

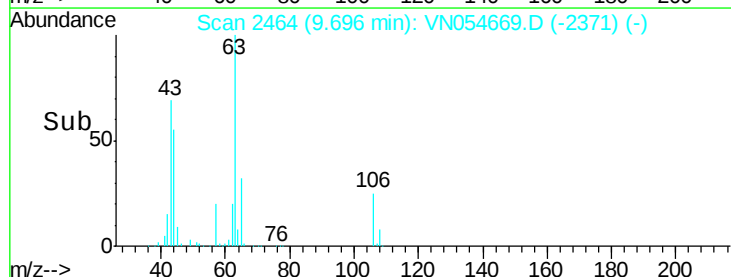
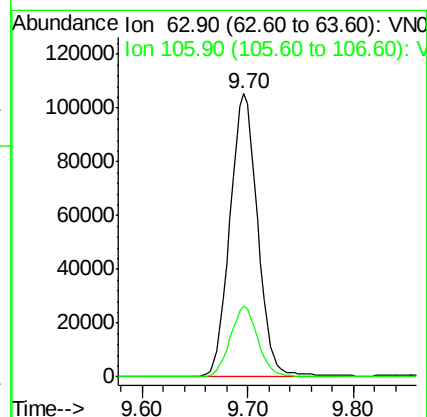
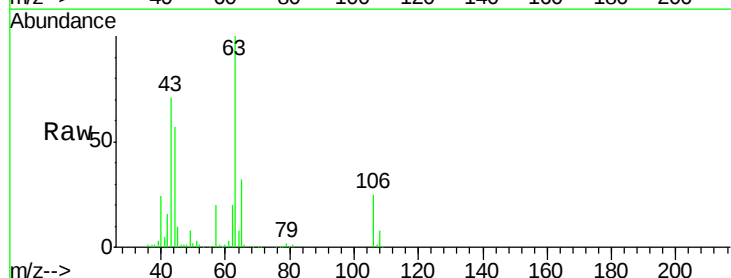
Acq: 25 Mar 2019 13:40

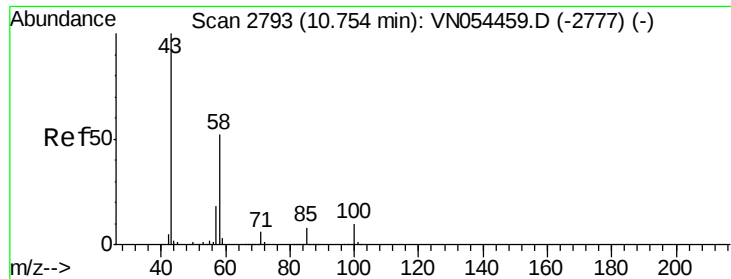
Tgt Ion: 63 Resp: 191866

Ion Ratio Lower Upper

63 100

106 24.8 24.4 36.6





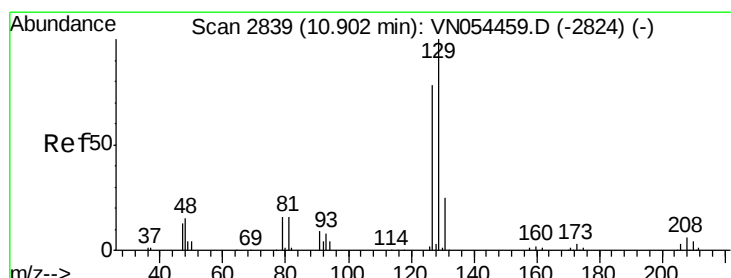
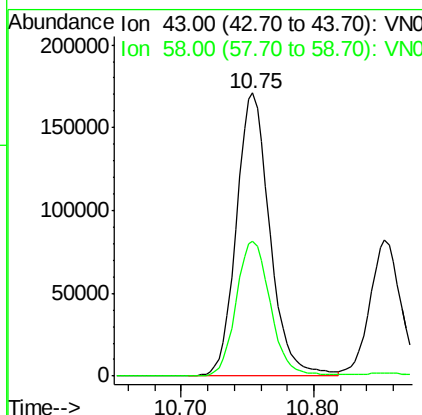
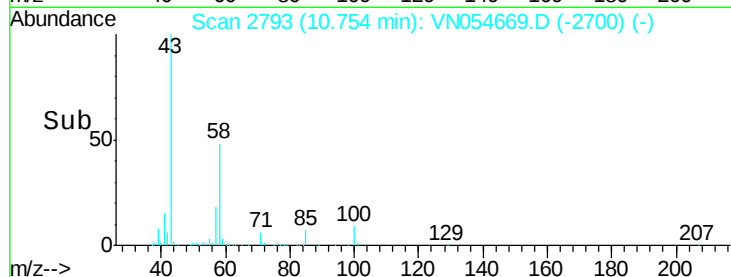
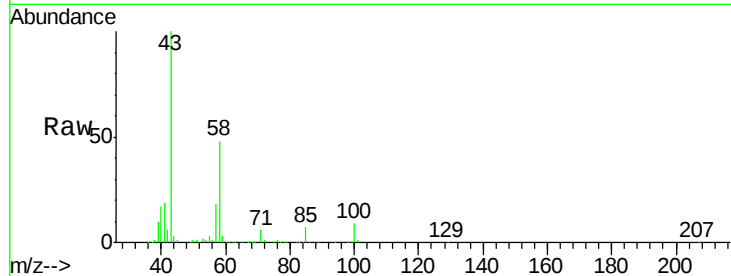
#59
2-Hexanone
Concen: 105.119 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion: 43 Resp: 297417
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9

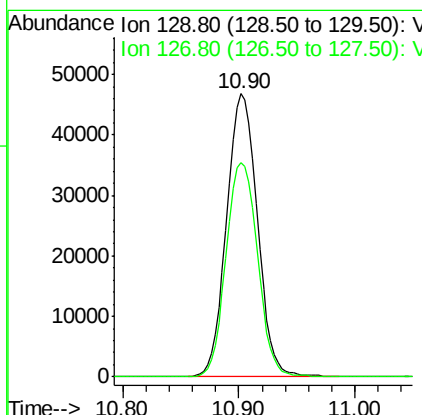
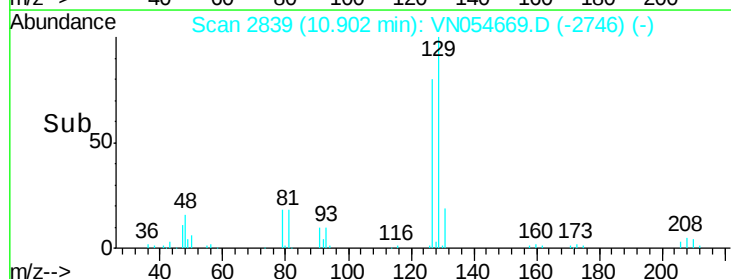
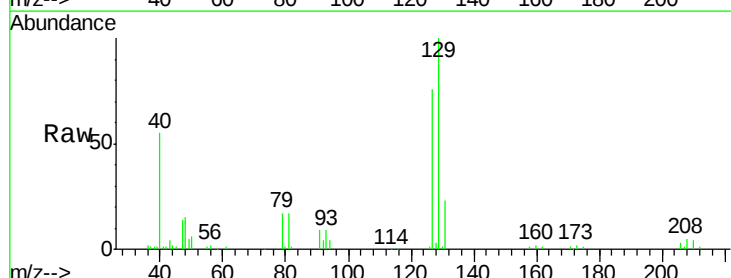
Manual Integrations
APPROVED

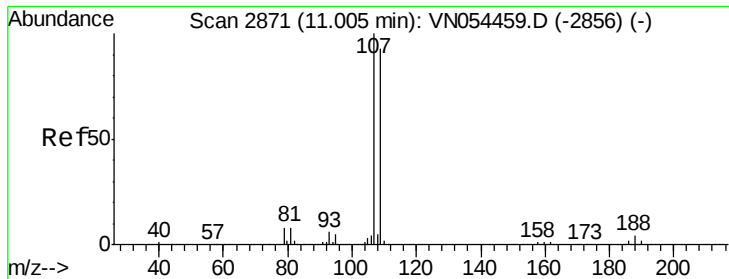
MMDadoda
3/26/2019 12:33:05 PM



#60
Dibromochloromethane
Concen: 19.673 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion: 129 Resp: 86116
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





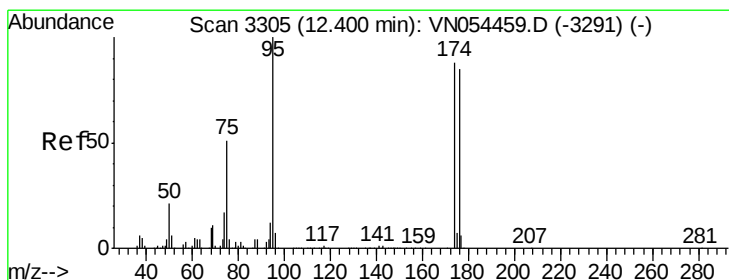
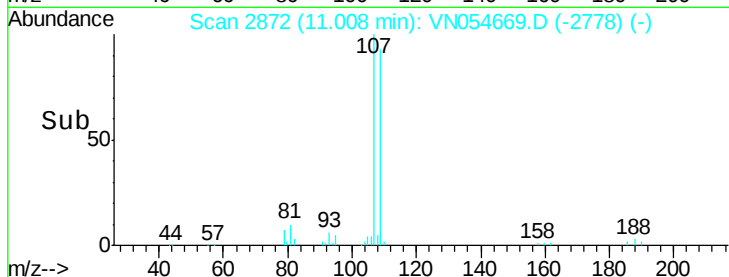
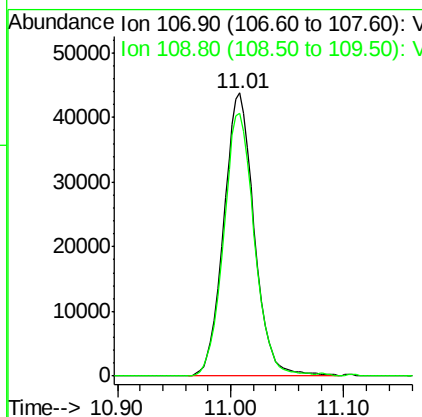
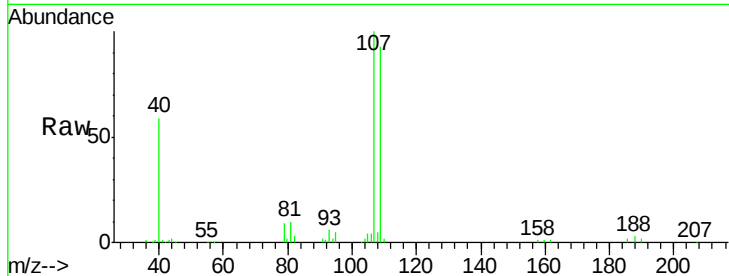
#61
 1,2-Dibromoethane
 Concen: 20.192 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion: 107 Resp: 82119
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9

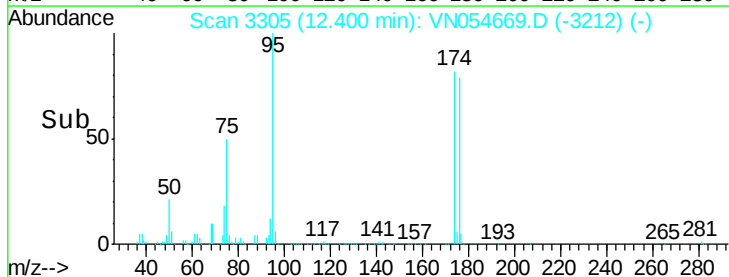
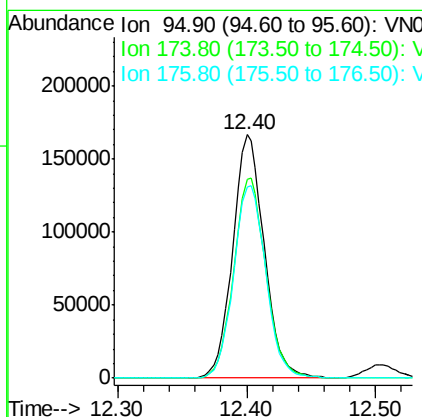
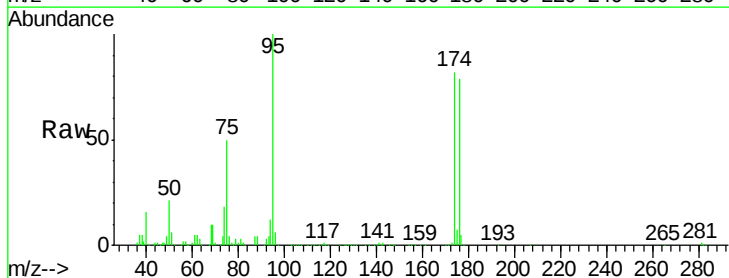
Manual Integrations
 APPROVED

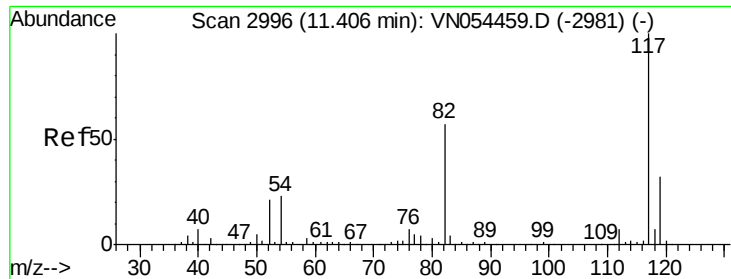
MMDadoda
 3/26/2019 12:33:05 PM



#62
 4-Bromofluorobenzene
 Concen: 49.269 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion: 95 Resp: 282580
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 191.0
 176 81.2 0.0 187.4





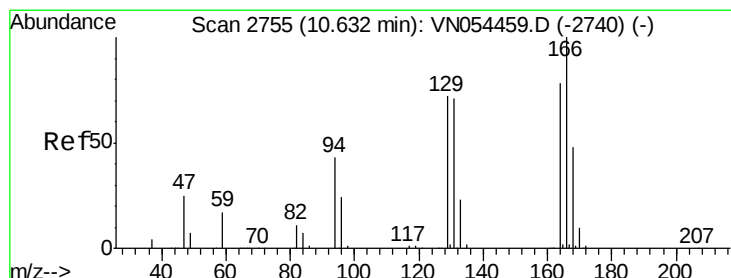
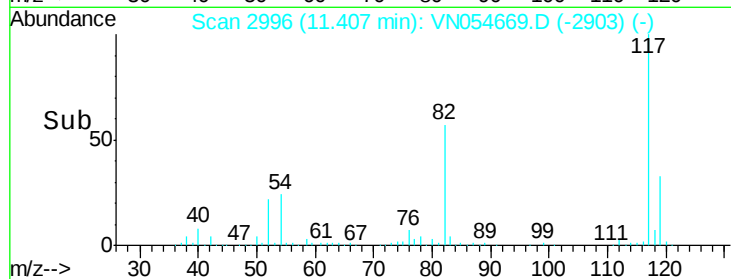
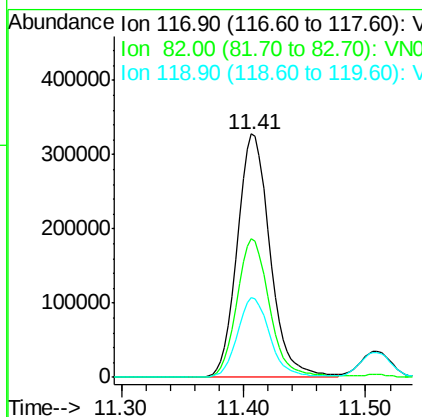
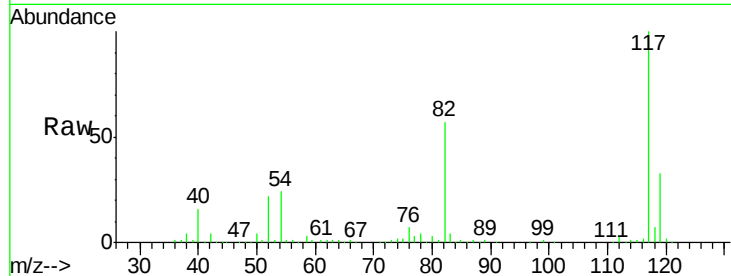
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	40.0	60.0
119	32.7	25.8	38.6

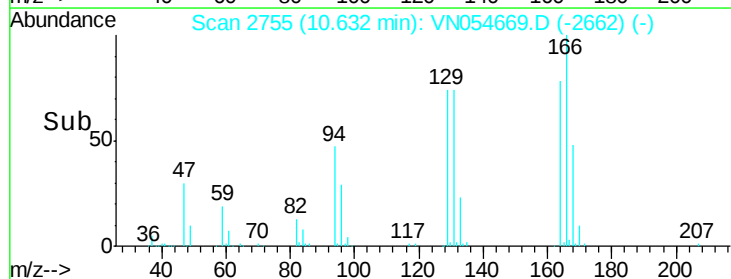
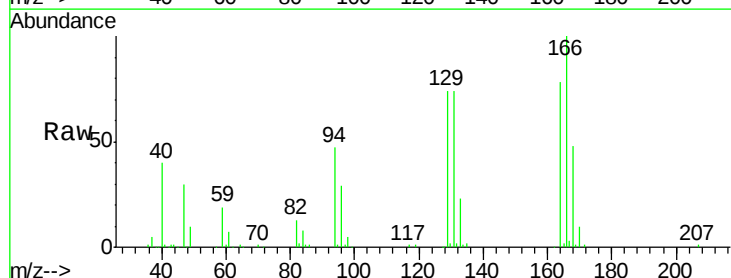
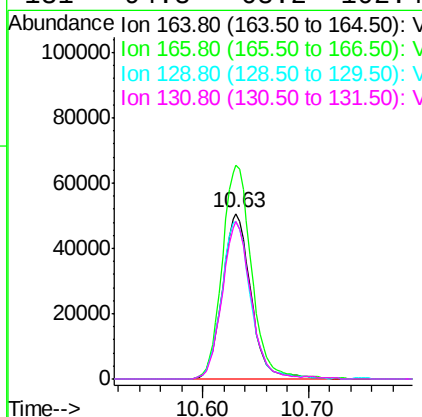
Manual Integrations
APPROVED

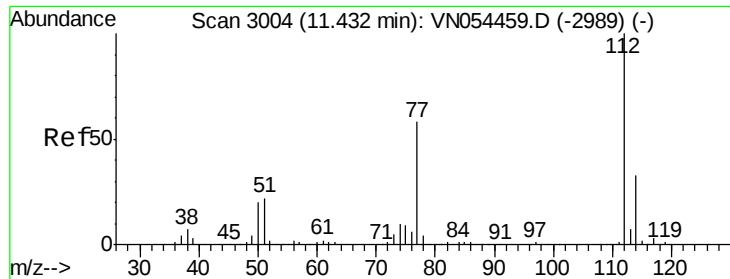
MMDadoda
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#64
Tetrachloroethene
Concen: 18.738 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.9	155.9
129	94.9	71.1	106.7
131	94.8	68.2	102.4





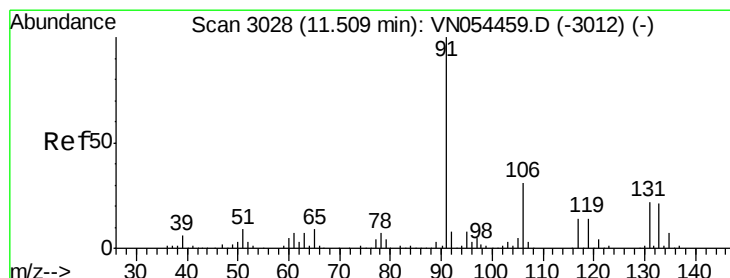
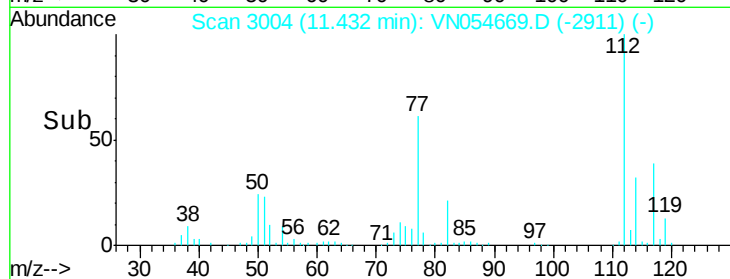
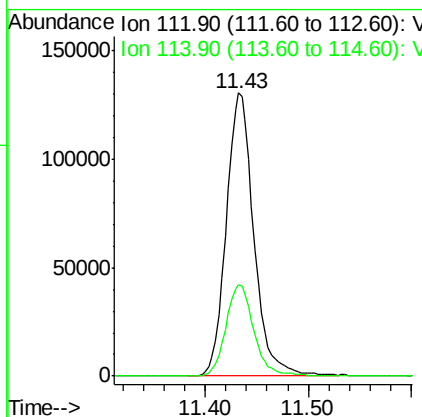
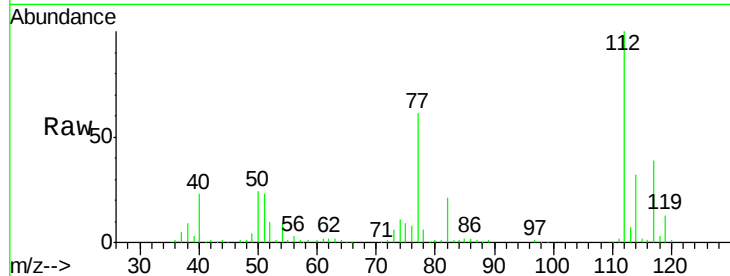
#65
Chlorobenzene
Concen: 19.666 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion:112 Resp: 243716
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

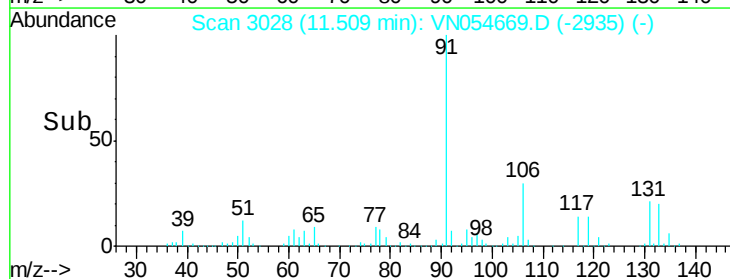
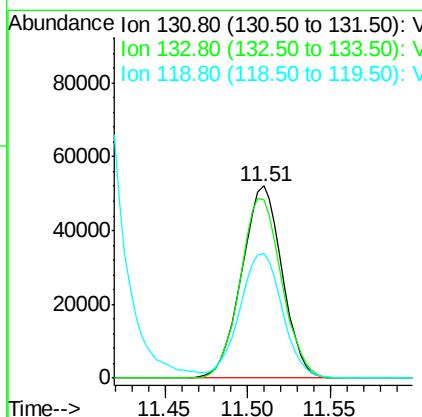
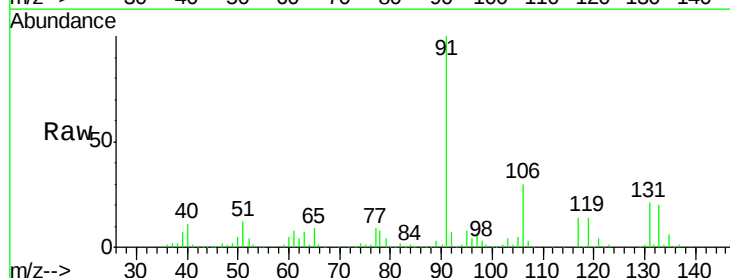
Manual Integrations
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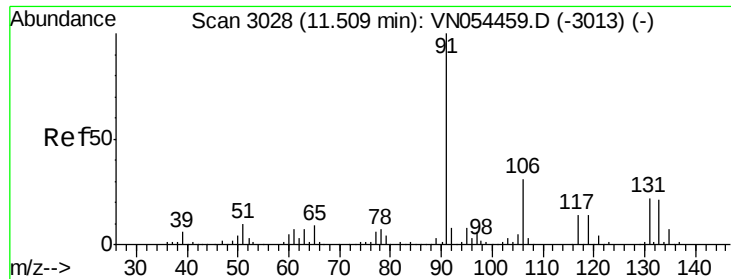
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.848 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion:131 Resp: 88287
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 68.7 32.4 97.0





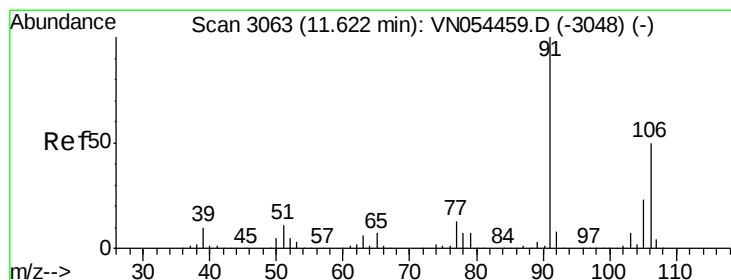
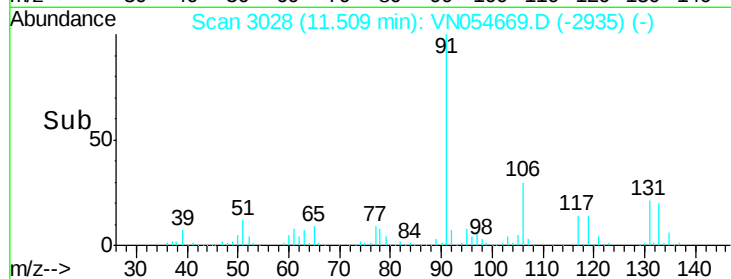
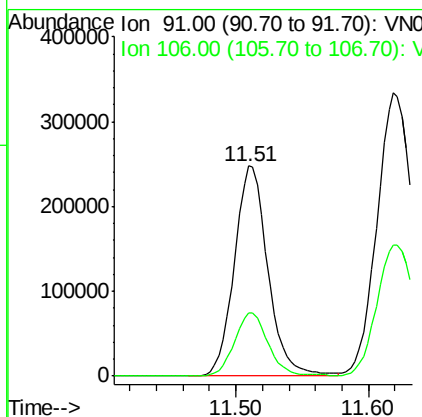
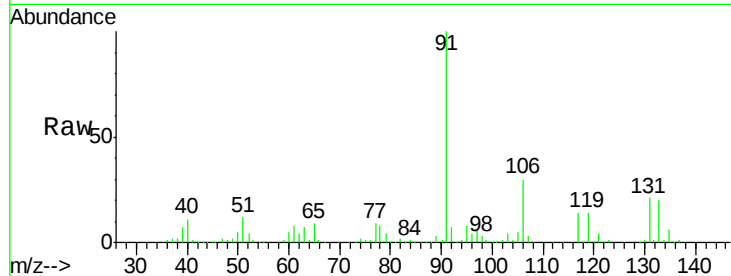
#67
Ethyl Benzene
Concen: 19.925 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN0325WBSD01

Tot Ion: 91 Resp: 436170
Ion Ratio Lower Upper
91 100
106 30.1 25.5 38.3

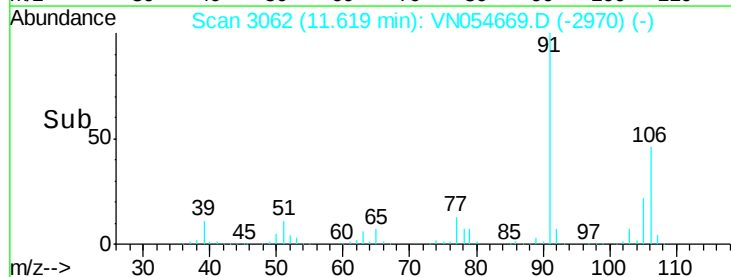
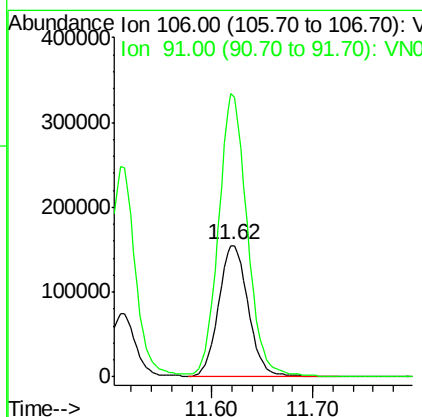
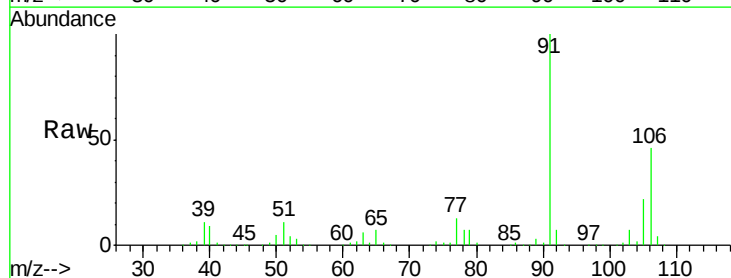
Manual Integrations
APPROVED

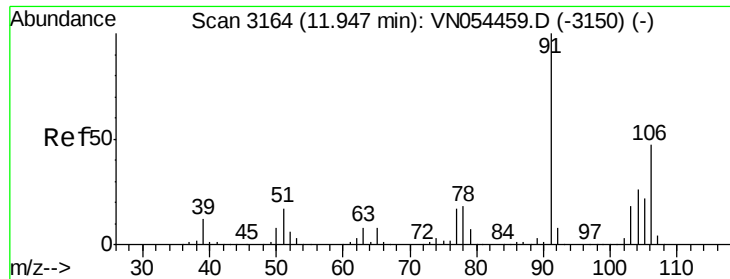
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#68
m/p-Xylenes
Concen: 38.497 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion: 106 Resp: 319208
Ion Ratio Lower Upper
106 100
91 208.1 159.4 239.2





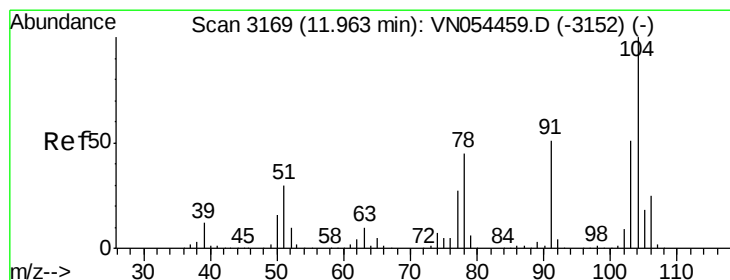
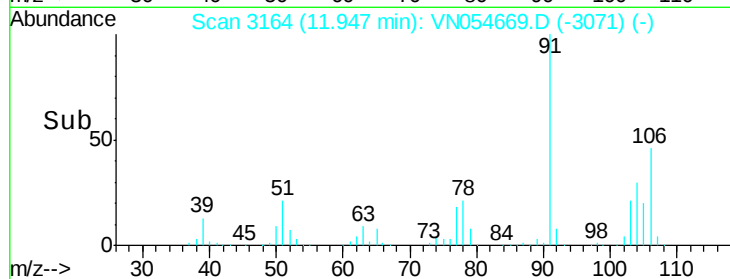
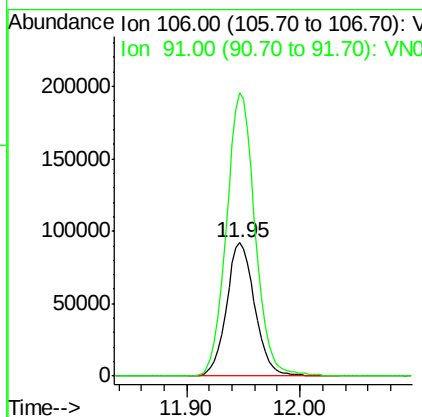
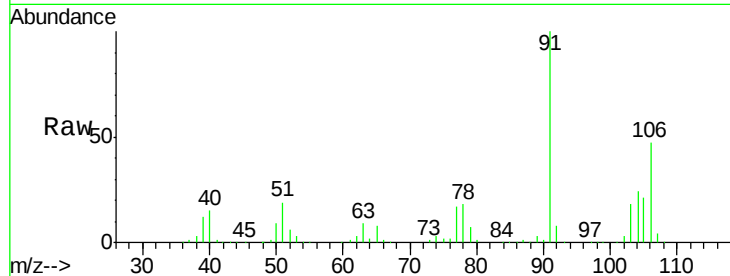
#69
o-Xylene
Concen: 19.764 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion:106 Resp: 160041
Ion Ratio Lower Upper
106 100
91 214.8 105.7 317.1

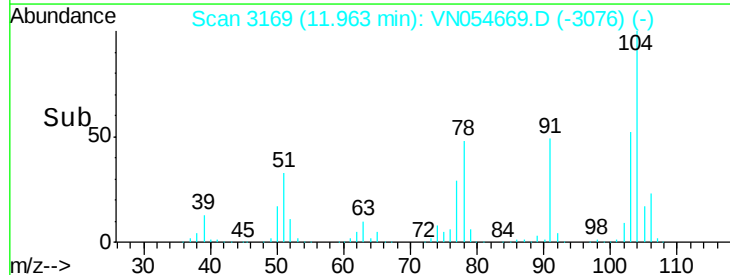
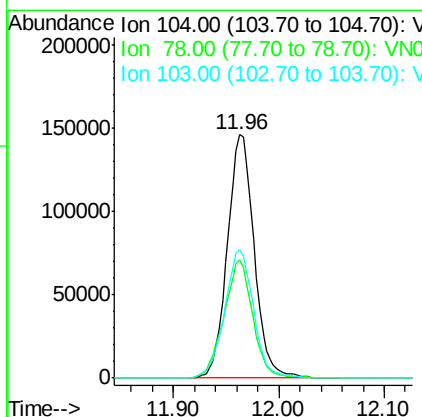
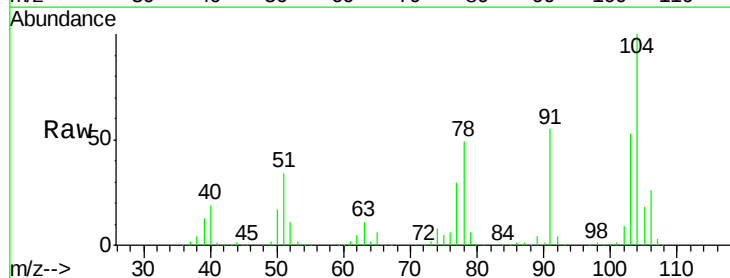
Manual Integrations
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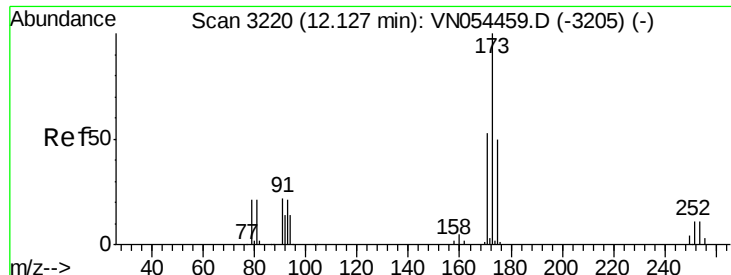
MMDadoda
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#70
Styrene
Concen: 19.569 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion:104 Resp: 257330
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 56.8 44.4 66.6





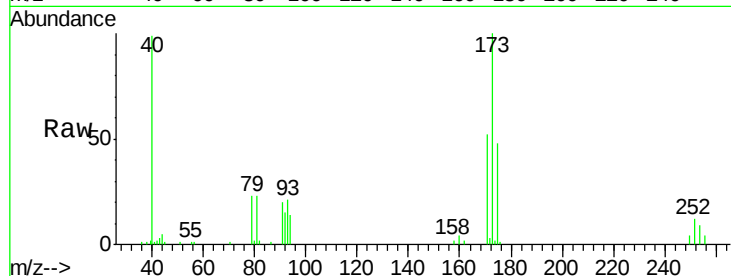
#71
Bromoform
Concen: 17.881 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

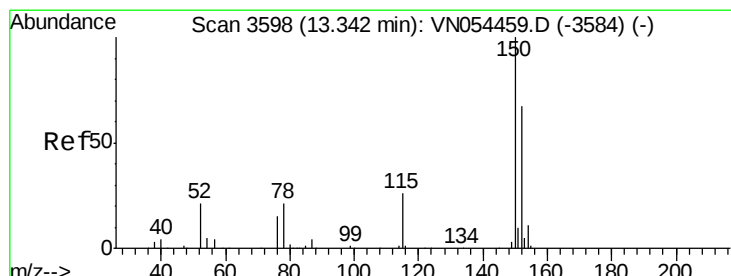
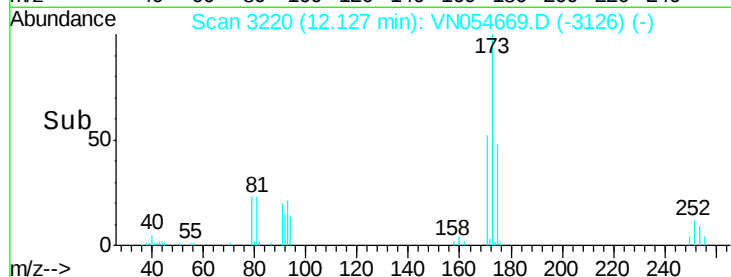
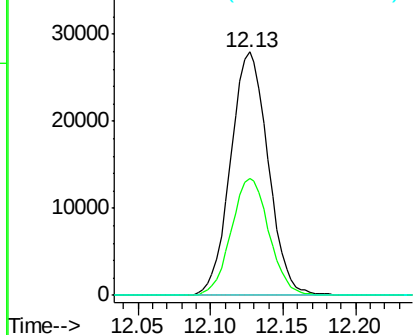
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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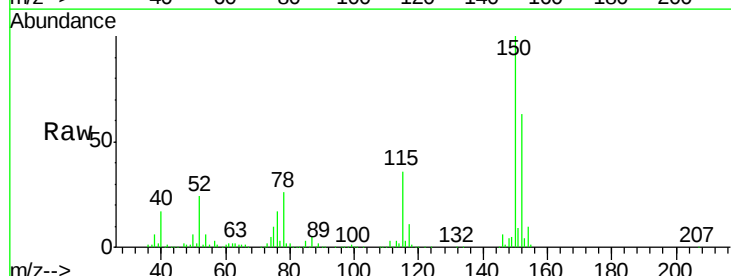


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

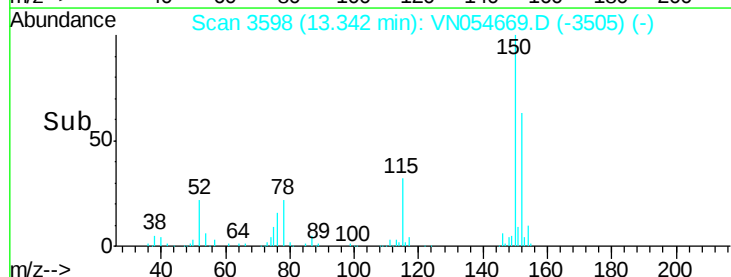
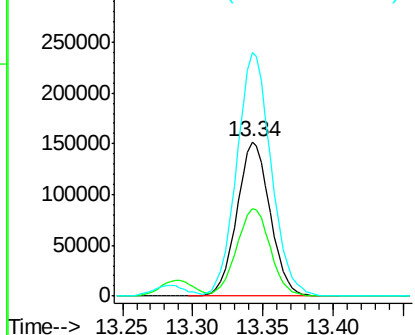


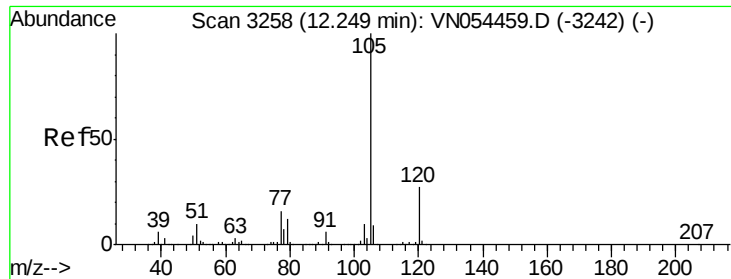
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.2	81.6
150	163.5	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: 20.709 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion:105 Resp: 418209

Ion Ratio Lower Upper

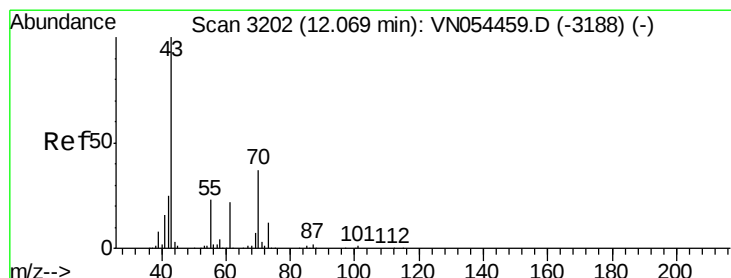
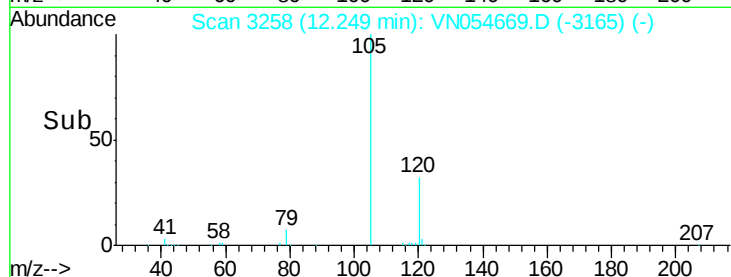
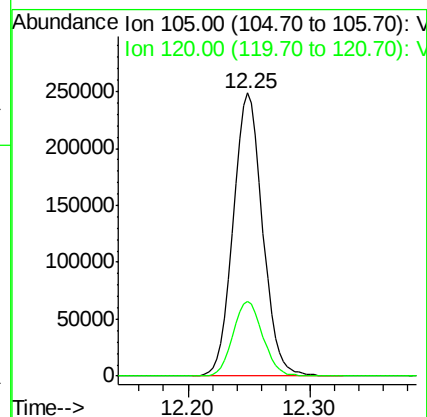
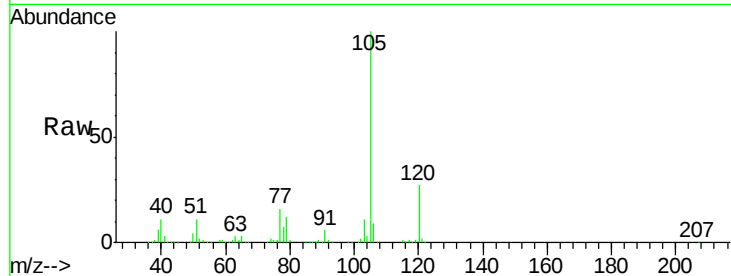
105 100

120 26.9 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.769 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion: 43 Resp: 126405

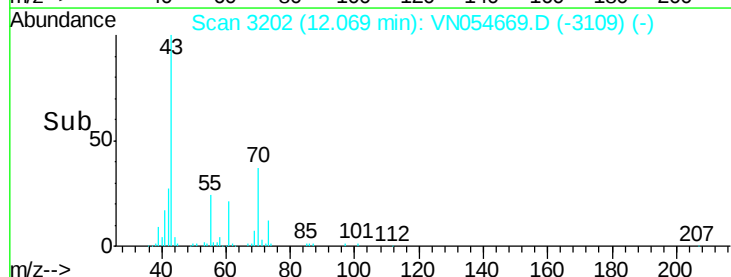
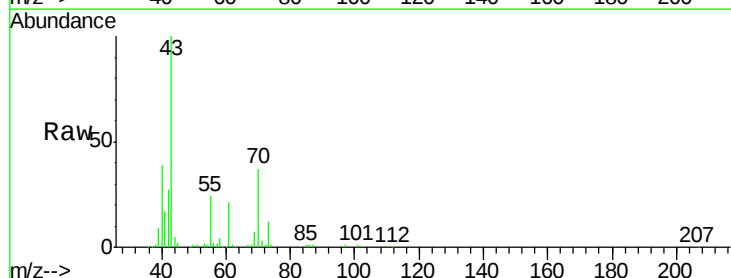
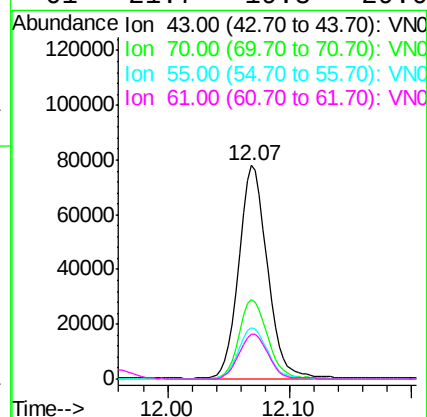
Ion Ratio Lower Upper

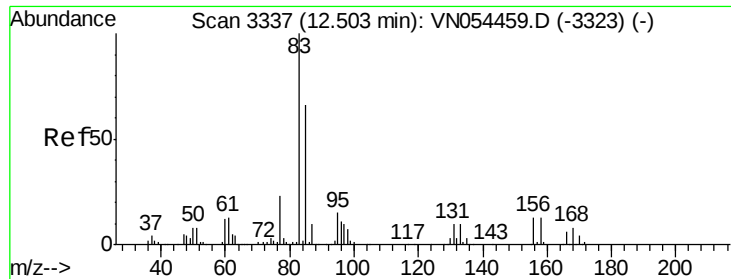
43 100

70 37.8 35.4 53.0

55 24.7 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.150 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

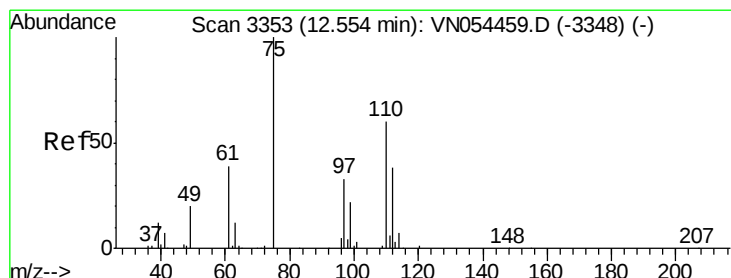
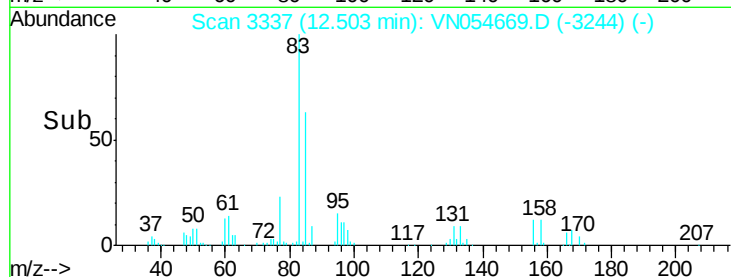
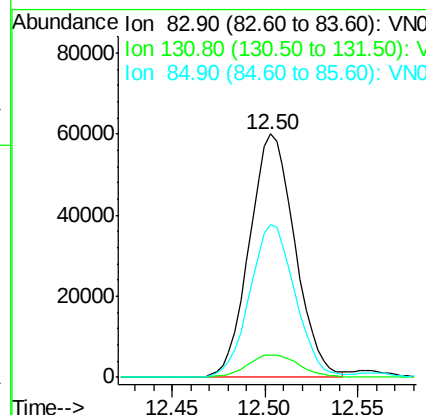
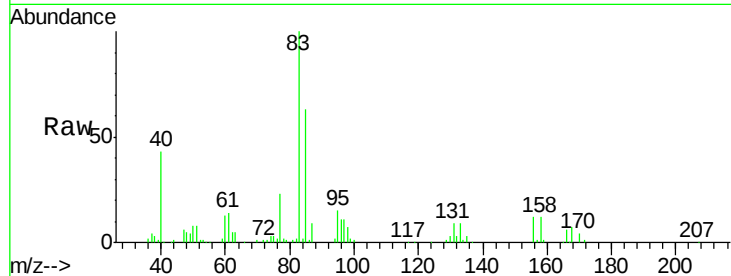
ClientSampleId :

VN0325WBSD01

Tot Ion:	83	Resp:	102107
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.4
85	62.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.429 ug/l m

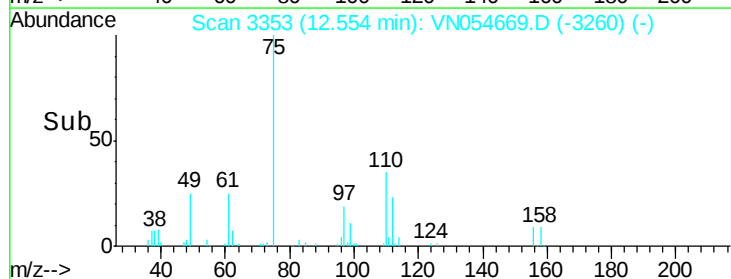
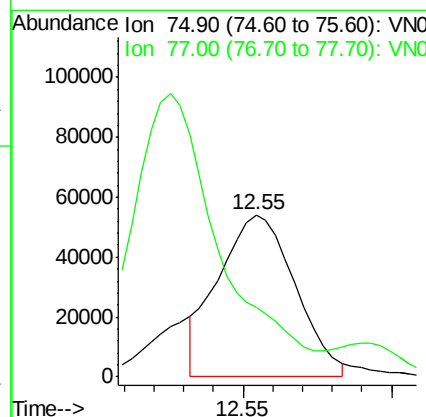
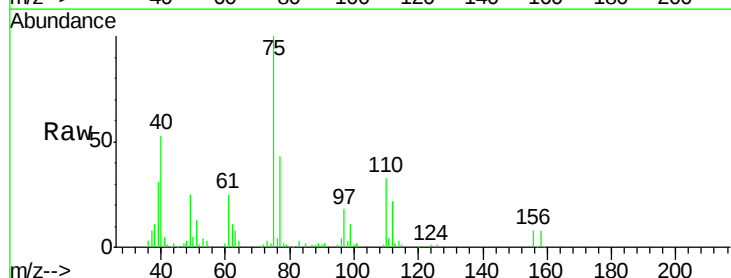
RT: 12.55 min Scan# 3353

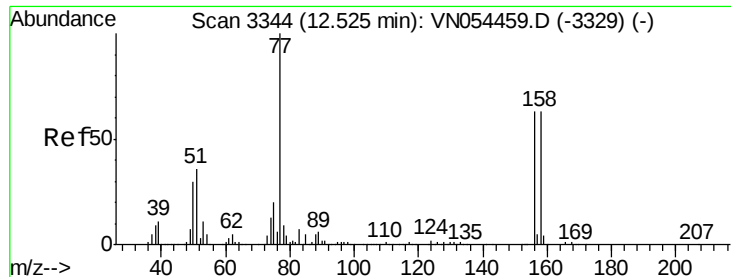
Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Tgt Ion:	75	Resp:	97149
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

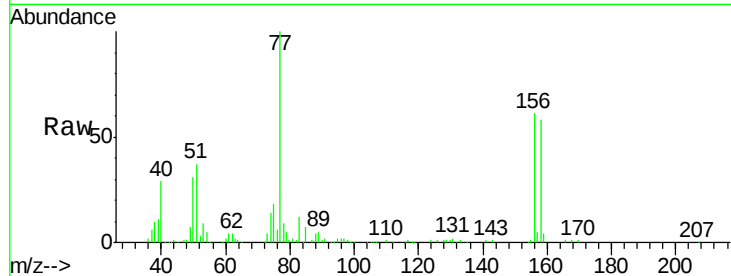
ClientSampleId :

VN0325WBSD01

Tot Ion:	156	Resp:	102358
Ion Ratio	Lower	Upper	
156	100		
77	191.5	81.5	244.4
158	95.5	49.0	147.2

Manual Integrations
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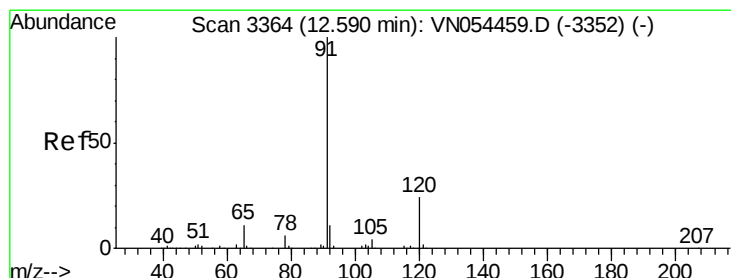
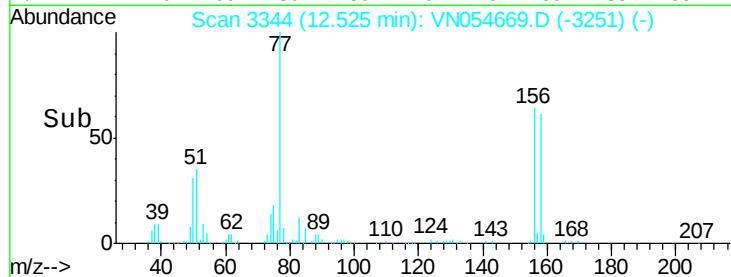
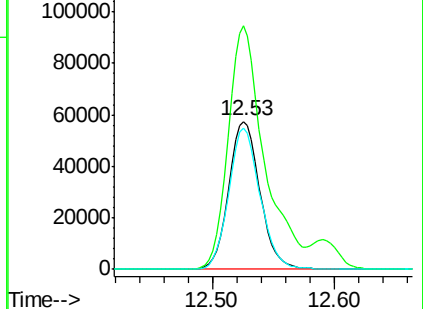
MMDadoda
3/26/2019 12:33:05 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.547 ug/l

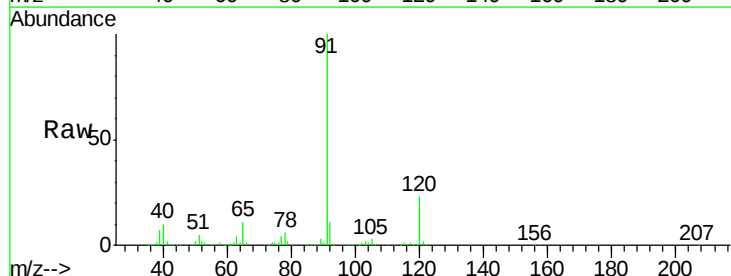
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054669.D

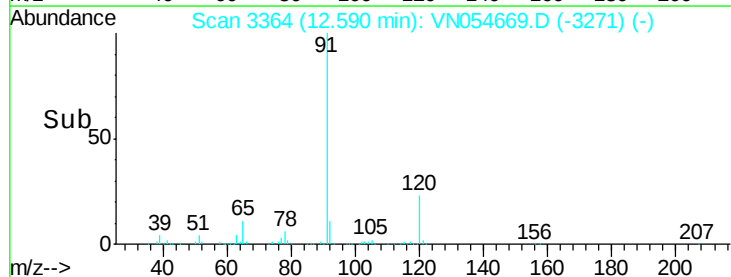
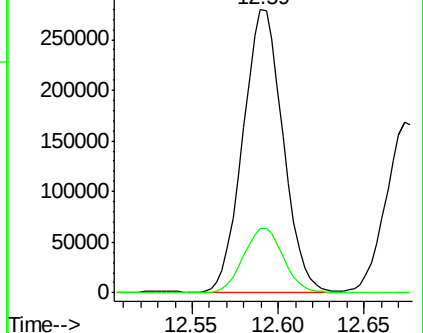
Acq: 25 Mar 2019 13:40

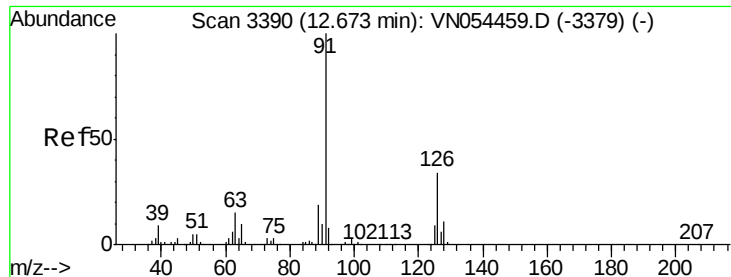
Tgt Ion:	91	Resp:	449927
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.671 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion: 91 Resp: 282271

Ion Ratio Lower Upper

91 100

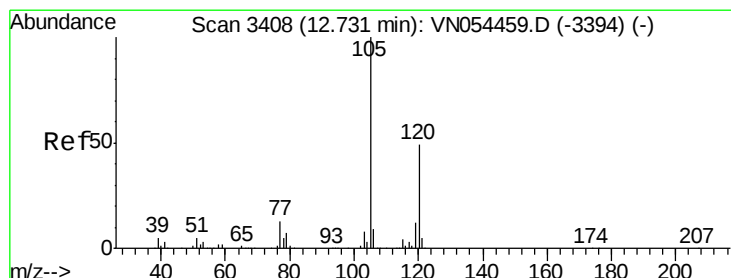
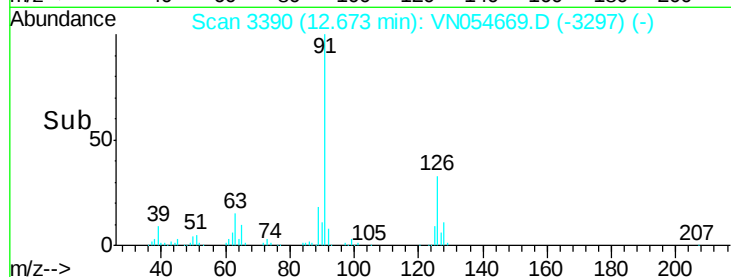
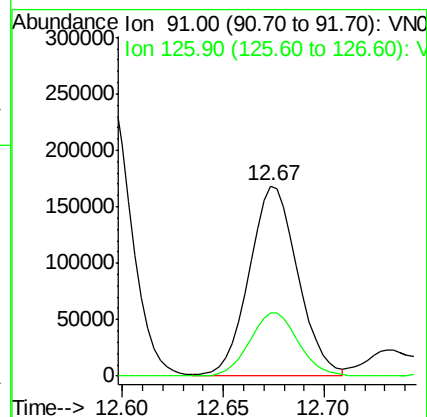
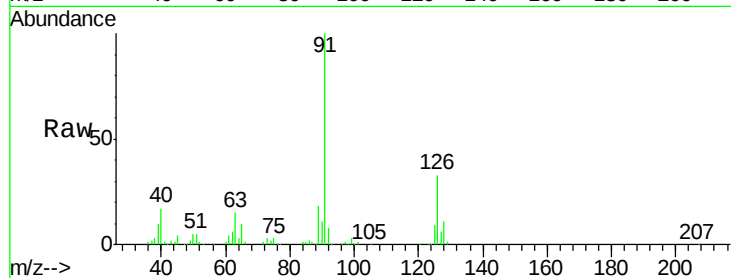
126 33.8 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.822 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054669.D

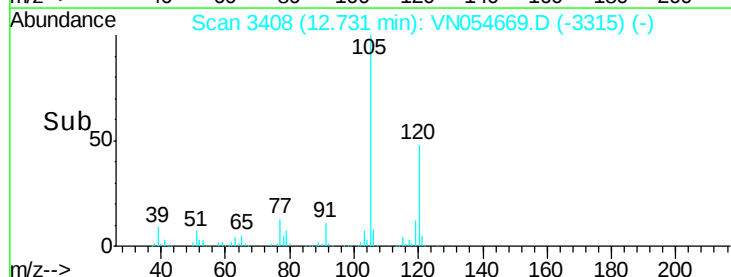
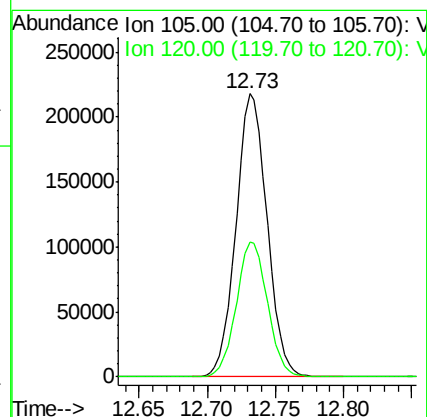
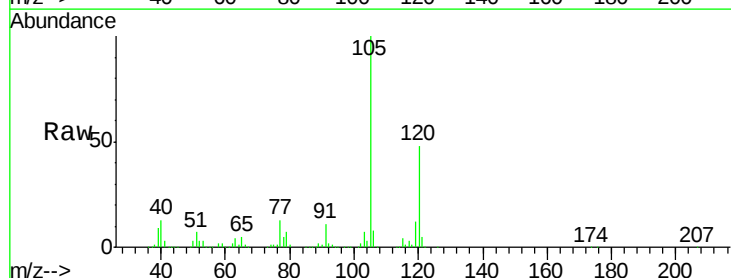
Acq: 25 Mar 2019 13:40

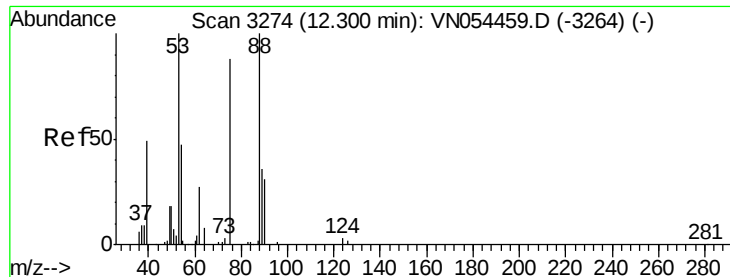
Tgt Ion: 105 Resp: 344618

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.641 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN0325WBSD01

Tot Ion: 75 Resp: 19053

Ion Ratio Lower Upper

75 100

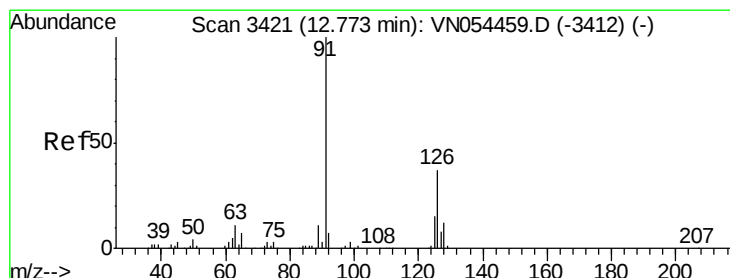
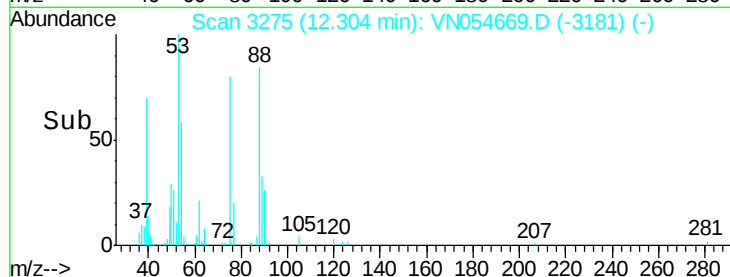
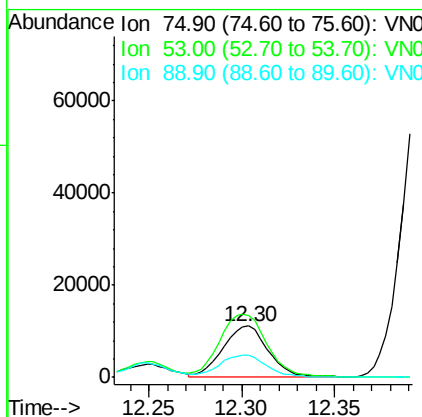
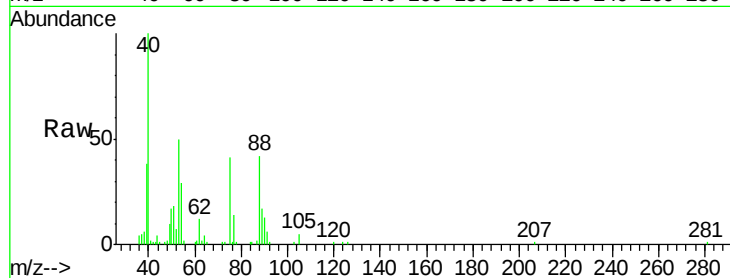
53 126.0 76.2 114.2#

89 44.7 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.406 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054669.D

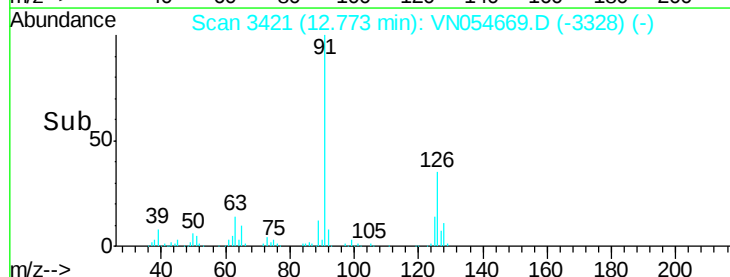
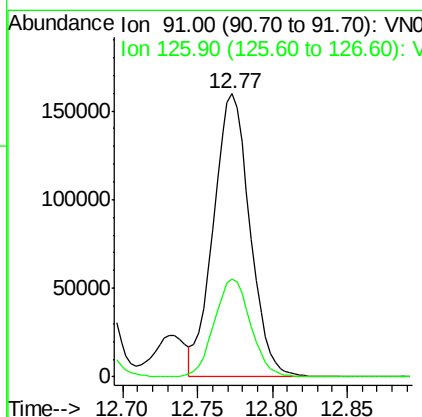
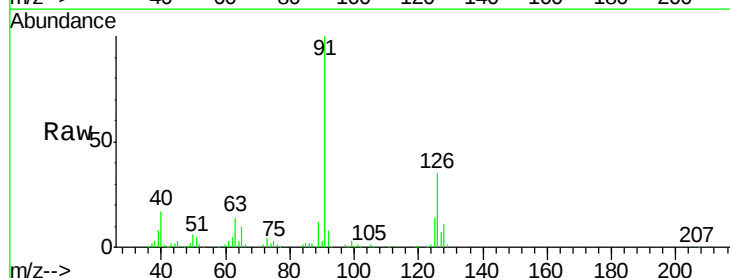
Acq: 25 Mar 2019 13:40

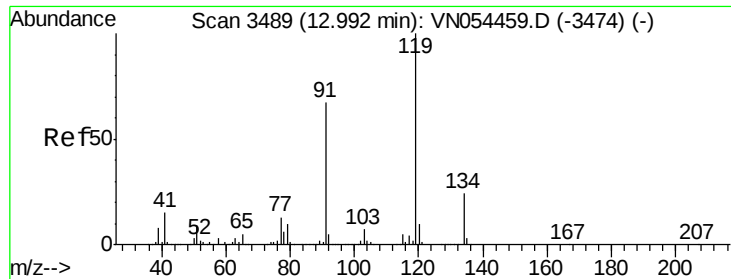
Tgt Ion: 91 Resp: 270100

Ion Ratio Lower Upper

91 100

126 34.6 18.1 54.1





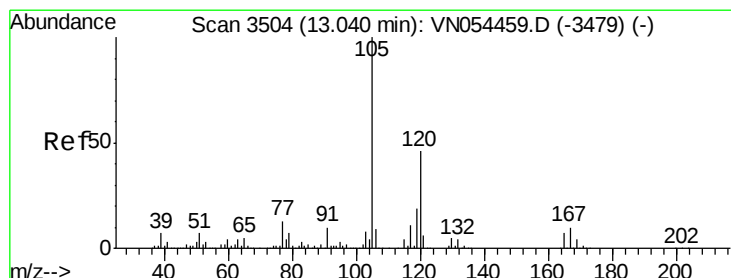
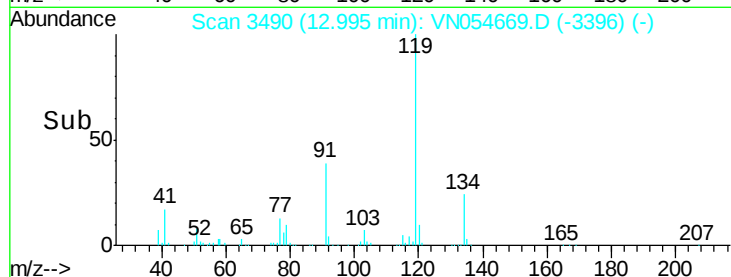
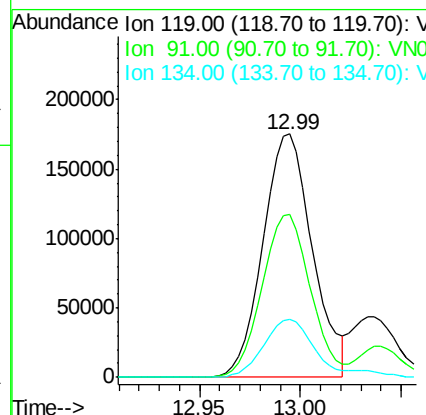
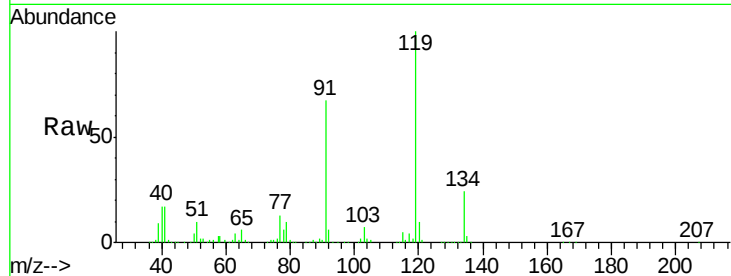
#83
 tert-Butylbenzene
 Concen: 20.820 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299944		
91	65.3	30.9	92.8	
134	25.8	13.2	39.6	

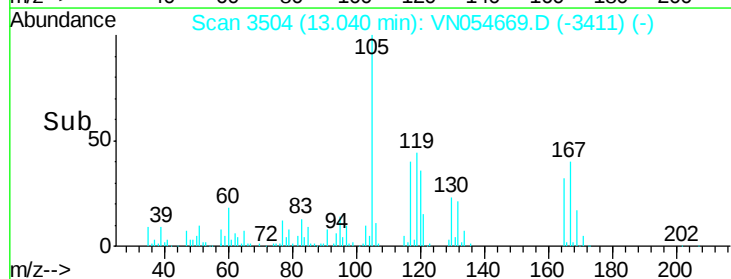
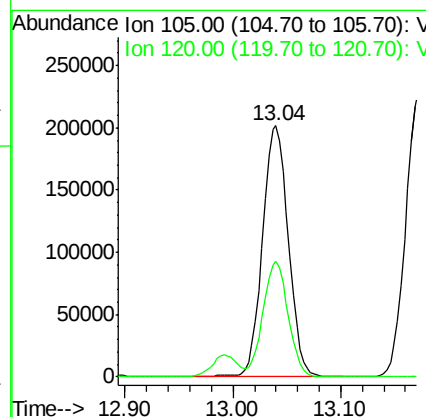
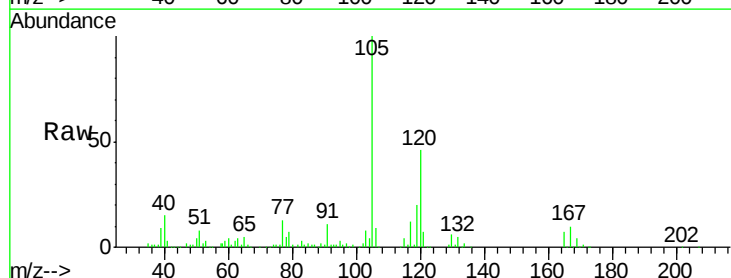
Manual Integrations
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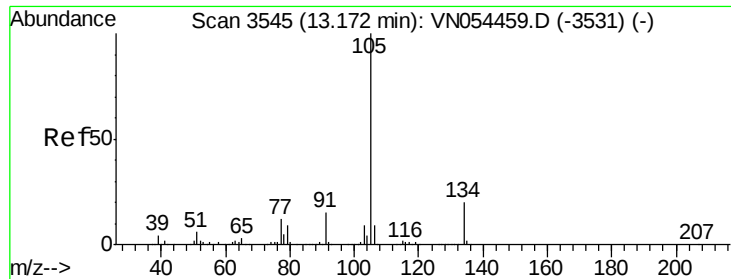
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.608 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334675		
120	44.6	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.406 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion:105 Resp: 366476

Ion Ratio Lower Upper

105 100

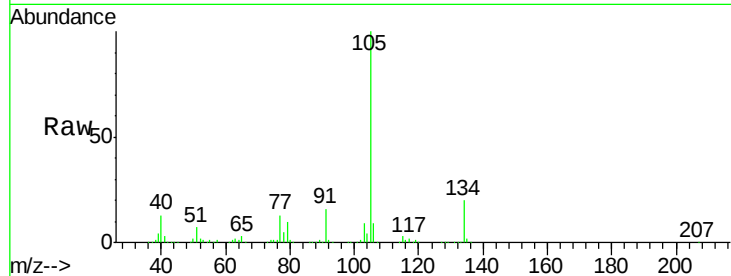
134 20.1 10.7 32.1

Manual Integrations

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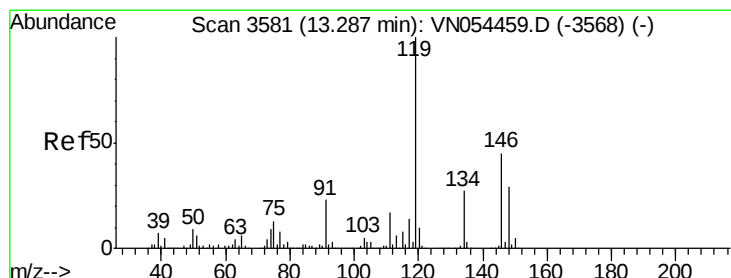
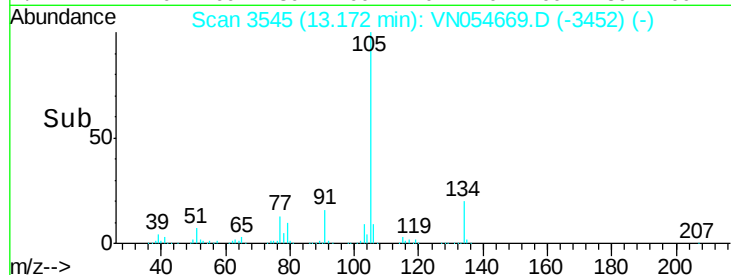
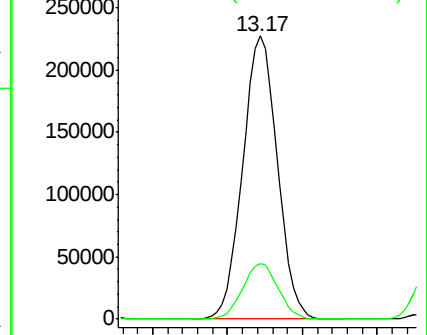
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.893 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

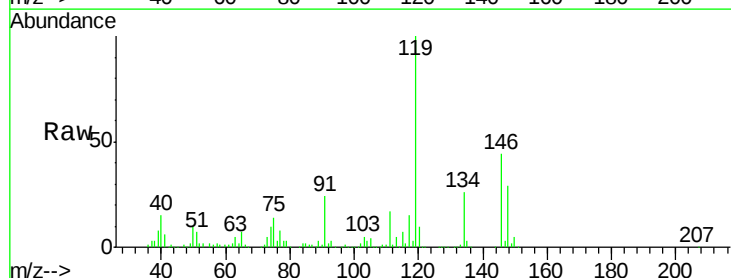
Tgt Ion:119 Resp: 319630

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

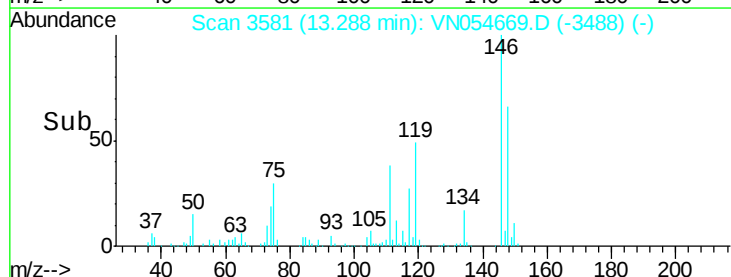
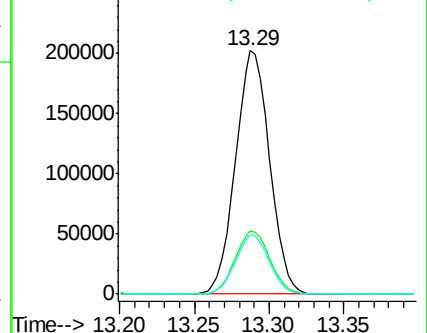
91 24.4 11.1 33.3

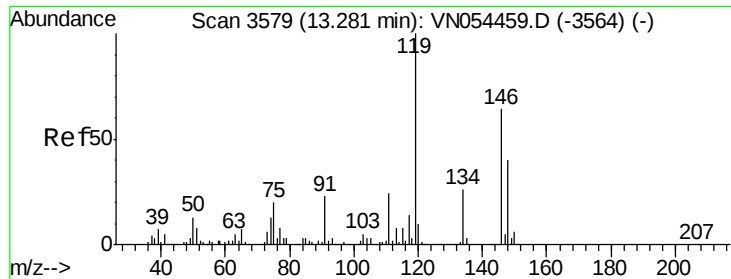


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





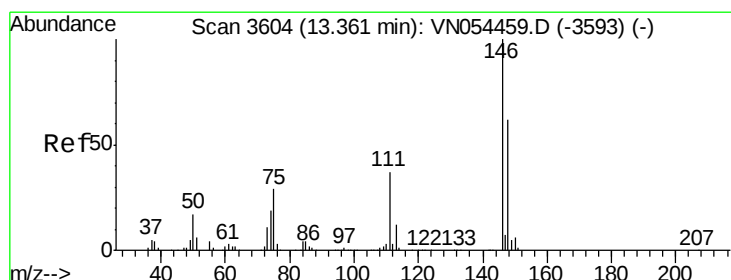
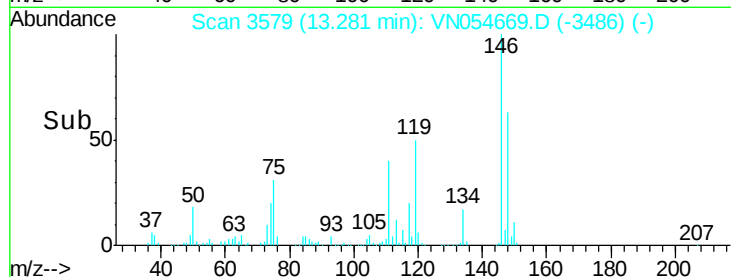
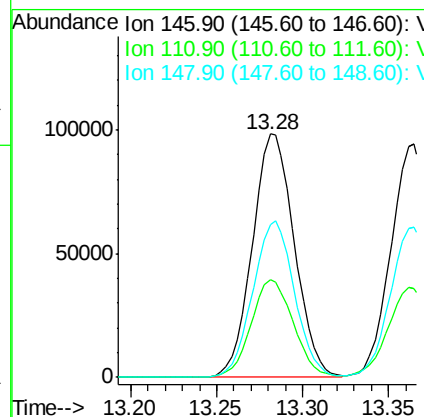
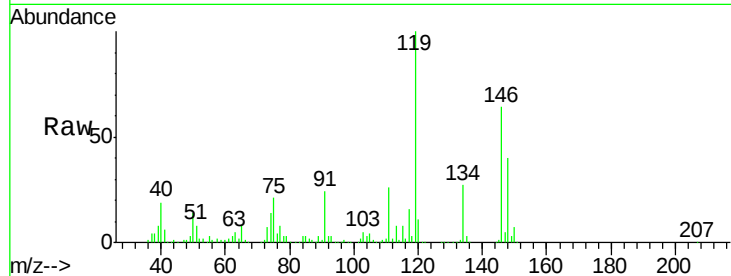
#87
 1,3-Dichlorobenzene
 Concen: 20.061 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166499		
111	40.2	18.8	56.3	
148	63.7	32.2	96.6	

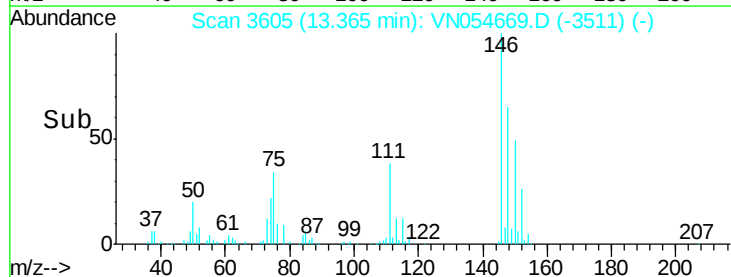
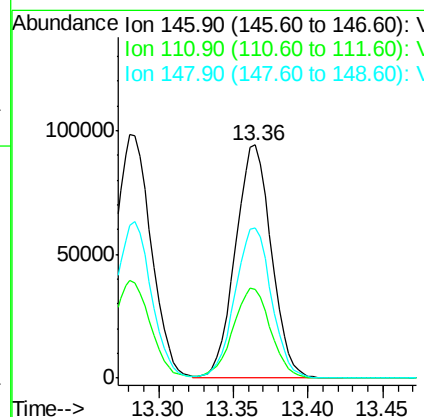
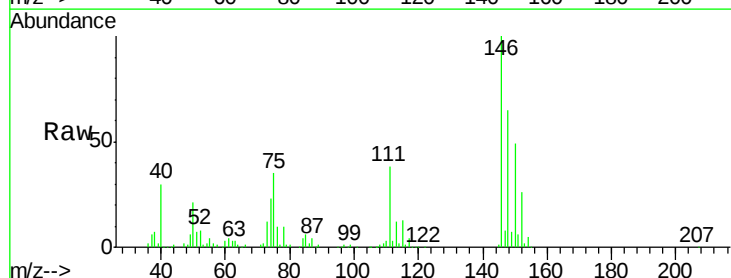
Manual Integrations
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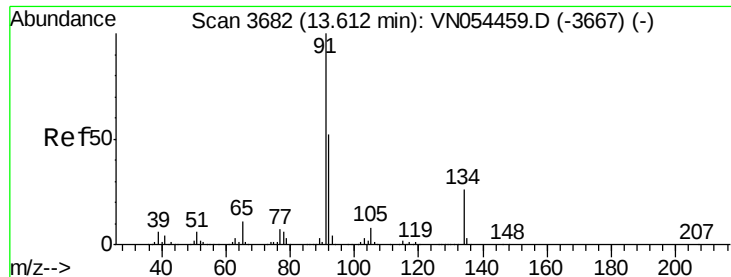
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#88
 1,4-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158276		
111	40.3	18.1	54.1	
148	65.2	32.0	96.0	





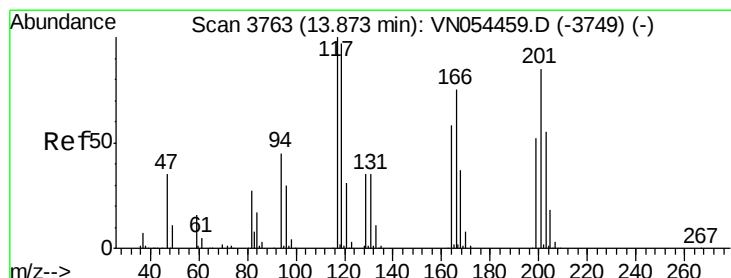
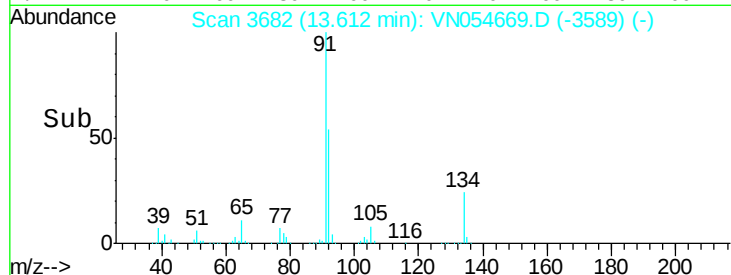
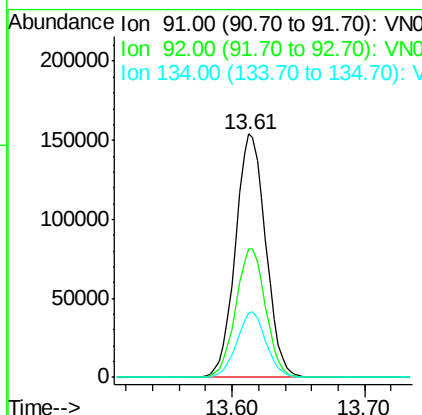
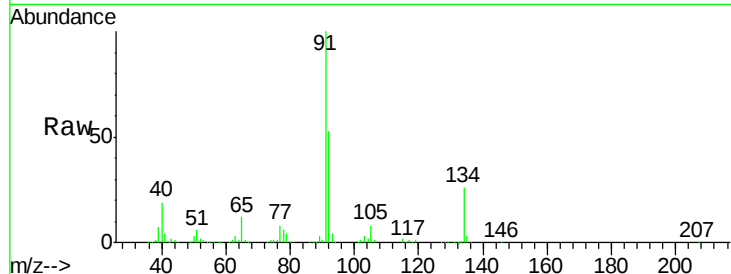
#89
n-Butylbenzene
Concen: 19.393 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	26.0	14.3	42.9

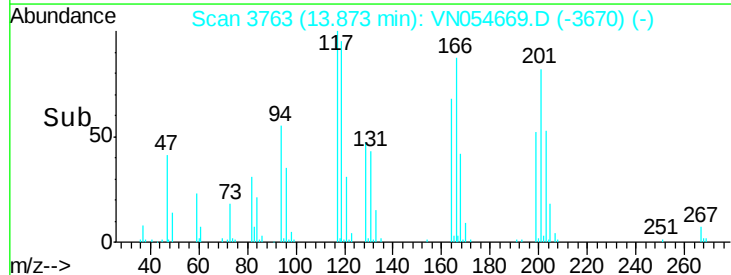
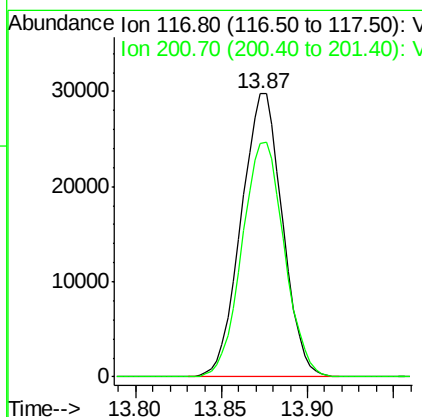
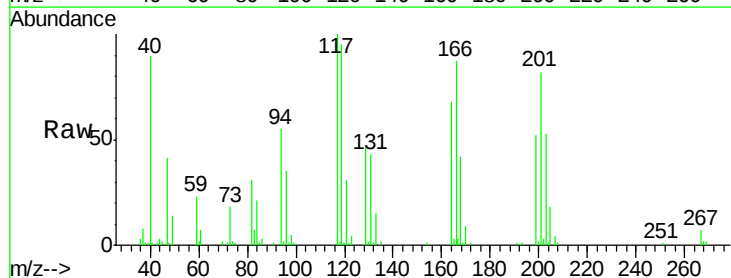
Manual Integrations
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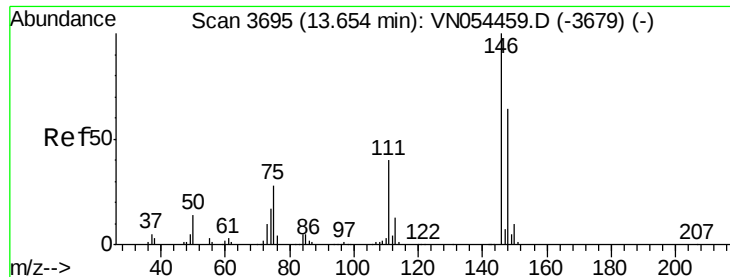
MMDadoda
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#90
Hexachloroethane
Concen: 19.967 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.440 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tot Ion:146 Resp: 164320

Ion Ratio Lower Upper

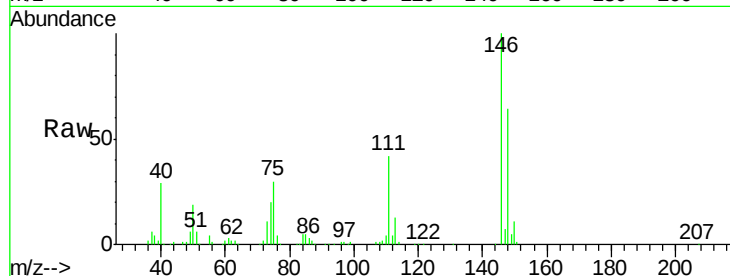
146 100

111 41.2 19.1 57.3

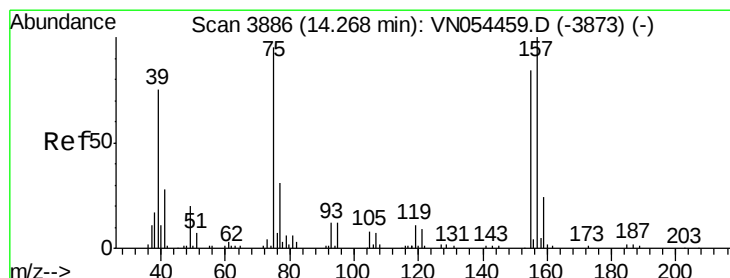
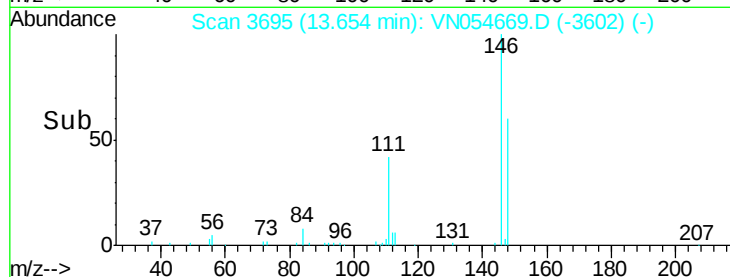
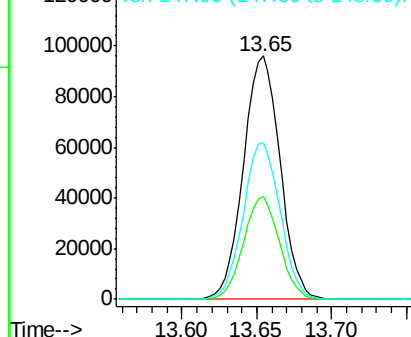
148 64.7 32.4 97.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.263 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054669.D

Acq: 25 Mar 2019 13:40

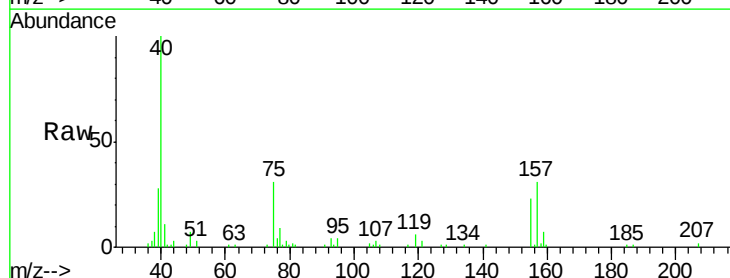
Tgt Ion: 75 Resp: 15053

Ion Ratio Lower Upper

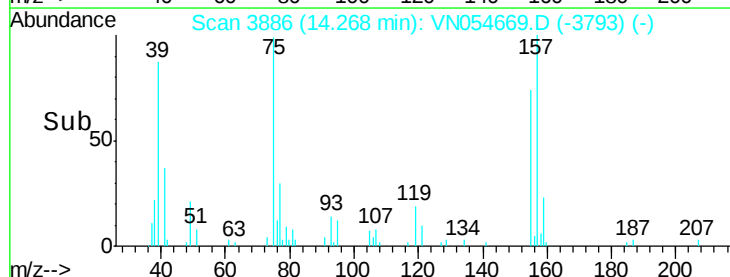
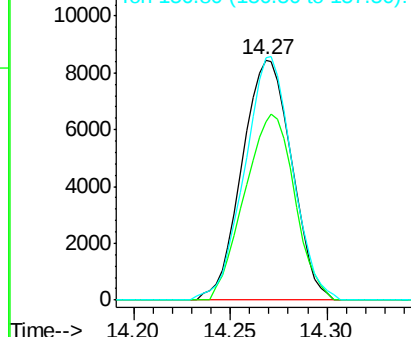
75 100

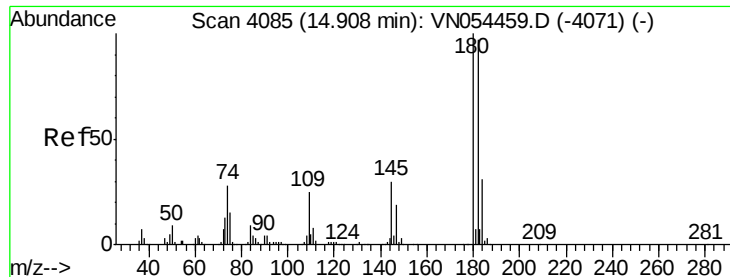
155 78.0 50.1 150.3

157 97.8 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





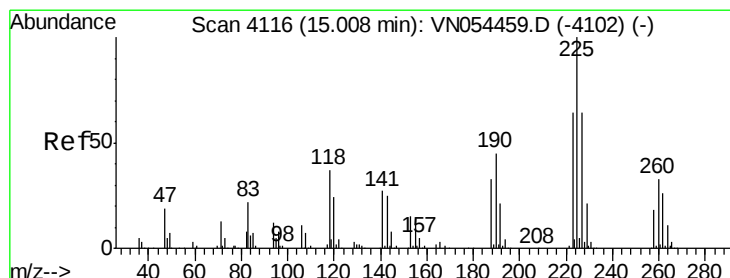
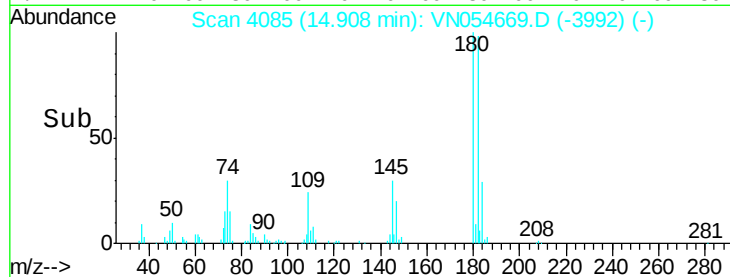
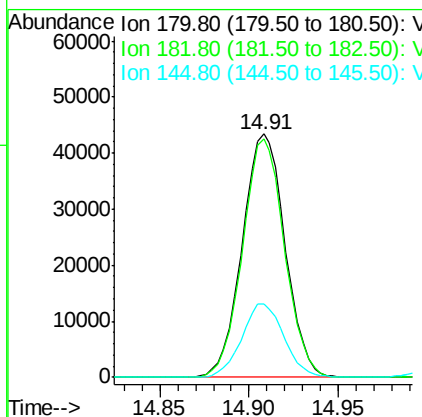
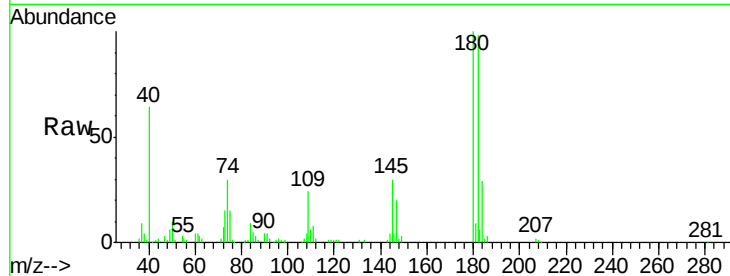
#93
 1,2,4-Trichlorobenzene
 Concen: 18.127 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	29.8	14.2	42.8

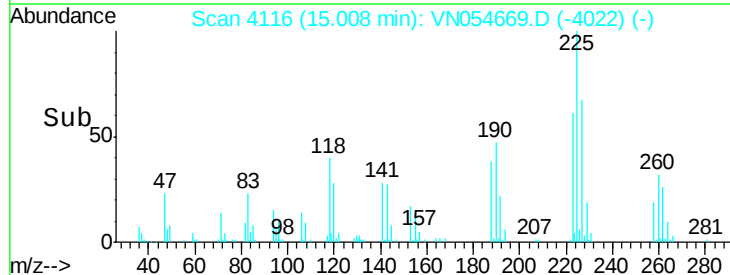
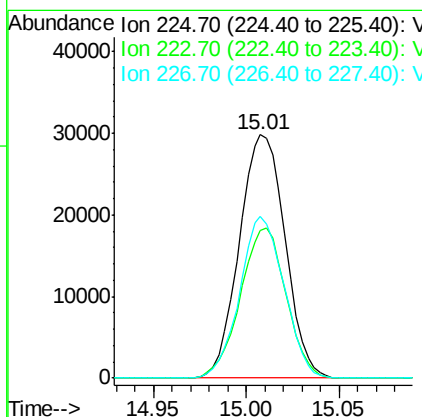
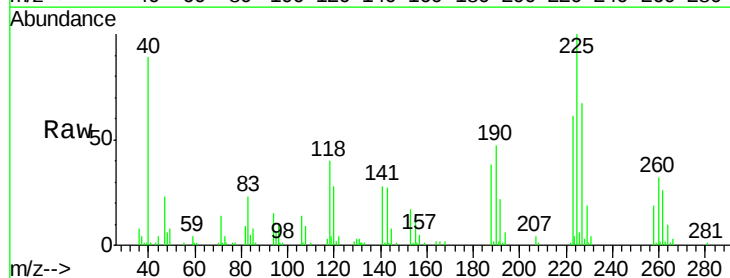
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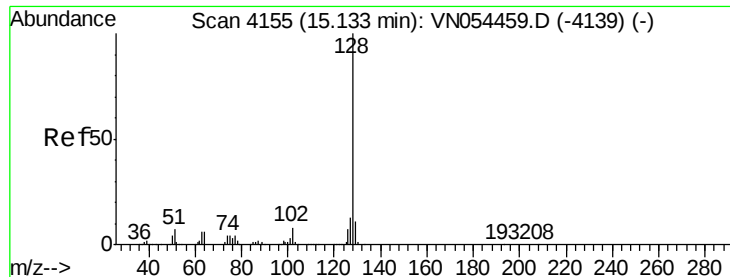
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#94
 Hexachlorobutadiene
 Concen: 21.258 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054669.D
 Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.1	93.5
227	64.1	31.9	95.9





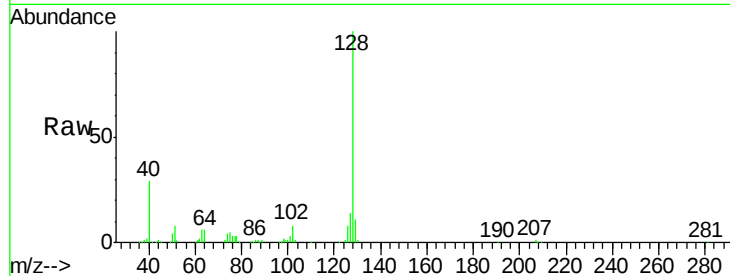
#95
Naphthalene
Concen: 19.158 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

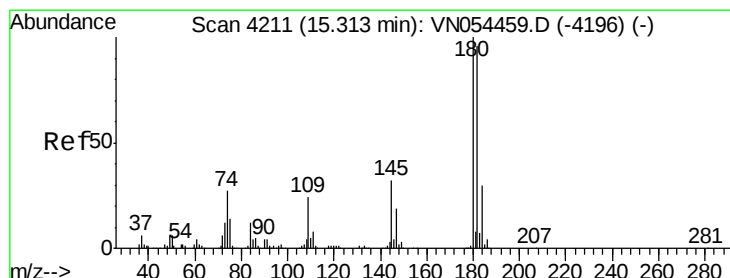
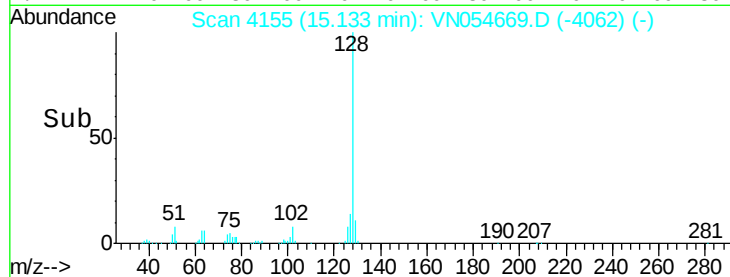
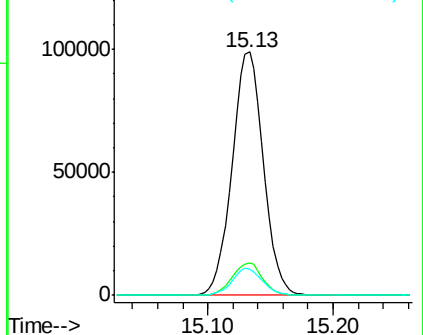
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
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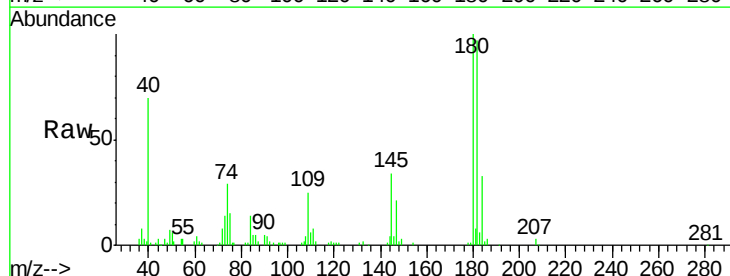


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.767 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054669.D
Acq: 25 Mar 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.6
145	30.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

