

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054640.D
 Acq On : 24 Mar 2019 11:43
 Operator : JC/SP
 Sample : VN0324MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:54:44 AM

Quant Time: Mar 25 06:47:00 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	7.66	168	459694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	725777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287642	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.59	113	226497	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.09	98	845419	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	289459	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94624	21.532	ug/l	97
3) Chloromethane	2.06	50	124549	20.830	ug/l	98
4) Vinyl Chloride	2.19	62	116899	19.473	ug/l	99
5) Bromomethane	2.57	94	66456	17.120	ug/l	98
6) Chloroethane	2.71	64	67942	18.869	ug/l	97
7) Trichlorofluoromethane	3.02	101	148875	20.421	ug/l	100
8) Diethyl Ether	3.41	74	48905	17.443	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	81160	18.943	ug/l	94
10) Methyl Iodide	3.94	142	105479	16.736	ug/l #	89
11) Tert butyl alcohol	4.81	59	35209	101.709	ug/l	98
12) 1,1-Dichloroethene	3.73	96	77493	17.477	ug/l #	75
13) Acrolein	3.61	56	15048	31.500	ug/l	95
14) Allyl chloride	4.31	41	173810	20.817	ug/l #	93
15) Acrylonitrile	4.99	53	184289	106.902	ug/l	99
16) Acetone	3.82	43	186304	108.374	ug/l #	83
17) Carbon Disulfide	4.04	76	214650	18.068	ug/l	99
18) Methyl Acetate	4.33	43	83652	21.832	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	266308	20.580	ug/l	95
20) Methylene Chloride	4.54	84	104237	20.570	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	94743	20.926	ug/l #	81
22) Diisopropyl ether	5.96	45	368620	22.383	ug/l #	94
23) Vinyl Acetate	5.90	43	1270931	109.267	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	192362	21.693	ug/l	98
25) 2-Butanone	6.84	43	249396	113.252	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	135201	21.389	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	110073	20.383	ug/l	89
28) Bromochloromethane	7.19	49	91856	21.045	ug/l #	73
29) Tetrahydrofuran	7.22	42	152477	106.699	ug/l #	85
30) Chloroform	7.37	83	187322	21.646	ug/l	98
31) Cyclohexane	7.65	56	188371	21.096	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	151391	21.205	ug/l	94
36) 1,1-Dichloropropene	7.79	75	142284	20.967	ug/l	95
37) Ethyl Acetate	6.94	43	104522	21.656	ug/l	95
38) Carbon Tetrachloride	7.77	117	132174	20.043	ug/l	95

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

39) Methylcyclohexane	9.08	83	161293	20.778	ug/l	90
40) Benzene	8.04	78	407400	20.994	ug/l	100
41) Methacrylonitrile	7.17	41	51805	17.600	ug/l	92
42) 1,2-Dichloroethane	8.12	62	147849	20.921	ug/l	97
43) Isopropyl Acetate	8.17	43	172250	21.132	ug/l #	93
44) Trichloroethene	8.83	130	107375	19.903	ug/l	94
45) 1,2-Dichloropropane	9.12	63	115279	22.124	ug/l	98
46) Dibromomethane	9.21	93	66685	21.452	ug/l	87
47) Bromodichloromethane	9.40	83	136735	21.195	ug/l	99
48) Methyl methacrylate	9.20	41	90282	20.406	ug/l #	85
49) 1,4-Dioxane	9.20	88	20509	414.659	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	489428	108.341	ug/l	94
52) Toluene	10.16	92	247282	20.719	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121618	19.305	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	154521	20.889	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	88609	20.654	ug/l	96
56) Ethyl methacrylate	10.43	69	114126	19.819	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	159378	21.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	211201	89.071	ug/l	89
59) 2-Hexanone	10.75	43	325739	110.392	ug/l	90
60) Dibromochloromethane	10.90	129	90875	19.906	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84952	20.029	ug/l	100
64) Tetrachloroethene	10.63	164	106569	20.359	ug/l	95
65) Chlorobenzene	11.43	112	256453	19.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95180	20.659	ug/l	98
67) Ethyl Benzene	11.51	91	474326	20.920	ug/l	97
68) m/p-Xylenes	11.62	106	351810	40.965	ug/l	96
69) o-Xylene	11.95	106	172930	20.619	ug/l	97
70) Styrene	11.96	104	281302	20.654	ug/l	97
71) Bromoform	12.13	173	52196	17.924	ug/l #	98
73) Isopropylbenzene	12.25	105	460294	20.819	ug/l	97
74) N-amyl acetate	12.07	43	137520	21.632	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	106857	21.172	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	91516m	21.020	ug/l	
77) Bromobenzene	12.53	156	110505	20.153	ug/l	85
78) n-propylbenzene	12.59	91	510452	21.292	ug/l	96
79) 2-Chlorotoluene	12.67	91	304828	20.389	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	377996	20.860	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21153	18.858	ug/l #	76
82) 4-Chlorotoluene	12.77	91	302683	20.887	ug/l	95
83) tert-Butylbenzene	12.99	119	333358	21.135	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	368398	20.720	ug/l	98
85) sec-Butylbenzene	13.17	105	412268	20.967	ug/l	98
86) p-Isopropyltoluene	13.29	119	373577	21.237	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	187105	20.591	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	182165	20.604	ug/l	98
89) n-Butylbenzene	13.61	91	292639	21.275	ug/l	97
90) Hexachloroethane	13.87	117	55627	20.372	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	183380	20.835	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15498	20.936	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	86687	19.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	62287	23.977	ug/l	100
95) Naphthalene	15.13	128	183261	18.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	85029	19.472	ug/l	98

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

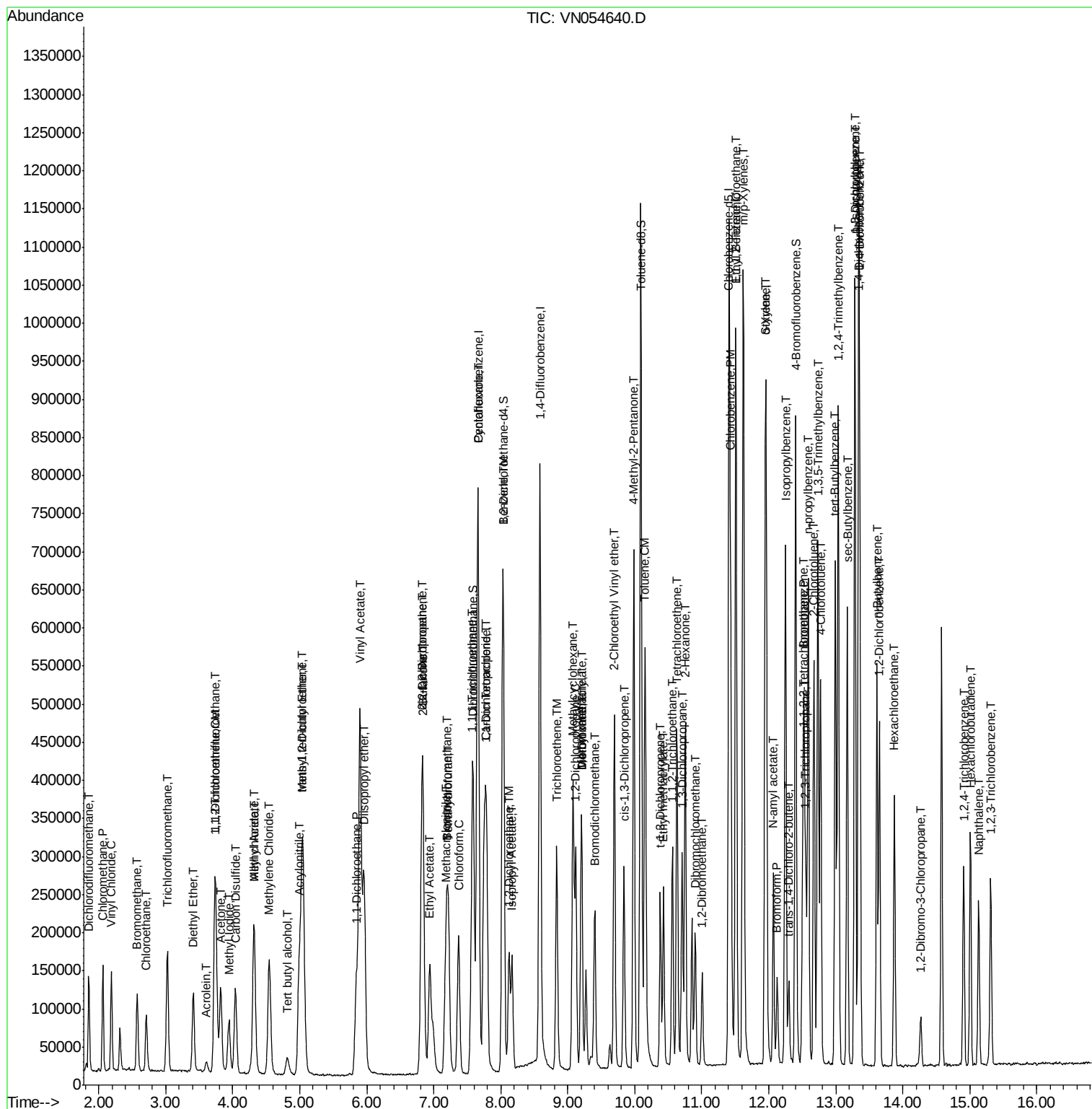
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
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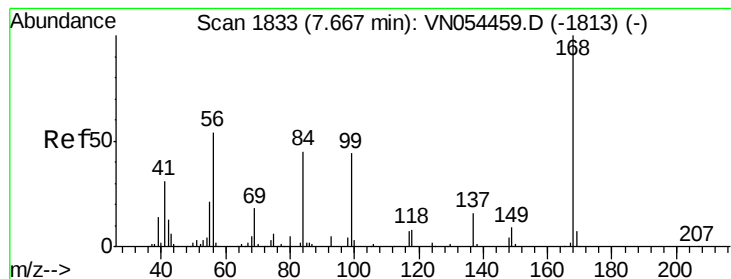
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion:168 Resp: 459694

Ion Ratio Lower Upper

168 100

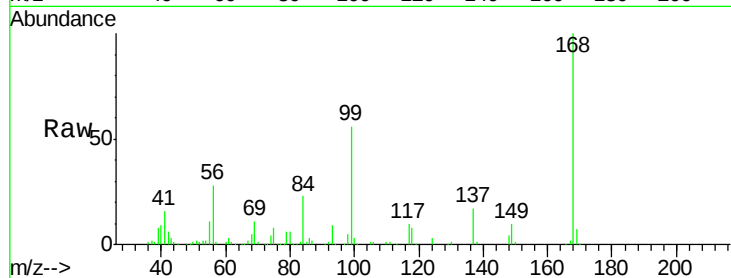
99 55.1 37.1 55.7

Manual Integrations

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3/25/2019 9:54:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

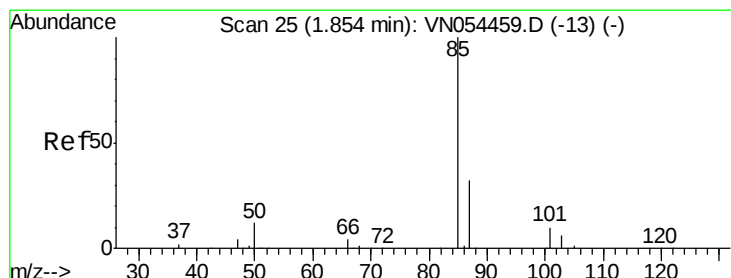
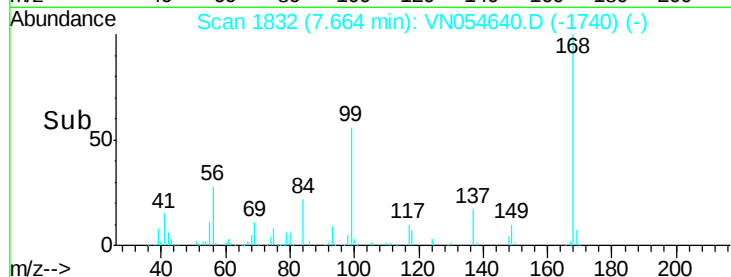
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.532 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054640.D

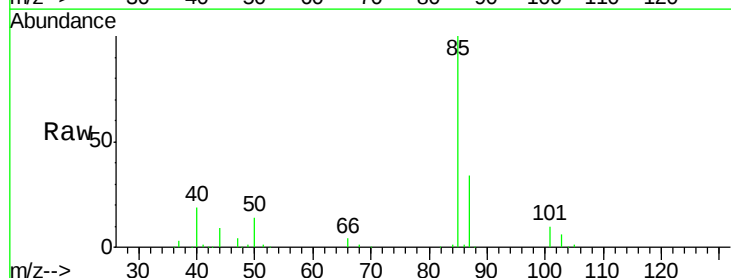
Acq: 24 Mar 2019 11:43

Tgt Ion: 85 Resp: 94624

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

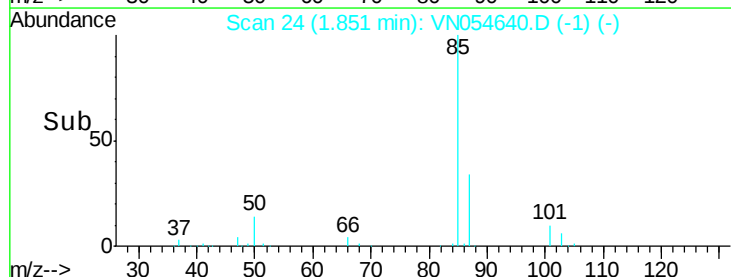
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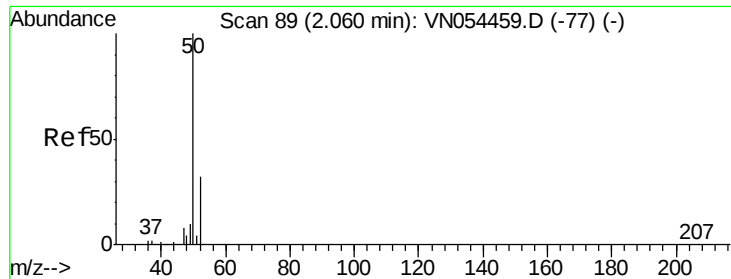
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.830 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 50 Resp: 124549

Ion Ratio Lower Upper

50 100

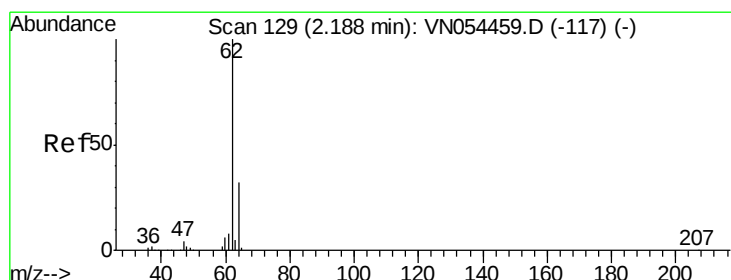
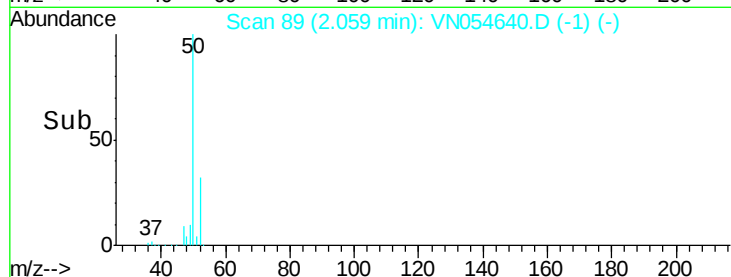
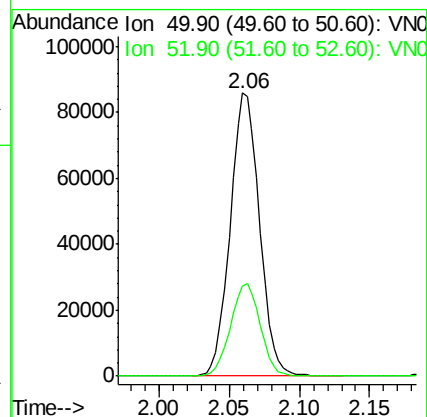
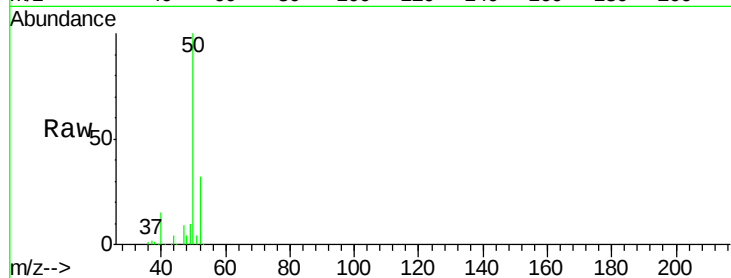
52 32.0 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054640.D

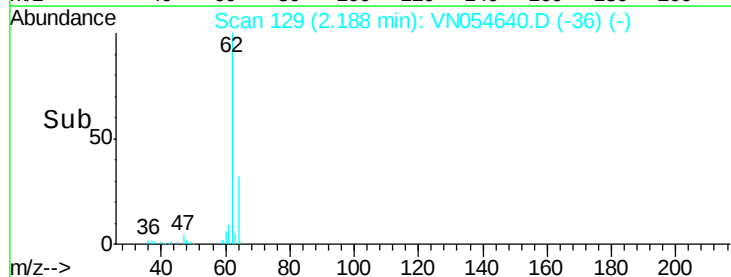
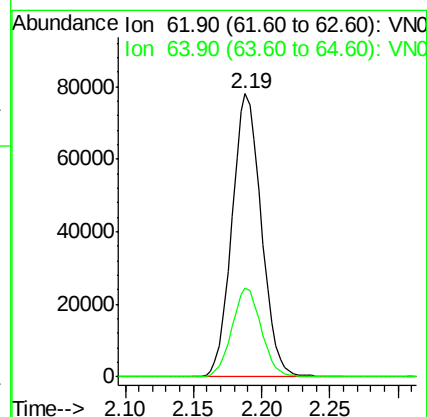
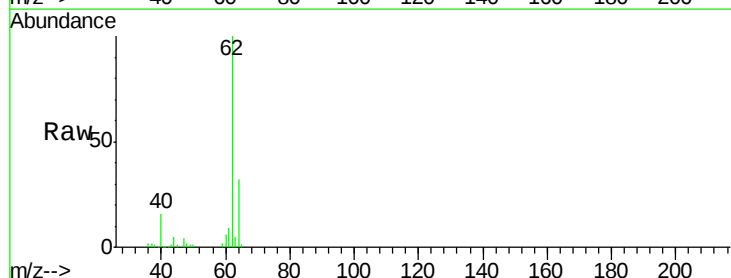
Acq: 24 Mar 2019 11:43

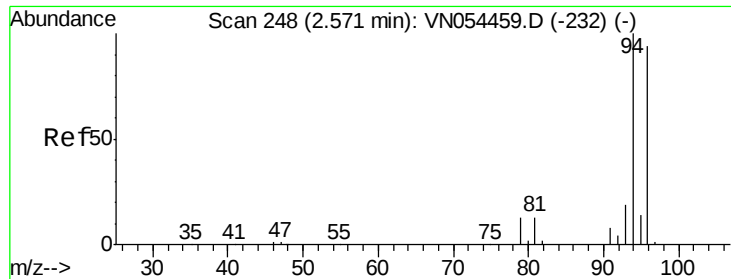
Tgt Ion: 62 Resp: 116899

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 17.120 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 94 Resp: 66456

Ion Ratio Lower Upper

94 100

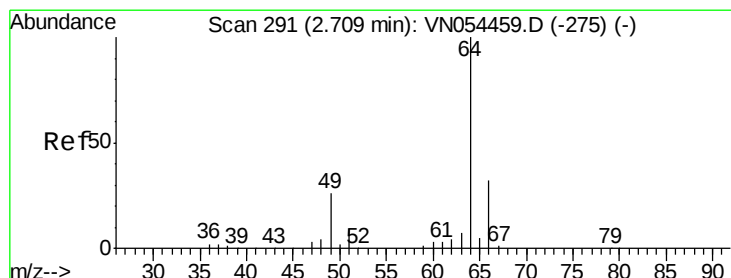
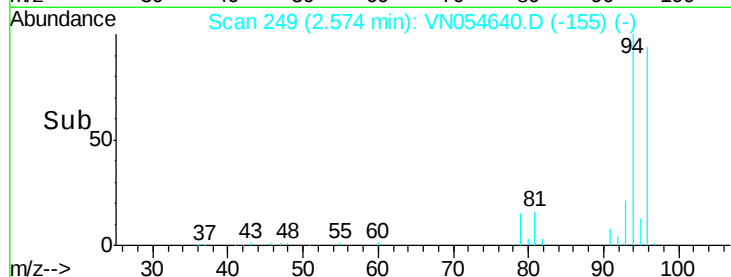
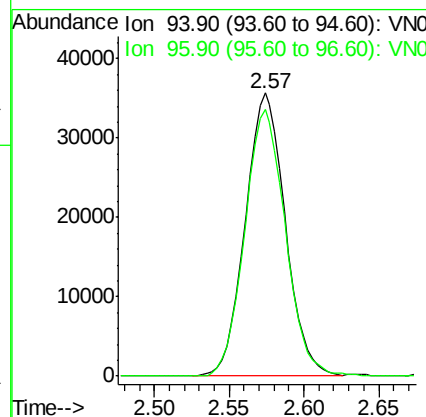
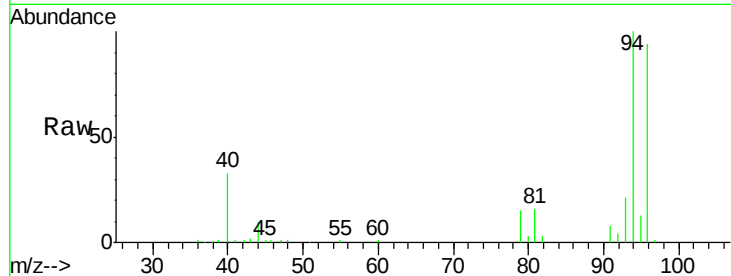
96 94.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 18.869 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054640.D

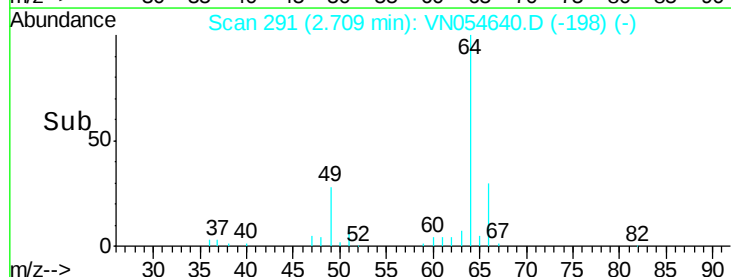
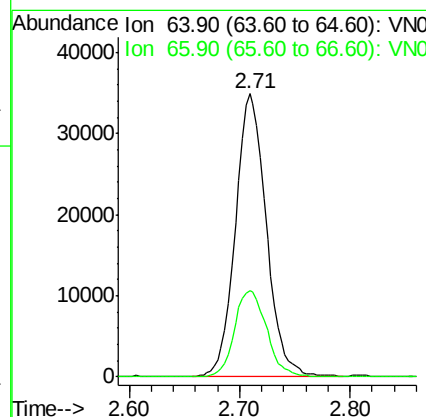
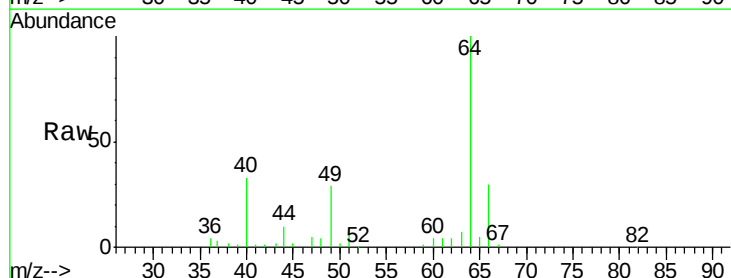
Acq: 24 Mar 2019 11:43

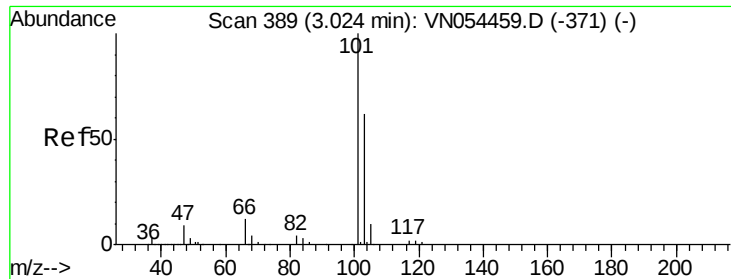
Tgt Ion: 64 Resp: 67942

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5





#7

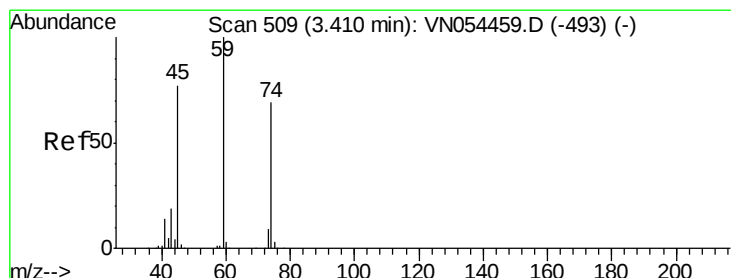
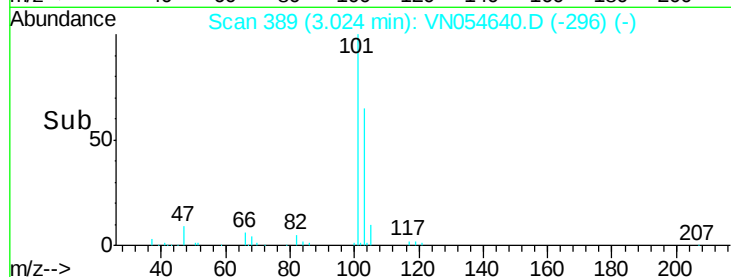
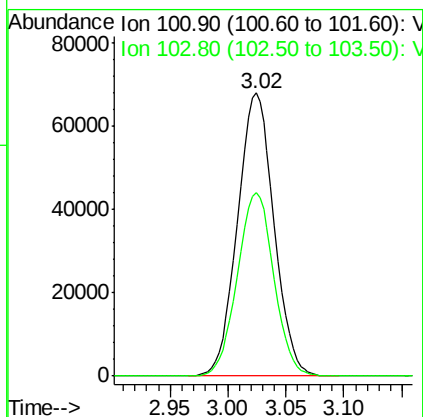
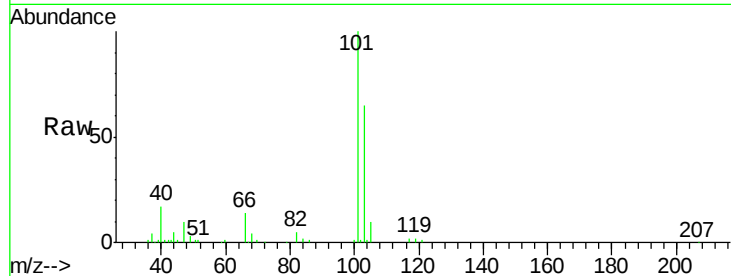
Trichlorofluoromethane
Concen: 20.421 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	148875		
103	64.6	51.4	77.2	

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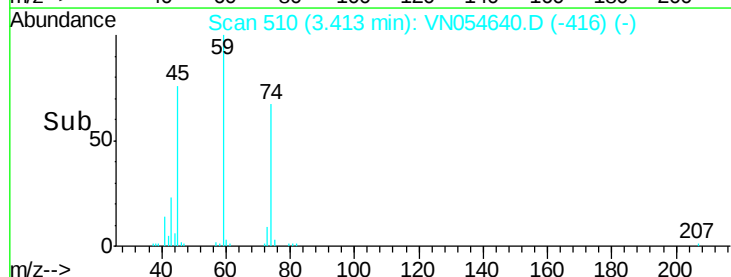
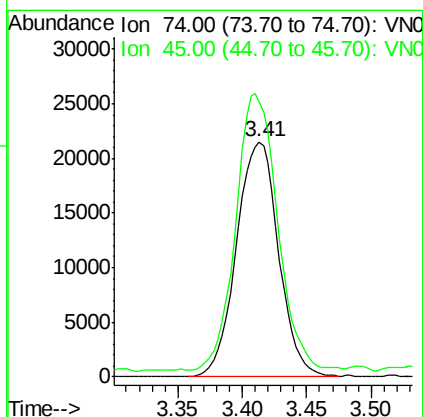
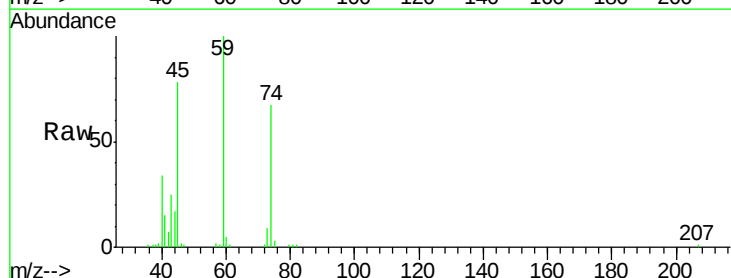
MMDadoda
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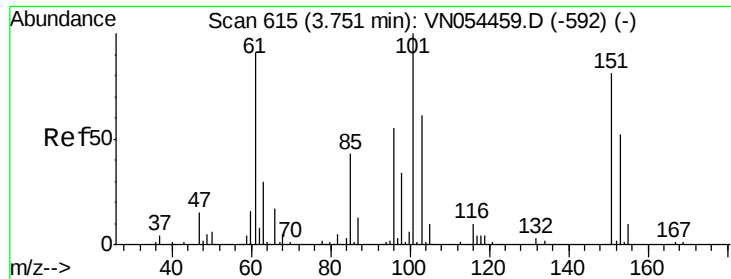


#8

Diethyl Ether
Concen: 17.443 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48905		
45	116.5	43.1	129.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.943 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

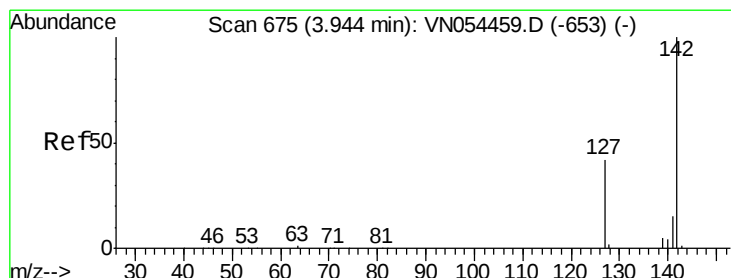
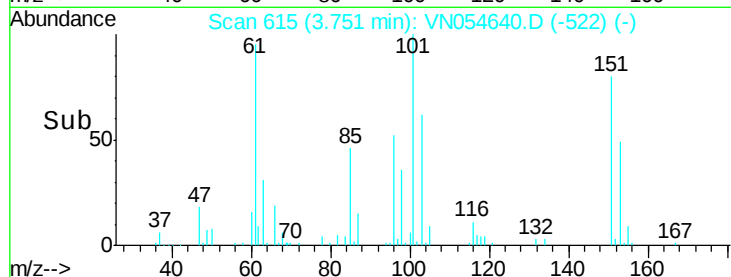
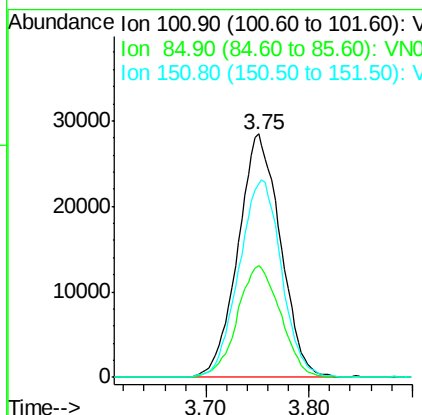
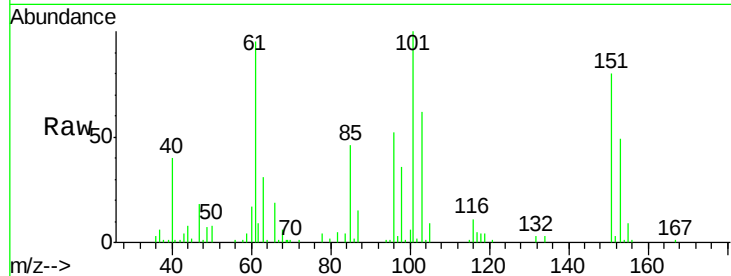
ClientSampleId :

VN0324MBS01

Tot Ion:	101	Resp:	81160
Ion Ratio	Lower	Upper	
101	100		
85	46.7	32.4	48.6
151	81.2	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.736 ug/l

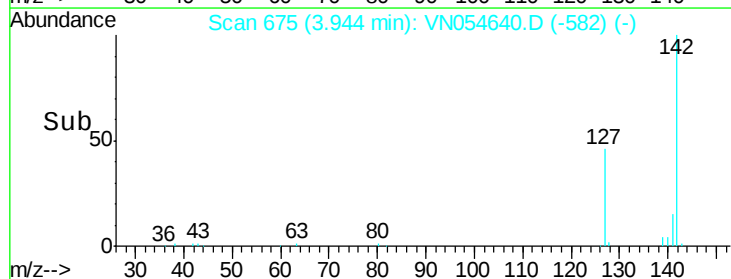
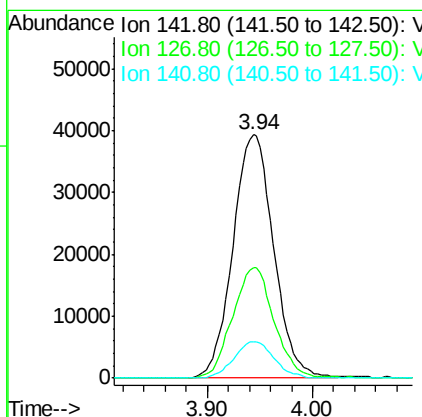
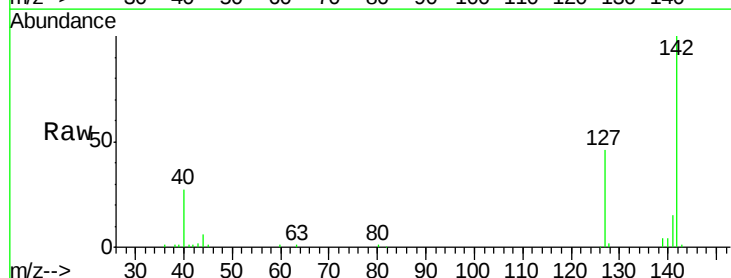
RT: 3.94 min Scan# 675

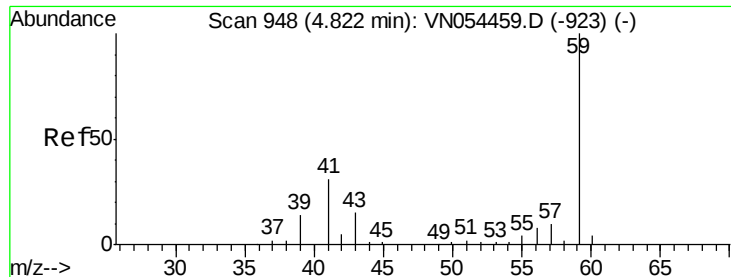
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	142	Resp:	105479
Ion Ratio	Lower	Upper	
142	100		
127	46.3	30.3	45.5#
141	14.7	11.2	16.8





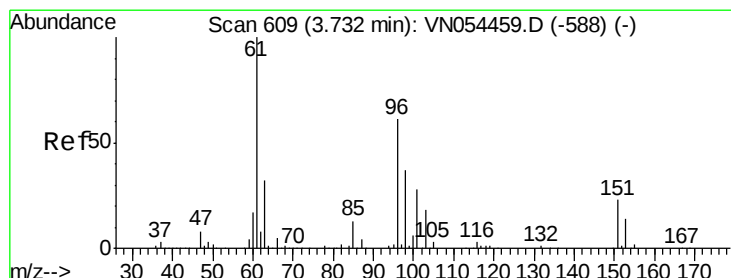
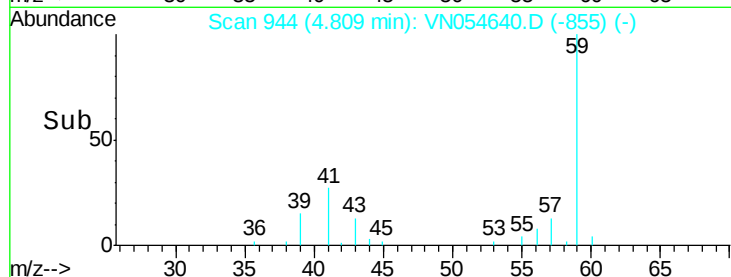
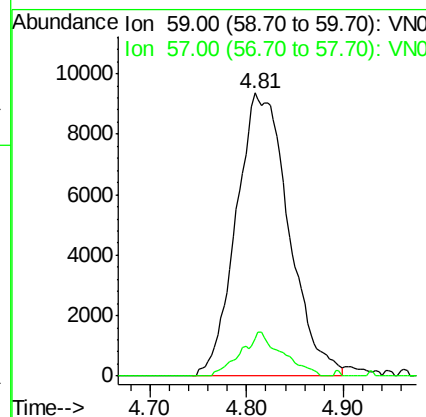
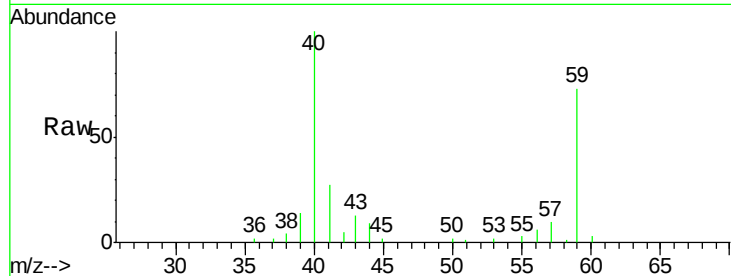
#11
Tert butyl alcohol
Concen: 101.709 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0324MBS01

Tot Ion: 59 Resp: 35209
Ion Ratio Lower Upper
59 100
57 12.2 9.0 13.6

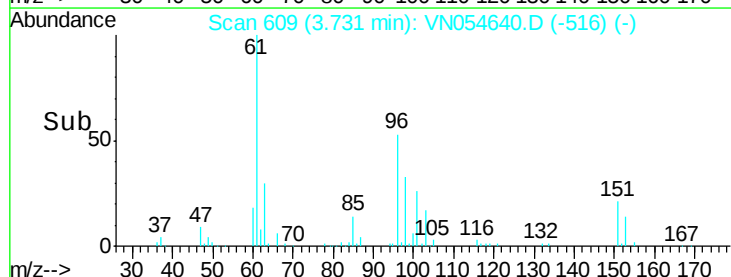
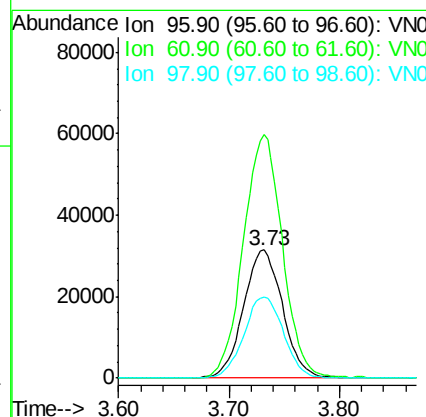
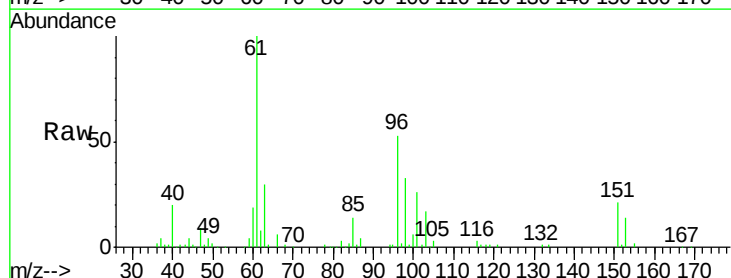
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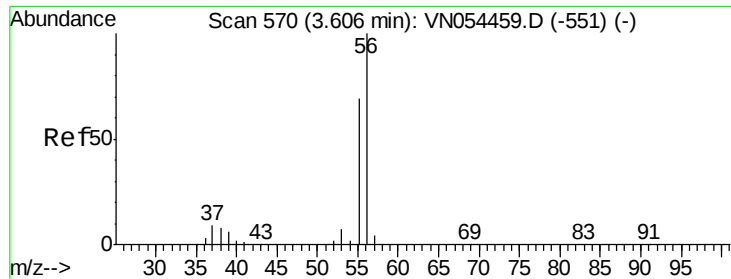
MMDadoda
3/25/2019 9:54:44 AM



#12
1,1-Dichloroethene
Concen: 17.477 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 96 Resp: 77493
Ion Ratio Lower Upper
96 100
61 190.0 116.5 174.7#
98 62.9 51.0 76.4





#13

Acrolein

Concen: 31.500 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 56 Resp: 15048

Ion Ratio Lower Upper

56 100

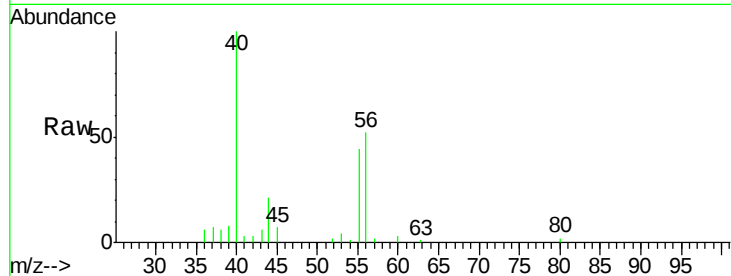
55 75.2 56.7 85.1

Manual Integrations

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MMDadoda

3/25/2019 9:54:44 AM

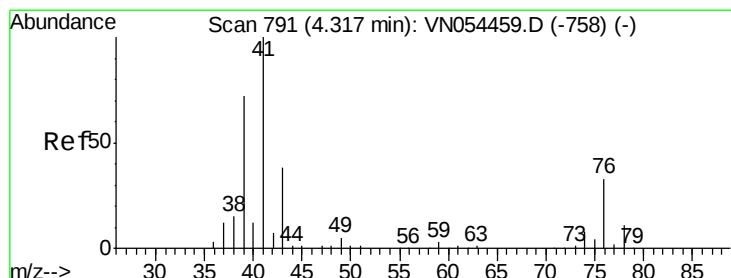
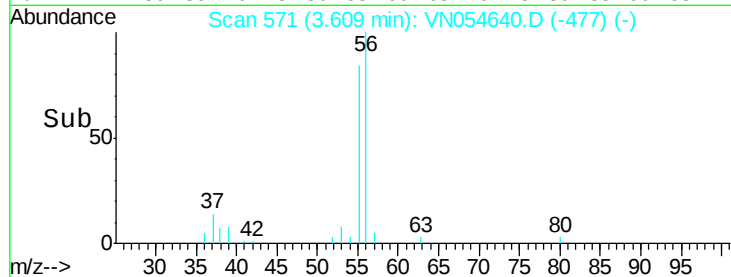


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



#14

Allyl chloride

Concen: 20.817 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

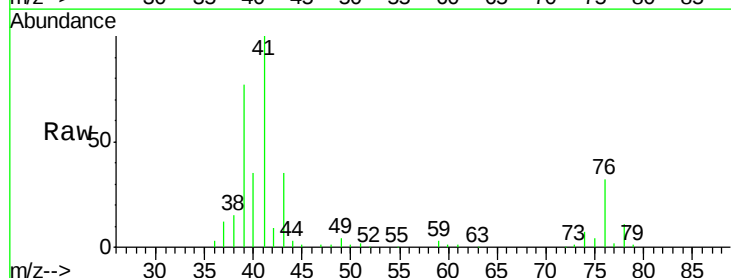
Tgt Ion: 41 Resp: 173810

Ion Ratio Lower Upper

41 100

39 70.6 58.2 87.4

76 30.0 31.7 47.5#



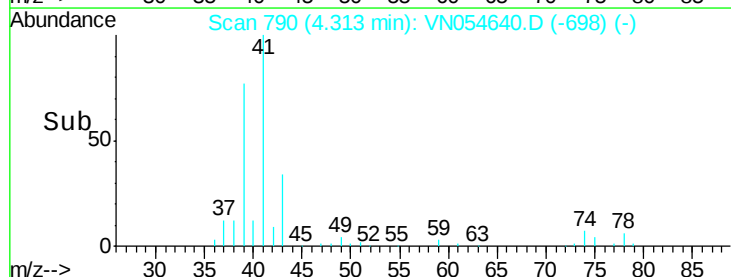
Abundance Ion 41.00 (40.70 to 41.70): VN0

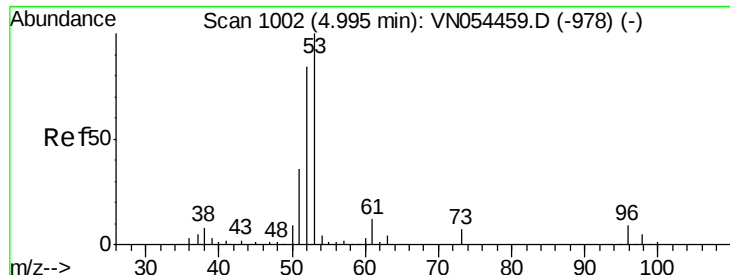
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

Time-->





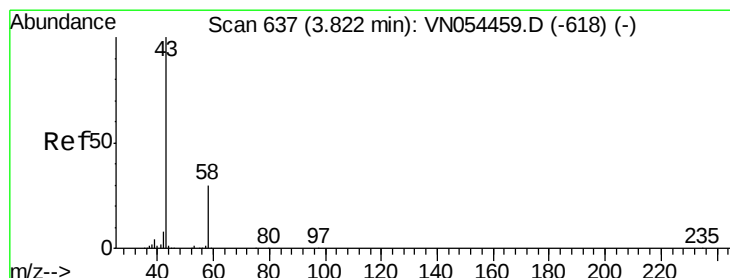
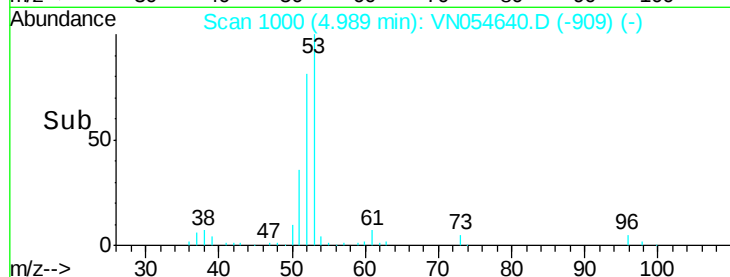
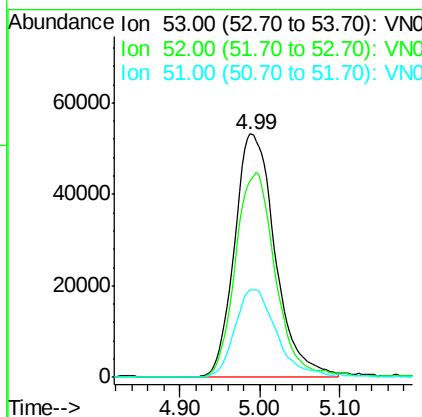
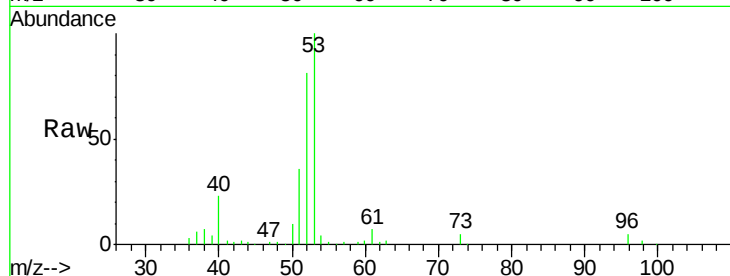
#15
 Acrylonitrile
 Concen: 106.902 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.8	29.6	44.4

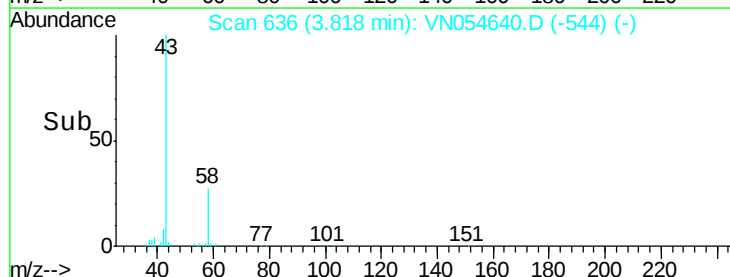
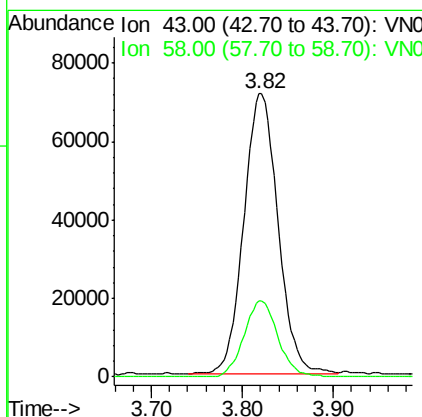
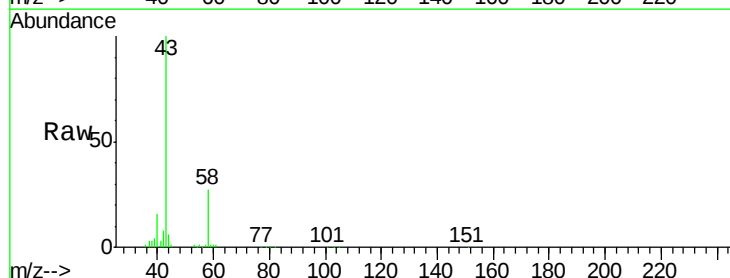
Manual Integrations
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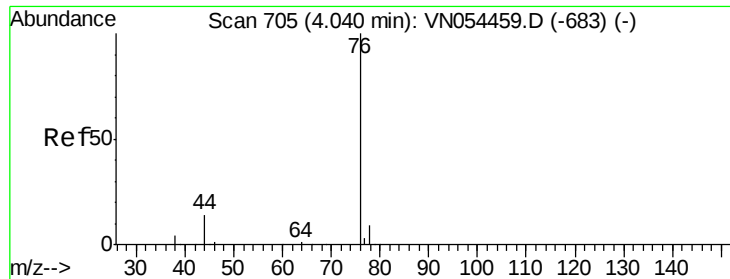
MMDadoda
 3/25/2019 9:54:44 AM



#16
 Acetone
 Concen: 108.374 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.3	29.9	44.9#





#17

Carbon Disulfide

Concen: 18.068 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 76 Resp: 214650

Ion Ratio Lower Upper

76 100

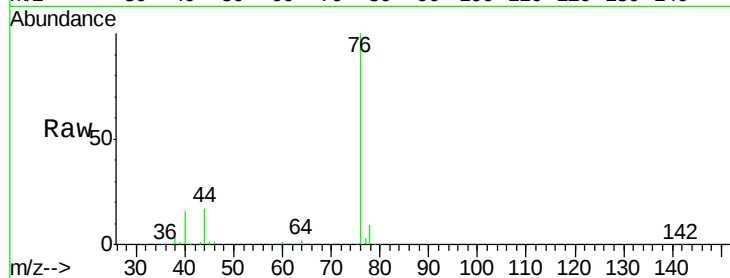
78 8.9 7.5 11.3

Manual Integrations

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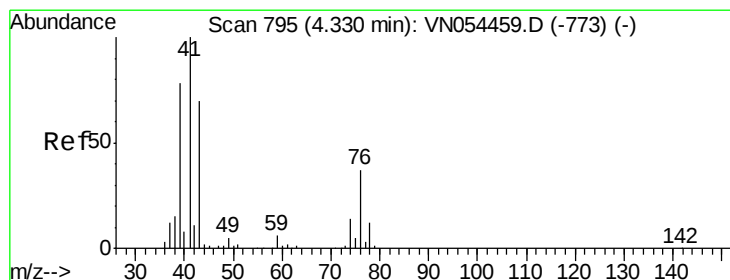
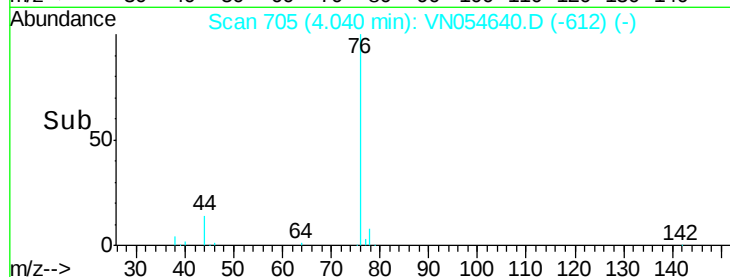
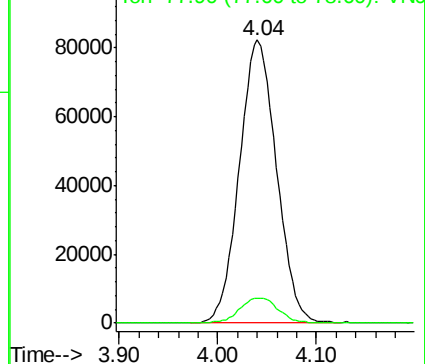
MMDadoda

3/25/2019 9:54:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.832 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054640.D

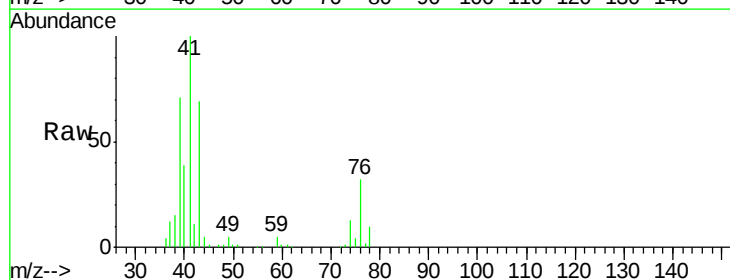
Acq: 24 Mar 2019 11:43

Tgt Ion: 43 Resp: 83652

Ion Ratio Lower Upper

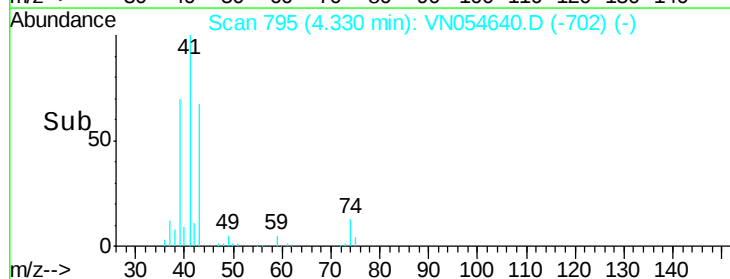
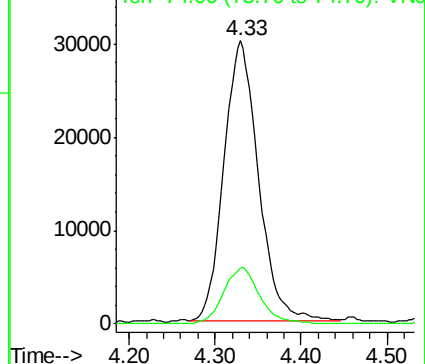
43 100

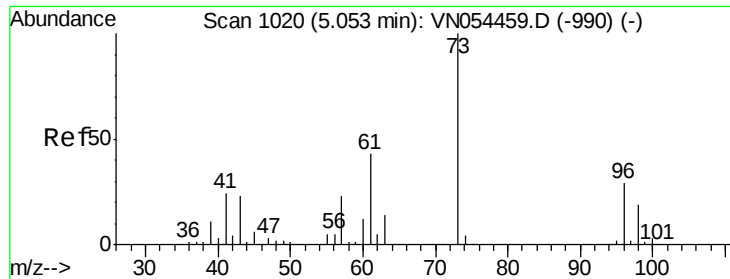
74 21.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





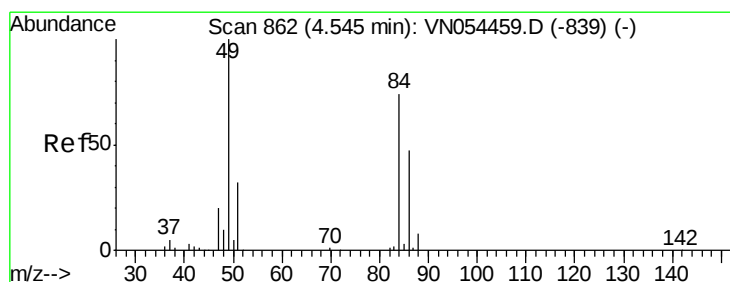
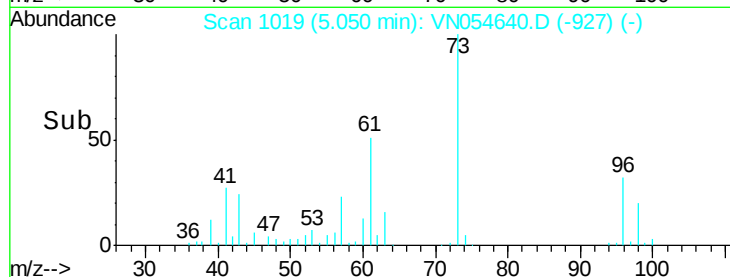
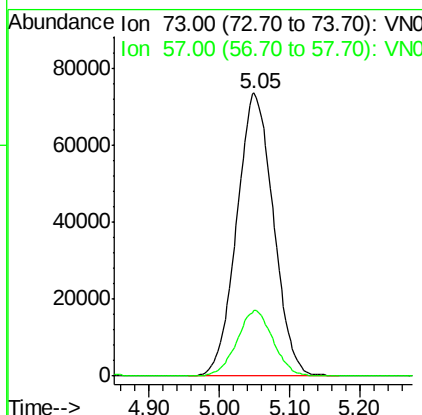
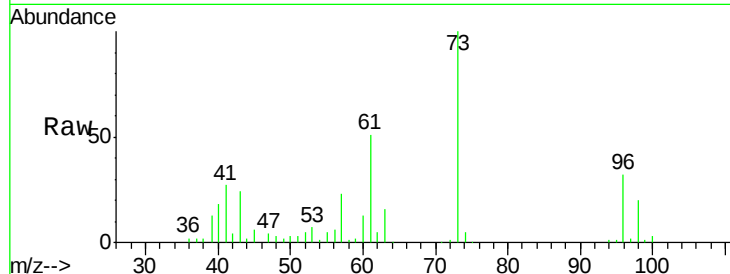
#19
Methvl tert-butvl Ether
Concen: 20.580 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion: 73 Resp: 266308
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

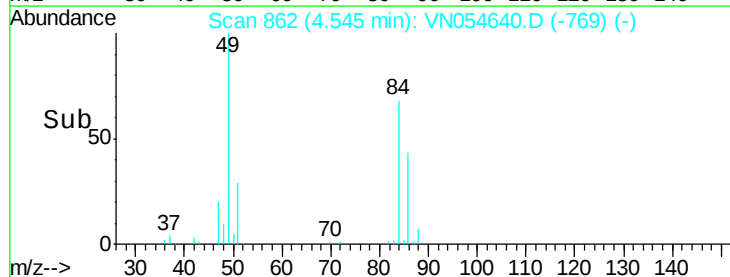
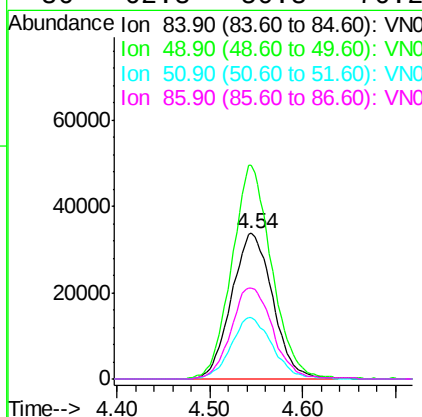
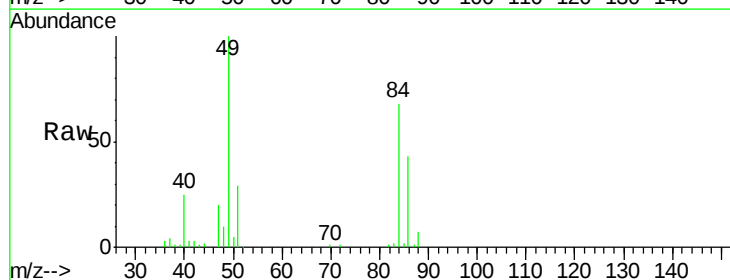
Manual Integrations
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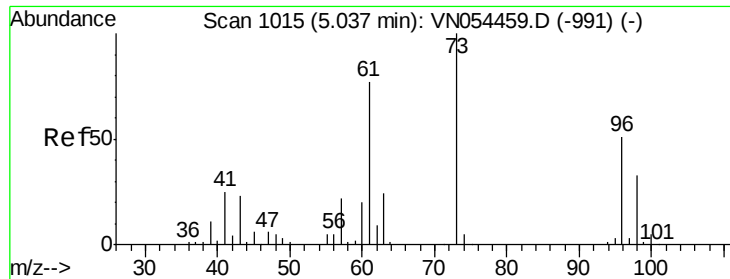
MMDadoda
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#20
Methylene Chloride
Concen: 20.570 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 84 Resp: 104237
Ion Ratio Lower Upper
84 100
49 146.3 89.7 134.5#
51 42.2 28.2 42.4
86 62.8 50.8 76.2





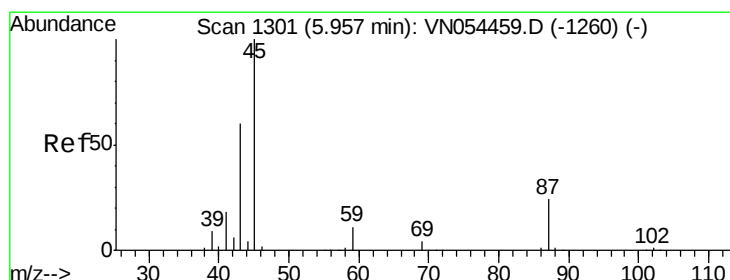
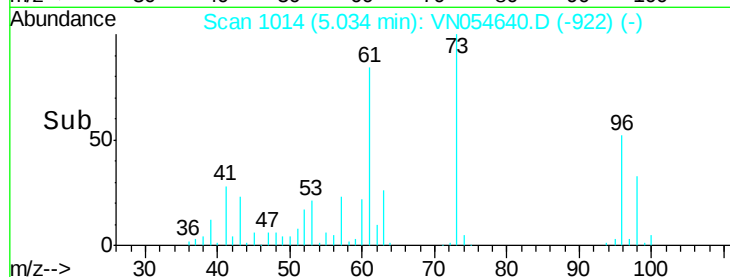
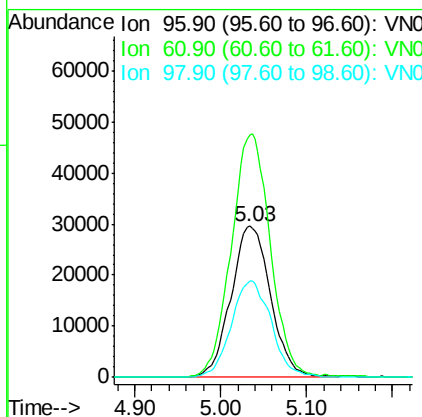
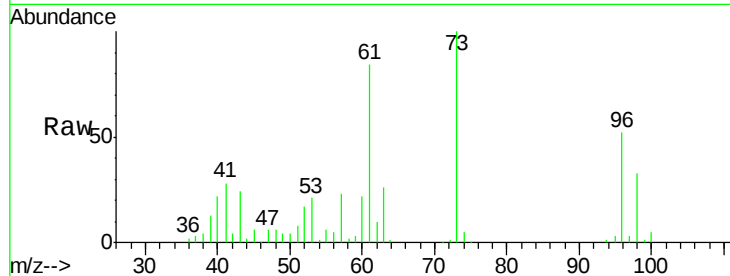
#21
trans-1,2-Dichloroethene
Concen: 20.926 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion: 96 Resp: 94743
Ion Ratio Lower Upper
96 100
61 160.2 102.8 154.2#
98 63.5 50.0 75.0

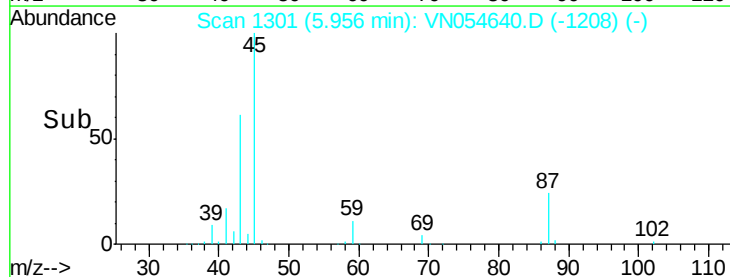
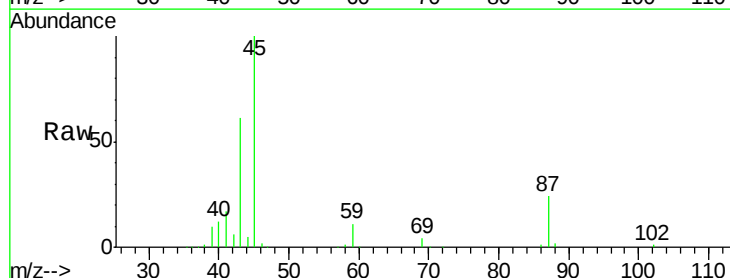
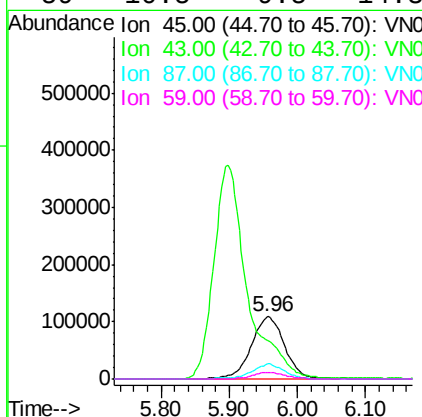
Manual Integrations
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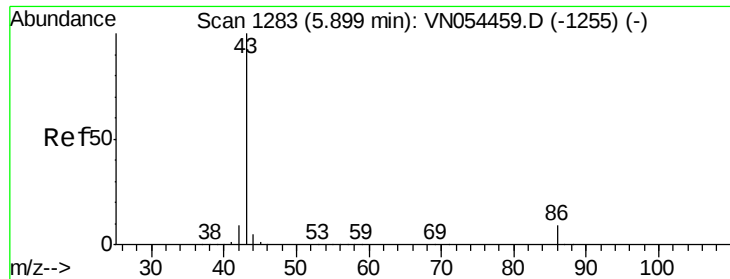
MMDadoda
3/25/2019 9:54:44 AM



#22
Diisopropyl ether
Concen: 22.383 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 45 Resp: 368620
Ion Ratio Lower Upper
45 100
43 58.8 48.2 72.2
87 23.4 24.9 37.3#
59 10.5 9.5 14.3





#23

Vinyl Acetate

Concen: 109.267 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 43 Resp: 1270931

Ion Ratio Lower Upper

43 100

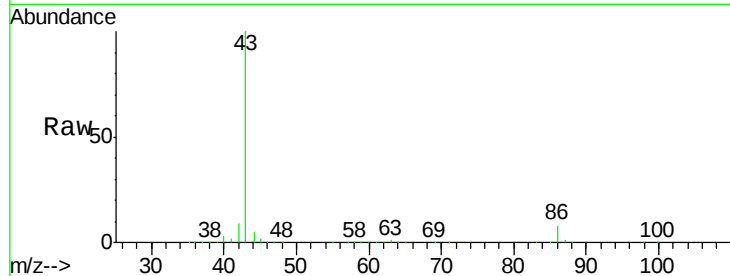
86 8.5 9.1 13.7#

Manual Integrations

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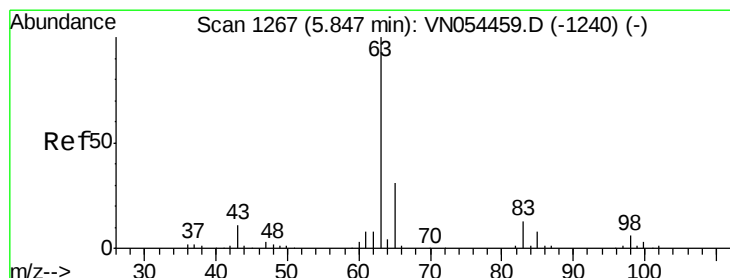
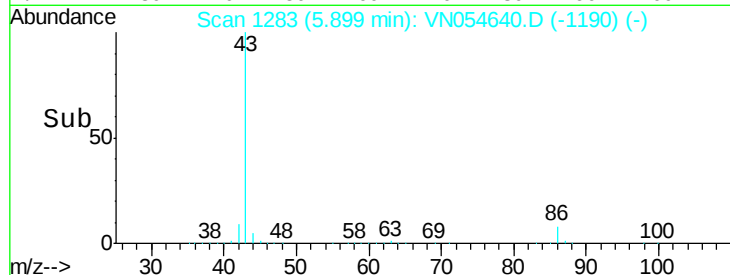
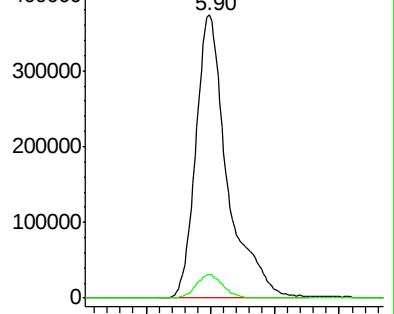
MMDadoda

3/25/2019 9:54:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN054640.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054640.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 21.693 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

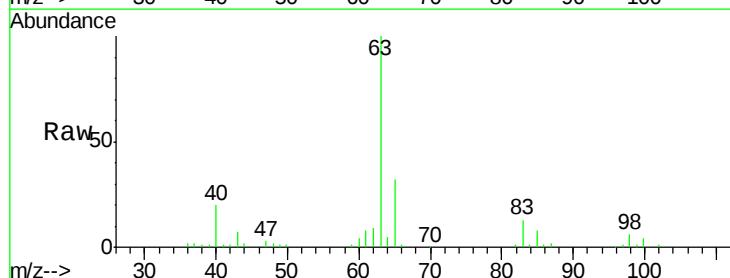
Tgt Ion: 63 Resp: 192362

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

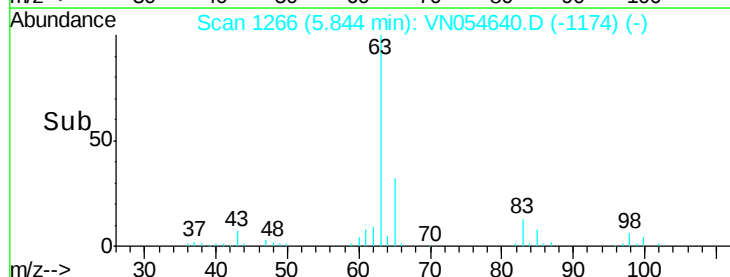
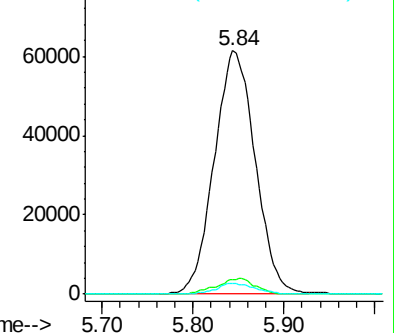
100 4.4 2.0 6.0

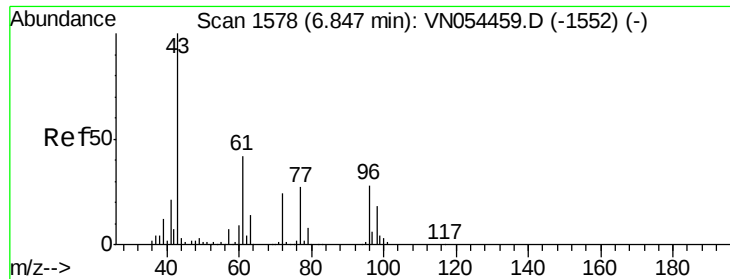


Abundance Ion 62.90 (62.60 to 63.60): VN054640.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054640.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054640.D (-1174) (-)





#25

2-Butanone

Concen: 113.252 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 43 Resp: 249396

Ion Ratio Lower Upper

43 100

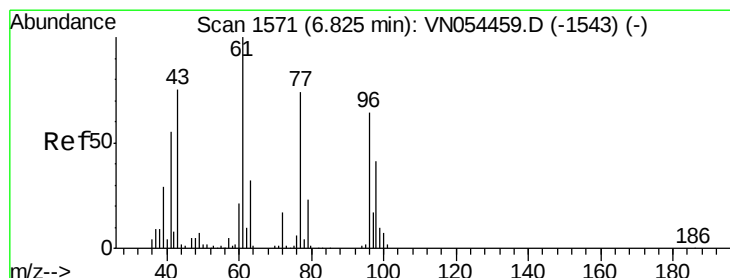
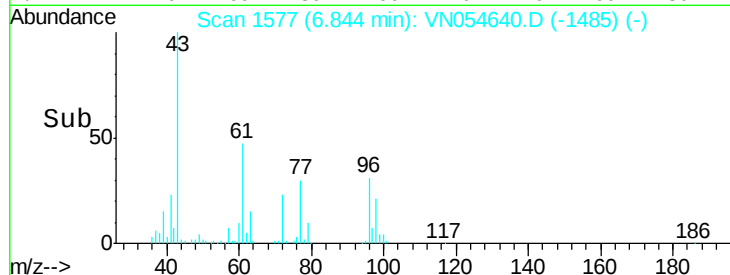
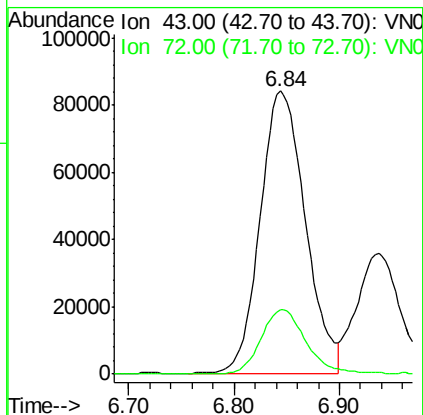
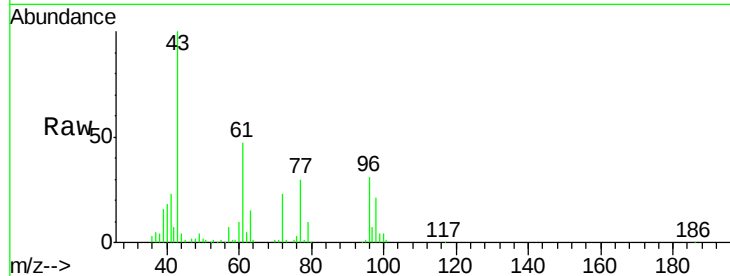
72 22.8 23.0 34.6#

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#26

2,2-Dichloropropane

Concen: 21.389 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054640.D

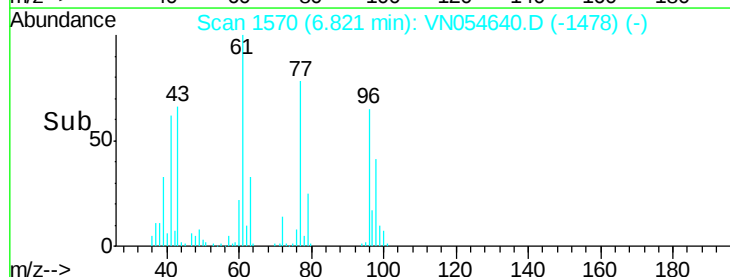
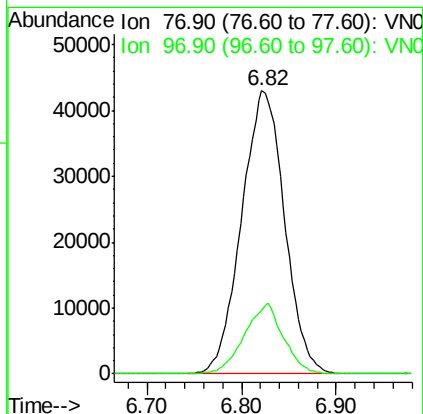
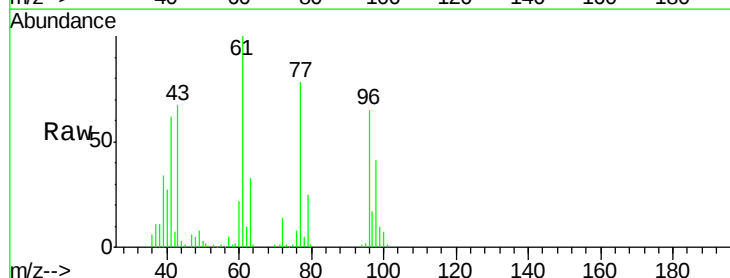
Acq: 24 Mar 2019 11:43

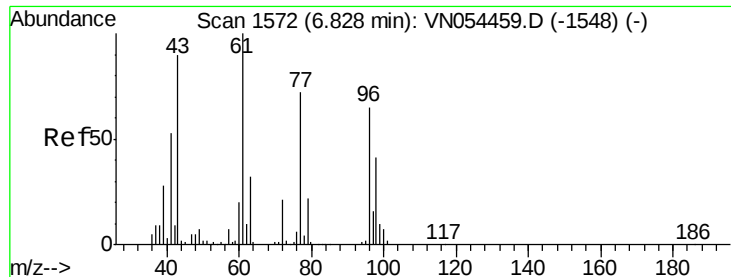
Tgt Ion: 77 Resp: 135201

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

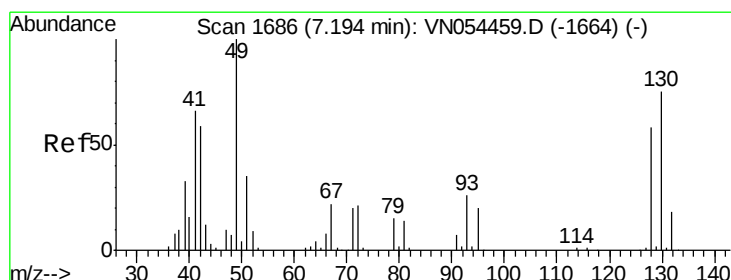
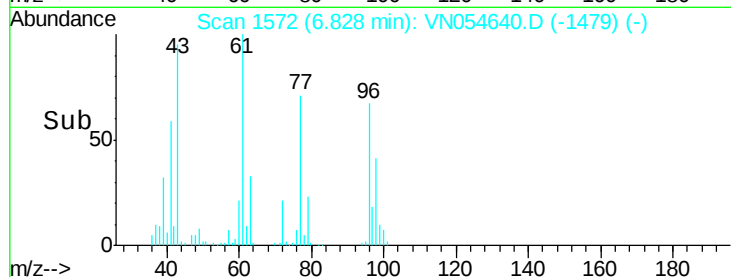
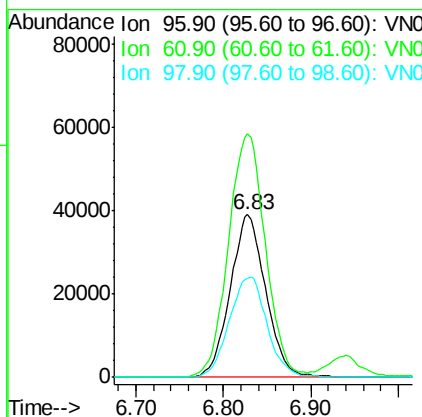
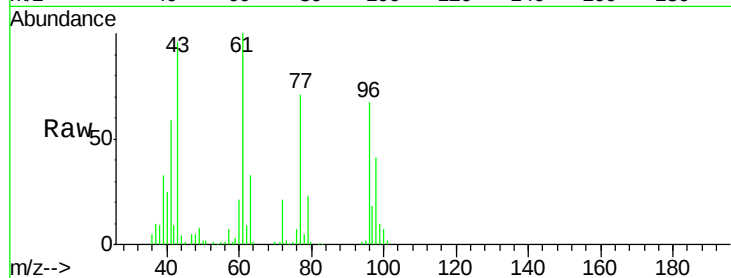
ClientSampleId :

VN0324MBS01

Tot Ion:	96	Resp:	110073
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	273.0
98	65.3	0.0	130.6

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#28

Bromochloromethane

Concen: 21.045 ug/l

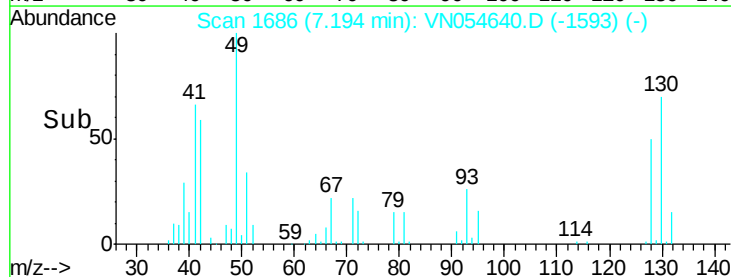
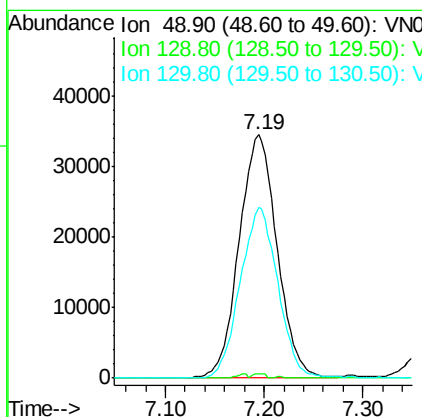
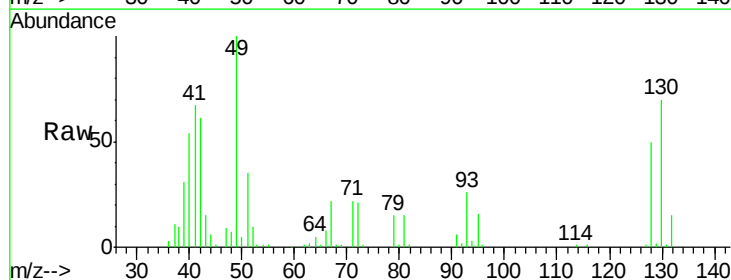
RT: 7.19 min Scan# 1686

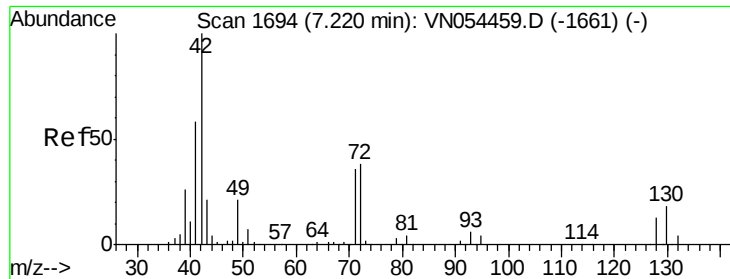
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	49	Resp:	91856
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	69.3	76.7	115.1#





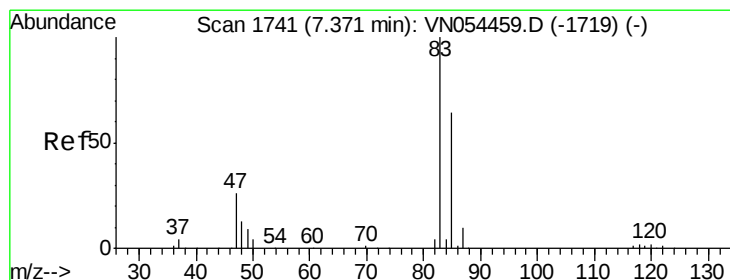
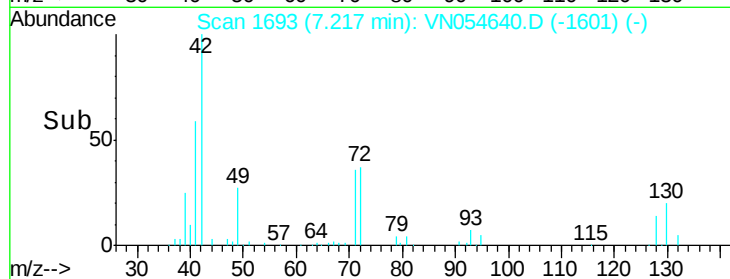
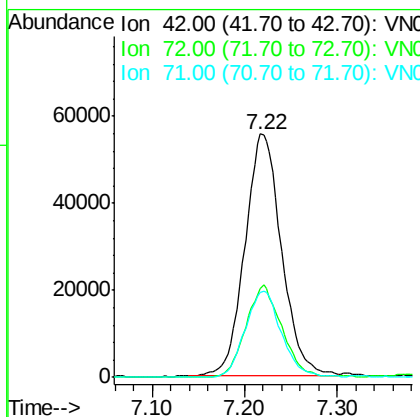
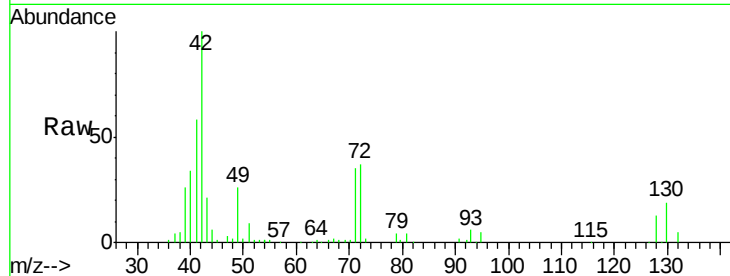
#29
Tetrahydrofuran
Concen: 106.699 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	37.8	56.6#
71	35.4	36.2	54.2#

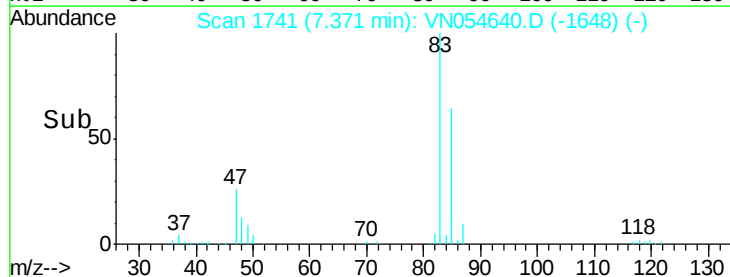
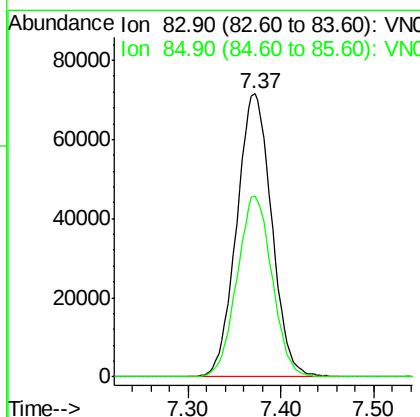
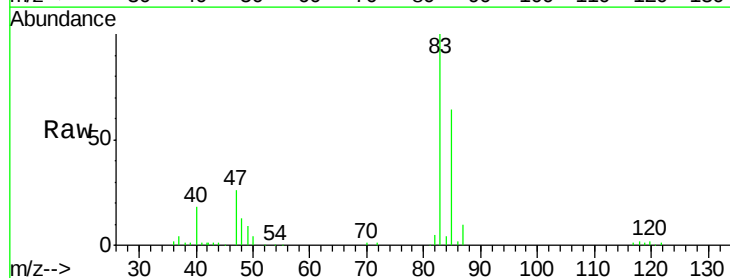
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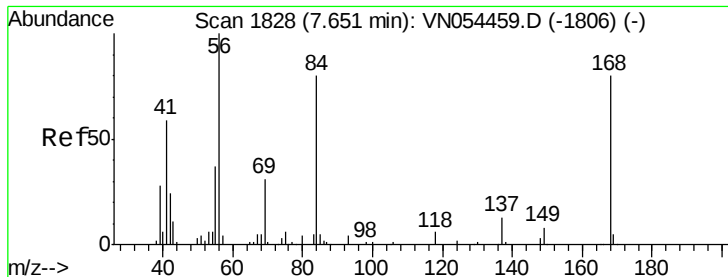
MMDadoda
3/25/2019 9:54:44 AM



#30
Chloroform
Concen: 21.646 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





#31

Cyclohexane

Concen: 21.096 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

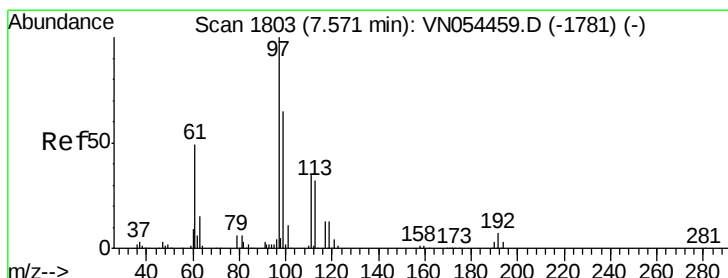
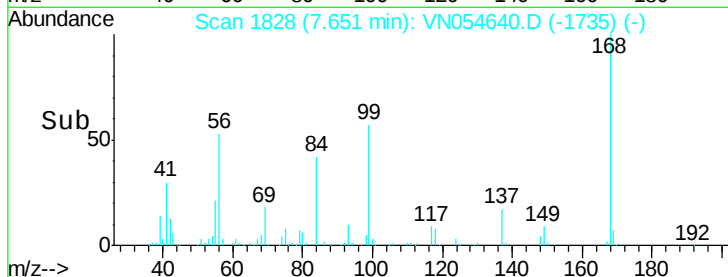
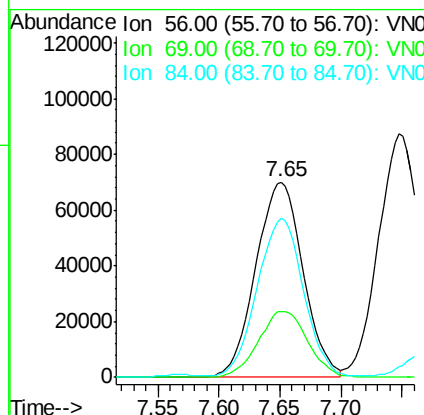
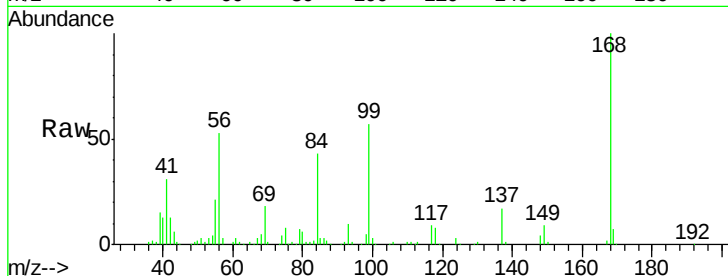
ClientSampleId :

VN0324MBS01

Tot Ion:	56	Resp:	188371
Ion Ratio	Lower	Upper	
56	100		
69	33.7	27.8	41.6
84	80.5	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 21.205 ug/l

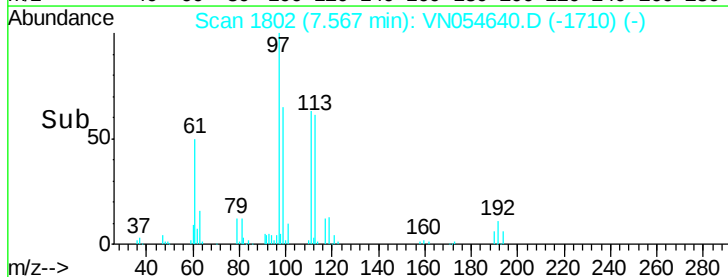
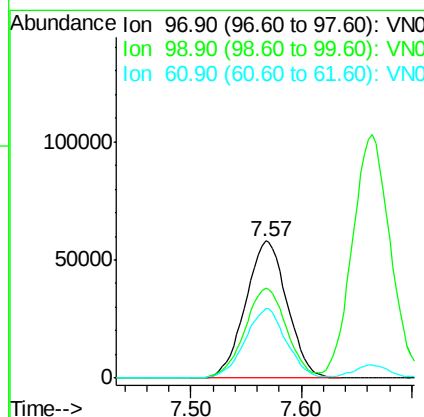
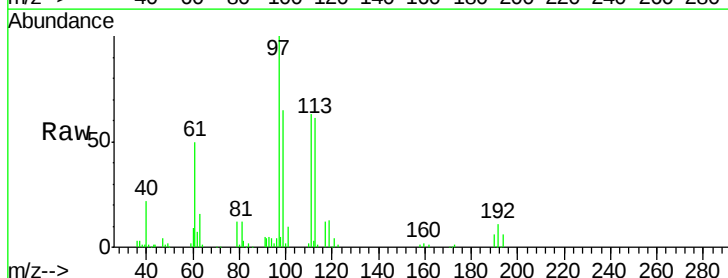
RT: 7.57 min Scan# 1802

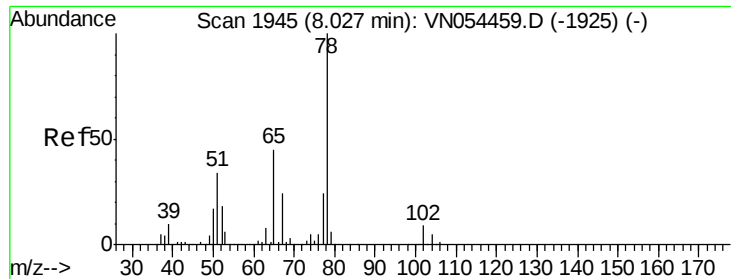
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	97	Resp:	151391
Ion Ratio	Lower	Upper	
97	100		
99	66.2	51.5	77.3
61	50.1	33.6	50.4





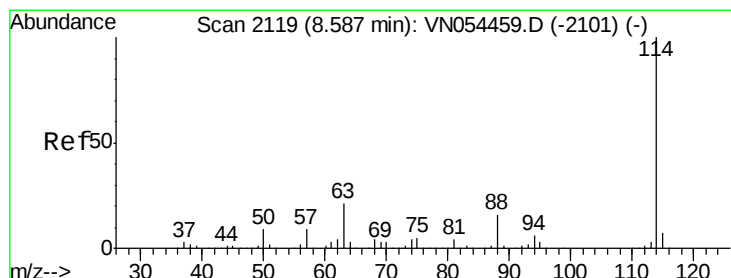
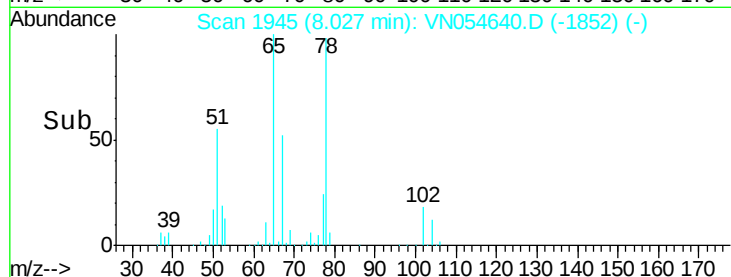
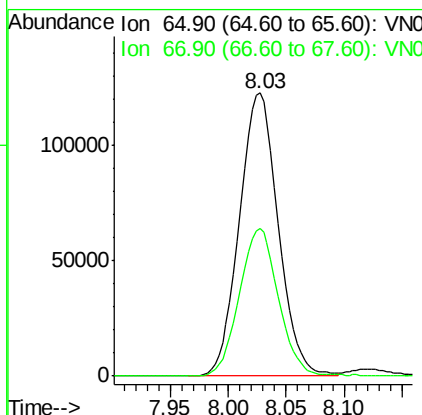
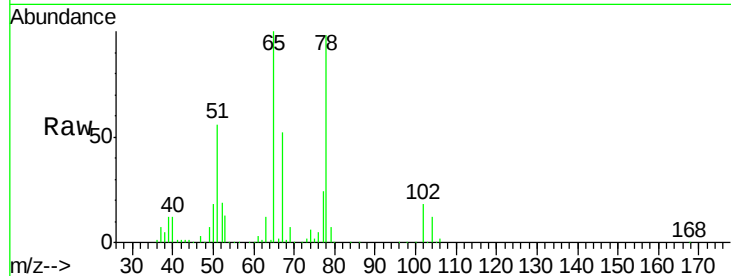
#33
 1,2-Dichloroethane-d4
 Concen: 50.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	287642		
67	52.3	0.0	104.6	

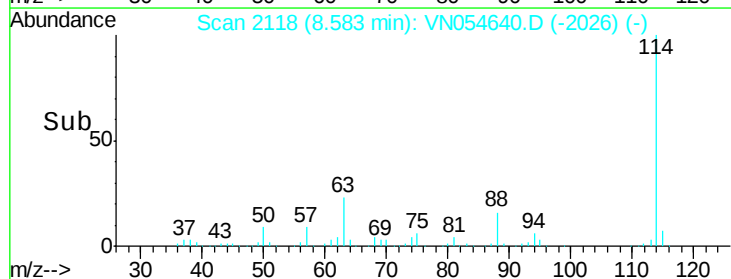
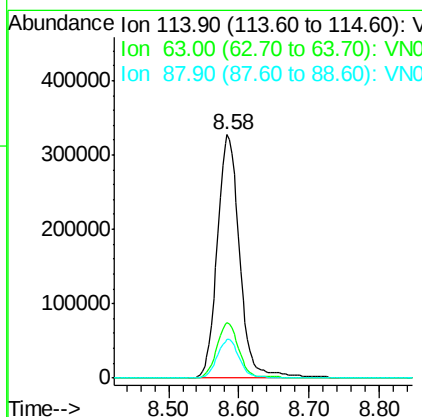
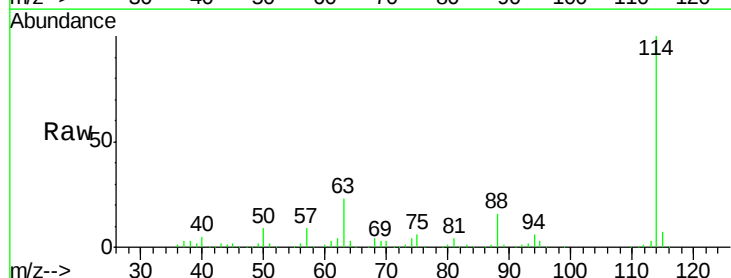
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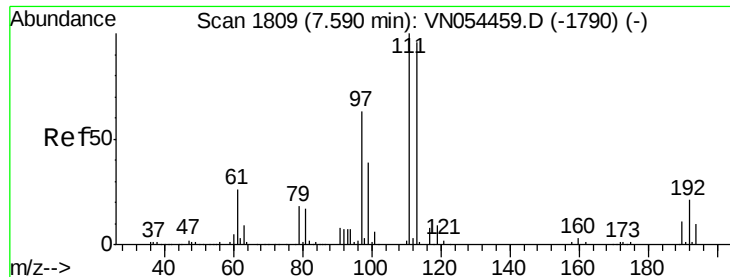
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	725777		
63	22.8	0.0	35.2	
88	15.9	0.0	30.2	





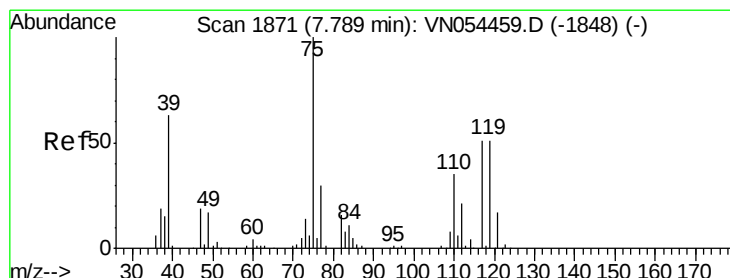
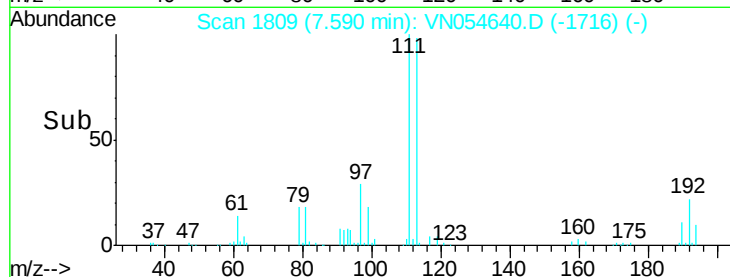
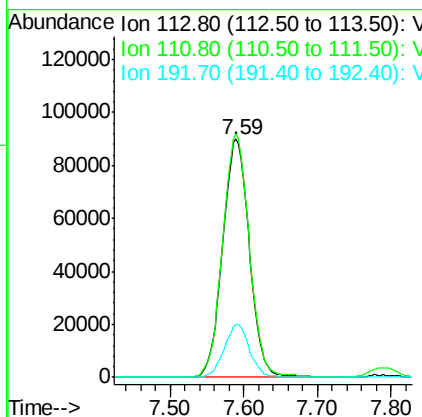
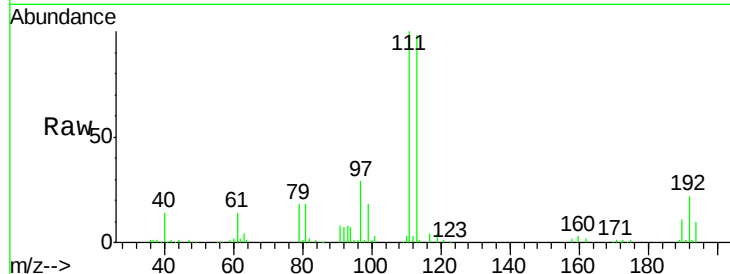
#35
 Dibromofluoromethane
 Concen: 48.440 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226497		
111	102.2	82.2	123.4	
192	20.9	19.2	28.8	

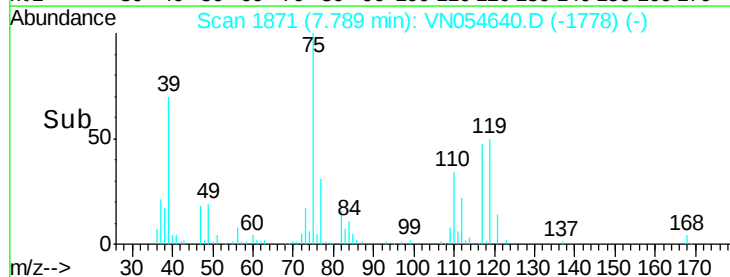
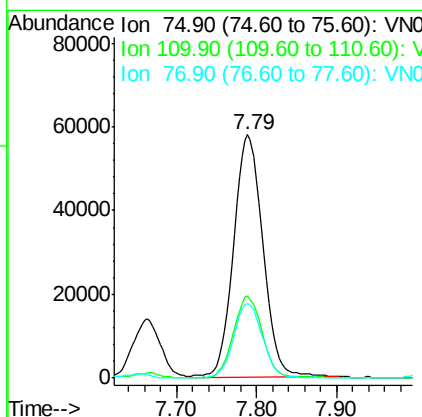
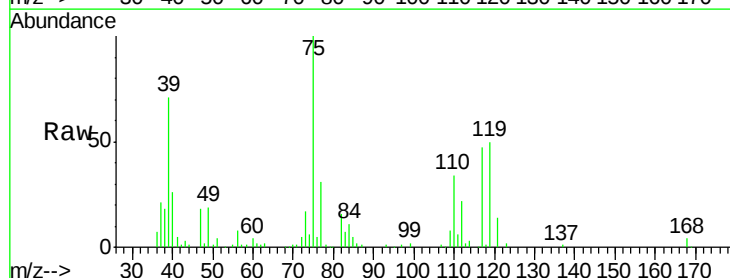
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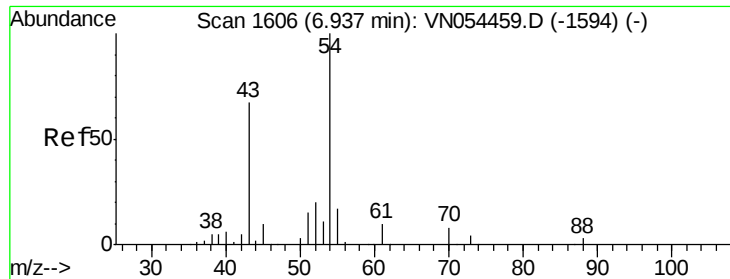
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#36
 1,1-Dichloropropene
 Concen: 20.967 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142284		
110	33.3	19.1	57.5	
77	30.7	25.0	37.4	





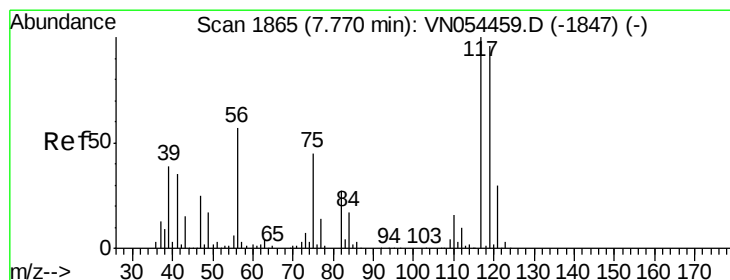
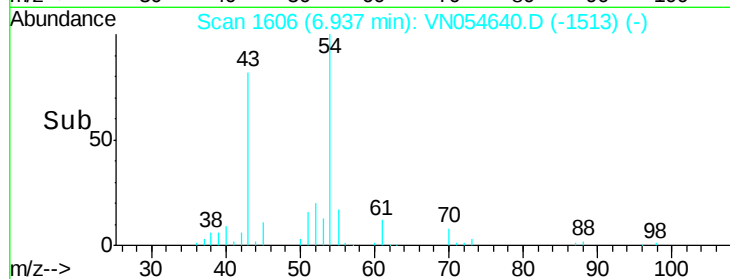
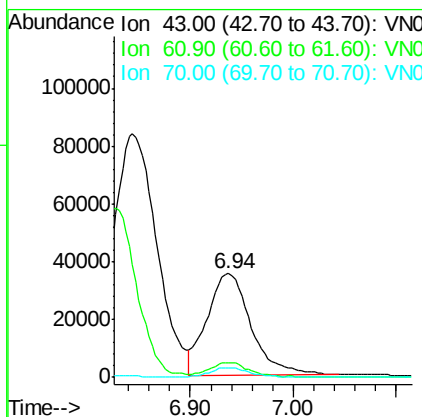
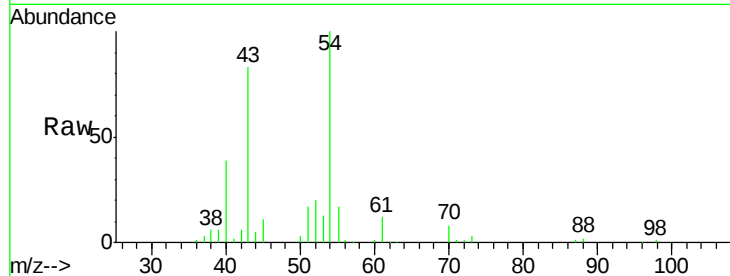
#37
Ethyl Acetate
Concen: 21.656 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.7	8.4	12.6

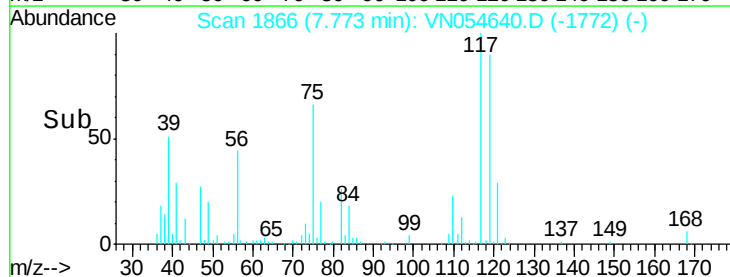
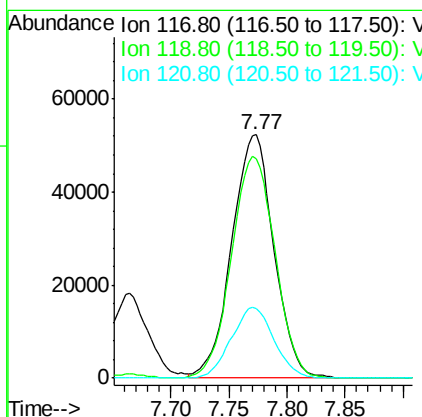
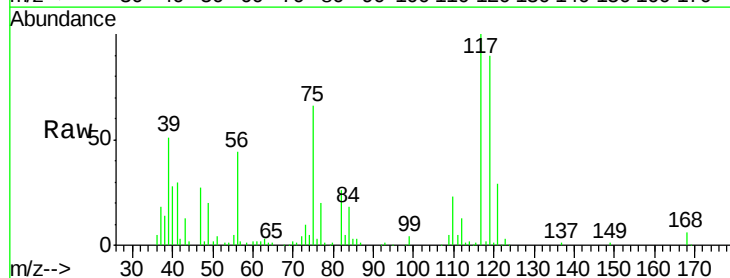
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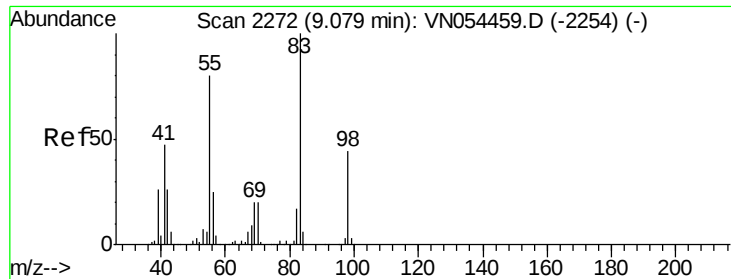
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#38
Carbon Tetrachloride
Concen: 20.043 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	76.3	114.5
121	28.5	24.6	36.8





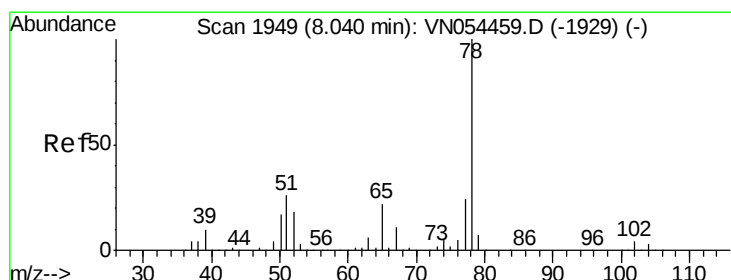
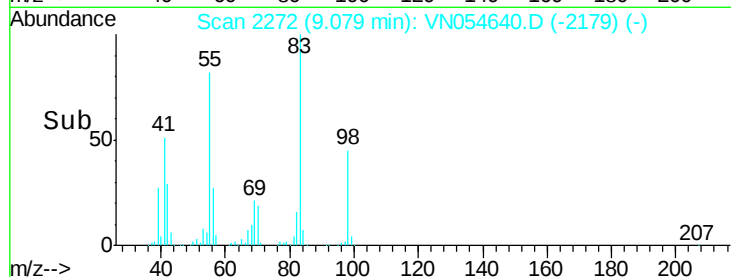
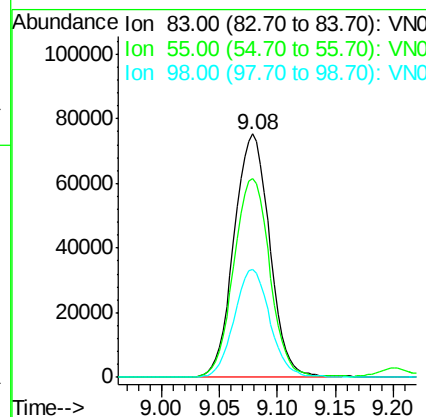
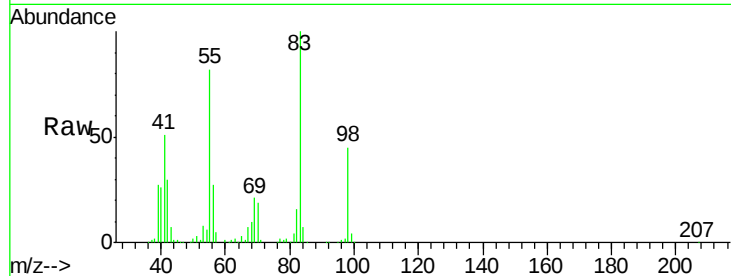
#39
Methvlcvclohexane
Concen: 20.778 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	56.6	84.8
98	44.5	38.4	57.6

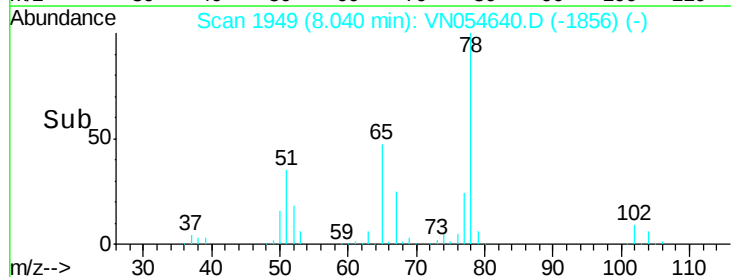
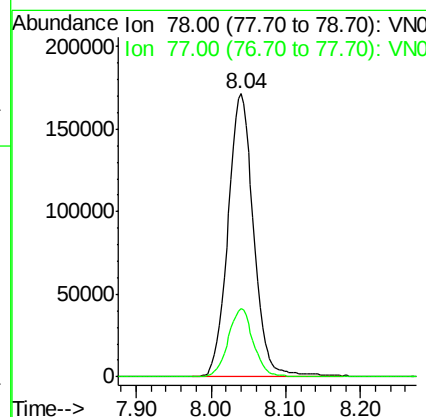
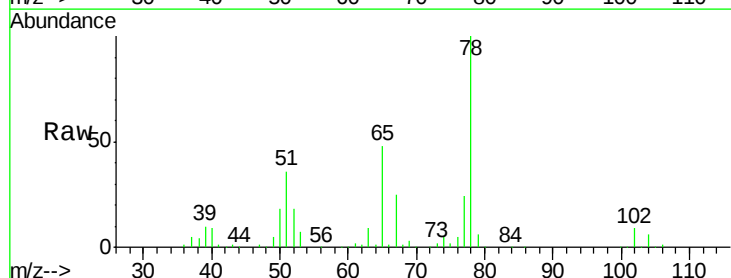
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#40
Benzene
Concen: 20.994 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 17.600 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 41 Resp: 51805

Ion Ratio Lower Upper

41 100

39 66.8 46.8 70.2

67 77.0 67.0 100.4

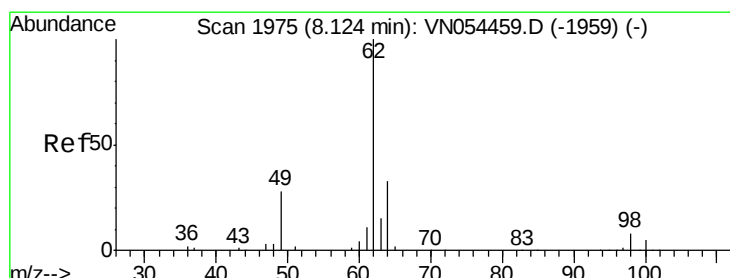
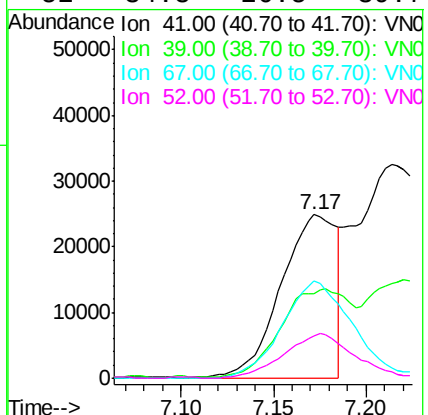
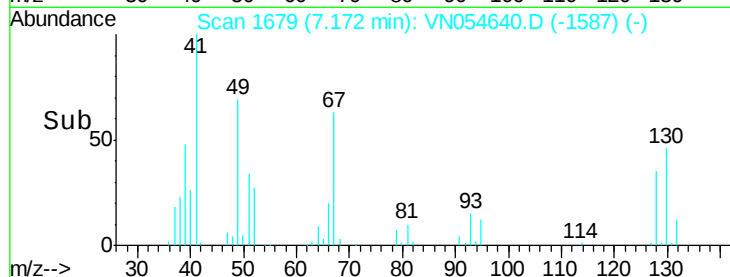
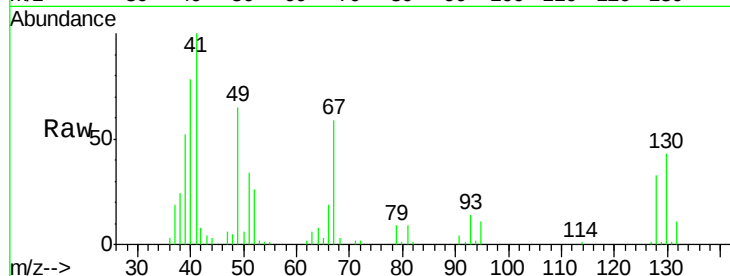
52 34.8 26.5 39.7

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#42

1,2-Dichloroethane

Concen: 20.921 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054640.D

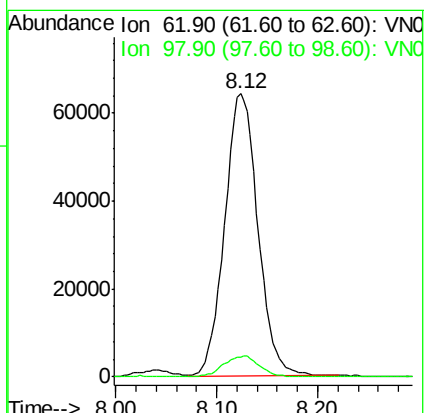
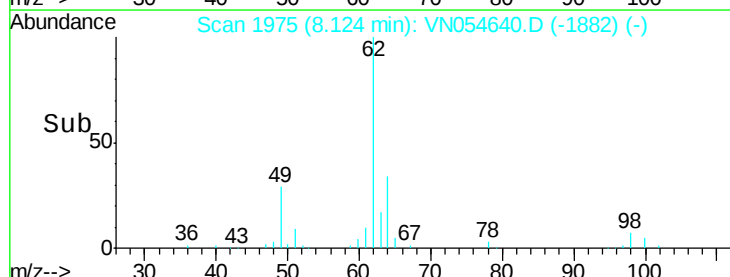
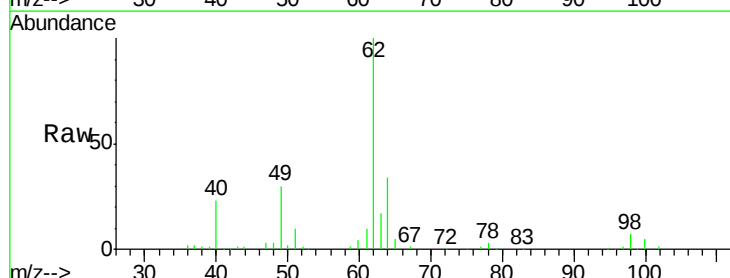
Acq: 24 Mar 2019 11:43

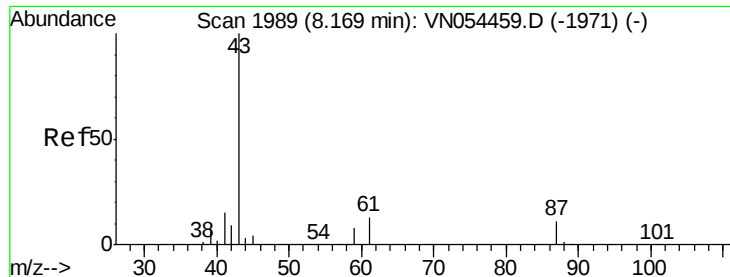
Tgt Ion: 62 Resp: 147849

Ion Ratio Lower Upper

62 100

98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.132 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

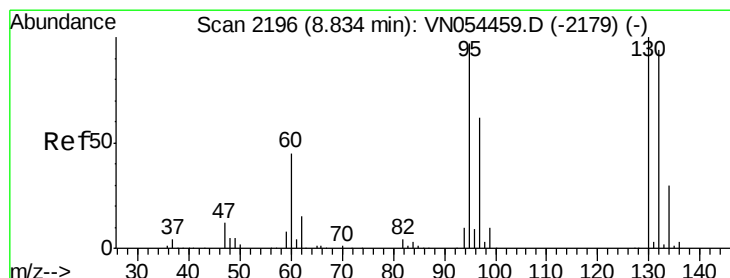
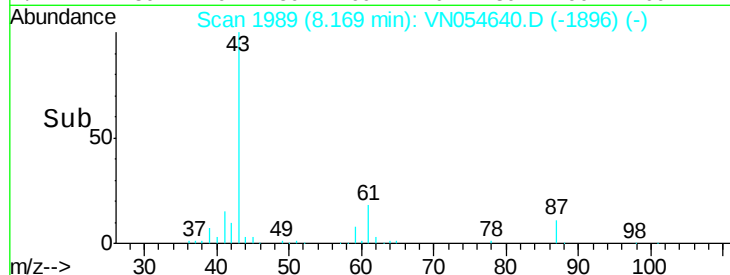
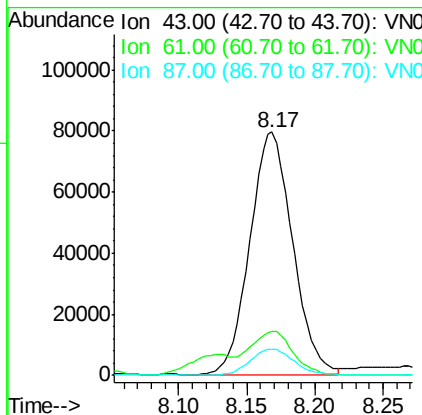
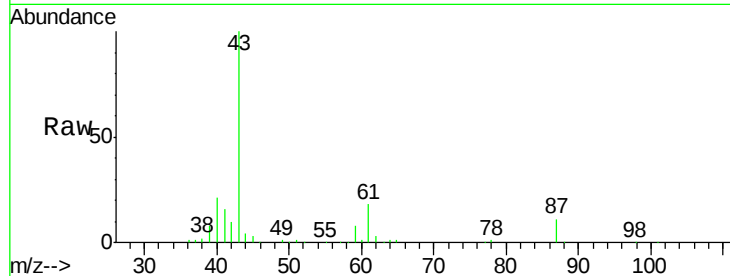
ClientSampleId :

VN0324MBS01

Tot Ion:	43	Resp:	172250
Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	11.2	12.0	18.0#

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#44

Trichloroethene

Concen: 19.903 ug/l

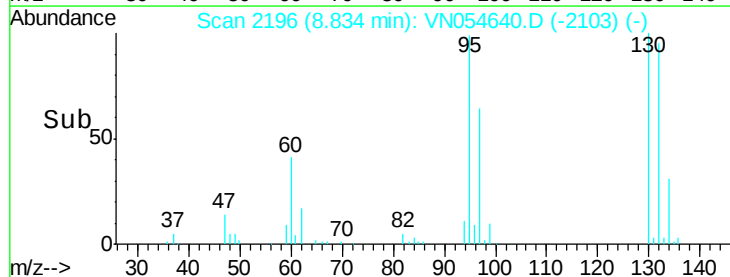
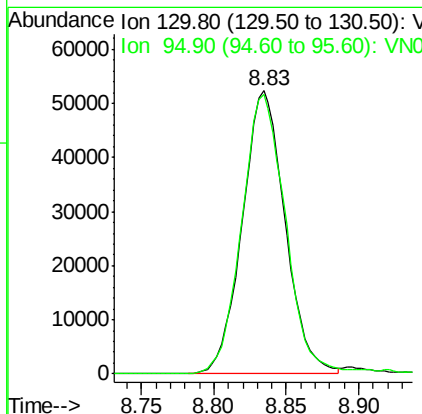
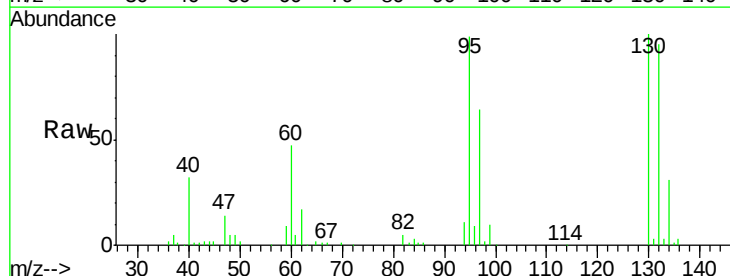
RT: 8.83 min Scan# 2196

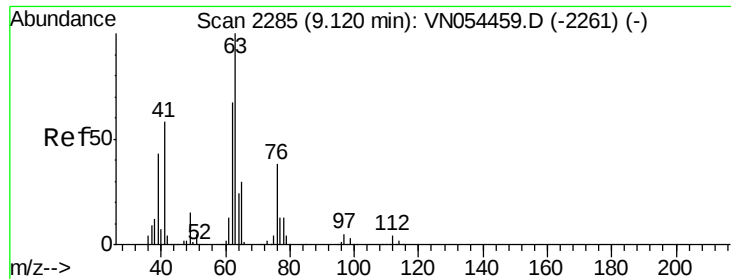
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	130	Resp:	107375
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 22.124 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 63 Resp: 115279

Ion Ratio Lower Upper

63 100

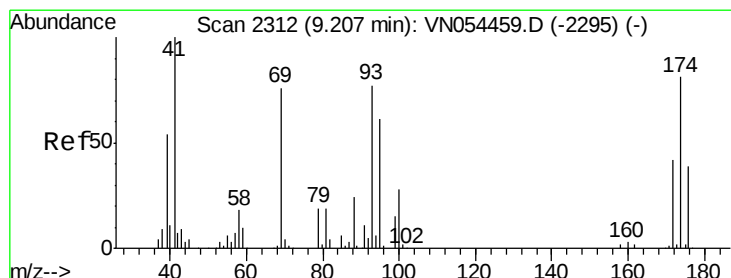
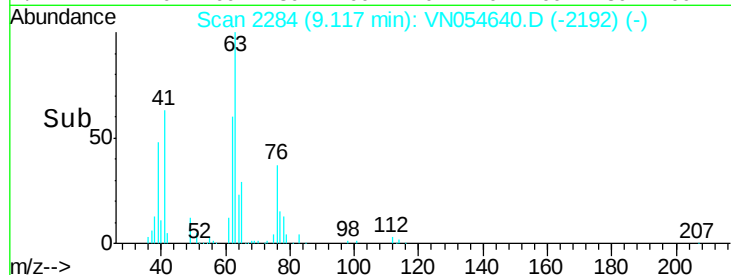
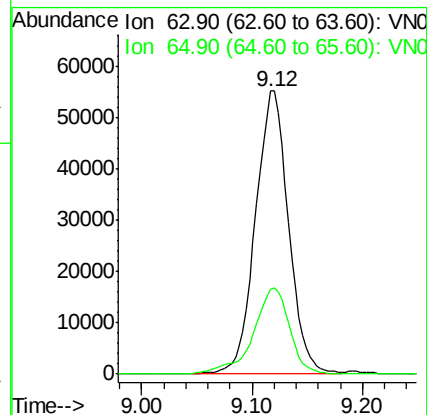
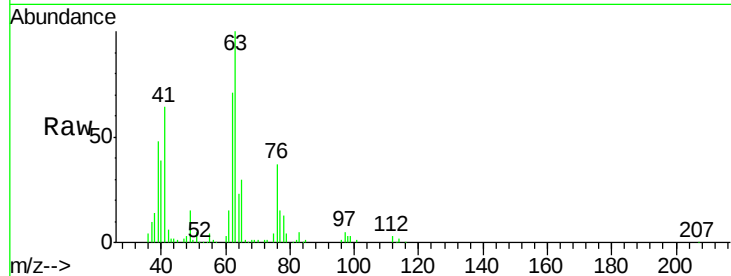
65 30.2 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 21.452 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

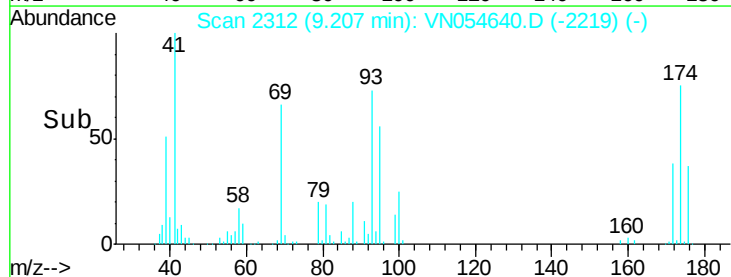
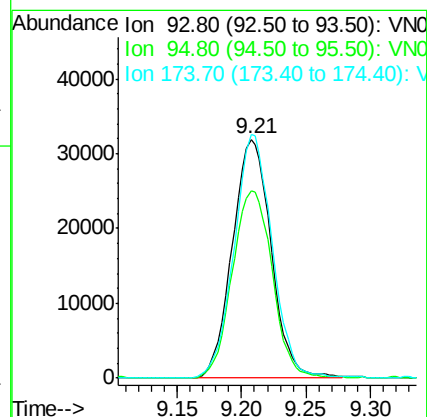
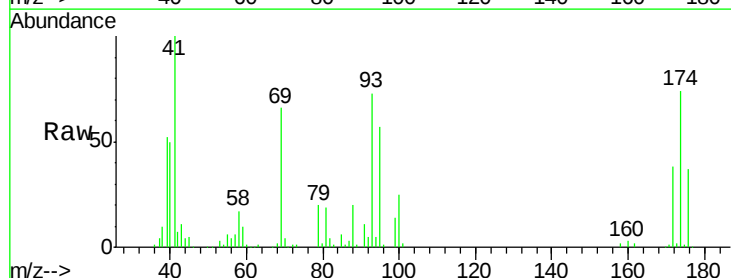
Tgt Ion: 93 Resp: 66685

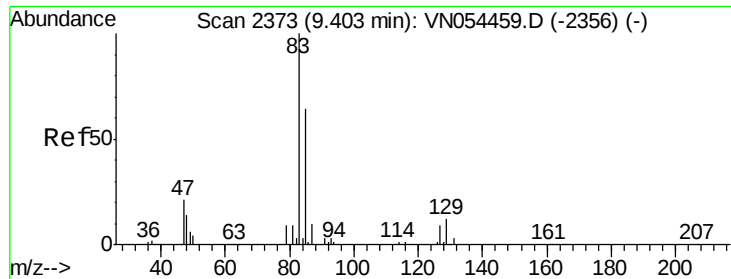
Ion Ratio Lower Upper

93 100

95 80.7 66.7 100.1

174 100.6 98.5 147.7





#47

Bromodichloromethane

Concen: 21.195 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

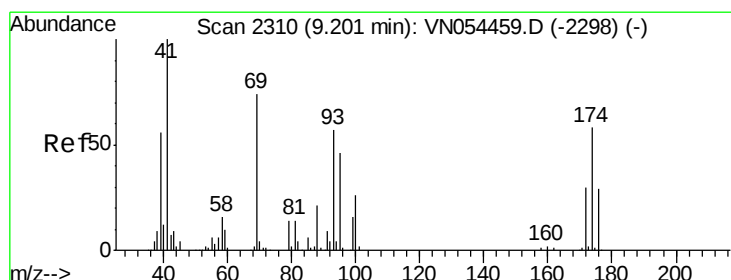
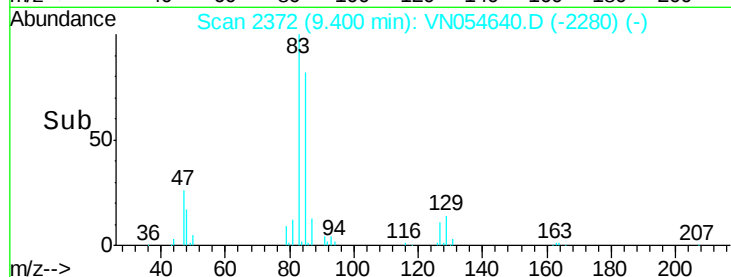
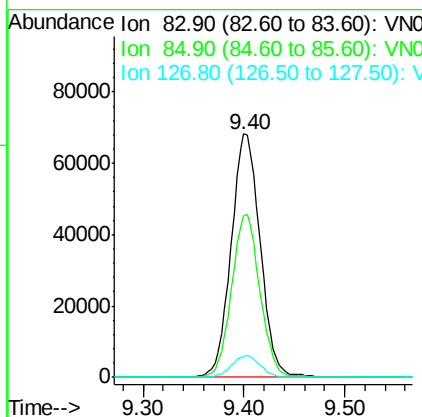
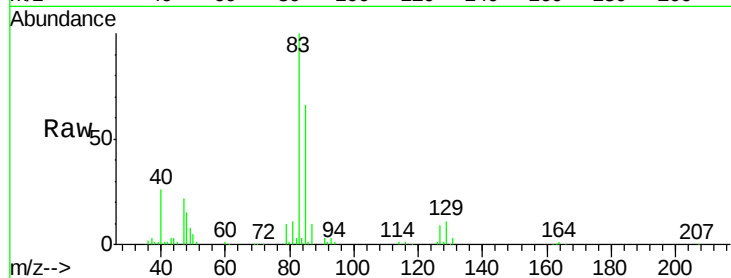
ClientSampleId :

VN0324MBS01

Tot Ion:	83	Resp:	136735
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.8	79.2
127	8.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.406 ug/l

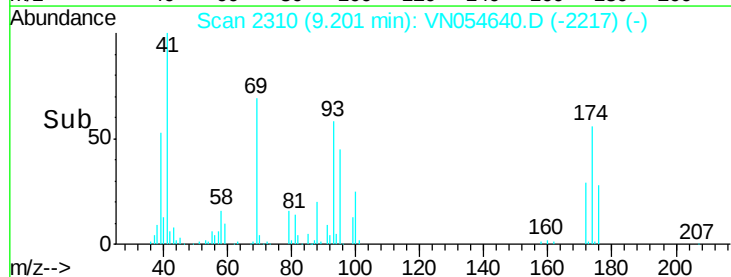
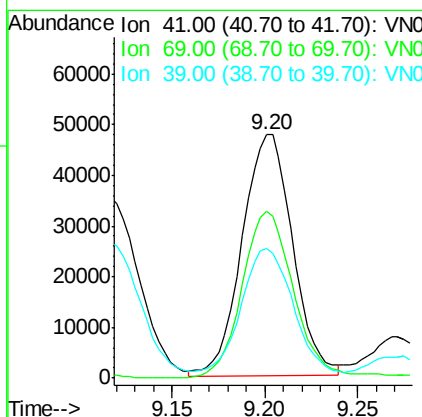
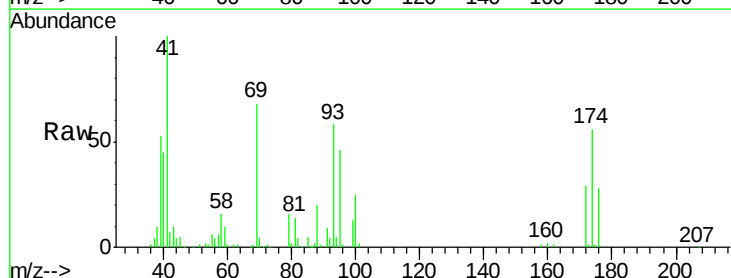
RT: 9.20 min Scan# 2310

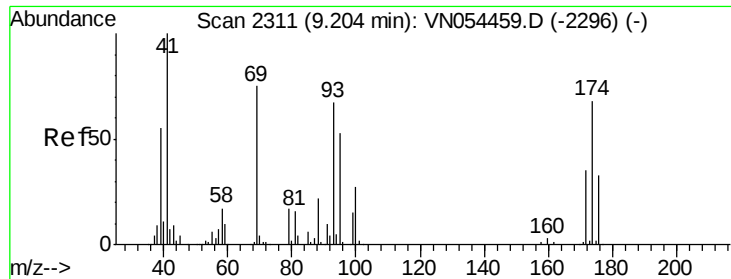
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	41	Resp:	90282
Ion Ratio	Lower	Upper	
41	100		
69	70.1	72.6	108.8#
39	55.8	47.5	71.3





#49

1,4-Dioxane

Concen: 414.659 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 88 Resp: 20509

Ion Ratio Lower Upper

88 100

43 40.4 24.1 36.1#

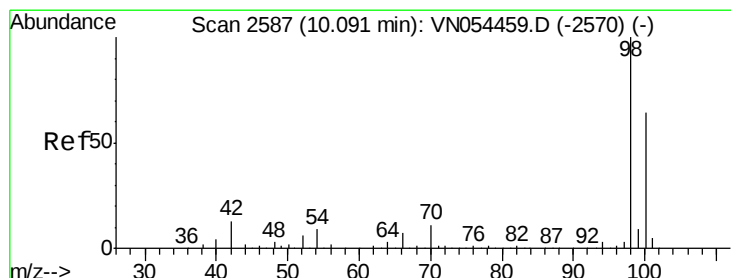
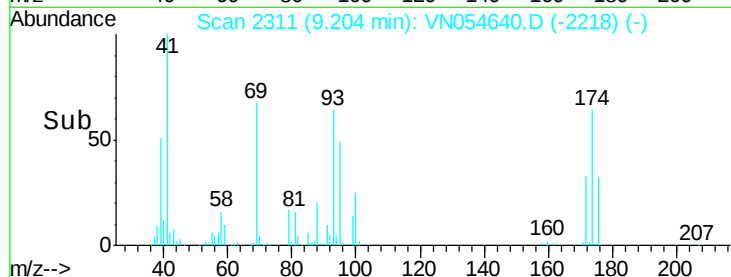
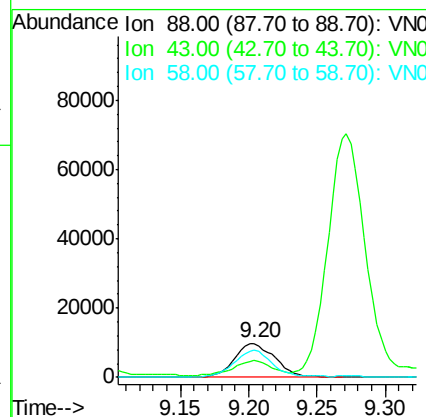
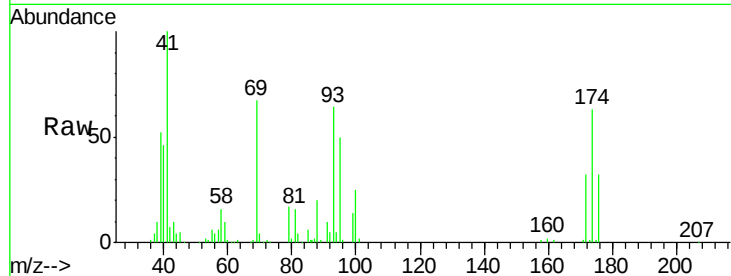
58 75.4 50.8 76.2

Manual Integrations

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#50

Toluene-d8

Concen: 48.095 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054640.D

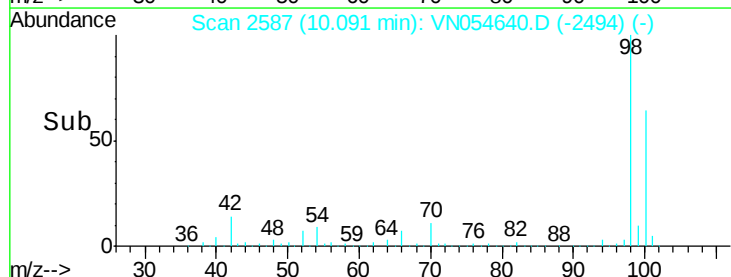
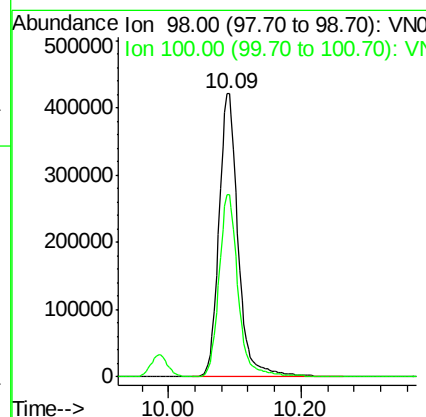
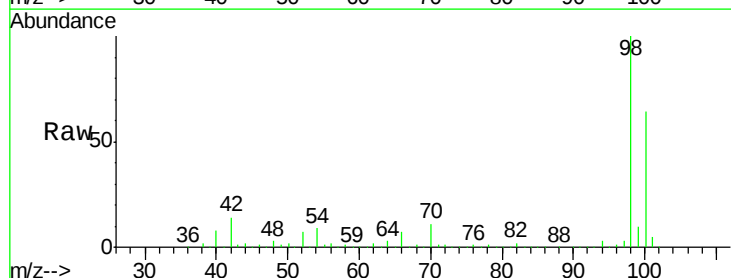
Acq: 24 Mar 2019 11:43

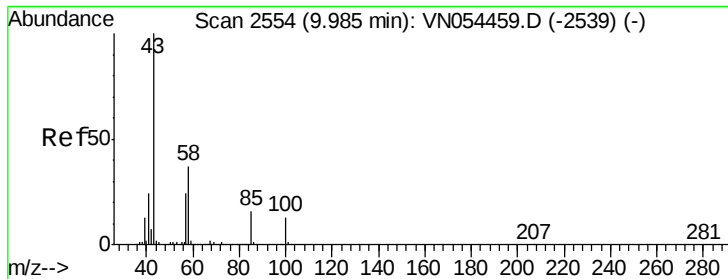
Tgt Ion: 98 Resp: 845419

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8





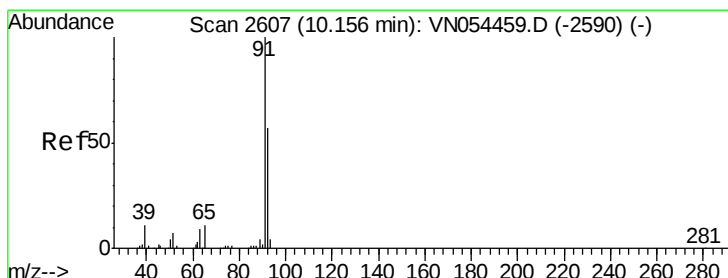
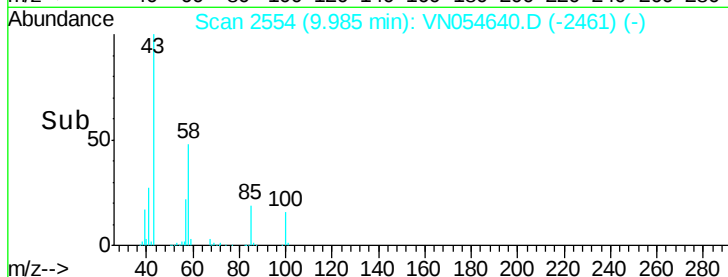
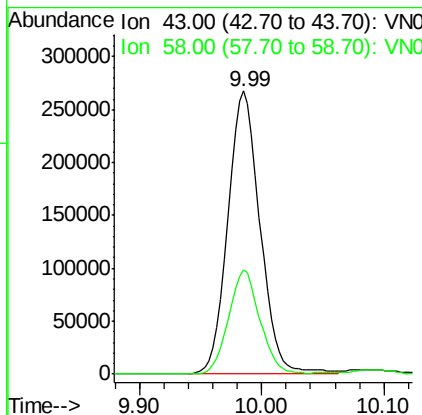
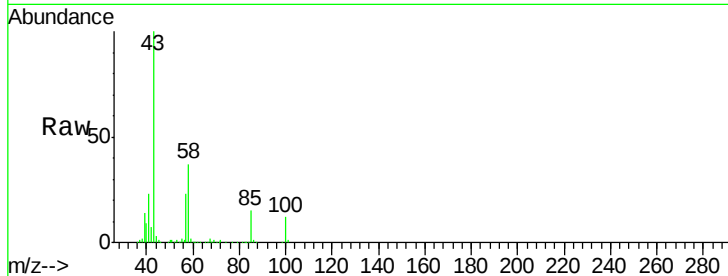
#51
4-Methyl-2-Pentanone
Concen: 108.341 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	31.8	47.6

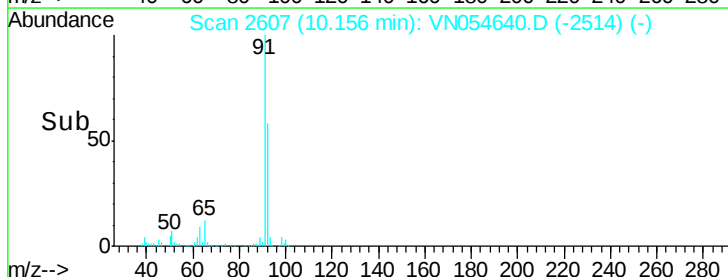
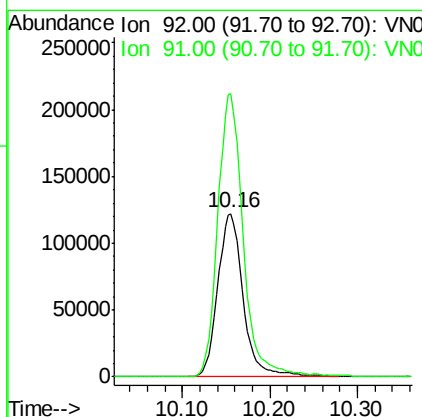
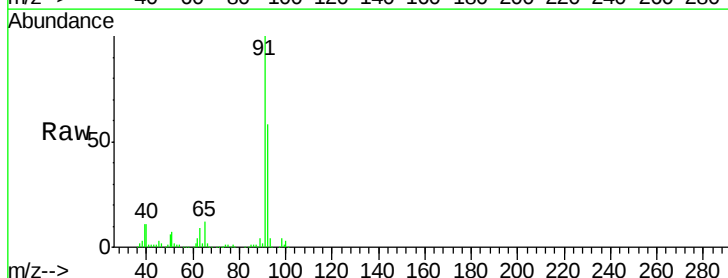
Manual Integrations
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#52
Toluene
Concen: 20.719 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	140.7	211.1





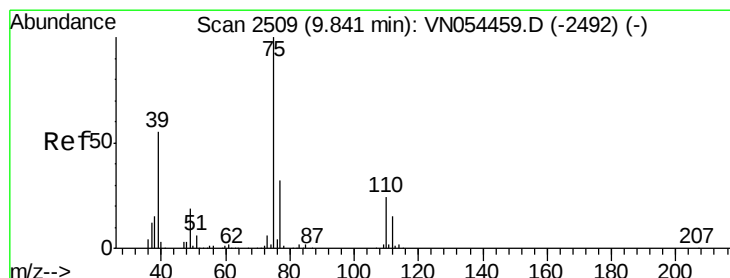
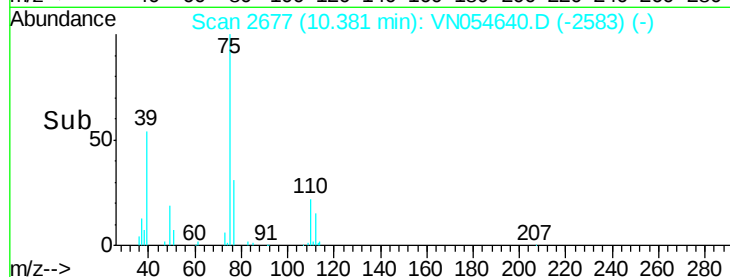
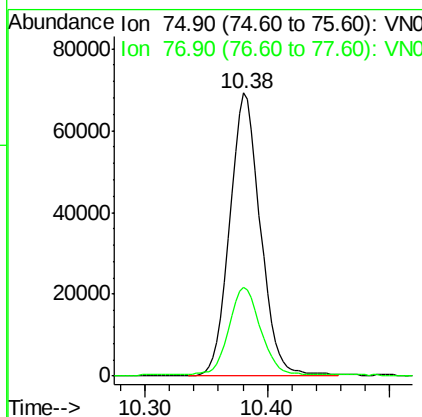
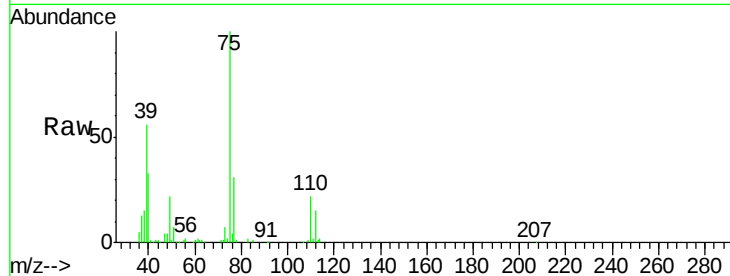
#53
t-1,3-Dichloropropene
Concen: 19.305 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8

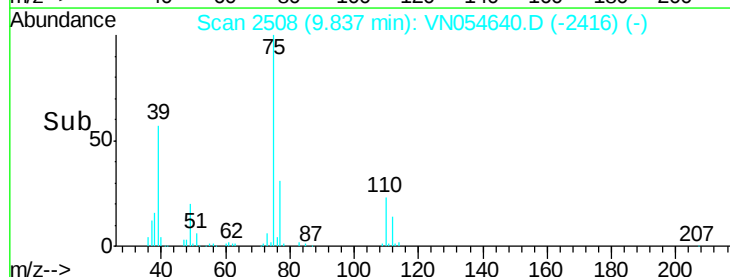
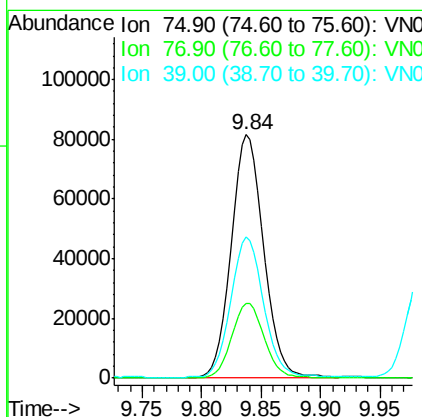
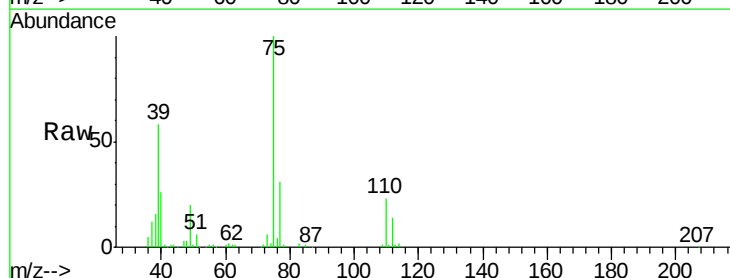
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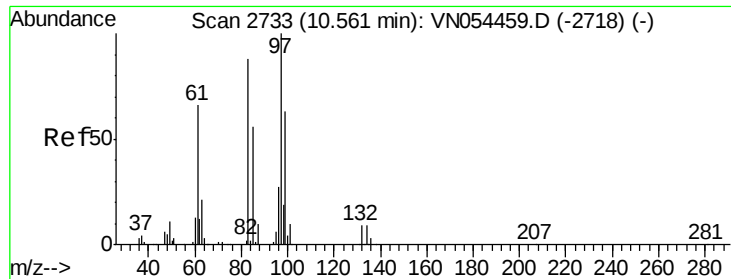
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#54
cis-1,3-Dichloropropene
Concen: 20.889 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	57.3	37.2	55.8#





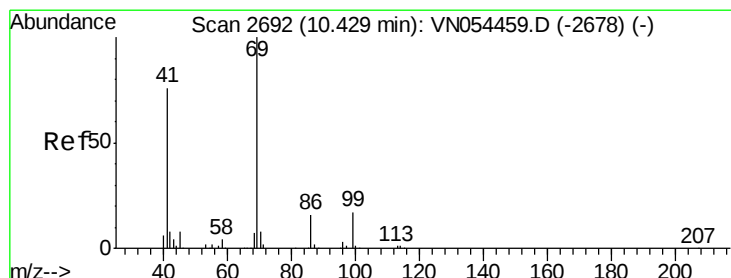
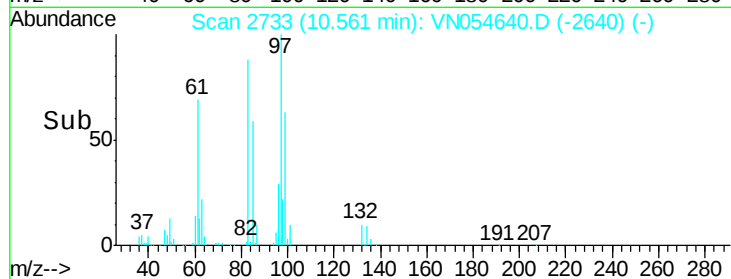
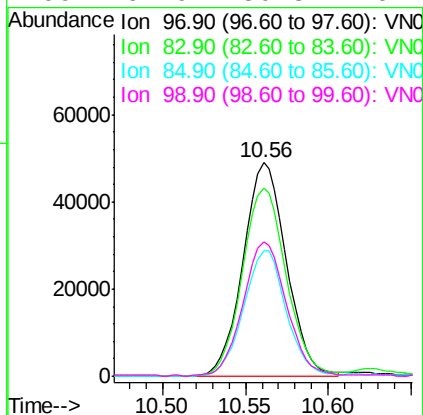
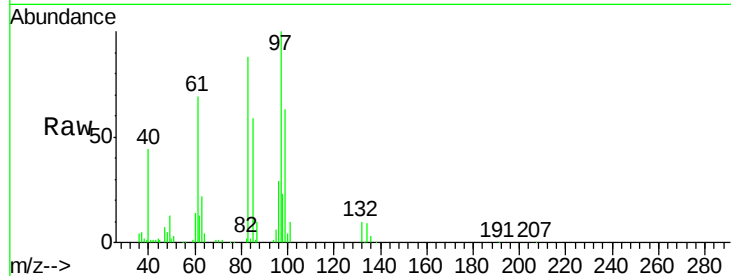
#55
 1,1,2-Trichloroethane
 Concen: 20.654 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion:	97	Resp:	88609
Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.6	100.0
85	58.9	44.4	66.6
99	62.9	50.8	76.2

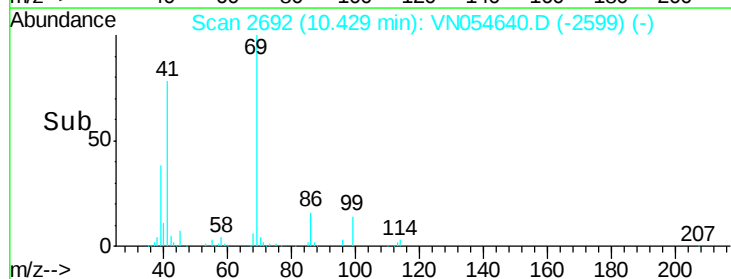
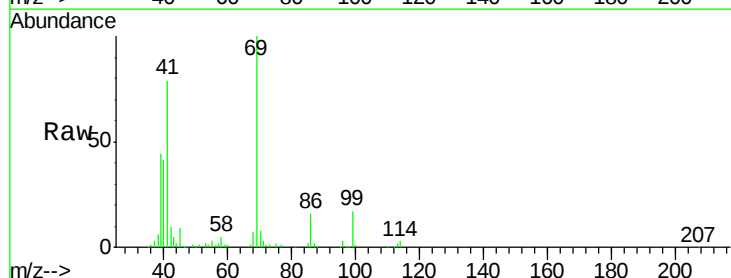
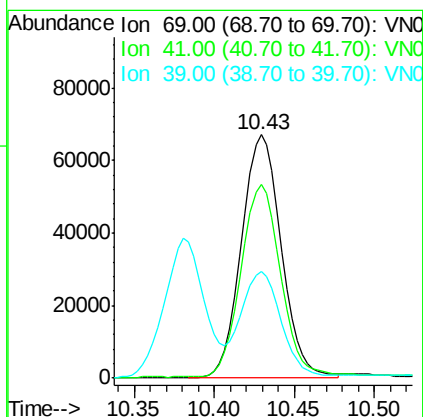
Manual Integrations
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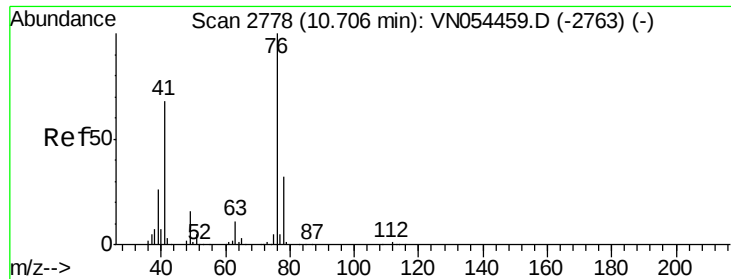
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#56
 Ethyl methacrylate
 Concen: 19.819 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion:	69	Resp:	114126
Ion	Ratio	Lower	Upper
69	100		
41	79.0	49.4	74.2#
39	42.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.371 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 76 Resp: 159378

Ion Ratio Lower Upper

76 100

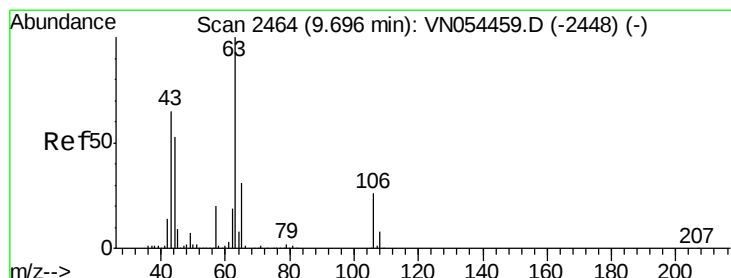
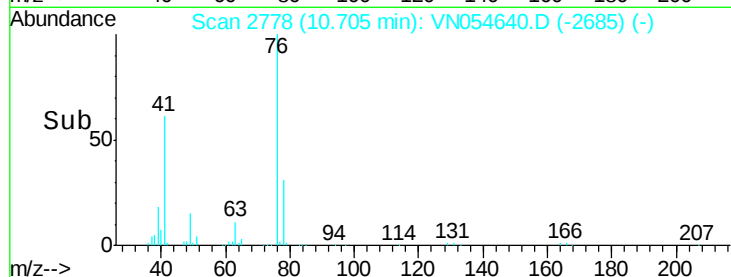
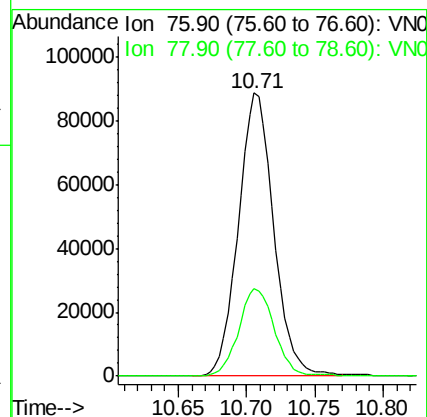
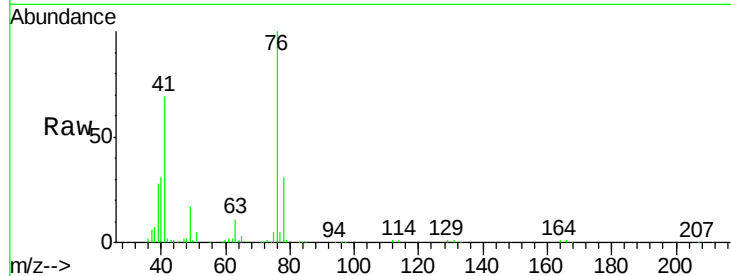
78 31.5 25.7 38.5

Manual Integrations

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MMDadoda

3/25/2019 9:54:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.071 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054640.D

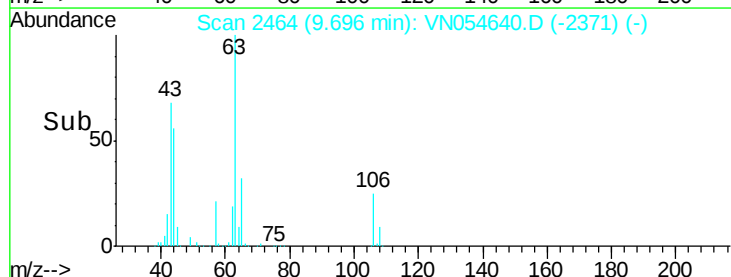
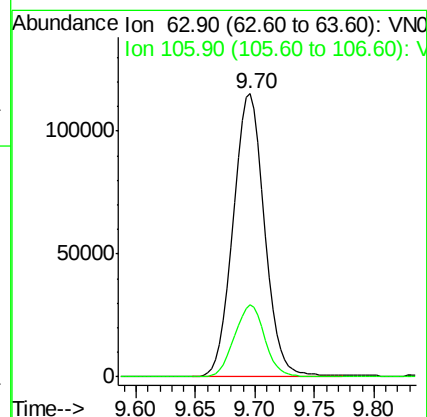
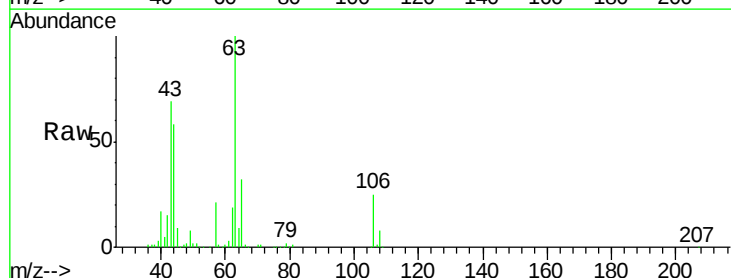
Acq: 24 Mar 2019 11:43

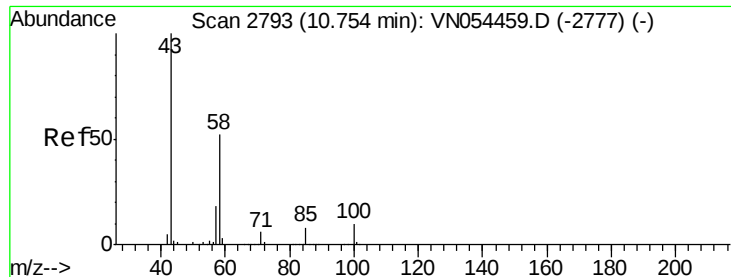
Tgt Ion: 63 Resp: 211201

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6





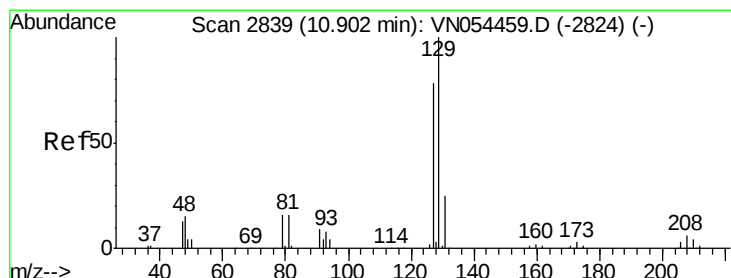
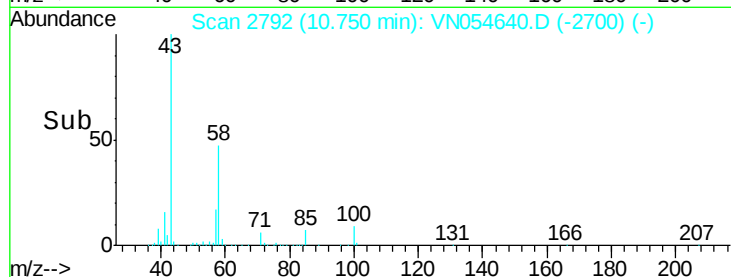
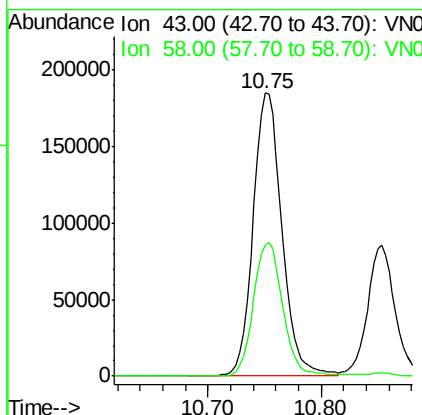
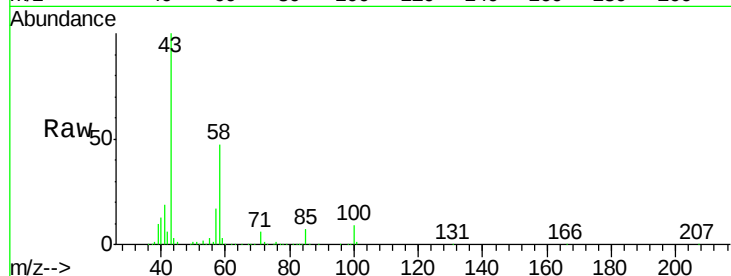
#59
2-Hexanone
Concen: 110.392 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion: 43 Resp: 325739
Ion Ratio Lower Upper
43 100
58 48.6 28.0 83.9

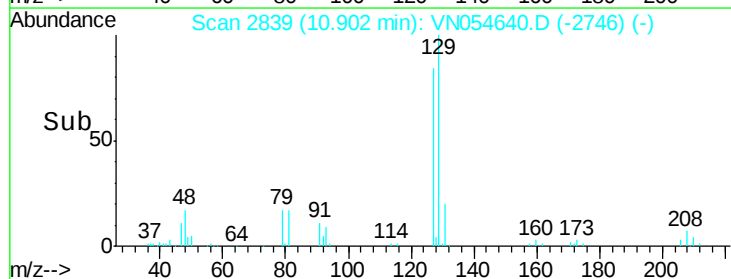
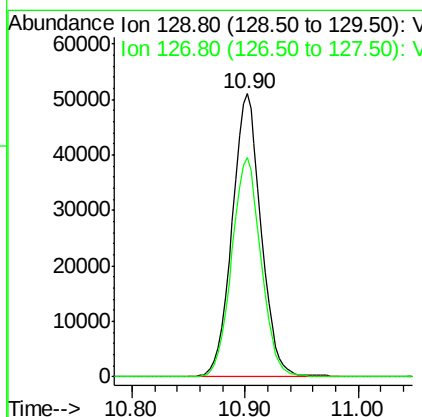
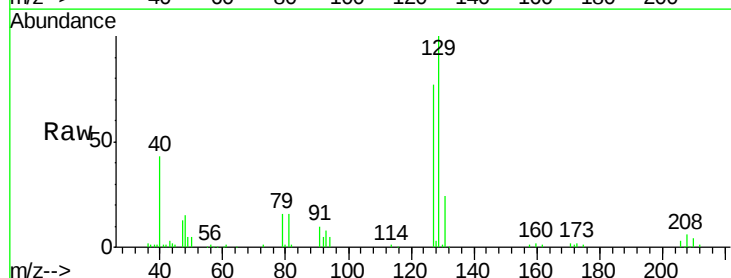
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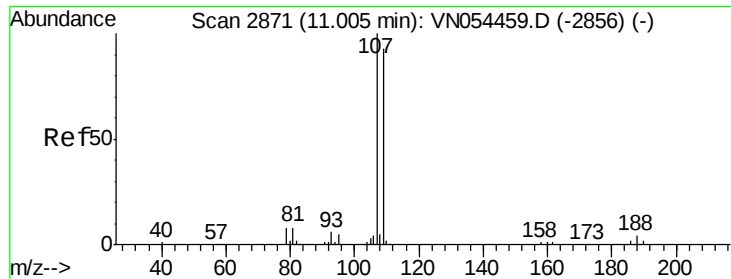
MMDadoda
3/25/2019 9:54:44 AM



#60
Dibromochloromethane
Concen: 19.906 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 129 Resp: 90875
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





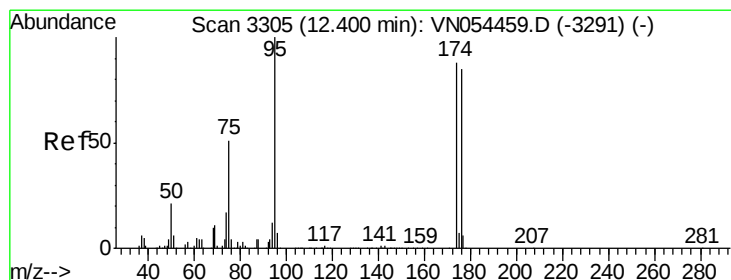
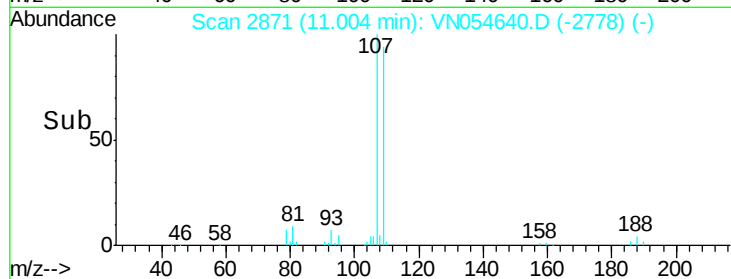
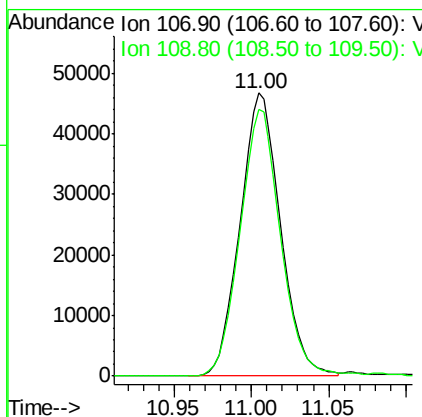
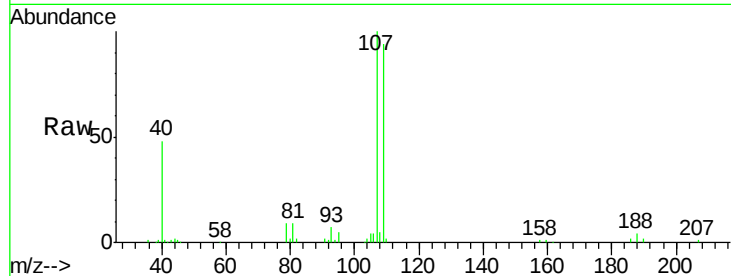
#61
 1,2-Dibromoethane
 Concen: 20.029 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion: 107 Resp: 84952
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.9 113.9

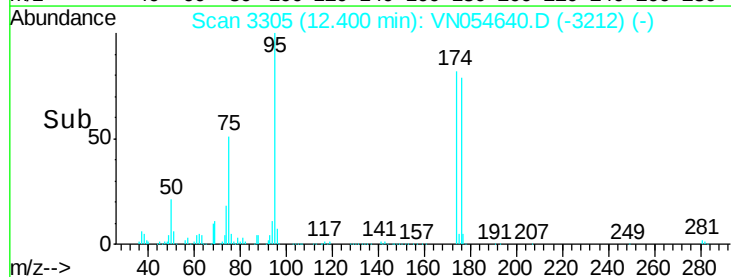
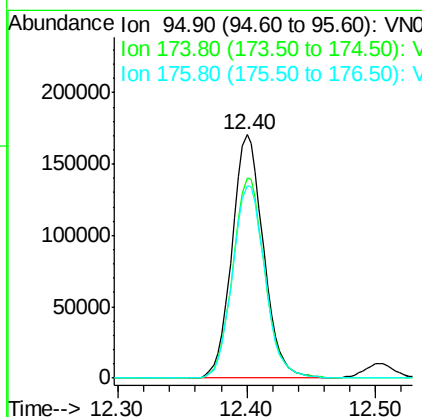
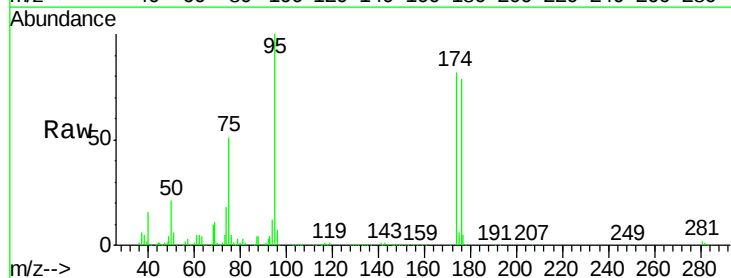
Manual Integrations
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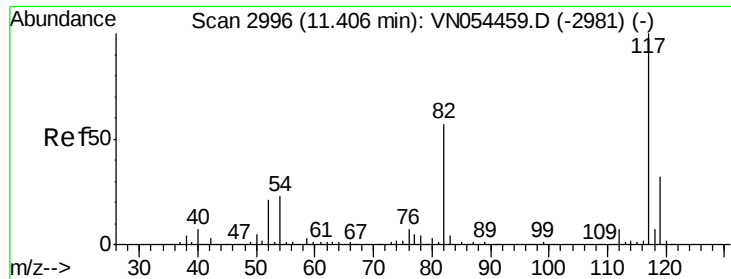
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 3/25/2019 9:54:44 AM



#62
 4-Bromofluorobenzene
 Concen: 48.392 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 95 Resp: 289459
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 191.0
 176 81.7 0.0 187.4





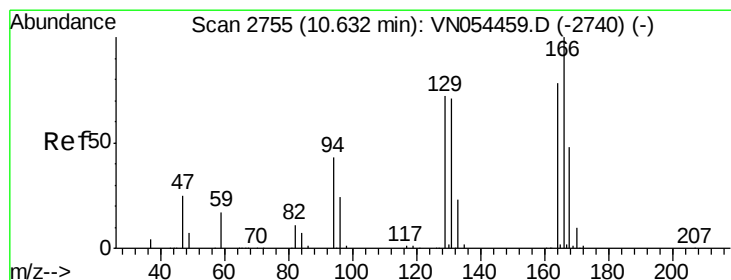
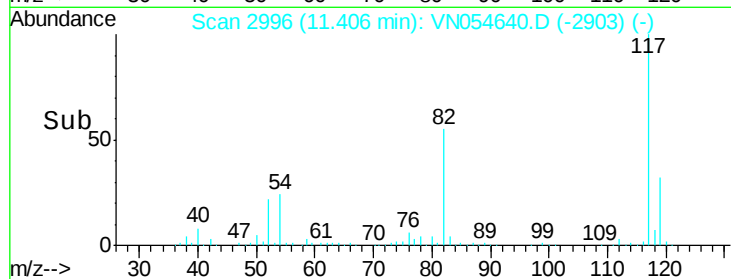
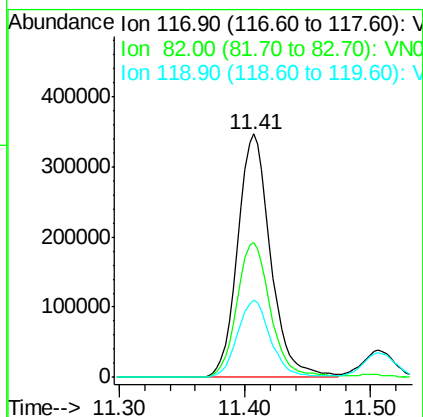
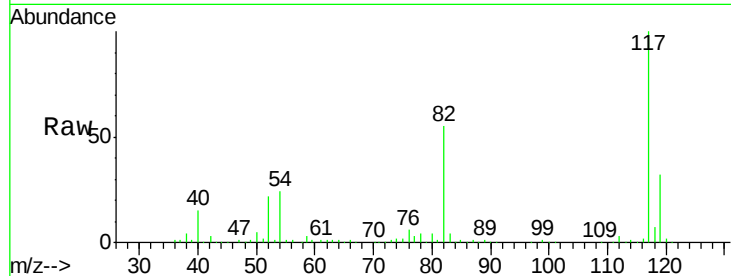
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	40.0	60.0
119	31.5	25.8	38.6

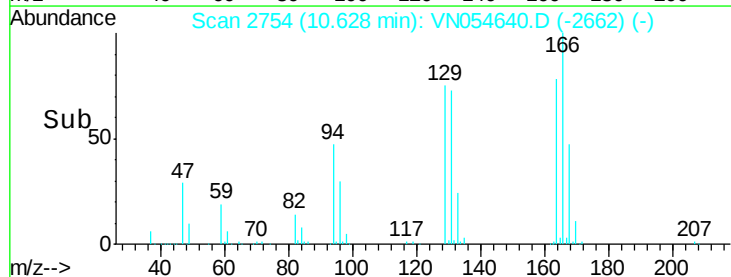
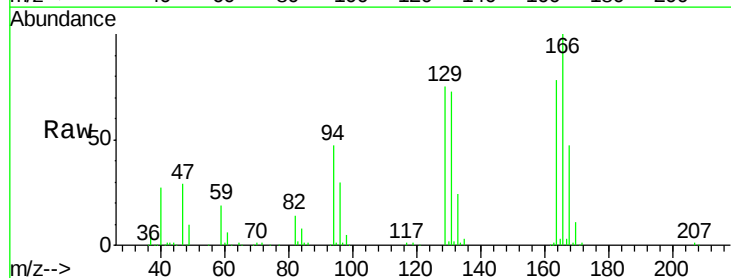
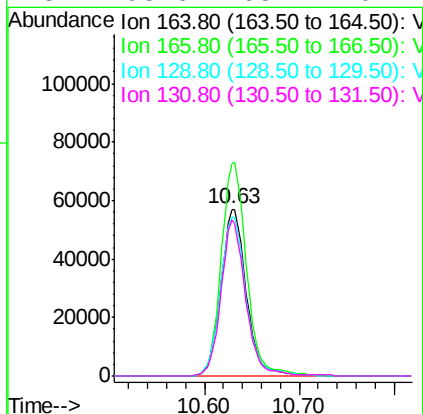
Manual Integrations
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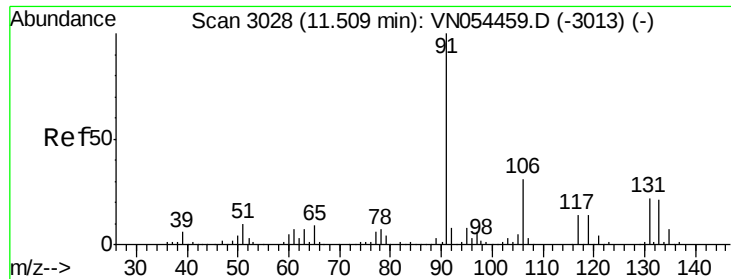
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#64
Tetrachloroethene
Concen: 20.359 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.9	155.9
129	95.2	71.1	106.7
131	93.6	68.2	102.4





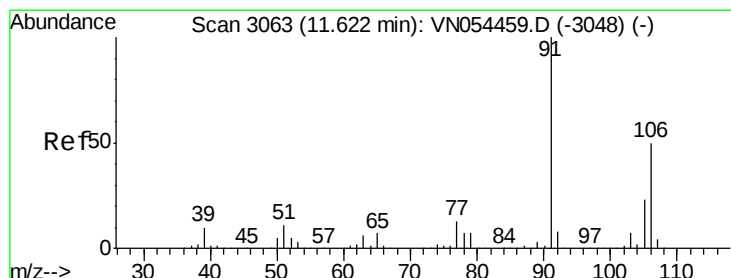
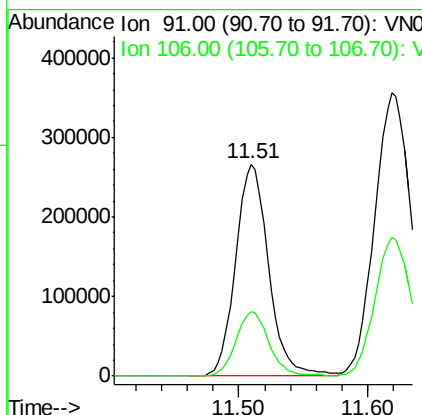
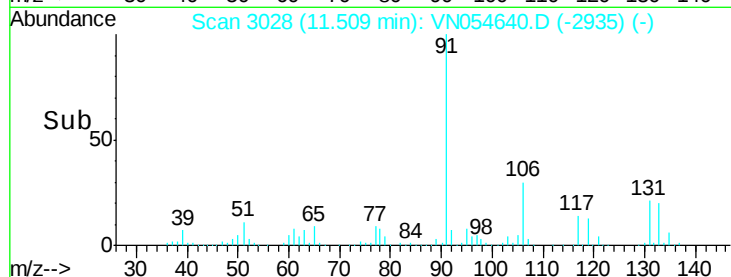
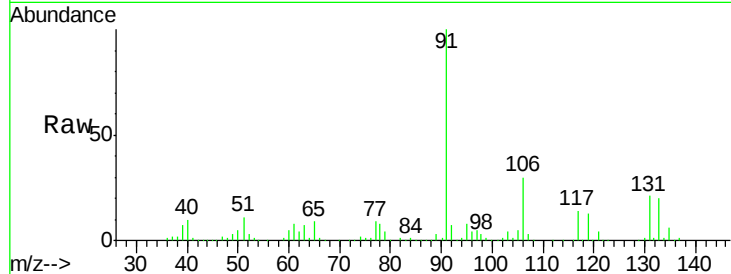
#67
Ethyl Benzene
Concen: 20.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion: 91 Resp: 474326
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

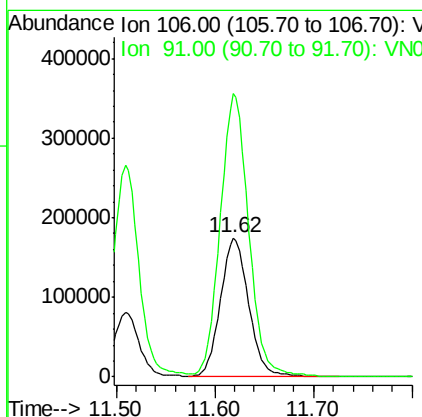
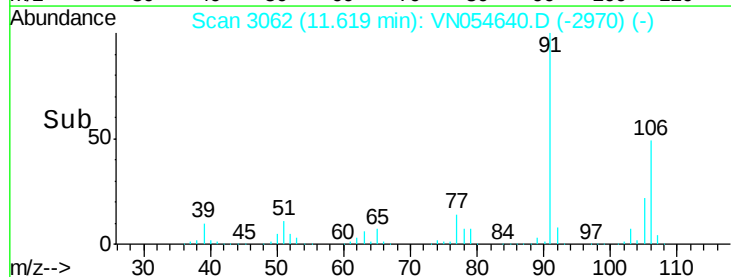
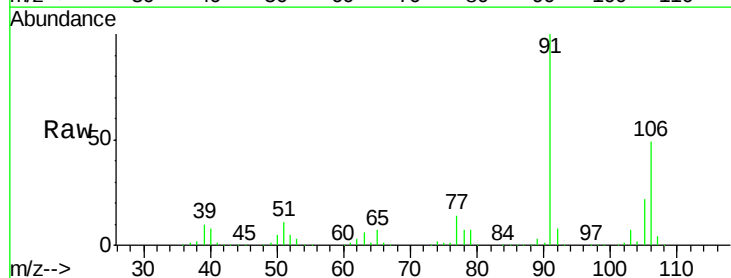
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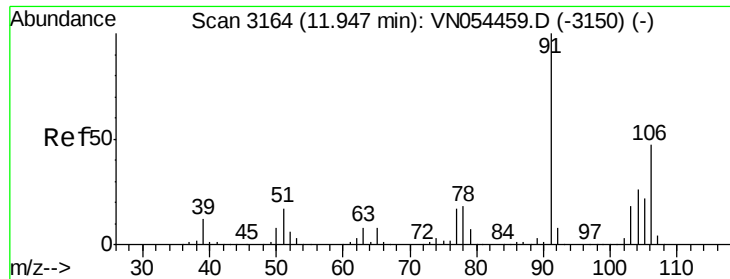
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#68
m/p-Xylenes
Concen: 40.965 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 106 Resp: 351810
Ion Ratio Lower Upper
106 100
91 205.0 159.4 239.2





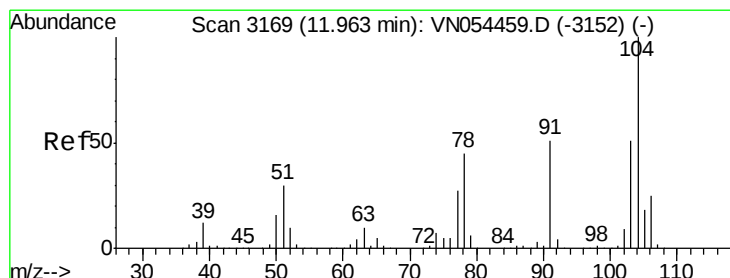
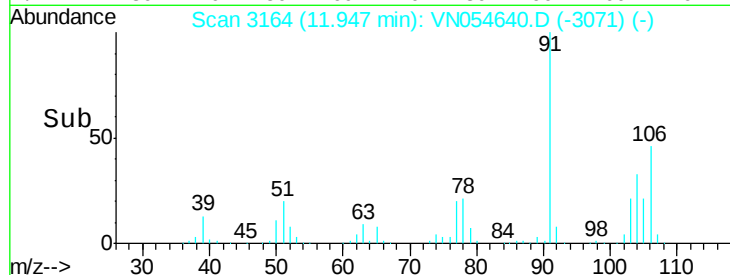
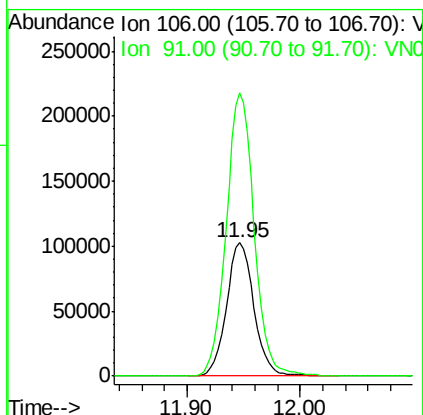
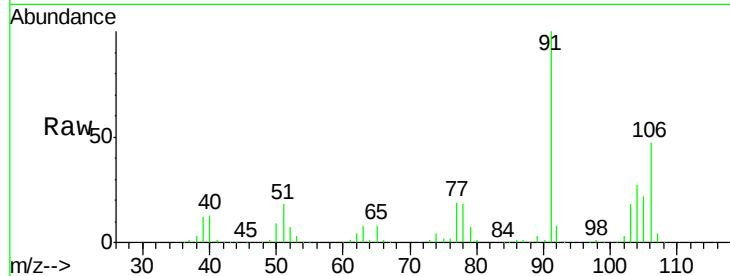
#69
o-Xylene
Concen: 20.619 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

Tot Ion:106 Resp: 172930
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1

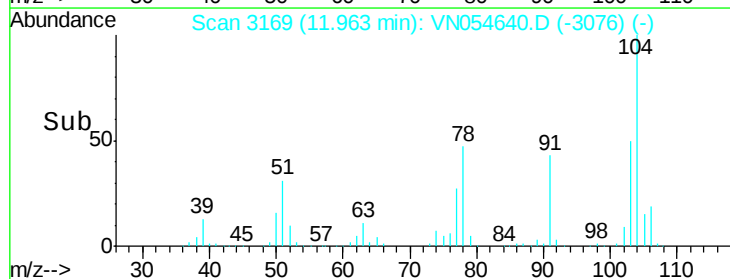
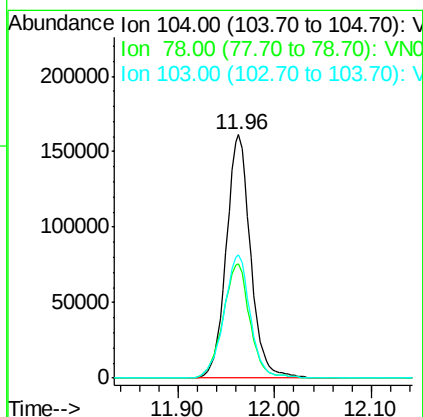
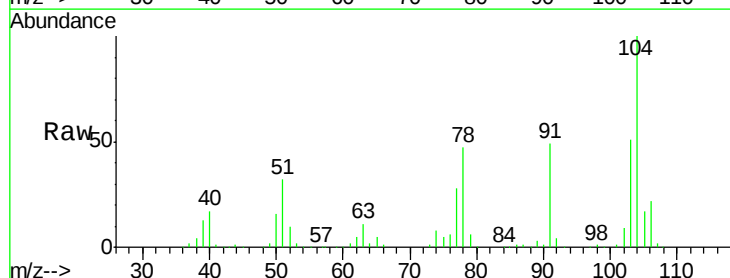
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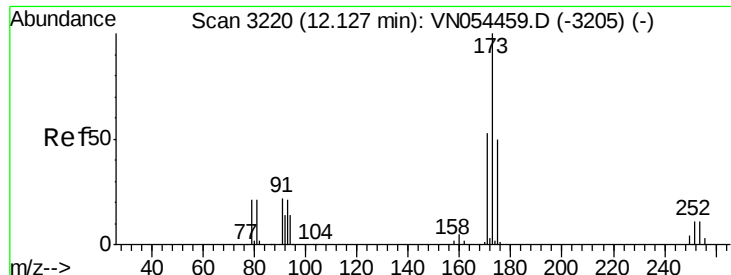
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#70
Styrene
Concen: 20.654 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion:104 Resp: 281302
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 54.6 44.4 66.6





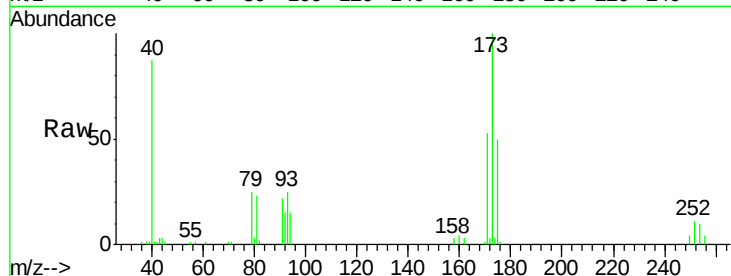
#71
Bromoform
Concen: 17.924 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0324MBS01

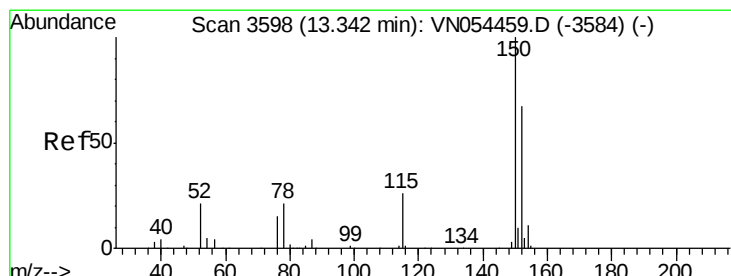
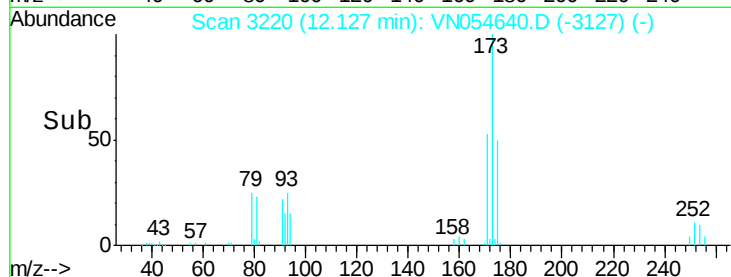
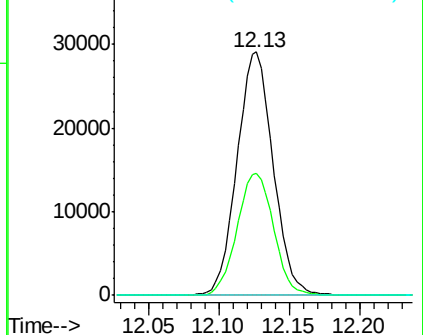
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.4	73.2
254	0.0	0.1	0.1#

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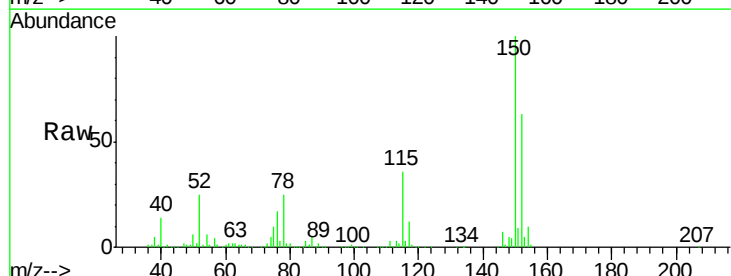


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

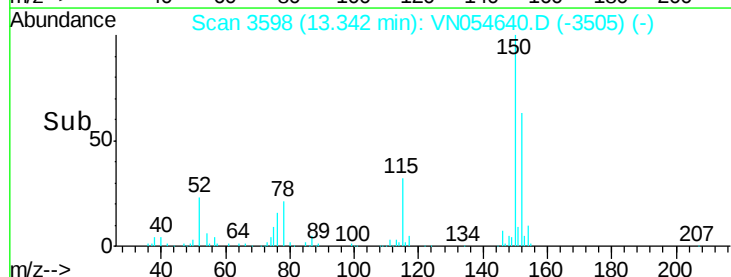
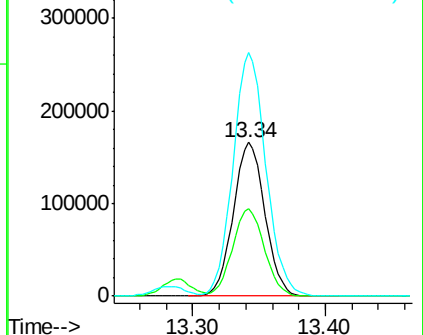


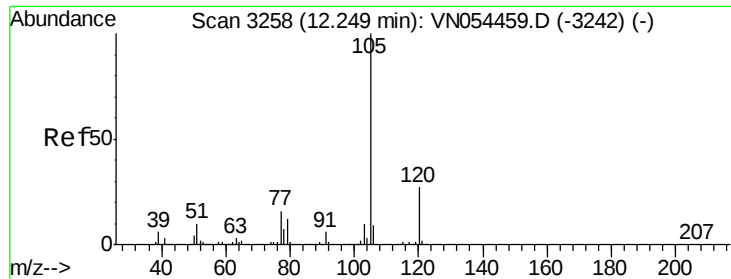
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.2	81.6
150	164.8	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: 20.819 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion:105 Resp: 460294

Ion Ratio Lower Upper

105 100

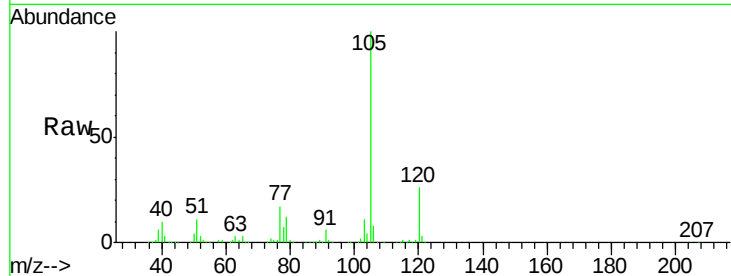
120 26.2 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

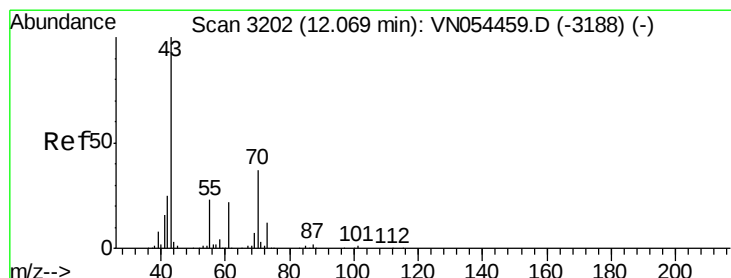
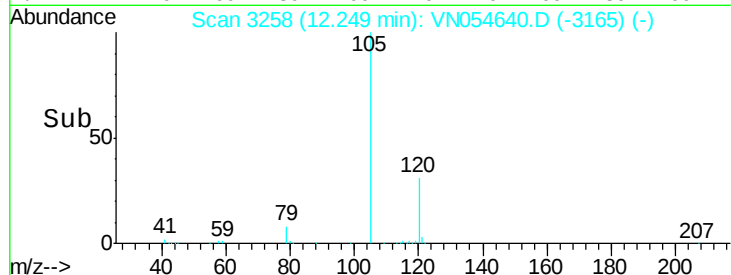
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.632 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion: 43 Resp: 137520

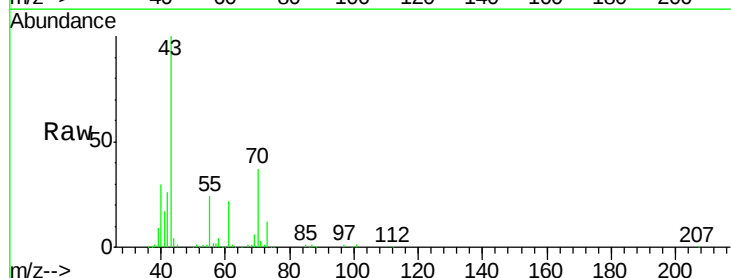
Ion Ratio Lower Upper

43 100

70 36.7 35.4 53.0

55 24.6 19.8 29.6

61 22.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

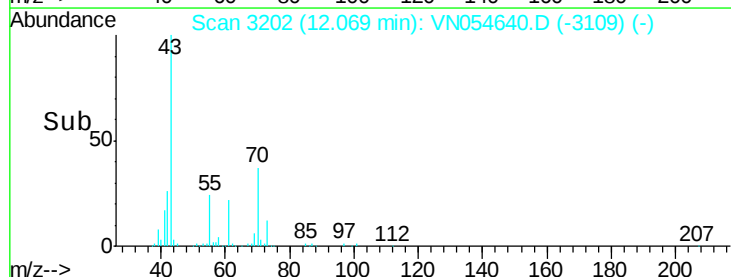
Ion 61.00 (60.70 to 61.70): V

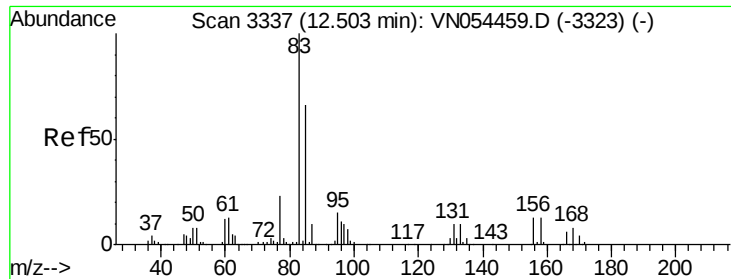
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.172 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

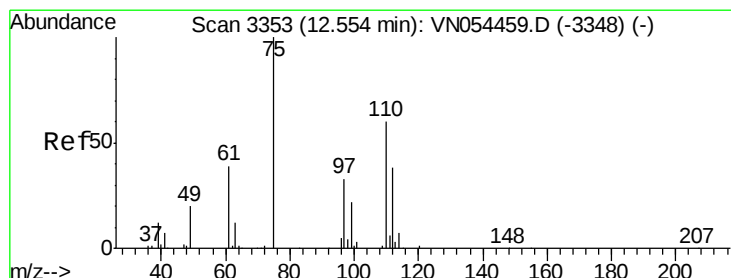
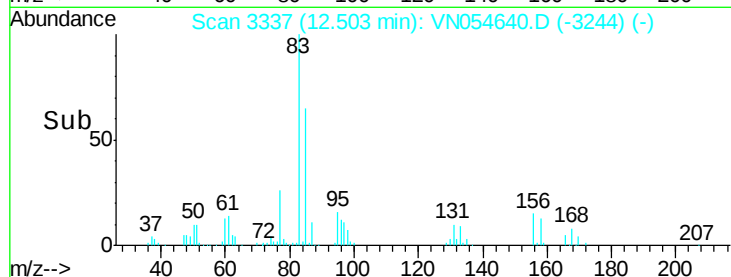
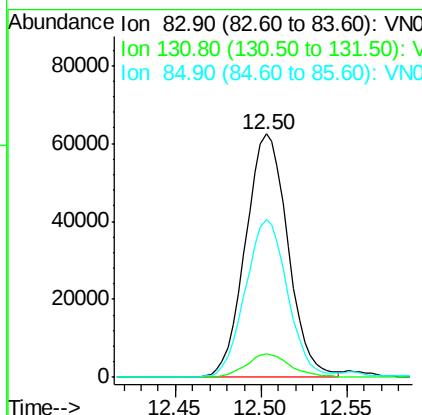
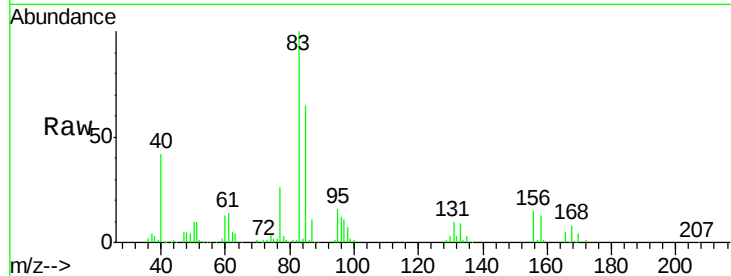
ClientSampleId :

VN0324MBS01

Tot Ion:	83	Resp:	106857
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	64.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 21.020 ug/l m

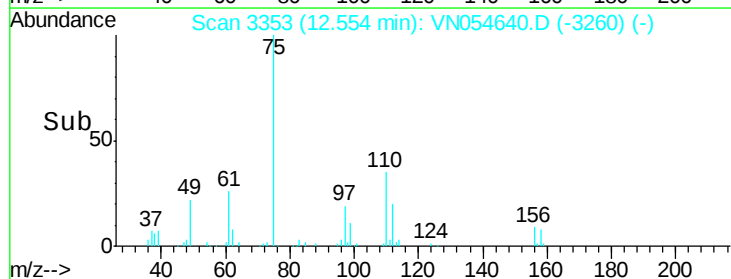
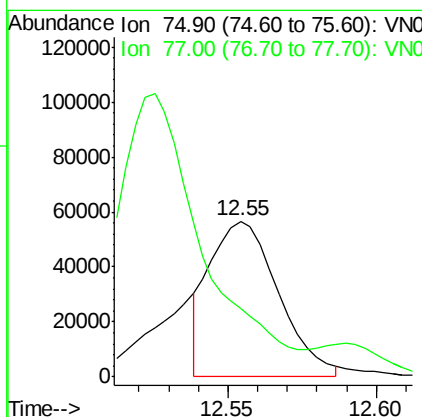
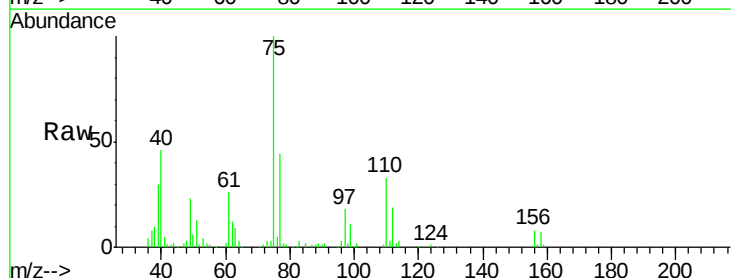
RT: 12.55 min Scan# 3353

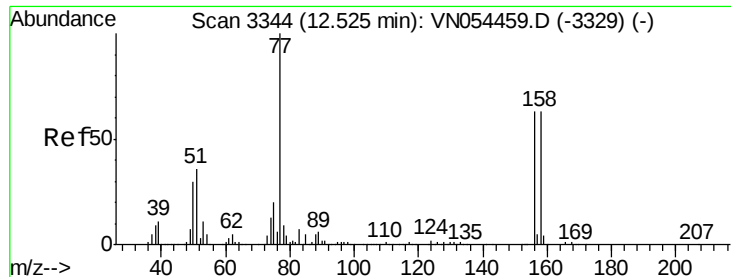
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	75	Resp:	91516
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.153 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

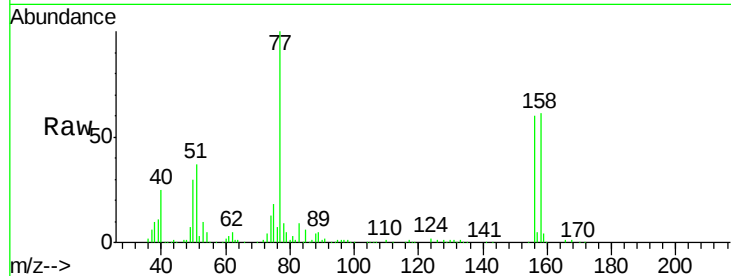
ClientSampleId :

VN0324MBS01

Tot Ion:	156	Resp:	110505
Ion Ratio	Lower	Upper	
156	100		
77	192.7	81.5	244.4
158	95.9	49.0	147.2

Manual Integrations
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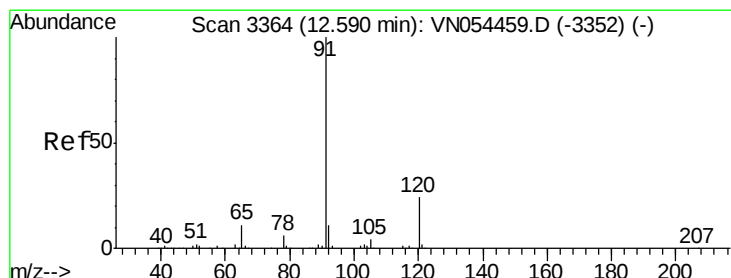
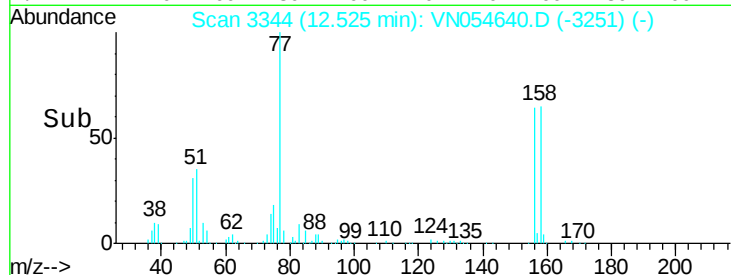
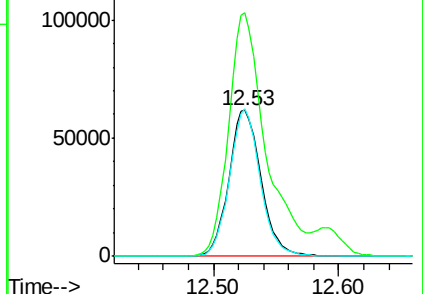
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.292 ug/l

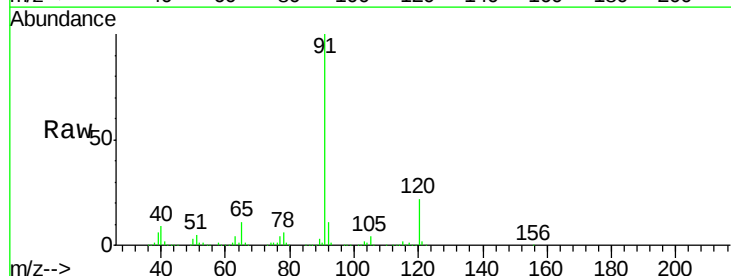
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054640.D

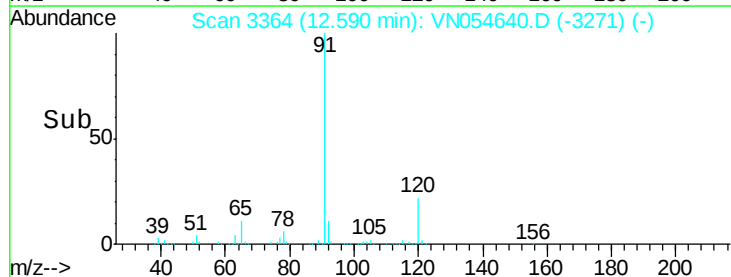
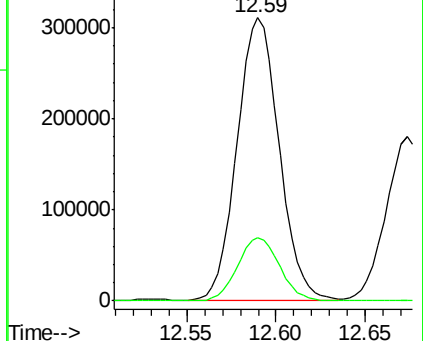
Acq: 24 Mar 2019 11:43

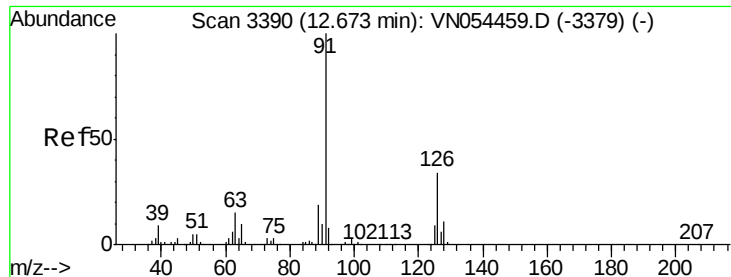
Tgt Ion:	91	Resp:	510452
Ion Ratio	Lower	Upper	
91	100		
120	22.5	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.389 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion: 91 Resp: 304828

Ion Ratio Lower Upper

91 100

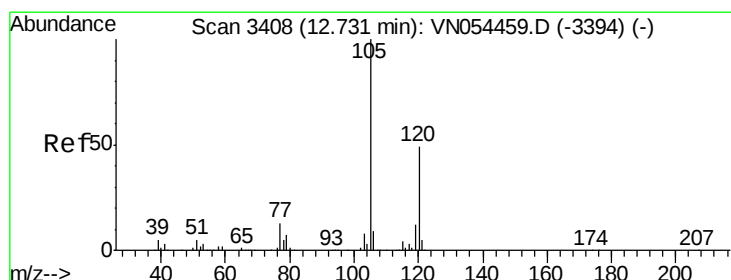
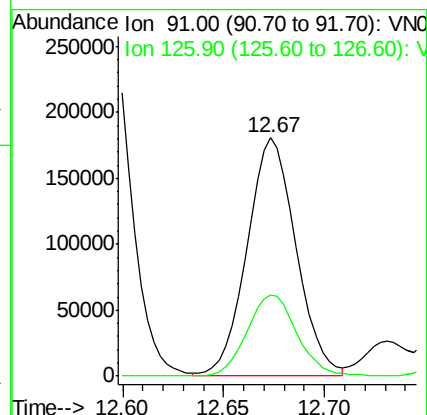
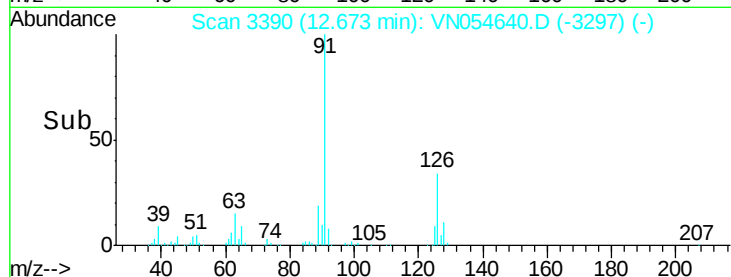
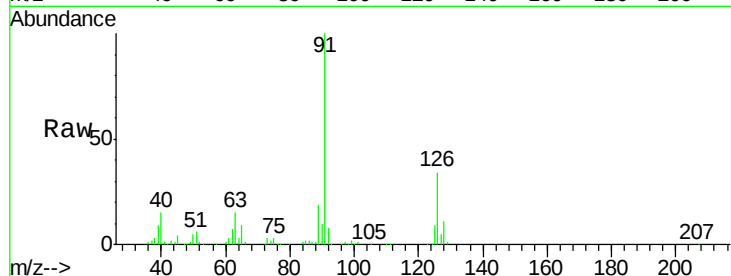
126 34.9 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054640.D

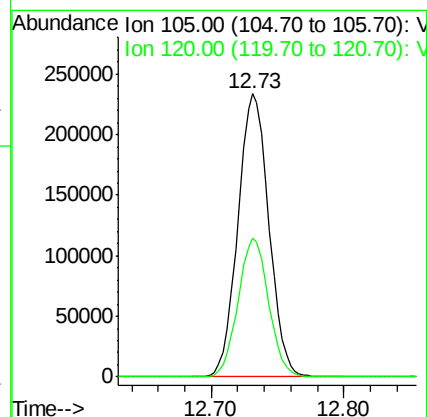
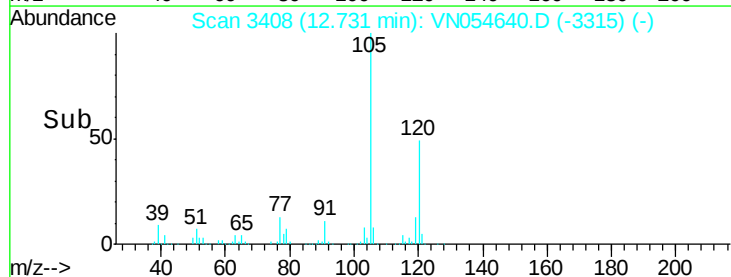
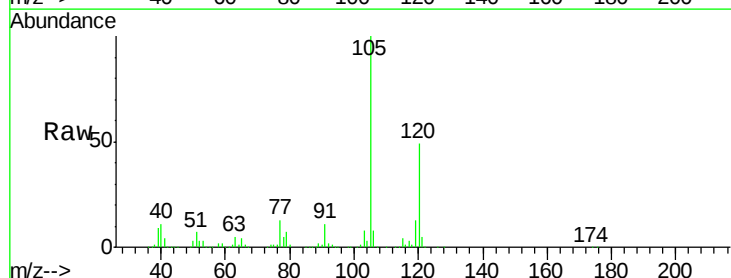
Acq: 24 Mar 2019 11:43

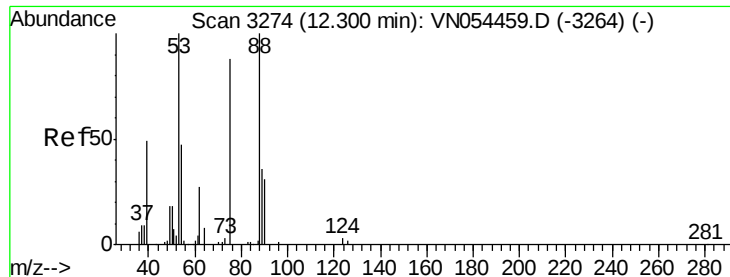
Tgt Ion: 105 Resp: 377996

Ion Ratio Lower Upper

105 100

120 48.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.858 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

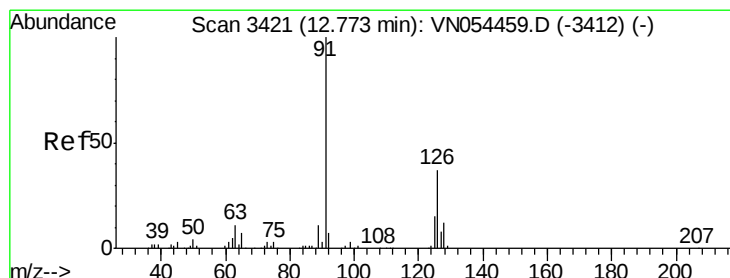
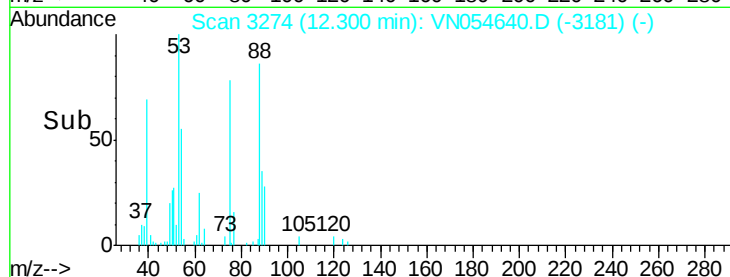
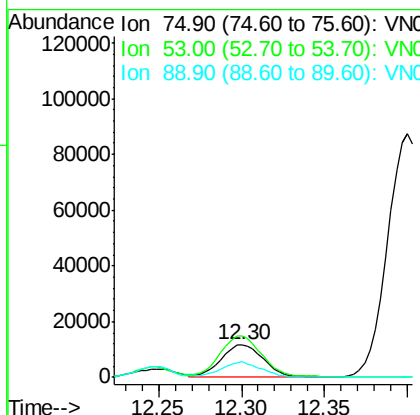
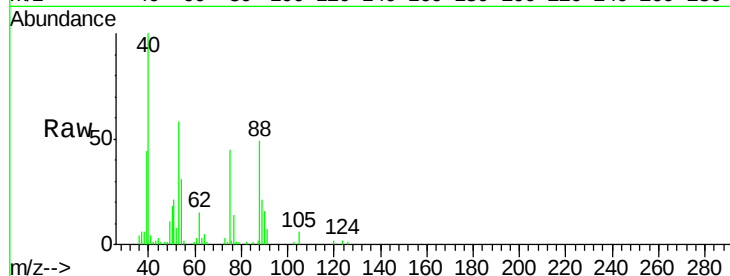
ClientSampleId :

VN0324MBS01

Tot Ion:	75	Resp:	21153
Ion	Ratio	Lower	Upper
75	100		
53	126.4	76.2	114.2#
89	44.2	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.887 ug/l

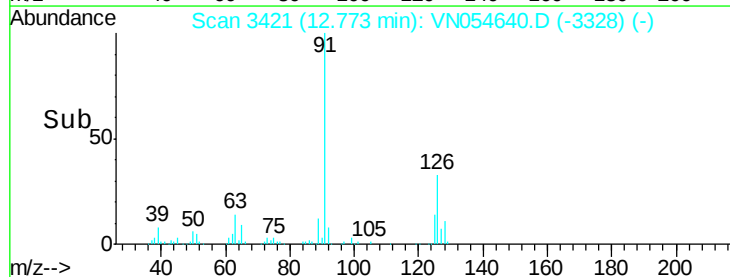
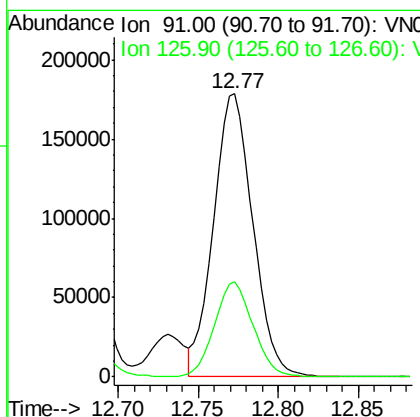
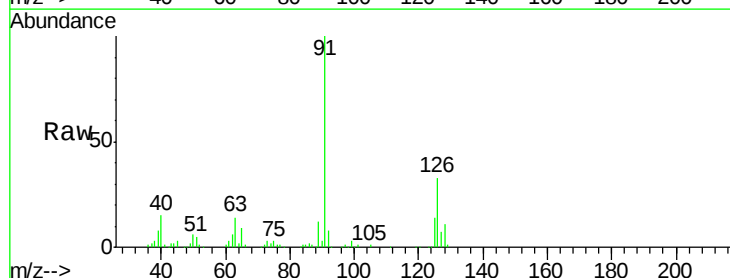
RT: 12.77 min Scan# 3421

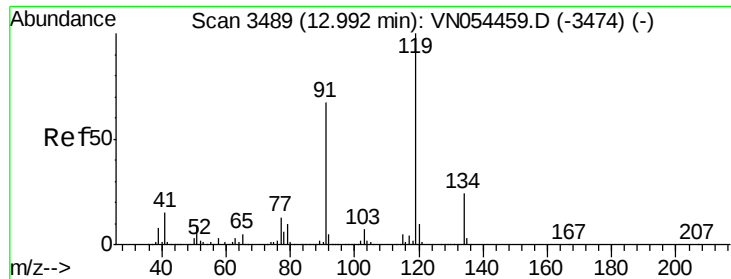
Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	91	Resp:	302683
Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





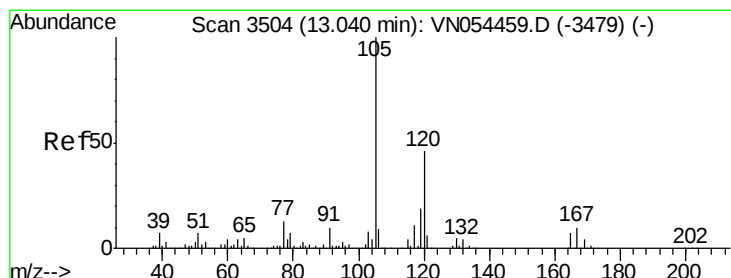
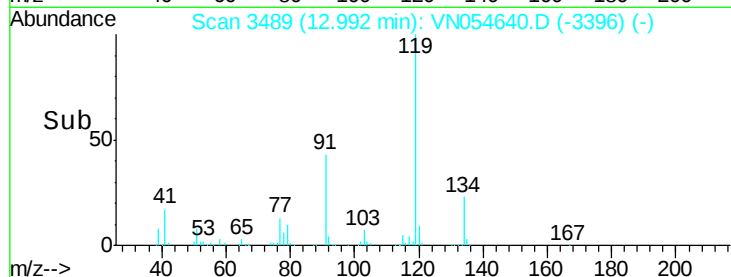
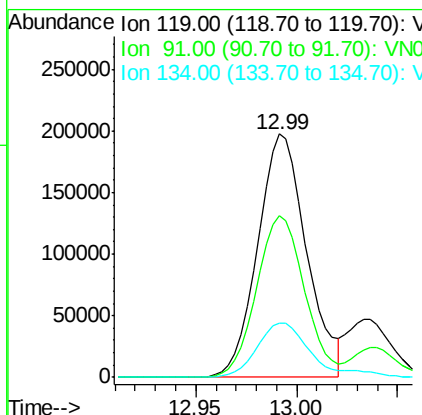
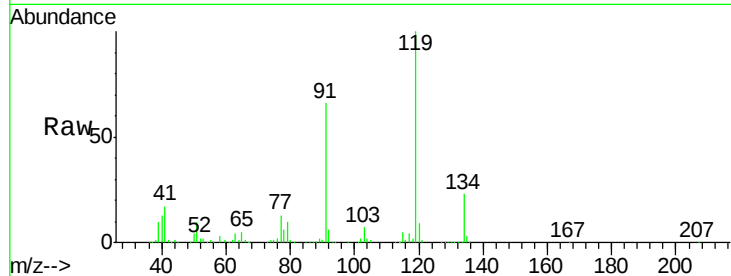
#83
 tert-Butylbenzene
 Concen: 21.135 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	30.9	92.8
134	24.9	13.2	39.6

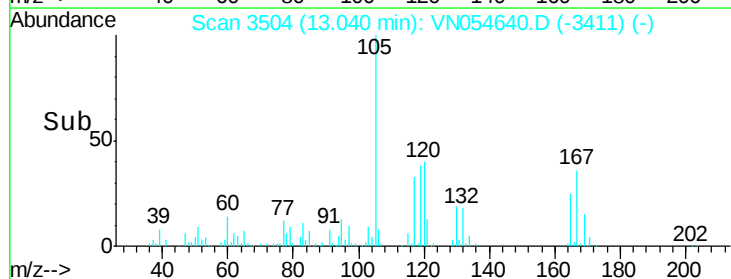
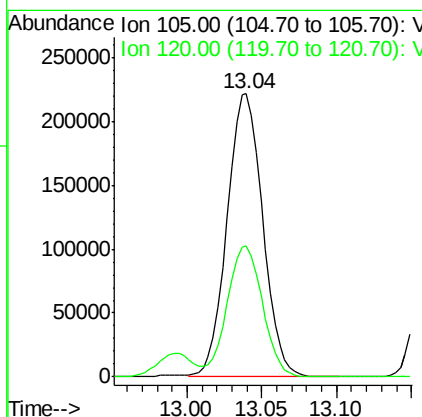
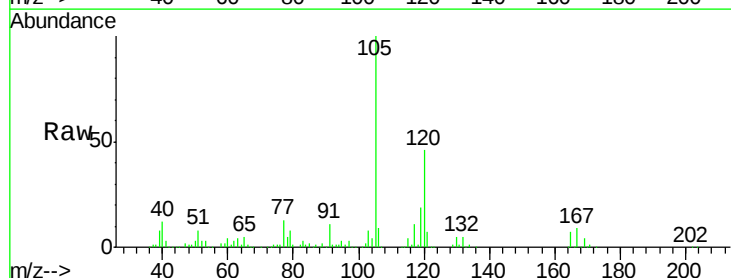
Manual Integrations
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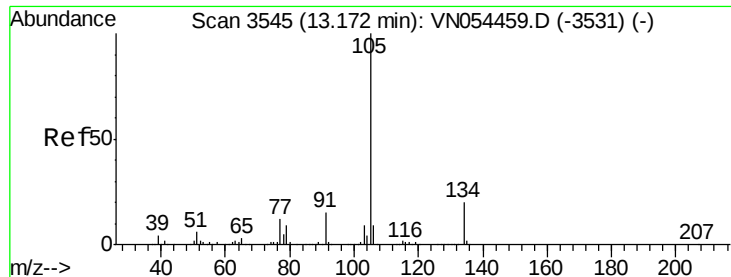
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.720 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.967 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBS01

Tot Ion:105 Resp: 412268

Ion Ratio Lower Upper

105 100

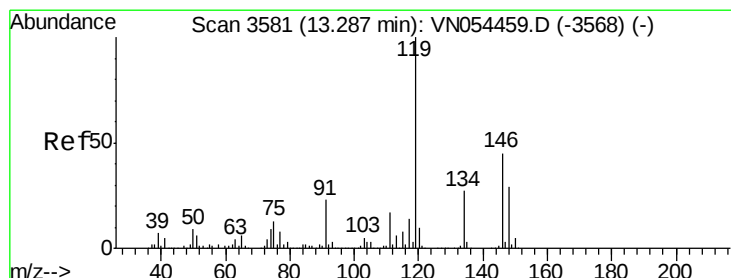
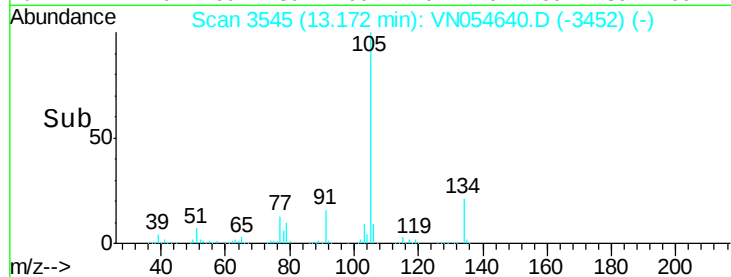
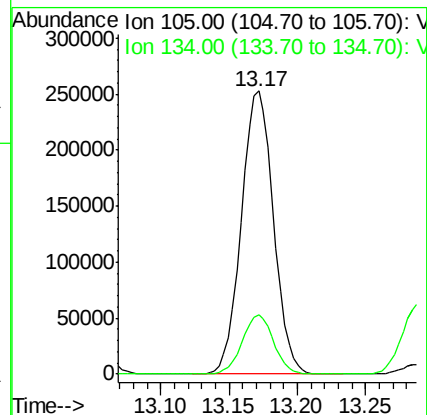
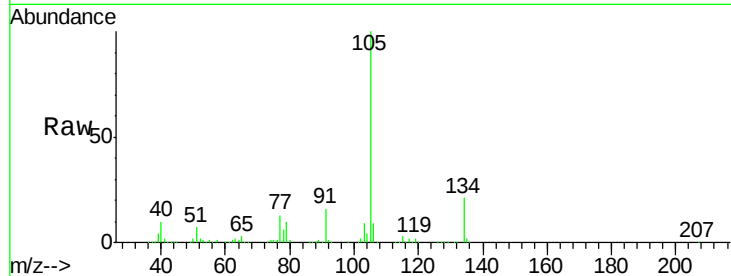
134 20.4 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 21.237 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

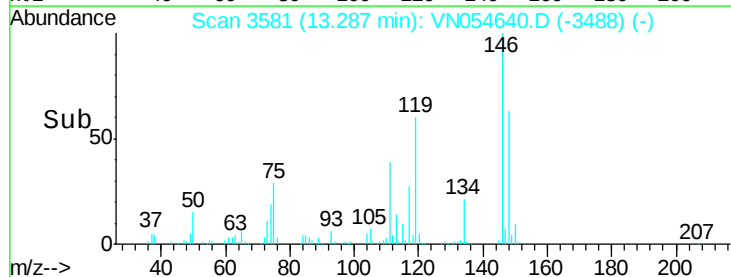
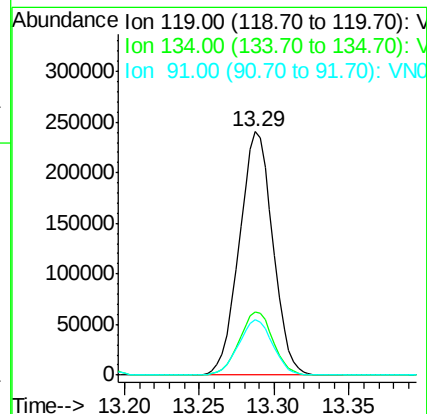
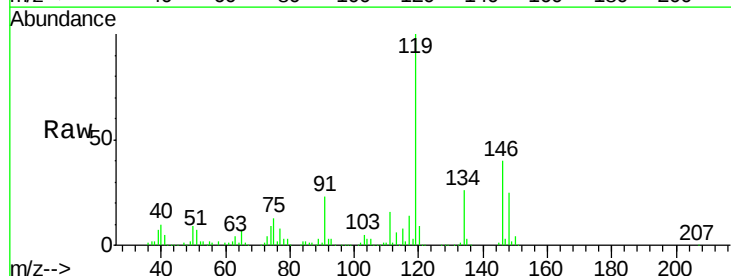
Tgt Ion:119 Resp: 373577

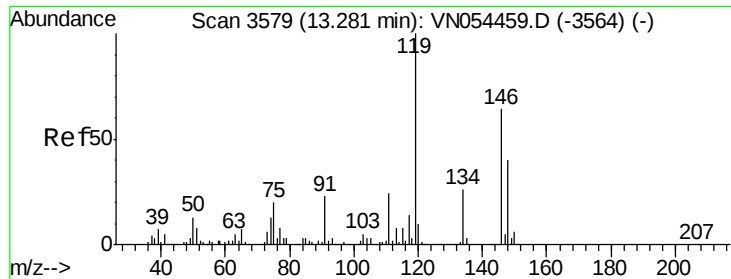
Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

91 23.3 11.1 33.3





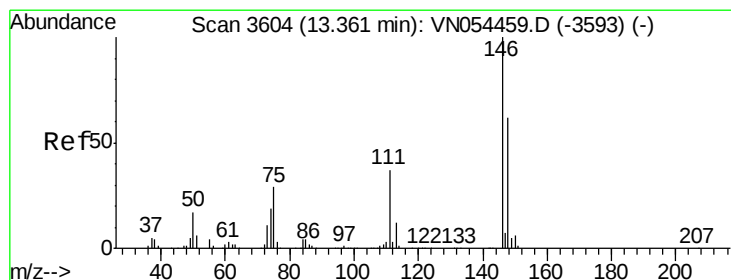
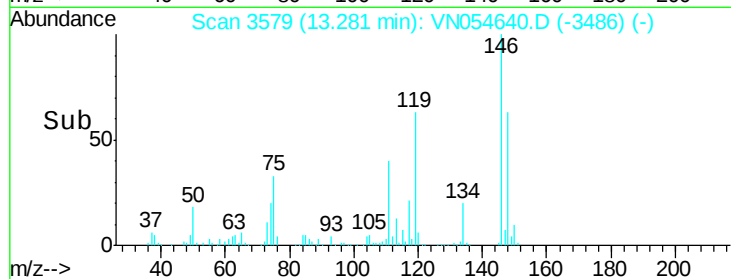
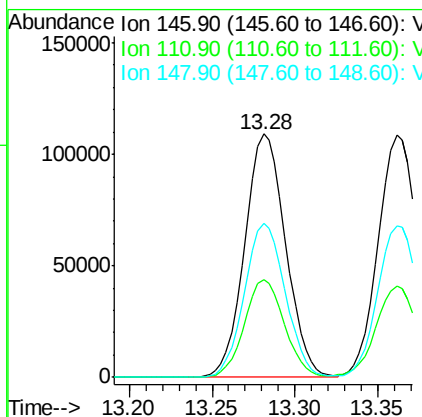
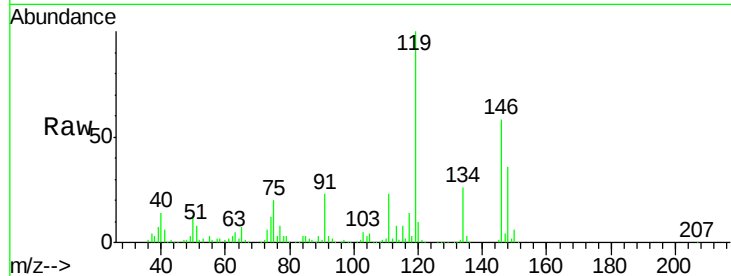
#87
 1,3-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187105		
111	39.2	18.8	56.3	
148	63.1	32.2	96.6	

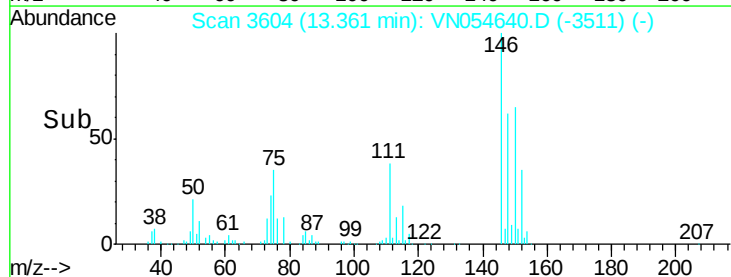
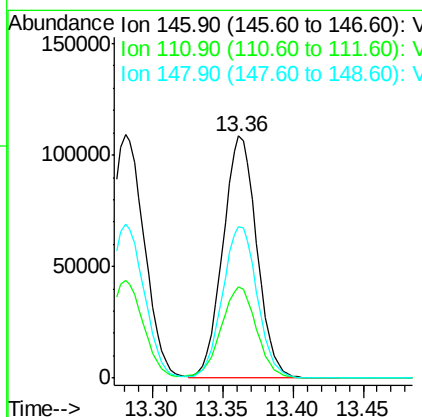
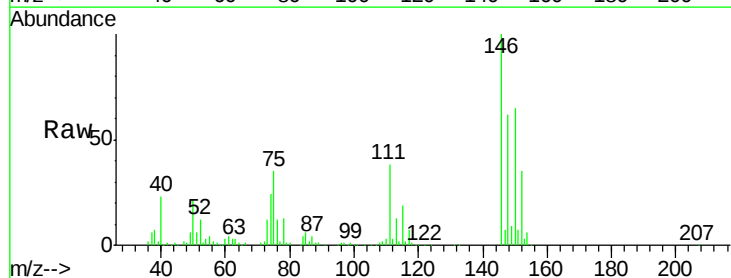
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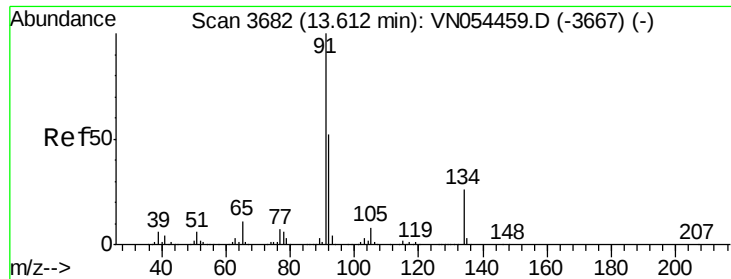
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#88
 1,4-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182165		
111	39.4	18.1	54.1	
148	64.2	32.0	96.0	





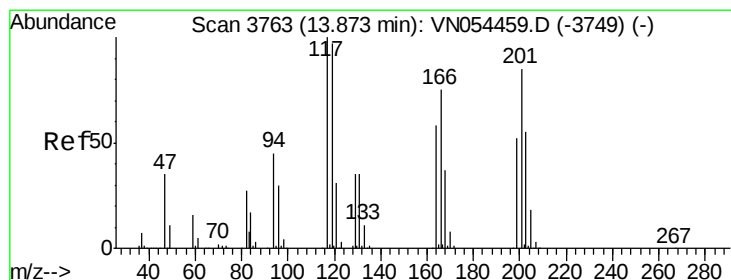
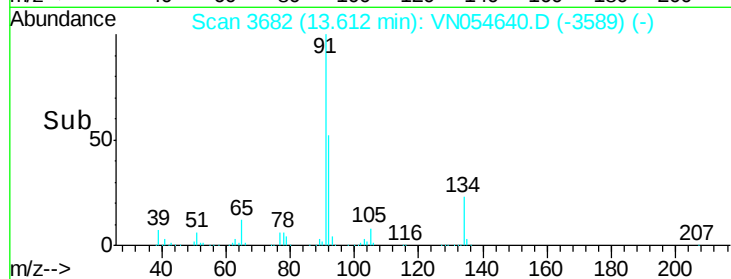
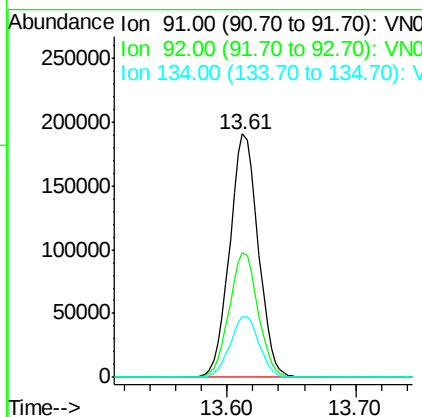
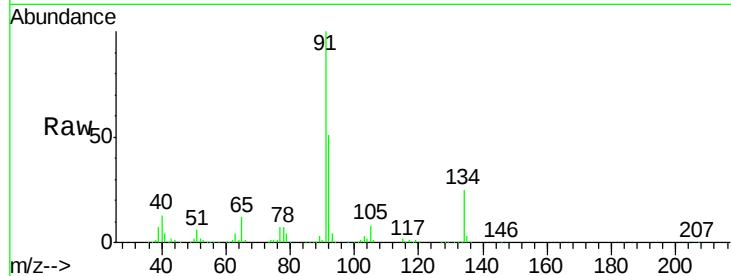
#89
n-Butylbenzene
Concen: 21.275 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0324MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	25.5	14.3	42.9

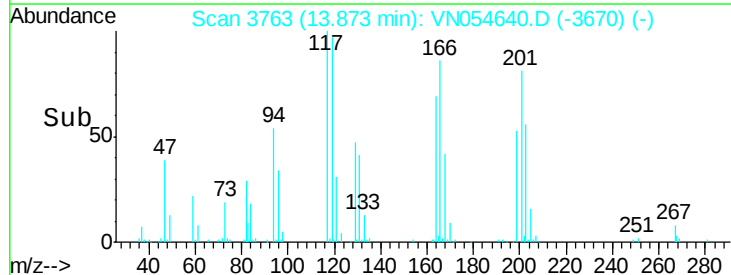
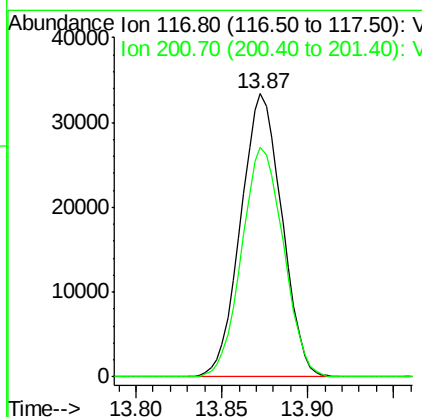
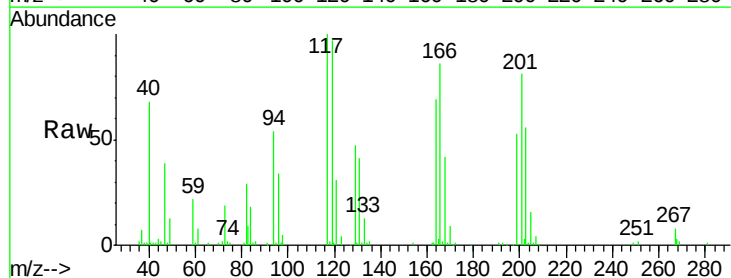
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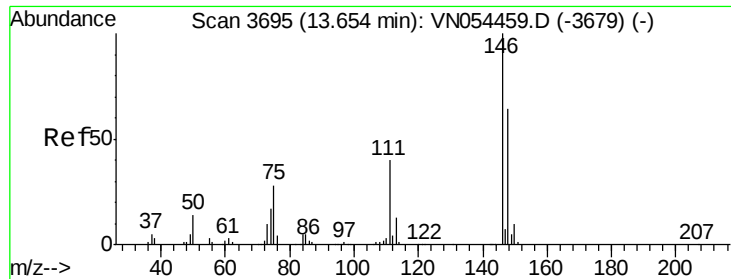
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#90
Hexachloroethane
Concen: 20.372 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	48.1	144.4





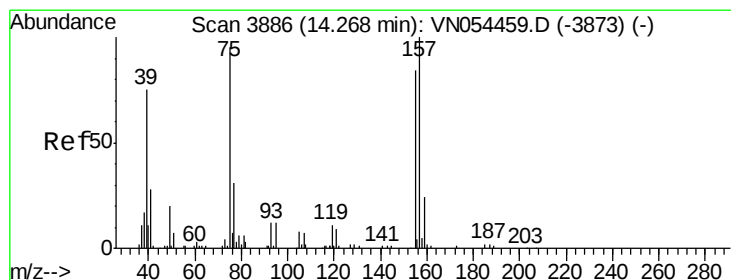
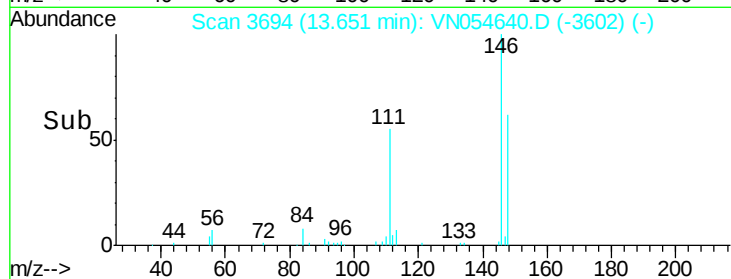
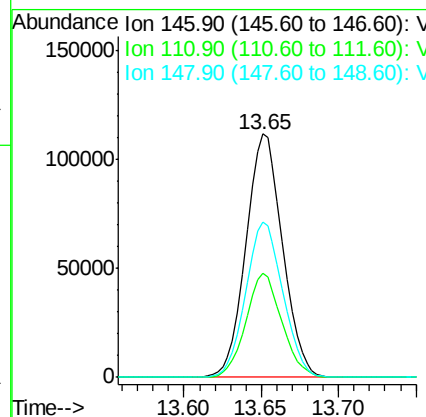
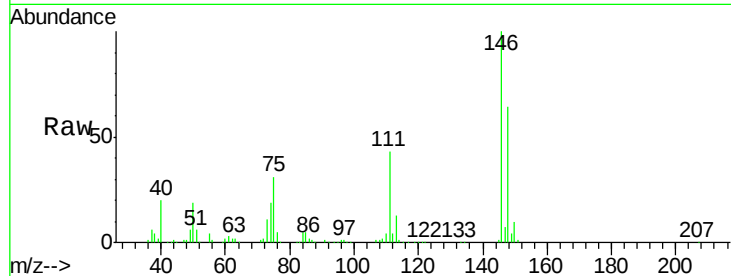
#91
 1,2-Dichlorobenzene
 Concen: 20.835 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.1	57.3
148	64.8	32.4	97.0

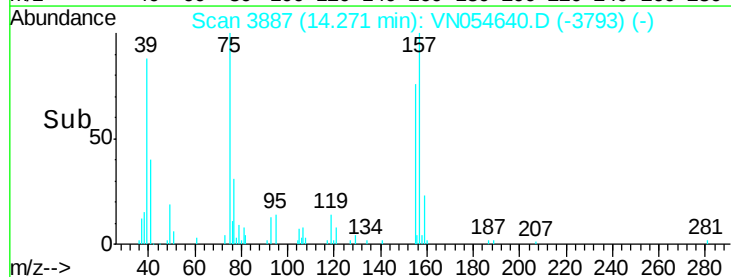
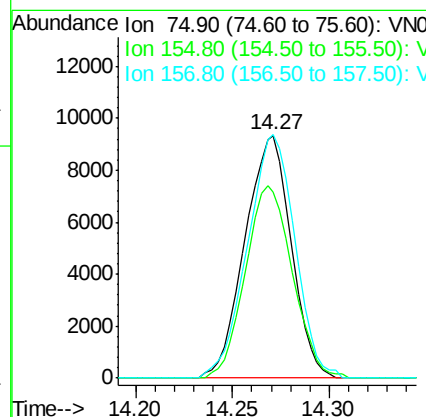
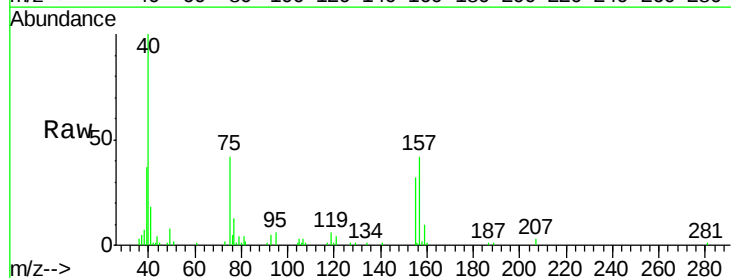
Manual Integrations
 APPROVED

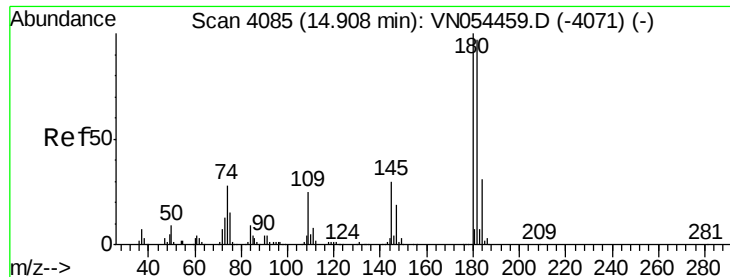
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 3/25/2019 9:54:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.936 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	50.1	150.3
157	103.0	63.1	189.3





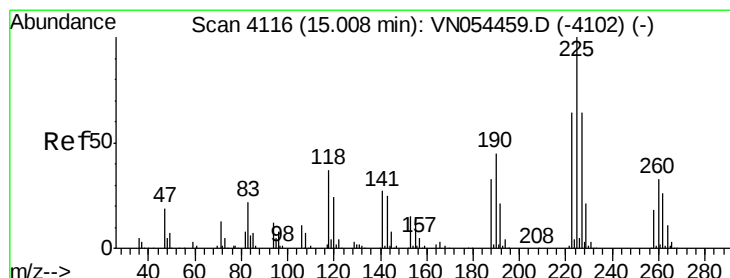
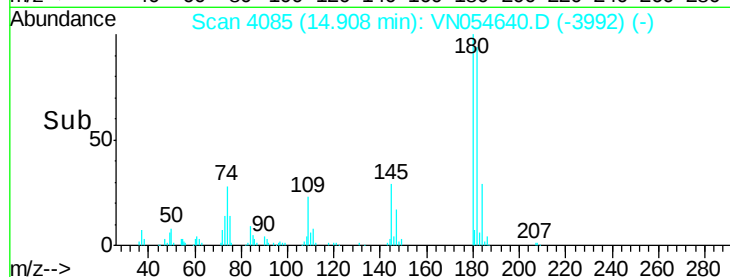
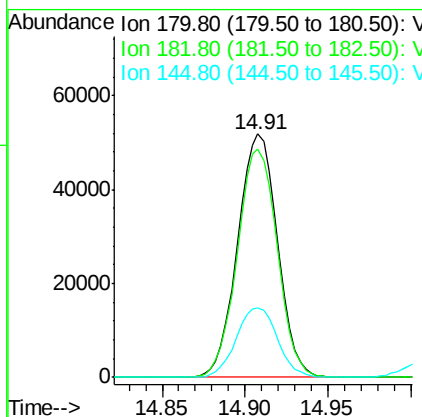
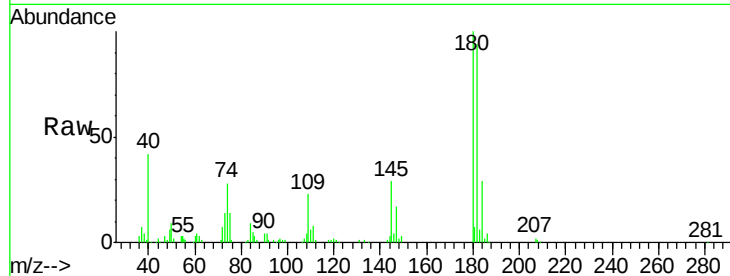
#93
 1,2,4-Trichlorobenzene
 Concen: 19.757 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	29.7	14.2	42.8

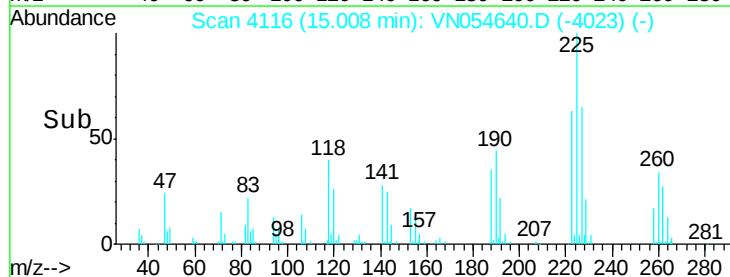
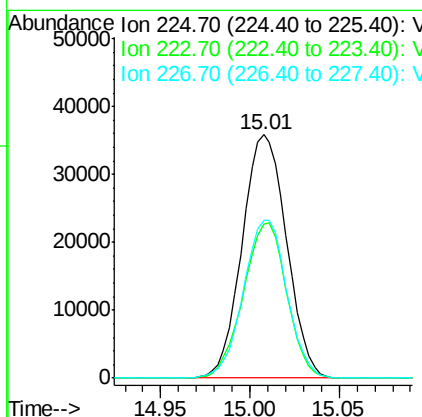
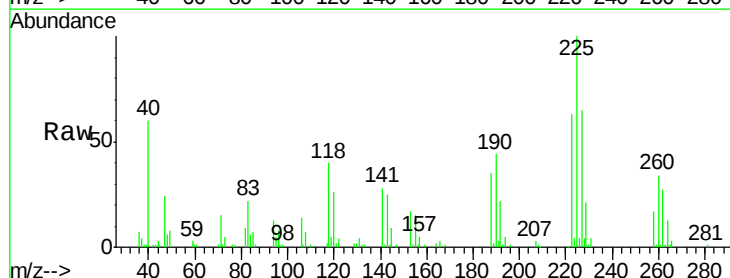
Manual Integrations
 APPROVED

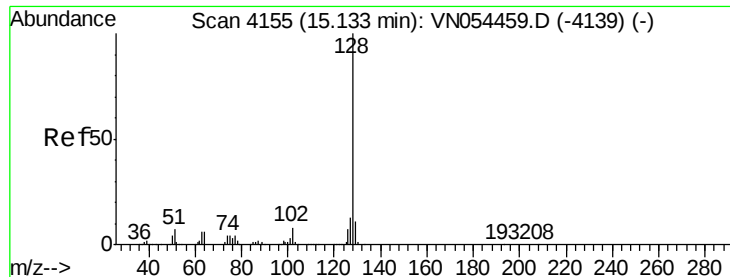
MMDadoda
 3/25/2019 9:54:44 AM



#94
 Hexachlorobutadiene
 Concen: 23.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	63.5	31.9	95.9





#95

Naphthalene

Concen: 18.726 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

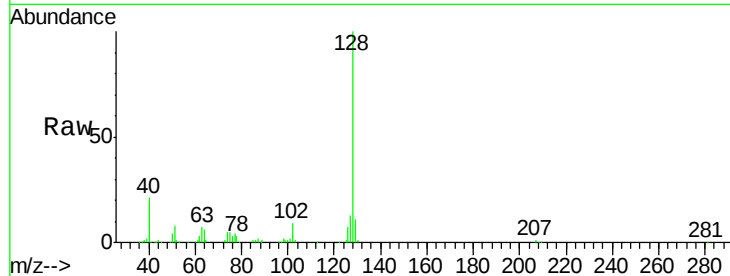
ClientSampleId :

VN0324MBS01

Tot Ion:	128	Resp:	183261
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 9:54:44 AM



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

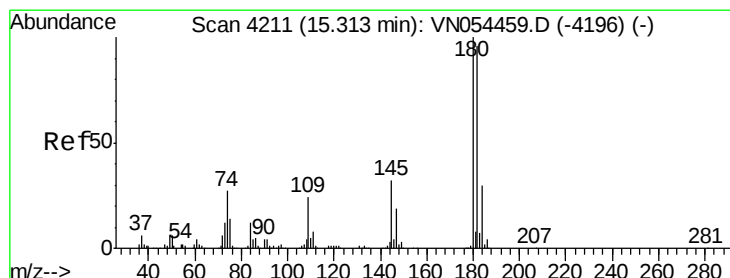
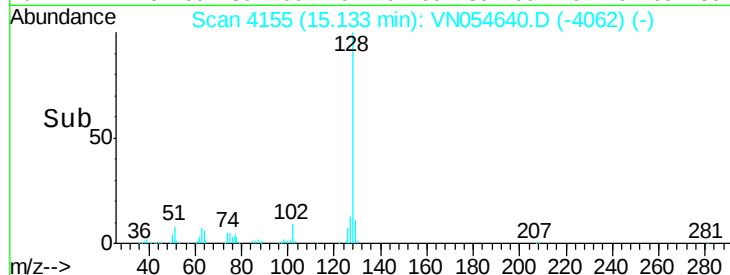
15.13

100000

50000

0

Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 19.472 ug/l

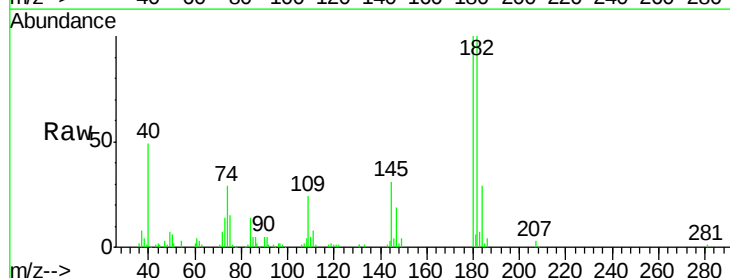
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion:	180	Resp:	85029
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.6
145	31.3	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

15.31

60000

50000

40000

30000

20000

10000

0

Time--> 15.25 15.30 15.35 15.40

