

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058540.D
 Acq On : 4 Oct 2019 15:03
 Operator : JC/SP
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:47 PM

Quant Time: Oct 05 02:28:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	388254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	279157	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	198775	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	771830	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.41	95	281230	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86050	20.213	ug/l	96
3) Chloromethane	2.04	50	109344	23.363	ug/l	100
4) Vinyl Chloride	2.17	62	93995	20.501	ug/l	96
5) Bromomethane	2.55	94	48869	20.067	ug/l	96
6) Chloroethane	2.68	64	62619	22.794	ug/l	99
7) Trichlorofluoromethane	3.00	101	119659	21.627	ug/l	97
8) Diethyl Ether	3.39	74	50261	21.054	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77002	20.493	ug/l	99
10) Methyl Iodide	3.93	142	64785	15.549	ug/l	99
11) Tert butyl alcohol	4.75	59	80562	127.815	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	74259	20.275	ug/l	98
13) Acrolein	3.58	56	21616	107.824	ug/l	98
14) Allyl chloride	4.30	41	140383	21.062	ug/l	98
15) Acrylonitrile	4.96	53	209814	114.217	ug/l	99
16) Acetone	3.79	43	186073	96.206	ug/l	98
17) Carbon Disulfide	4.03	76	188310	19.505	ug/l	99
18) Methyl Acetate	4.30	43	108194	22.241	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	278995	21.589	ug/l	100
20) Methylene Chloride	4.53	84	89740	20.106	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	80371	19.733	ug/l	98
22) Diisopropyl ether	5.93	45	301986	21.054	ug/l	96
23) Vinyl Acetate	5.87	43	1235112	114.204	ug/l	99
24) 1,1-Dichloroethane	5.82	63	174039	21.560	ug/l	99
25) 2-Butanone	6.81	43	283095	106.608	ug/l	99
26) 2,2-Dichloropropane	6.80	77	135713	20.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99391	20.880	ug/l	99
28) Bromochloromethane	7.18	49	70393	21.816	ug/l	99
29) Tetrahydrofuran	7.19	42	189860	112.649	ug/l	100
30) Chloroform	7.35	83	170736	20.872	ug/l	97
31) Cyclohexane	7.64	56	153939	19.605	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	144783	21.554	ug/l	98
36) 1,1-Dichloropropene	7.78	75	127514	20.210	ug/l	99
37) Ethyl Acetate	6.91	43	125343	23.431	ug/l	99
38) Carbon Tetrachloride	7.75	117	120563	21.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	140083	19.012	ug/l	98
40) Benzene	8.03	78	373144	20.574	ug/l	100
41) Methacrylonitrile	7.15	41	54118	21.990	ug/l	97
42) 1,2-Dichloroethane	8.11	62	144819	20.524	ug/l	100
43) Isopropyl Acetate	8.15	43	212002	21.075	ug/l #	91
44) Trichloroethene	8.82	130	92868	20.737	ug/l	100
45) 1,2-Dichloropropane	9.11	63	102796	21.133	ug/l	97
46) Dibromomethane	9.20	93	64598	20.971	ug/l	98
47) Bromodichloromethane	9.39	83	124105	21.264	ug/l	97
48) Methyl methacrylate	9.19	41	97983	21.391	ug/l	98
49) 1,4-Dioxane	9.19	88	31771	518.730	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	610574	118.164	ug/l	98
52) Toluene	10.15	92	226160	19.811	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	138075	21.736	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	151071	21.424	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93941	22.600	ug/l	97
56) Ethyl methacrylate	10.43	69	136799	21.689	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158429	21.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339039	134.805	ug/l	98
59) 2-Hexanone	10.75	43	439405	116.786	ug/l	99
60) Dibromochloromethane	10.90	129	88183	20.157	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90163	21.229	ug/l	98
64) Tetrachloroethene	10.63	164	80791	21.625	ug/l	97
65) Chlorobenzene	11.44	112	242092	20.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	87851	22.307	ug/l	99
67) Ethyl Benzene	11.51	91	445546	21.044	ug/l	100
68) m/p-Xylenes	11.62	106	325202	40.826	ug/l	99
69) o-Xylene	11.95	106	154854	20.195	ug/l	95
70) Styrene	11.97	104	260205	20.888	ug/l	99
71) Bromoform	12.13	173	52216	19.614	ug/l #	100
73) Isopropylbenzene	12.25	105	426782	20.649	ug/l	99
74) N-amyl acetate	12.07	43	183031	22.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132712	21.714	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	123379m	24.153	ug/l	
77) Bromobenzene	12.53	156	99157	20.460	ug/l	95
78) n-propylbenzene	12.60	91	500435	21.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	295706	20.574	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	359964	20.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35719	21.237	ug/l	99
82) 4-Chlorotoluene	12.78	91	301830	20.580	ug/l	98
83) tert-Butylbenzene	13.00	119	302757	20.737	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357078	20.599	ug/l	98
85) sec-Butylbenzene	13.18	105	411913	21.436	ug/l	99
86) p-Isopropyltoluene	13.30	119	365526	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	179256	20.398	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177050	20.250	ug/l	98
89) n-Butylbenzene	13.62	91	335951	21.926	ug/l	100
90) Hexachloroethane	13.88	117	56154	22.096	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179784	21.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25786	23.925	ug/l	95

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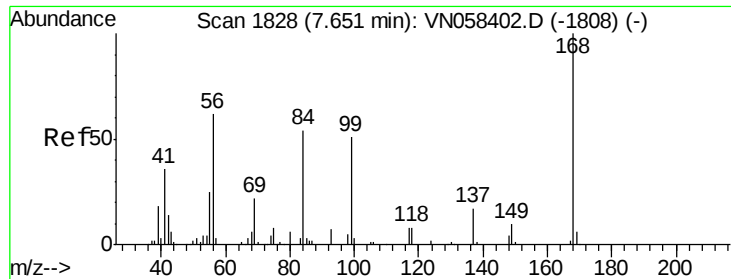
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102665	22.003	ug/l	98
94) Hexachlorobutadiene	15.02	225	53564	22.335	ug/l	99
95) Naphthalene	15.13	128	298992	21.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100449	21.459	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

VN1004WBSD01

Tot Ion:168 Resp: 388254

Ion Ratio Lower Upper

168 100

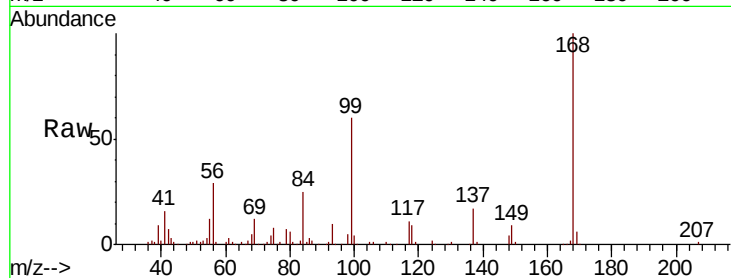
99 59.8 47.7 71.5

Manual Integrations

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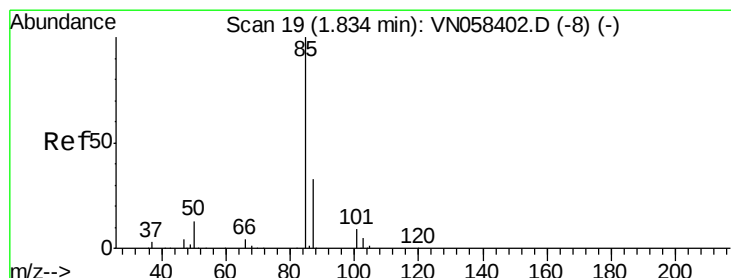
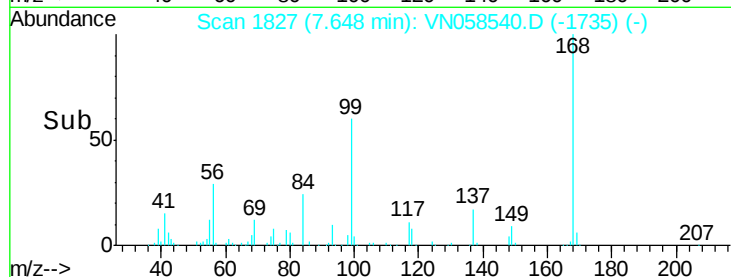
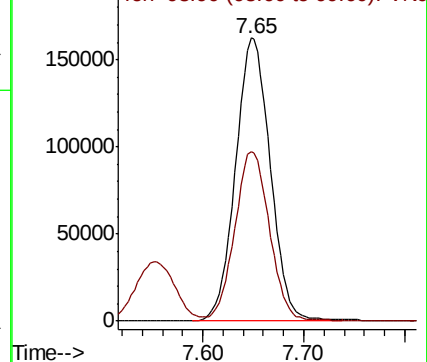
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.213 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058540.D

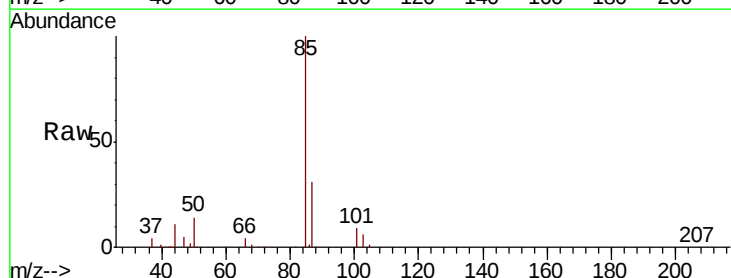
Acq: 4 Oct 2019 15:03

Tgt Ion: 85 Resp: 86050

Ion Ratio Lower Upper

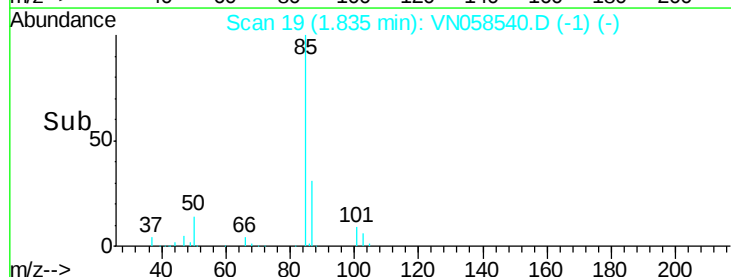
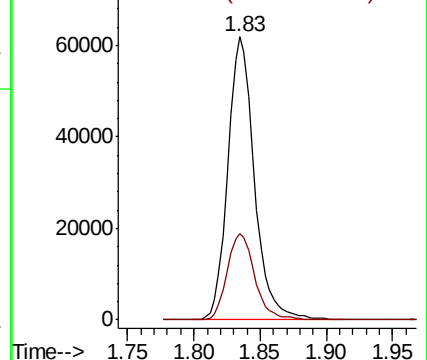
85 100

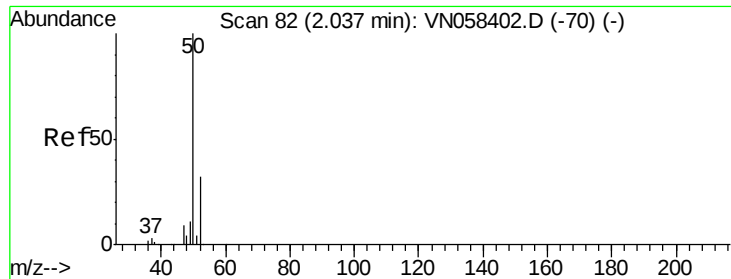
87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.363 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 50 Resp: 109344

Ion Ratio Lower Upper

50 100

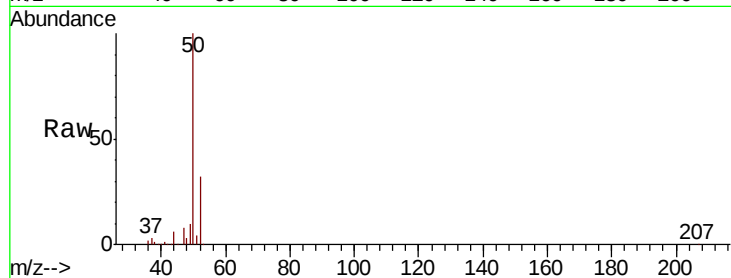
52 32.1 25.9 38.9

Manual Integrations

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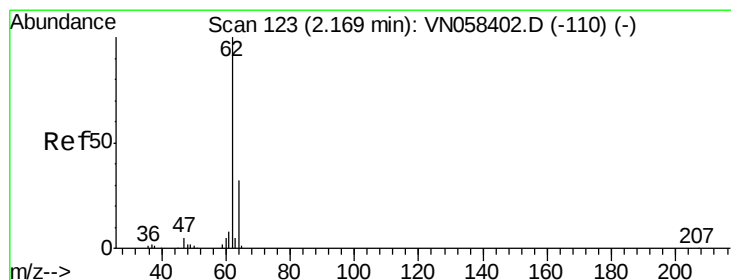
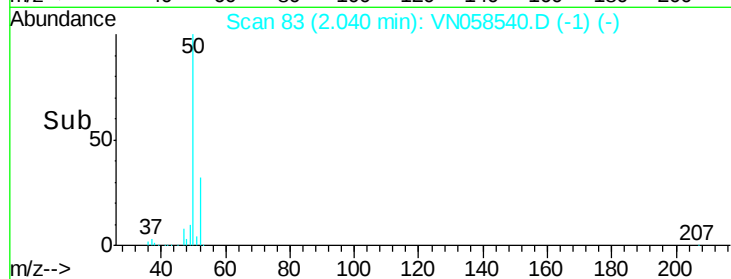
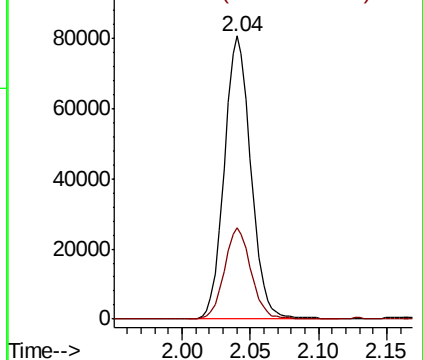
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.501 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058540.D

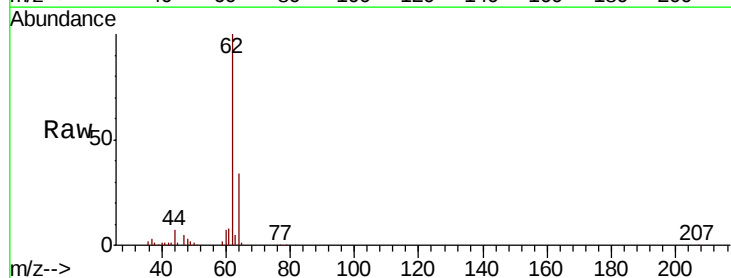
Acq: 4 Oct 2019 15:03

Tgt Ion: 62 Resp: 93995

Ion Ratio Lower Upper

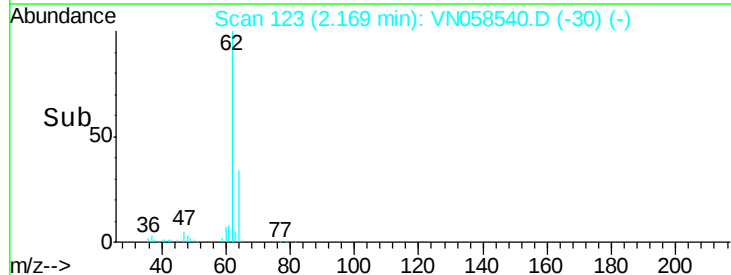
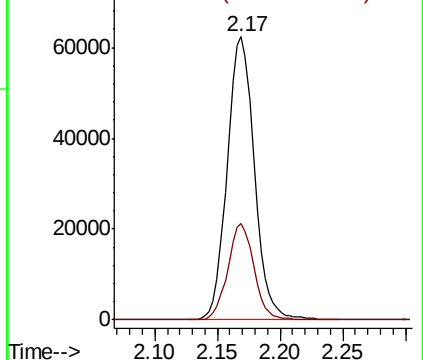
62 100

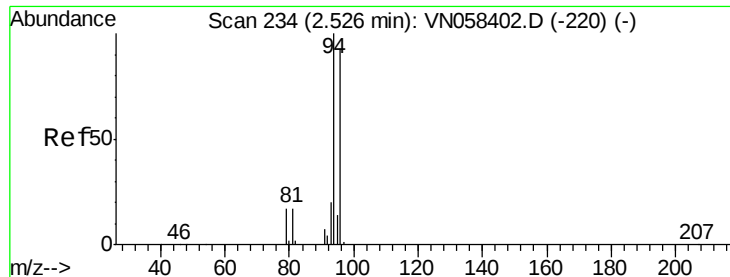
64 34.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.067 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

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ClientSampleId :

VN1004WBSD01

Tot Ion: 94 Resp: 48869

Ion Ratio Lower Upper

94 100

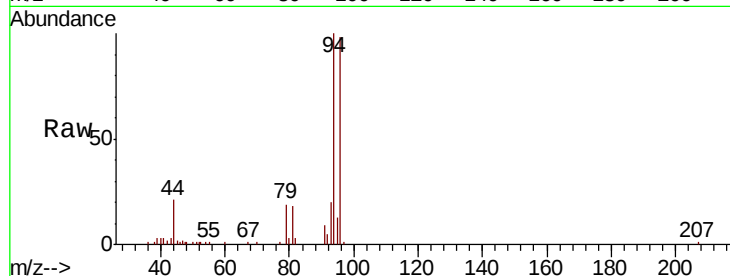
96 97.7 74.8 112.2

Manual Integrations

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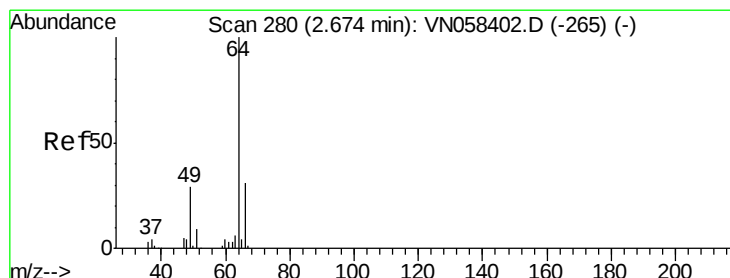
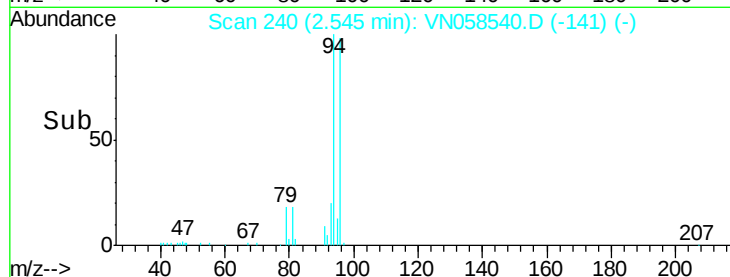
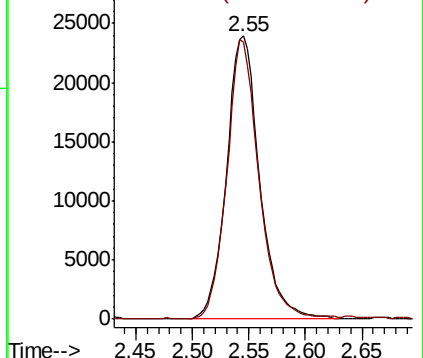
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 22.794 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058540.D

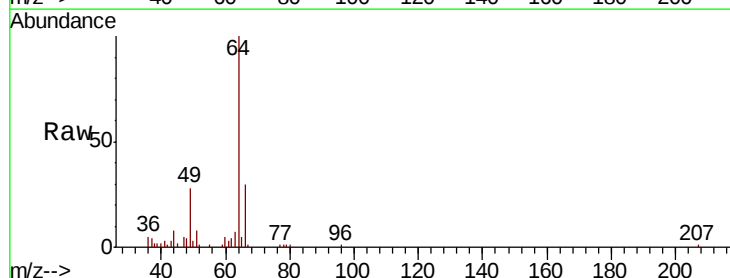
Acq: 4 Oct 2019 15:03

Tgt Ion: 64 Resp: 62619

Ion Ratio Lower Upper

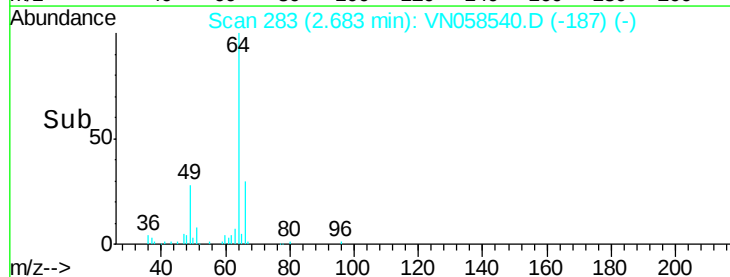
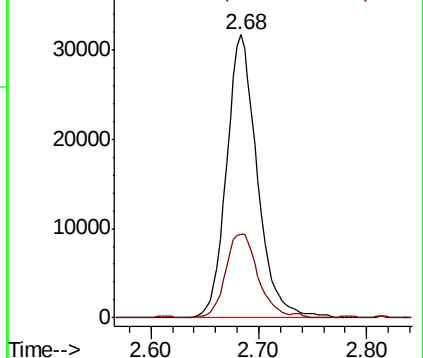
64 100

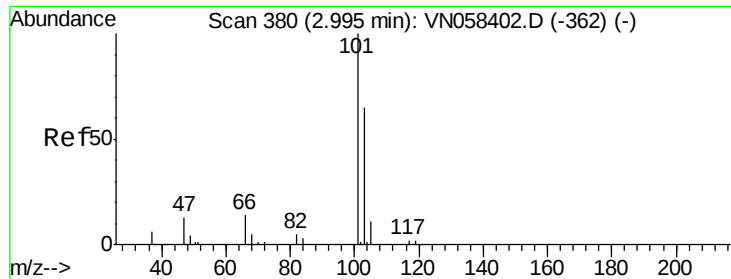
66 29.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

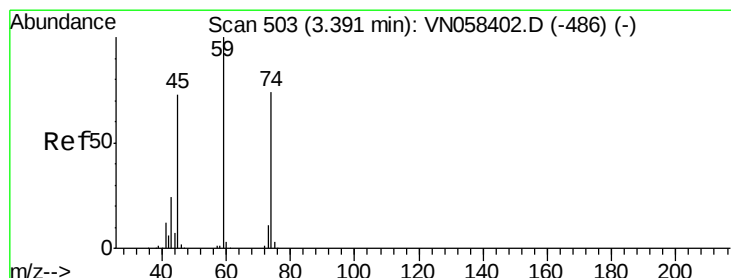
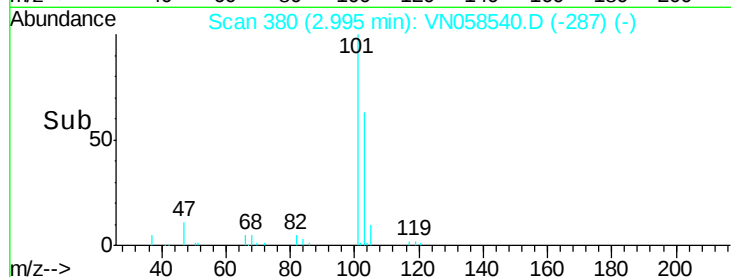
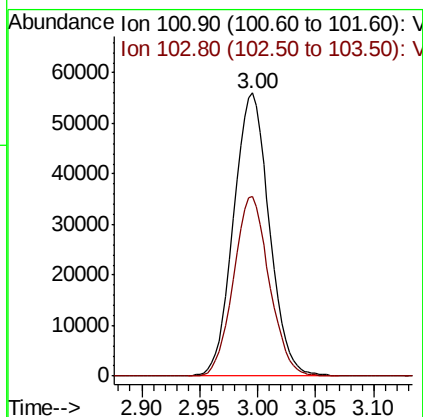
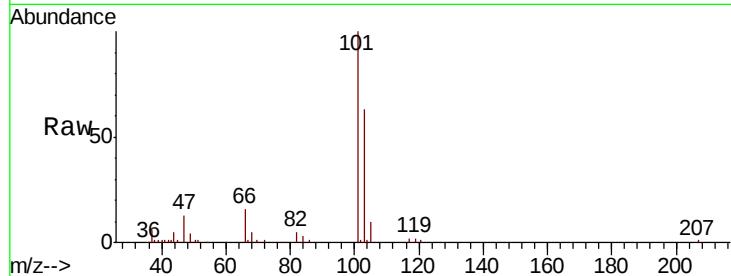
Trichlorofluoromethane
 Concen: 21.627 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

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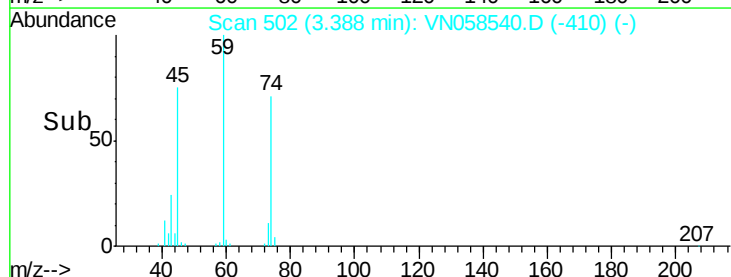
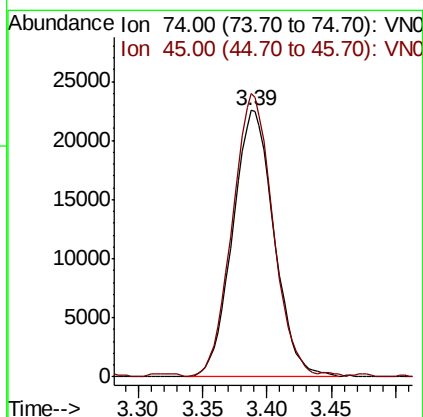
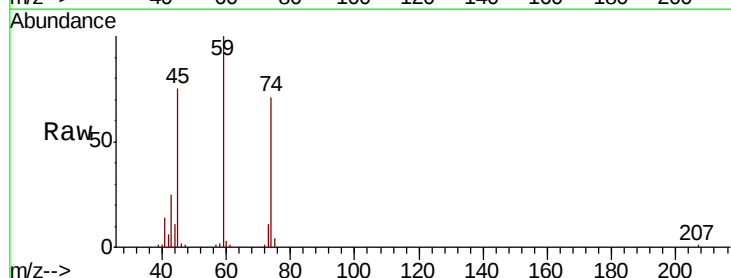
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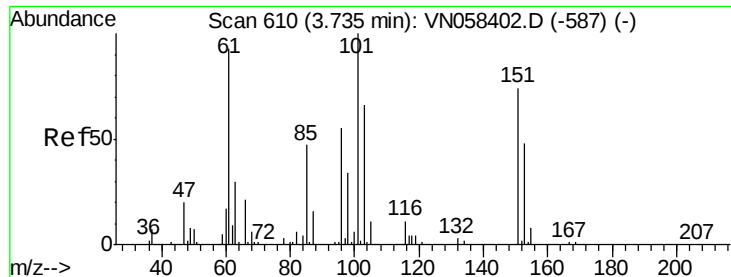


#8

Diethyl Ether
 Concen: 21.054 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.493 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

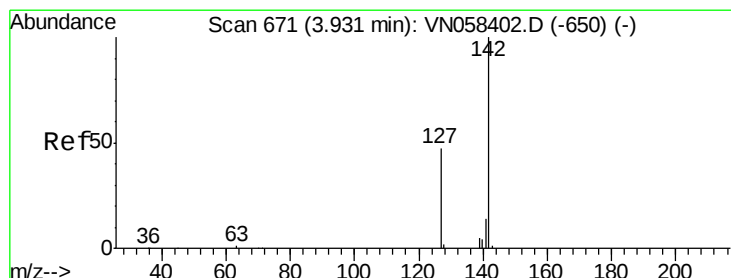
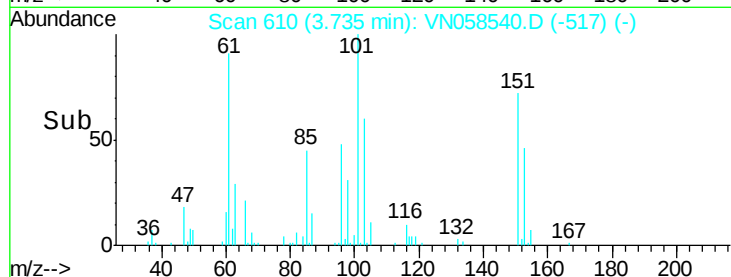
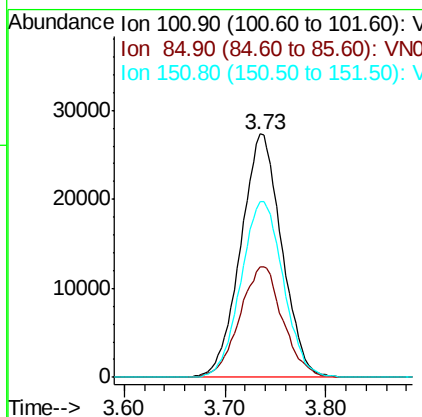
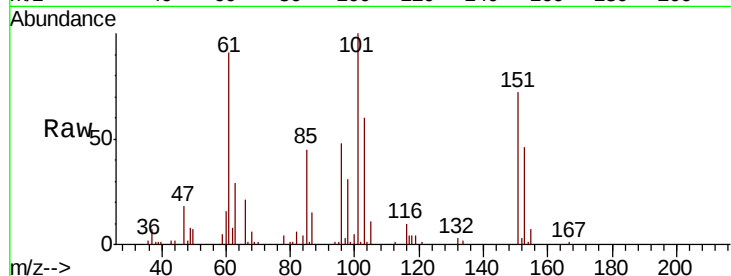
ClientSampleId :

VN1004WBSD01

Tot Ion:	101	Resp:	77002
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.7	55.1
151	74.6	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 15.549 ug/l

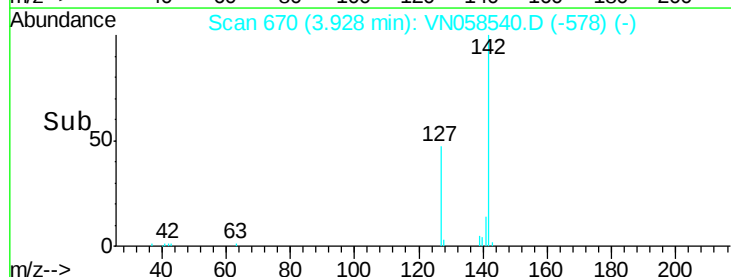
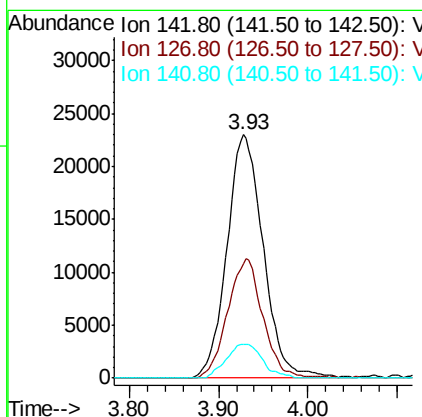
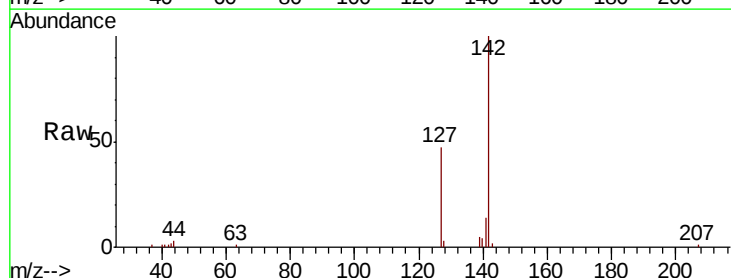
RT: 3.93 min Scan# 670

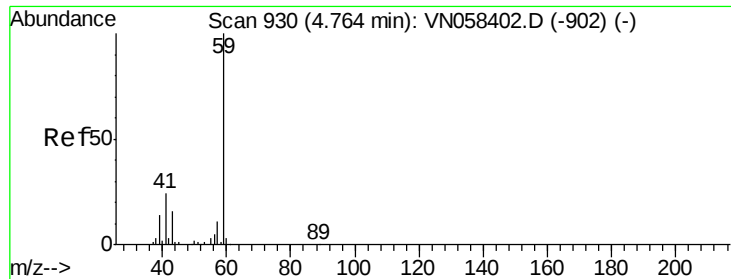
Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	142	Resp:	64785
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.2	55.8
141	14.0	11.3	16.9





#11

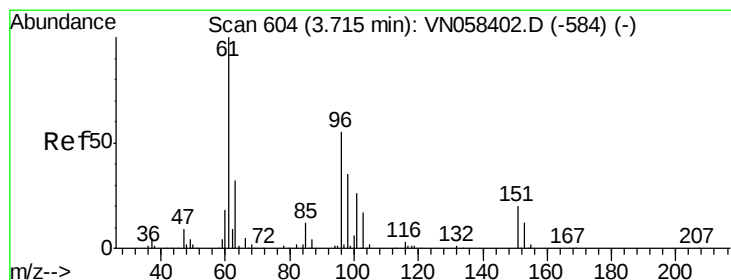
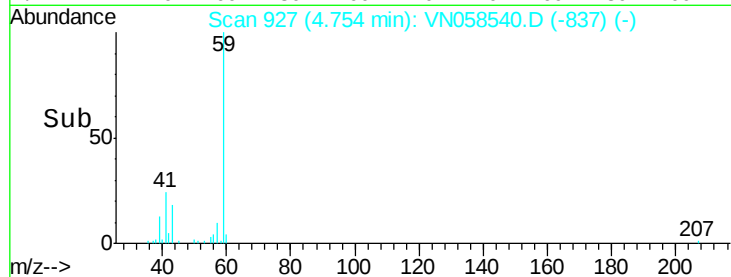
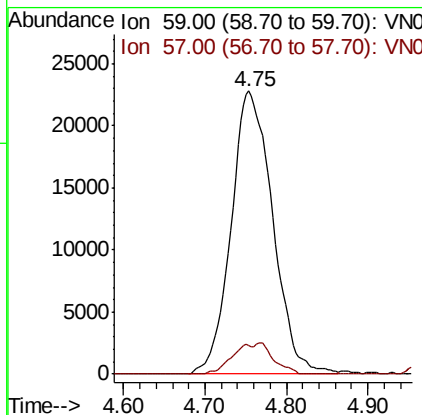
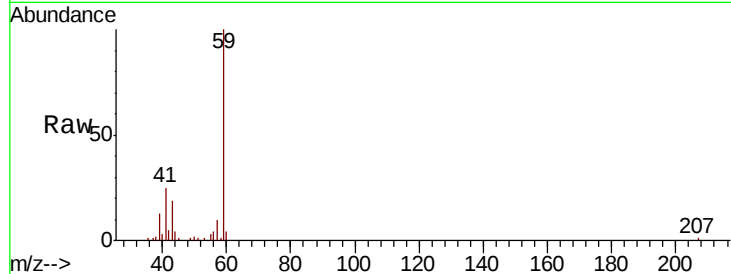
Tert butyl alcohol
 Concen: 127.815 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	9.0	13.4#

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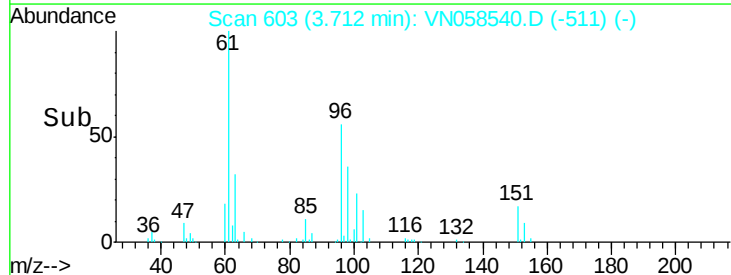
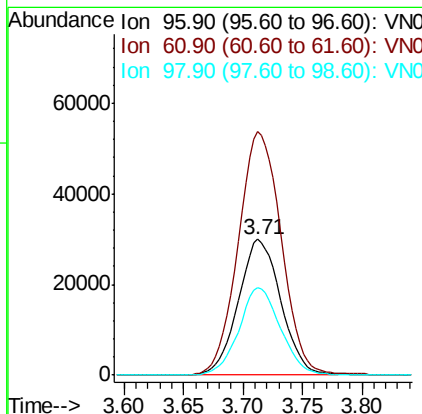
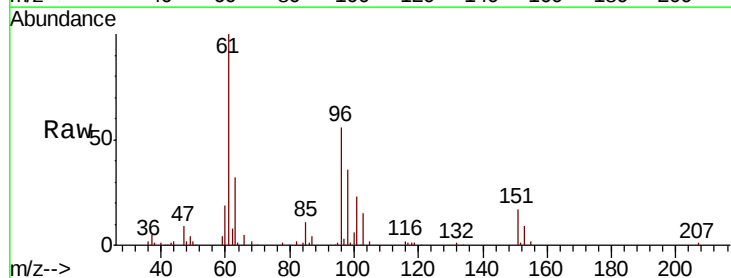
MMDadoda
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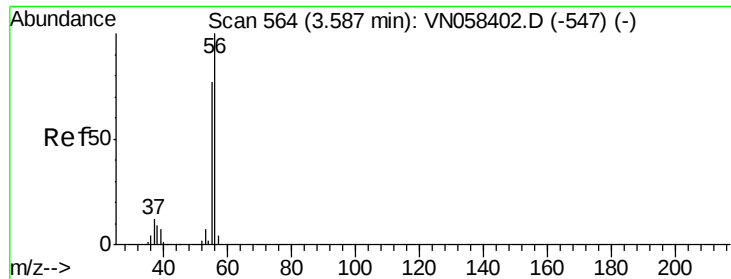


#12

1,1-Dichloroethene
 Concen: 20.275 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	146.7	220.1
98	63.9	51.3	76.9





#13

Acrolein

Concen: 107.824 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 56 Resp: 21616

Ion Ratio Lower Upper

56 100

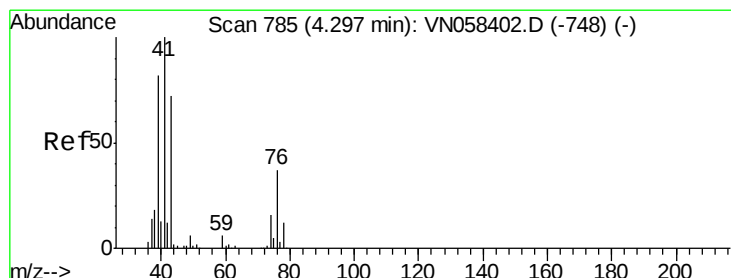
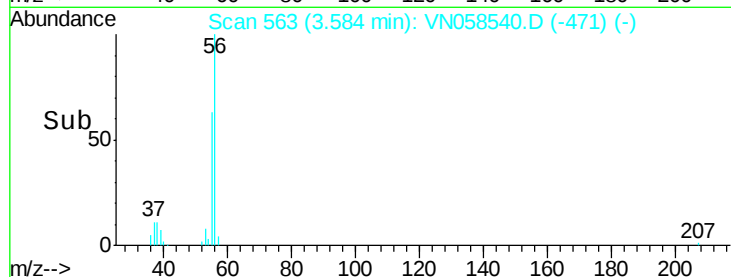
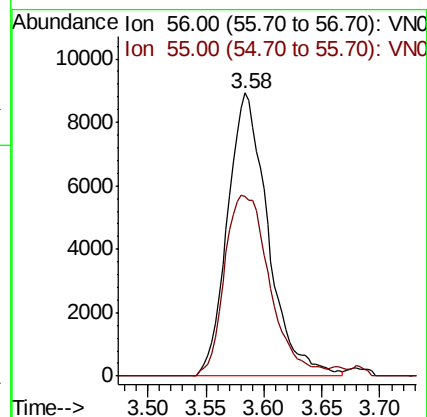
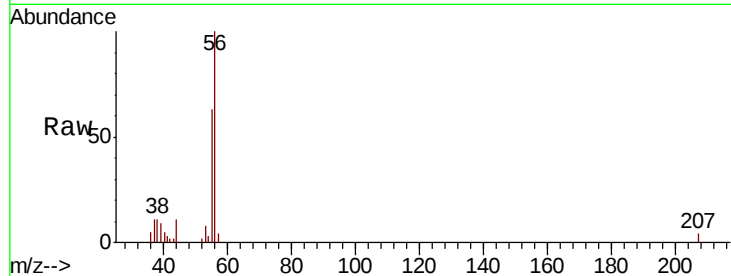
55 71.5 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 21.062 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

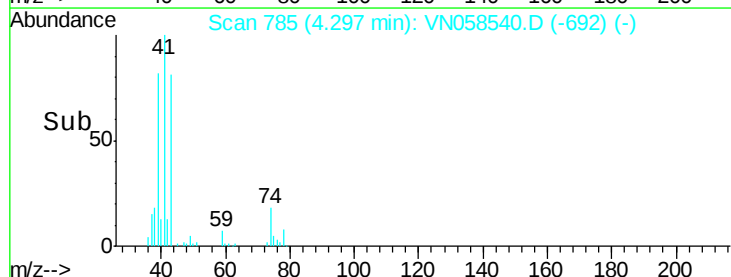
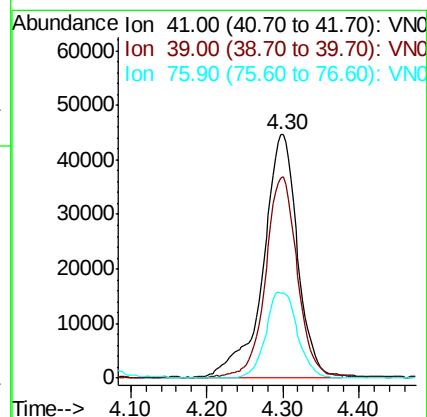
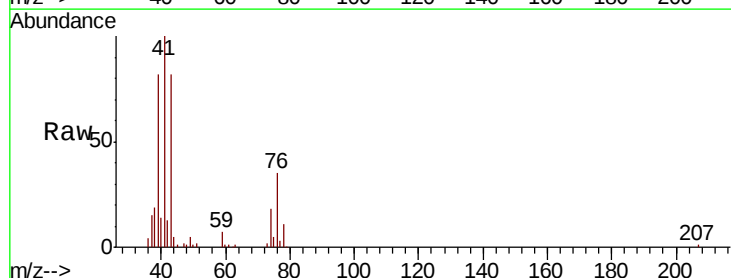
Tgt Ion: 41 Resp: 140383

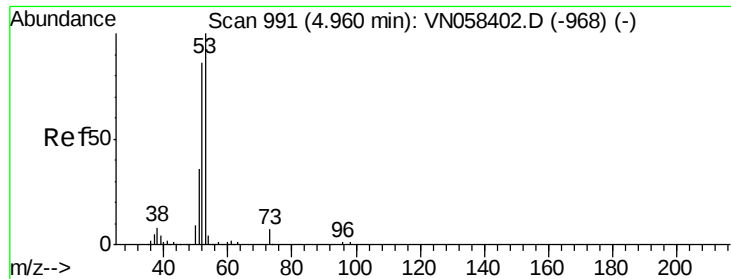
Ion Ratio Lower Upper

41 100

39 76.6 62.3 93.5

76 32.3 26.9 40.3





#15

Acrylonitrile

Concen: 114.217 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

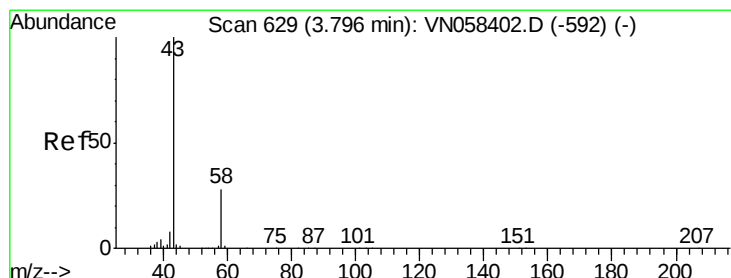
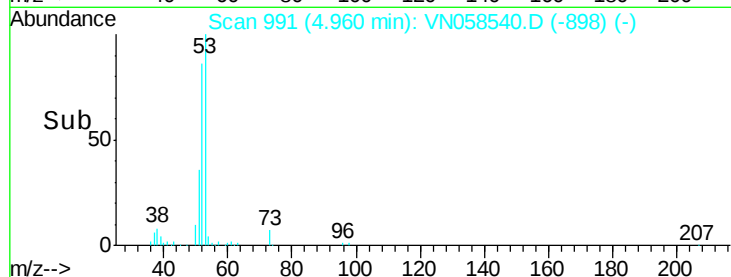
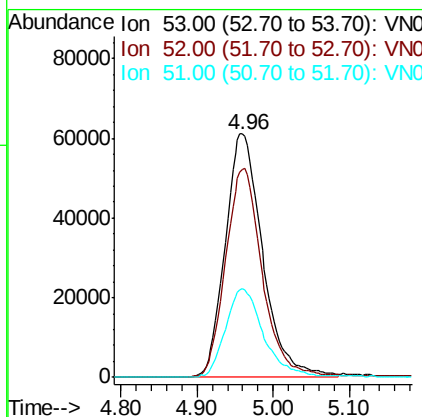
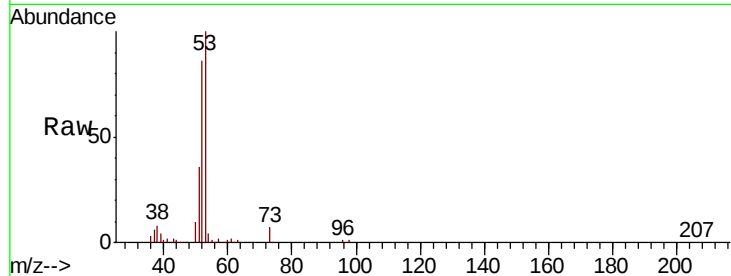
ClientSampleId :

VN1004WBSD01

Tot Ion:	53	Resp:	209814
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.6	100.0
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 96.206 ug/l

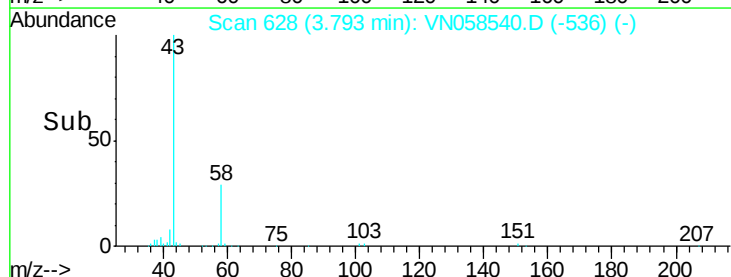
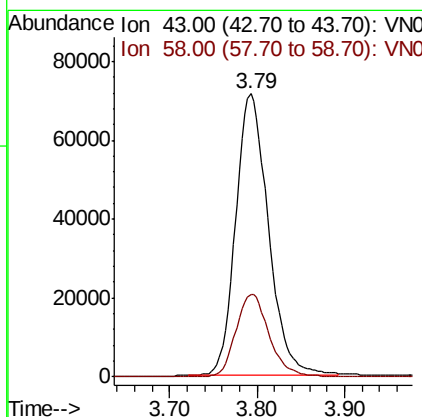
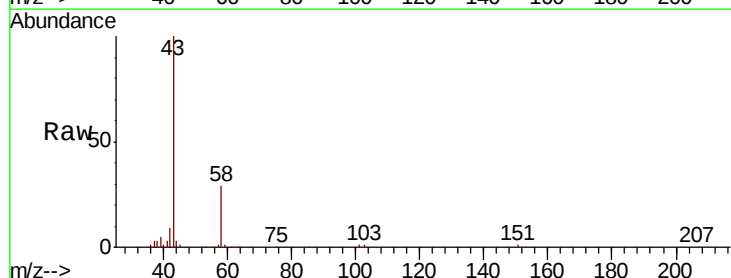
RT: 3.79 min Scan# 628

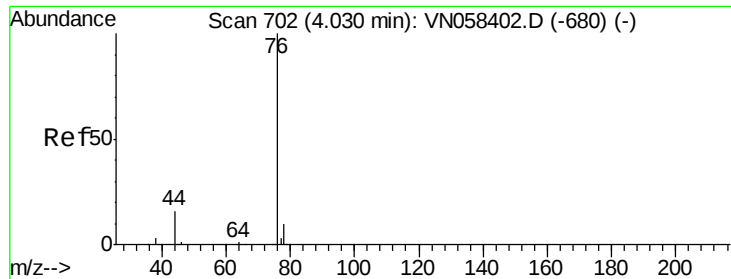
Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	43	Resp:	186073
Ion Ratio	Lower	Upper	
43	100		
58	29.2	22.4	33.6





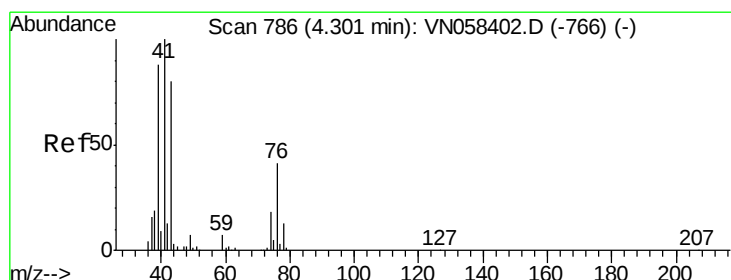
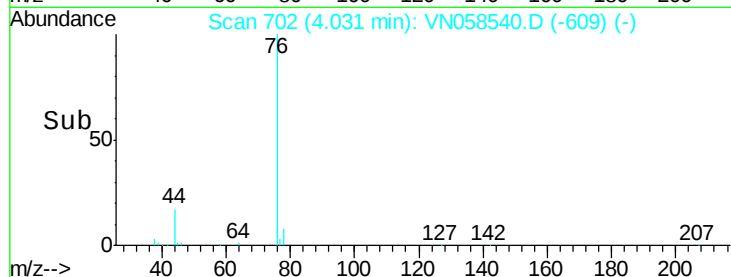
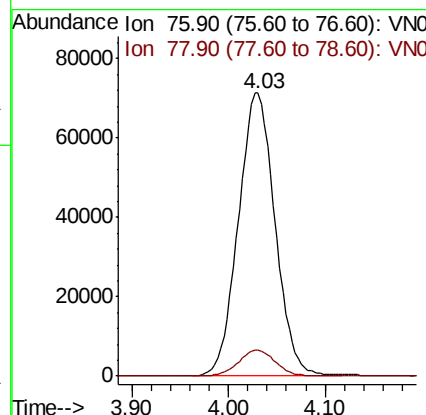
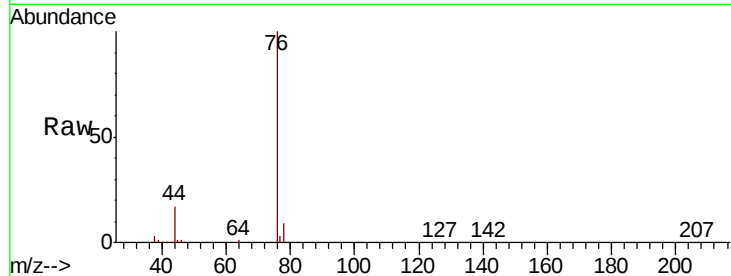
#17
Carbon Disulfide
Concen: 19.505 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

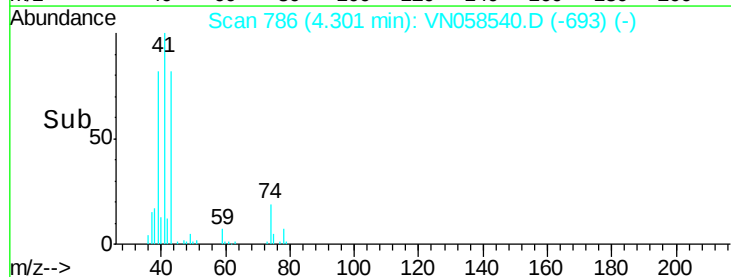
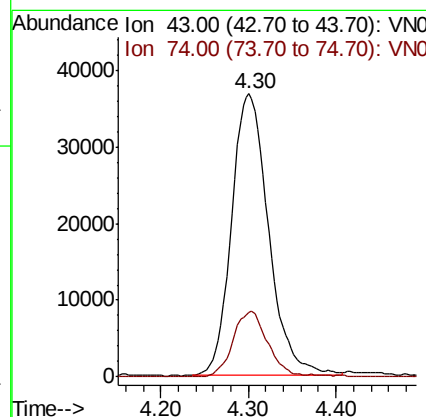
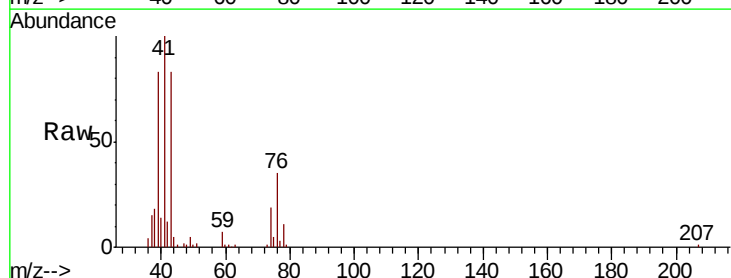
Manual Integrations
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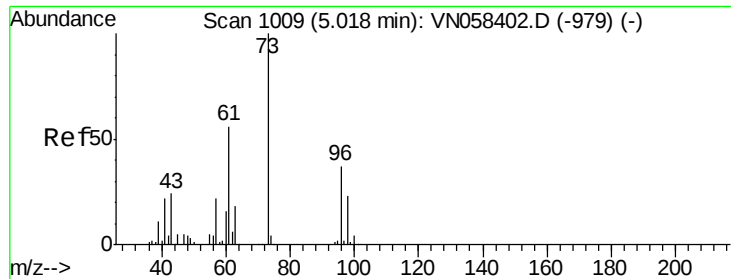
MMDadoda
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#18
Methyl Acetate
Concen: 22.241 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.0	27.0





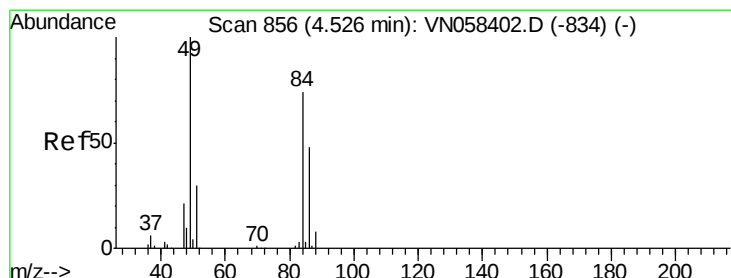
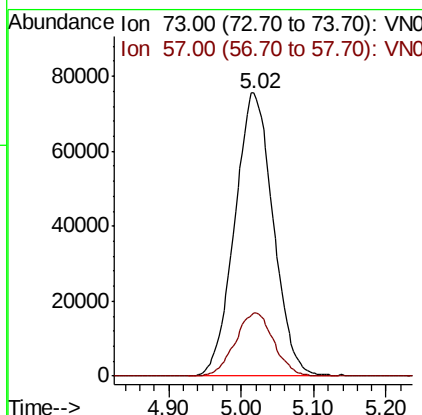
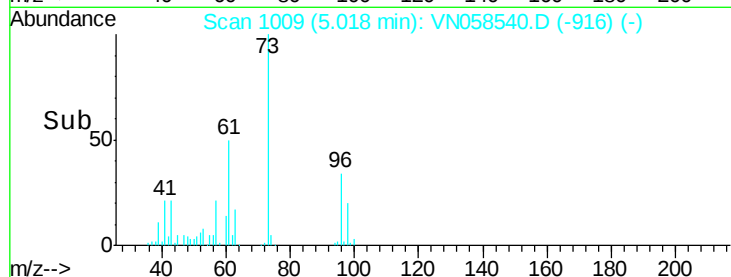
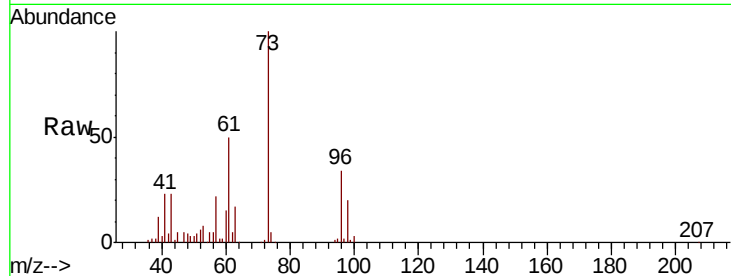
#19
Methvl tert-butvl Ether
Concen: 21.589 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 73 Resp: 278995
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4

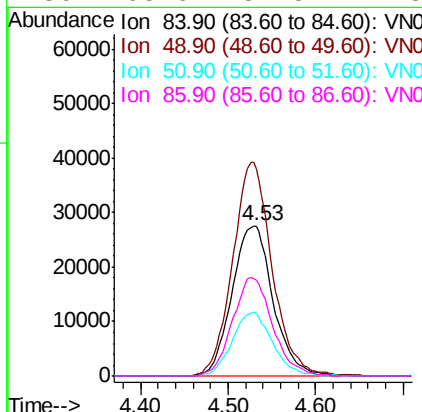
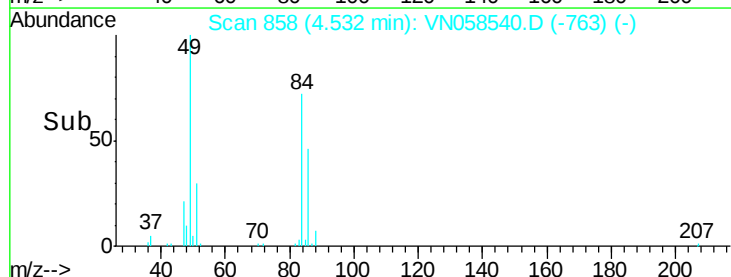
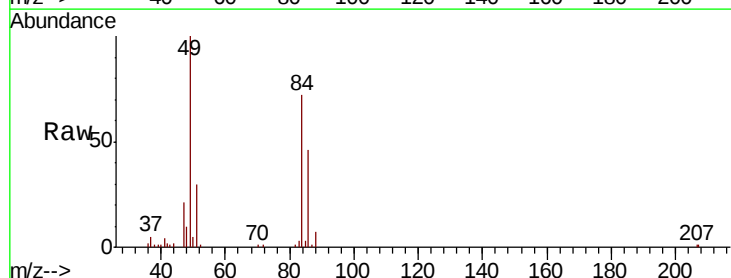
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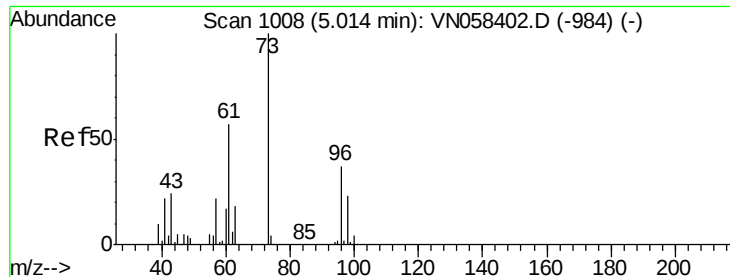
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#20
Methylene Chloride
Concen: 20.106 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 84 Resp: 89740
Ion Ratio Lower Upper
84 100
49 138.3 107.9 161.9
51 41.7 32.8 49.2
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 96 Resp: 80371

Ion Ratio Lower Upper

96 100

61 149.8 121.9 182.9

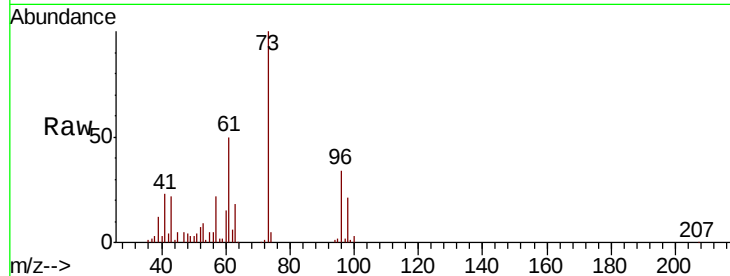
98 60.9 49.3 73.9

Manual Integrations

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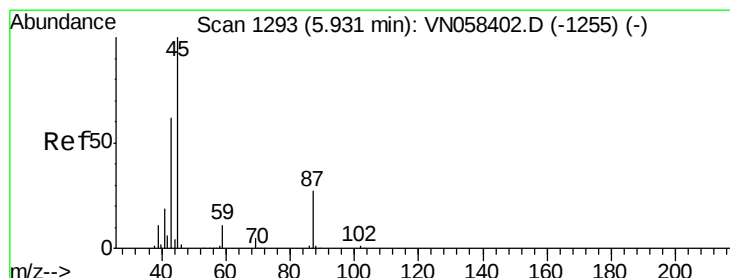
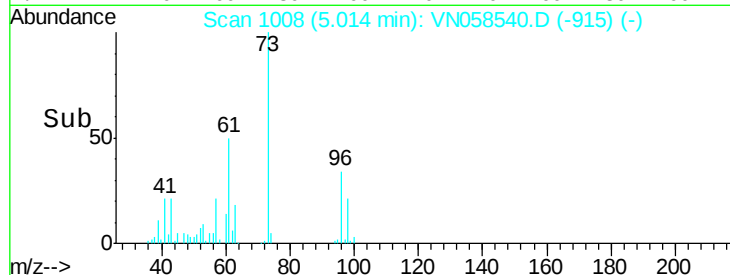
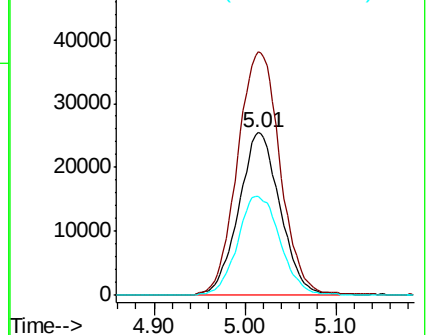


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.054 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion: 45 Resp: 301986

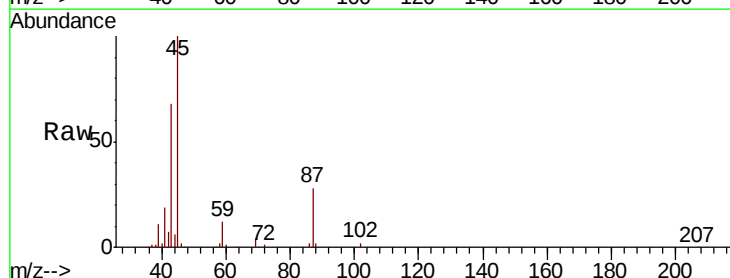
Ion Ratio Lower Upper

45 100

43 66.0 49.7 74.5

87 27.4 21.5 32.3

59 12.0 8.9 13.3



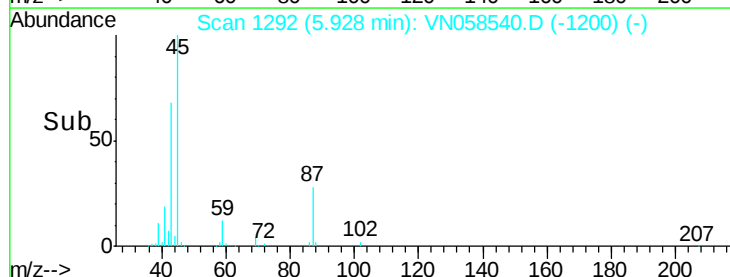
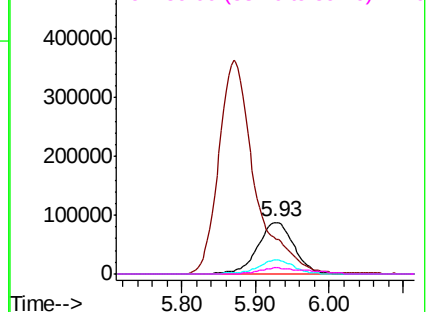
Abundance

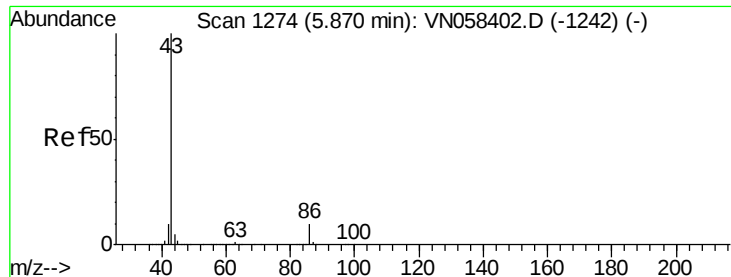
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 114.204 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 43 Resp: 1235112

Ion Ratio Lower Upper

43 100

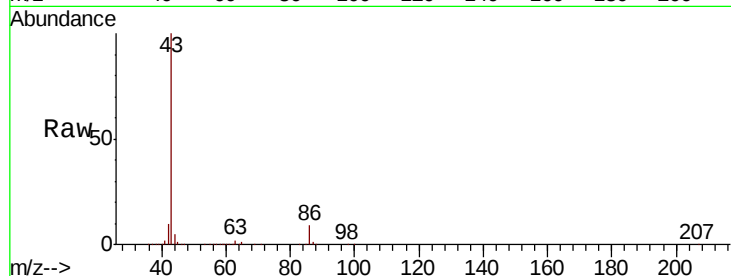
86 9.1 7.7 11.5

Manual Integrations

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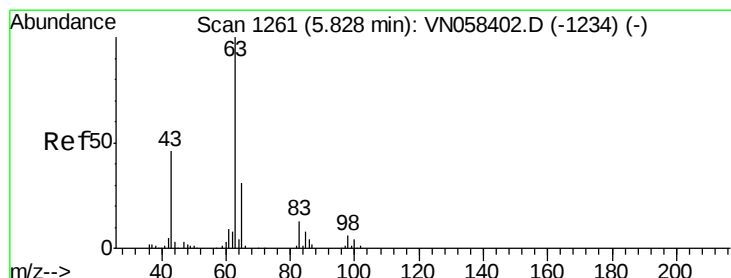
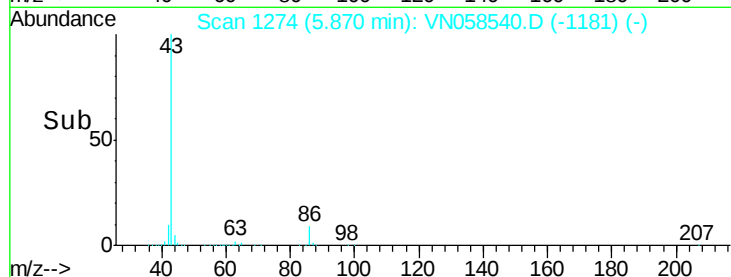
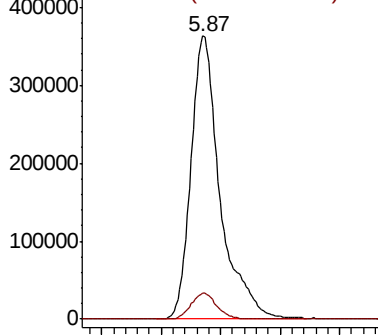
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 21.560 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

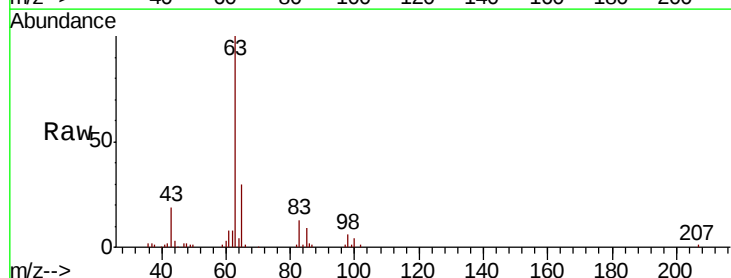
Tgt Ion: 63 Resp: 174039

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

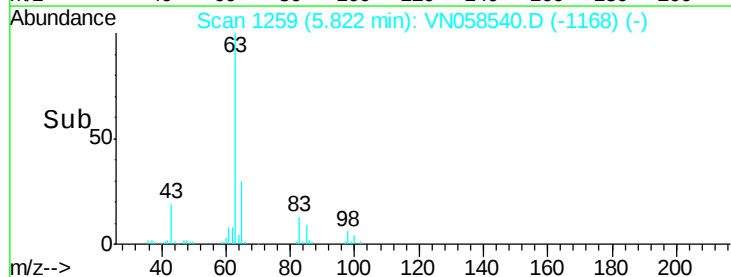
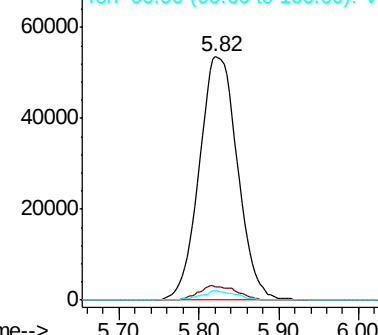
100 4.0 2.0 5.8

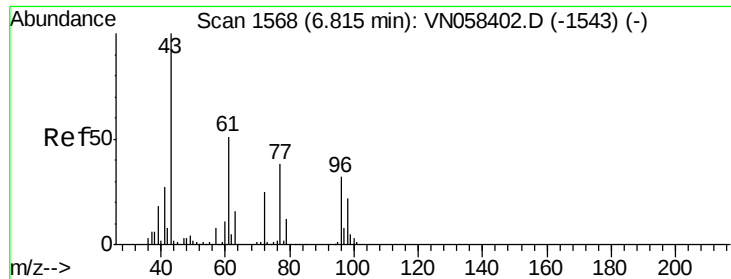


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





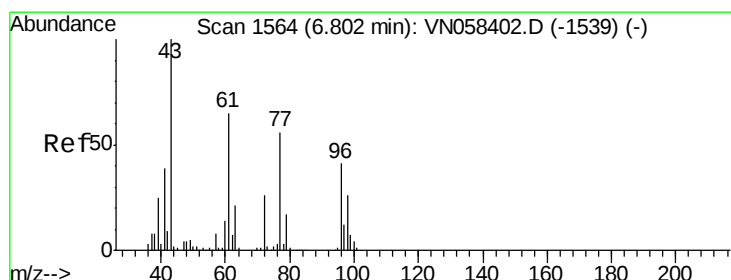
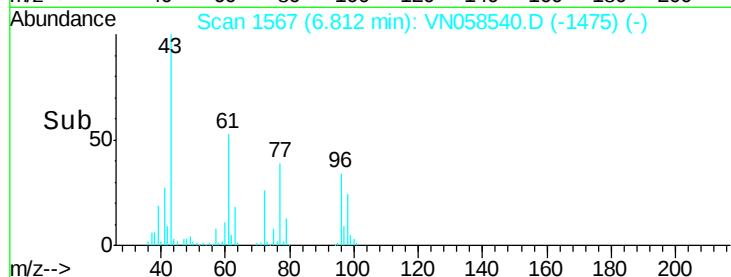
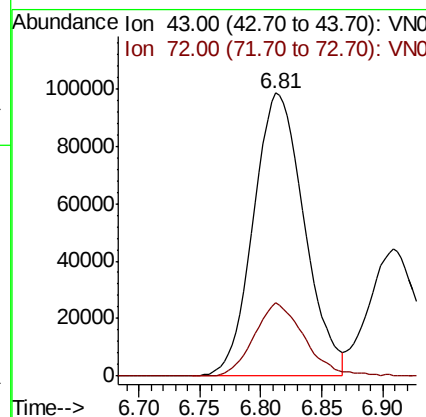
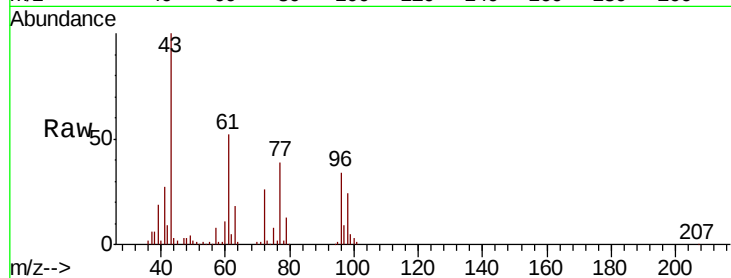
#25
2-Butanone
Concen: 106.608 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampled :
VN1004WBSD01

Tot Ion: 43 Resp: 283095
Ion Ratio Lower Upper
43 100
72 25.9 20.2 30.4

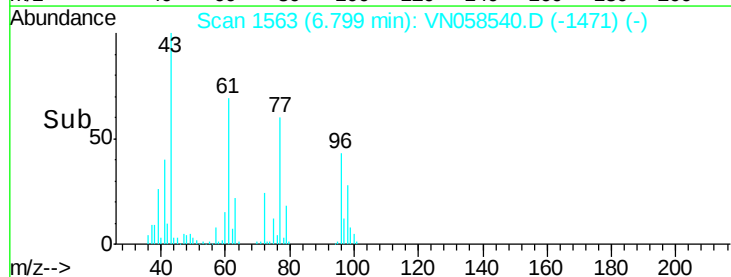
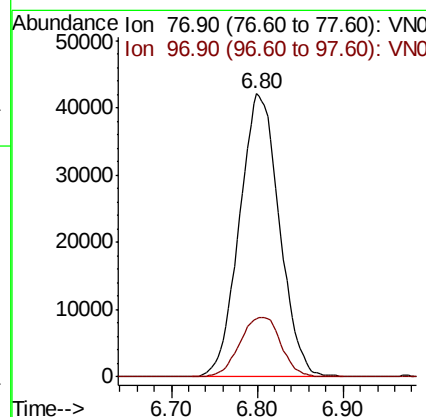
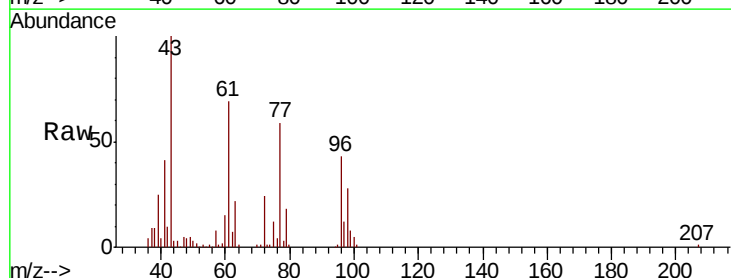
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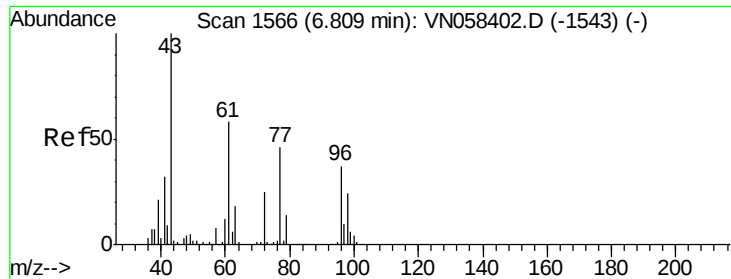
MMDadoda
10/7/2019 12:08:47 PM



#26
2,2-Dichloropropane
Concen: 20.450 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 77 Resp: 135713
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.880 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

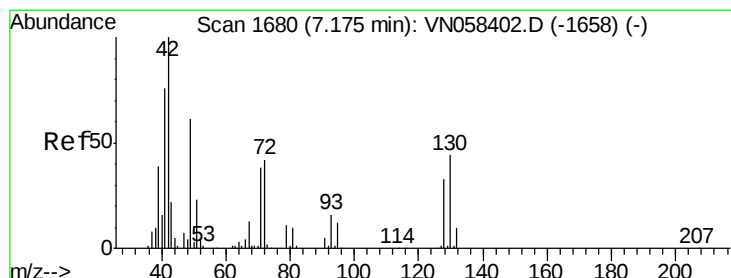
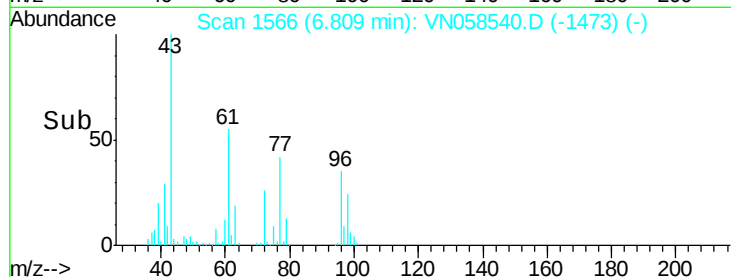
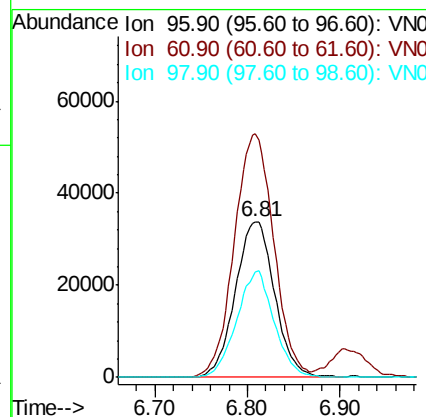
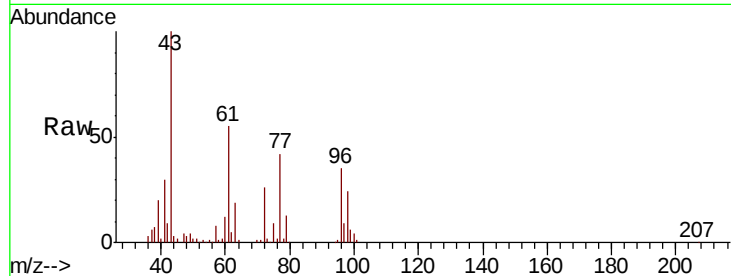
ClientSampled :

VN1004WBSD01

Tot Ion:	96	Resp:	99391
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	318.8
98	64.9	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 21.816 ug/l

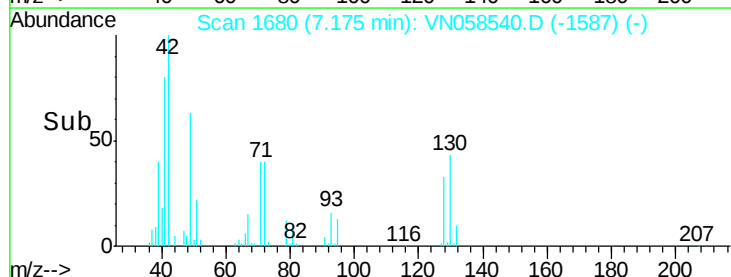
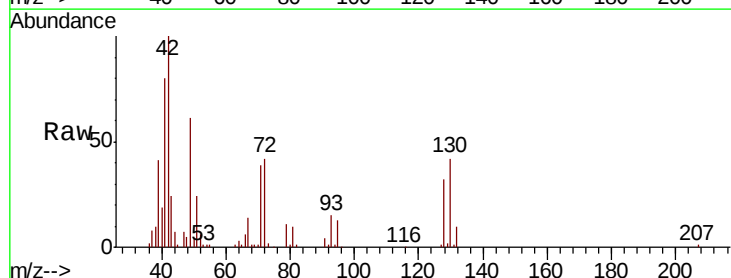
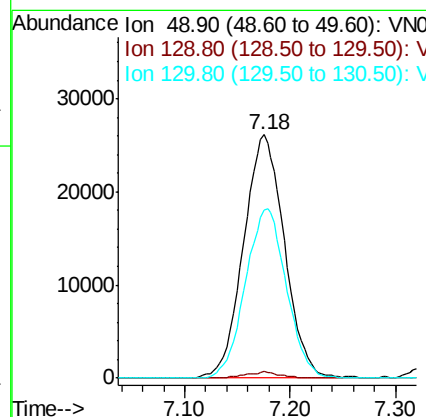
RT: 7.18 min Scan# 1680

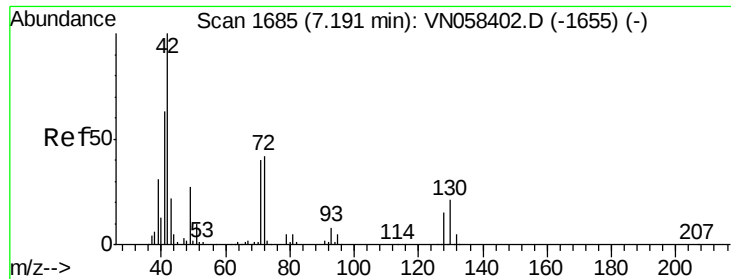
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	49	Resp:	70393
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	69.8	56.3	84.5





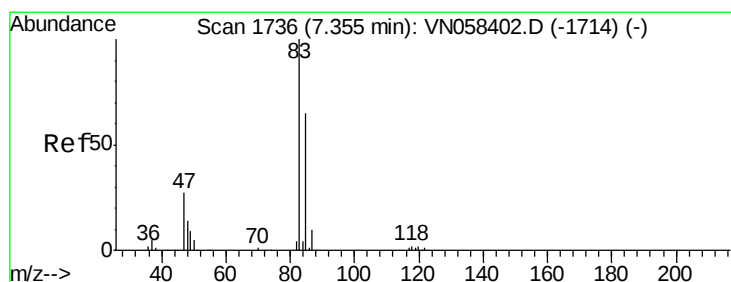
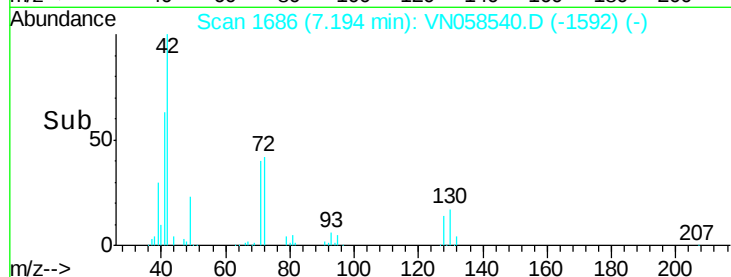
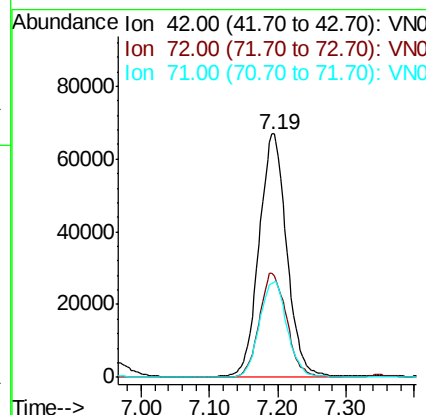
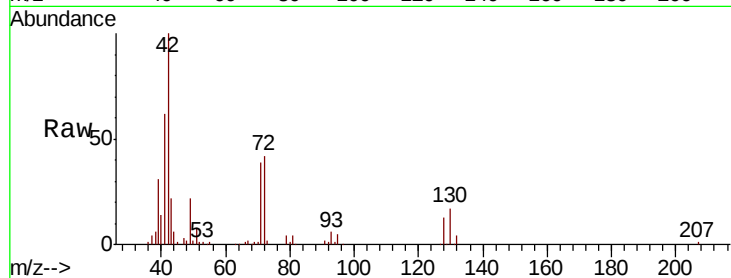
#29
Tetrahydrofuran
Concen: 112.649 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.8	47.6

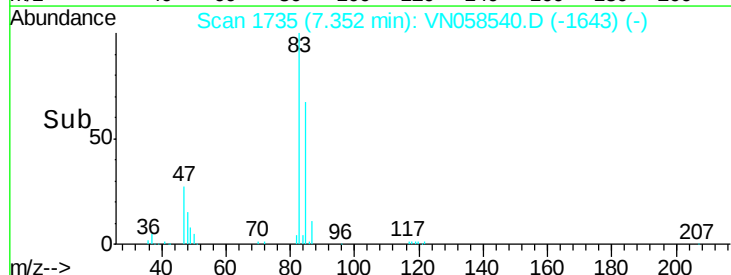
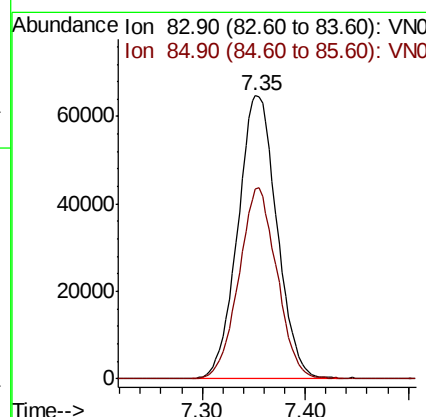
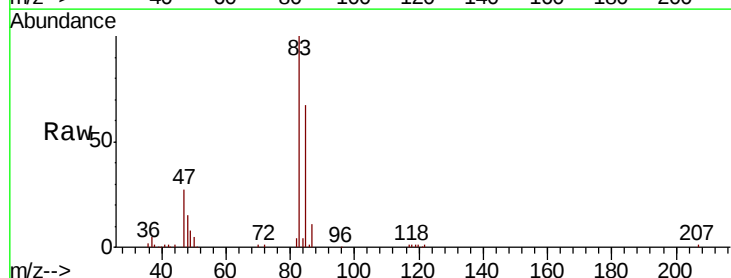
Manual Integrations
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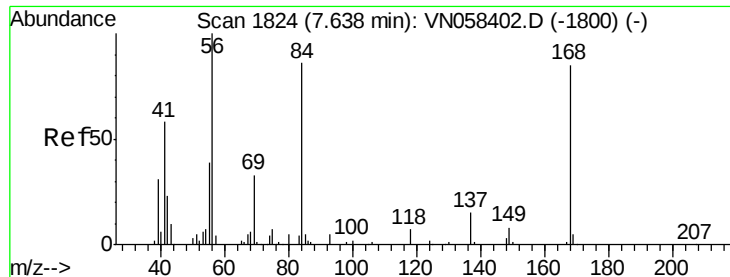
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#30
Chloroform
Concen: 20.872 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0





#31

Cyclohexane

Concen: 19.605 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

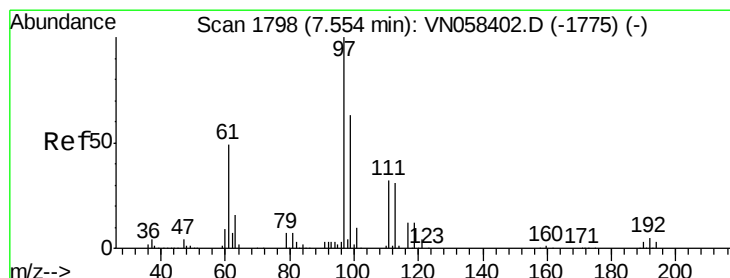
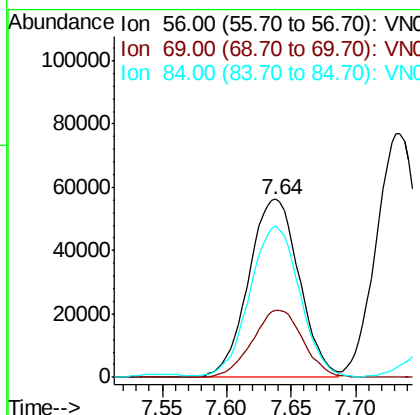
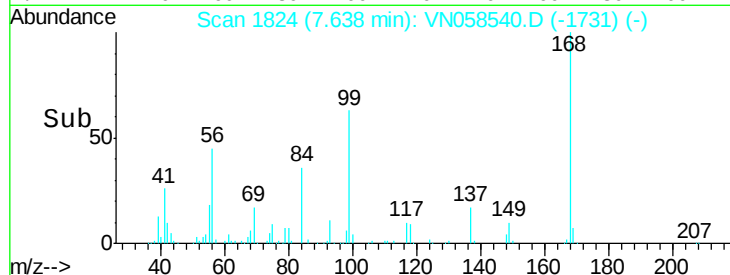
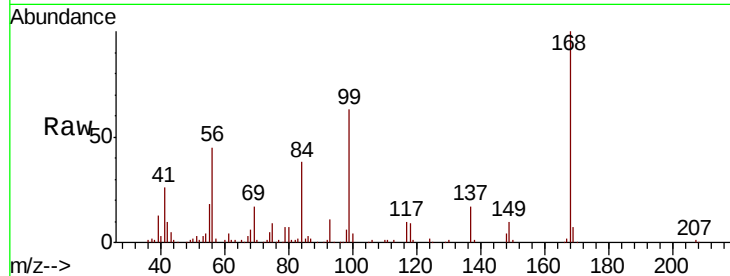
ClientSampleId :

VN1004WBSD01

Tot Ion:	56	Resp:	153939
Ion Ratio	Lower	Upper	
56	100		
69	37.6	26.2	39.4
84	83.6	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.554 ug/l

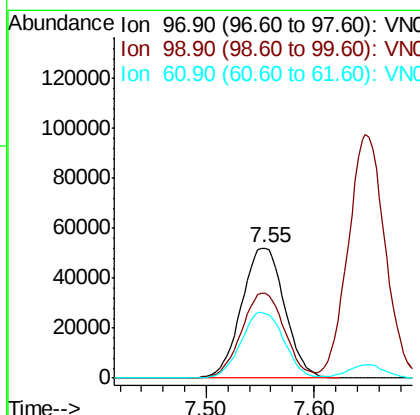
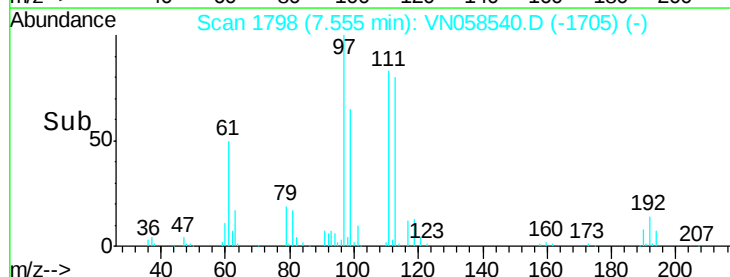
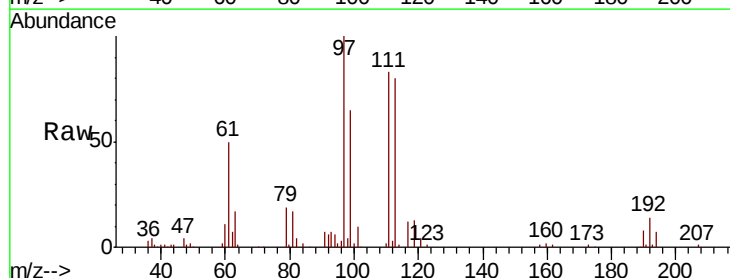
RT: 7.55 min Scan# 1798

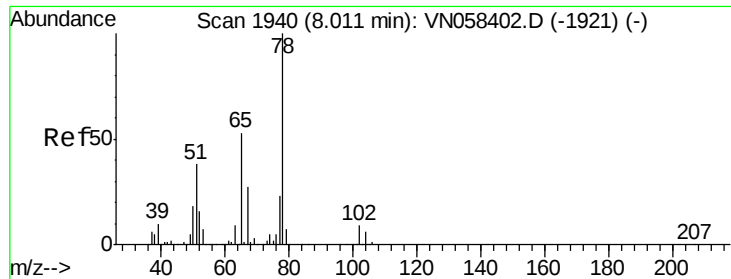
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	97	Resp:	144783
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.1	76.7
61	50.2	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 49.202 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 65 Resp: 279157

Ion Ratio Lower Upper

65 100

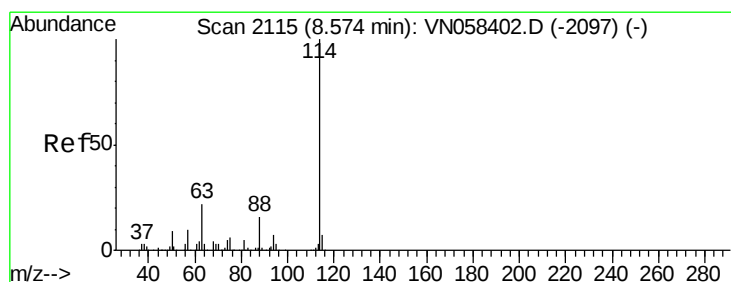
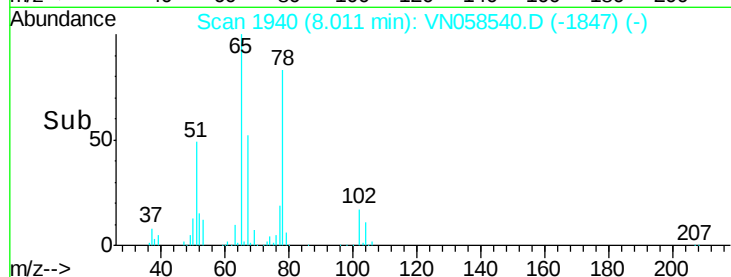
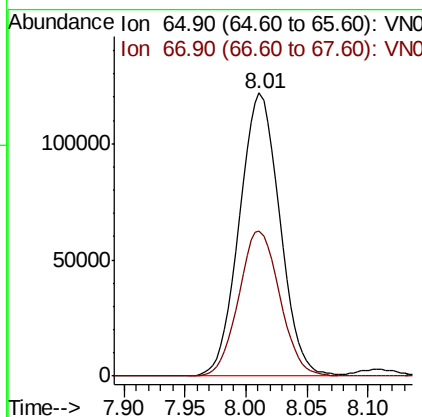
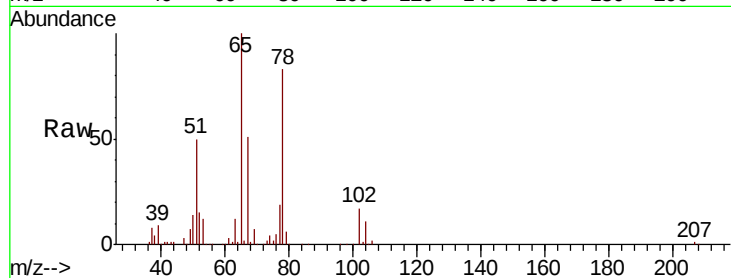
67 52.3 0.0 102.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

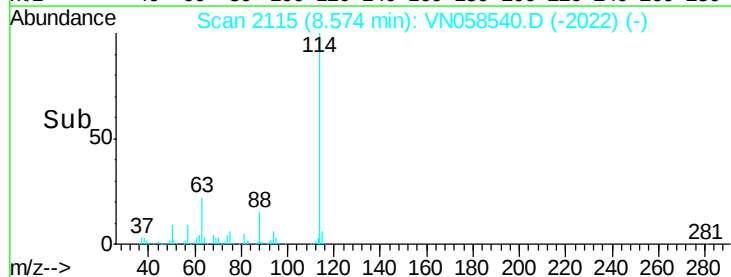
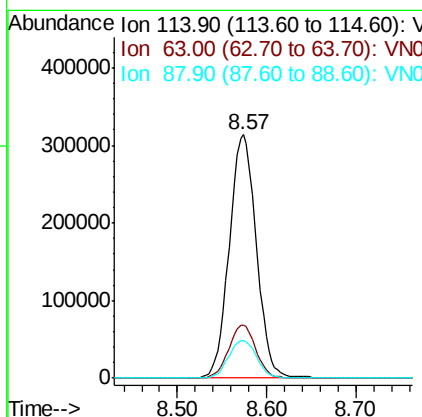
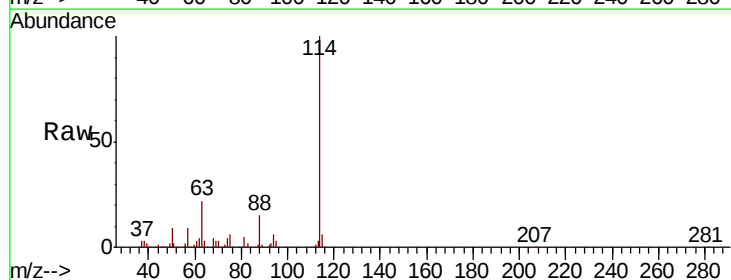
Tgt Ion: 114 Resp: 659861

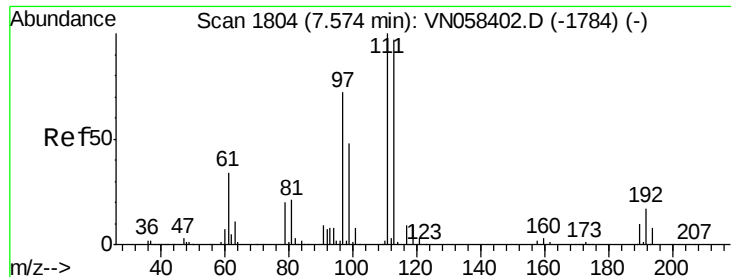
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 15.3 0.0 32.2





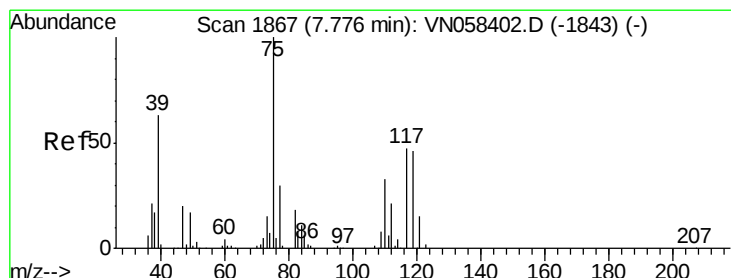
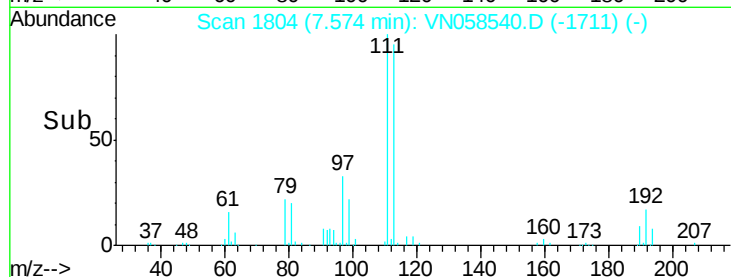
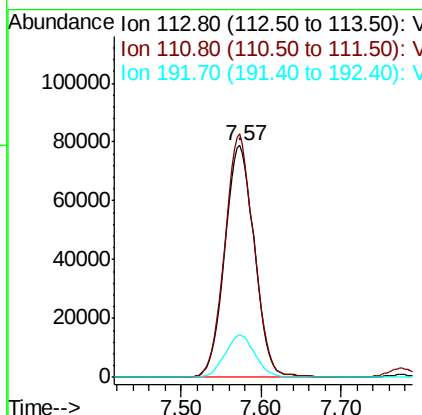
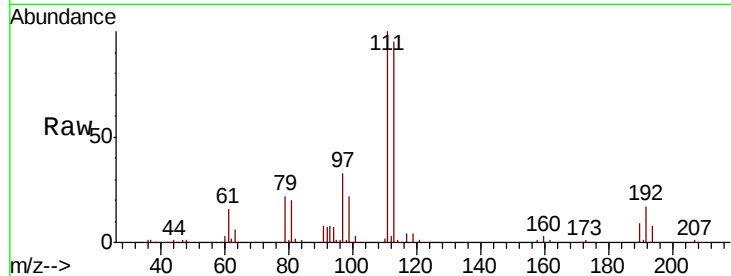
#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198775		
111	103.3	83.4	125.2	
192	18.4	14.9	22.3	

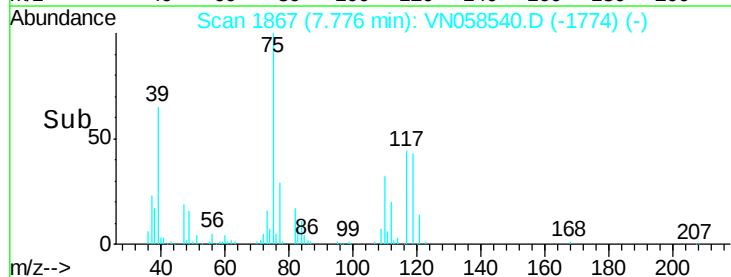
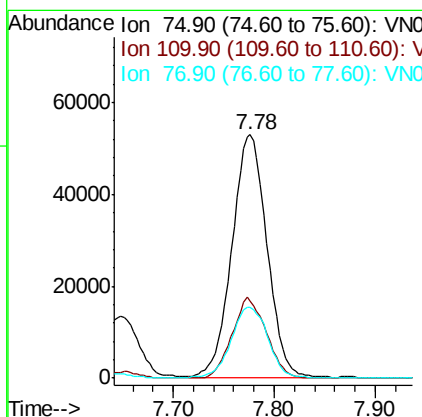
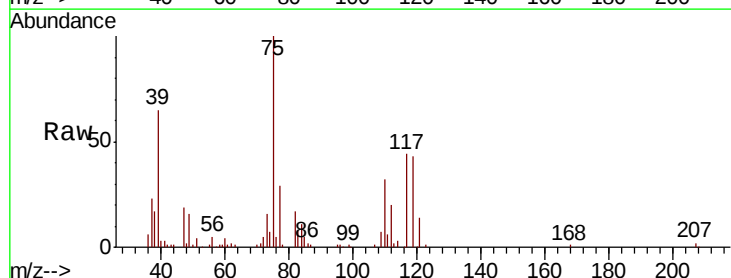
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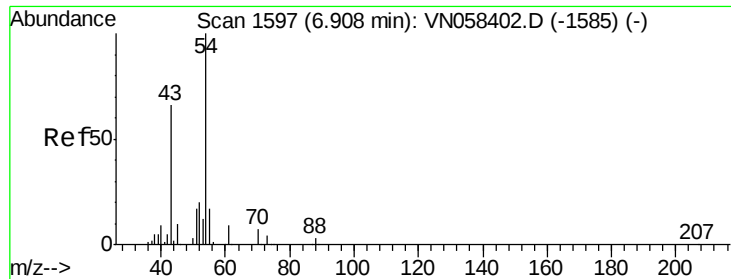
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#36
1,1-Dichloropropene
Concen: 20.210 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127514		
110	32.3	16.4	49.2	
77	30.6	24.3	36.5	





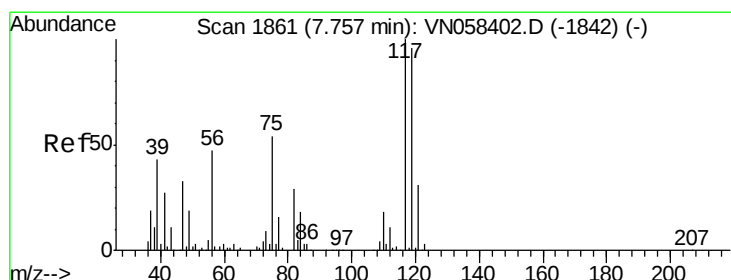
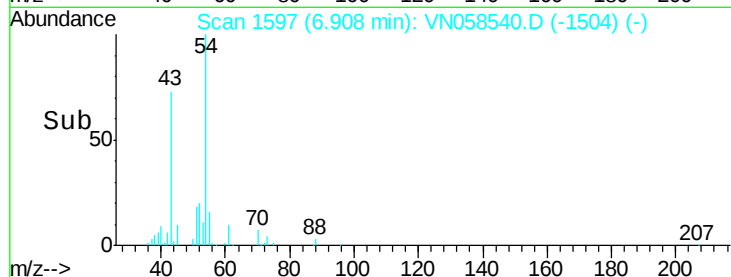
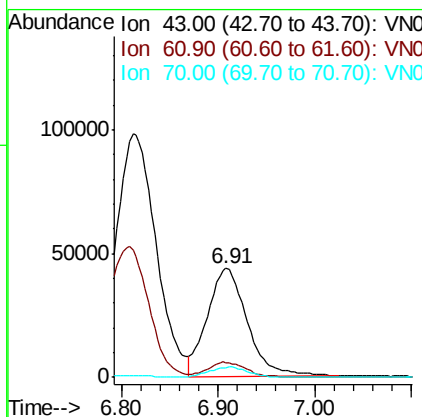
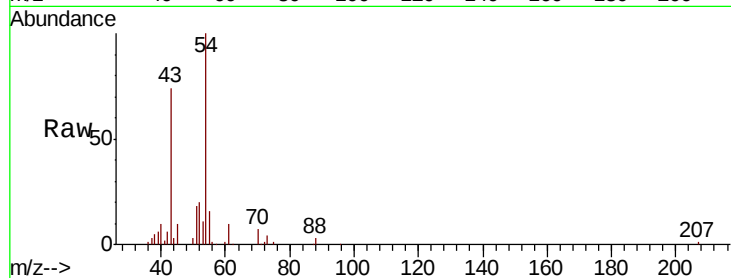
#37
Ethyl Acetate
Concen: 23.431 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.5	7.8	11.6

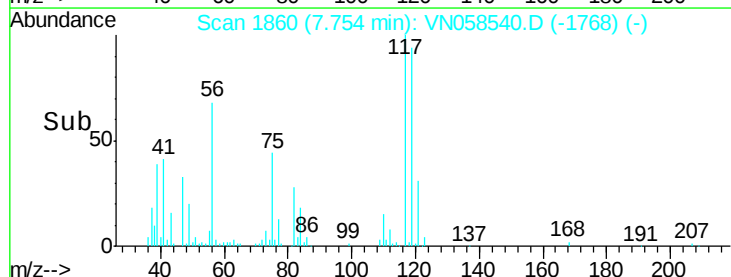
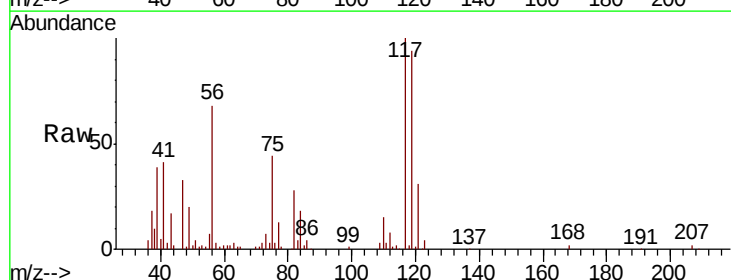
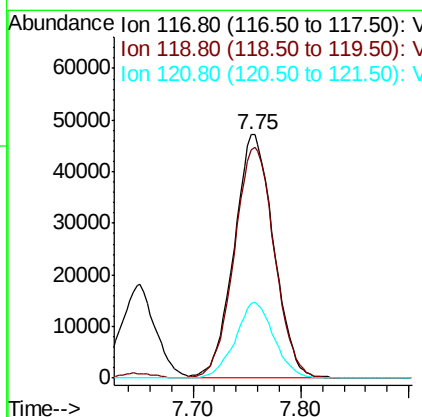
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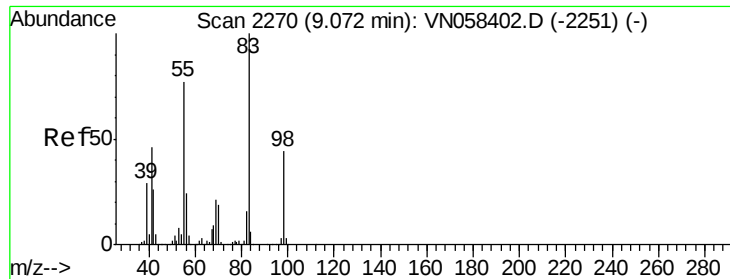
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#38
Carbon Tetrachloride
Concen: 21.169 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.6	115.0
121	30.5	24.7	37.1





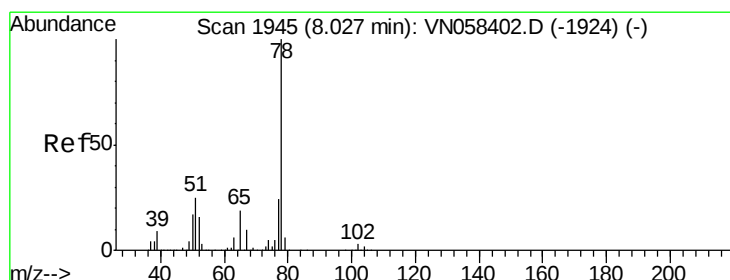
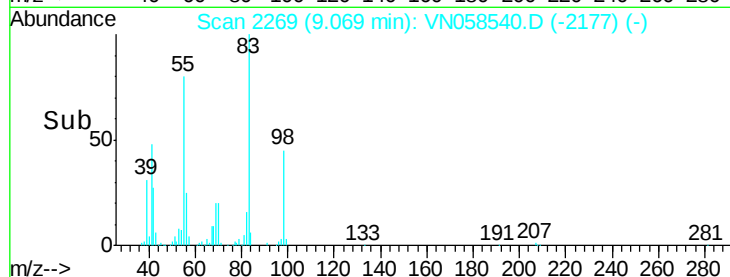
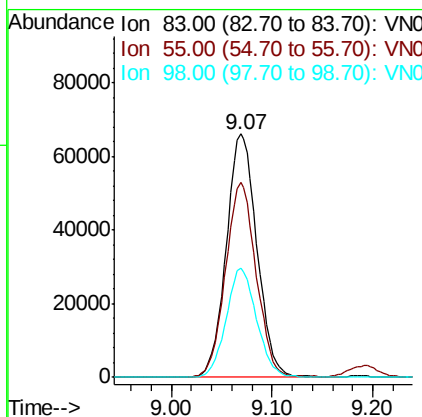
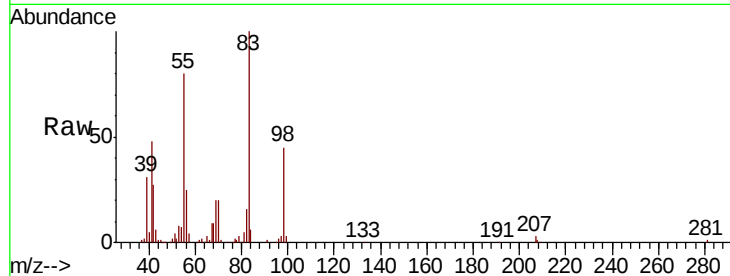
#39
Methvlcvclohexane
Concen: 19.012 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.8	92.6
98	44.8	35.4	53.0

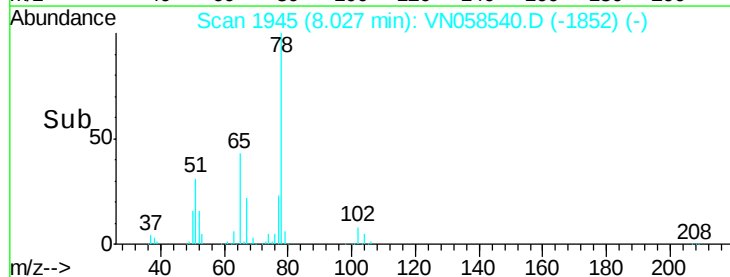
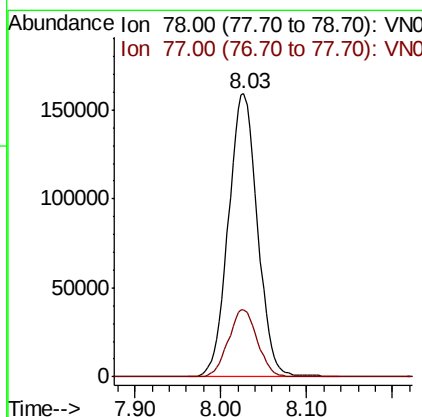
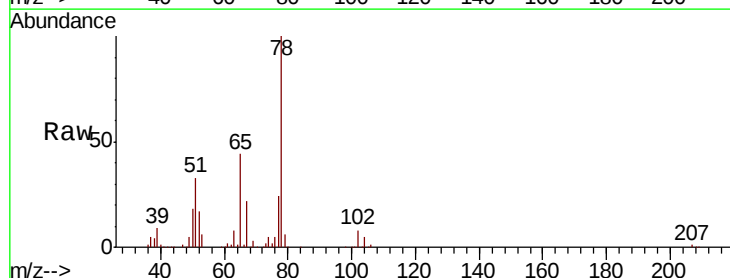
Manual Integrations
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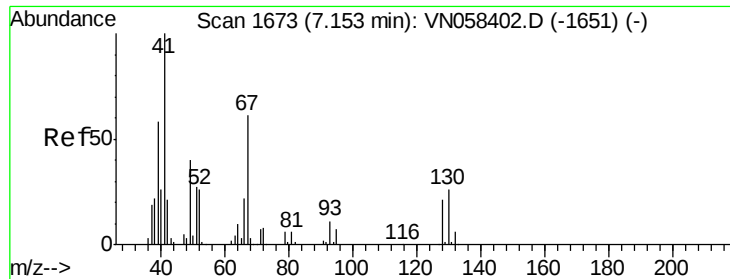
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#40
Benzene
Concen: 20.574 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





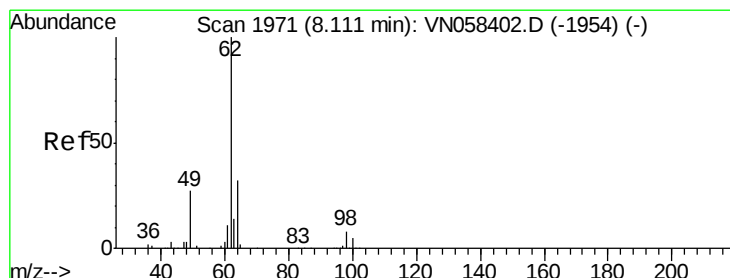
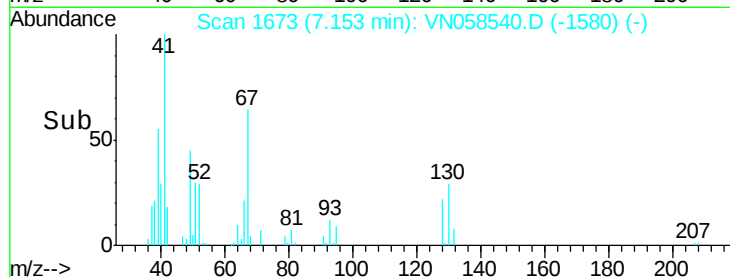
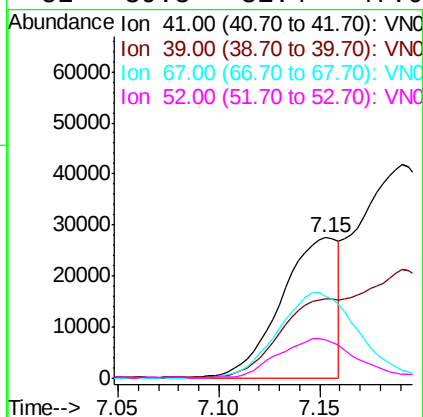
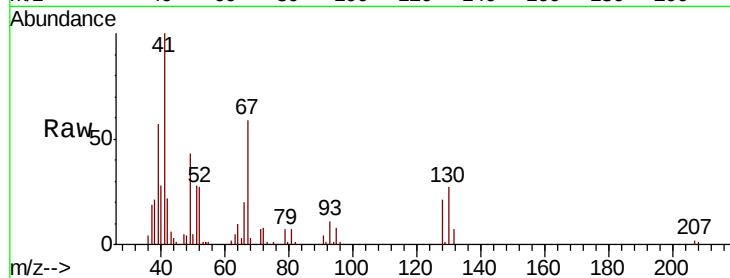
#41
Methacrylonitrile
Concen: 21.990 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.0	50.2	75.4
67	86.9	70.2	105.4
52	39.8	31.4	47.0

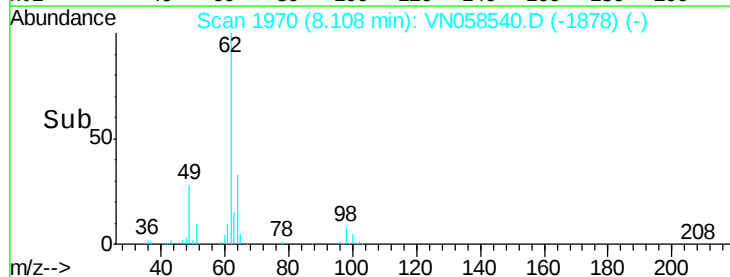
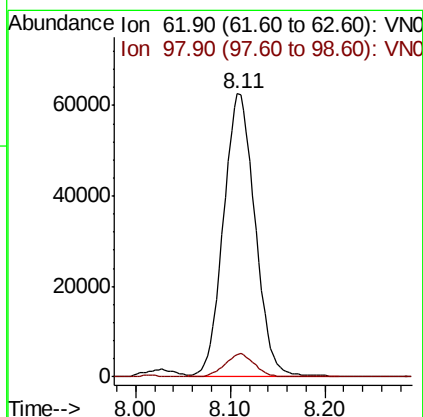
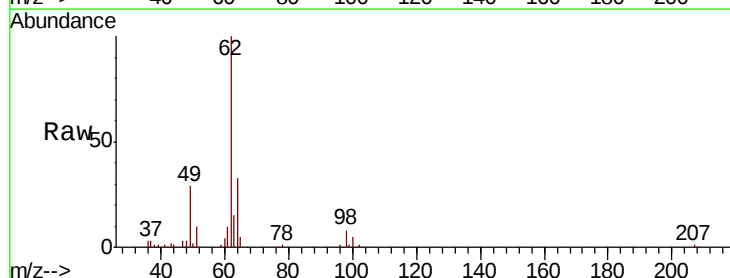
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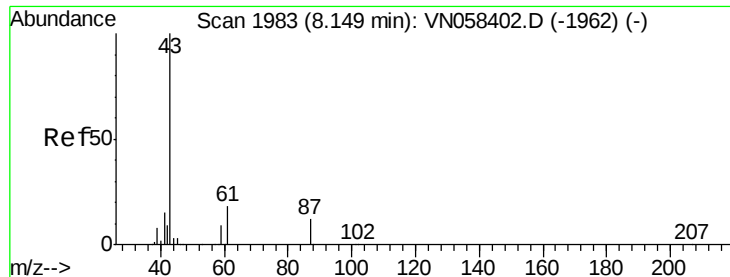
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#42
1,2-Dichloroethane
Concen: 20.524 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





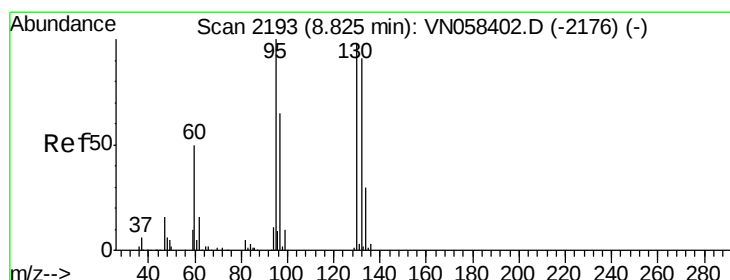
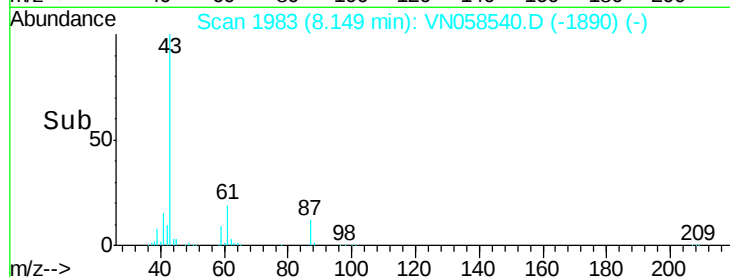
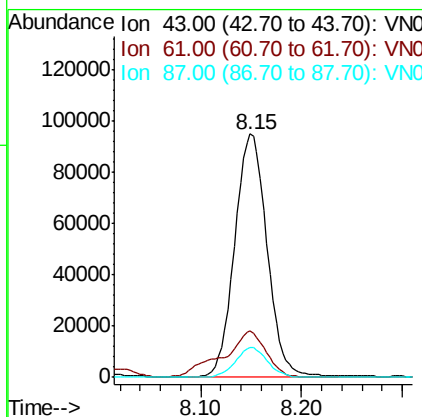
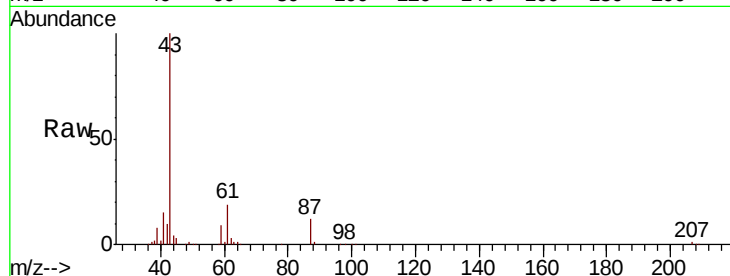
#43
Isopropyl Acetate
Concen: 21.075 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	14.8	22.2
87	12.0	9.7	14.5

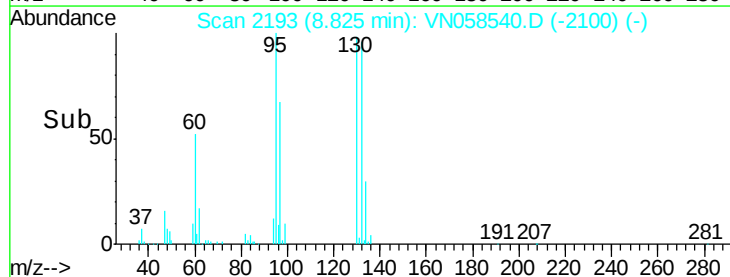
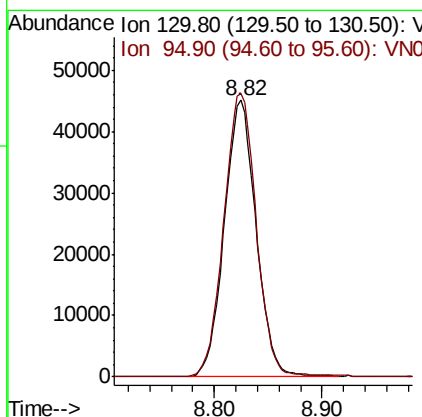
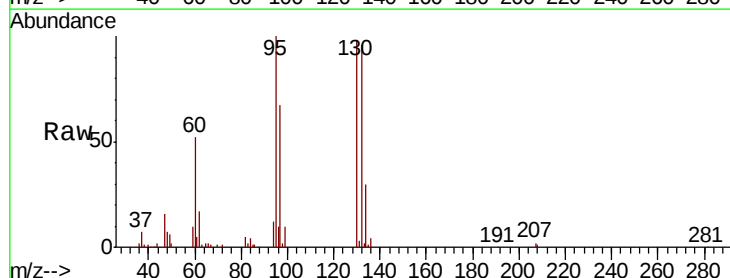
Manual Integrations
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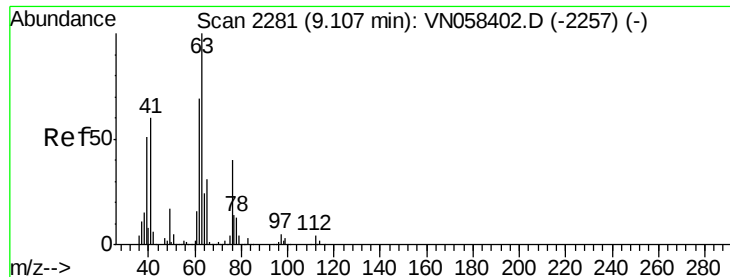
MMDadoda
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#44
Trichloroethene
Concen: 20.737 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	204.2





#45

1,2-Dichloropropane

Concen: 21.133 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 63 Resp: 102796

Ion Ratio Lower Upper

63 100

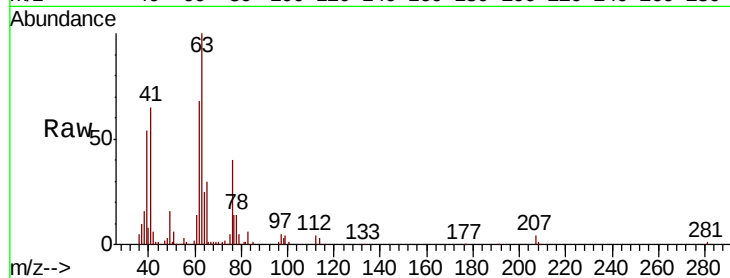
65 29.7 25.0 37.4

Manual Integrations

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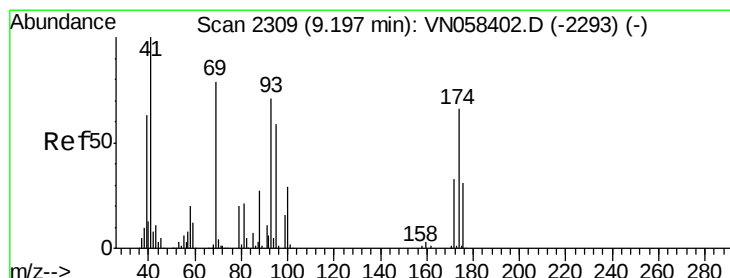
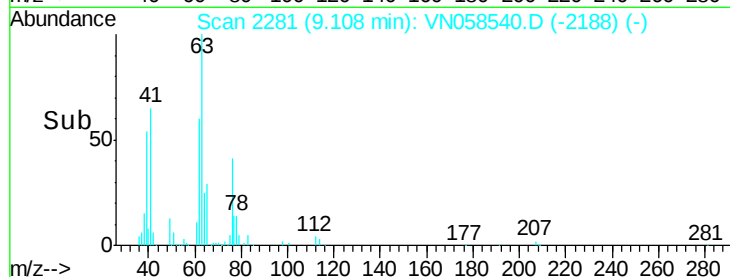
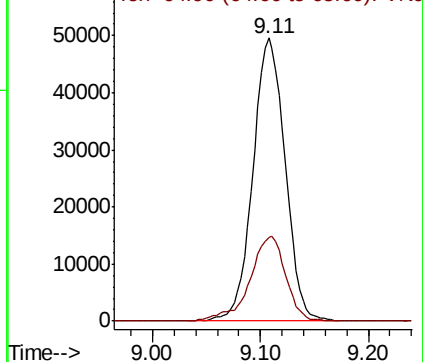
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.971 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

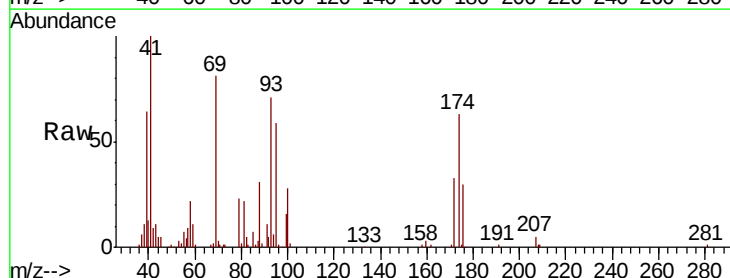
Tgt Ion: 93 Resp: 64598

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

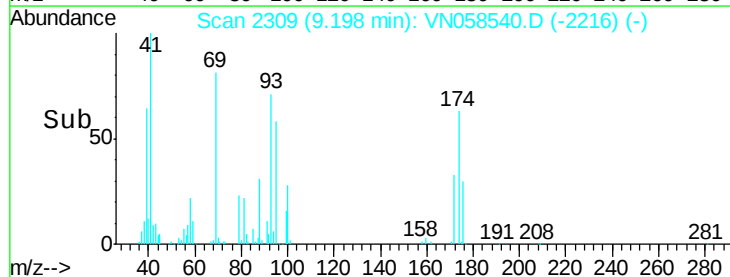
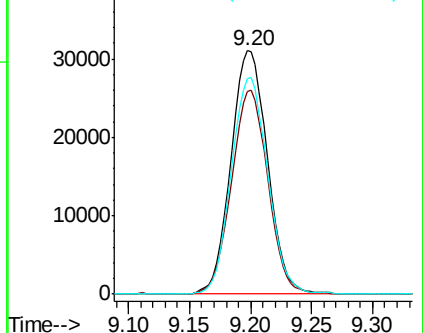
174 89.2 74.2 111.2

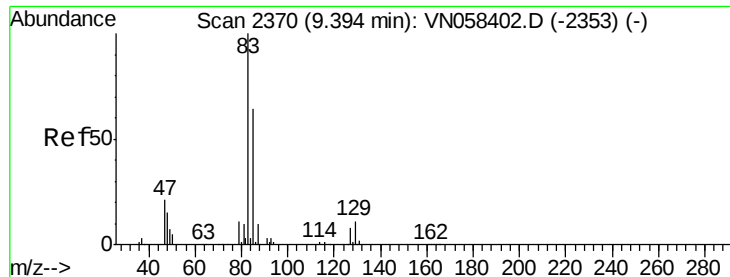


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 21.264 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

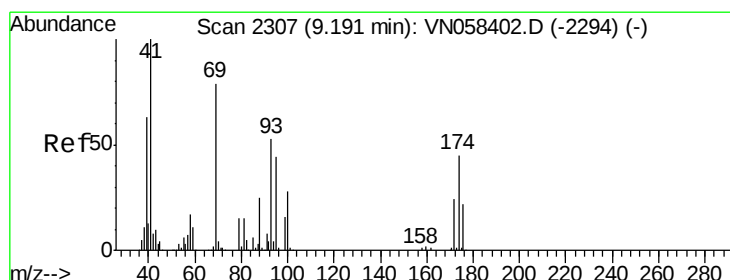
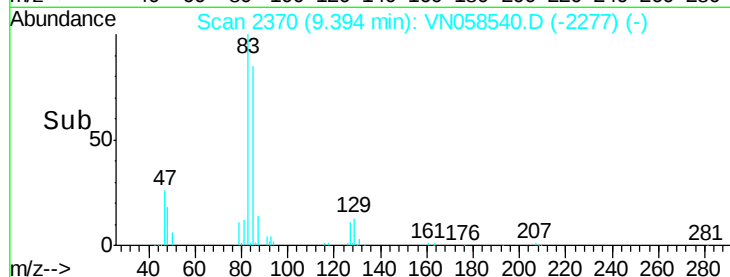
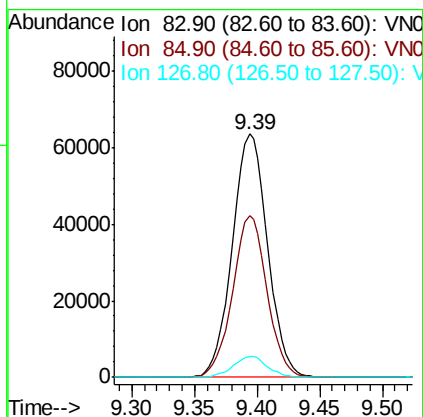
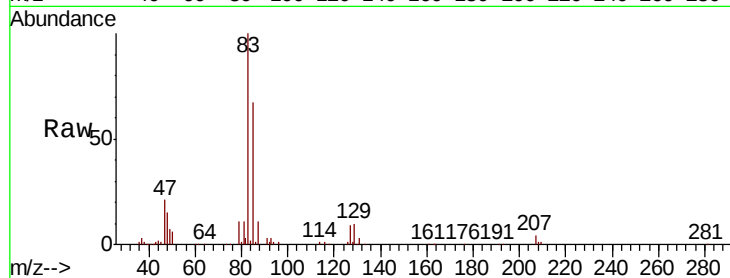
ClientSampleId :

VN1004WBSD01

Tot Ion:	83	Resp:	124105
Ion Ratio	Lower	Upper	
83	100		
85	66.7	51.2	76.8
127	8.7	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.391 ug/l

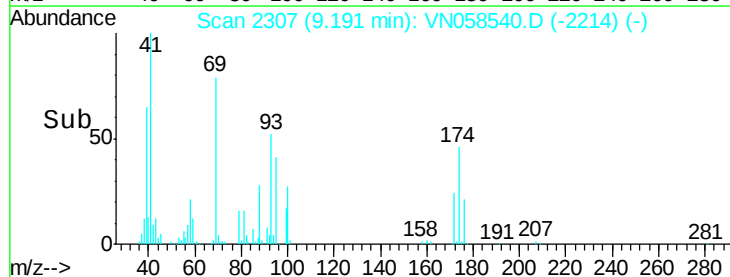
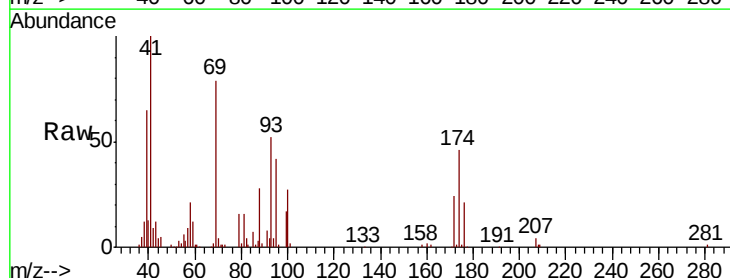
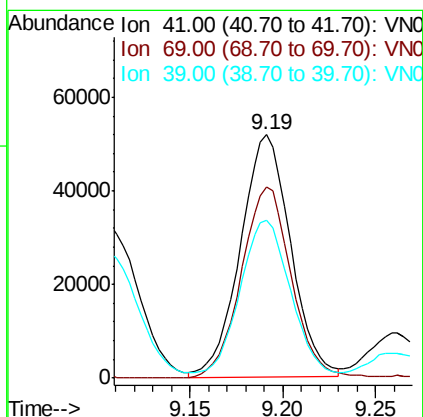
RT: 9.19 min Scan# 2307

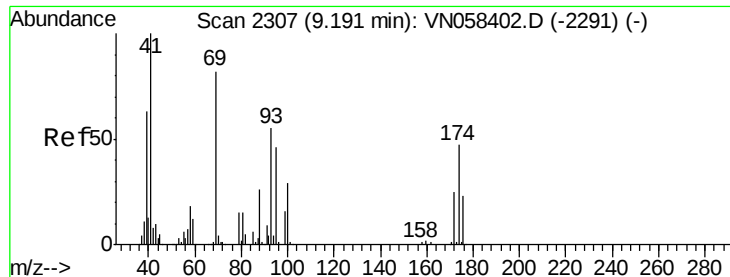
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	41	Resp:	97983
Ion Ratio	Lower	Upper	
41	100		
69	78.5	64.7	97.1
39	65.8	52.9	79.3





#49

1,4-Dioxane

Concen: 518.730 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 88 Resp: 31771

Ion Ratio Lower Upper

88 100

43 38.3 31.1 46.7

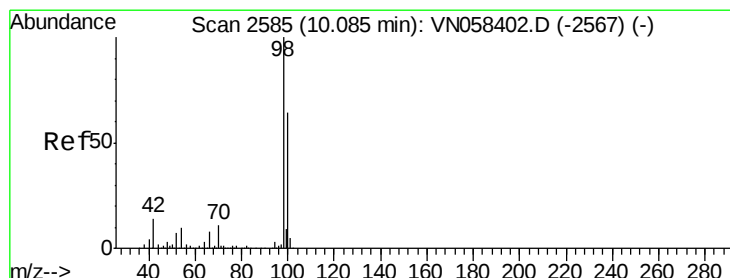
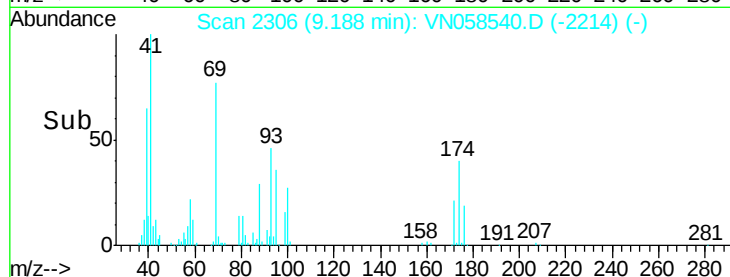
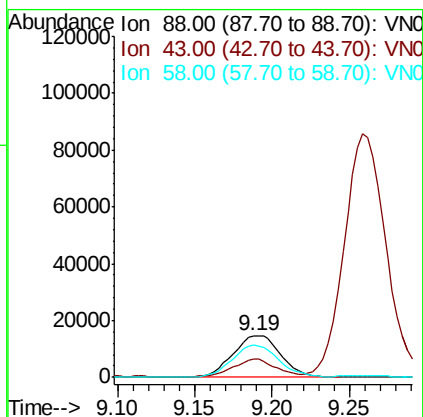
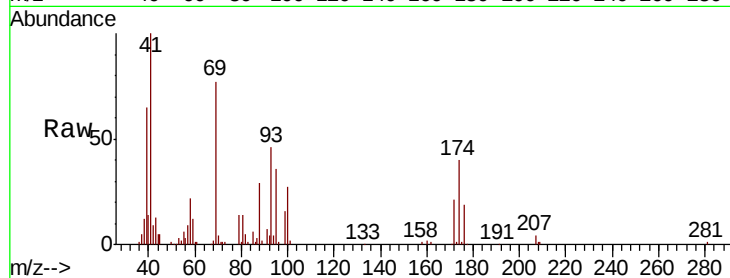
58 75.0 58.1 87.1

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#50

Toluene-d8

Concen: 48.718 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058540.D

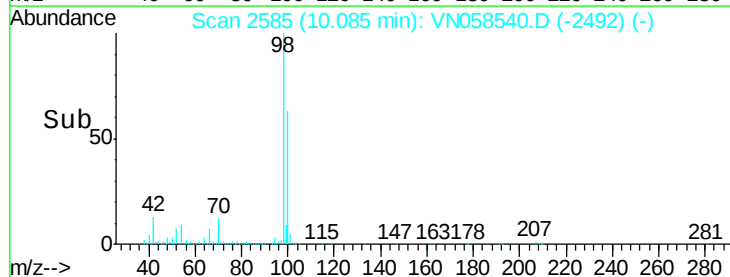
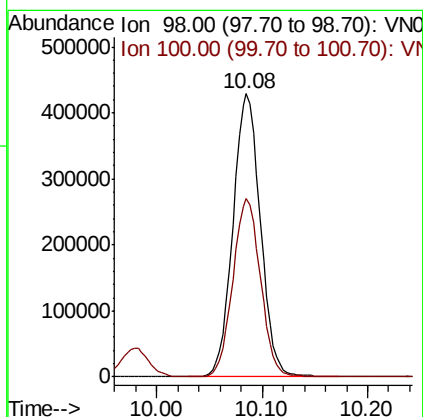
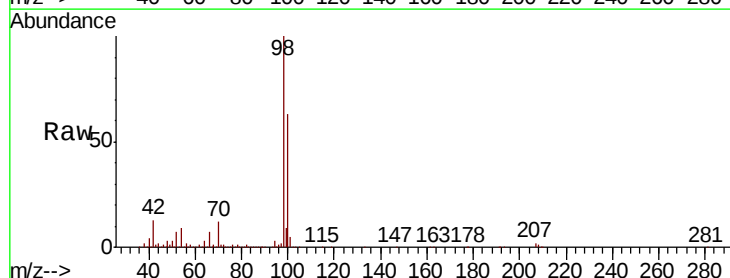
Acq: 4 Oct 2019 15:03

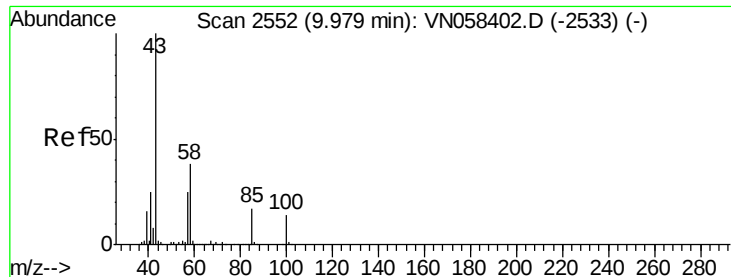
Tgt Ion: 98 Resp: 771830

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 118.164 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 43 Resp: 610574

Ion Ratio Lower Upper

43 100

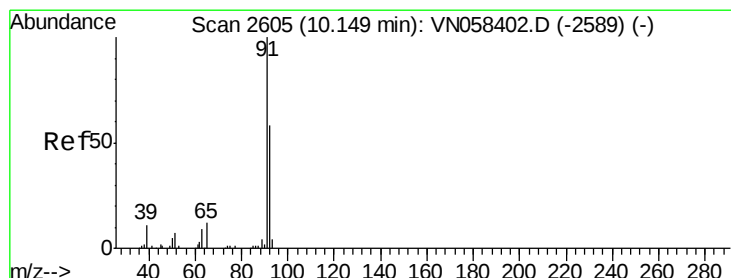
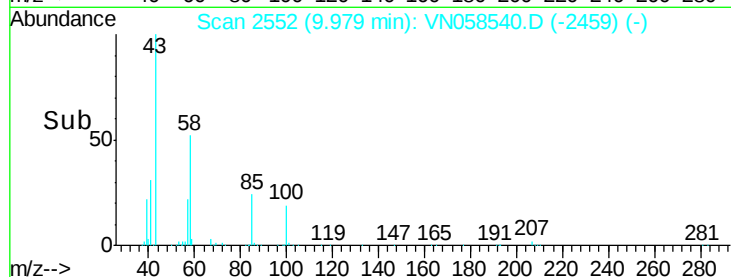
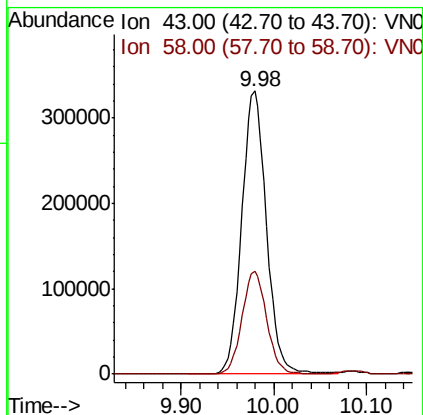
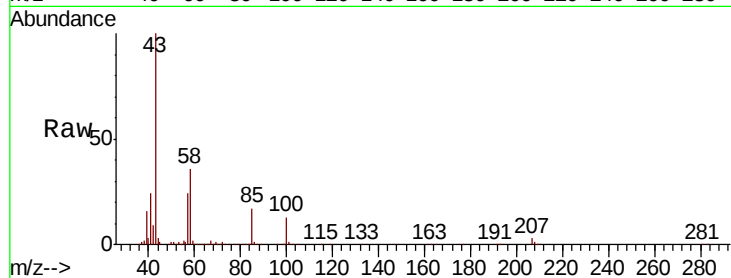
58 36.5 30.2 45.2

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#52

Toluene

Concen: 19.811 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058540.D

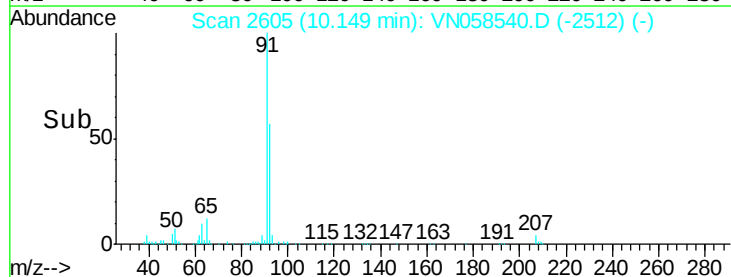
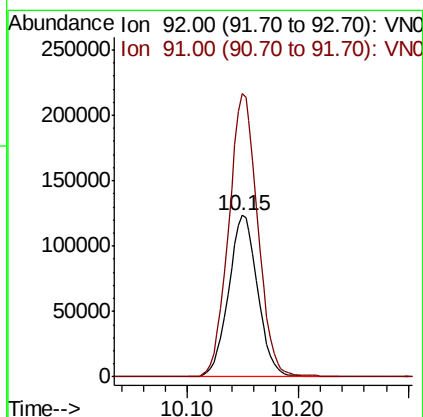
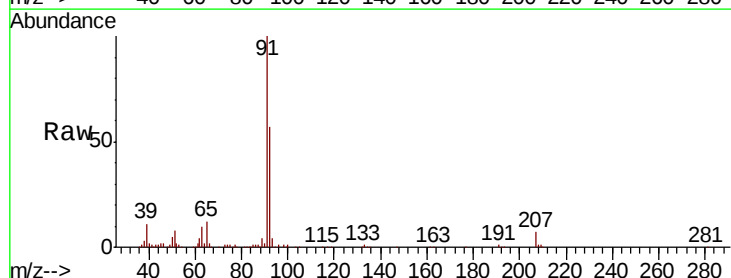
Acq: 4 Oct 2019 15:03

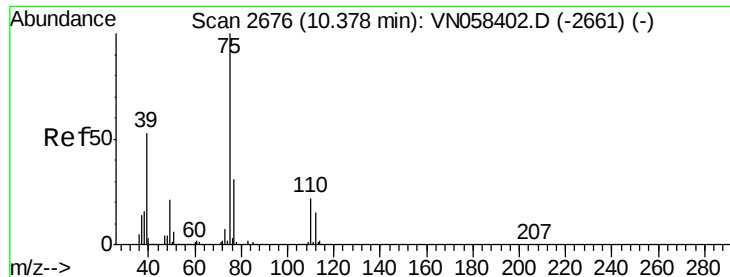
Tgt Ion: 92 Resp: 226160

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4





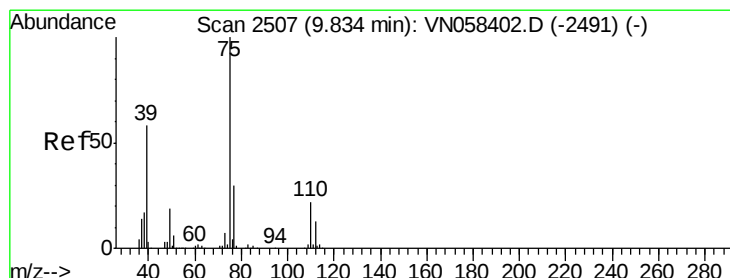
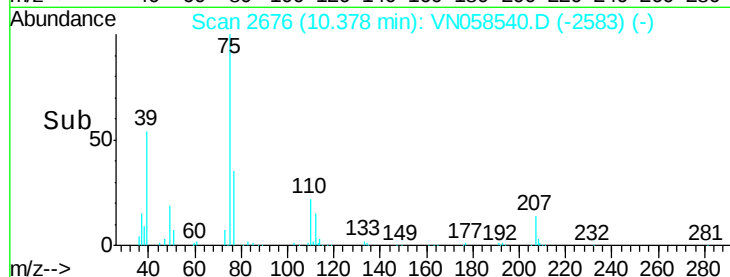
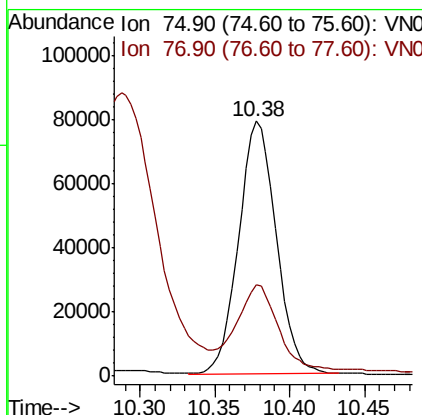
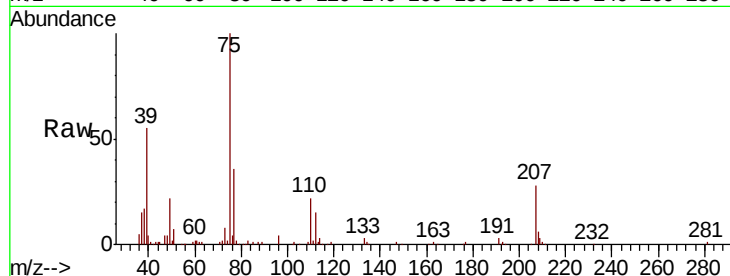
#53
 t-1,3-Dichloropropene
 Concen: 21.736 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion: 75 Resp: 138075
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.2 37.8

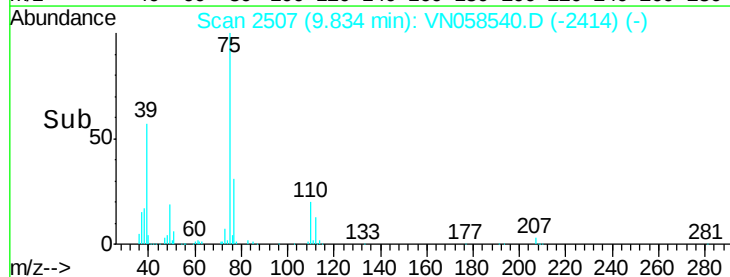
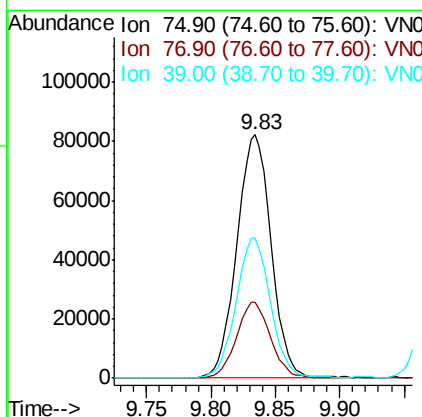
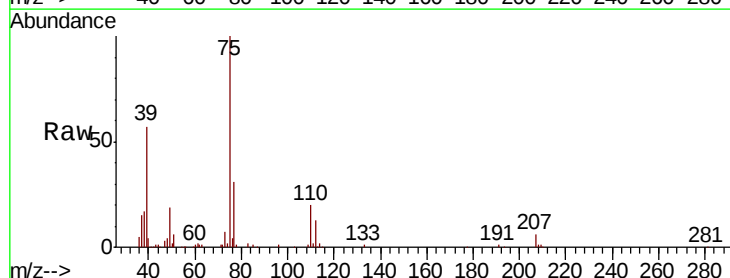
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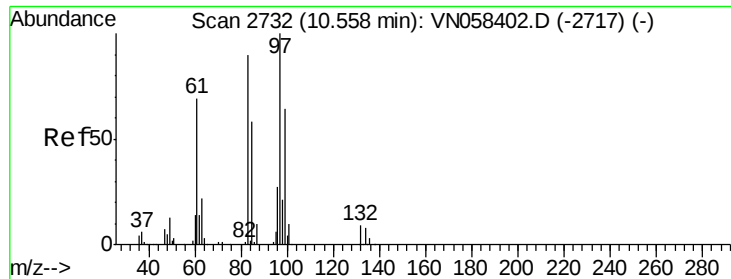
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#54
 cis-1,3-Dichloropropene
 Concen: 21.424 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 75 Resp: 151071
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.2 36.4
 39 57.4 46.4 69.6





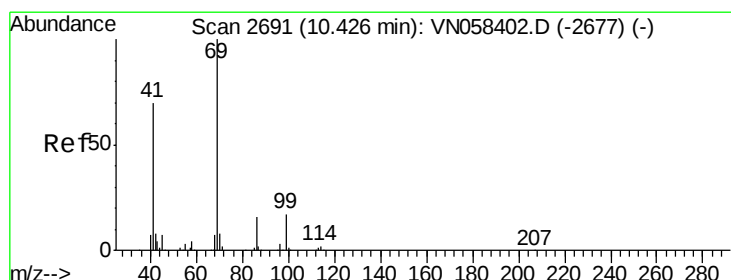
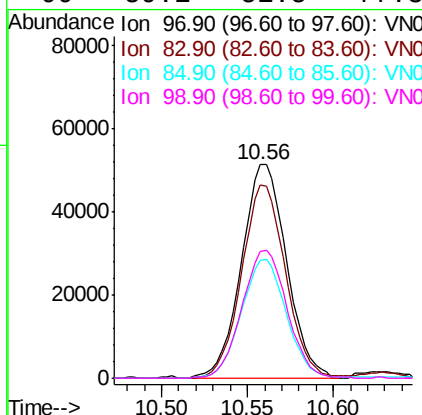
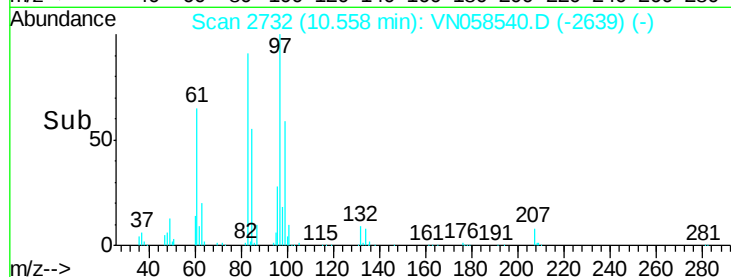
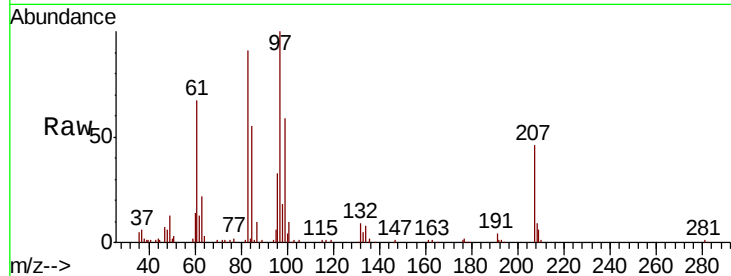
#55
 1,1,2-Trichloroethane
 Concen: 22.600 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion:	97	Resp:	93941
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.8	107.6
85	55.4	46.6	69.8
99	59.1	51.5	77.3

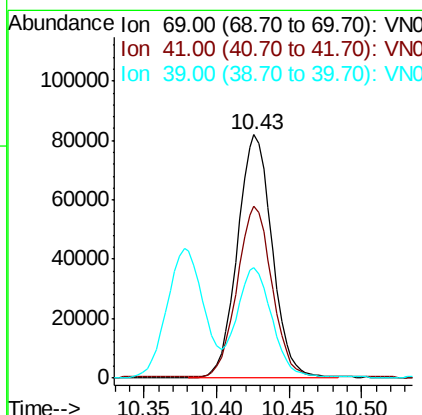
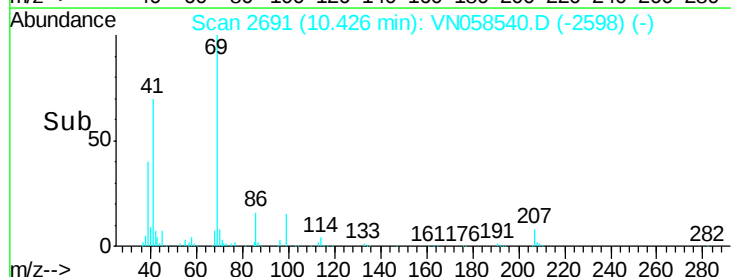
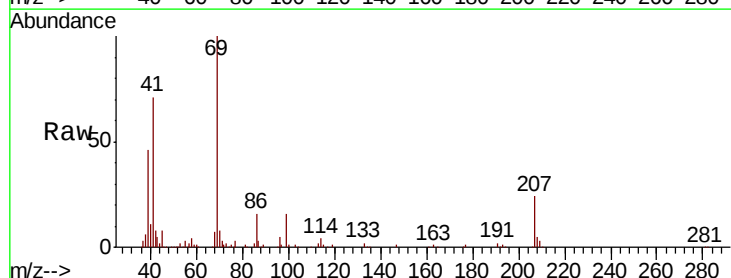
Manual Integrations
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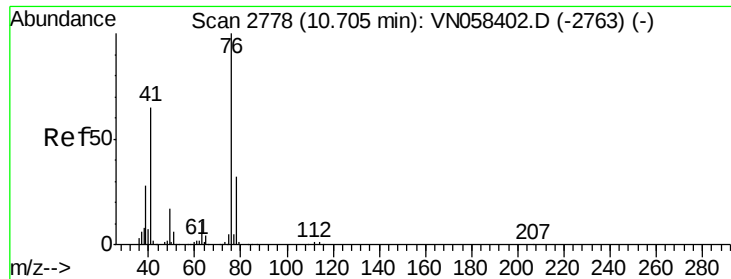
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#56
 Ethyl methacrylate
 Concen: 21.689 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion:	69	Resp:	136799
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	44.8	35.8	53.6





#57

1,3-Dichloropropane

Concen: 21.368 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion: 76 Resp: 158429

Ion Ratio Lower Upper

76 100

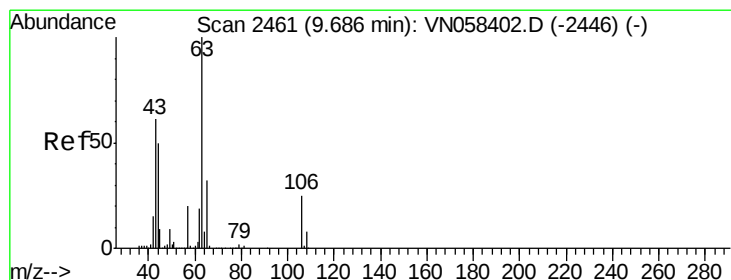
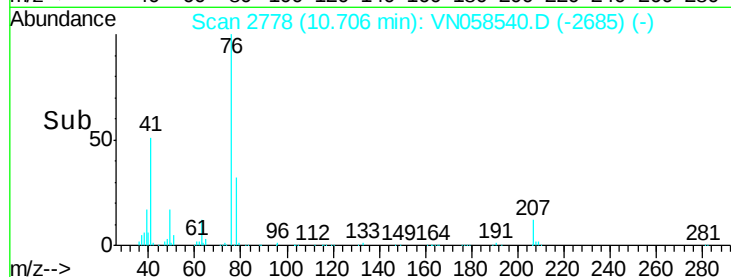
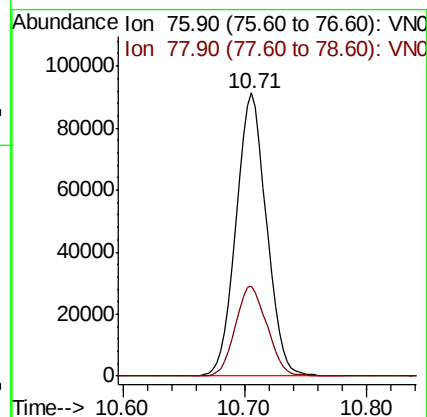
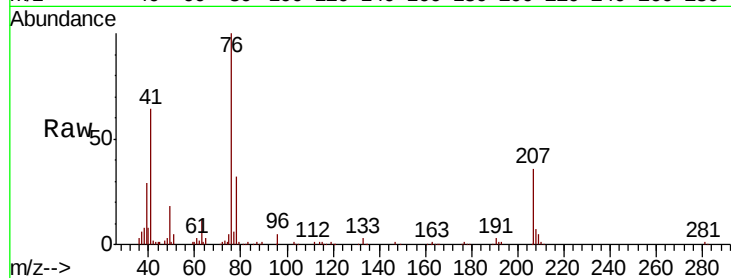
78 33.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 134.805 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058540.D

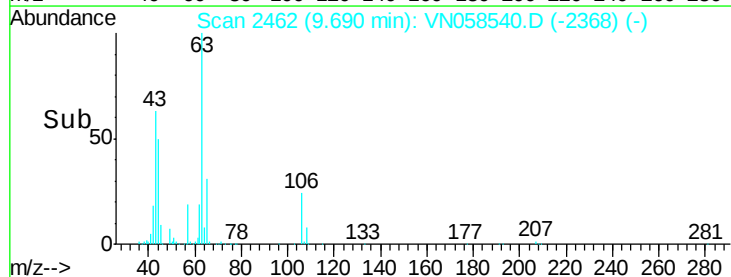
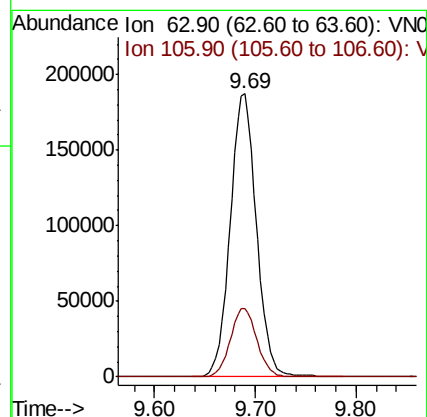
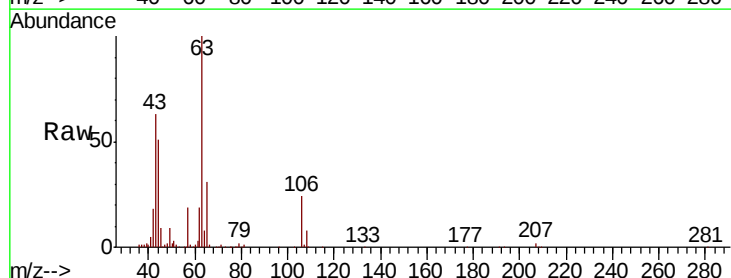
Acq: 4 Oct 2019 15:03

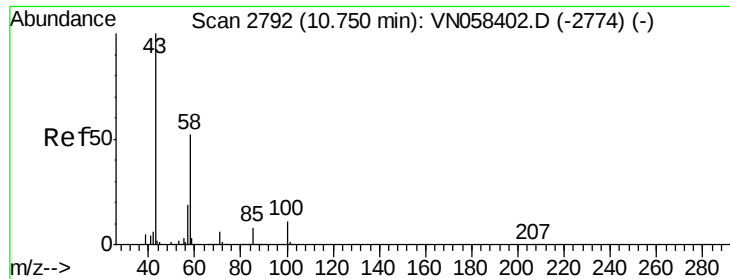
Tgt Ion: 63 Resp: 339039

Ion Ratio Lower Upper

63 100

106 24.5 20.3 30.5





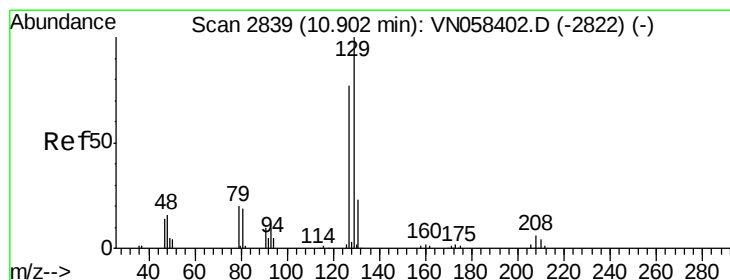
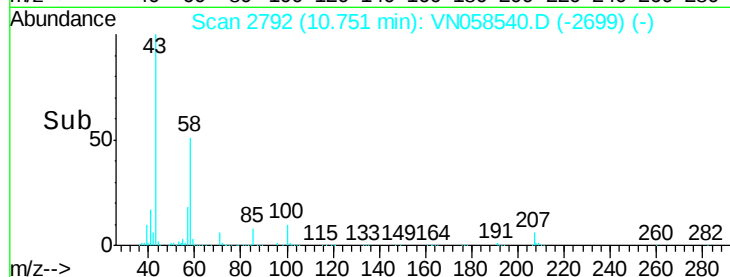
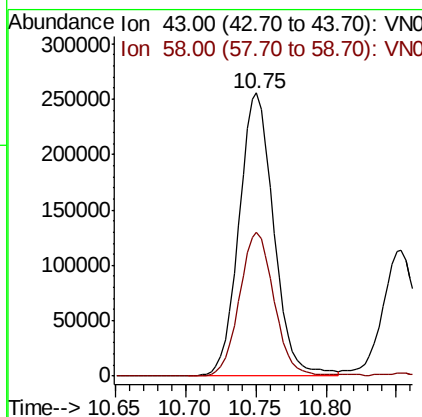
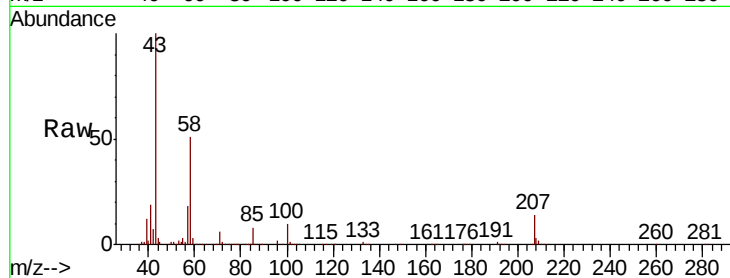
#59
2-Hexanone
Concen: 116.786 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 43 Resp: 439405
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3

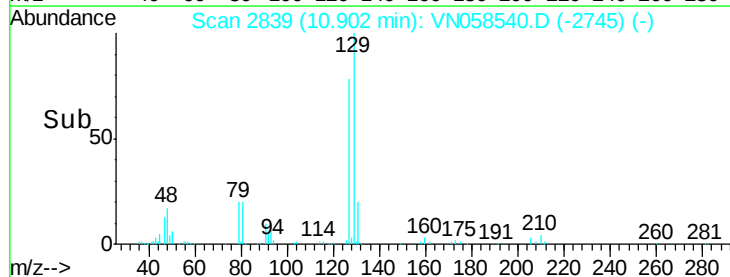
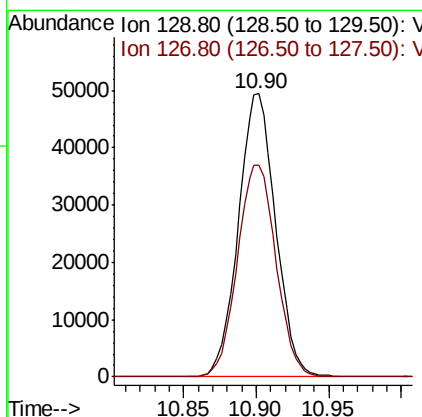
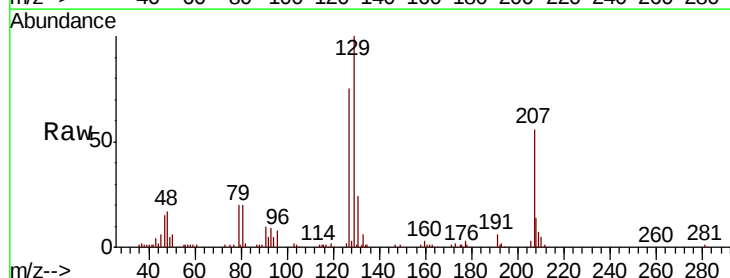
Manual Integrations
APPROVED

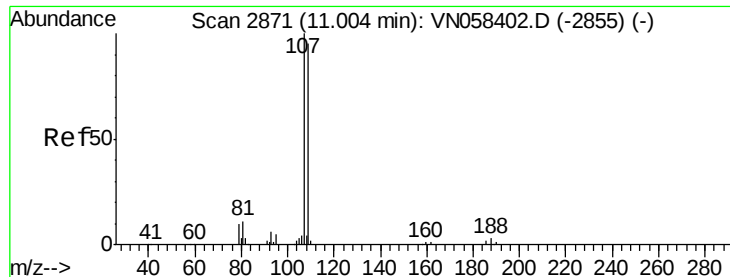
MMDadoda
10/7/2019 12:08:47 PM



#60
Dibromochloromethane
Concen: 20.157 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 129 Resp: 88183
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





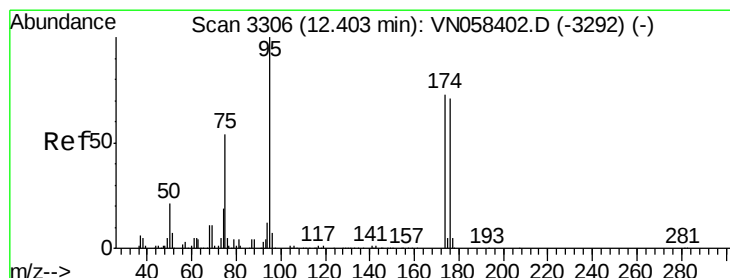
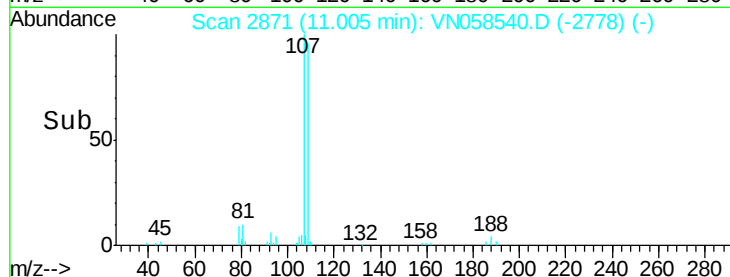
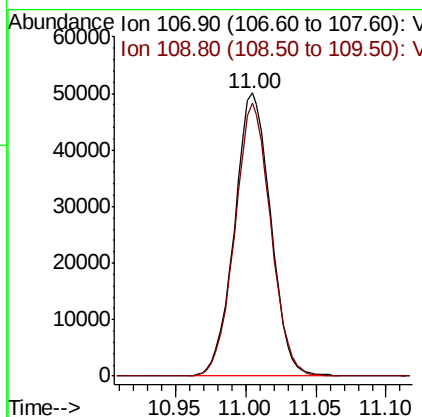
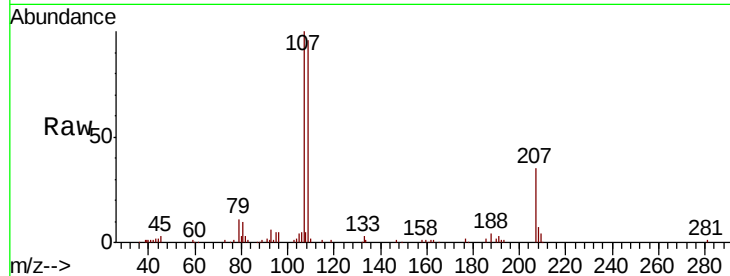
#61
 1,2-Dibromoethane
 Concen: 21.229 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion: 107 Resp: 90163
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.3 112.9

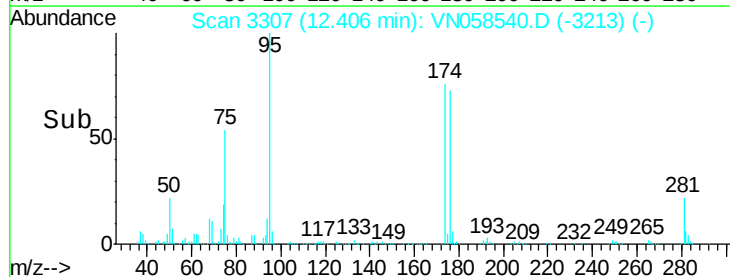
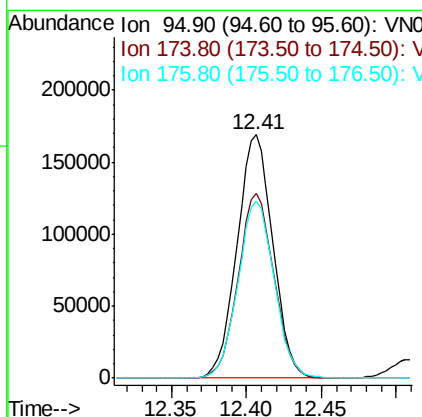
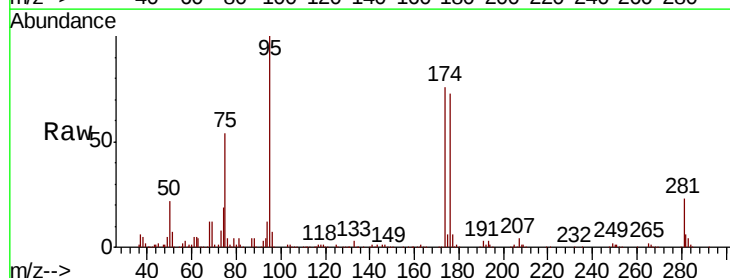
Manual Integrations
 APPROVED

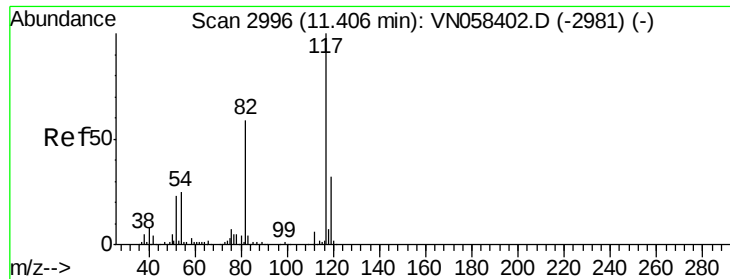
MMDadoda
 10/7/2019 12:08:47 PM



#62
 4-Bromofluorobenzene
 Concen: 49.093 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 95 Resp: 281230
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 150.6
 176 73.7 0.0 146.2





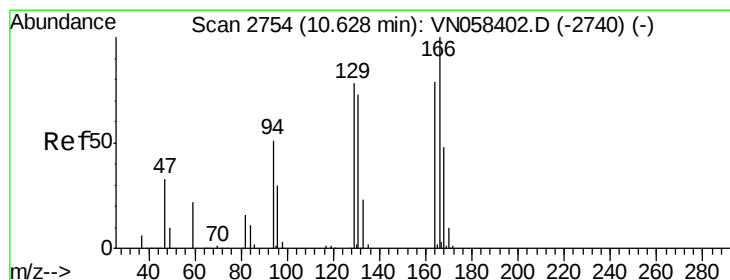
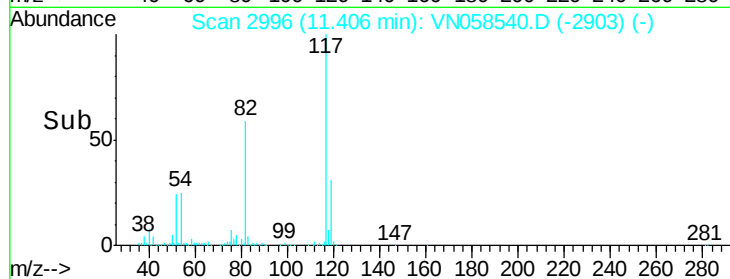
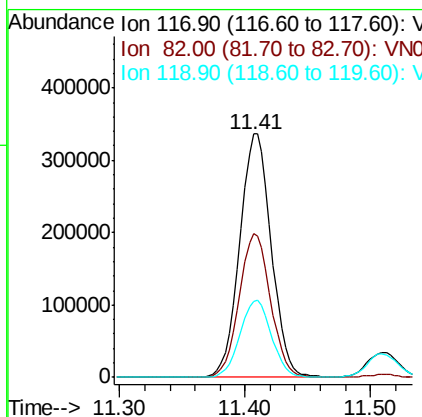
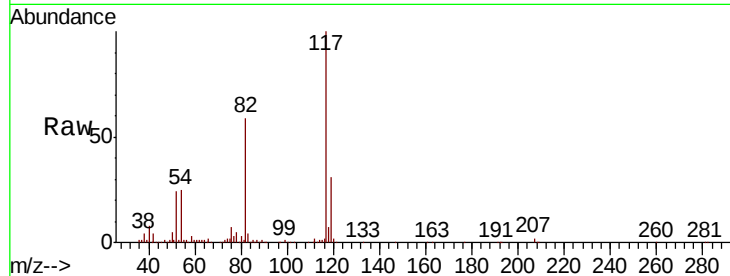
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.4	71.0
119	31.4	25.5	38.3

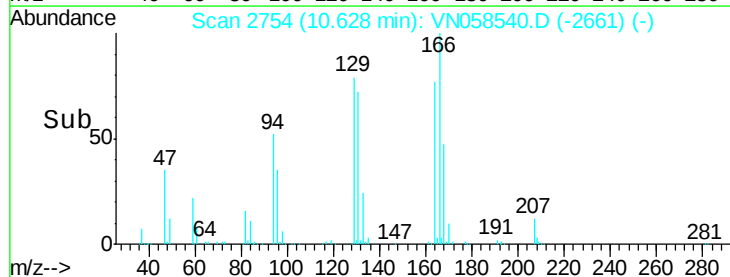
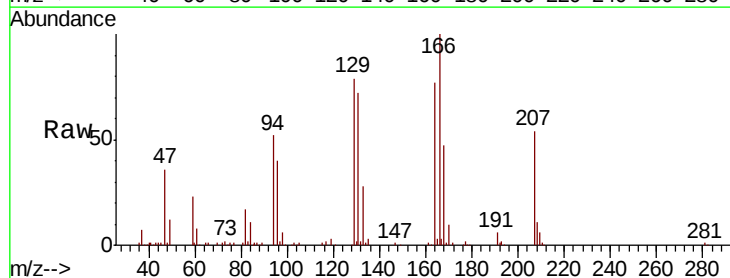
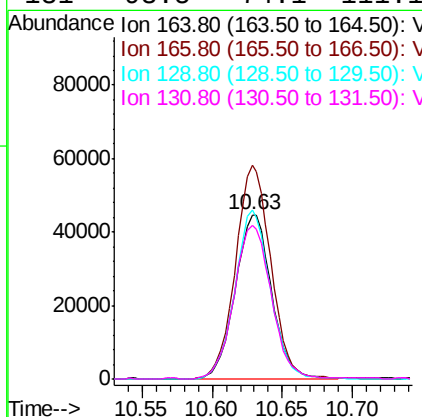
Manual Integrations
APPROVED

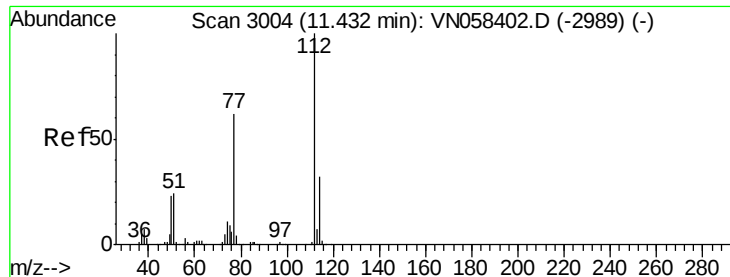
MMDadoda
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#64
Tetrachloroethene
Concen: 21.625 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.1	151.7
129	102.4	79.2	118.8
131	93.5	74.1	111.1





#65

Chlorobenzene

Concen: 20.712 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion:112 Resp: 242092

Ion Ratio Lower Upper

112 100

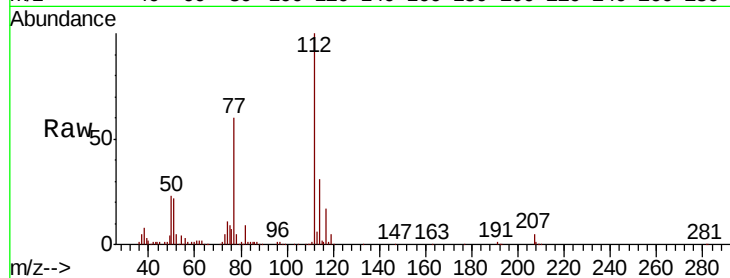
114 30.5 25.4 38.2

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

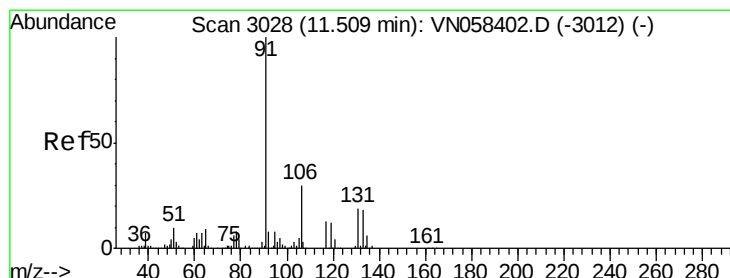
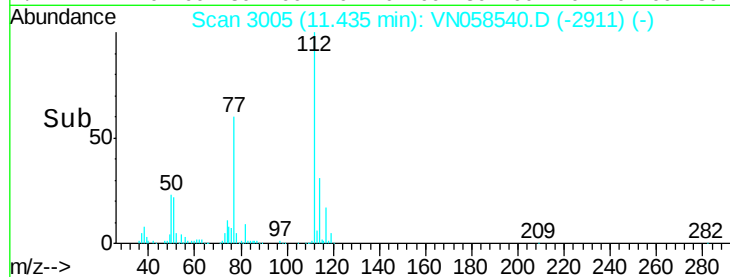
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.307 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

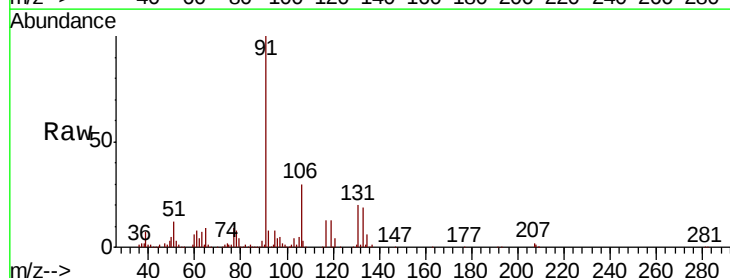
Tgt Ion:131 Resp: 87851

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 64.6 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

120000

100000

80000

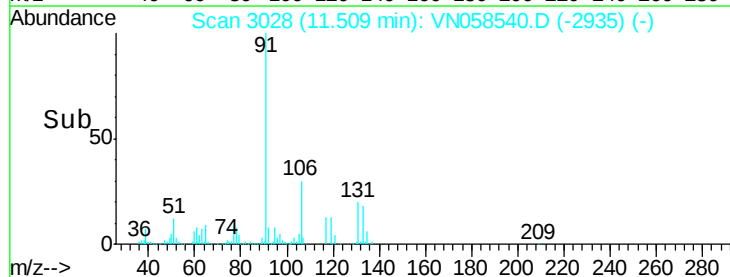
60000

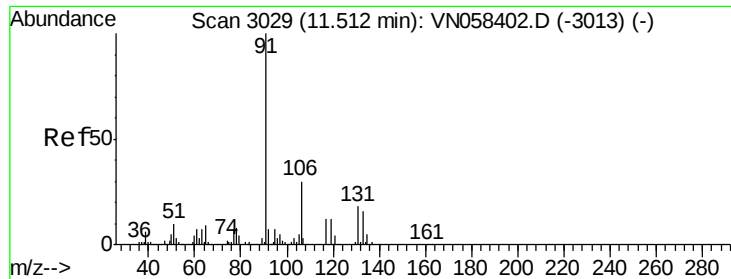
40000

20000

0

Time-->





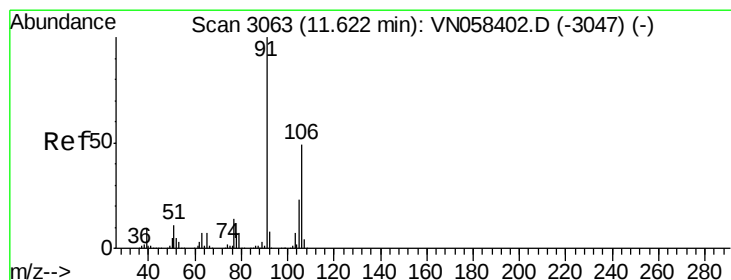
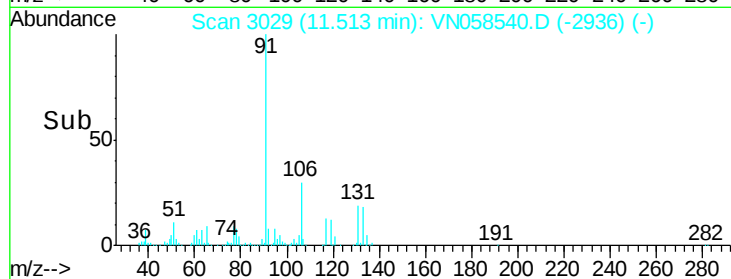
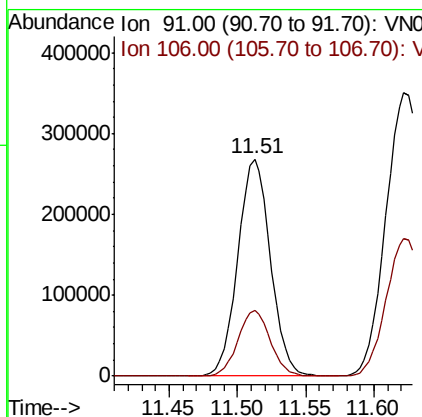
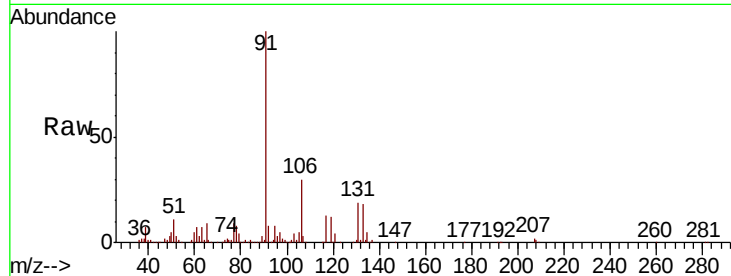
#67
Ethyl Benzene
Concen: 21.044 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion: 91 Resp: 445546
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

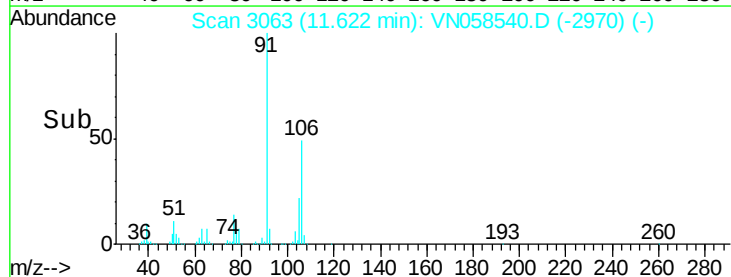
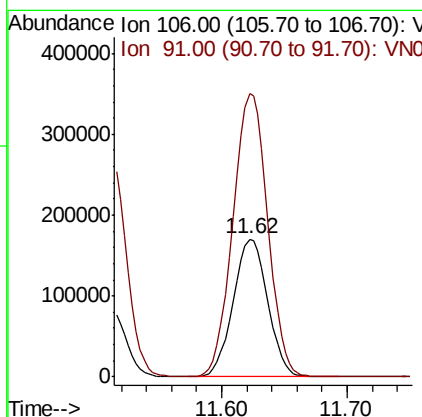
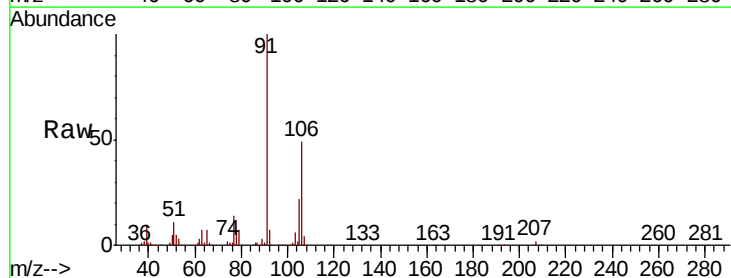
Manual Integrations
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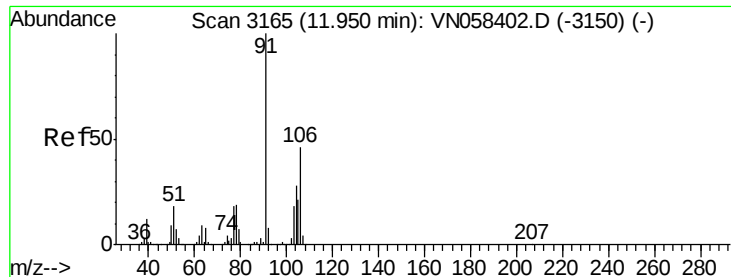
MMDadoda
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#68
m/p-Xylenes
Concen: 40.826 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 106 Resp: 325202
Ion Ratio Lower Upper
106 100
91 207.2 165.0 247.4





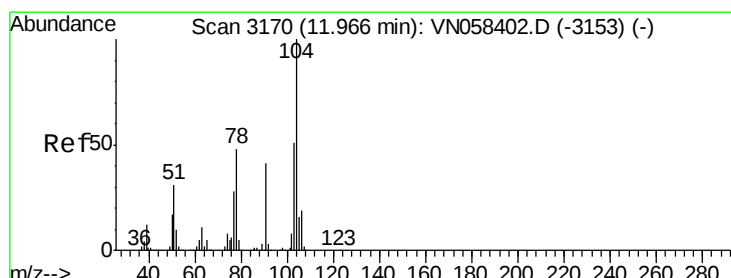
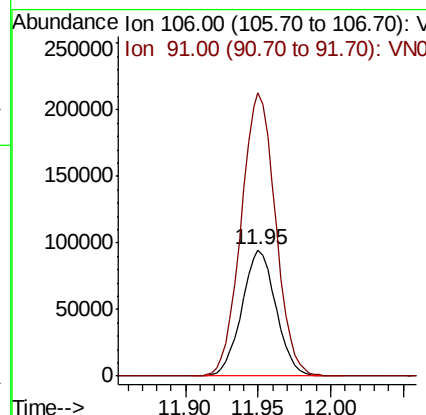
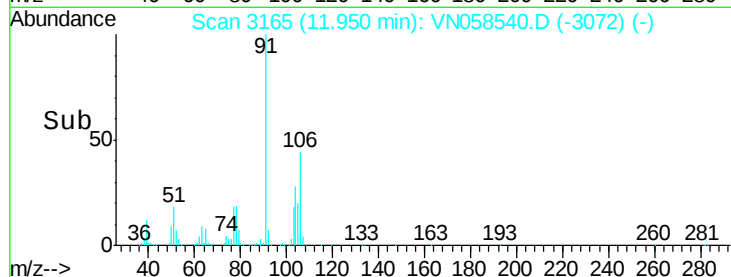
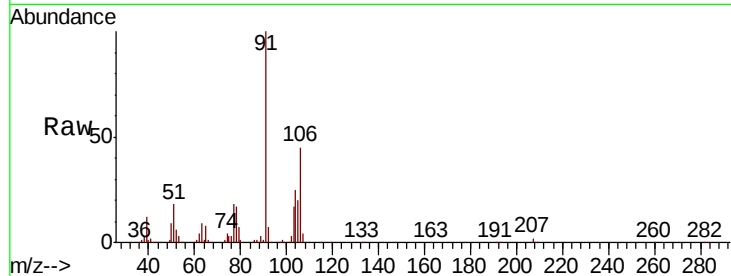
#69
o-Xylene
Concen: 20.195 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion:106 Resp: 154854
Ion Ratio Lower Upper
106 100
91 226.4 109.1 327.4

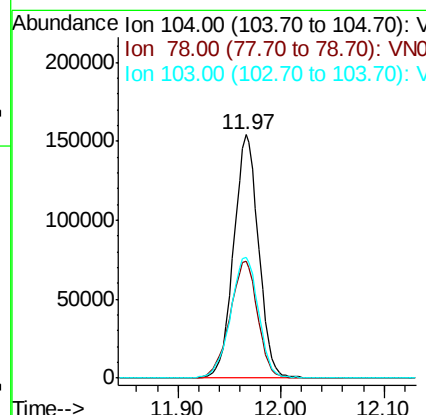
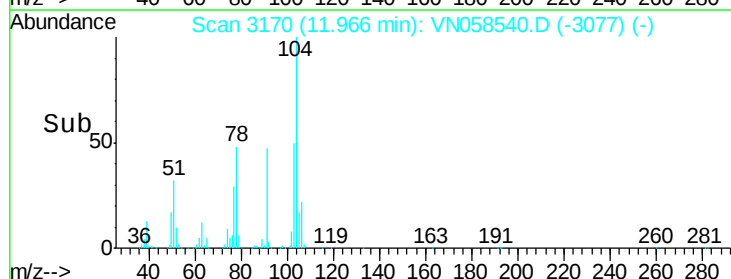
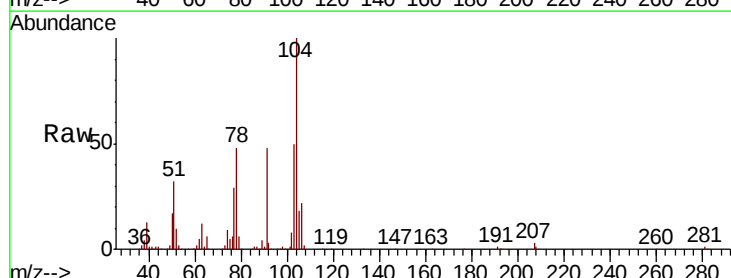
Manual Integrations
APPROVED

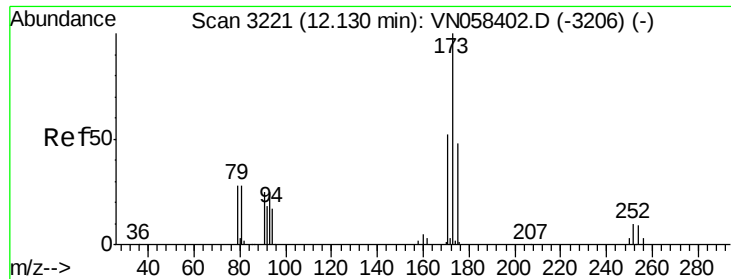
MMDadoda
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#70
Styrene
Concen: 20.888 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:104 Resp: 260205
Ion Ratio Lower Upper
104 100
78 53.4 42.8 64.2
103 55.8 43.7 65.5





#71

Bromoform

Concen: 19.614 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

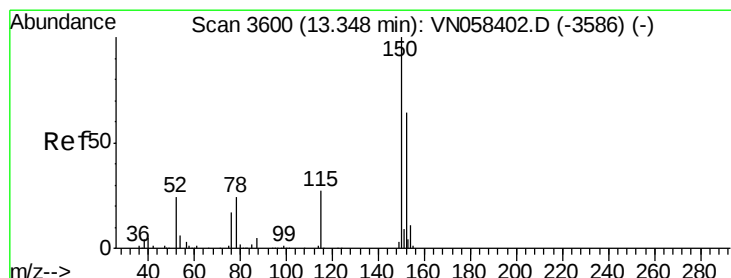
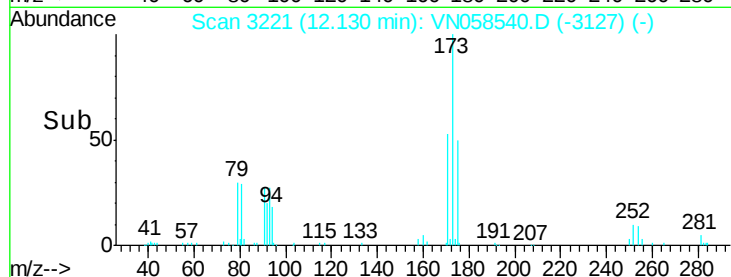
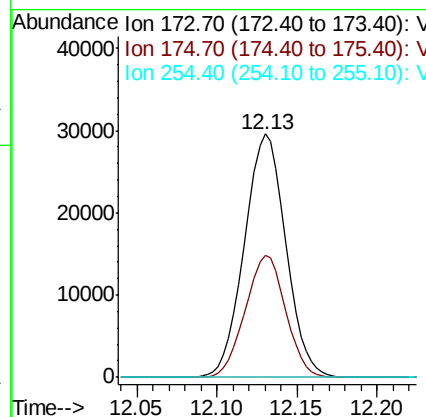
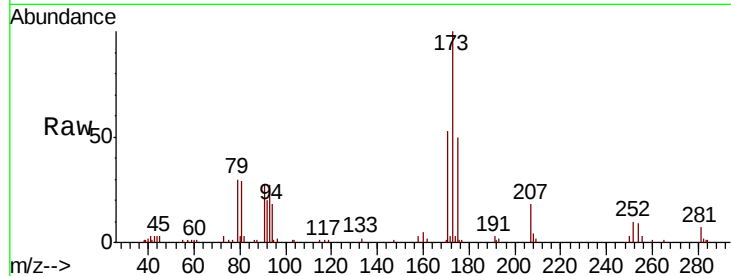
ClientSampleId :

VN1004WBSD01

Tot Ion:	173	Resp:	52216
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

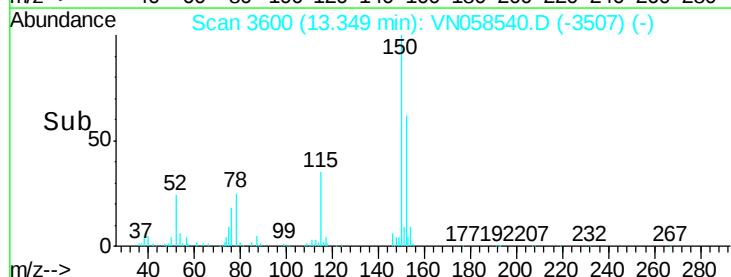
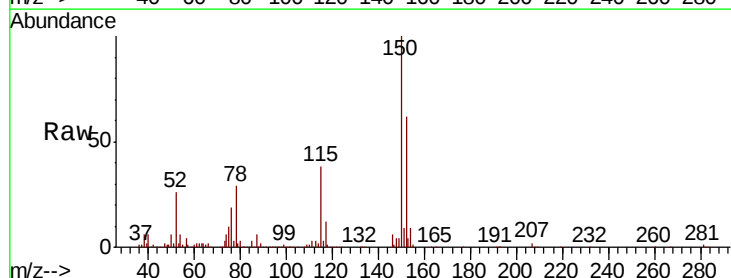
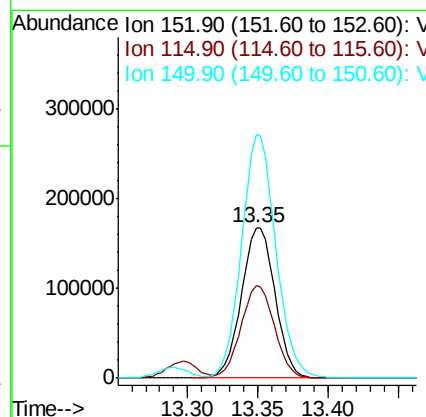
RT: 13.35 min Scan# 3600

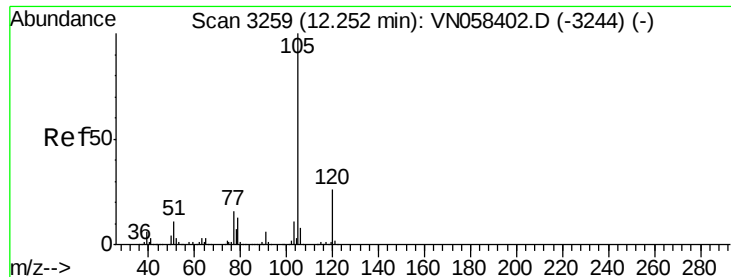
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	152	Resp:	279676
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.0	90.0
150	165.3	0.0	348.2





#73

Isopropylbenzene

Concen: 20.649 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBSD01

Tot Ion:105 Resp: 426782

Ion Ratio Lower Upper

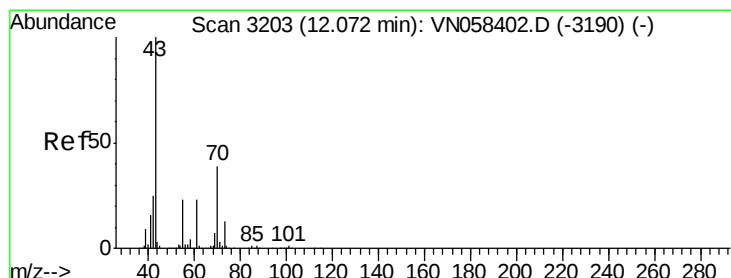
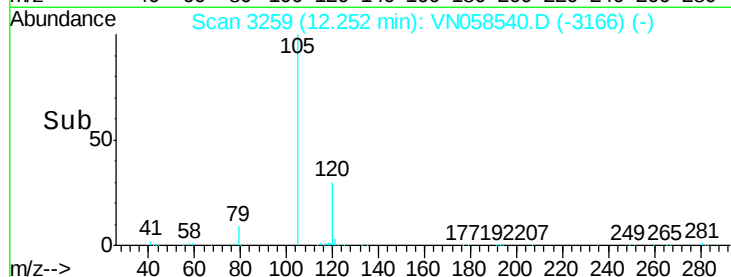
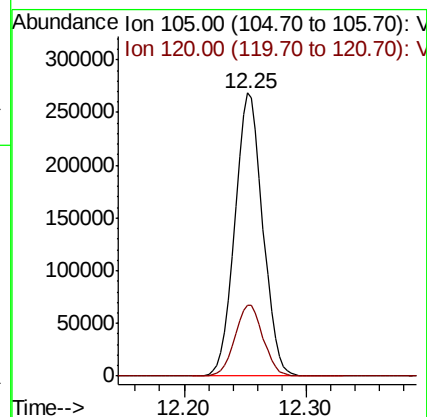
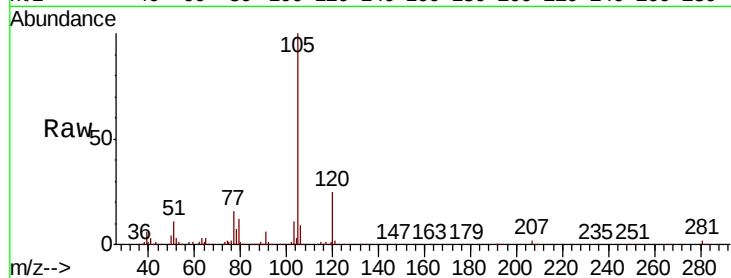
105 100

120 25.3 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.259 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion: 43 Resp: 183031

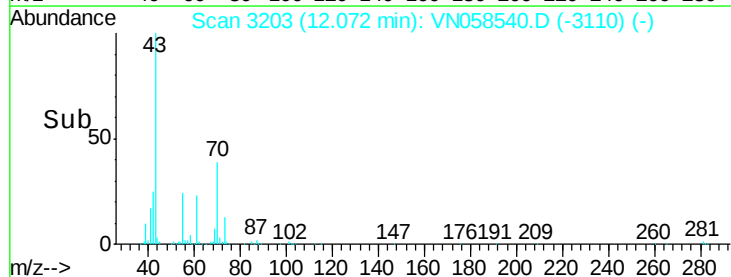
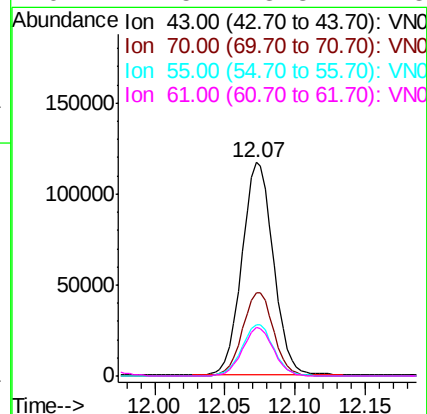
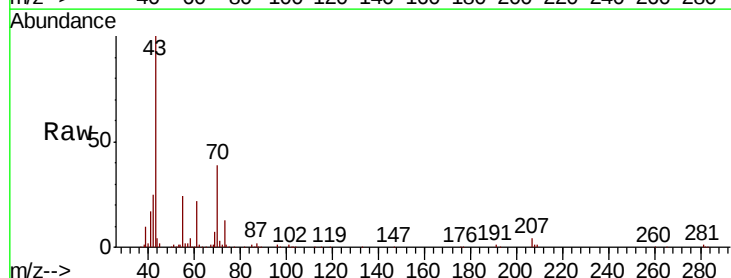
Ion Ratio Lower Upper

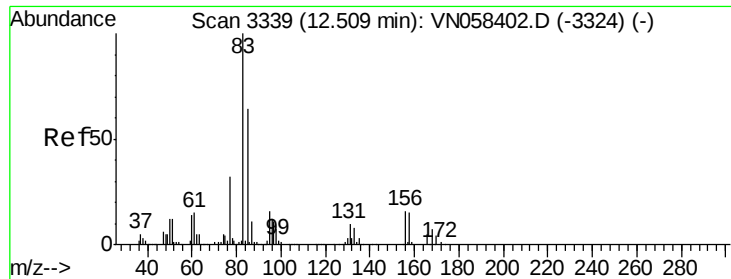
43 100

70 38.9 31.4 47.2

55 24.7 18.2 27.4

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.714 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

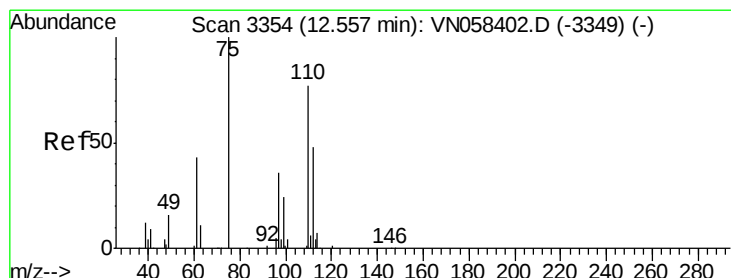
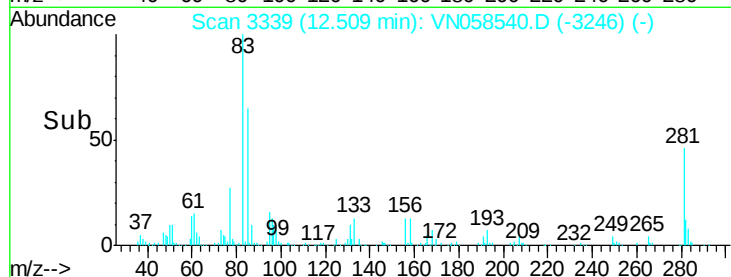
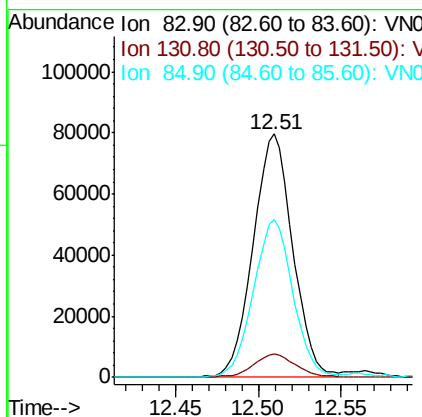
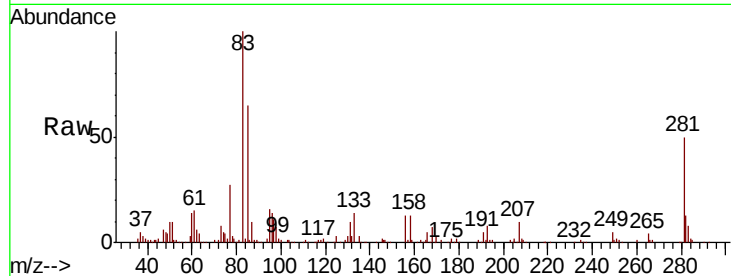
ClientSampleId :

VN1004WBSD01

Tot Ion:	83	Resp:	132712
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 24.153 ug/l m

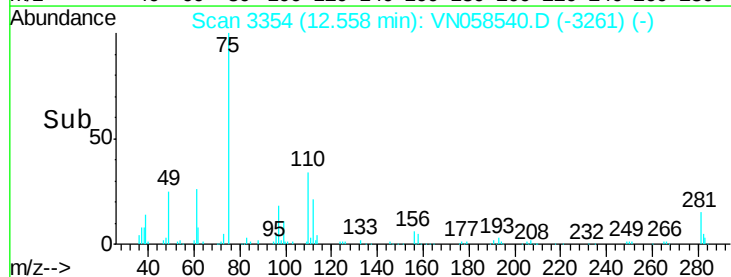
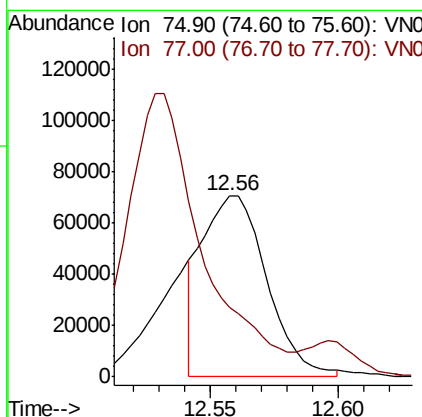
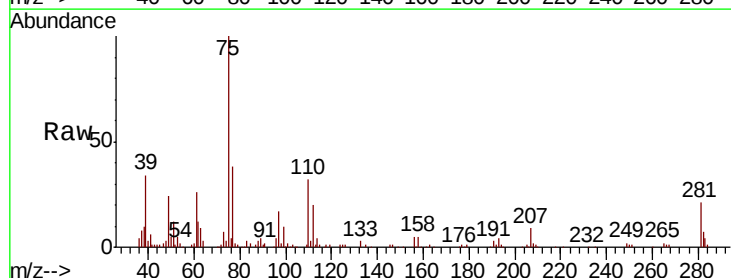
RT: 12.56 min Scan# 3354

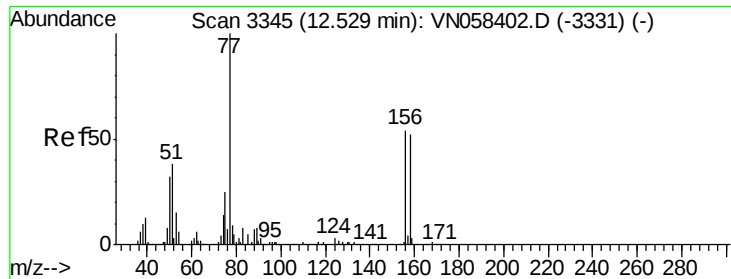
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	75	Resp:	123379
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.460 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

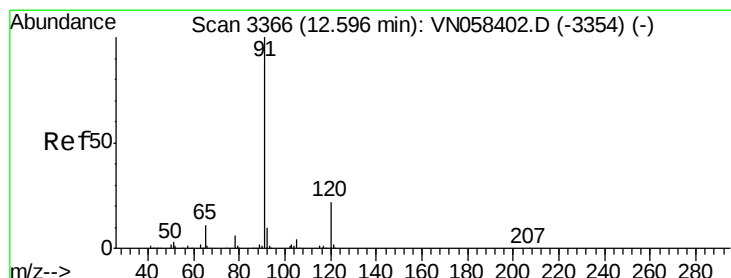
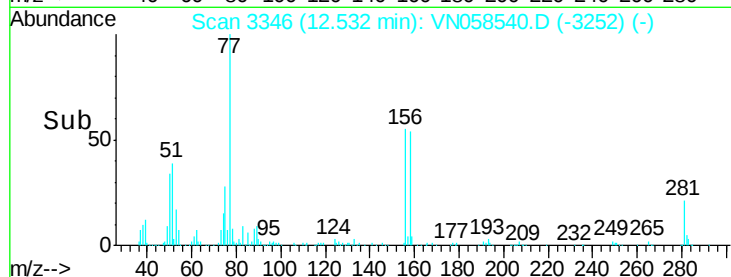
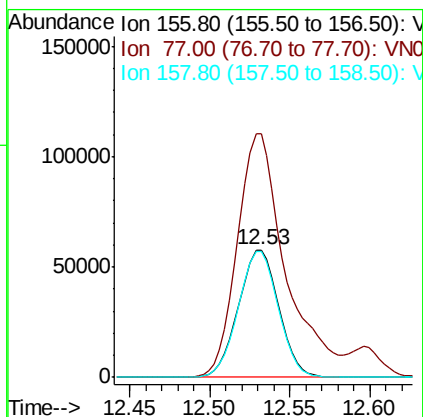
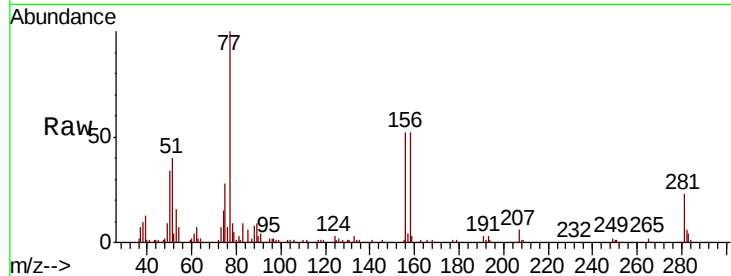
ClientSampleId :

VN1004WBSD01

Tot Ion:	156	Resp:	99157
Ion Ratio	Lower	Upper	
156	100		
77	229.2	110.0	330.0
158	98.1	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.491 ug/l

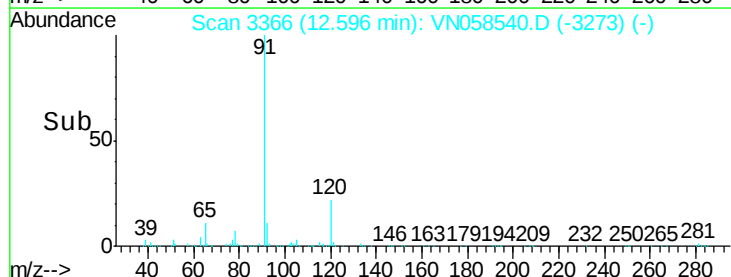
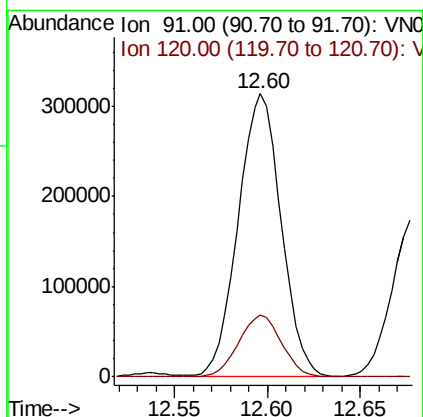
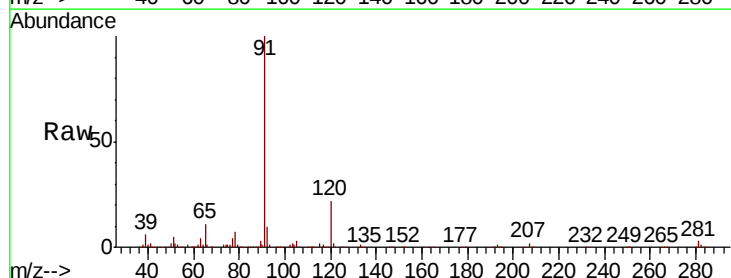
RT: 12.60 min Scan# 3366

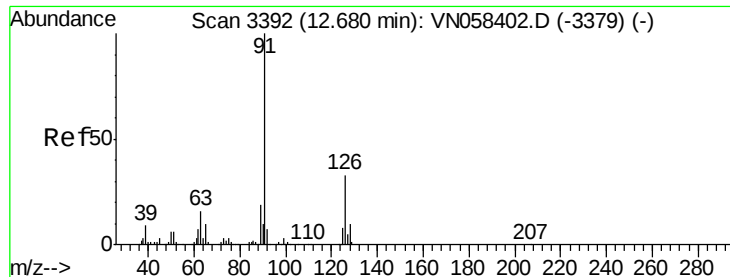
Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion:	91	Resp:	500435
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.9	32.9





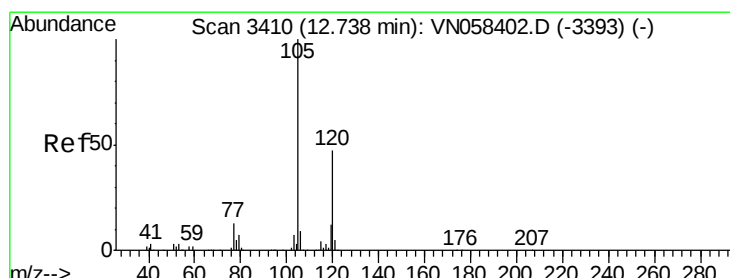
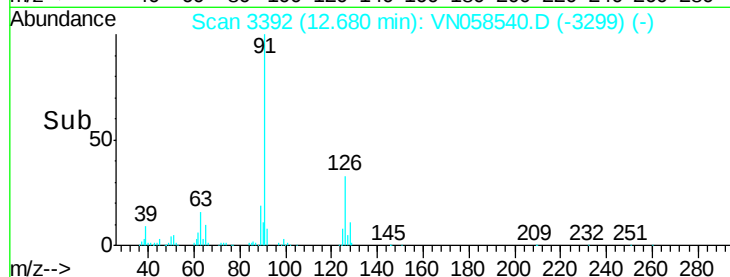
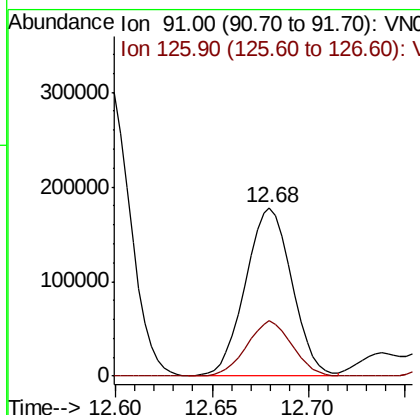
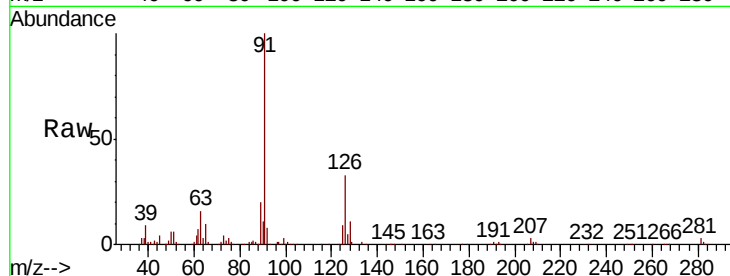
#79
 2-Chlorotoluene
 Concen: 20.574 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion: 91 Resp: 295706
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.6

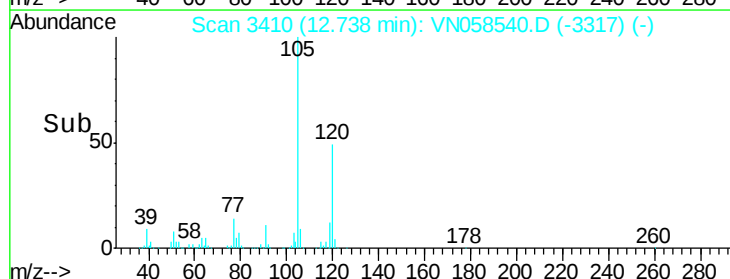
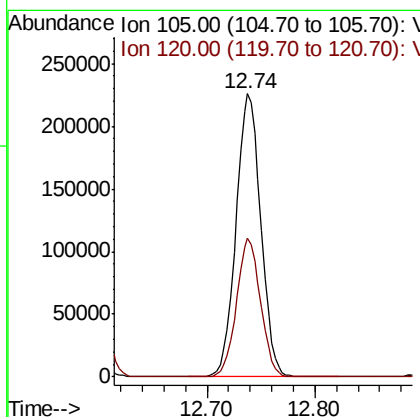
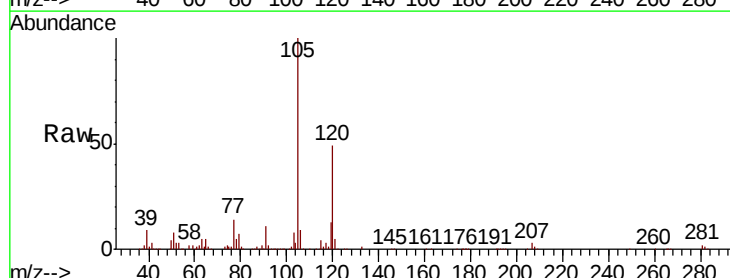
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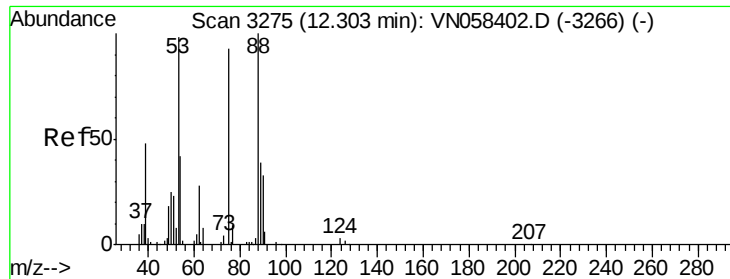
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.805 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 105 Resp: 359964
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.5 70.6





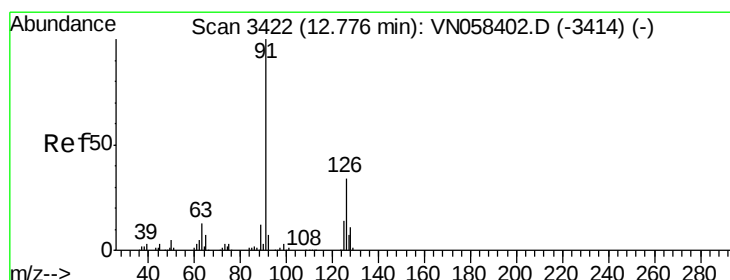
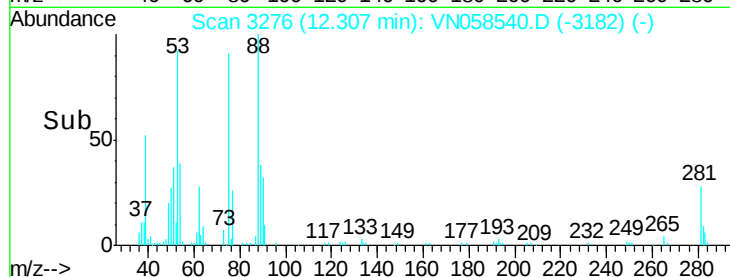
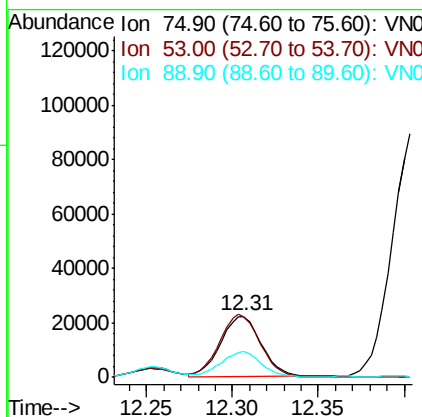
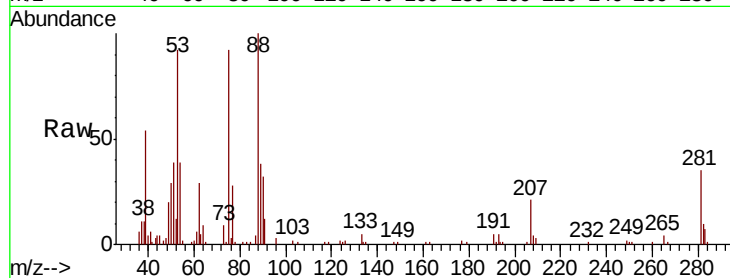
#81
trans-1,4-Dichloro-2-butene
Concen: 21.237 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	85.4	128.0
89	41.6	35.0	52.4

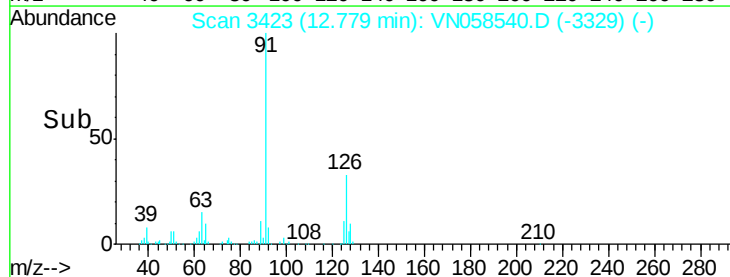
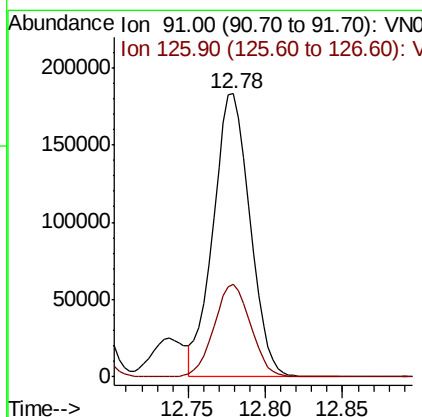
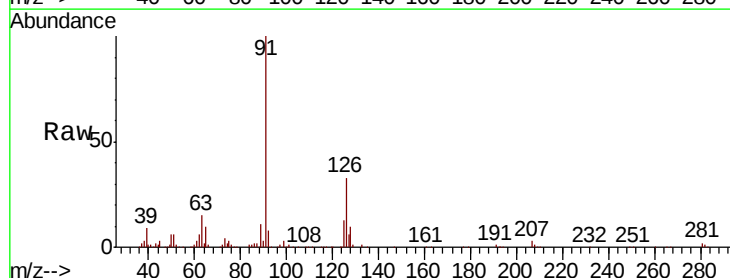
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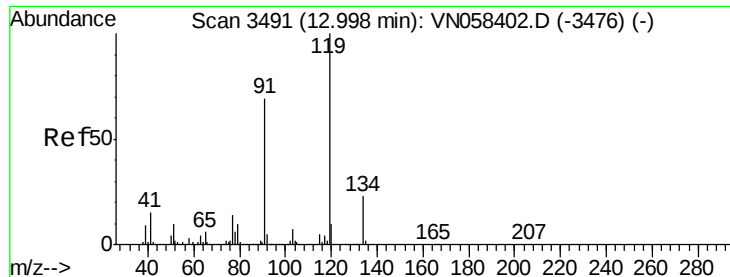
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.580 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	15.9	47.7





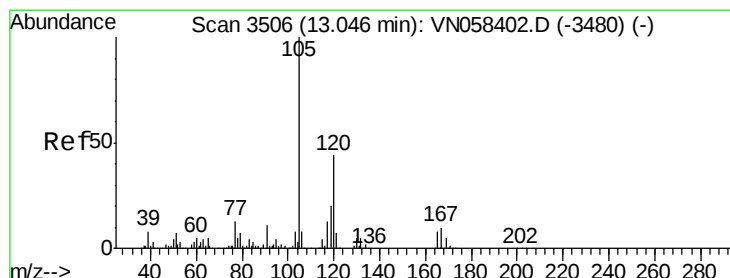
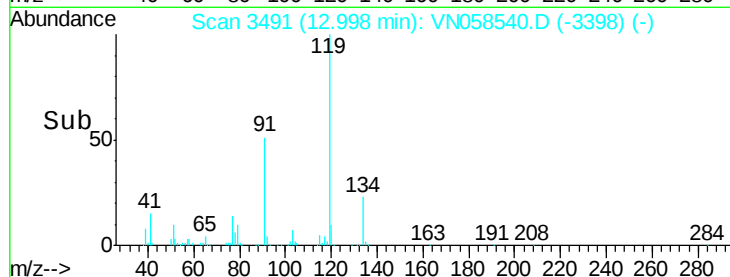
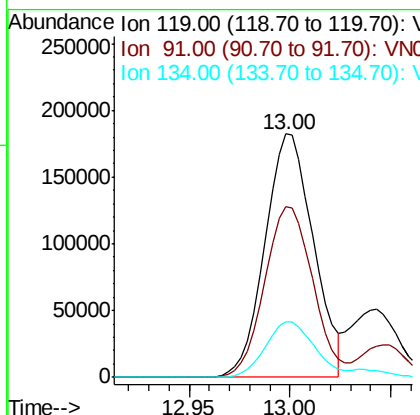
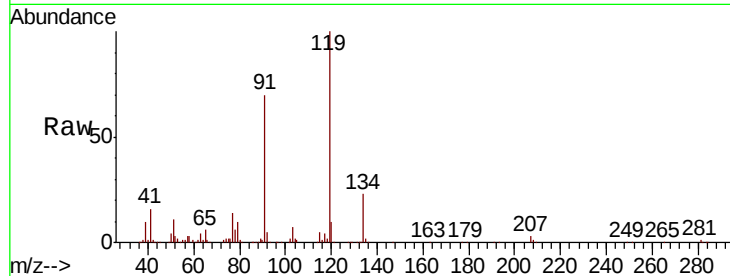
#83
 tert-Butylbenzene
 Concen: 20.737 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.2	102.6
134	23.5	11.6	34.8

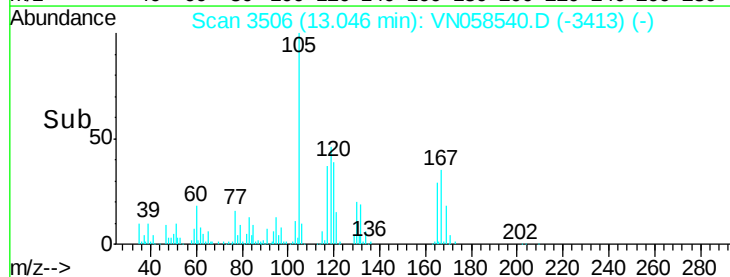
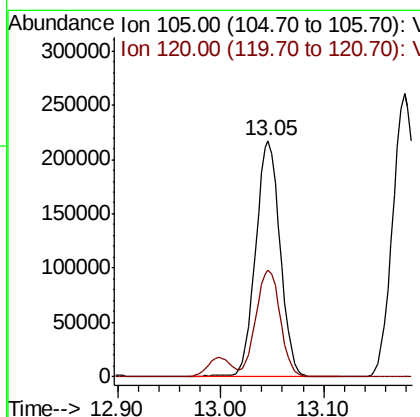
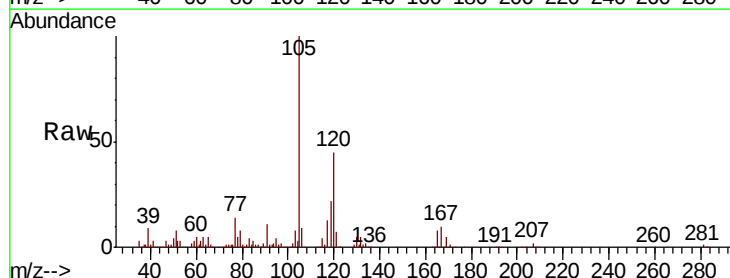
Manual Integrations
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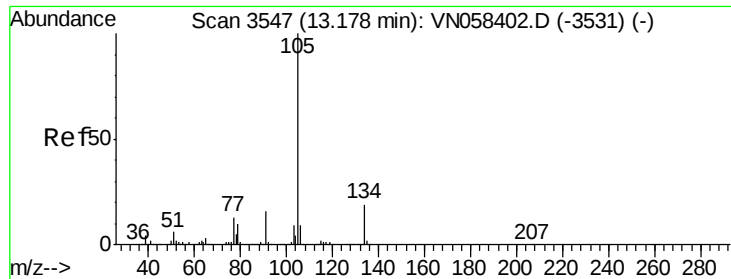
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.599 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.7	65.1





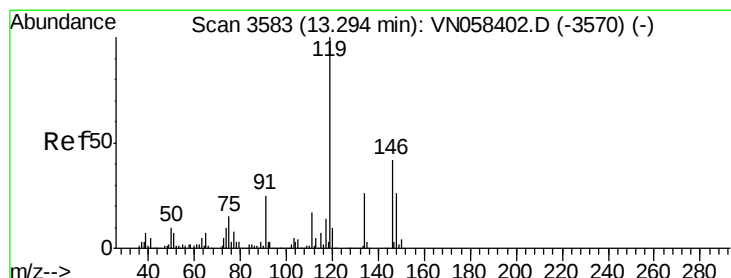
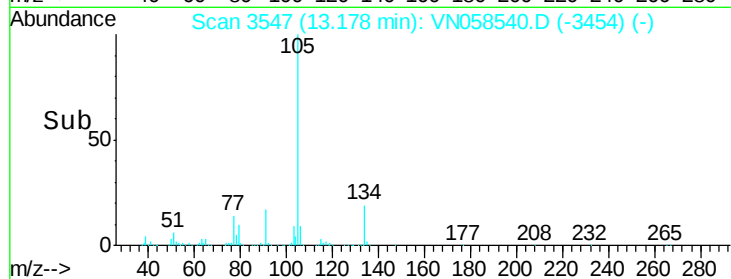
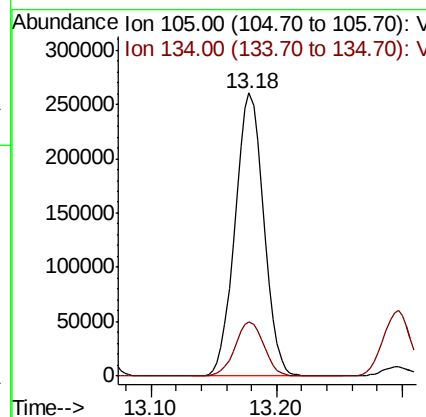
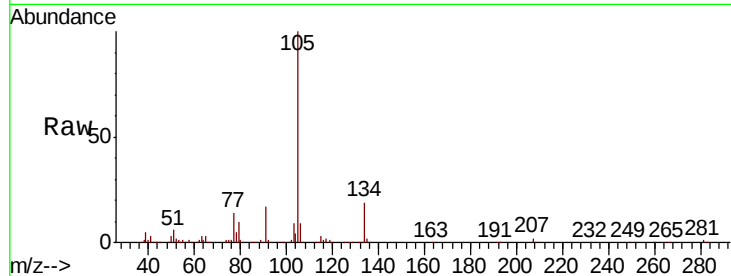
#85
 sec-Butylbenzene
 Concen: 21.436 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.2

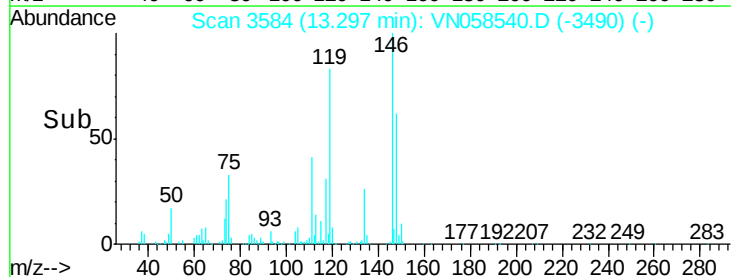
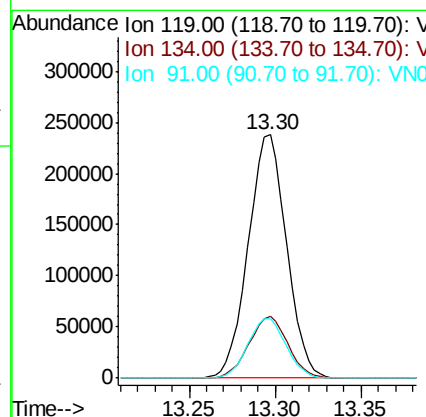
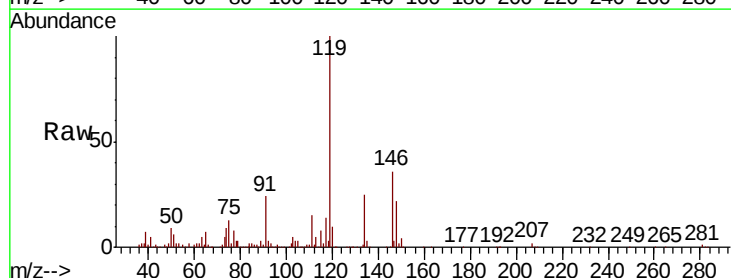
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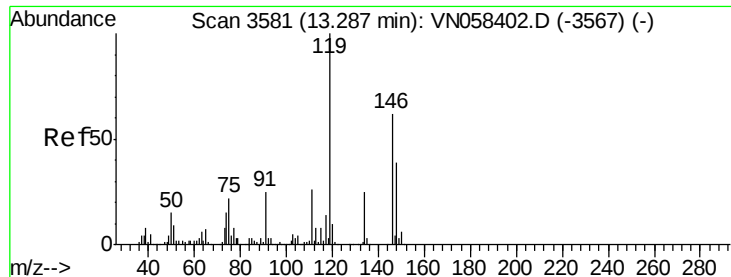
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#86
 p-Isopropyltoluene
 Concen: 21.610 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	24.6	12.4	37.0





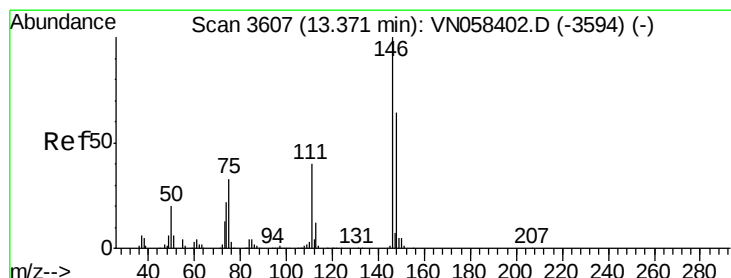
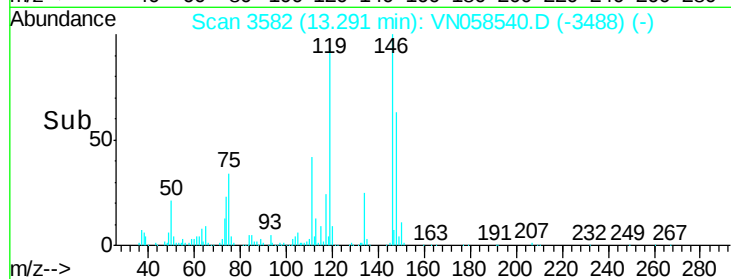
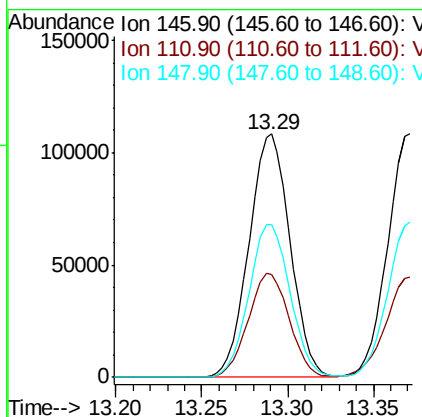
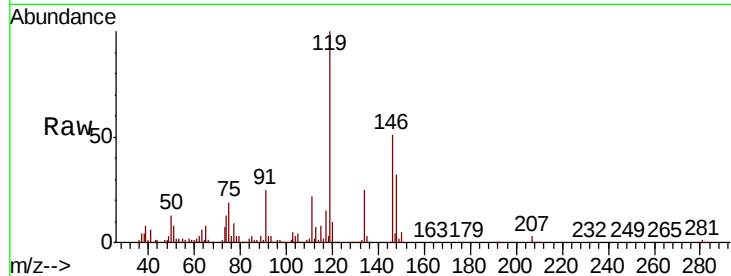
#87
 1,3-Dichlorobenzene
 Concen: 20.398 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.4
148	63.0	31.4	94.3

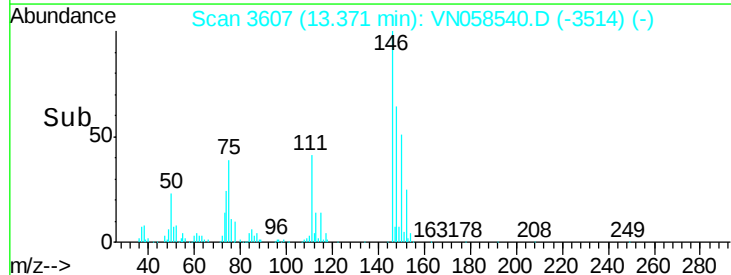
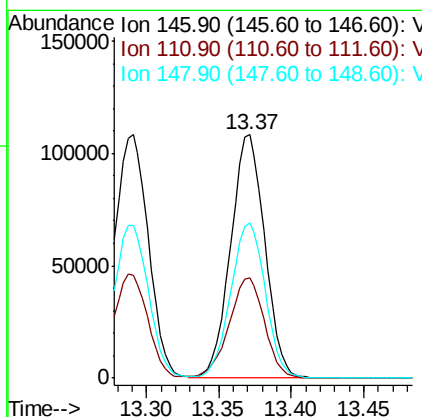
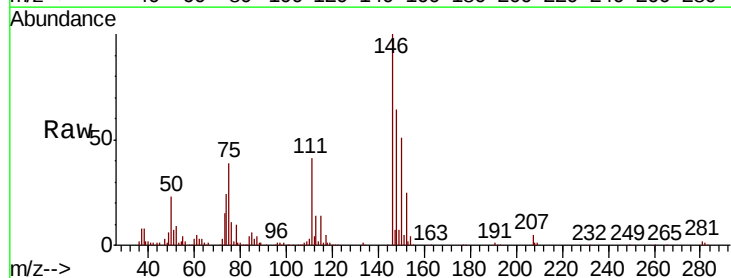
Manual Integrations
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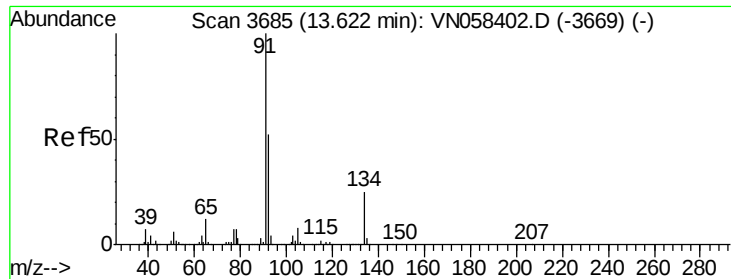
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#88
 1,4-Dichlorobenzene
 Concen: 20.250 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.5	61.6
148	64.7	31.5	94.5





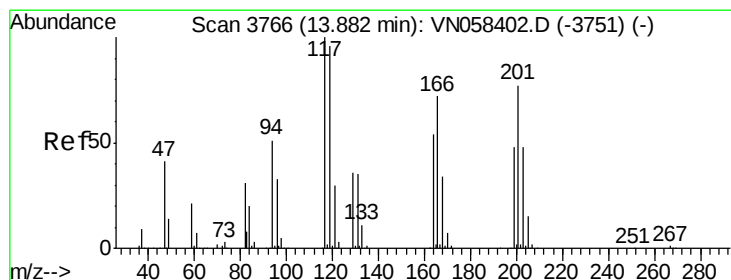
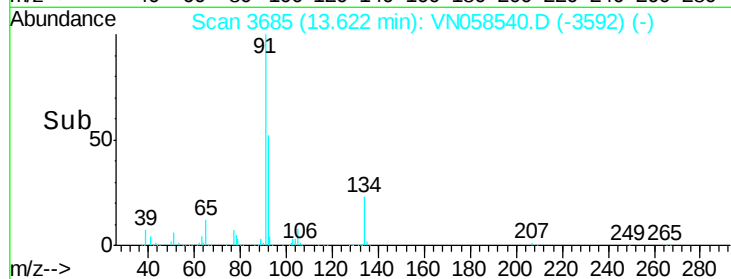
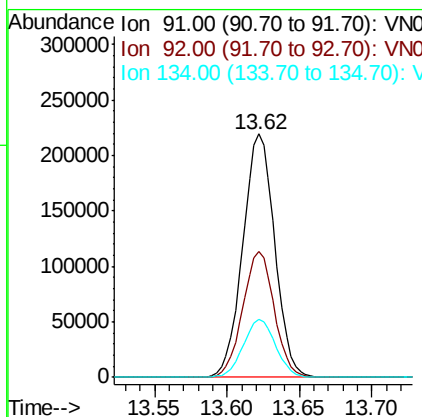
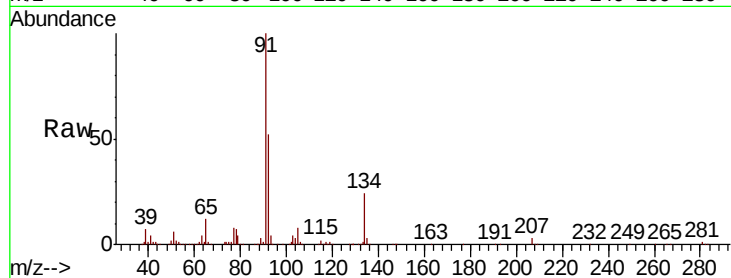
#89
n-Butylbenzene
Concen: 21.926 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.1
134	24.3	12.2	36.6

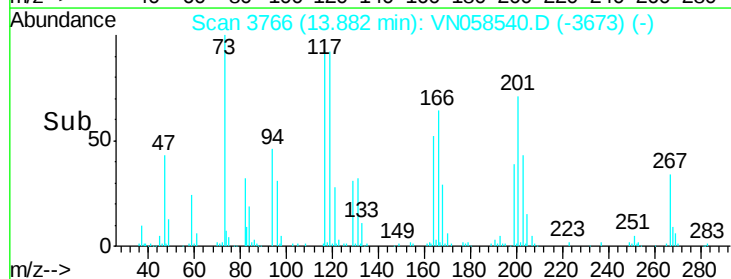
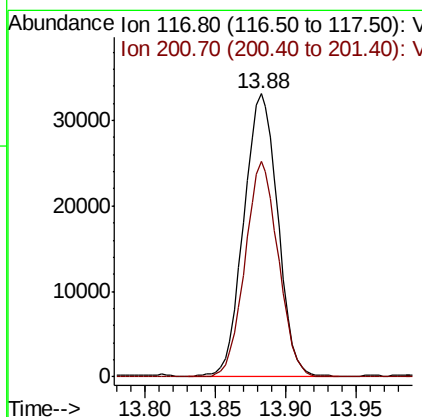
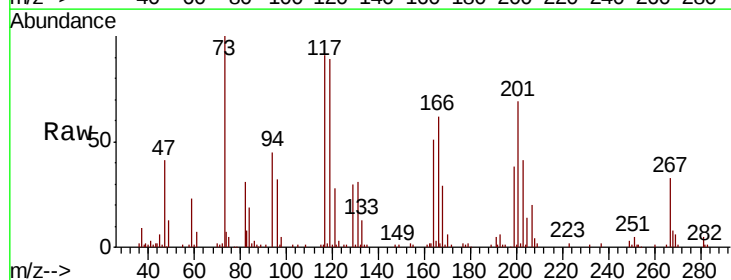
Manual Integrations
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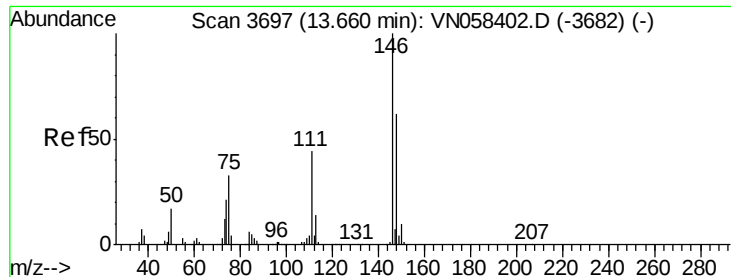
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#90
Hexachloroethane
Concen: 22.096 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.6	116.0





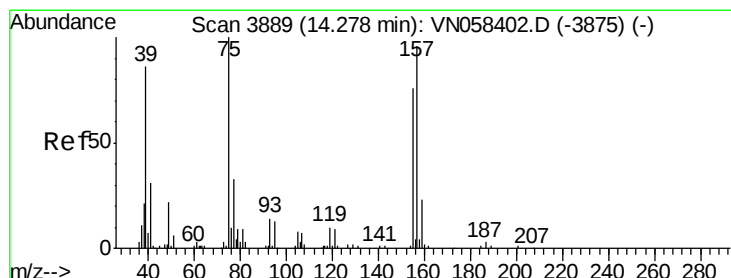
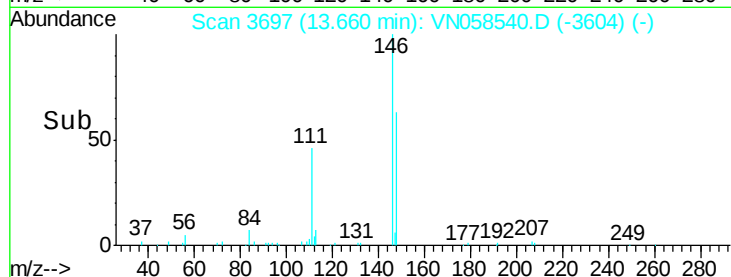
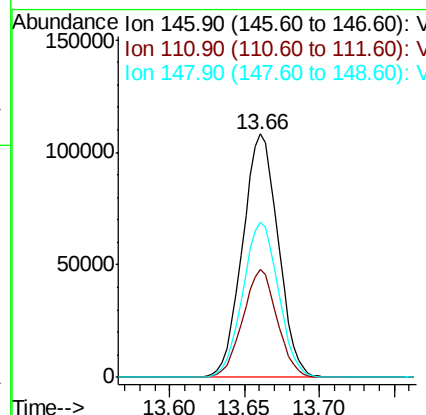
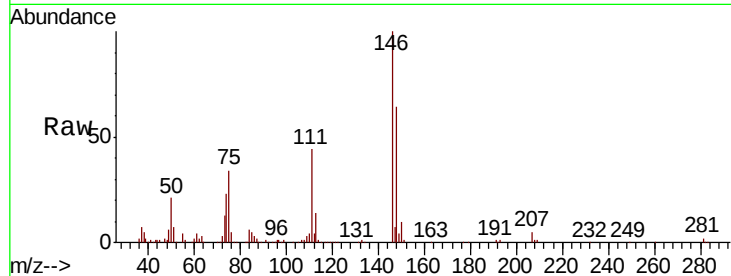
#91
 1,2-Dichlorobenzene
 Concen: 21.292 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.5	94.5

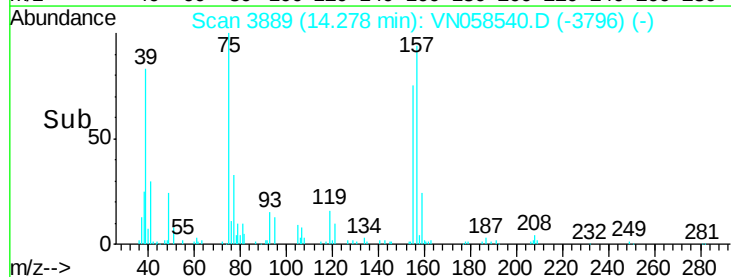
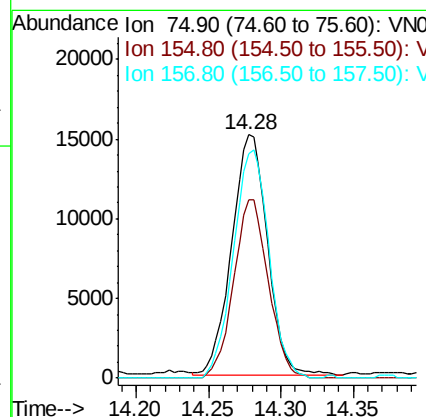
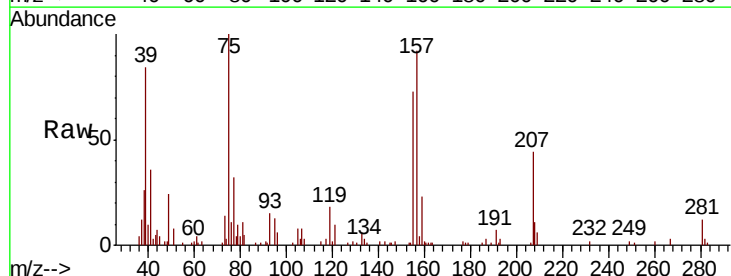
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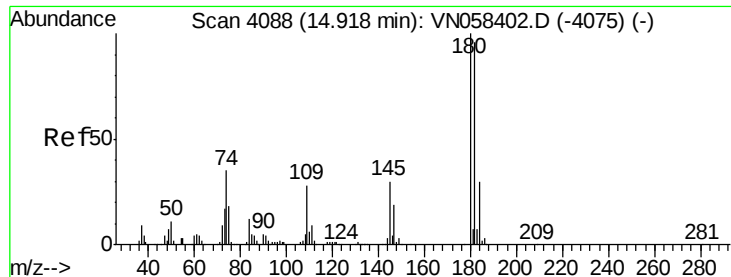
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.925 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	39.2	117.6
157	94.5	48.7	146.1





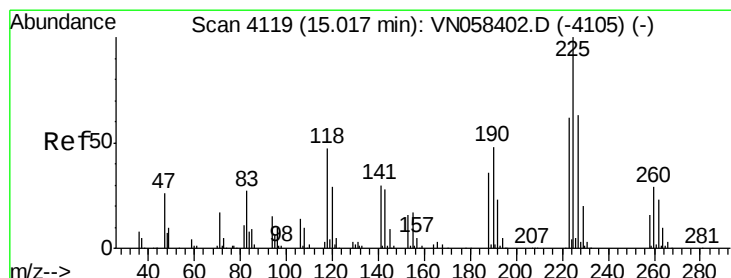
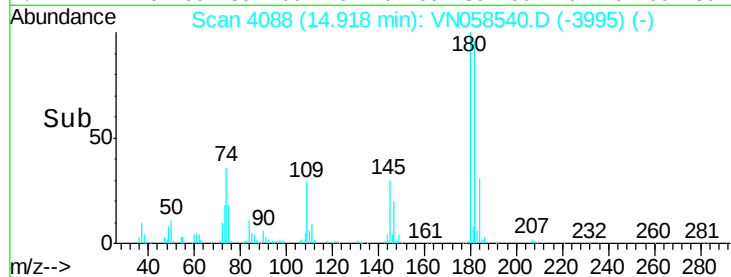
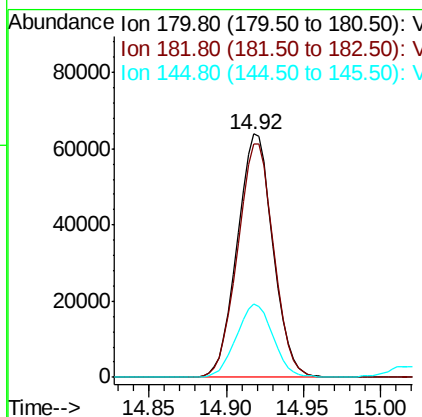
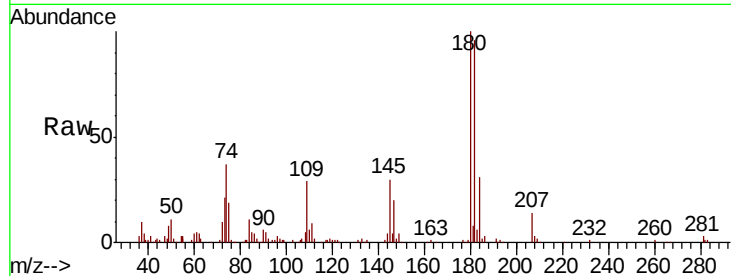
#93
 1,2,4-Trichlorobenzene
 Concen: 22.003 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102665		
182	96.8	47.4	142.3	
145	30.9	15.3	45.9	

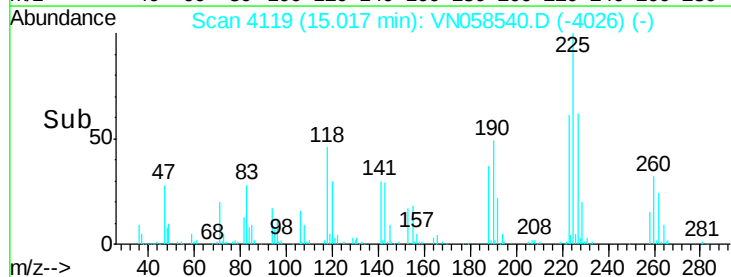
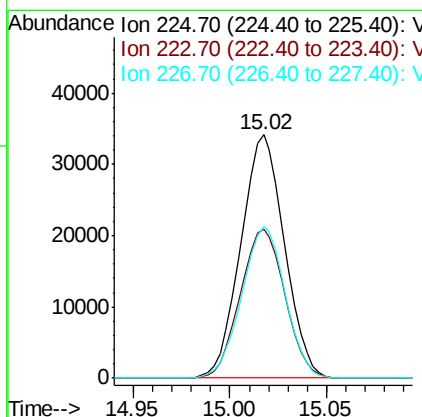
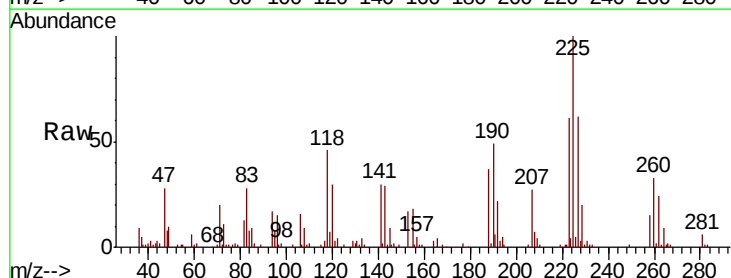
Manual Integrations
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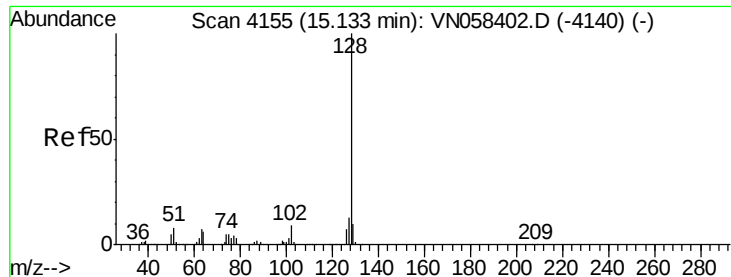
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#94
 Hexachlorobutadiene
 Concen: 22.335 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53564		
223	62.5	31.1	93.5	
227	62.1	31.4	94.2	





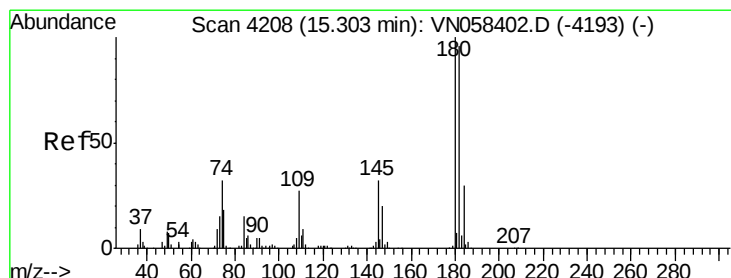
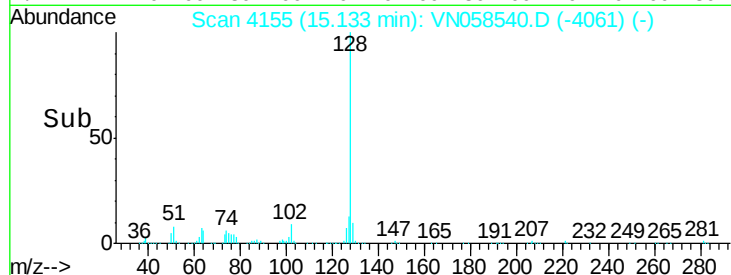
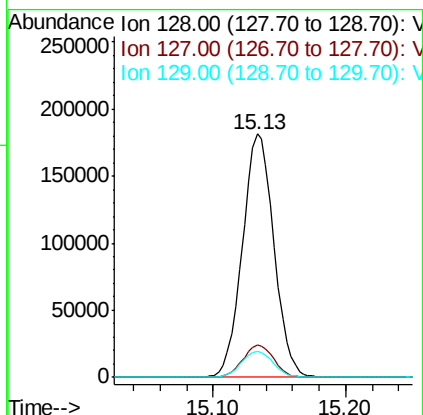
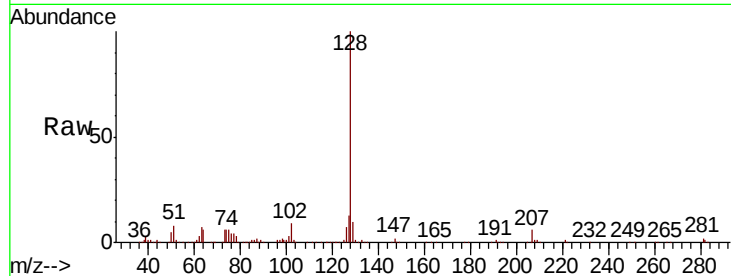
#95
Naphthalene
Concen: 21.865 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.459 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	31.7	16.1	48.3

