

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110519\
 Data File : VN059089.D
 Acq On : 5 Nov 2019 13:58
 Operator : JC/SP
 Sample : VN1105WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Manual Integrations
 APPROVED

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 11/6/2019 1:56:25 PM

Quant Time: Nov 06 01:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	499099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	709156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	327052	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.57	113	251129	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.08	98	980994	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	342047	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106153	19.672	ug/l	98
3) Chloromethane	2.04	50	140424	19.191	ug/l	98
4) Vinyl Chloride	2.17	62	139586	19.653	ug/l	97
5) Bromomethane	2.55	94	80240	19.109	ug/l	99
6) Chloroethane	2.69	64	82773	19.029	ug/l	100
7) Trichlorofluoromethane	3.00	101	169784	20.117	ug/l	100
8) Diethyl Ether	3.39	74	66745	20.251	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	102040	20.512	ug/l	99
10) Methyl Iodide	3.93	142	122714	20.296	ug/l	100
11) Tert butyl alcohol	4.75	59	110873	90.630	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98684	19.947	ug/l	98
13) Acrolein	3.58	56	70344	91.127	ug/l	99
14) Allyl chloride	4.30	41	195520m	19.945	ug/l	
15) Acrylonitrile	4.95	53	314854	102.598	ug/l	99
16) Acetone	3.79	43	339133	101.344	ug/l	100
17) Carbon Disulfide	4.03	76	295925	18.815	ug/l	99
18) Methyl Acetate	4.30	43	162305	19.145	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	340263	20.194	ug/l	99
20) Methylene Chloride	4.53	84	113341	19.347	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104030	19.587	ug/l	99
22) Diisopropyl ether	5.92	45	383929	20.561	ug/l	95
23) Vinyl Acetate	5.87	43	1592026	107.047	ug/l	100
24) 1,1-Dichloroethane	5.82	63	212239	19.881	ug/l	100
25) 2-Butanone	6.81	43	448476	100.649	ug/l	98
26) 2,2-Dichloropropane	6.80	77	179931	19.418	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	121969	20.395	ug/l	99
28) Bromochloromethane	7.17	49	65857	19.988	ug/l	97
29) Tetrahydrofuran	7.18	42	284653	101.224	ug/l	99
30) Chloroform	7.35	83	200769	19.667	ug/l	99
31) Cyclohexane	7.63	56	198958	19.539	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	171720	19.882	ug/l	98
36) 1,1-Dichloropropene	7.77	75	156361	20.195	ug/l	99
37) Ethyl Acetate	6.90	43	174678	20.305	ug/l	99
38) Carbon Tetrachloride	7.75	117	154145	20.428	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180262	20.142	ug/l	99
40) Benzene	8.02	78	465107	20.241	ug/l	99
41) Methacrylonitrile	7.15	41	78815	21.187	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	159967	20.046	ug/l	100
43) Isopropyl Acetate	8.14	43	270537	20.109	ug/l	100
44) Trichloroethene	8.82	130	113266	20.035	ug/l	99
45) 1,2-Dichloropropane	9.10	63	125743	20.235	ug/l	100
46) Dibromomethane	9.19	93	77113	20.078	ug/l	99
47) Bromodichloromethane	9.39	83	156843	20.164	ug/l	98
48) Methyl methacrylate	9.18	41	120575	19.656	ug/l	99
49) 1,4-Dioxane	9.18	88	38386	383.621	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	854221	109.302	ug/l	98
52) Toluene	10.15	92	282844	21.008	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	178655	19.863	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	194613	20.514	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	111014	20.241	ug/l	98
56) Ethyl methacrylate	10.42	69	168308	19.270	ug/l	99
57) 1,3-Dichloropropane	10.70	76	195284	20.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	357781	106.016	ug/l	99
59) 2-Hexanone	10.74	43	636070	107.132	ug/l	99
60) Dibromochloromethane	10.90	129	116493	19.709	ug/l	96
61) 1,2-Dibromoethane	11.00	107	113124	20.360	ug/l	100
64) Tetrachloroethene	10.63	164	100205	20.228	ug/l	99
65) Chlorobenzene	11.43	112	289867	19.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	107868	20.144	ug/l	99
67) Ethyl Benzene	11.51	91	520666	20.665	ug/l	99
68) m/p-Xylenes	11.62	106	385001	40.921	ug/l	98
69) o-Xylene	11.95	106	185577	20.656	ug/l	97
70) Styrene	11.96	104	293492	20.159	ug/l	100
71) Bromoform	12.13	173	83125	20.055	ug/l #	99
73) Isopropylbenzene	12.25	105	495245	20.858	ug/l	100
74) N-amyl acetate	12.07	43	209045	19.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168028	19.866	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	152939m	20.024	ug/l	
77) Bromobenzene	12.53	156	121291	20.430	ug/l	97
78) n-propylbenzene	12.59	91	580936	21.125	ug/l	100
79) 2-Chlorotoluene	12.68	91	346587	20.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	421020	20.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56336	18.909	ug/l	94
82) 4-Chlorotoluene	12.78	91	351265	20.156	ug/l	99
83) tert-Butylbenzene	12.99	119	352593	20.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	418271	21.331	ug/l	100
85) sec-Butylbenzene	13.18	105	478830	21.312	ug/l	99
86) p-Isopropyltoluene	13.29	119	425719	21.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	210330	19.939	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	205858	19.729	ug/l	99
89) n-Butylbenzene	13.62	91	361870	20.503	ug/l	100
90) Hexachloroethane	13.88	117	78868	19.587	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	207883	19.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34765	19.029	ug/l	96

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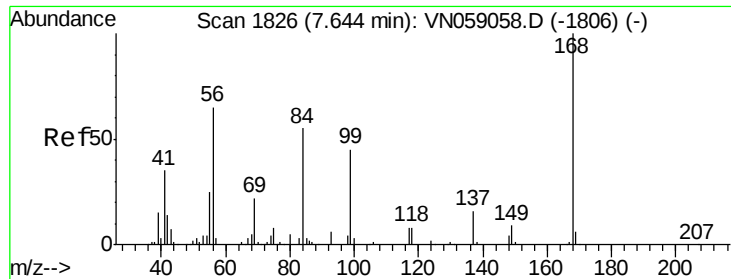
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111105	19.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	69486	20.451	ug/l	99
95) Naphthalene	15.13	128	302768	19.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	112818	19.581	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 168 Resp: 499099

Ion Ratio Lower Upper

168 100

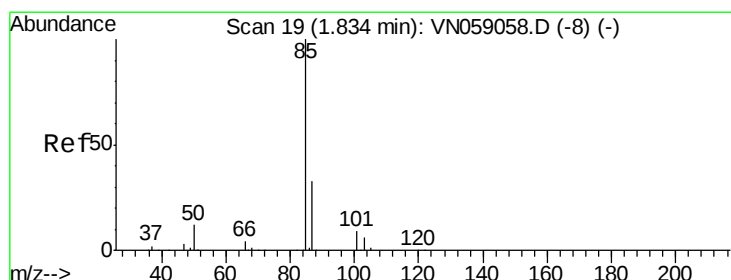
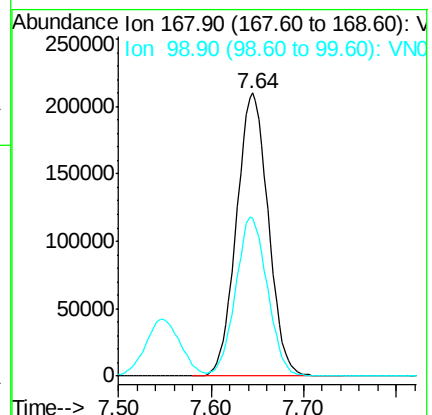
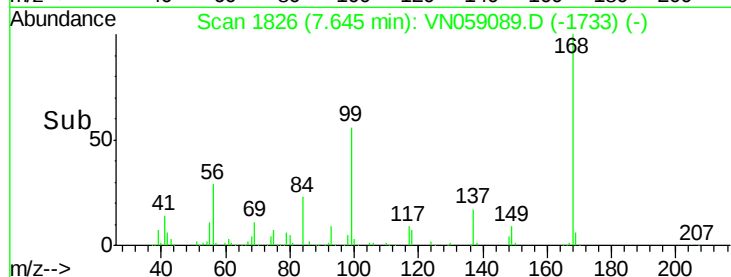
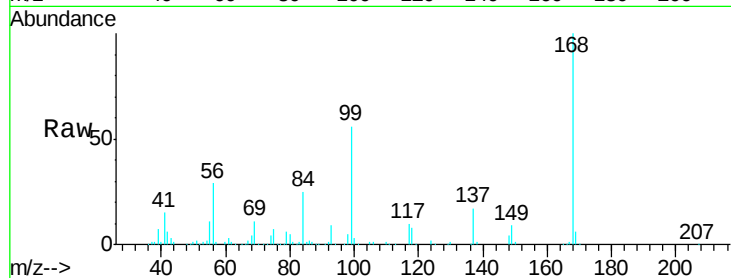
99 55.8 44.1 66.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.672 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059089.D

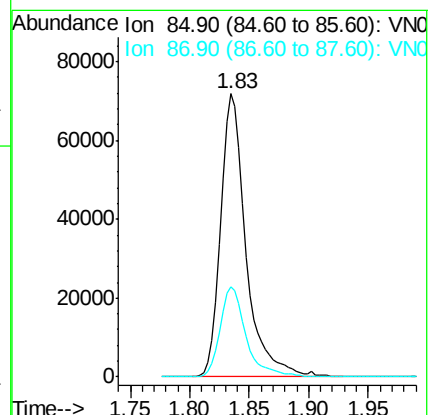
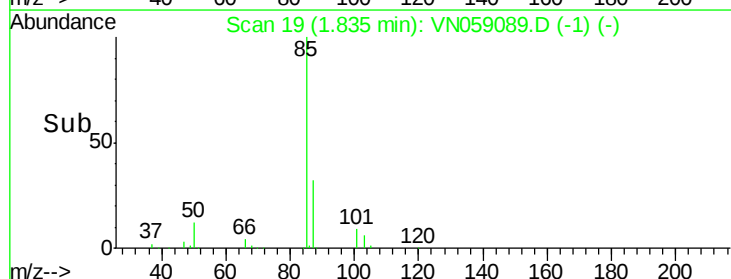
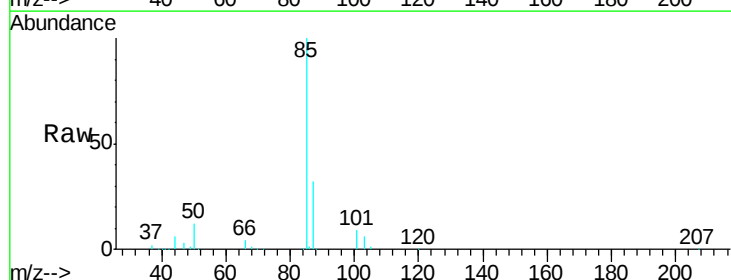
Acq: 5 Nov 2019 13:58

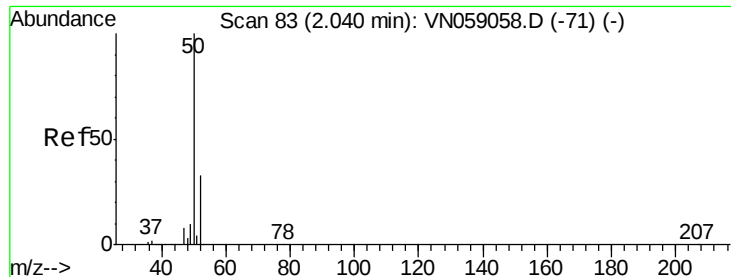
Tgt Ion: 85 Resp: 106153

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5





#3

Chloromethane

Concen: 19.191 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 50 Resp: 140424

Ion Ratio Lower Upper

50 100

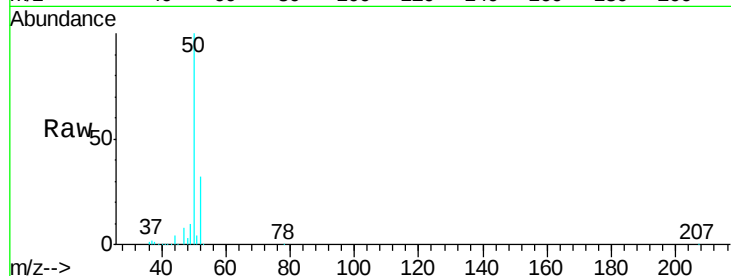
52 31.6 26.3 39.5

Manual Integrations

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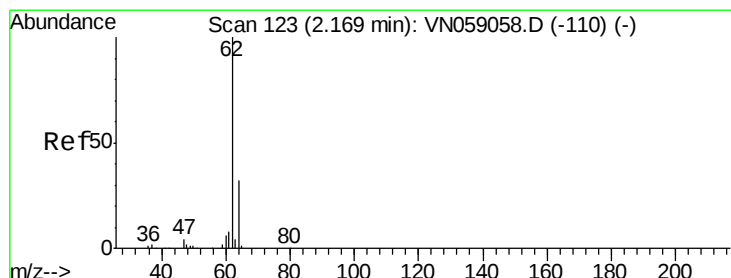
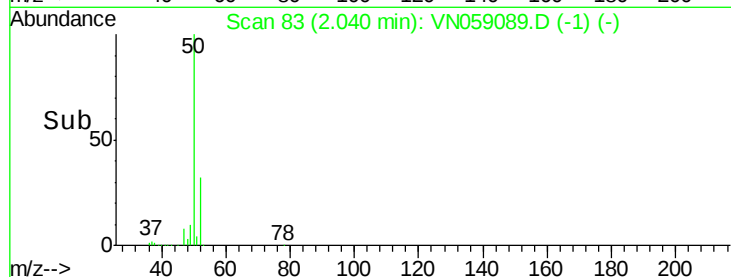
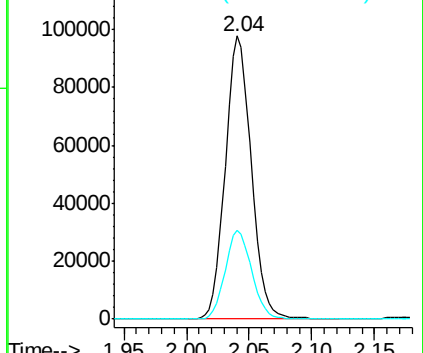
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.653 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059089.D

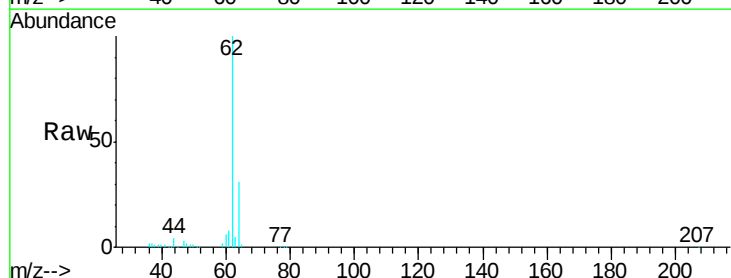
Acq: 5 Nov 2019 13:58

Tgt Ion: 62 Resp: 139586

Ion Ratio Lower Upper

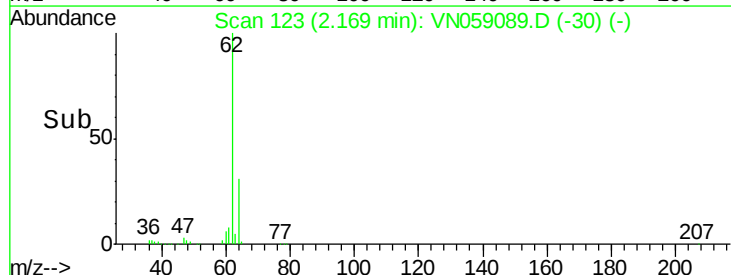
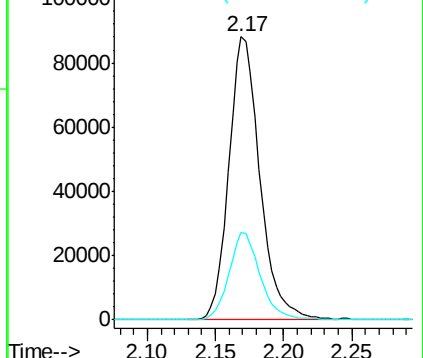
62 100

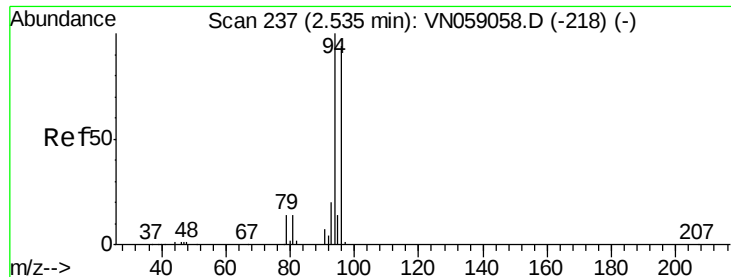
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.109 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 94 Resp: 80240

Ion Ratio Lower Upper

94 100

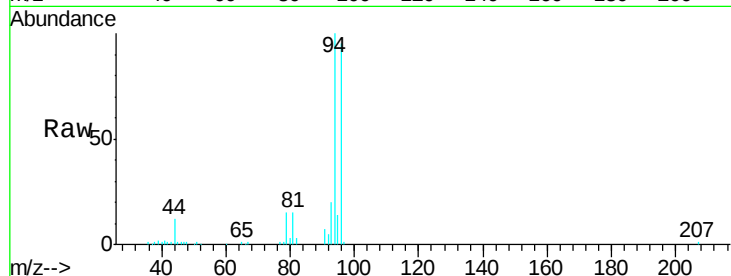
96 94.6 75.1 112.7

Manual Integrations

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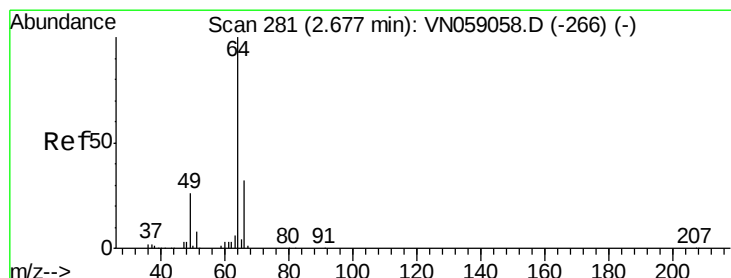
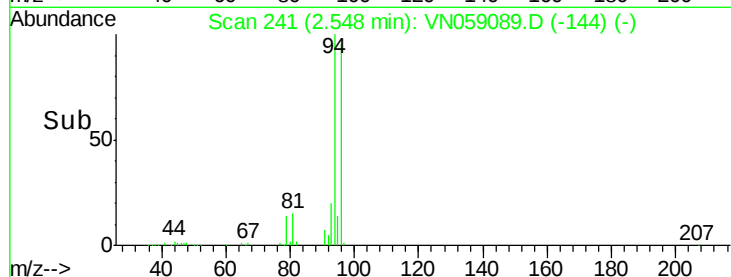
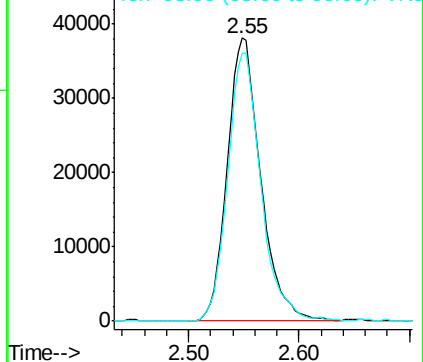
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.029 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059089.D

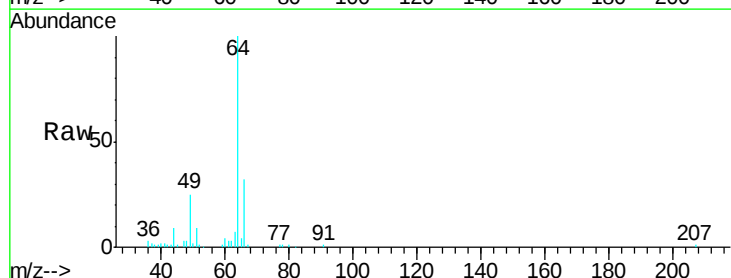
Acq: 5 Nov 2019 13:58

Tgt Ion: 64 Resp: 82773

Ion Ratio Lower Upper

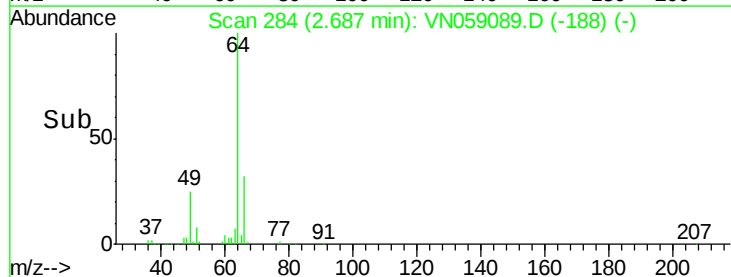
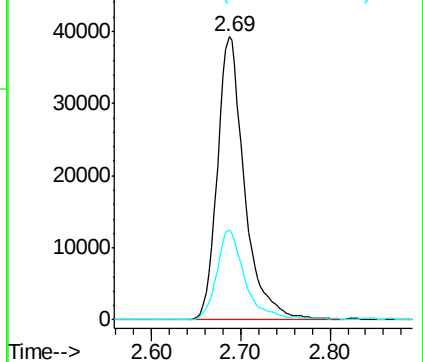
64 100

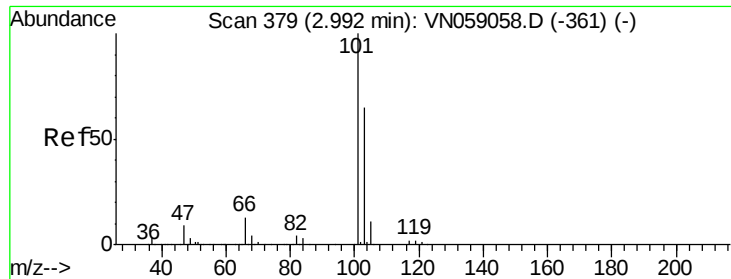
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

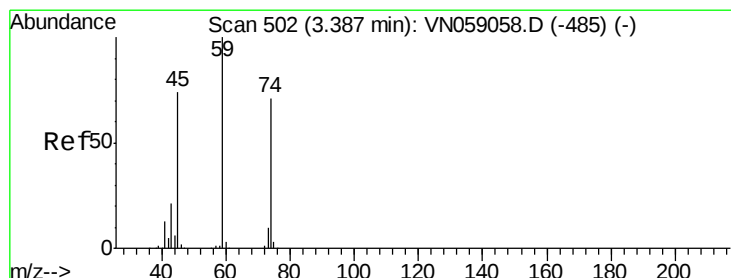
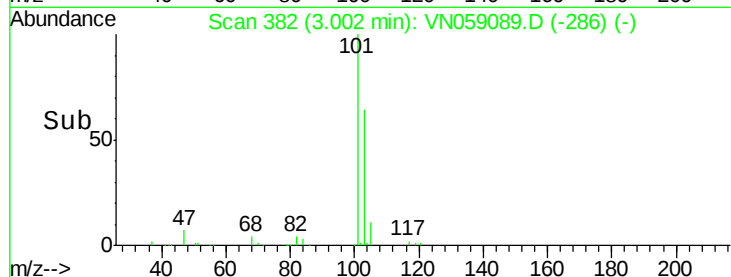
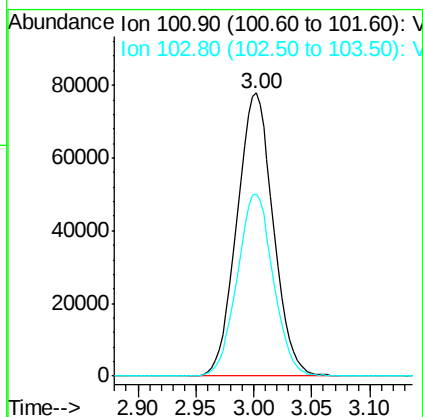
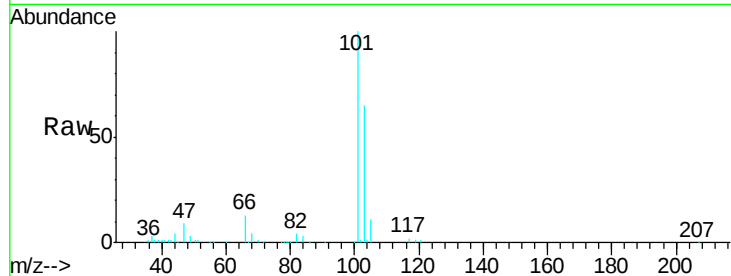
Trichlorofluoromethane
 Concen: 20.117 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
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 VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

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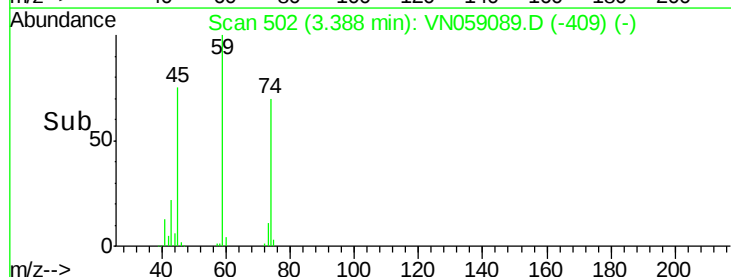
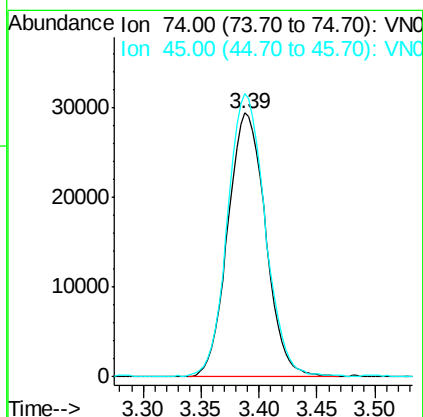
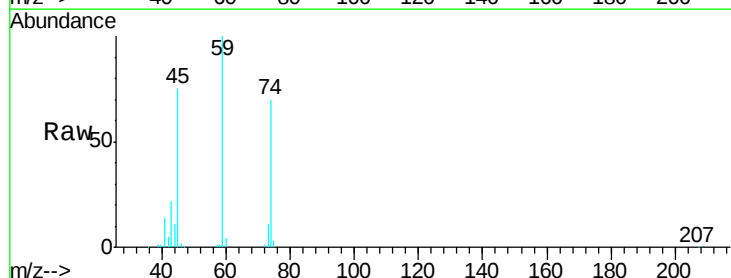
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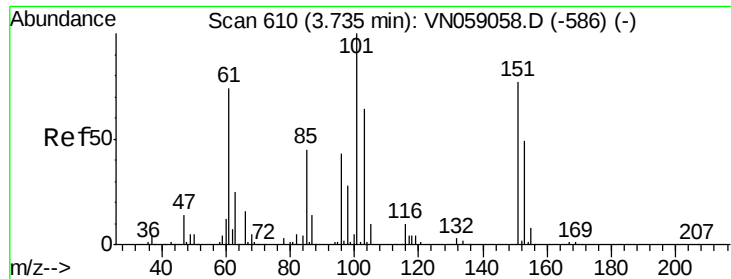


#8

Diethyl Ether
 Concen: 20.251 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.512 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

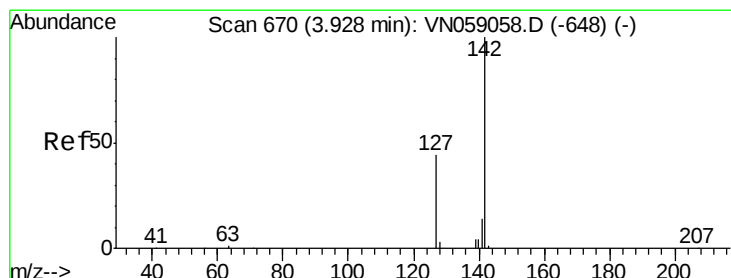
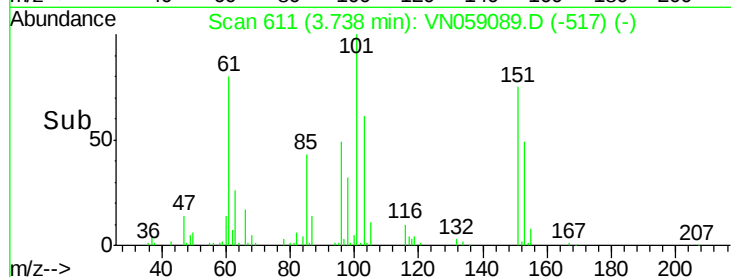
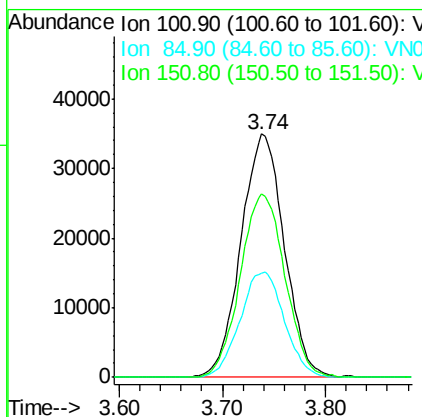
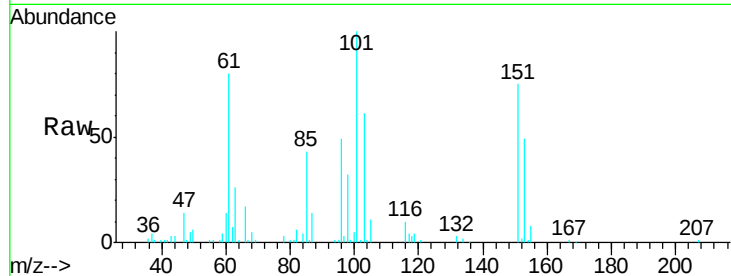
ClientSampleId :

VN1105WBSD01

Tgt Ion:	101	Resp:	102040
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.6
151	77.7	61.3	91.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.296 ug/l

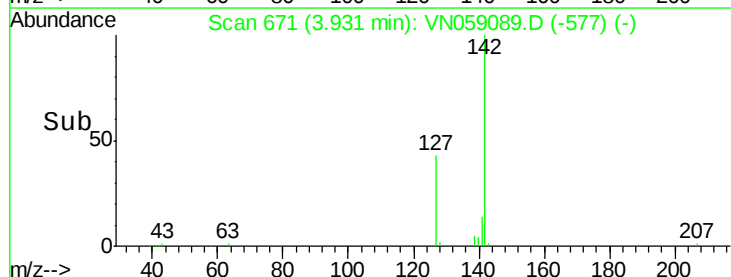
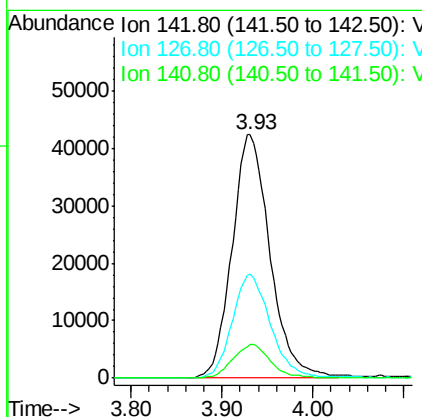
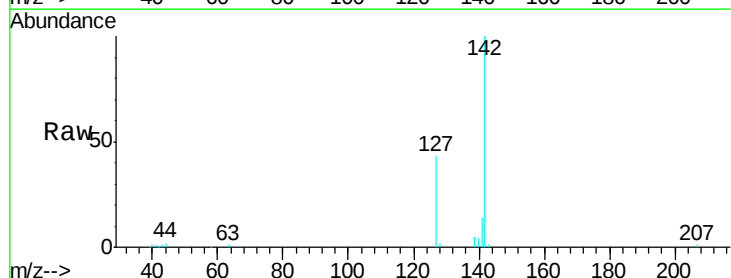
RT: 3.93 min Scan# 671

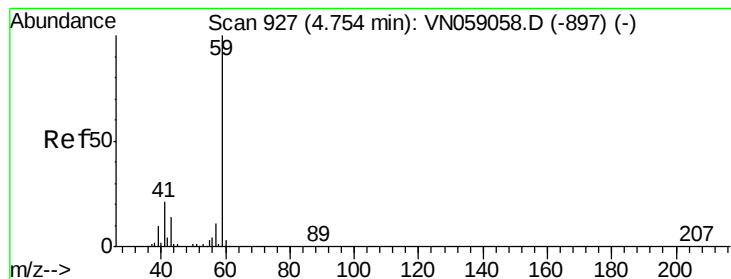
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	142	Resp:	122714
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.2	51.2
141	13.6	11.1	16.7





#11

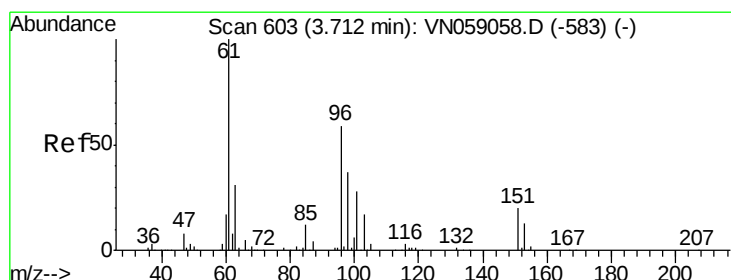
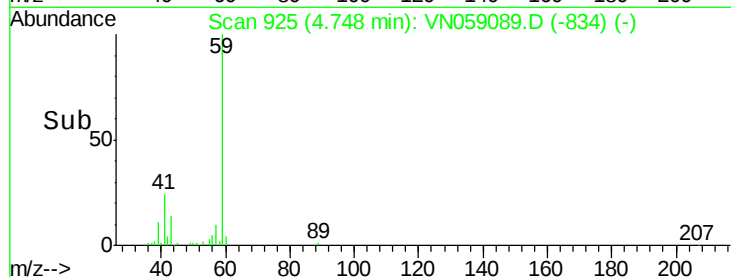
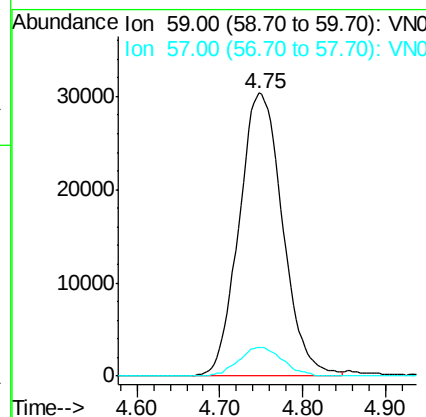
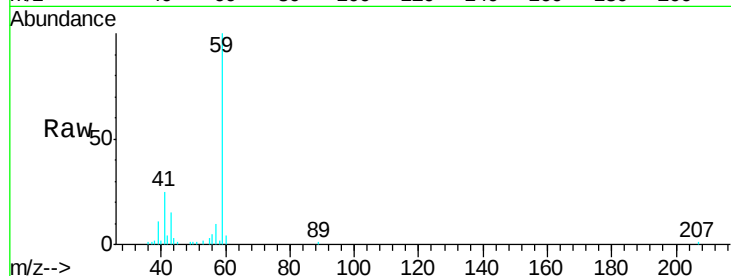
Tert butyl alcohol
 Concen: 90.630 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion: 59 Resp: 110873
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

Manual Integrations
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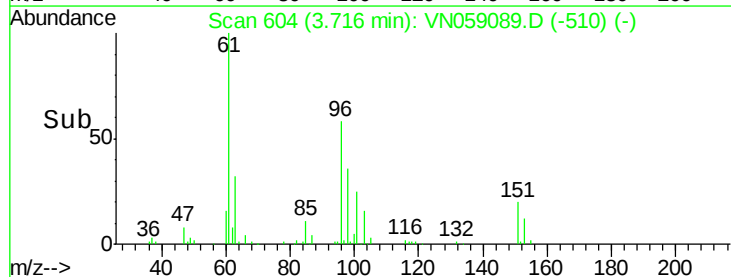
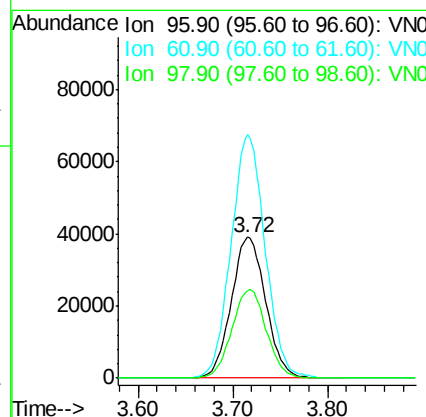
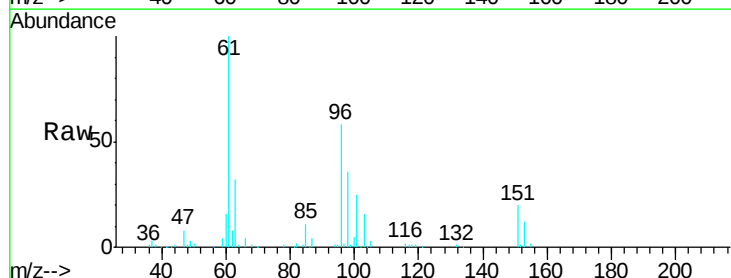
MMDadoda
 11/6/2019 1:56:25 PM

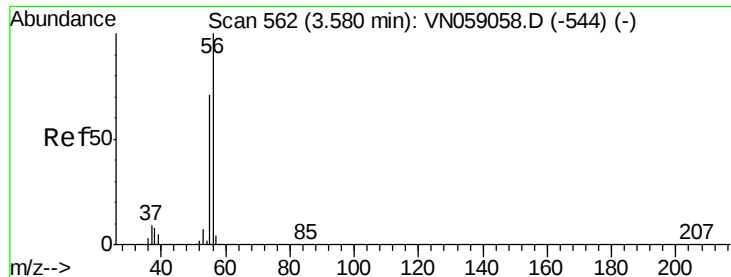


#12

1,1-Dichloroethene
 Concen: 19.947 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 96 Resp: 98684
 Ion Ratio Lower Upper
 96 100
 61 172.7 135.3 202.9
 98 62.3 49.4 74.2





#13

Acrolein

Concen: 91.127 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 56 Resp: 70344

Ion Ratio Lower Upper

56 100

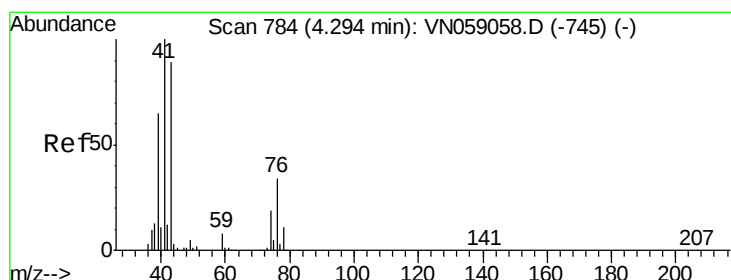
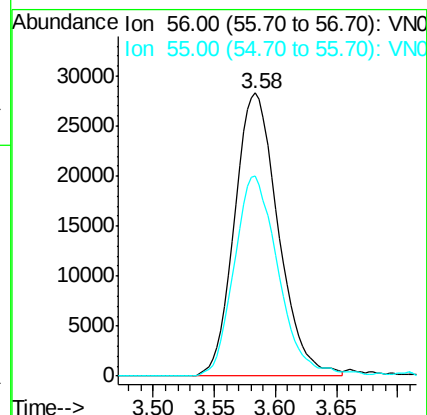
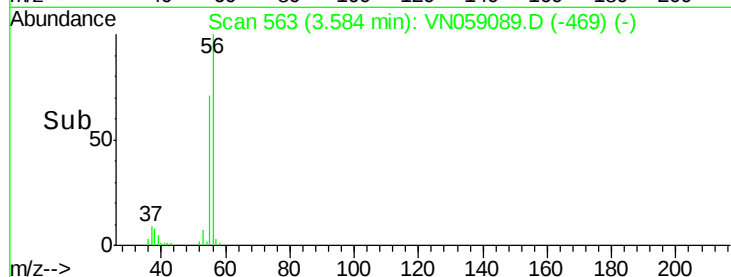
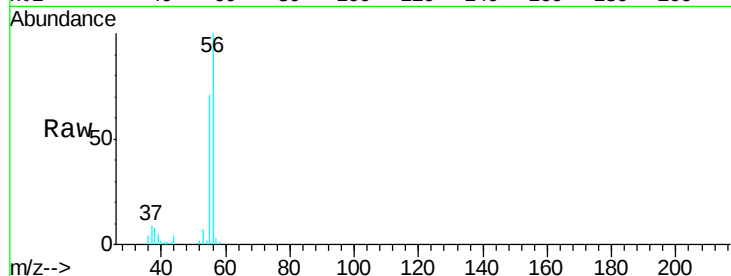
55 71.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.945 ug/l m

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

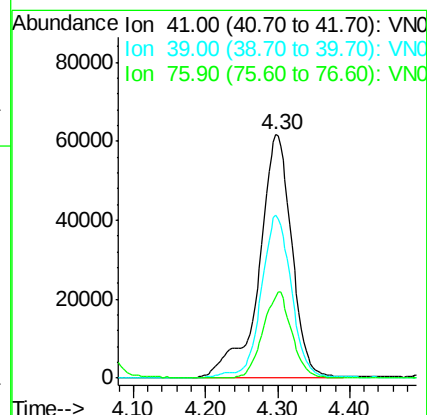
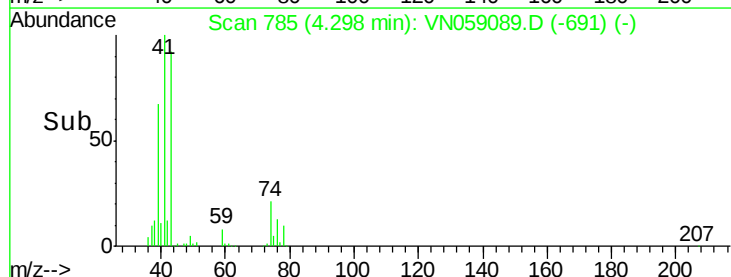
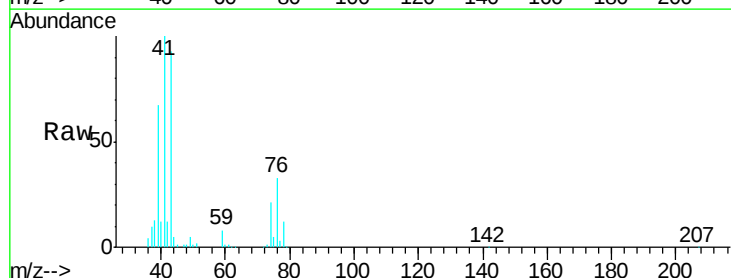
Tgt Ion: 41 Resp: 195520

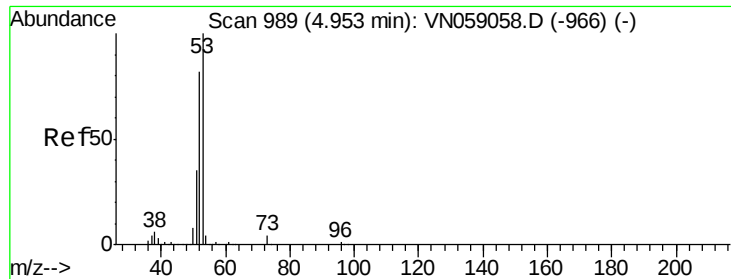
Ion Ratio Lower Upper

41 100

39 59.6 49.4 74.2

76 30.8 24.6 37.0





#15

Acrylonitrile

Concen: 102.598 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

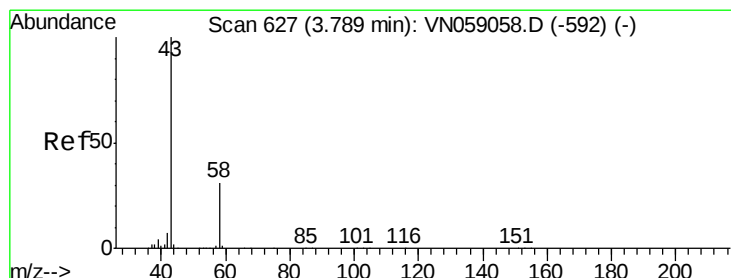
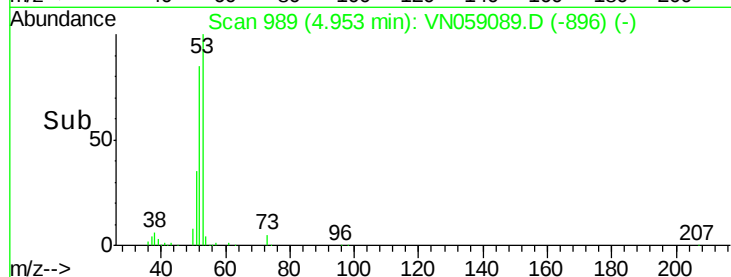
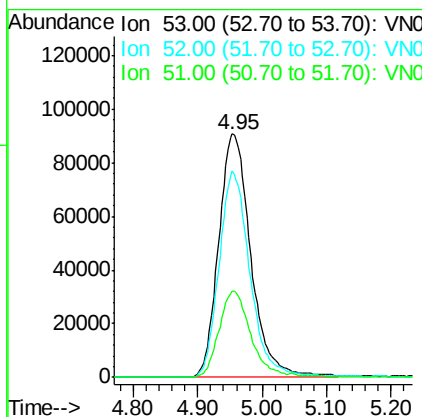
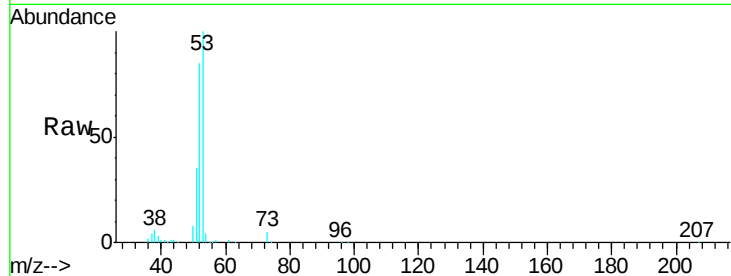
ClientSampleId :

VN1105WBSD01

Tgt Ion:	53	Resp:	314854
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.0	99.0
51	34.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 101.344 ug/l

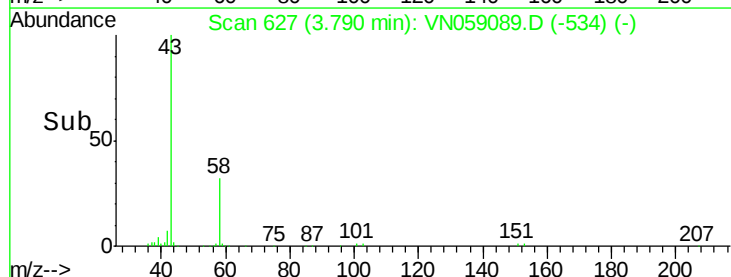
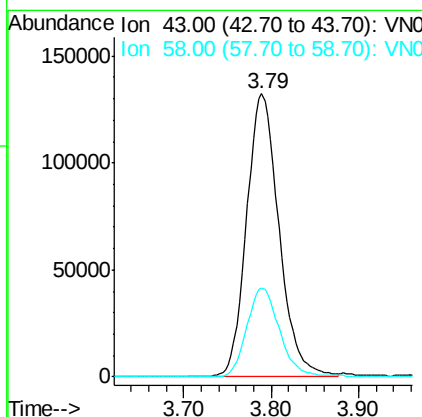
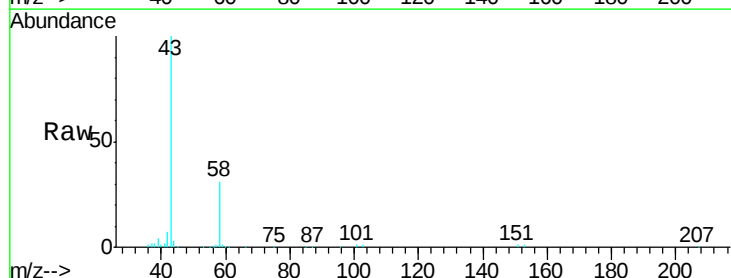
RT: 3.79 min Scan# 627

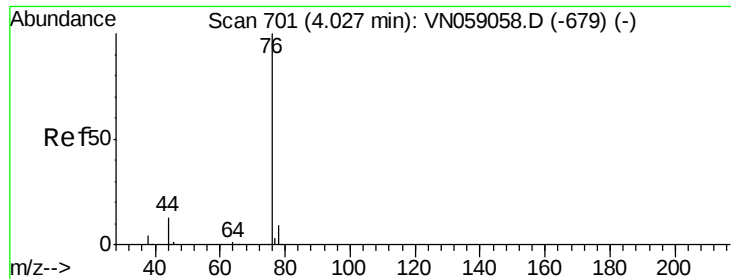
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	43	Resp:	339133
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.0	37.6





#17

Carbon Disulfide

Concen: 18.815 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 76 Resp: 295925

Ion Ratio Lower Upper

76 100

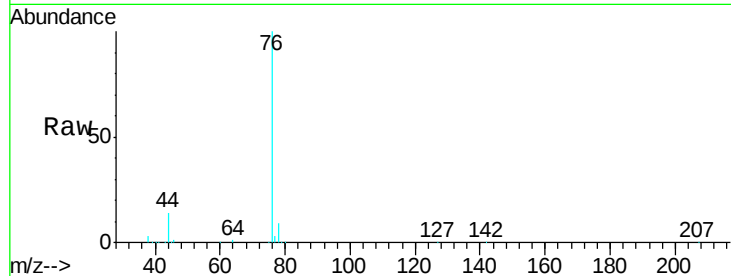
78 8.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.03

120000

100000

80000

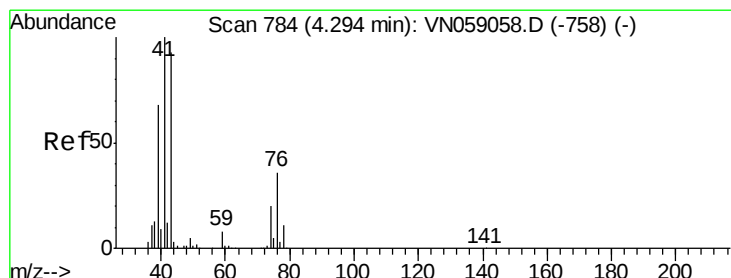
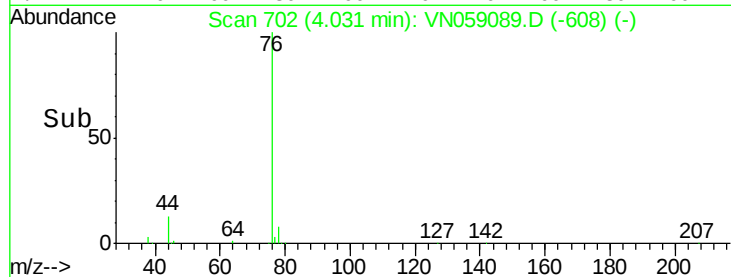
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.145 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059089.D

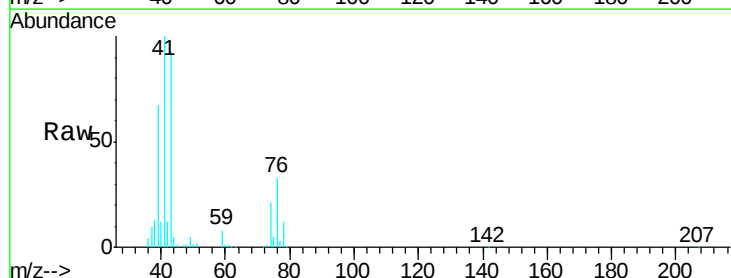
Acq: 5 Nov 2019 13:58

Tgt Ion: 43 Resp: 162305

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.30

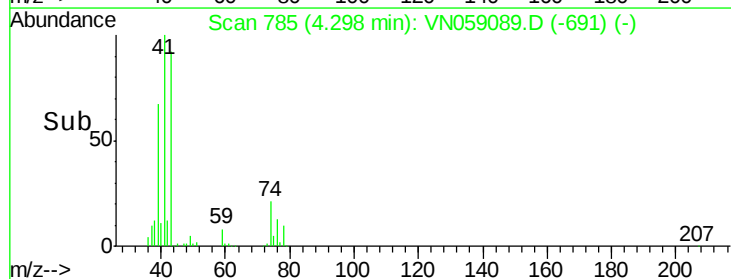
60000

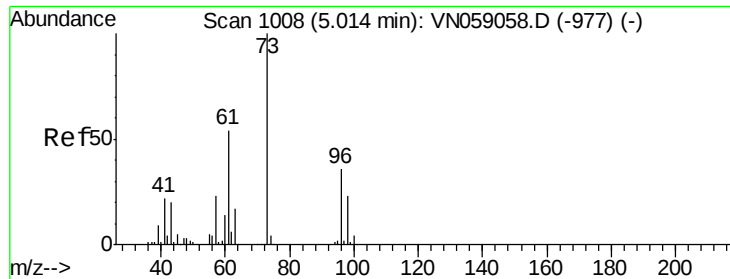
40000

20000

0

Time-->





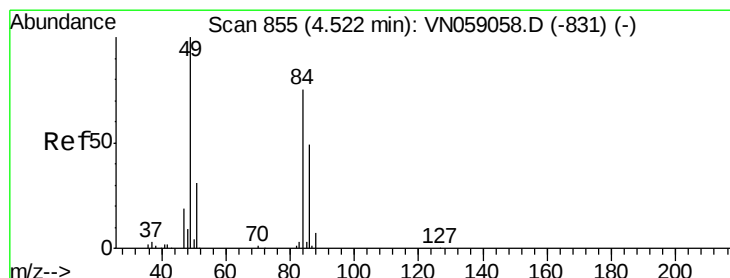
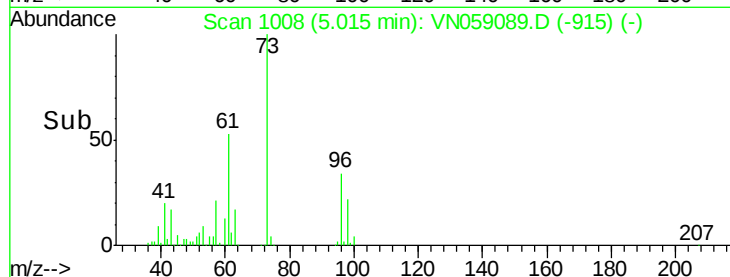
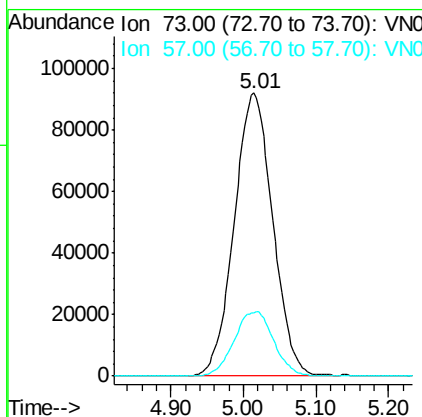
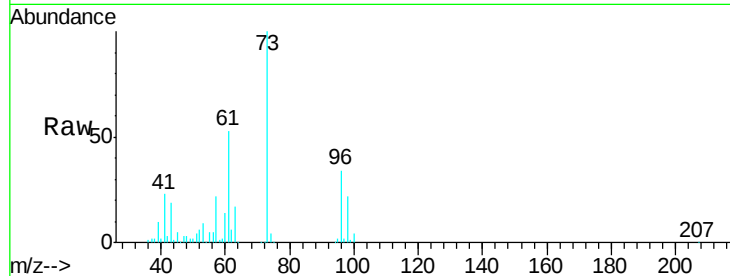
#19
Methyl tert-butyl Ether
Concen: 20.194 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion: 73 Resp: 340263
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

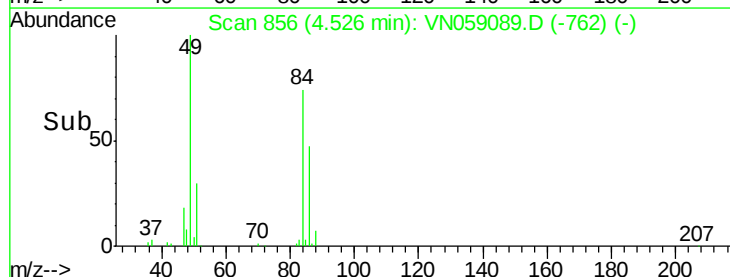
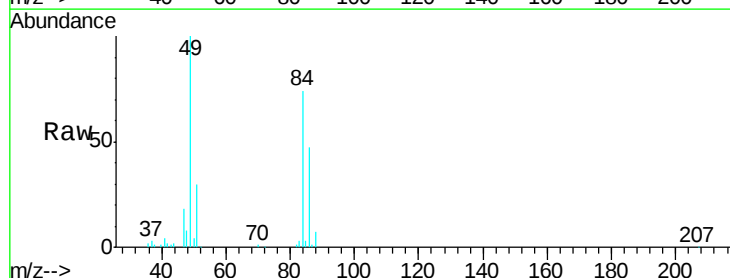
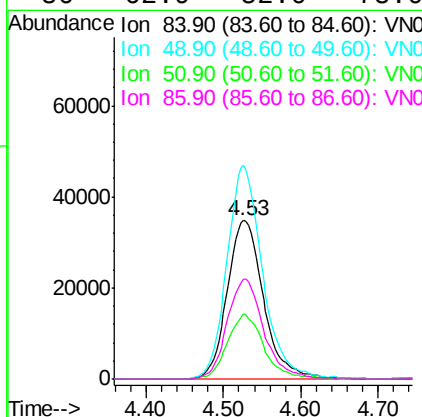
Manual Integrations
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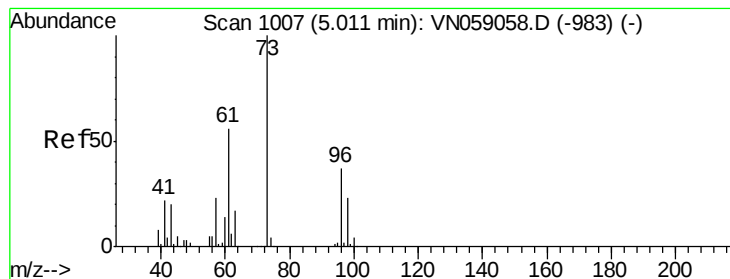
MMDadoda
11/6/2019 1:56:25 PM



#20
Methylene Chloride
Concen: 19.347 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 84 Resp: 113341
Ion Ratio Lower Upper
84 100
49 134.8 106.4 159.6
51 41.0 33.0 49.4
86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.587 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 96 Resp: 104030

Ion Ratio Lower Upper

96 100

61 153.5 121.7 182.5

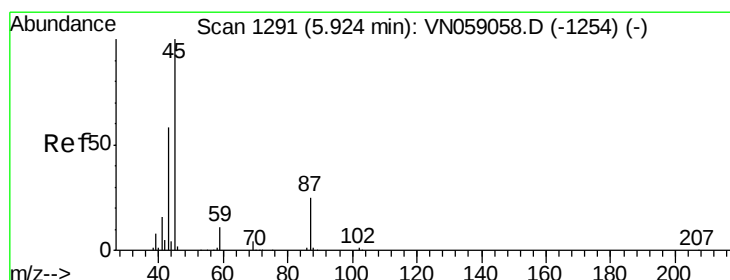
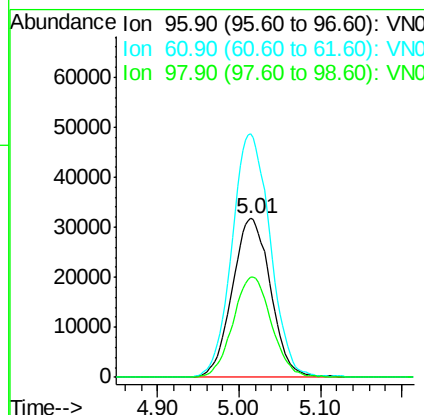
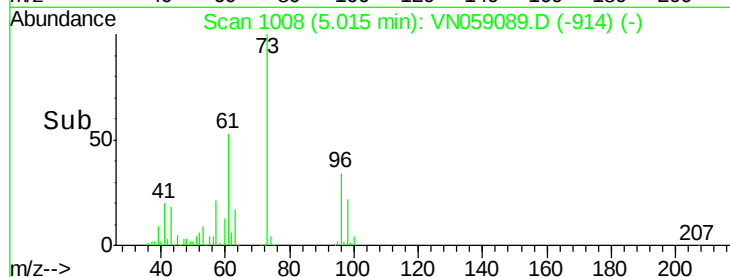
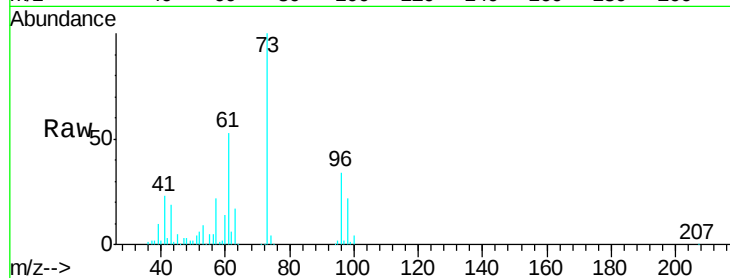
98 63.5 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.561 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion: 45 Resp: 383929

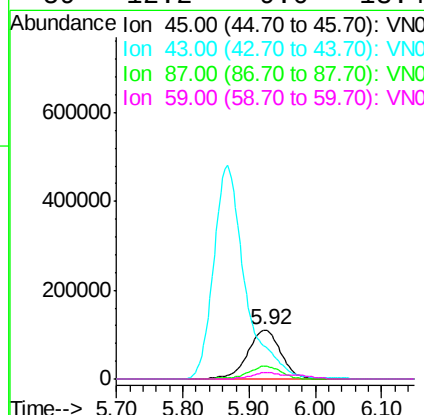
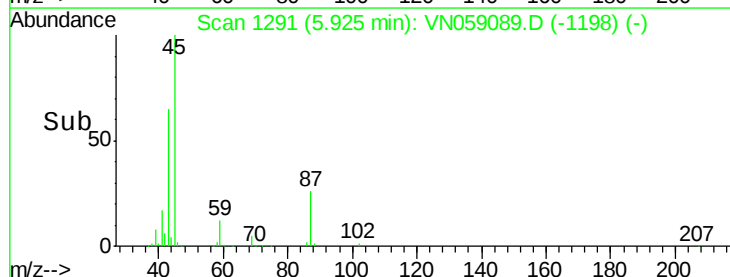
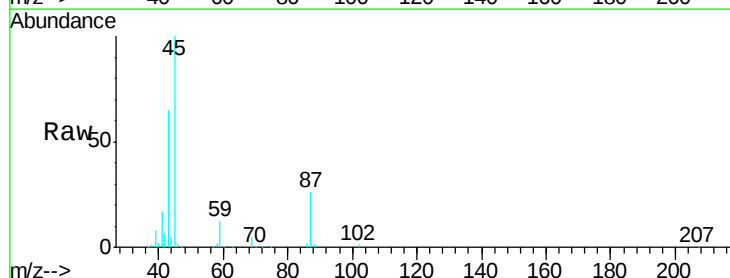
Ion Ratio Lower Upper

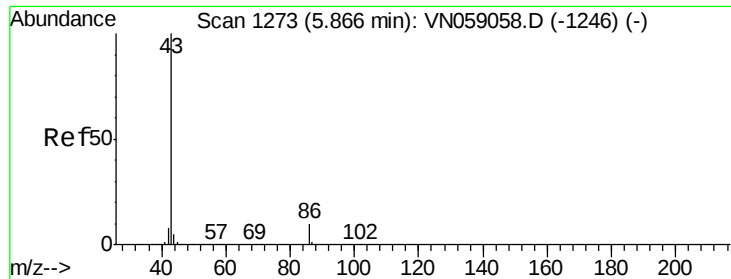
45 100

43 63.7 46.9 70.3

87 25.9 20.1 30.1

59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 107.047 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleID :

VN1105WBSD01

Tgt Ion: 43 Resp: 1592026

Ion Ratio Lower Upper

43 100

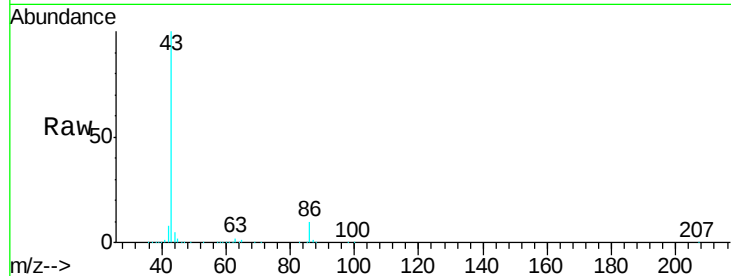
86 9.5 7.6 11.4

Manual Integrations

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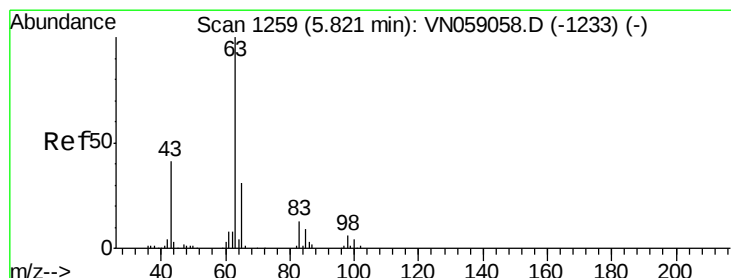
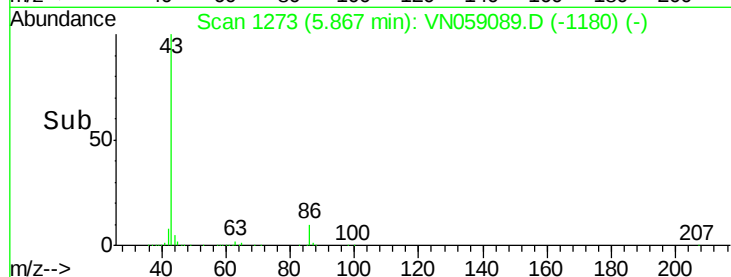
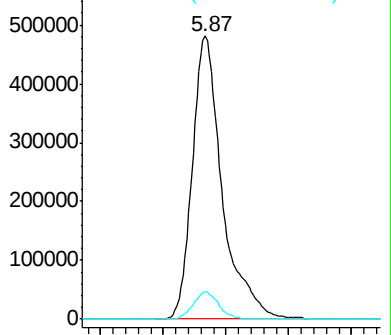
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

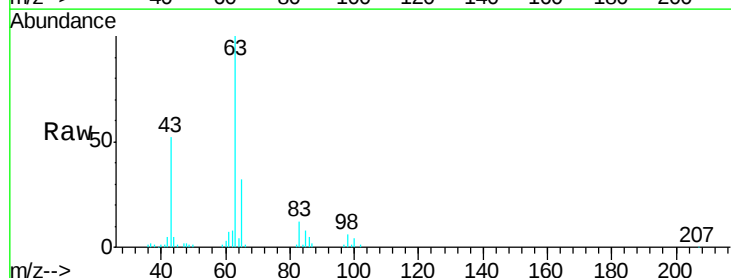
Tgt Ion: 63 Resp: 212239

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

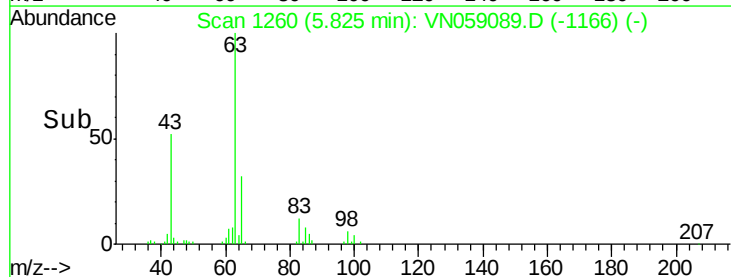
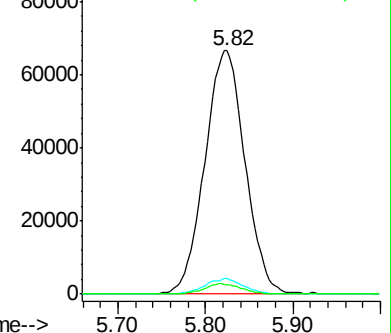
100 3.7 2.0 6.0

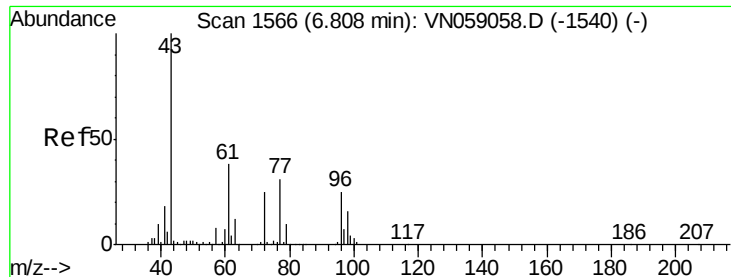


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.649 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 43 Resp: 448476

Ion Ratio Lower Upper

43 100

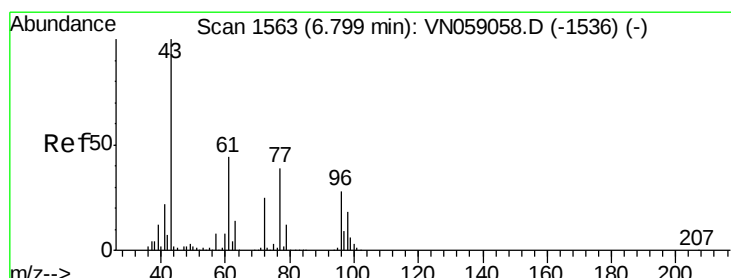
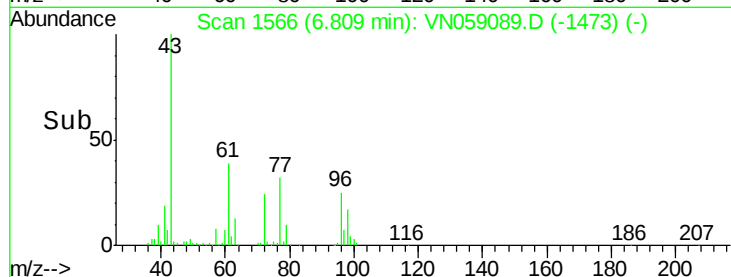
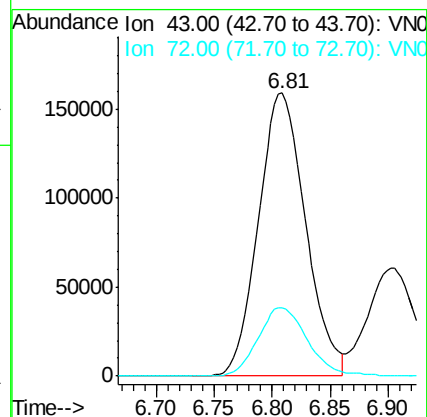
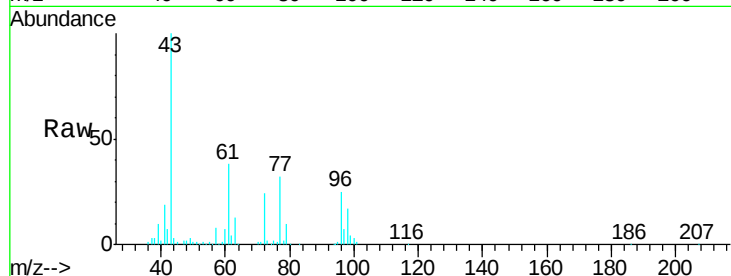
72 24.0 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.418 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059089.D

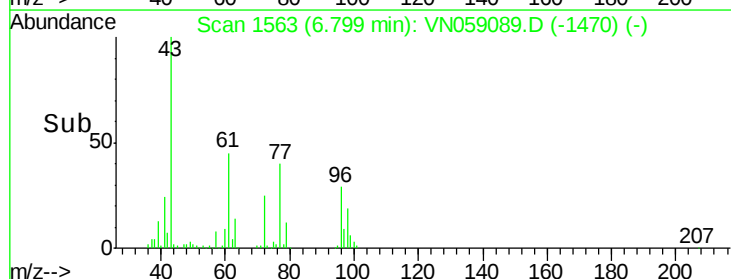
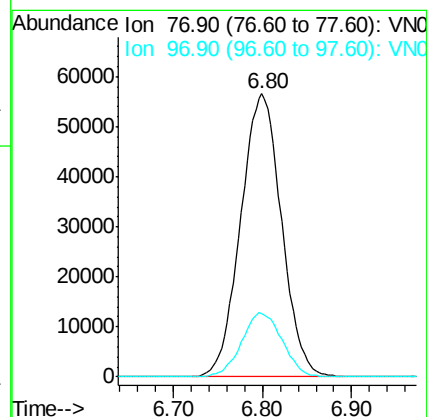
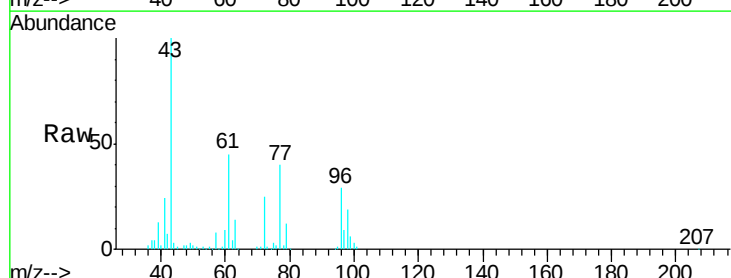
Acq: 5 Nov 2019 13:58

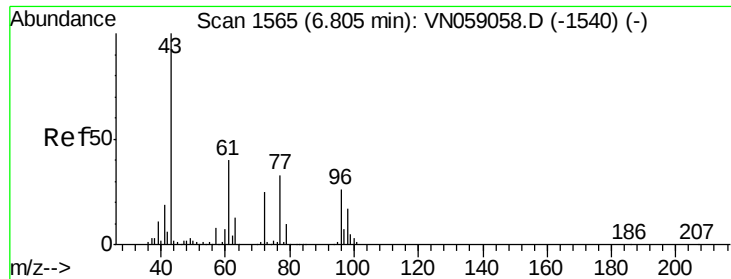
Tgt Ion: 77 Resp: 179931

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.395 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

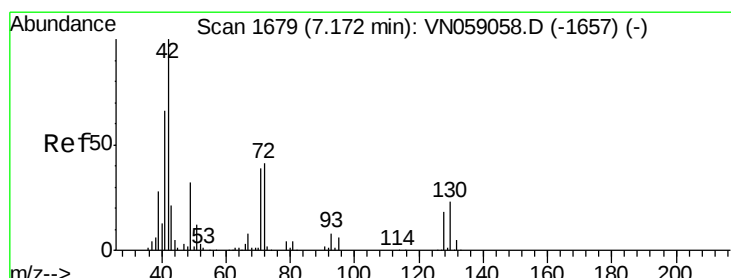
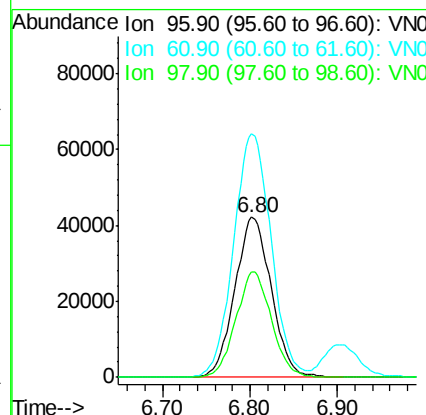
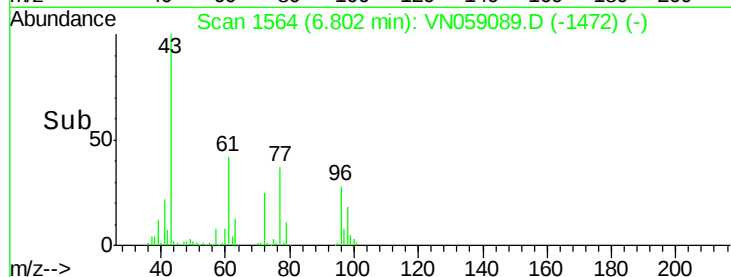
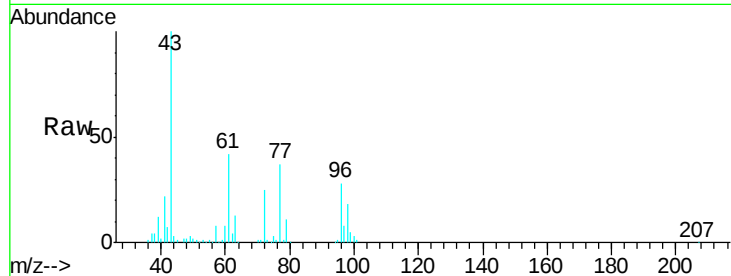
ClientSampleId :

VN1105WBSD01

Tgt Ion:	96	Resp:	121969
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	316.4
98	64.1	0.0	128.2

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#28

Bromochloromethane

Concen: 19.988 ug/l

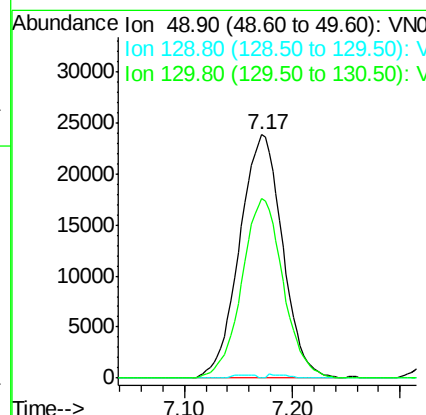
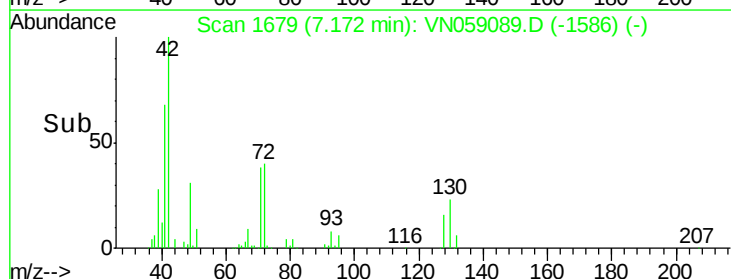
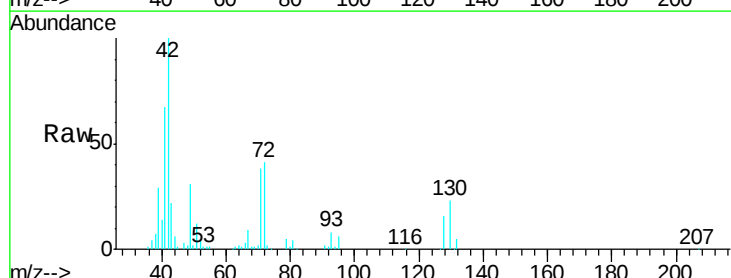
RT: 7.17 min Scan# 1679

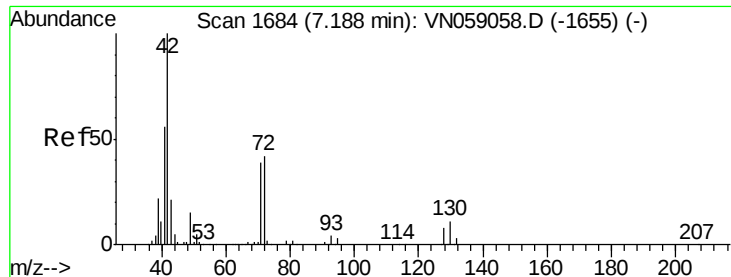
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	49	Resp:	65857
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	71.1	55.0	82.6





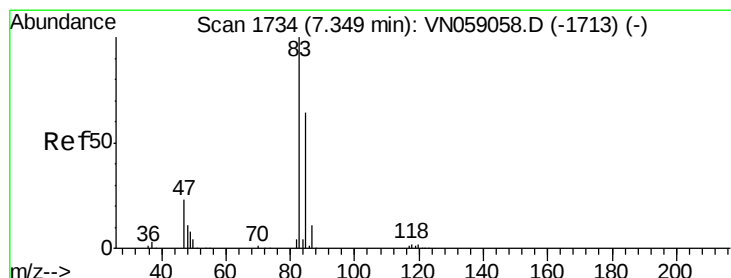
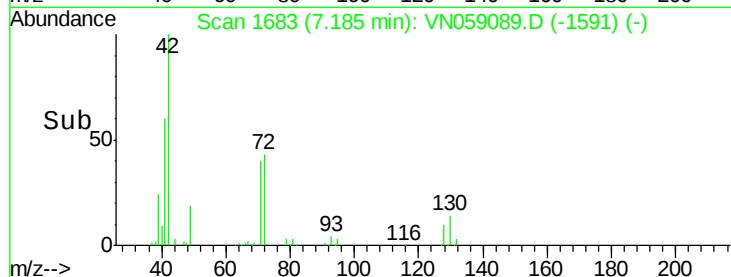
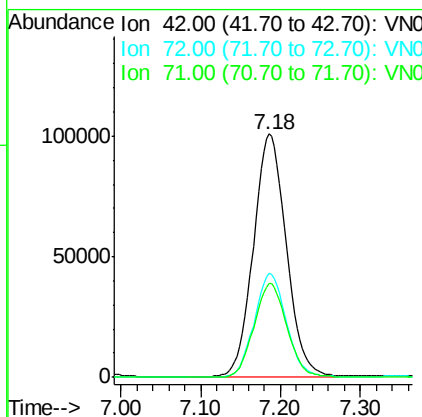
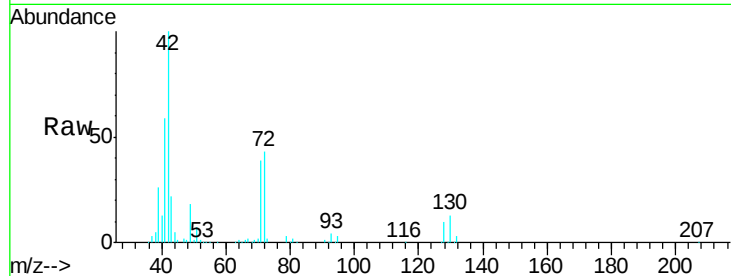
#29
Tetrahydrofuran
Concen: 101.224 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.7	49.1
71	38.6	31.2	46.8

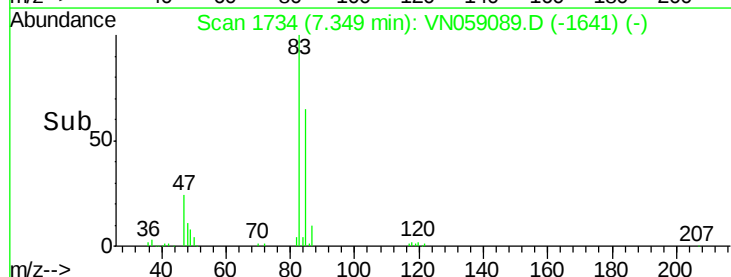
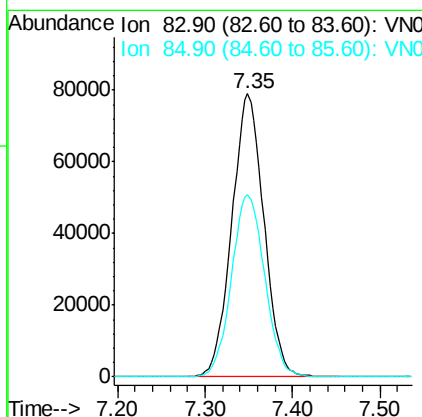
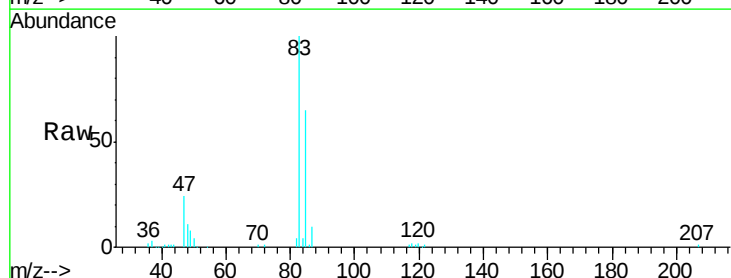
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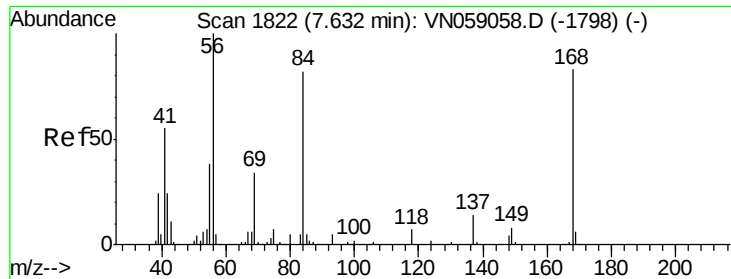
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#30
Chloroform
Concen: 19.667 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





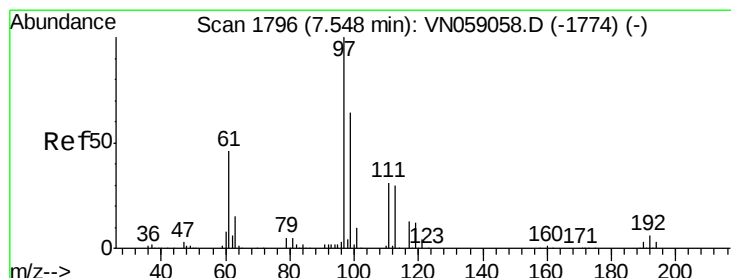
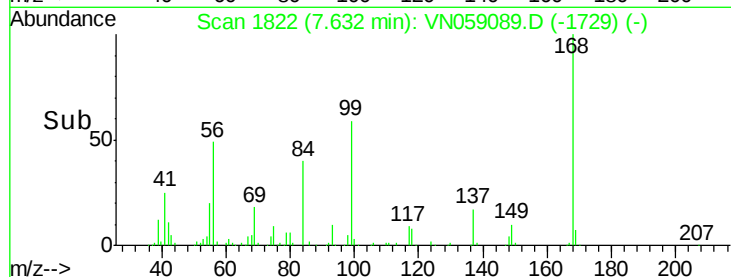
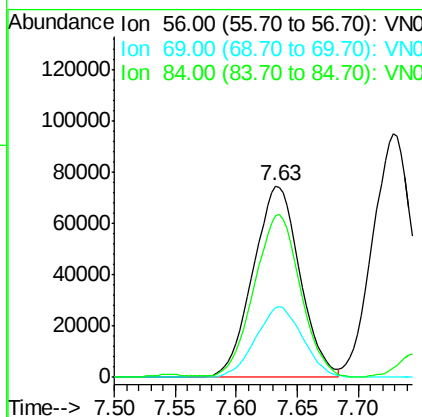
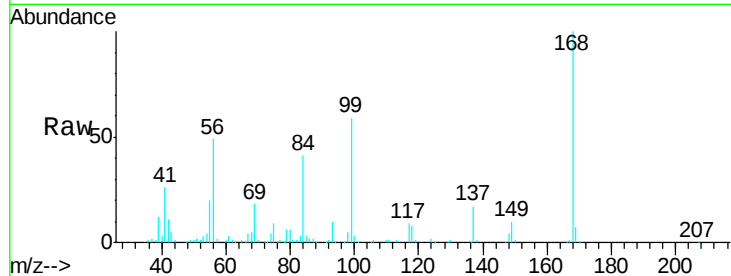
#31
Cyclohexane
Concen: 19.539 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.1	27.2	40.8
84	83.2	65.2	97.8

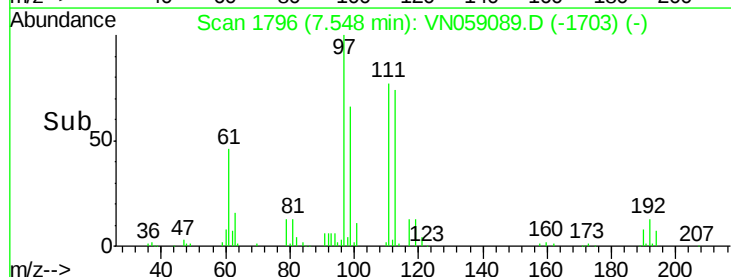
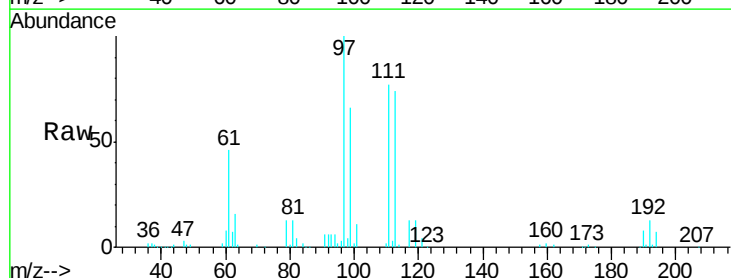
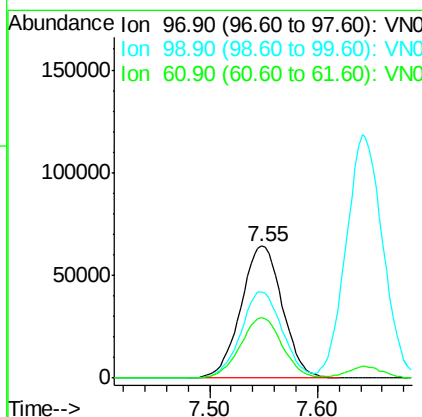
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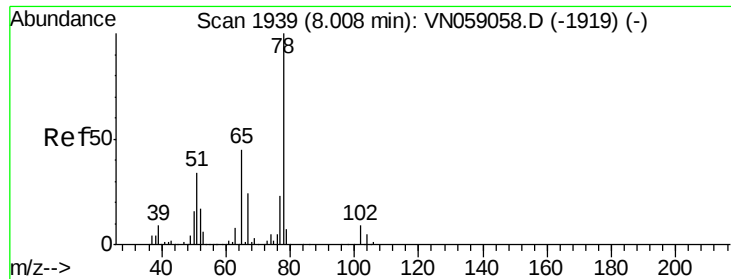
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#32
1,1,1-Trichloroethane
Concen: 19.882 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.7	76.1
61	46.1	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 49.479 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 65 Resp: 327052

Ion Ratio Lower Upper

65 100

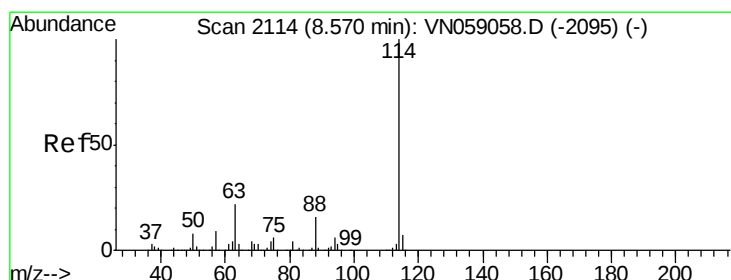
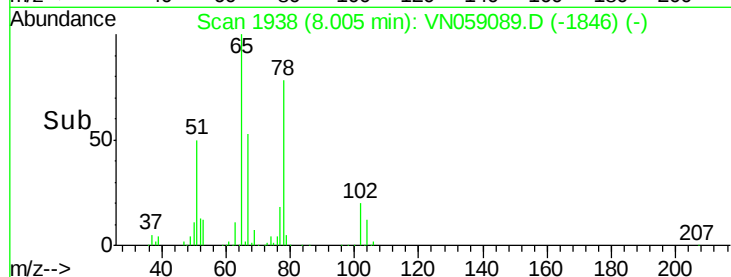
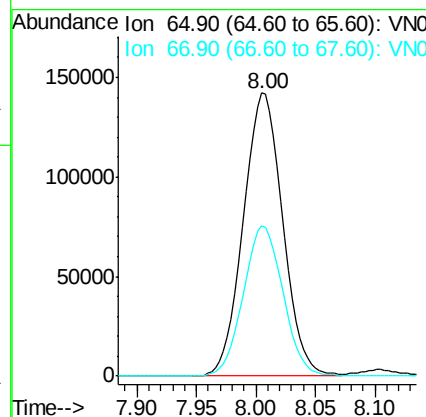
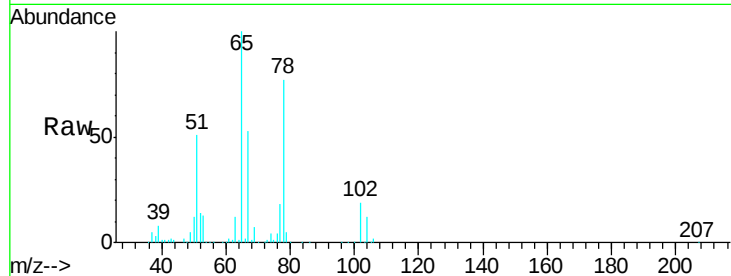
67 53.5 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

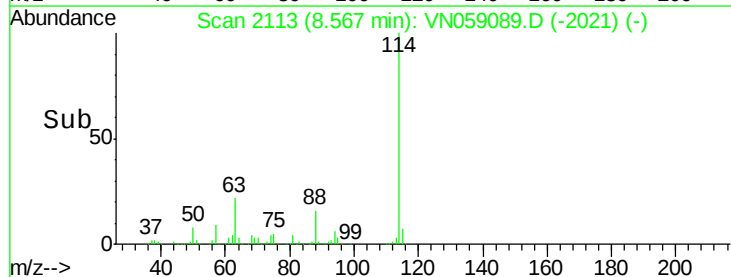
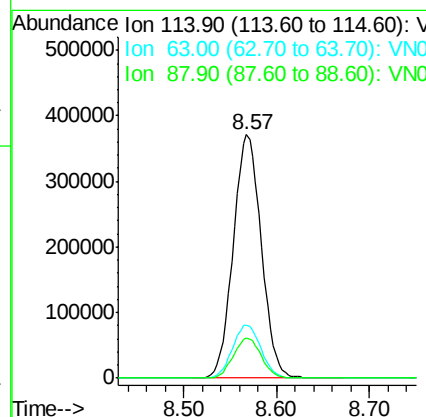
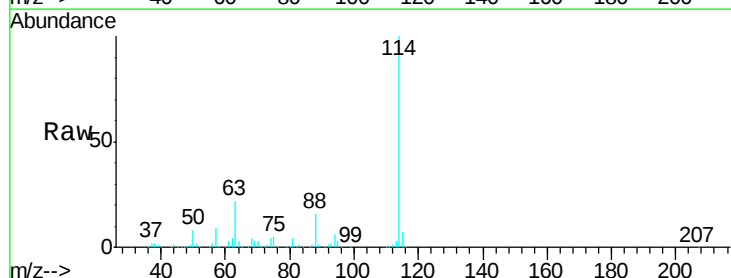
Tgt Ion: 114 Resp: 779032

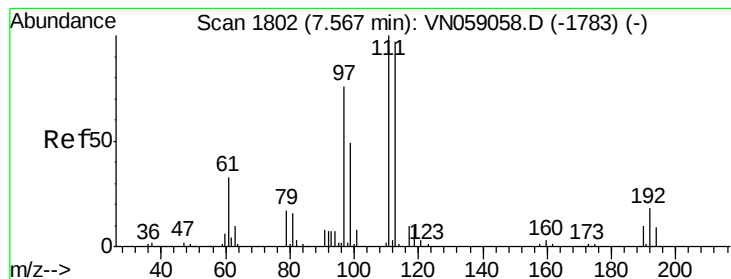
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

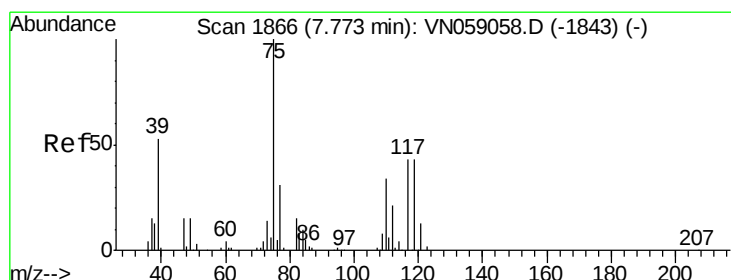
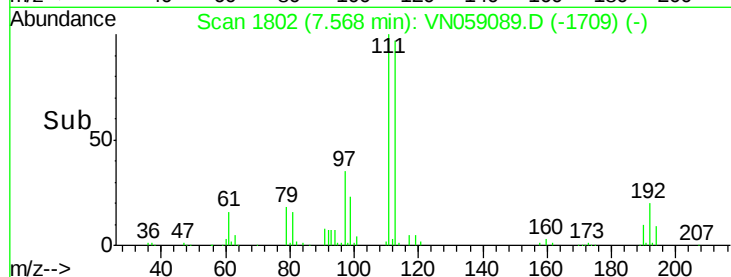
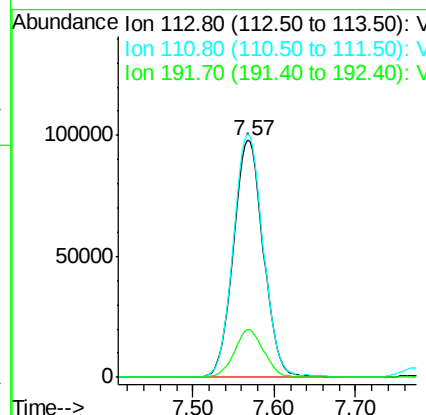
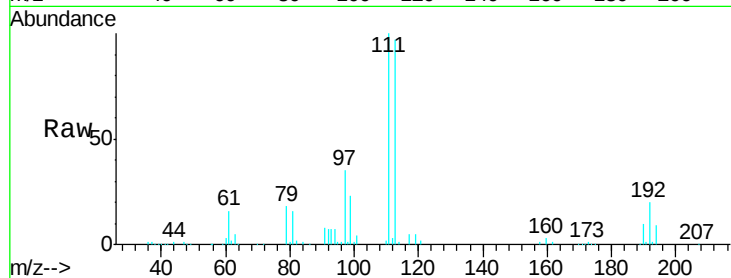
ClientSampleId :

VN1105WBSD01

Tgt Ion:	113	Resp:	251129
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.9	124.3
192	19.7	15.9	23.9

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#36

1,1-Dichloropropene

Concen: 20.195 ug/l

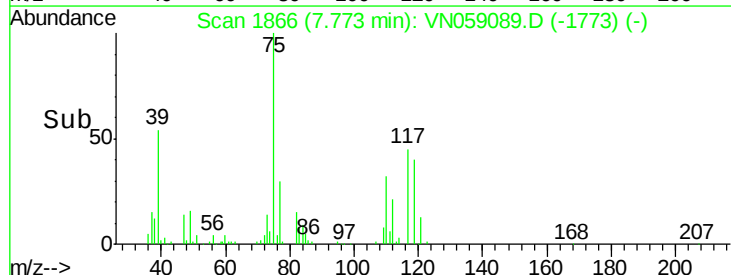
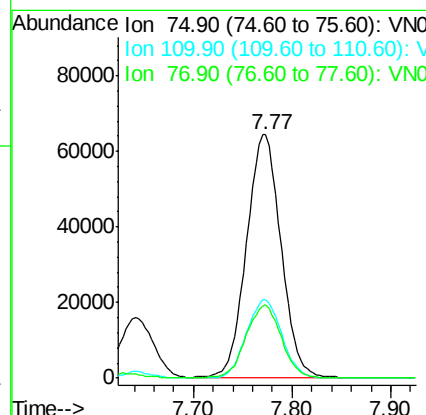
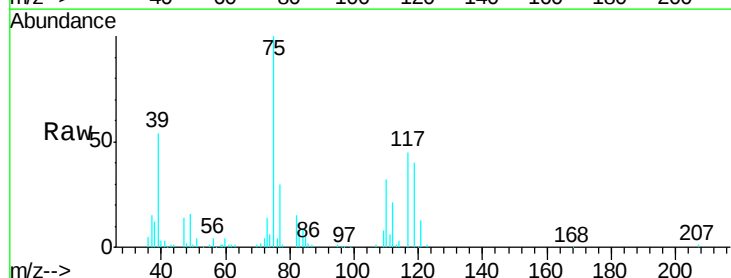
RT: 7.77 min Scan# 1866

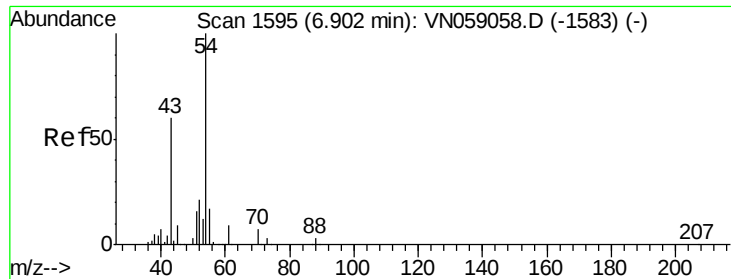
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	75	Resp:	156361
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.9	50.6
77	30.7	25.0	37.4





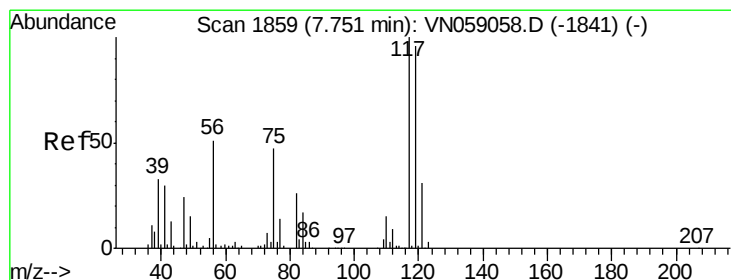
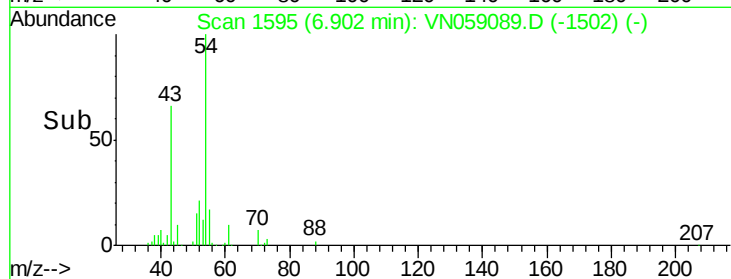
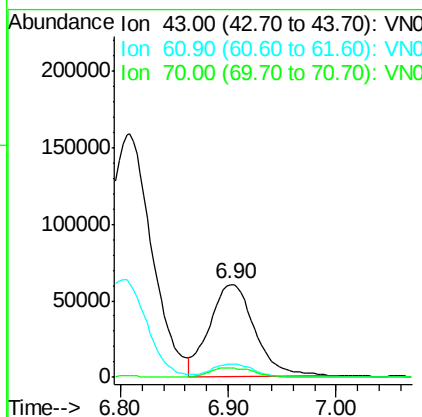
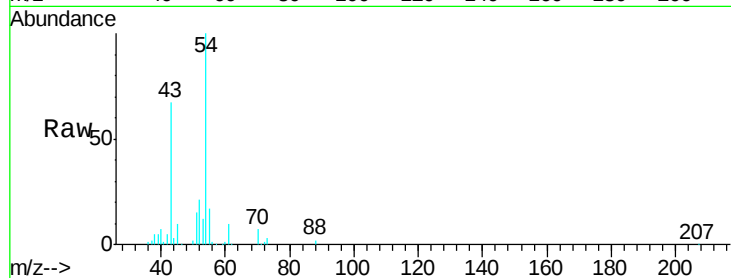
#37
Ethyl Acetate
Concen: 20.305 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	10.4	8.0	12.0

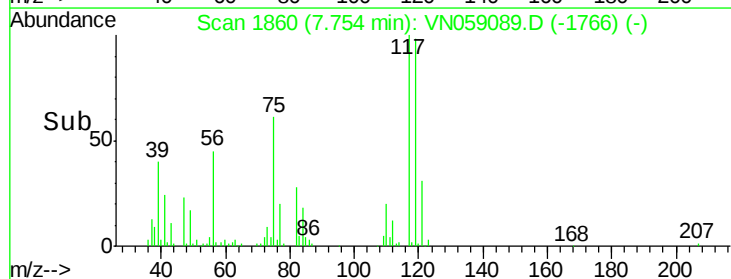
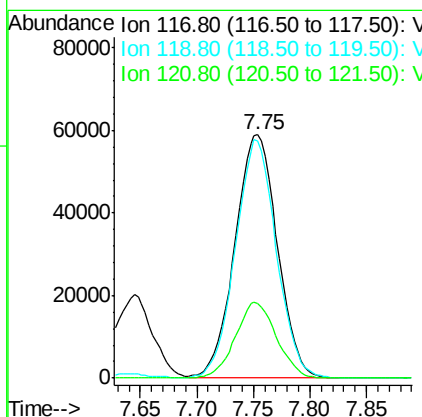
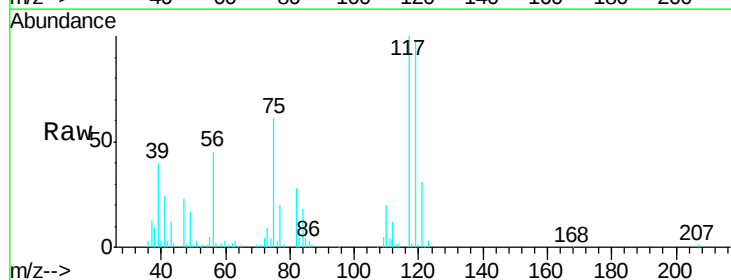
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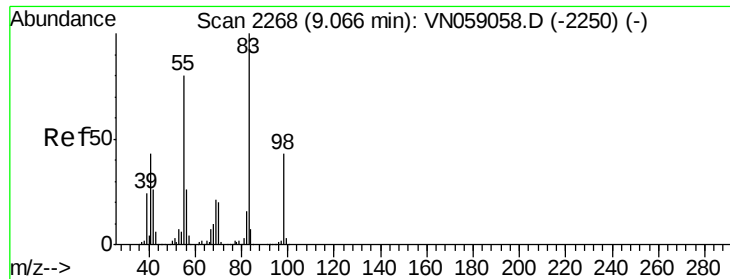
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#38
Carbon Tetrachloride
Concen: 20.428 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.6	114.8
121	30.6	24.6	37.0





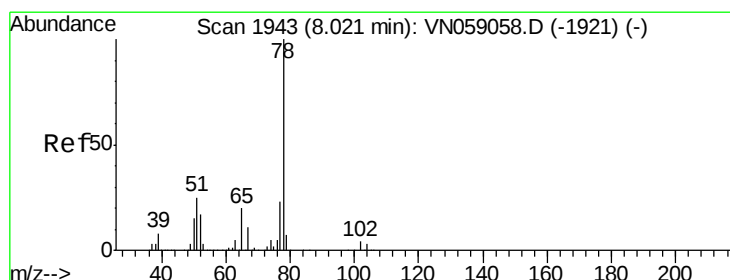
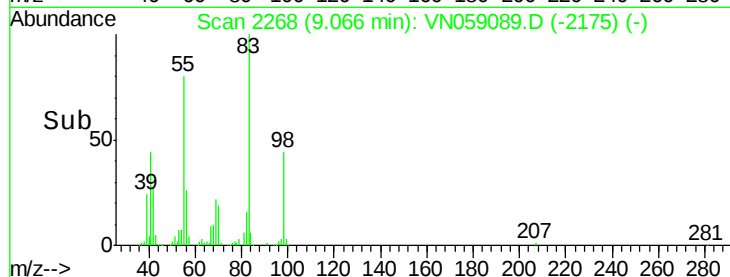
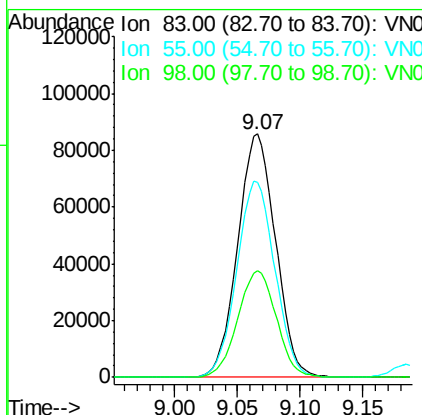
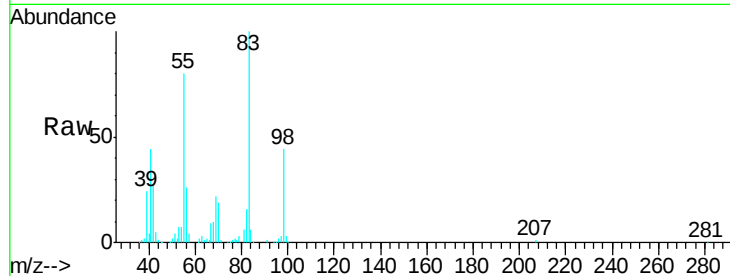
#39
Methylcyclohexane
Concen: 20.142 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	80.0	64.1	96.1
98	43.9	34.3	51.5

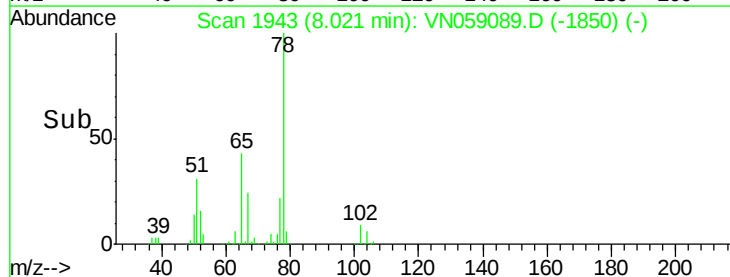
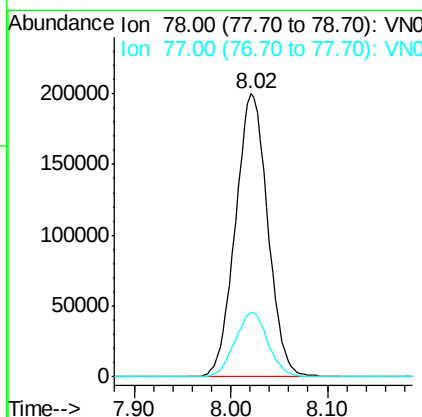
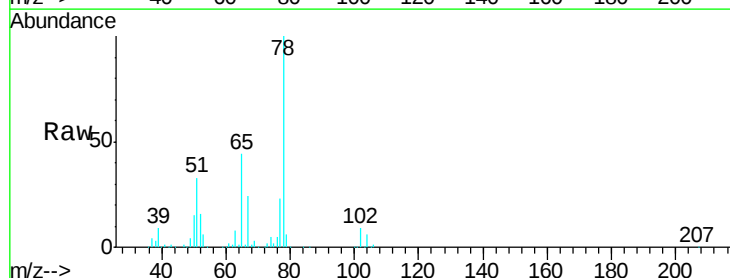
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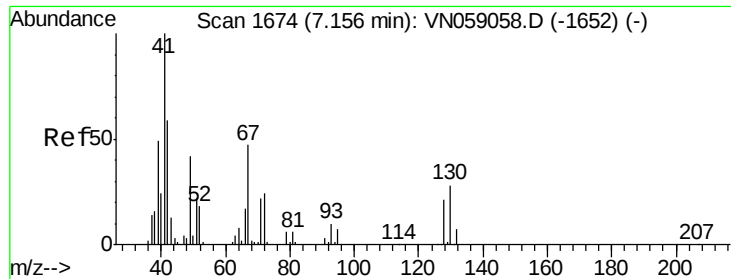
MMDadoda
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#40
Benzene
Concen: 20.241 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	22.6	18.6	27.8





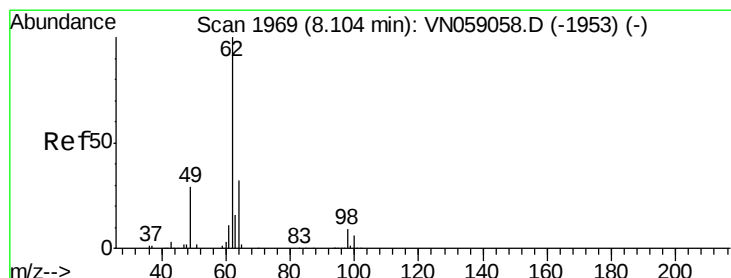
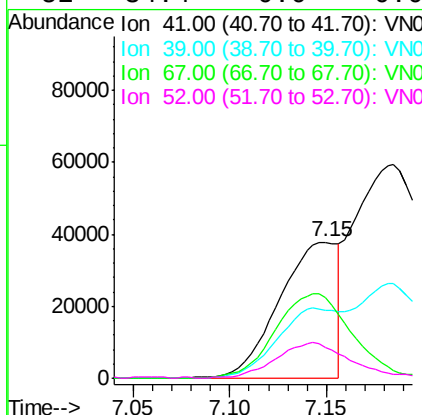
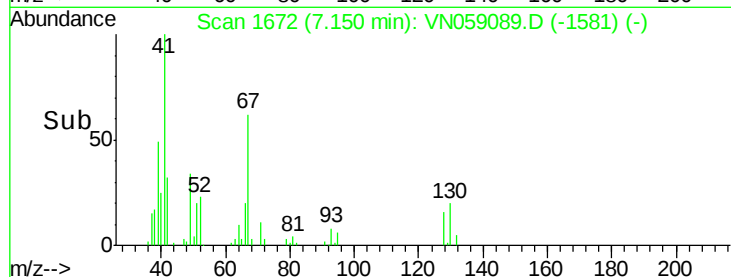
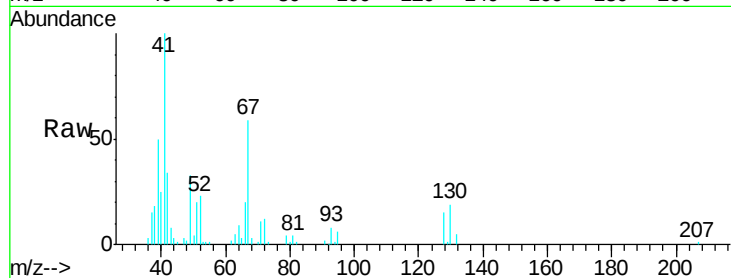
#41
Methacrylonitrile
Concen: 21.187 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.3	0.0	0.0#
67	82.6	0.0	0.0#
52	34.4	0.0	0.0#

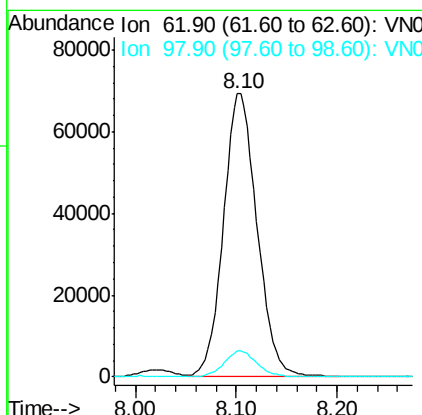
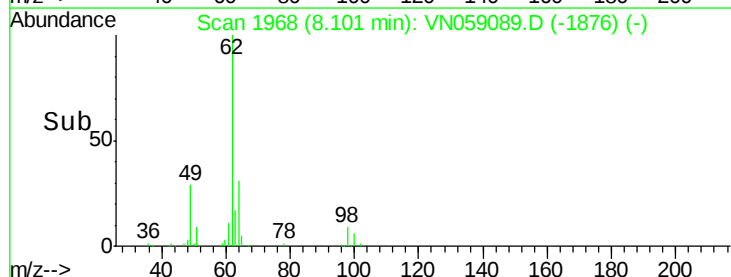
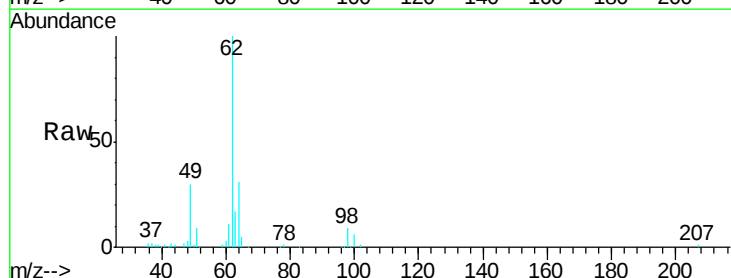
Manual Integrations
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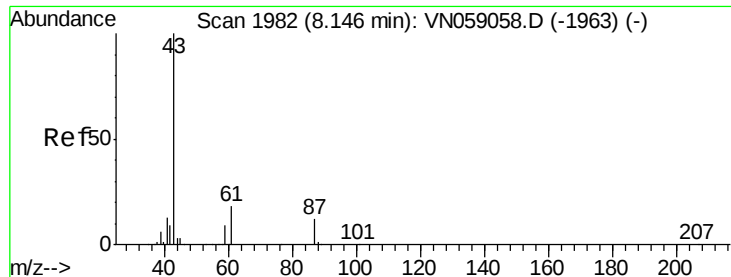
MMDadoda
11/6/2019 1:56:25 PM



#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#43

Isopropyl Acetate

Concen: 20.109 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

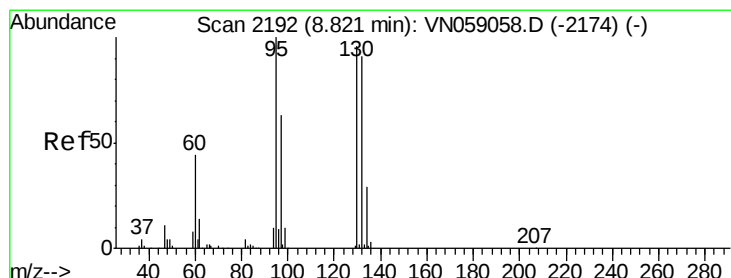
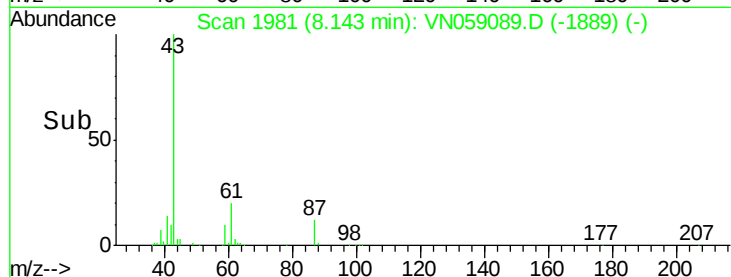
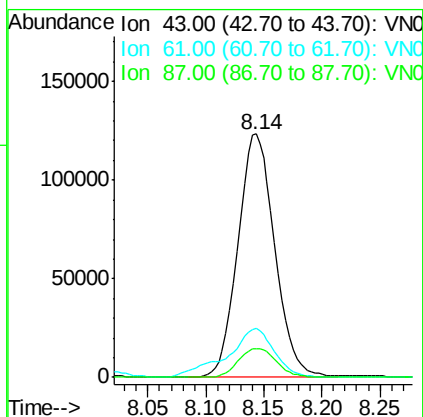
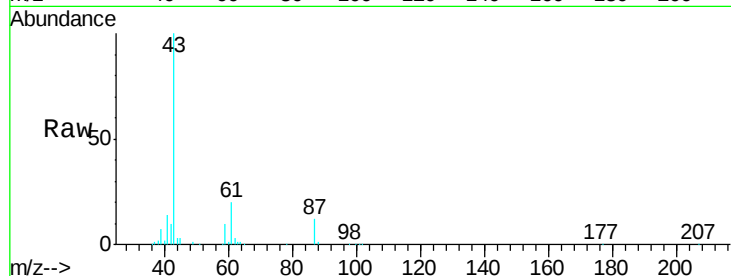
ClientSampleId :

VN1105WBSD01

Tgt Ion:	43	Resp:	270537
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.5	30.7
87	12.3	9.8	14.8

Manual Integrations
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11/6/2019 1:56:25 PM



#44

Trichloroethene

Concen: 20.035 ug/l

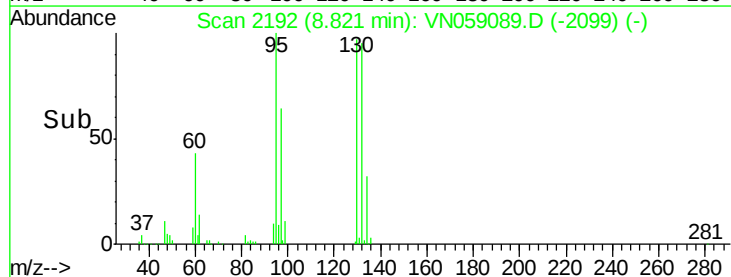
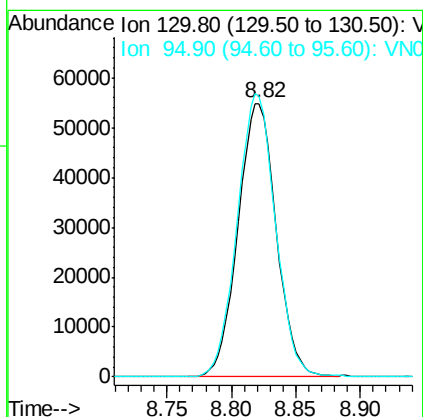
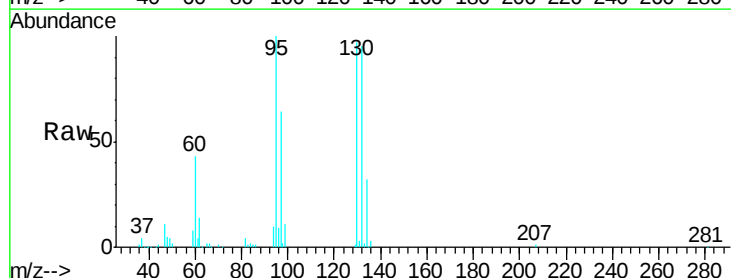
RT: 8.82 min Scan# 2192

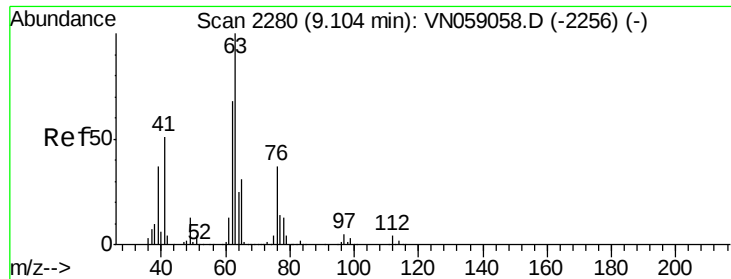
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	130	Resp:	113266
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	207.6





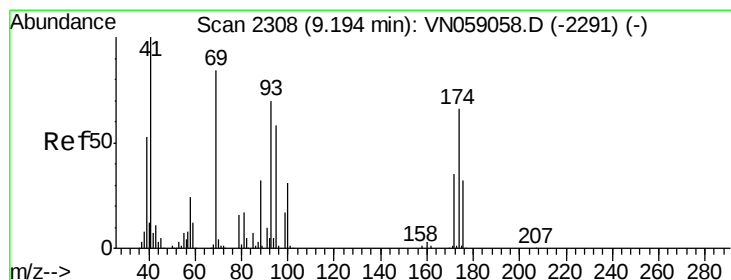
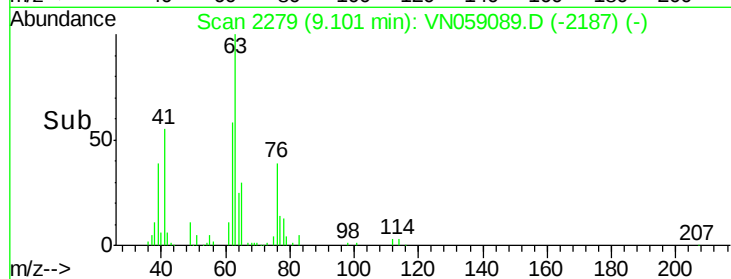
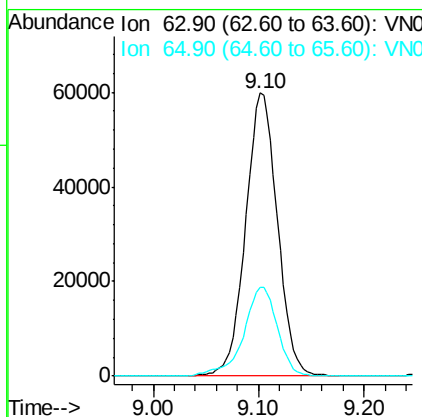
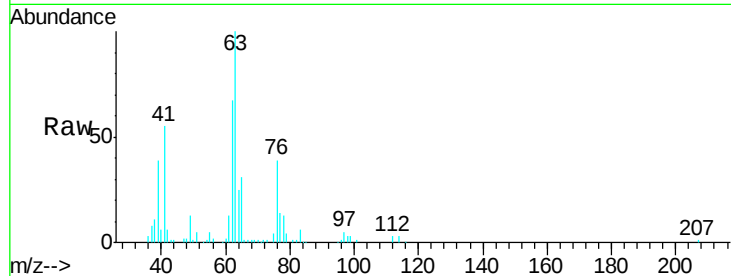
#45
 1,2-Dichloropropane
 Concen: 20.235 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion: 63 Resp: 125743
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

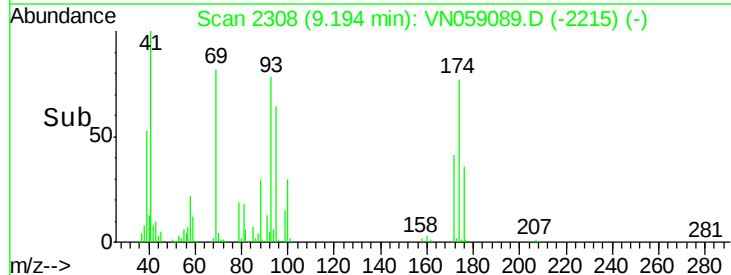
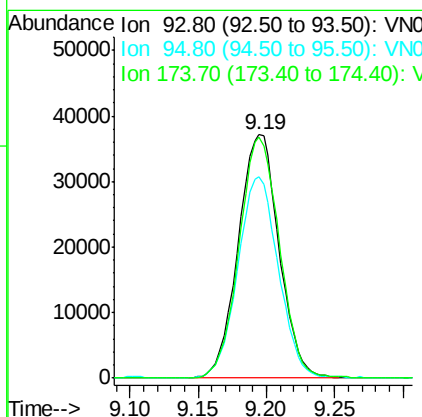
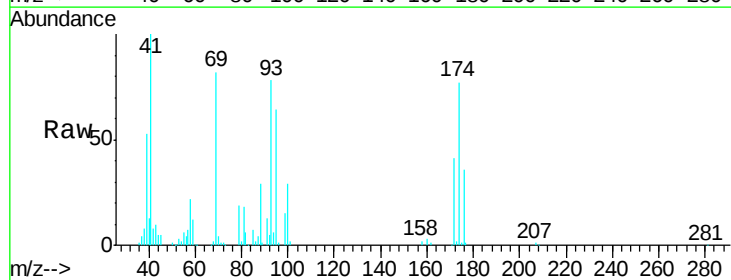
Manual Integrations
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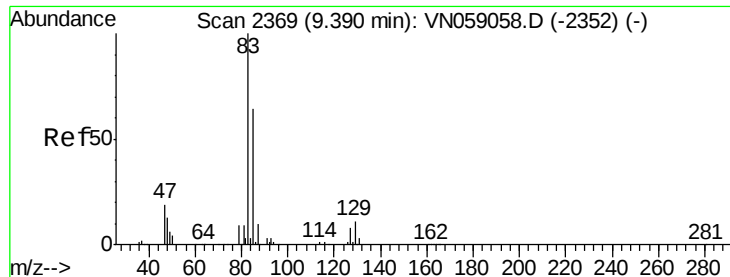
MMDadoda
 11/6/2019 1:56:25 PM



#46
 Dibromomethane
 Concen: 20.078 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 93 Resp: 77113
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 98.0 78.3 117.5





#47

Bromodichloromethane

Concen: 20.164 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

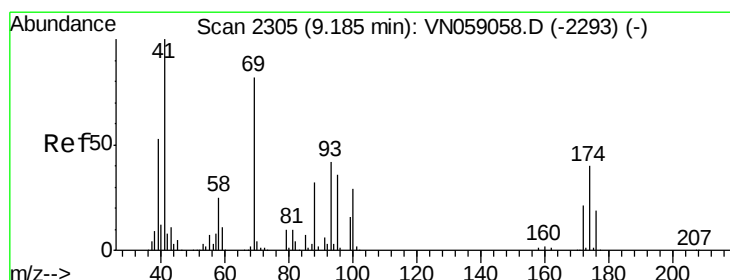
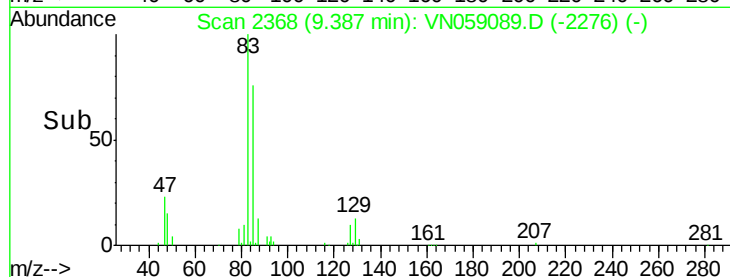
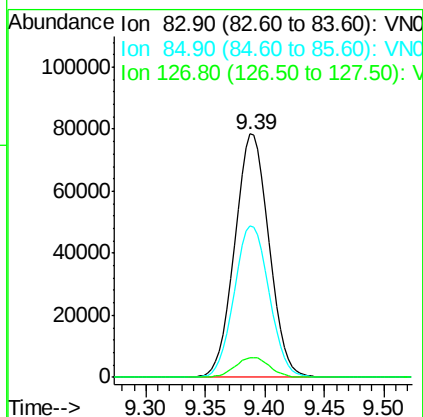
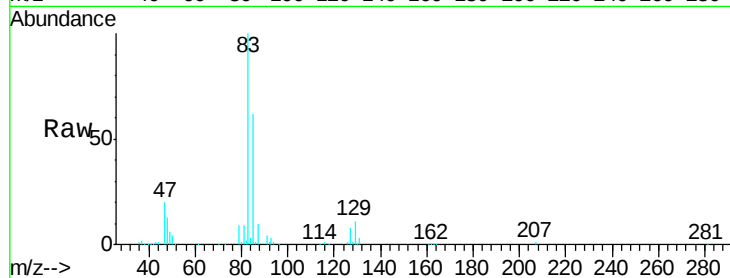
ClientSampleId :

VN1105WBSD01

Tgt Ion:	83	Resp:	156843
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.2	76.8
127	8.1	6.5	9.7

Manual Integrations
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11/6/2019 1:56:25 PM



#48

Methyl methacrylate

Concen: 19.656 ug/l

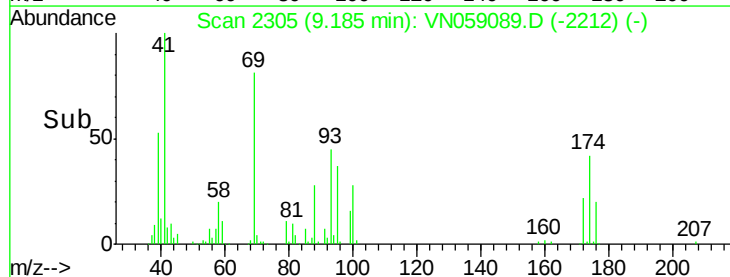
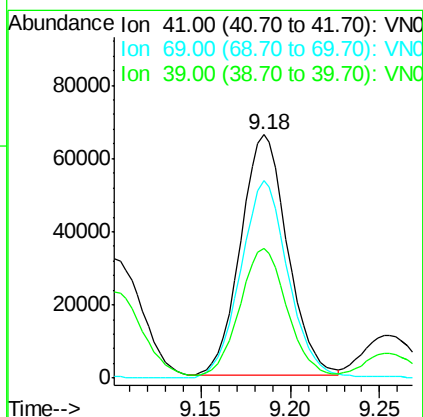
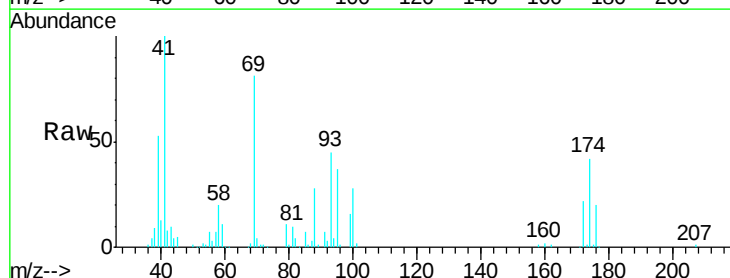
RT: 9.18 min Scan# 2305

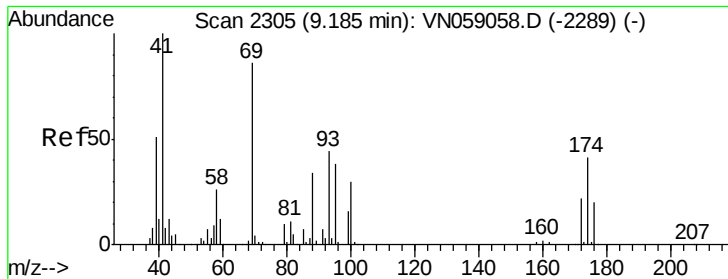
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	41	Resp:	120575
Ion	Ratio	Lower	Upper
41	100		
69	83.3	67.1	100.7
39	52.7	43.3	64.9





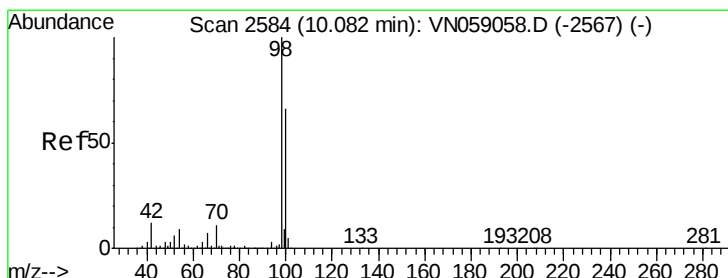
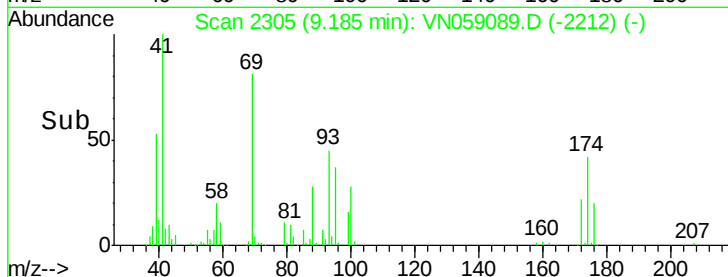
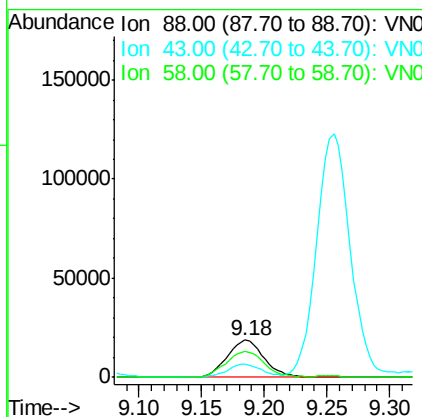
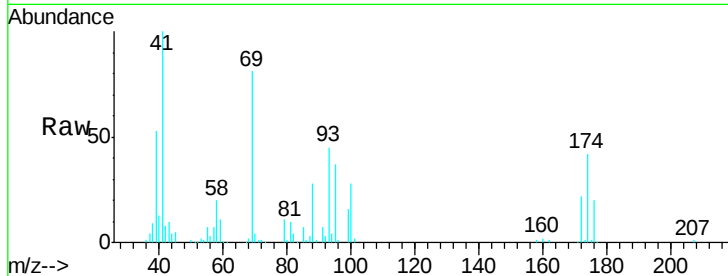
#49
1,4-Dioxane
Concen: 383.621 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.2	39.2
58	72.5	59.1	88.7

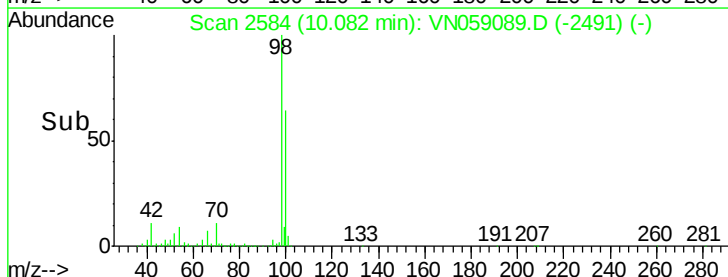
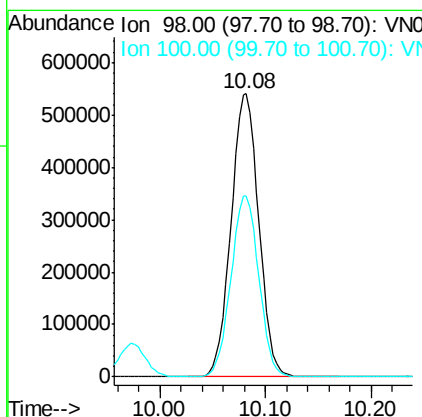
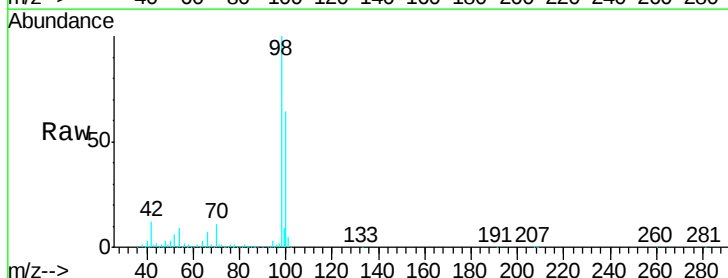
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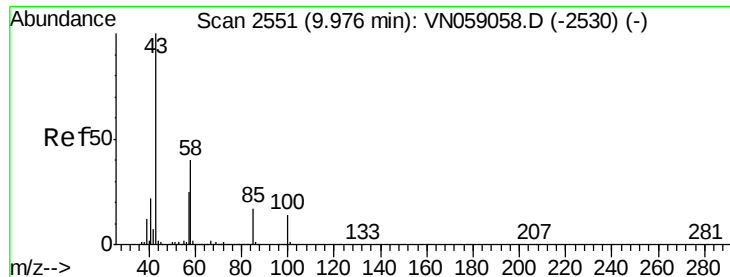
MMDadoda
11/6/2019 1:56:25 PM



#50
Toluene-d8
Concen: 50.136 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





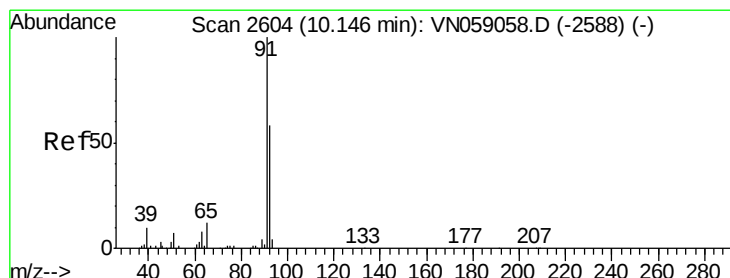
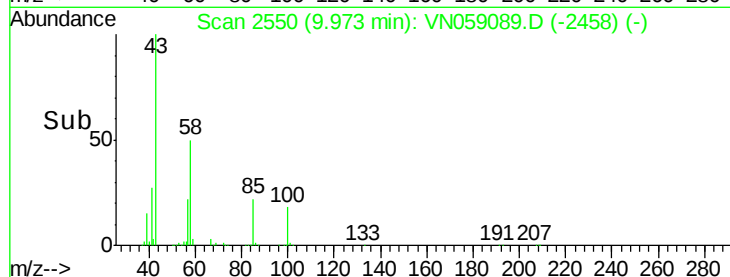
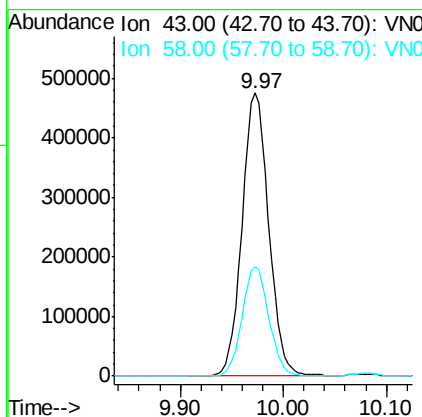
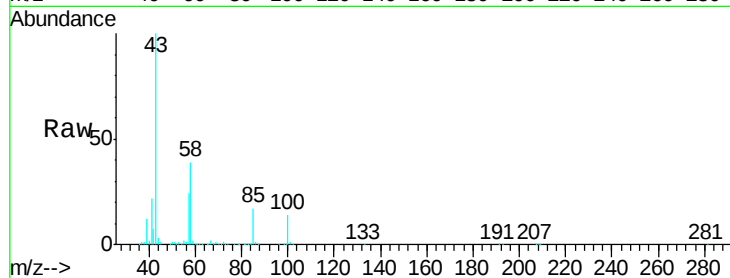
#51
4-Methyl-2-Pentanone
Concen: 109.302 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion: 43 Resp: 854221
Ion Ratio Lower Upper
43 100
58 38.7 31.8 47.6

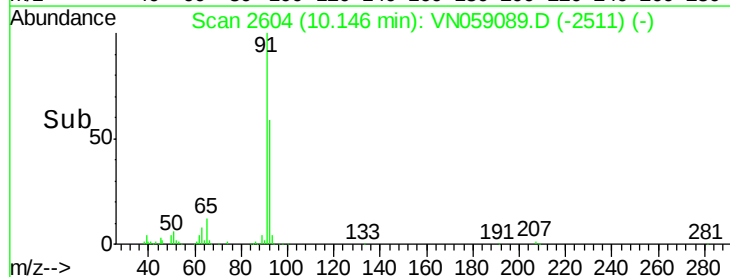
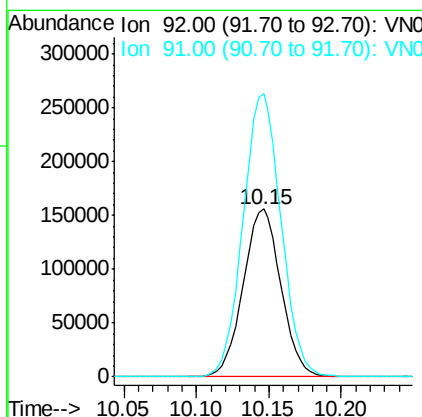
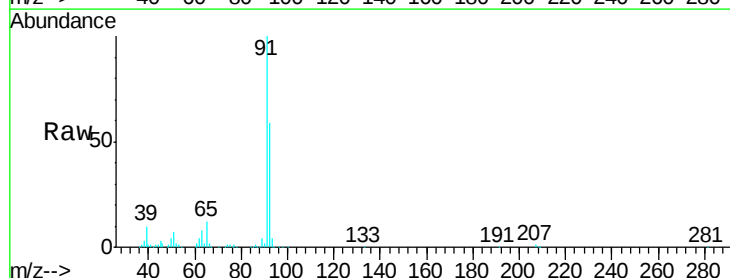
Manual Integrations
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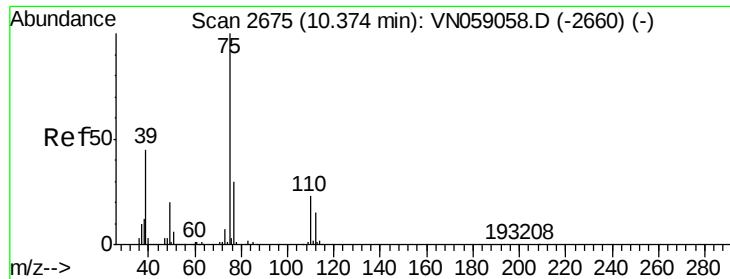
MMDadoda
11/6/2019 1:56:25 PM



#52
Toluene
Concen: 21.008 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 92 Resp: 282844
Ion Ratio Lower Upper
92 100
91 169.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 19.863 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 75 Resp: 178655

Ion Ratio Lower Upper

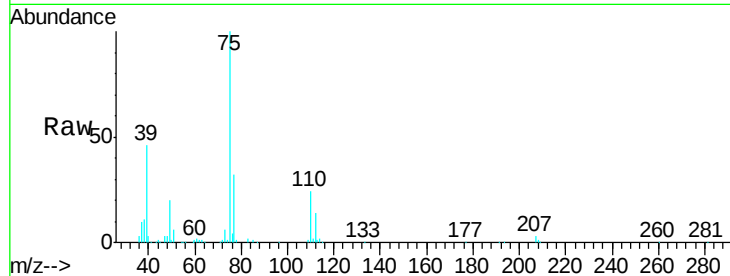
75 100

77 31.1 25.6 38.4

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

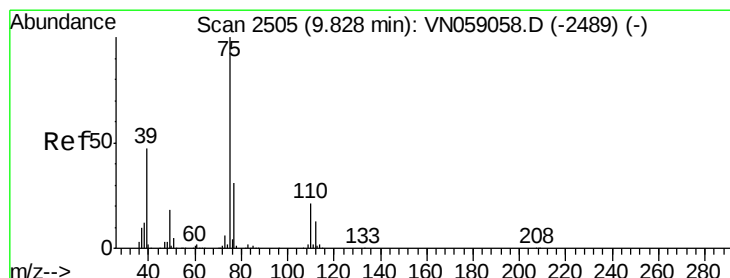
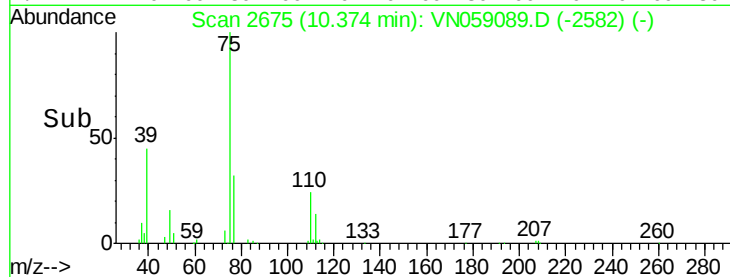
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.514 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

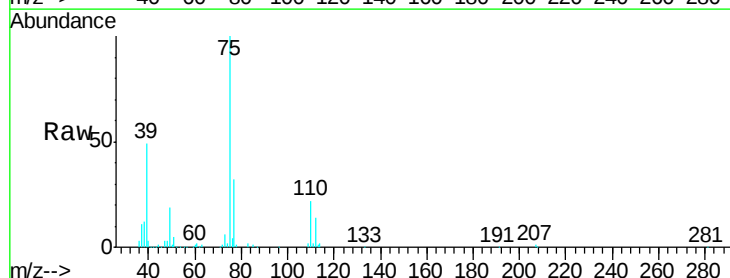
Tgt Ion: 75 Resp: 194613

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

39 48.6 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

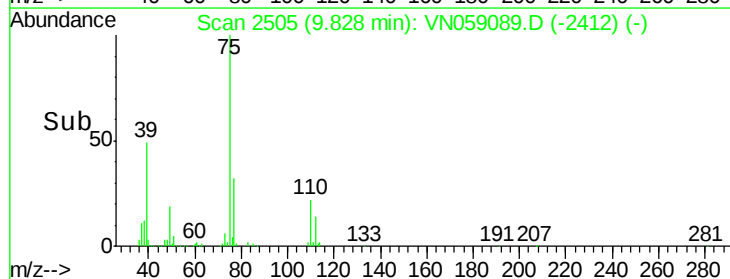
9.83

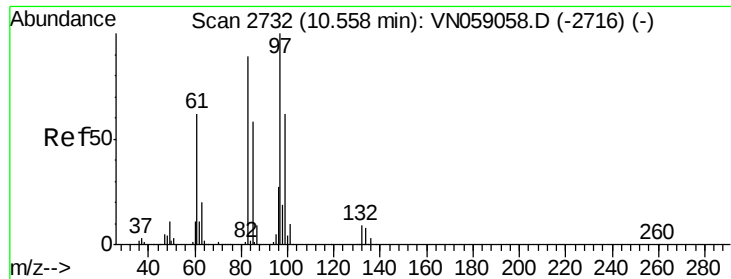
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.241 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

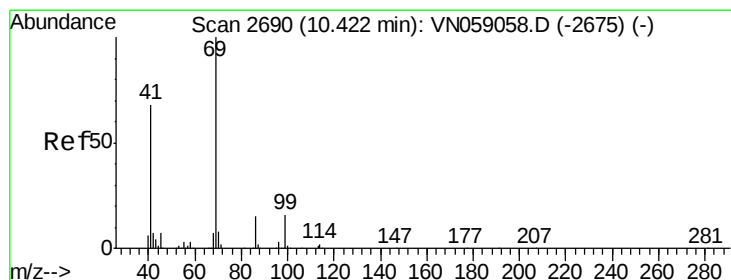
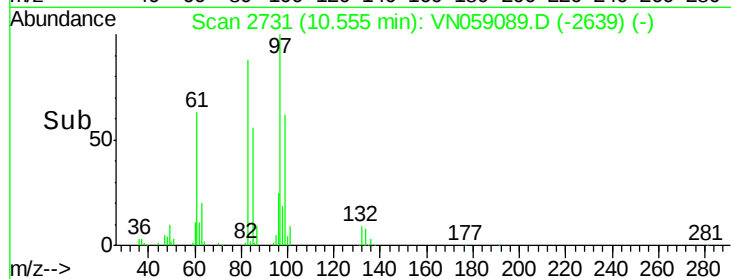
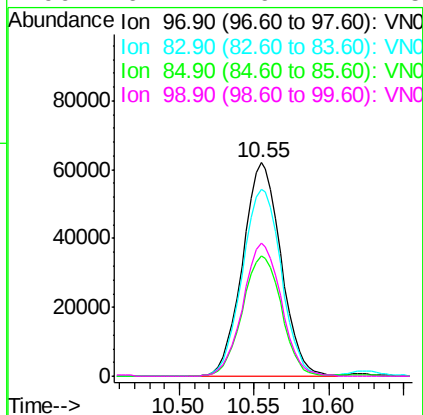
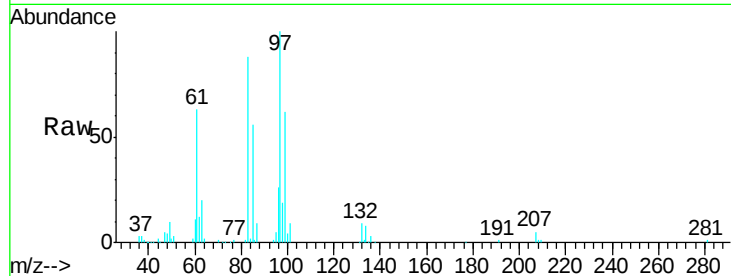
ClientSampleId :

VN1105WBSD01

Tgt Ion:	97	Resp:	111014
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.4	107.2
85	56.1	46.6	70.0
99	62.4	49.7	74.5

Manual Integrations
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11/6/2019 1:56:25 PM



#56

Ethyl methacrylate

Concen: 19.270 ug/l

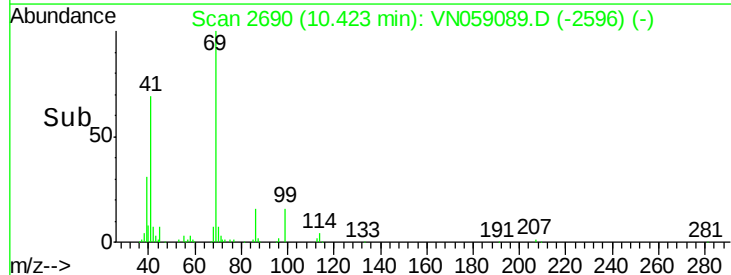
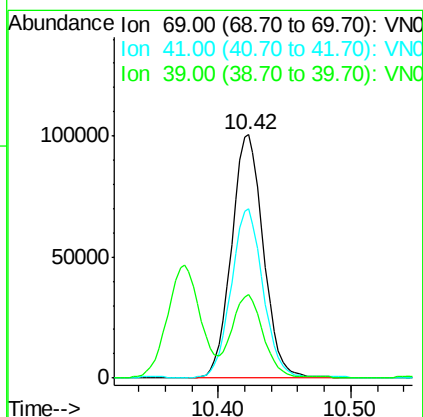
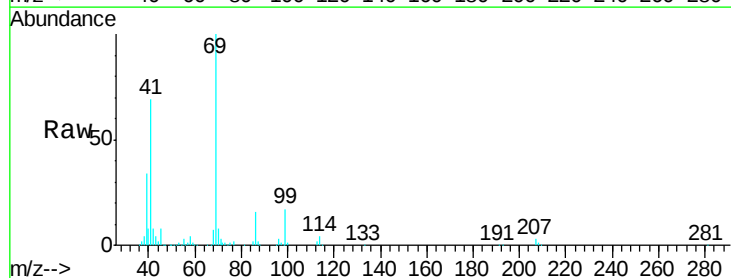
RT: 10.42 min Scan# 2690

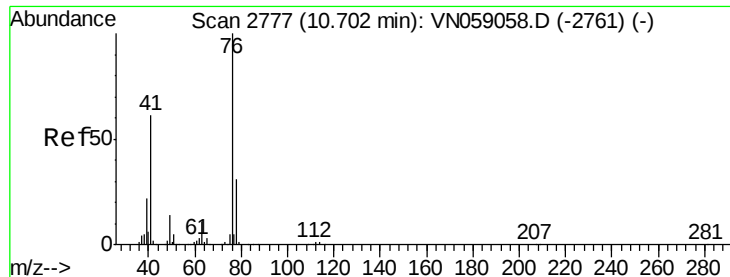
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	69	Resp:	168308
Ion	Ratio	Lower	Upper
69	100		
41	68.3	53.8	80.8
39	33.4	26.2	39.2





#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 76 Resp: 195284

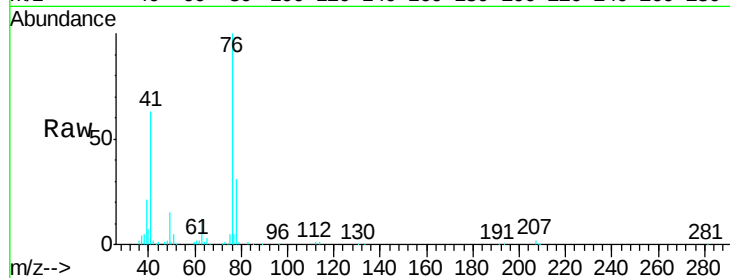
Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.6

Manual Integrations
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MMDadoda
11/6/2019 1:56:25 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

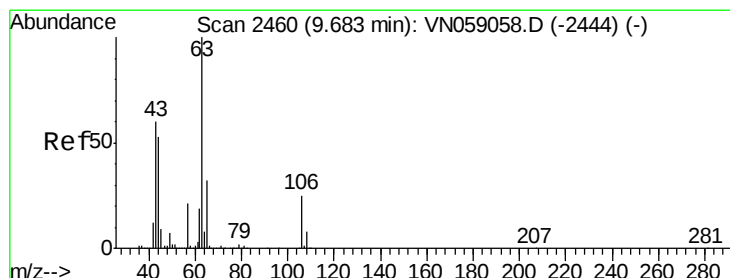
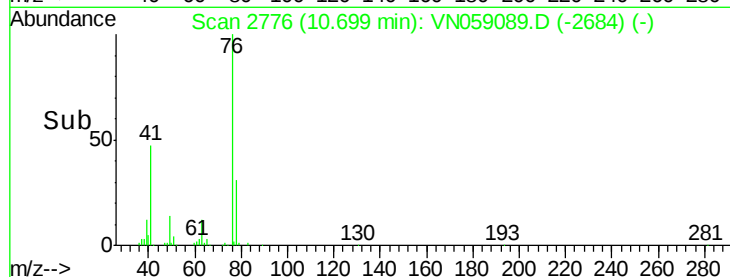
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 106.016 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059089.D

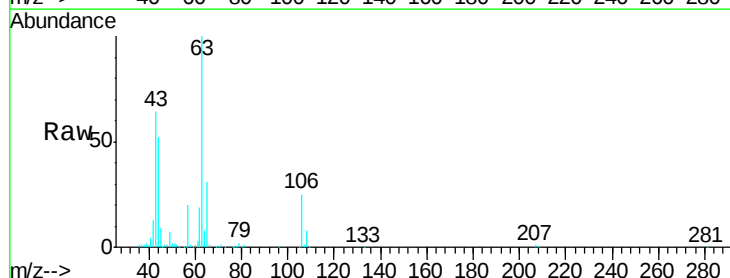
Acq: 5 Nov 2019 13:58

Tgt Ion: 63 Resp: 357781

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

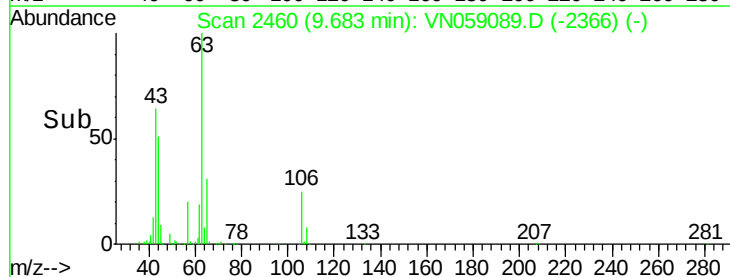
150000

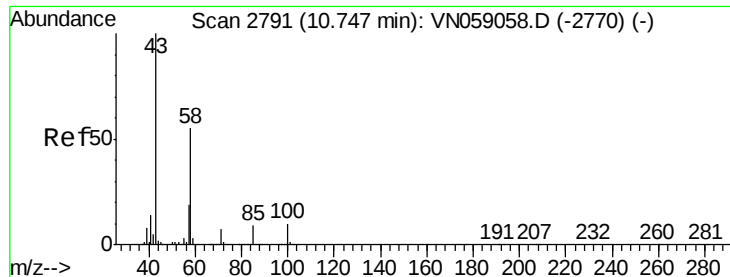
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





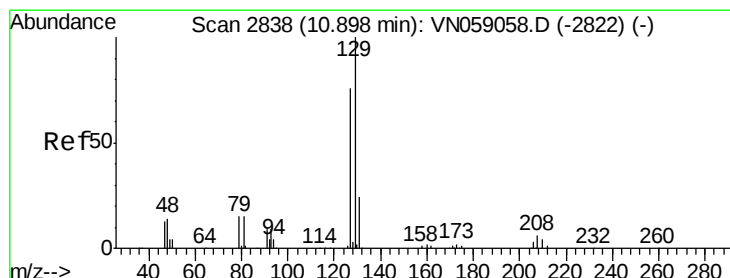
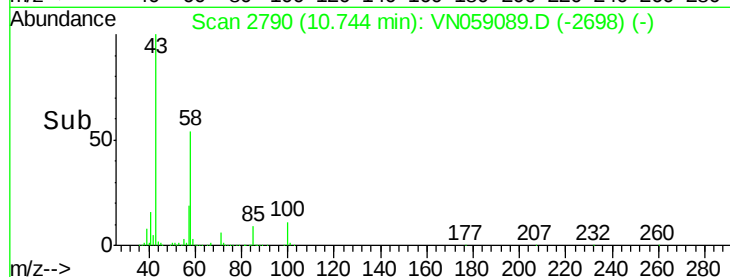
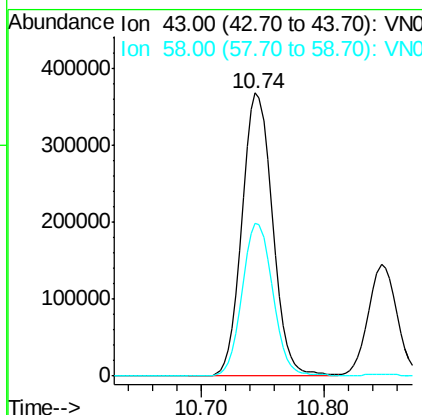
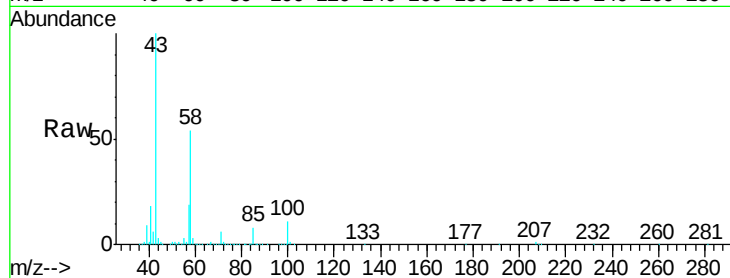
#59
2-Hexanone
Concen: 107.132 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion: 43 Resp: 636070
Ion Ratio Lower Upper
43 100
58 54.1 27.4 82.2

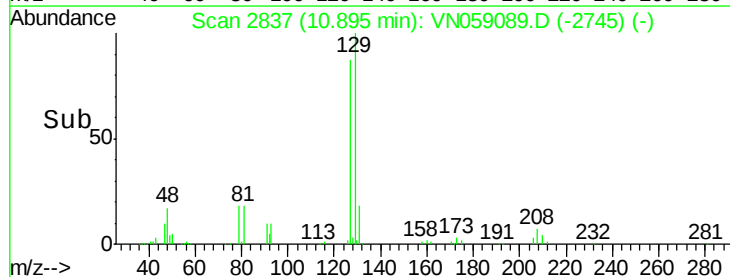
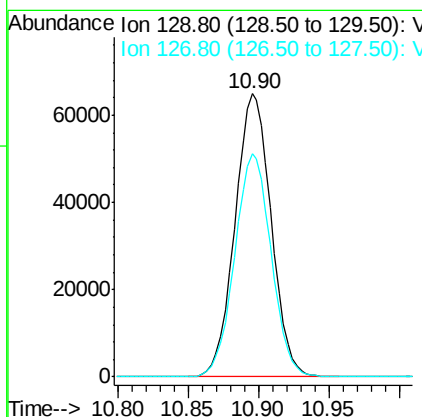
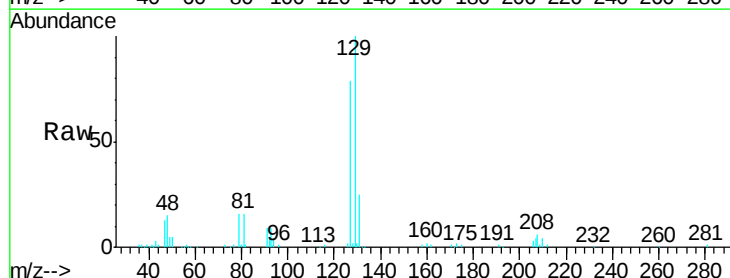
Manual Integrations
APPROVED

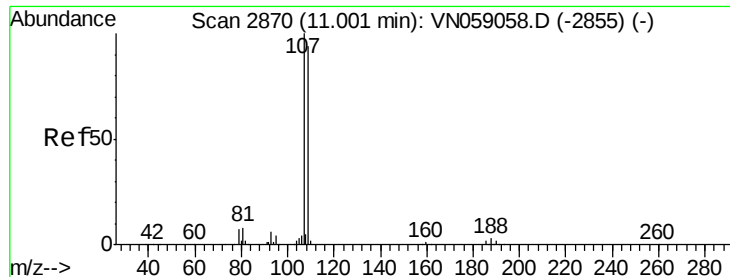
MMDadoda
11/6/2019 1:56:25 PM



#60
Dibromochloromethane
Concen: 19.709 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion: 129 Resp: 116493
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.8





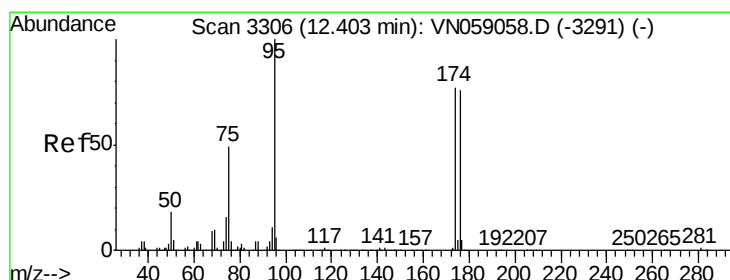
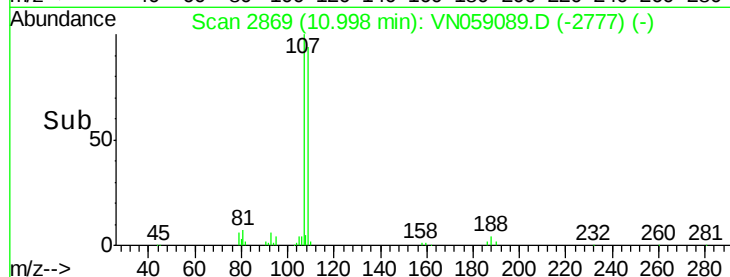
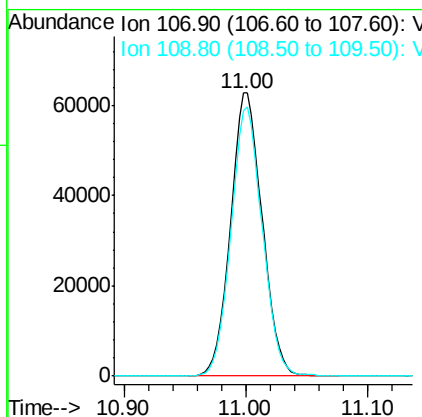
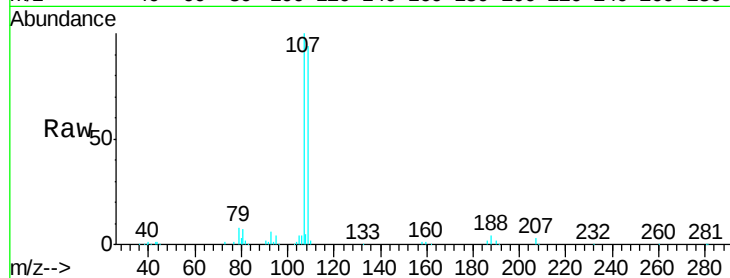
#61
 1,2-Dibromoethane
 Concen: 20.360 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN1105WBSD01

Tgt Ion: 107 Resp: 113124
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3

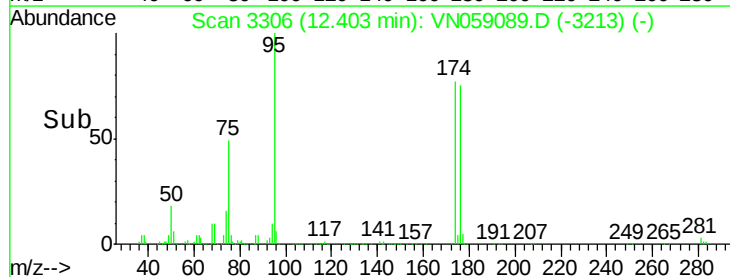
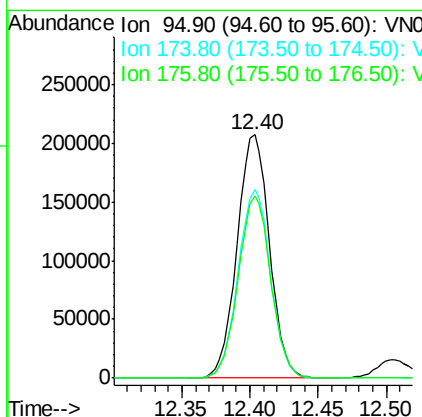
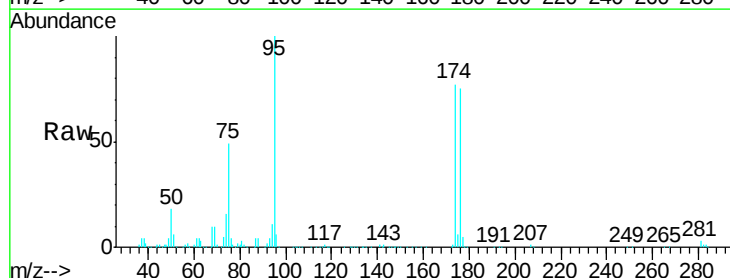
Manual Integrations
 APPROVED

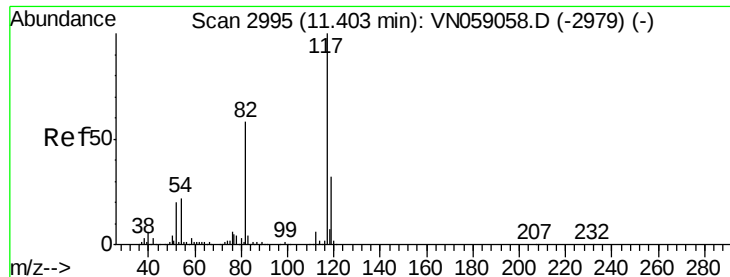
MMDadoda
 11/6/2019 1:56:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.631 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion: 95 Resp: 342047
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 155.8
 176 75.1 0.0 151.6





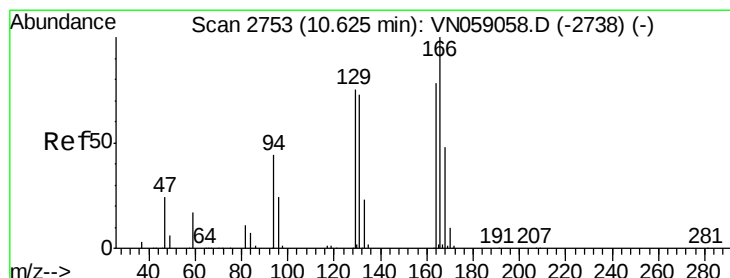
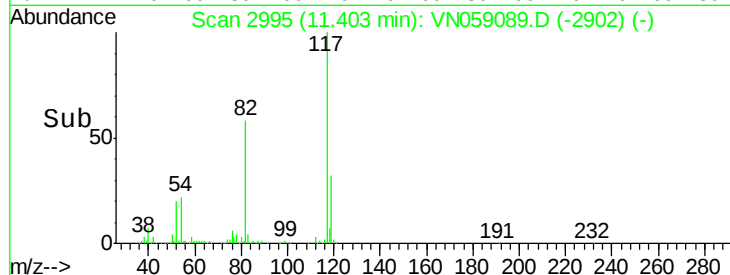
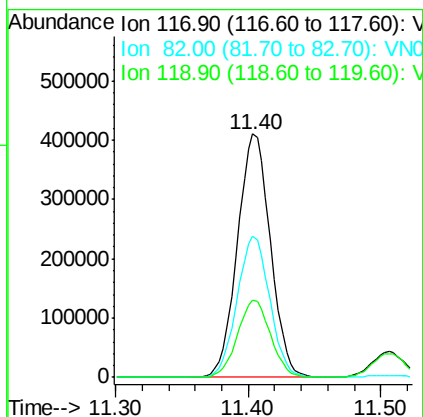
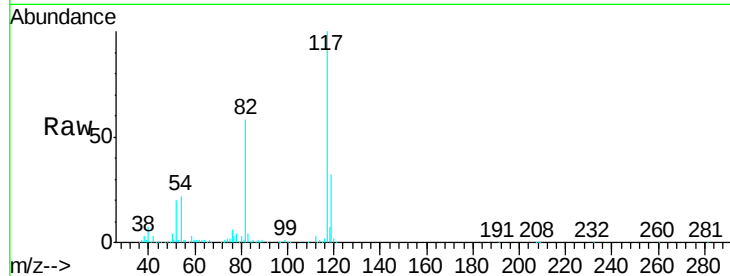
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	709156		
82	58.0	46.0	69.0	
119	31.8	25.6	38.4	

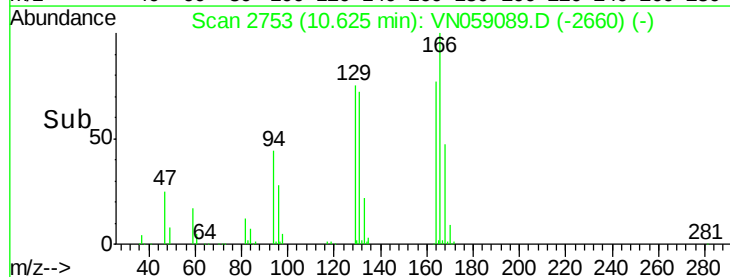
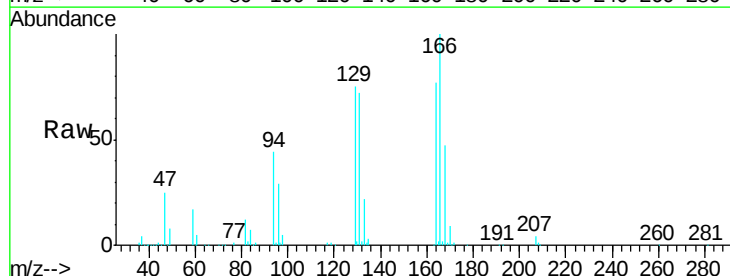
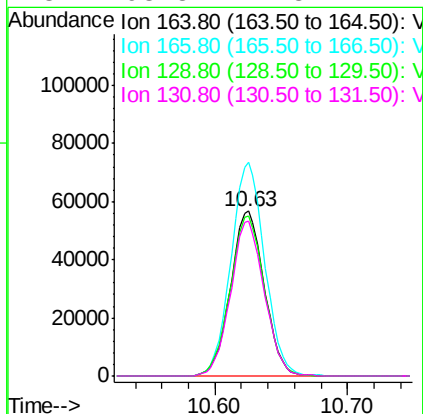
Manual Integrations
APPROVED

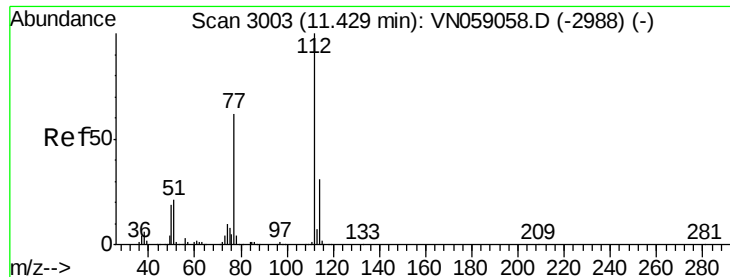
MMDadoda
11/6/2019 1:56:25 PM



#64
Tetrachloroethene
Concen: 20.228 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100205		
166	129.5	102.7	154.1	
129	96.9	77.3	115.9	
131	93.8	74.8	112.2	





#65

Chlorobenzene

Concen: 19.916 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion:112 Resp: 289867

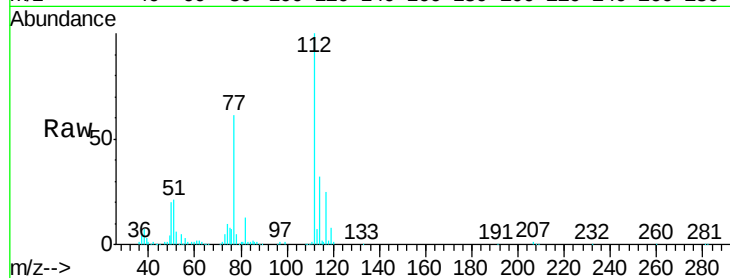
Ion Ratio Lower Upper

112 100

114 31.9 25.0 37.6

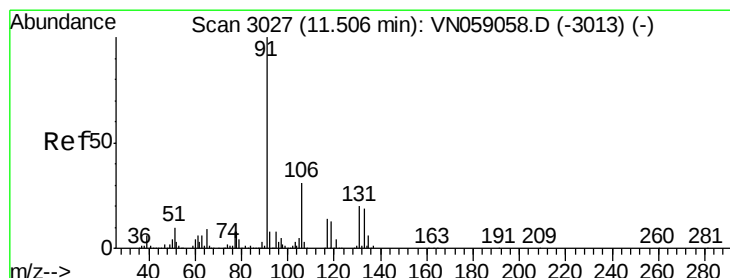
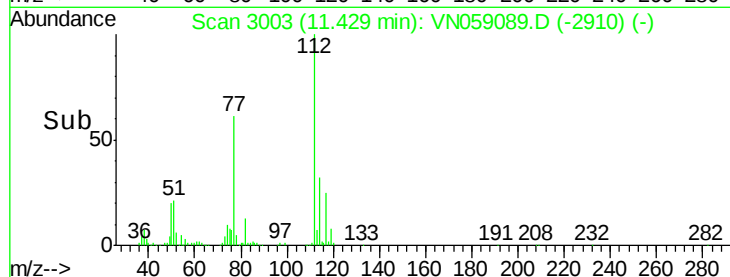
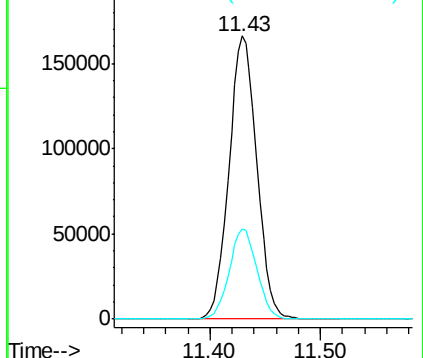
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.144 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

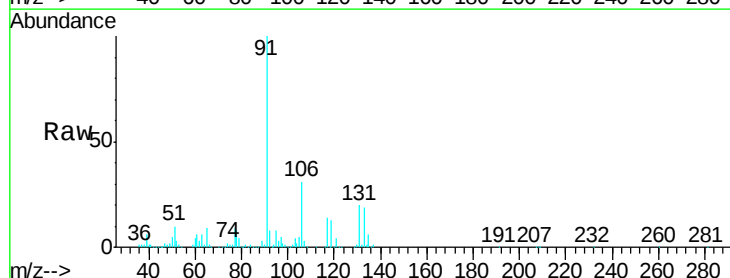
Tgt Ion:131 Resp: 107868

Ion Ratio Lower Upper

131 100

133 96.3 47.9 143.6

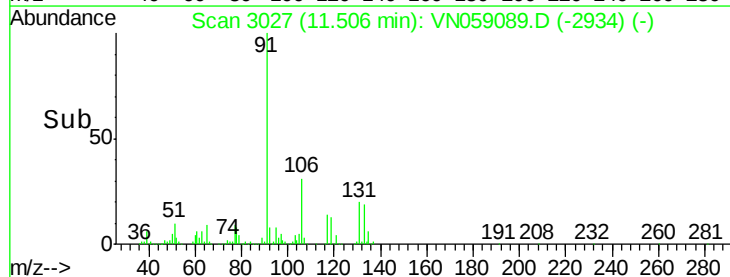
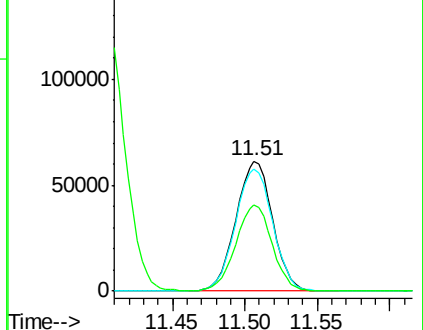
119 65.4 33.5 100.5

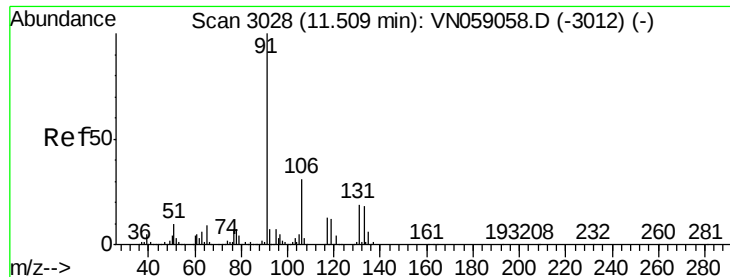


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.665 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 91 Resp: 520666

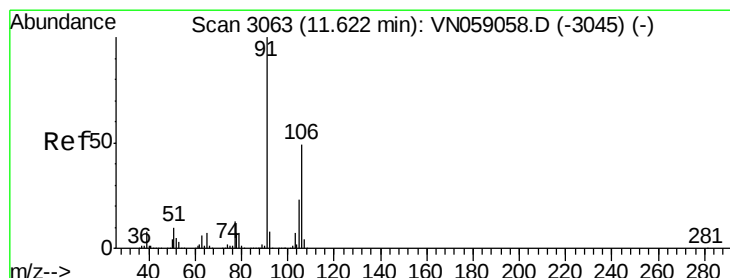
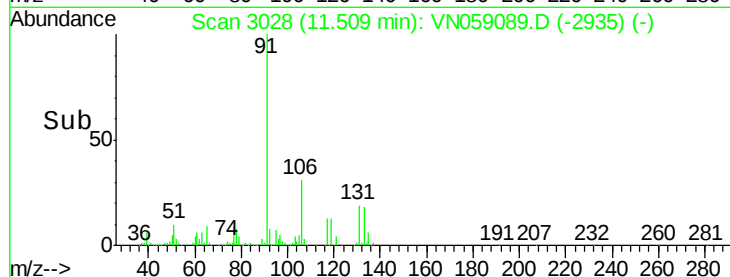
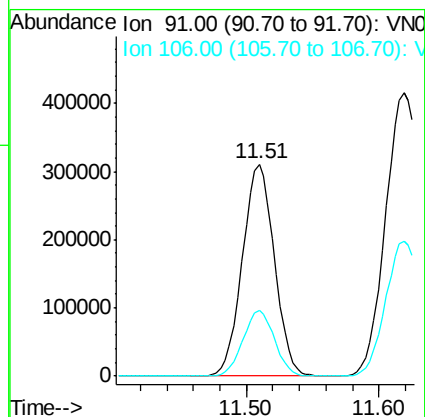
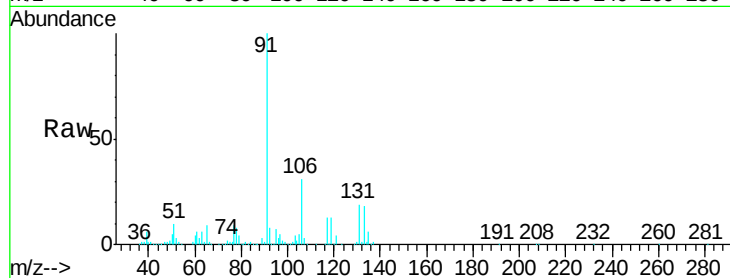
Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.921 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059089.D

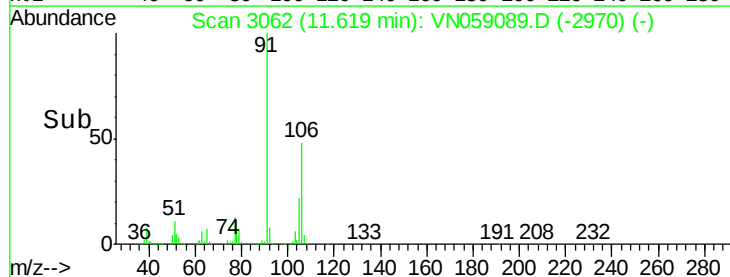
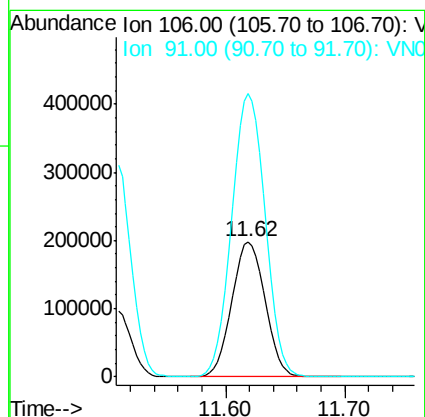
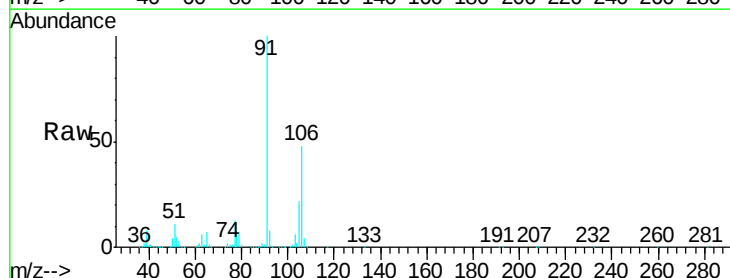
Acq: 5 Nov 2019 13:58

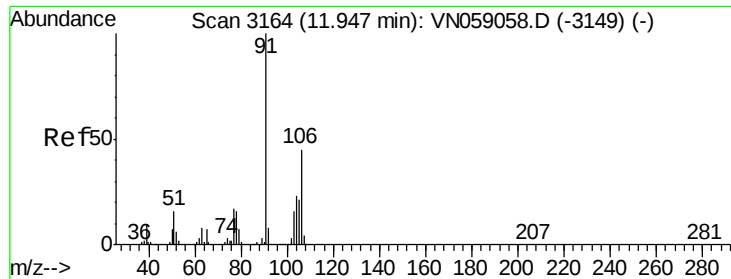
Tgt Ion: 106 Resp: 385001

Ion Ratio Lower Upper

106 100

91 209.8 165.7 248.5





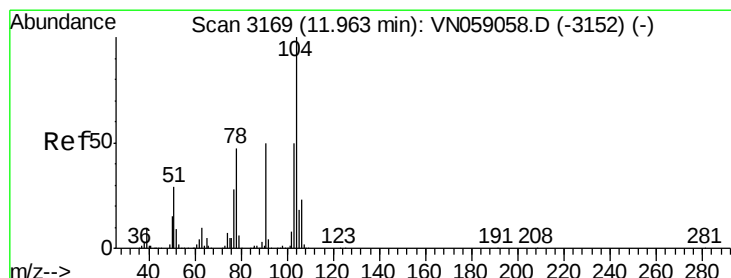
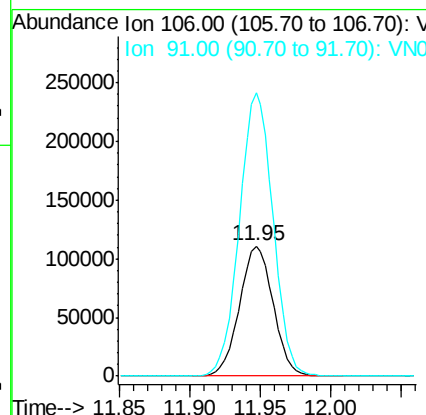
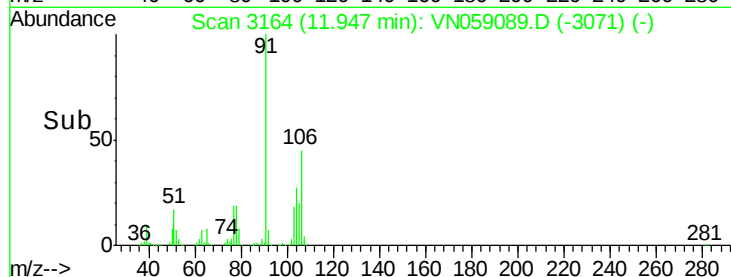
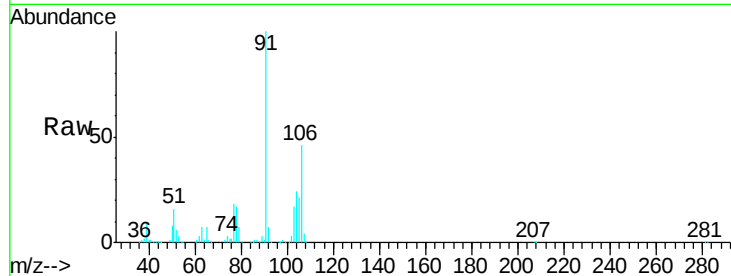
#69
o-Xylene
Concen: 20.656 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion:106 Resp: 185577
Ion Ratio Lower Upper
106 100
91 216.6 110.4 331.2

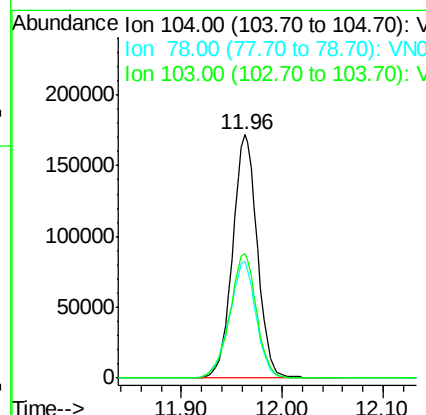
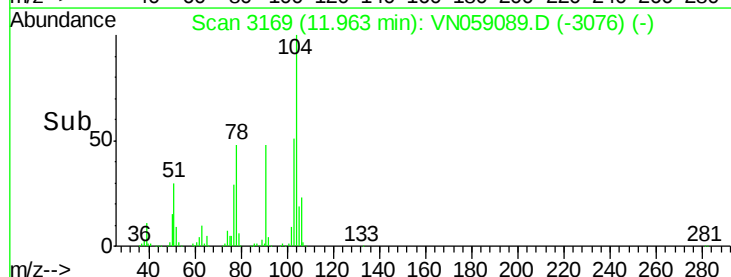
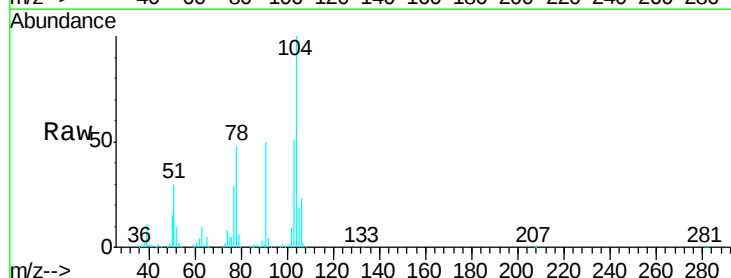
Manual Integrations
APPROVED

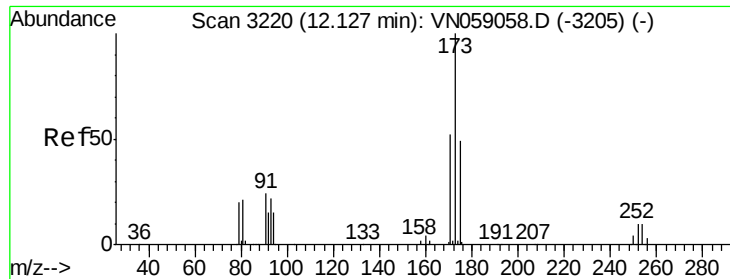
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#70
Styrene
Concen: 20.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion:104 Resp: 293492
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 20.055 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion:173 Resp: 83125

Ion Ratio Lower Upper

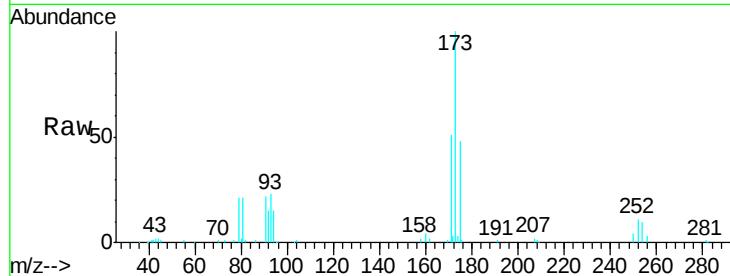
173 100

175 48.3 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

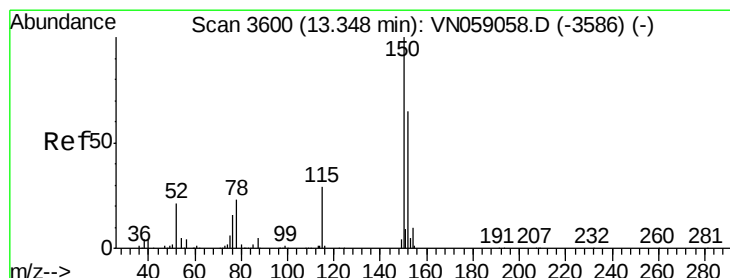
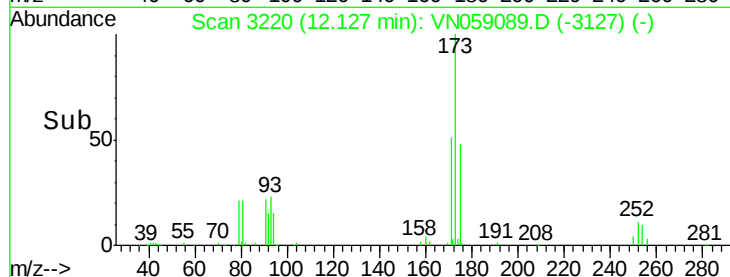
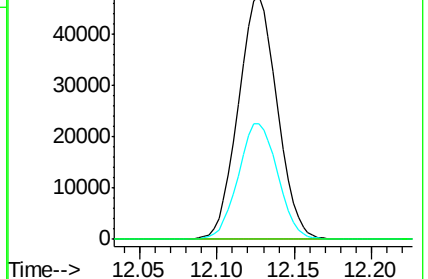
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:152 Resp: 322755

Ion Ratio Lower Upper

152 100

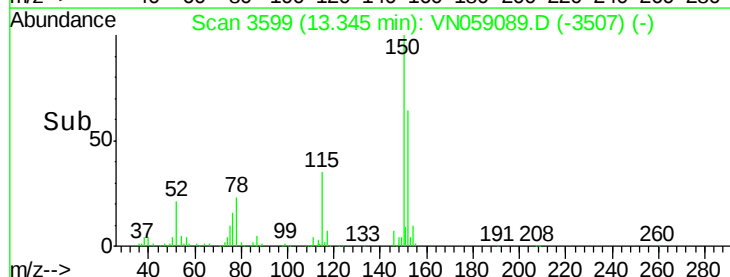
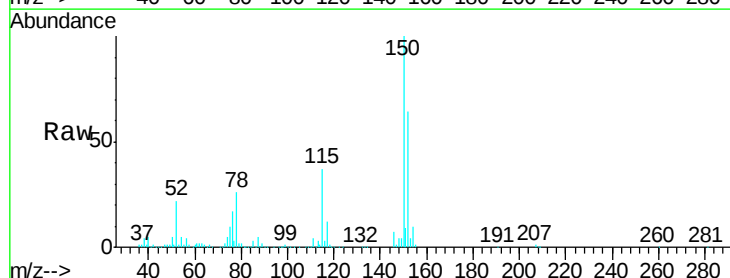
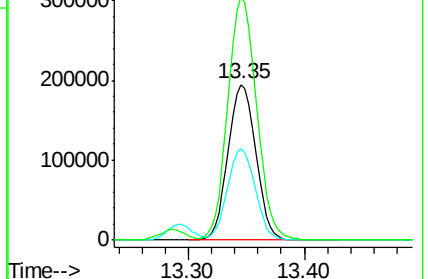
115 58.3 29.6 88.9

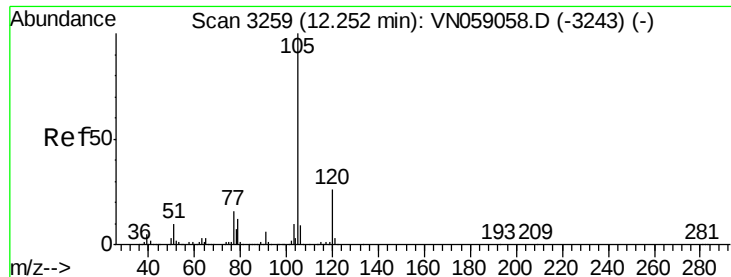
150 161.4 0.0 345.8

Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.858 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 105 Resp: 495245

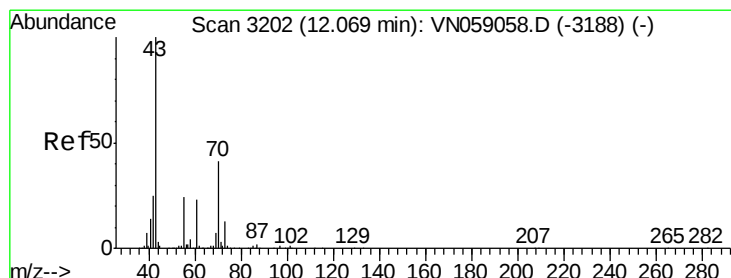
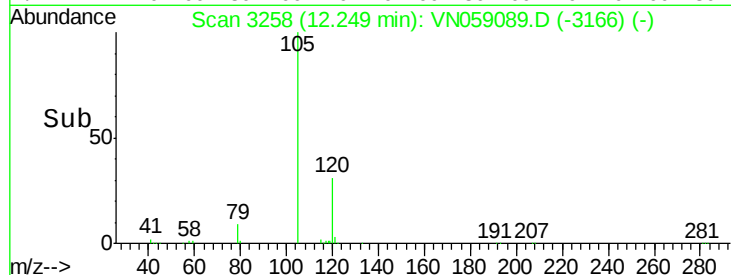
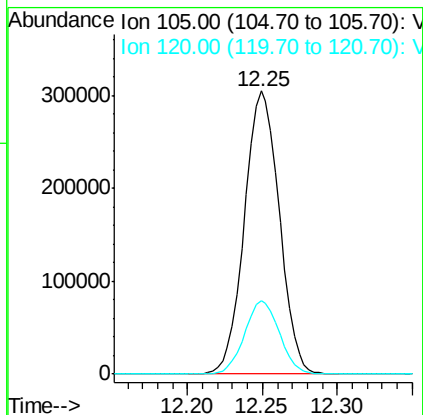
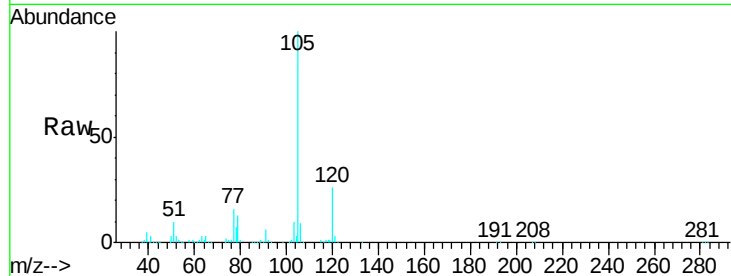
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.792 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion: 43 Resp: 209045

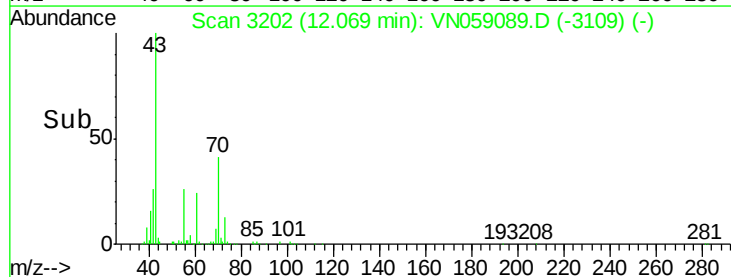
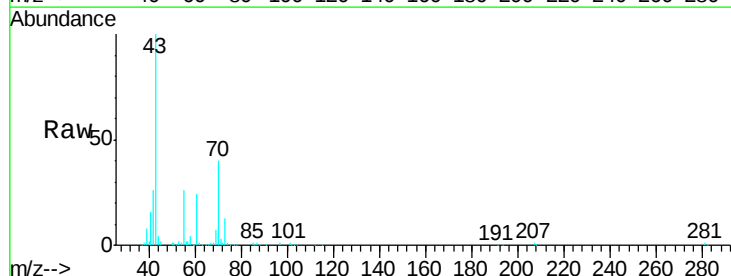
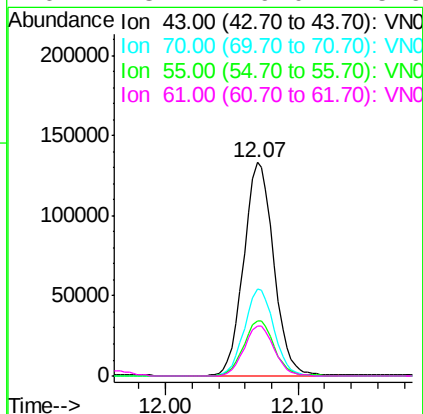
Ion Ratio Lower Upper

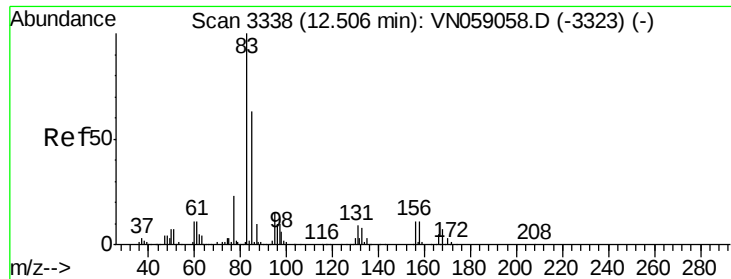
43 100

70 40.5 32.6 49.0

55 26.6 19.7 29.5

61 23.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.866 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 83 Resp: 168028
Ion Ratio Lower Upper

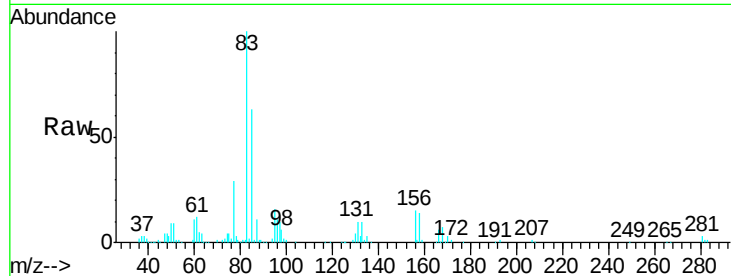
83 100

131 9.9 4.9 14.7

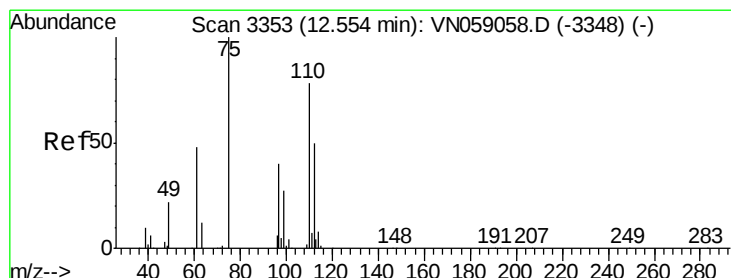
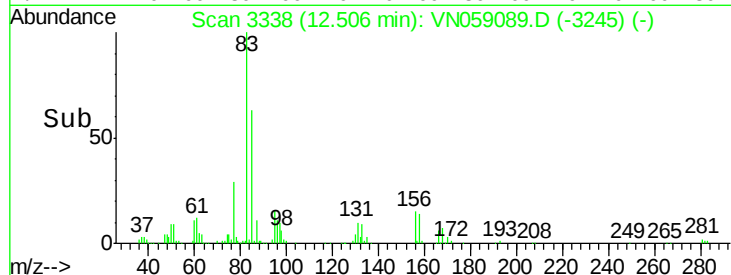
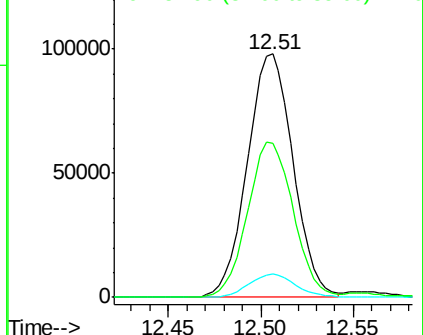
85 63.7 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.024 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

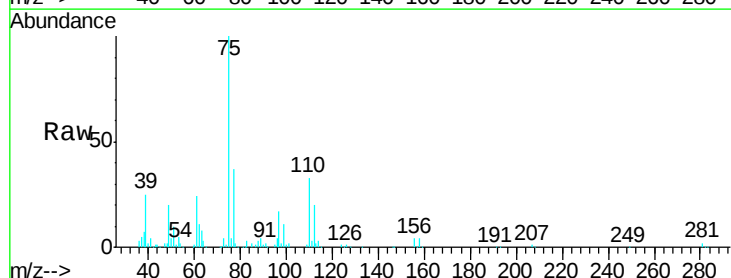
Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

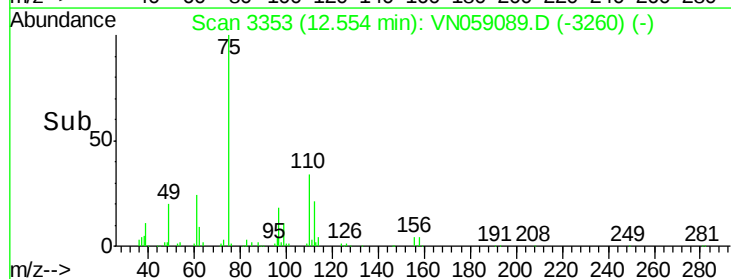
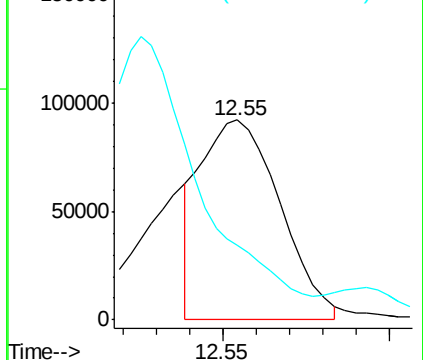
Tgt Ion: 75 Resp: 152939
Ion Ratio Lower Upper

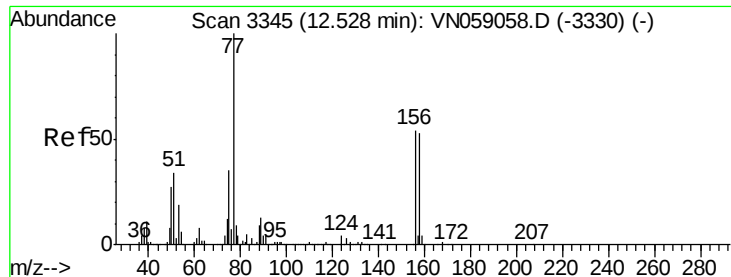
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.430 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

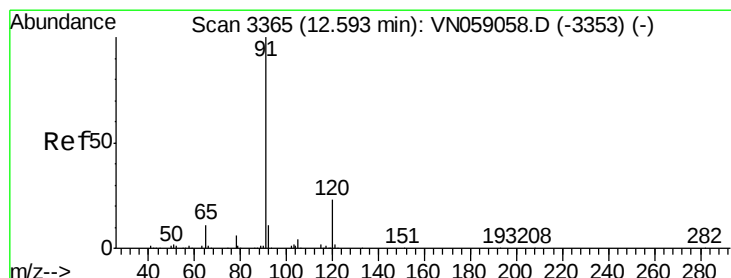
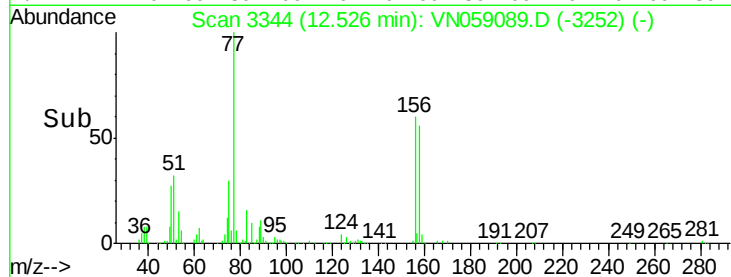
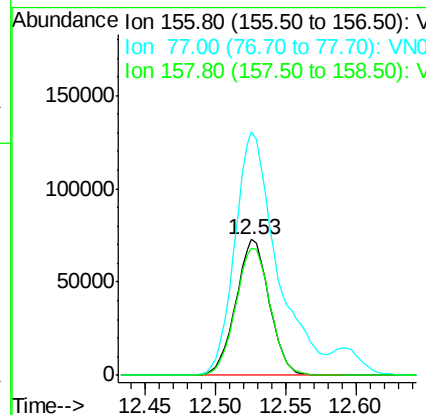
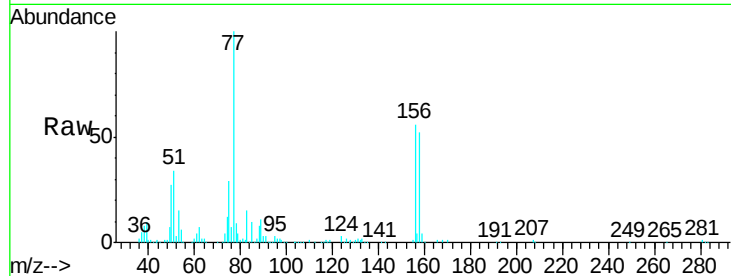
ClientSampleId :

VN1105WBSD01

Tgt Ion:	156	Resp:	121291
Ion Ratio	Lower	Upper	
156	100		
77	224.1	114.2	342.6
158	96.9	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.125 ug/l

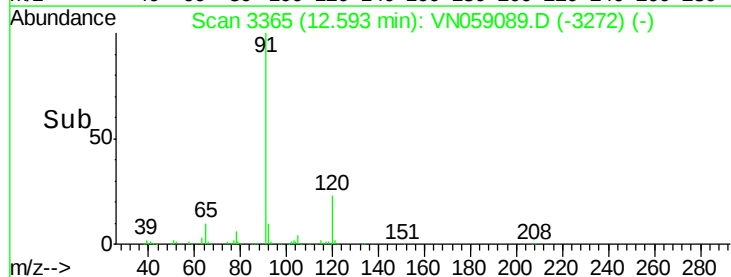
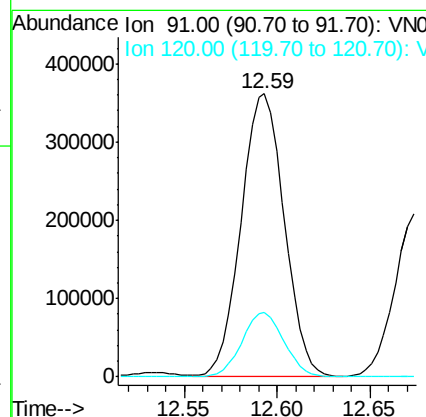
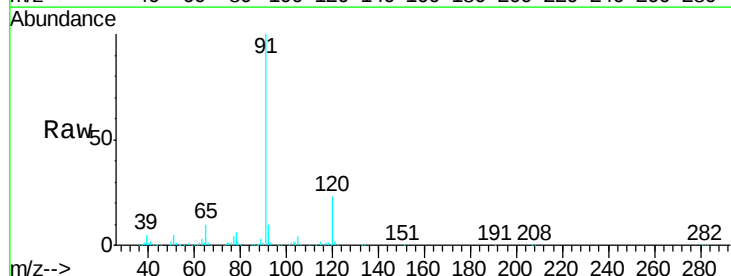
RT: 12.59 min Scan# 3365

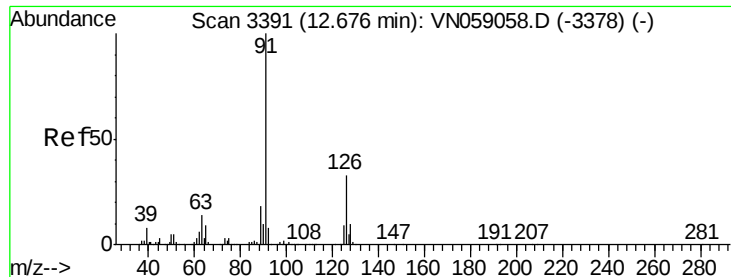
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	91	Resp:	580936
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.297 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBSD01

Tgt Ion: 91 Resp: 346587

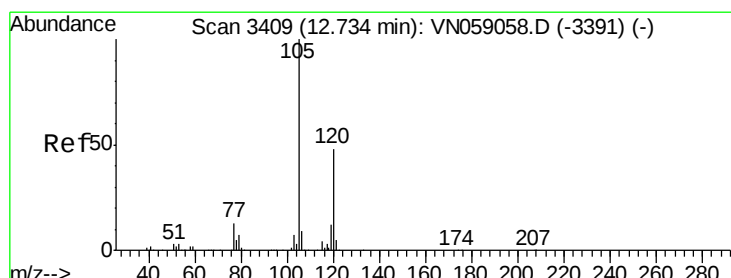
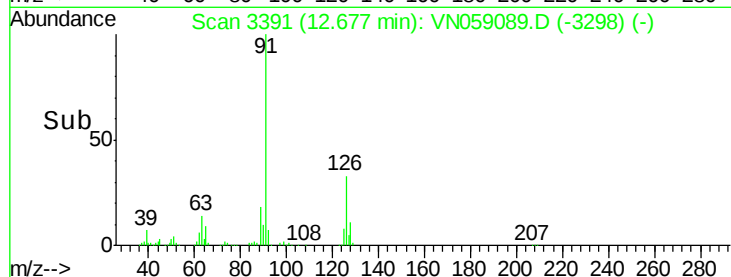
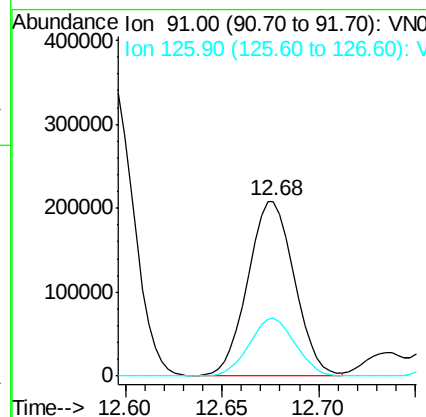
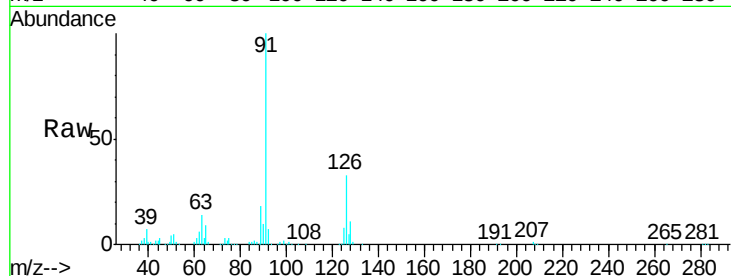
Ion Ratio Lower Upper

91 100

126 33.2 16.3 48.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.863 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059089.D

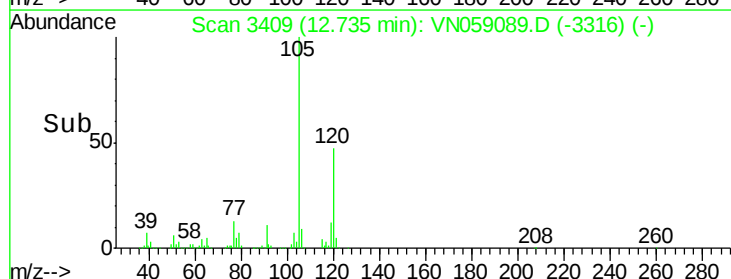
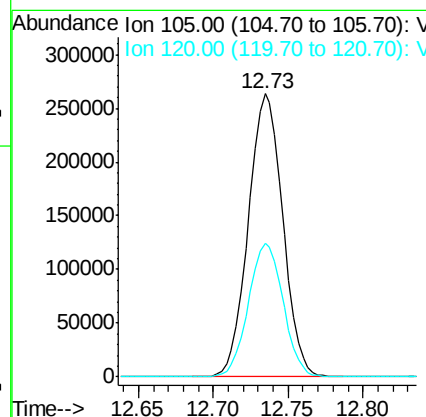
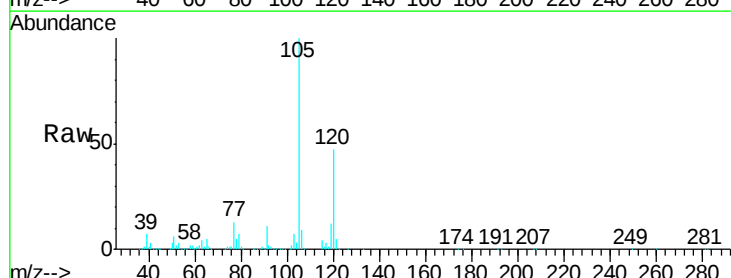
Acq: 5 Nov 2019 13:58

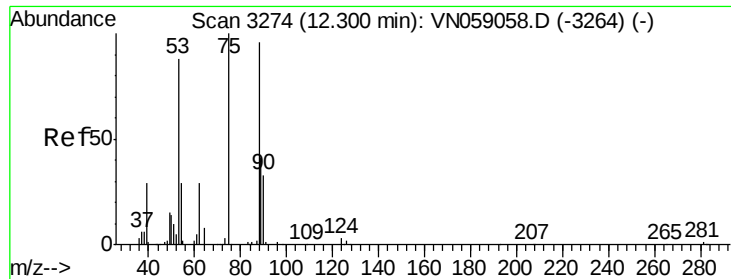
Tgt Ion: 105 Resp: 421020

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.909 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

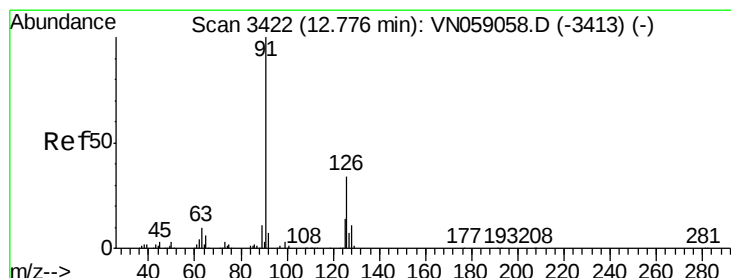
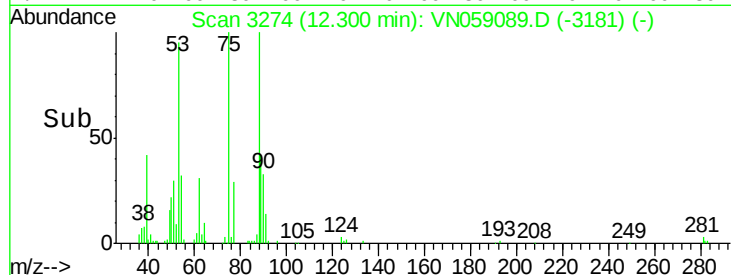
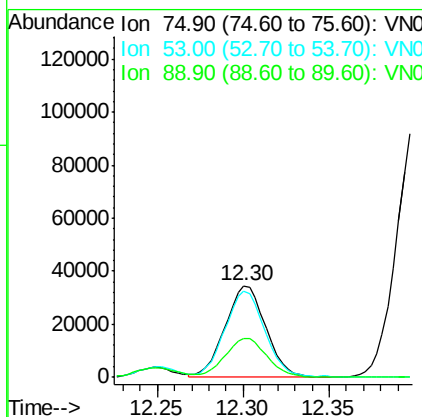
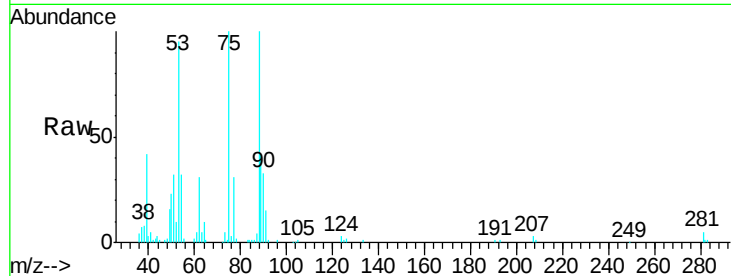
ClientSampleId :

VN1105WBSD01

Tgt Ion:	75	Resp:	56336
Ion Ratio	Lower	Upper	
75	100		
53	95.0	70.4	105.6
89	44.3	34.2	51.2

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#82

4-Chlorotoluene

Concen: 20.156 ug/l

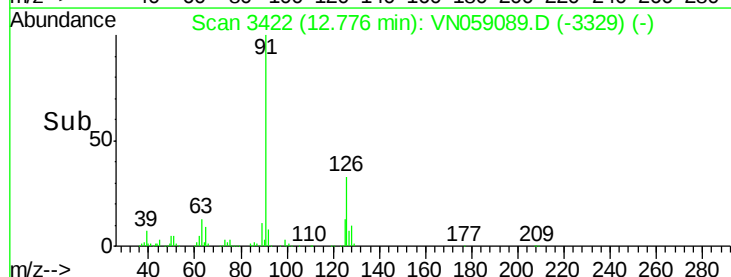
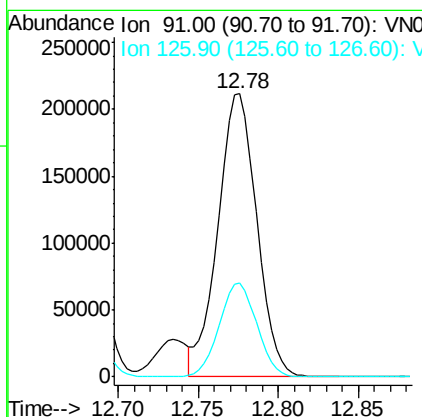
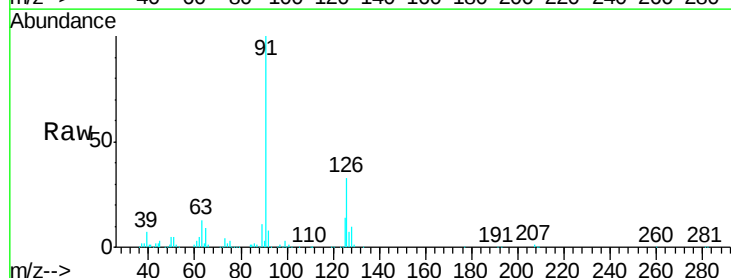
RT: 12.78 min Scan# 3422

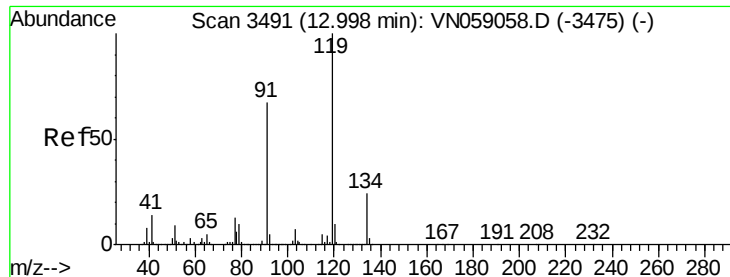
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	91	Resp:	351265
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.0	47.9





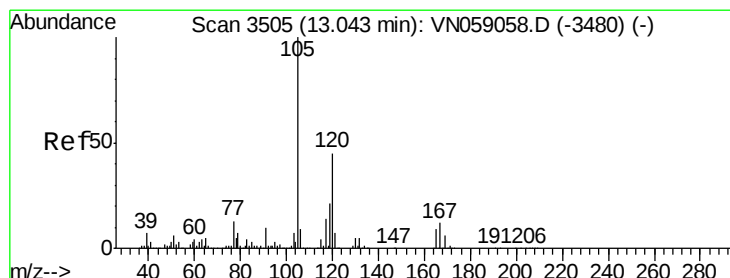
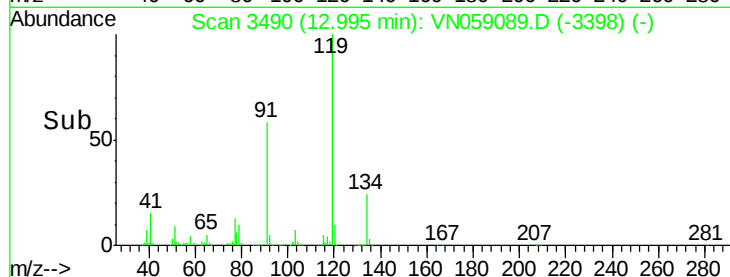
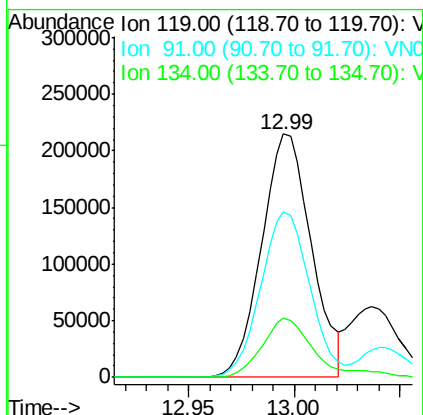
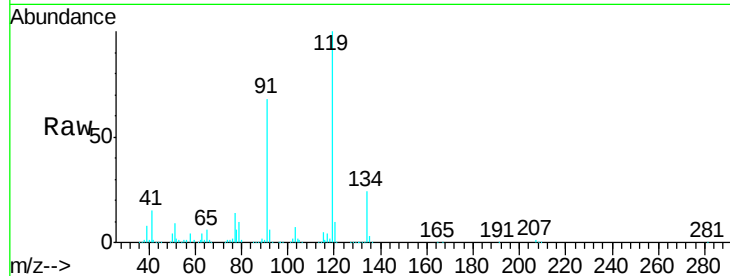
#83
 tert-Butylbenzene
 Concen: 20.568 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.7	101.0
134	24.0	12.9	38.7

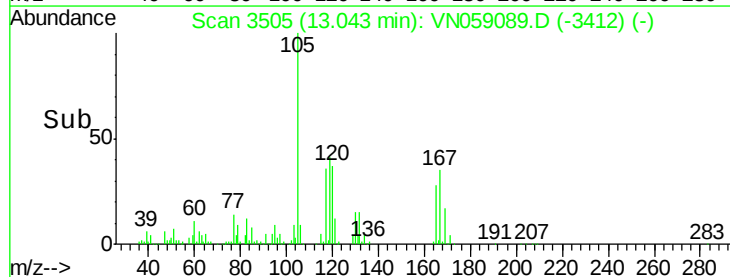
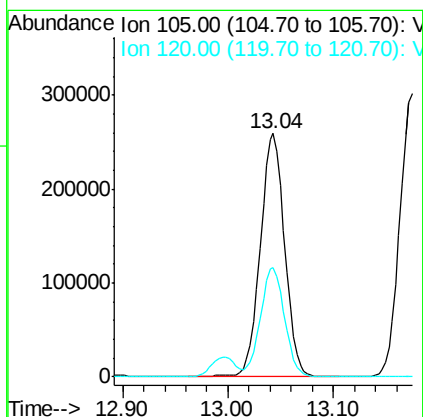
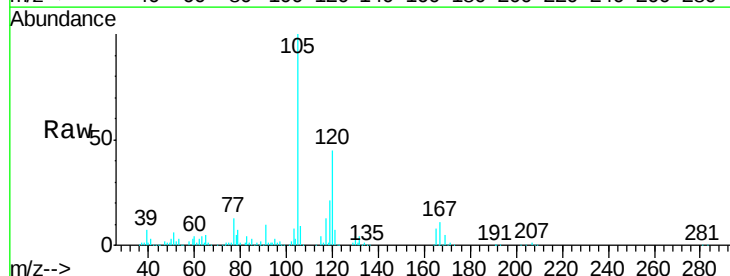
Manual Integrations
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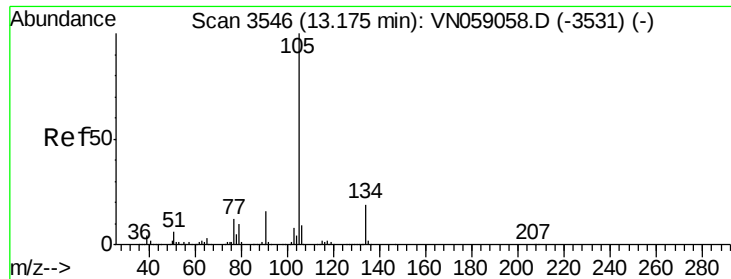
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.331 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9





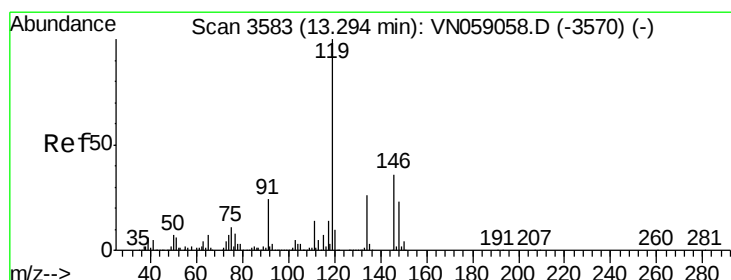
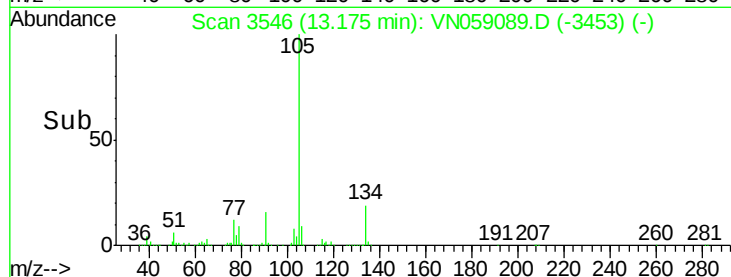
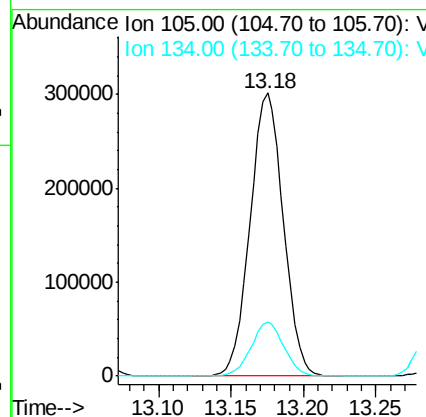
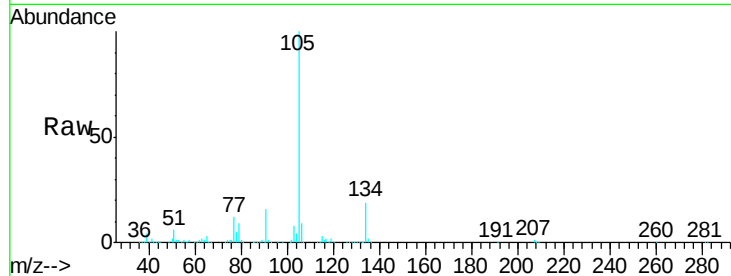
#85
 sec-Butylbenzene
 Concen: 21.312 ug/l
 RT: 13.18 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	478830		
134	18.9	9.8	29.4	

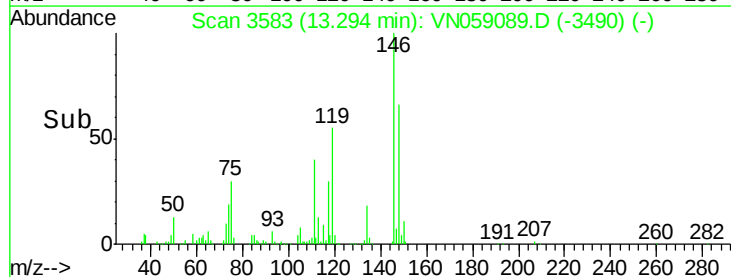
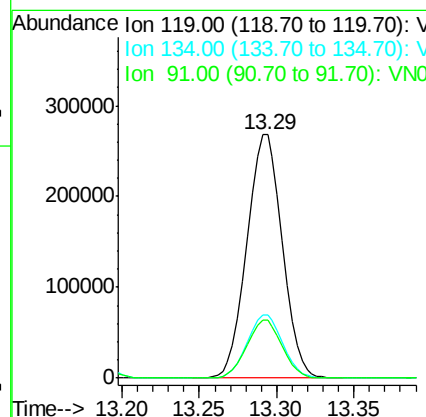
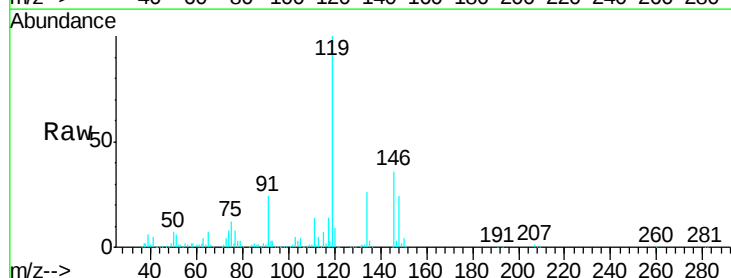
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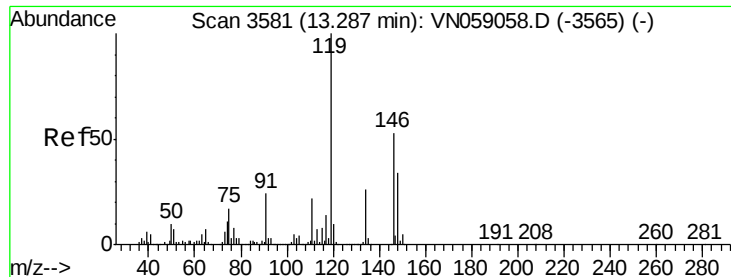
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#86
 p-Isopropyltoluene
 Concen: 21.017 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	425719		
134	26.1	13.0	39.0	
91	23.9	12.0	36.0	





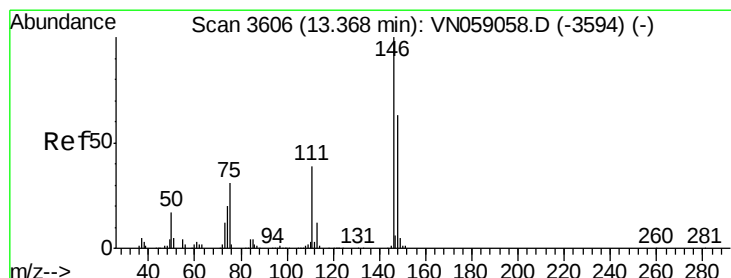
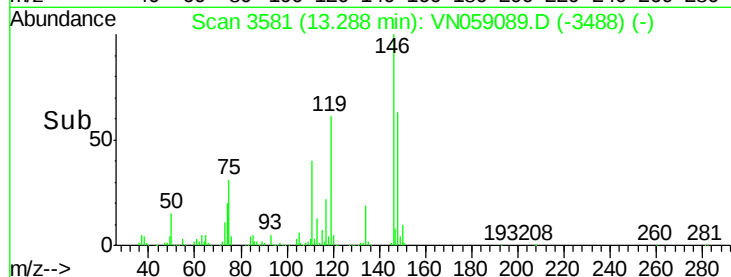
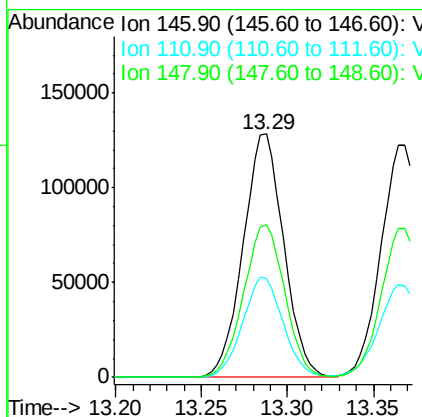
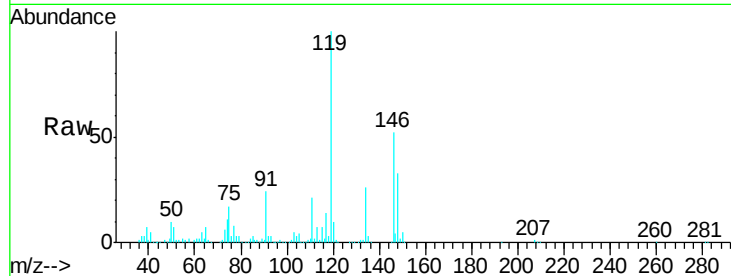
#87
 1,3-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210330		
111	40.9	20.5	61.5	
148	63.5	31.8	95.3	

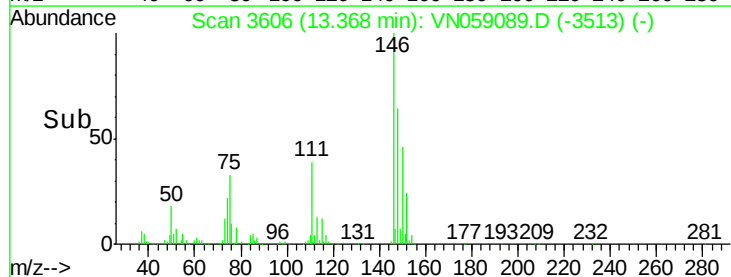
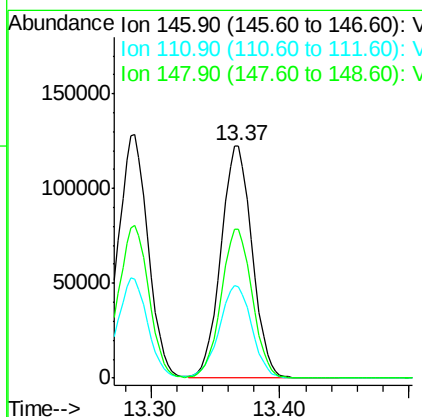
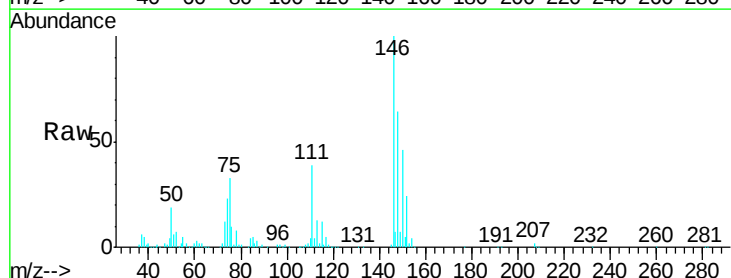
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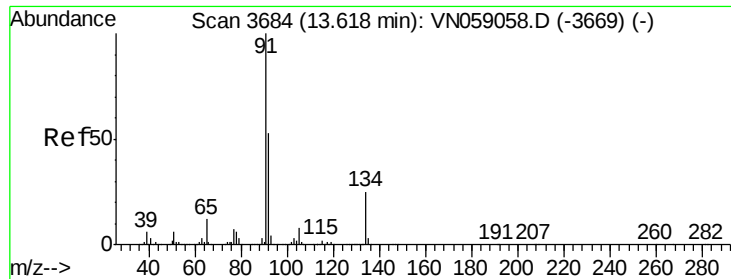
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#88
 1,4-Dichlorobenzene
 Concen: 19.729 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	205858		
111	41.2	20.1	60.2	
148	64.1	31.9	95.7	





#89

n-Butylbenzene

Concen: 20.503 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Instrument :

MSVOA_N

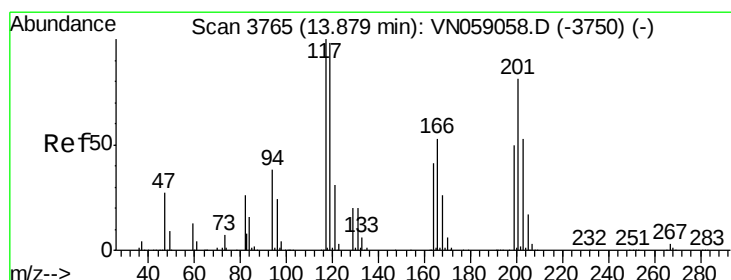
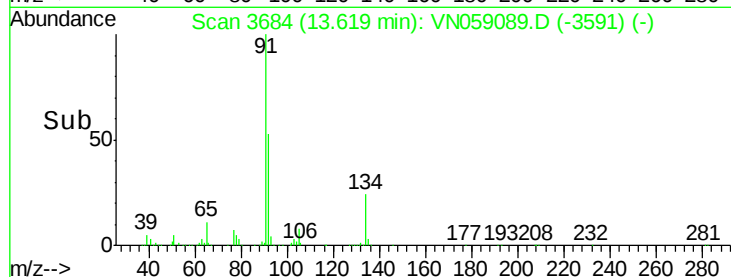
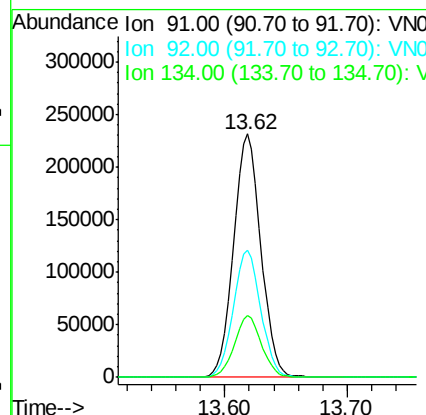
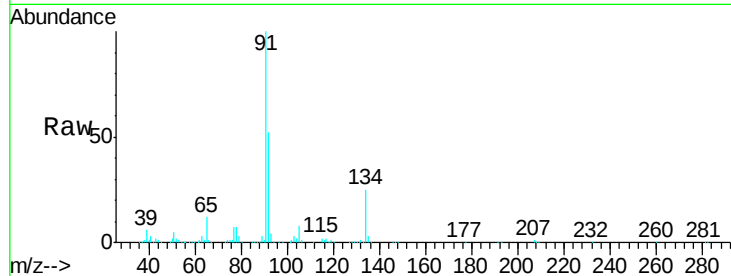
ClientSampleId :

VN1105WBSD01

Tgt Ion:	91	Resp:	361870
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	25.2	12.5	37.5

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#90

Hexachloroethane

Concen: 19.587 ug/l

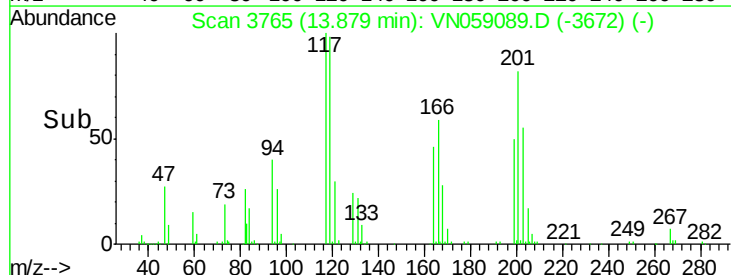
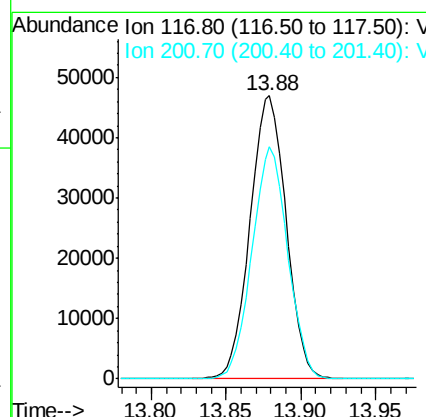
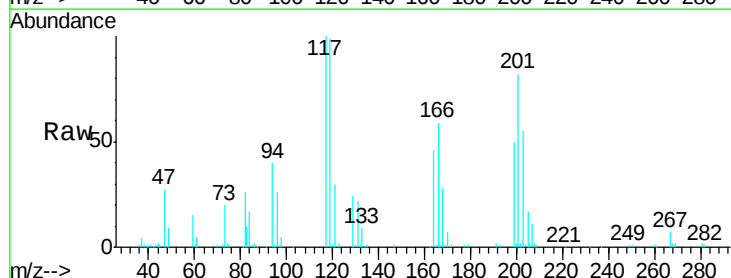
RT: 13.88 min Scan# 3765

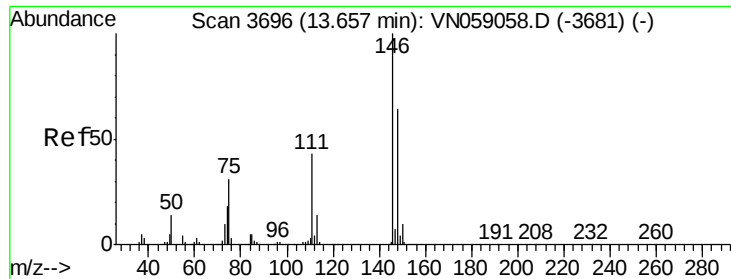
Delta R.T. 0.00 min

Lab File: VN059089.D

Acq: 5 Nov 2019 13:58

Tgt Ion:	117	Resp:	78868
Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.7	122.1





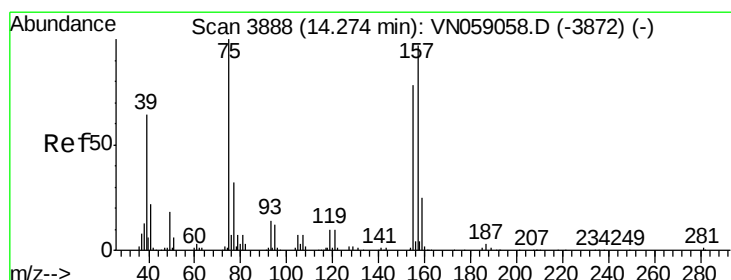
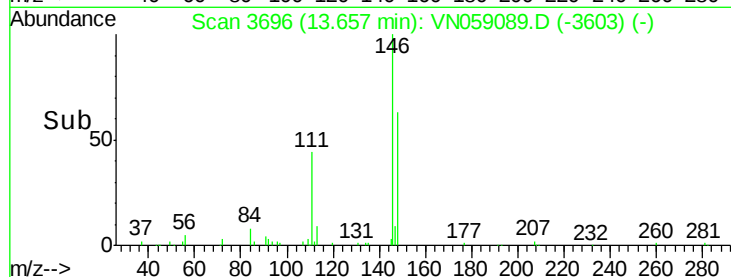
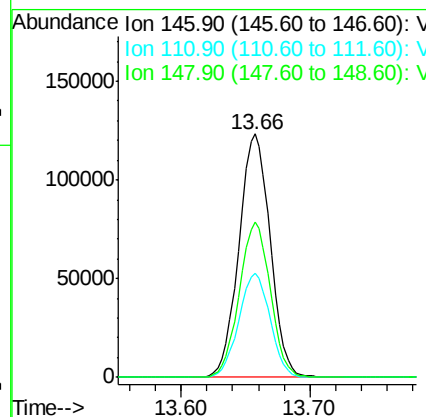
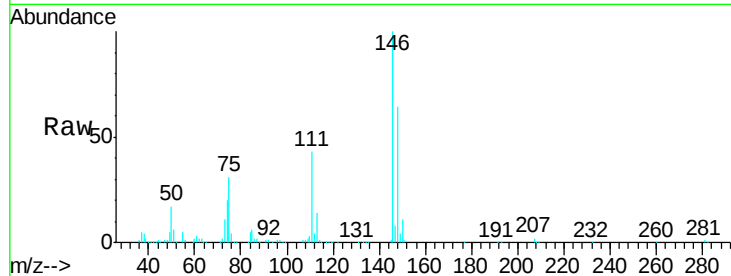
#91
 1,2-Dichlorobenzene
 Concen: 19.806 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207883		
111	42.7	21.2	63.6	
148	63.4	32.1	96.3	

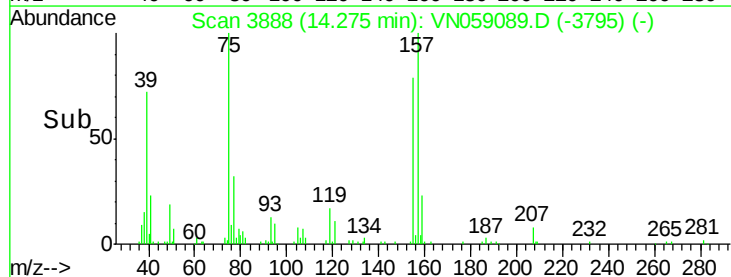
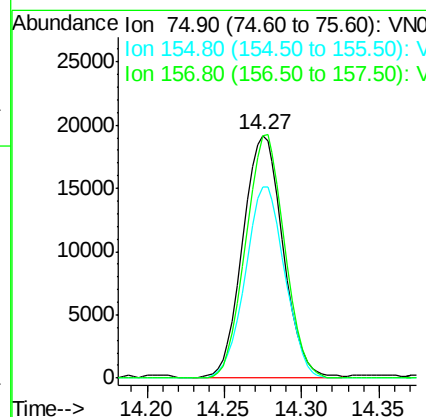
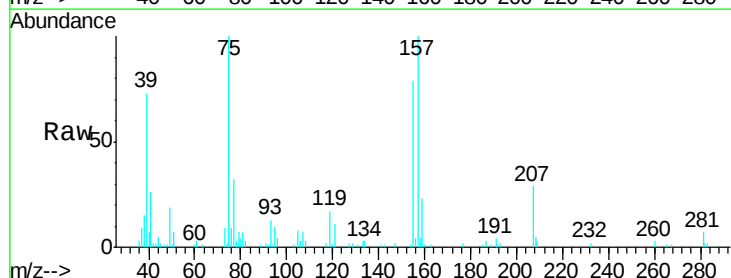
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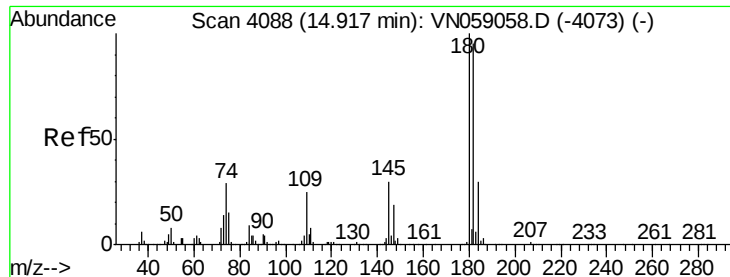
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.029 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34765		
155	77.3	39.7	119.1	
157	96.3	51.0	153.0	





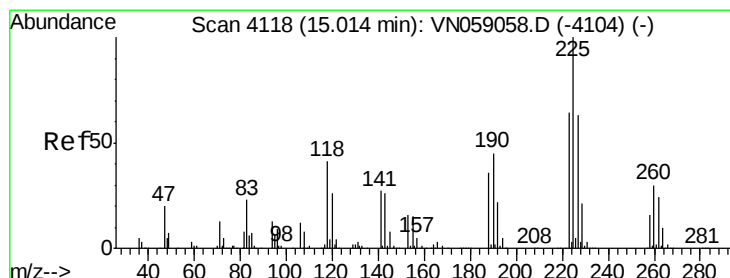
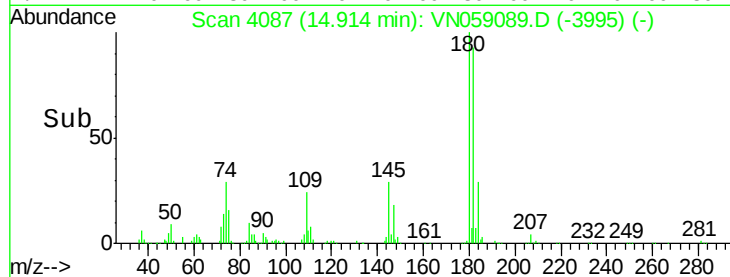
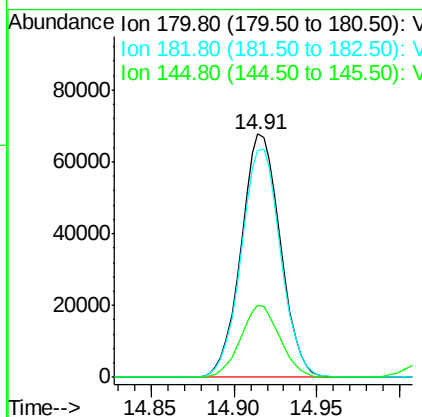
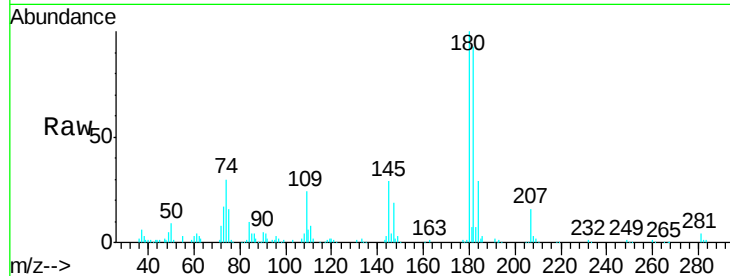
#93
 1,2,4-Trichlorobenzene
 Concen: 19.626 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111105		
182	94.8	47.8	143.4	
145	29.7	15.1	45.3	

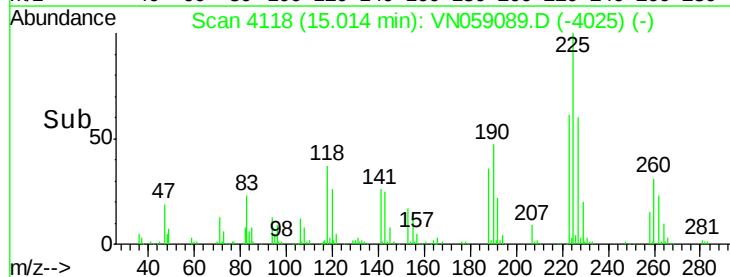
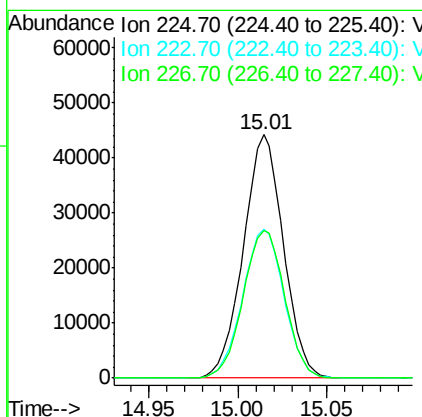
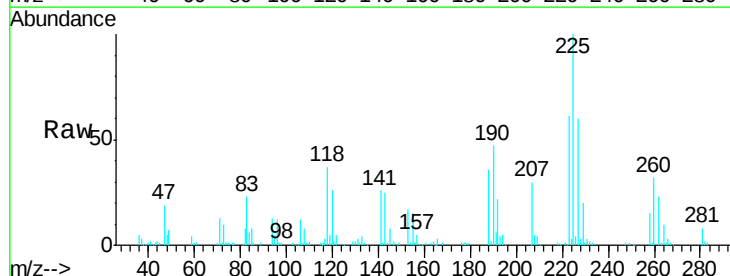
Manual Integrations
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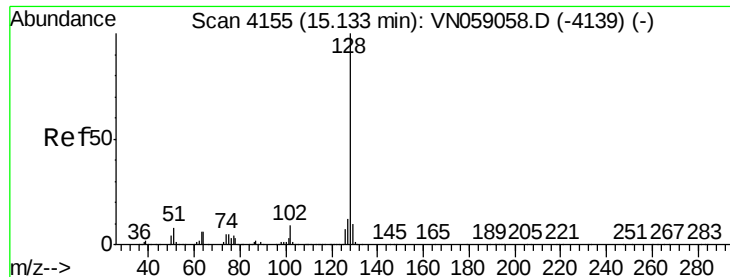
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#94
 Hexachlorobutadiene
 Concen: 20.451 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059089.D
 Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69486		
223	63.0	31.6	95.0	
227	62.5	31.9	95.7	





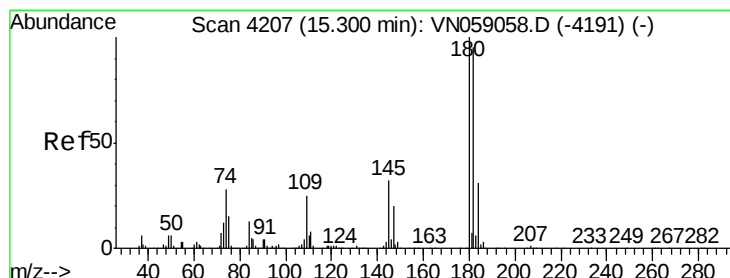
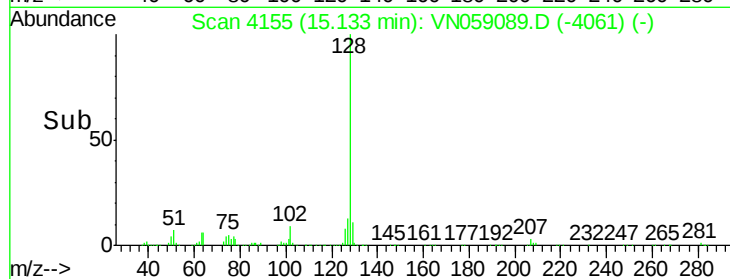
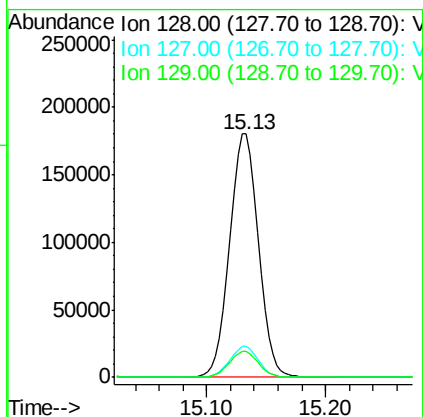
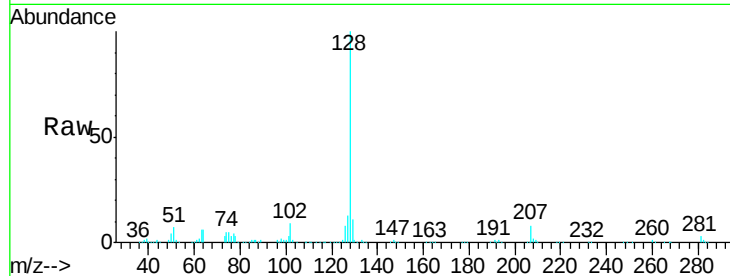
#95
Naphthalene
Concen: 19.119 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	9.9	14.9
129	10.9	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.581 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059089.D
Acq: 5 Nov 2019 13:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.7	143.1
145	32.6	16.0	48.0

