

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059079.D
 Acq On : 4 Nov 2019 12:18
 Operator : JC/SP
 Sample : VN1104WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 2:00:07 PM

Quant Time: Nov 05 03:10:34 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	502270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	782773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	695666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	313447	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	7.57	113	236015	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.08	98	936912	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.40	95	319038	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	100152	18.442	ug/l	99
3) Chloromethane	2.04	50	130830	17.767	ug/l	100
4) Vinyl Chloride	2.17	62	131363	18.379	ug/l	97
5) Bromomethane	2.54	94	74618	17.658	ug/l	100
6) Chloroethane	2.68	64	78833	18.009	ug/l	99
7) Trichlorofluoromethane	3.00	101	157799	18.579	ug/l	100
8) Diethyl Ether	3.39	74	59922	18.066	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93573	18.692	ug/l	99
10) Methyl Iodide	3.93	142	107488	17.665	ug/l	98
11) Tert butyl alcohol	4.75	59	107892	87.637	ug/l	100
12) 1,1-Dichloroethene	3.71	96	90854	18.249	ug/l	99
13) Acrolein	3.58	56	66362	85.426	ug/l	99
14) Allyl chloride	4.30	41	178568	18.100	ug/l	99
15) Acrylonitrile	4.95	53	281343	91.099	ug/l	100
16) Acetone	3.79	43	324579	96.382	ug/l	99
17) Carbon Disulfide	4.03	76	270611	17.097	ug/l	99
18) Methyl Acetate	4.30	43	143587	16.830	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	307050	18.108	ug/l	98
20) Methylene Chloride	4.52	84	105767	17.941	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	97480	18.238	ug/l	99
22) Diisopropyl ether	5.92	45	356320	18.962	ug/l	98
23) Vinyl Acetate	5.87	43	1459234	97.498	ug/l	100
24) 1,1-Dichloroethane	5.82	63	197470	18.381	ug/l	100
25) 2-Butanone	6.81	43	412540	91.999	ug/l	99
26) 2,2-Dichloropropane	6.80	77	167950	18.011	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	111469	18.522	ug/l	99
28) Bromochloromethane	7.17	49	63201	19.061	ug/l	100
29) Tetrahydrofuran	7.19	42	262278	92.679	ug/l	99
30) Chloroform	7.35	83	186702	18.173	ug/l	98
31) Cyclohexane	7.63	56	186298	18.180	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	162137	18.654	ug/l	99
36) 1,1-Dichloropropene	7.77	75	143144	18.399	ug/l	99
37) Ethyl Acetate	6.90	43	161167	18.645	ug/l	99
38) Carbon Tetrachloride	7.75	117	142180	18.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	165444	18.398	ug/l	96
40) Benzene	8.02	78	433345	18.769	ug/l	100
41) Methacrylonitrile	7.15	41	63183	16.904	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	151306	18.870	ug/l	100
43) Isopropyl Acetate	8.14	43	244467	18.085	ug/l	97
44) Trichloroethene	8.82	130	106055	18.669	ug/l	99
45) 1,2-Dichloropropane	9.10	63	118381	18.959	ug/l	98
46) Dibromomethane	9.19	93	72429	18.768	ug/l	98
47) Bromodichloromethane	9.39	83	145011	18.554	ug/l	100
48) Methyl methacrylate	9.18	41	110258	17.888	ug/l	99
49) 1,4-Dioxane	9.18	88	39254	390.421	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	782166	99.604	ug/l	97
52) Toluene	10.15	92	260183	19.232	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	161668	17.889	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	180115	18.895	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	102766	18.648	ug/l	98
56) Ethyl methacrylate	10.42	69	152794	17.588	ug/l	98
57) 1,3-Dichloropropane	10.70	76	179189	18.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	317095	94.858	ug/l	99
59) 2-Hexanone	10.75	43	584881	98.040	ug/l	98
60) Dibromochloromethane	10.90	129	108169	18.213	ug/l	99
61) 1,2-Dibromoethane	11.00	107	105658	18.925	ug/l	99
64) Tetrachloroethene	10.63	164	94253	19.395	ug/l	98
65) Chlorobenzene	11.43	112	270687	18.958	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	100715	19.173	ug/l	99
67) Ethyl Benzene	11.51	91	483718	19.571	ug/l	100
68) m/p-Xylenes	11.62	106	362872	39.317	ug/l	98
69) o-Xylene	11.95	106	170301	19.323	ug/l	100
70) Styrene	11.96	104	271275	18.994	ug/l	99
71) Bromoform	12.13	173	75946	18.678	ug/l #	100
73) Isopropylbenzene	12.25	105	464894	20.174	ug/l	100
74) N-amyl acetate	12.07	43	192563	18.785	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	156847	19.107	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	143929m	19.417	ug/l	
77) Bromobenzene	12.53	156	111464	19.345	ug/l	98
78) n-propylbenzene	12.59	91	543646	20.369	ug/l	100
79) 2-Chlorotoluene	12.68	91	327637	19.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	389167	19.871	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51524	17.819	ug/l	94
82) 4-Chlorotoluene	12.78	91	325391	19.239	ug/l	99
83) tert-Butylbenzene	13.00	119	335462	20.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	392481	20.624	ug/l	99
85) sec-Butylbenzene	13.17	105	446470	20.476	ug/l	99
86) p-Isopropyltoluene	13.29	119	398890	20.291	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	194550	19.004	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	192609	19.020	ug/l	99
89) n-Butylbenzene	13.62	91	339053	19.794	ug/l	100
90) Hexachloroethane	13.88	117	72474	18.546	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	194657	19.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31612	17.829	ug/l	99

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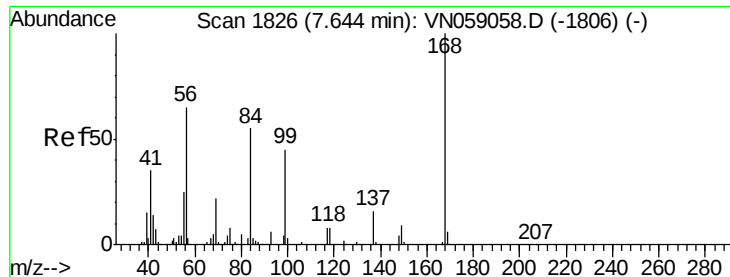
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	101210	18.421	ug/l	100
94) Hexachlorobutadiene	15.01	225	64067	19.429	ug/l	99
95) Naphthalene	15.13	128	274589	18.062	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103505	18.510	ug/l	98

(#) = 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

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Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 168 Resp: 502270

Ion Ratio Lower Upper

168 100

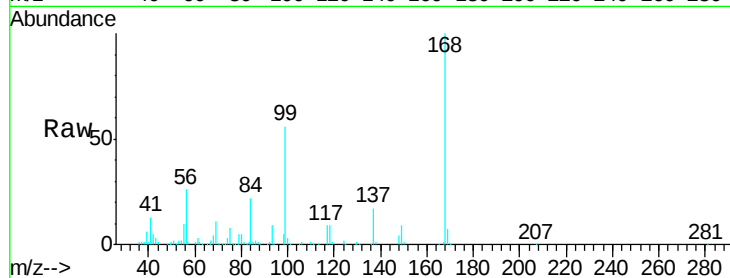
99 55.5 44.1 66.1

Manual Integrations

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11/5/2019 2:00:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

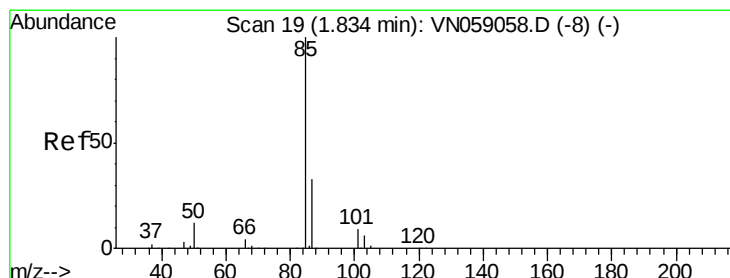
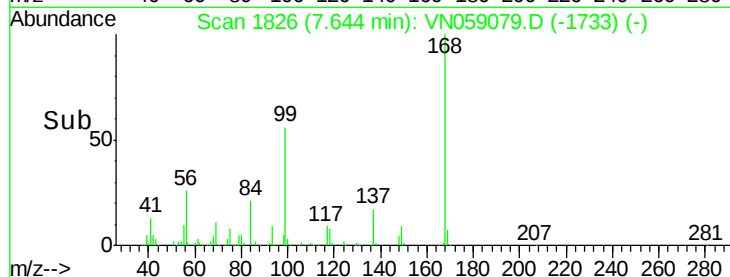
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.442 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059079.D

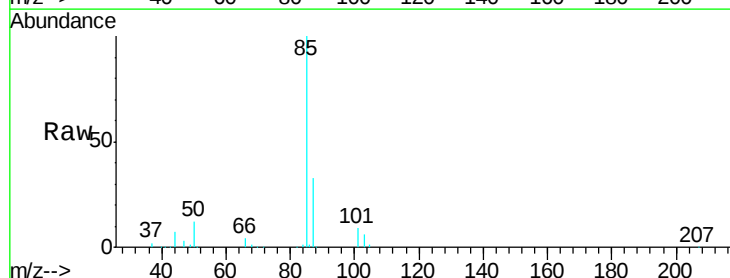
Acq: 4 Nov 2019 12:18

Tgt Ion: 85 Resp: 100152

Ion Ratio Lower Upper

85 100

87 33.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

40000

20000

0

1.75

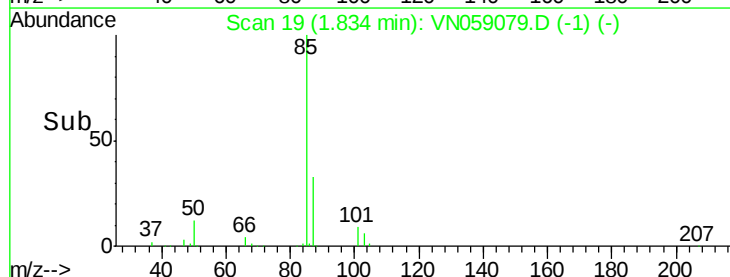
1.80

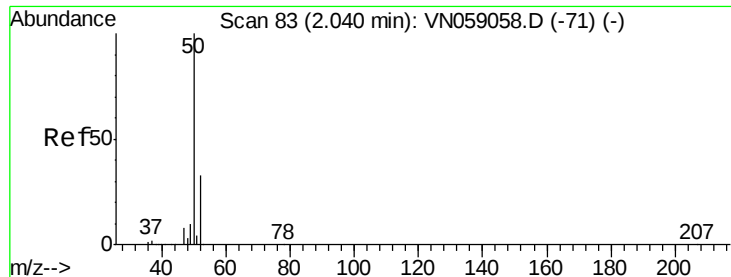
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 50 Resp: 130830

Ion Ratio Lower Upper

50 100

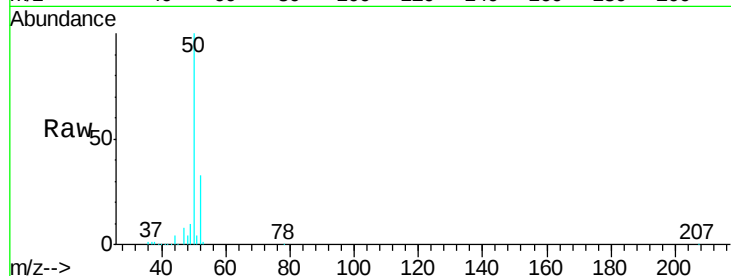
52 32.6 26.3 39.5

Manual Integrations

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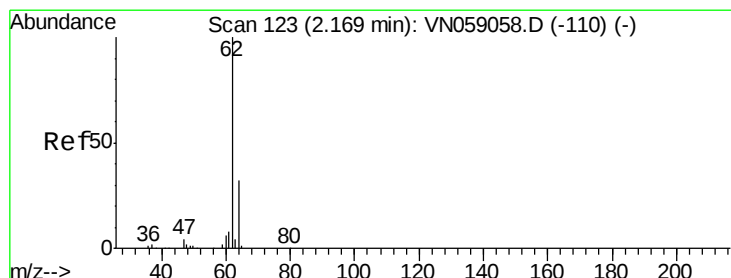
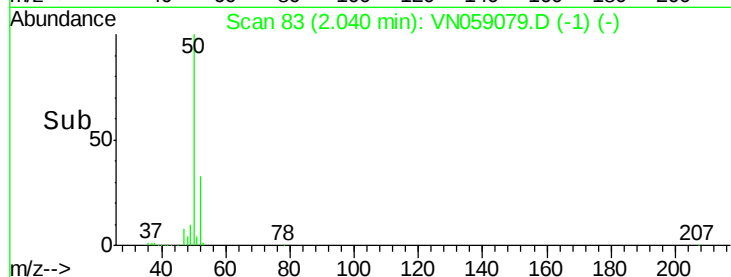
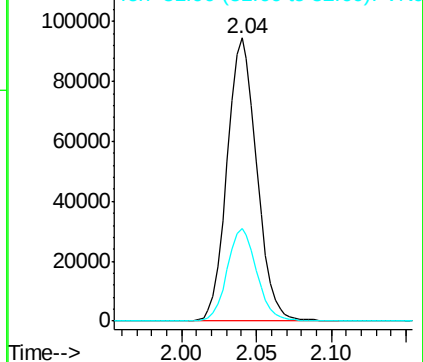
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.379 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059079.D

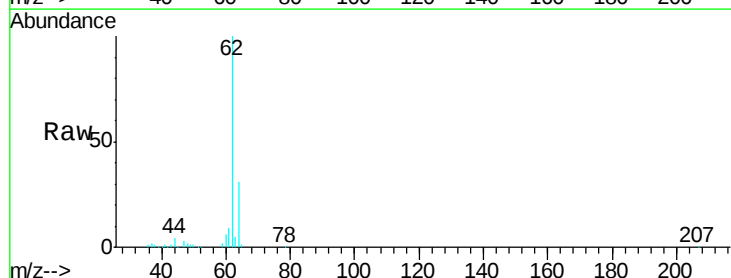
Acq: 4 Nov 2019 12:18

Tgt Ion: 62 Resp: 131363

Ion Ratio Lower Upper

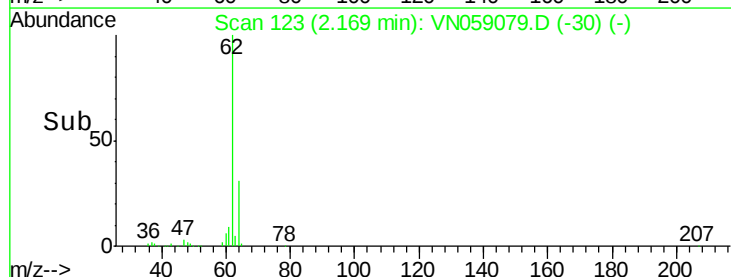
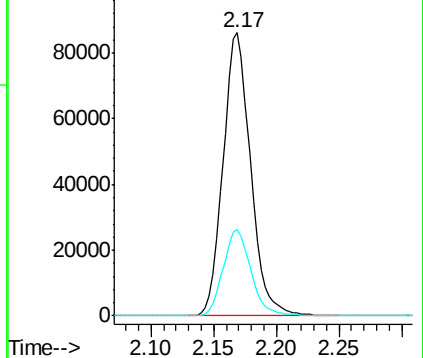
62 100

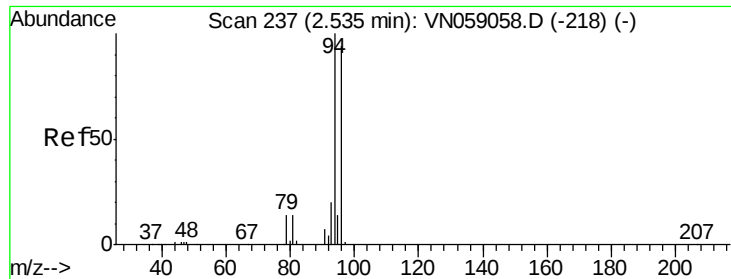
64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.658 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

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VN1104WBS02

Tgt Ion: 94 Resp: 74618

Ion Ratio Lower Upper

94 100

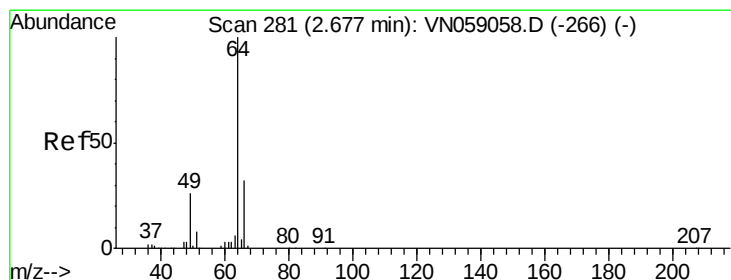
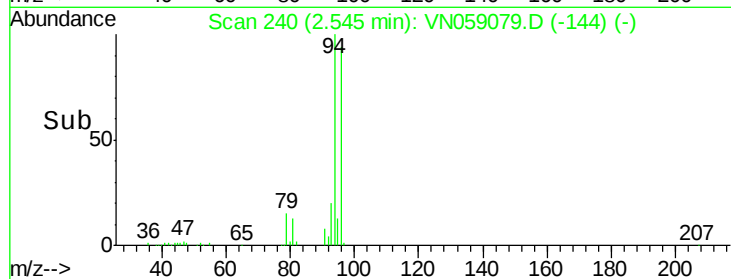
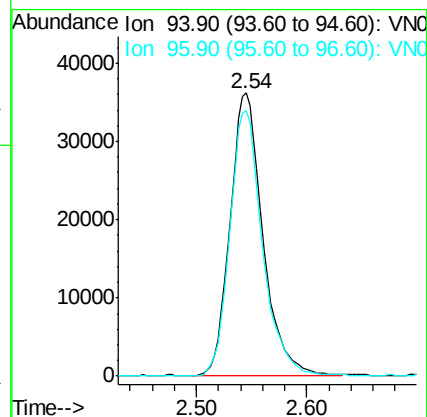
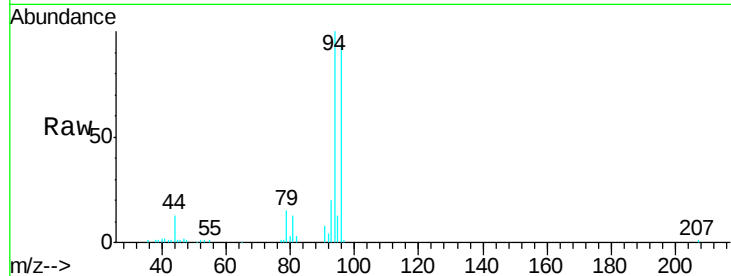
96 93.6 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 18.009 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059079.D

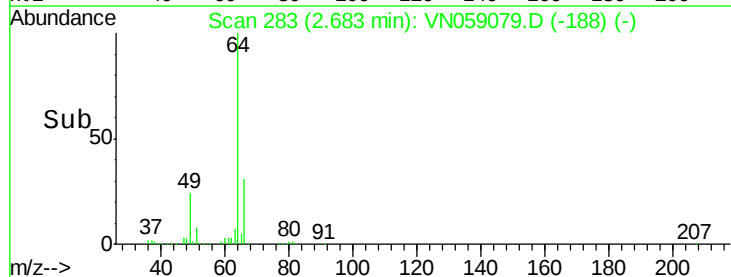
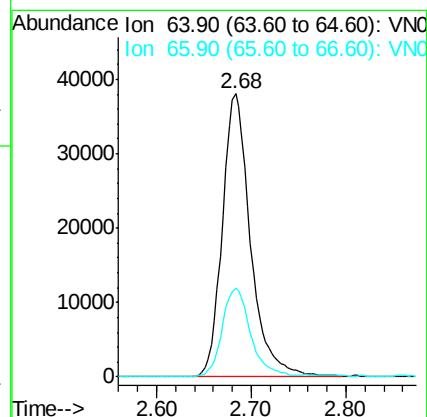
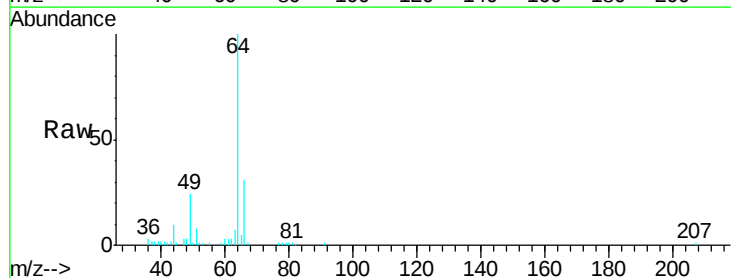
Acq: 4 Nov 2019 12:18

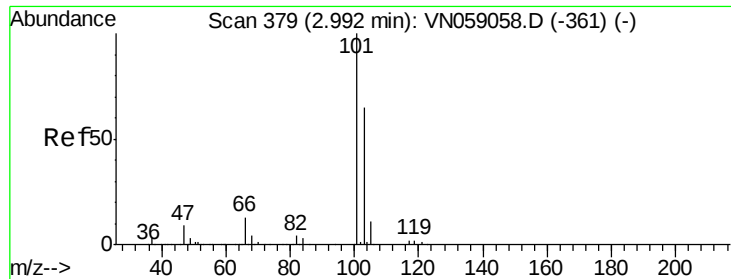
Tgt Ion: 64 Resp: 78833

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

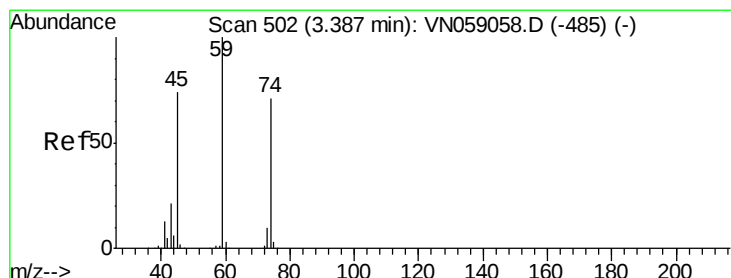
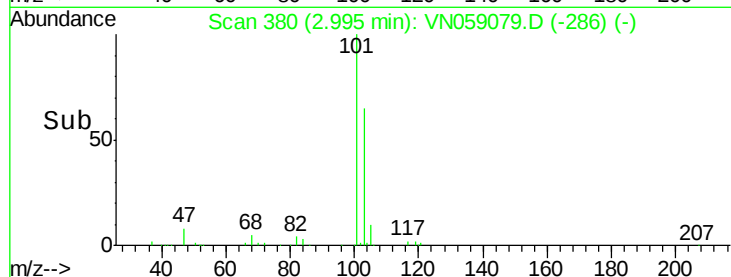
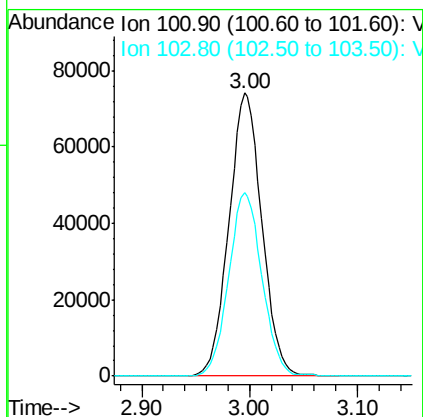
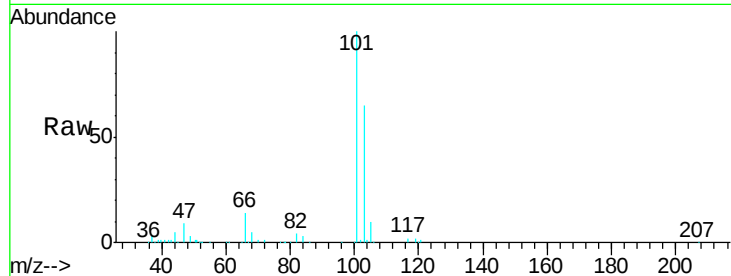
Trichlorofluoromethane
Concen: 18.579 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

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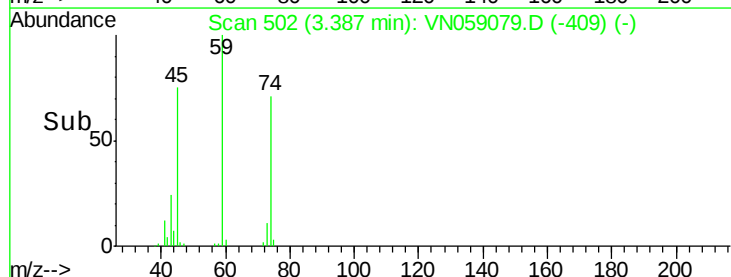
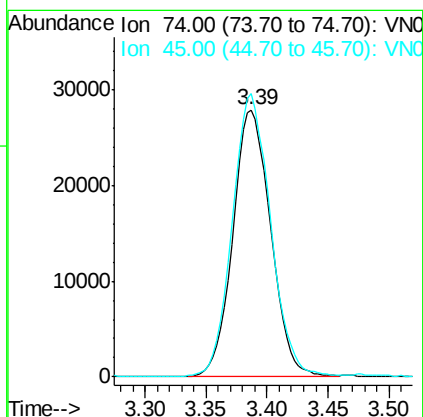
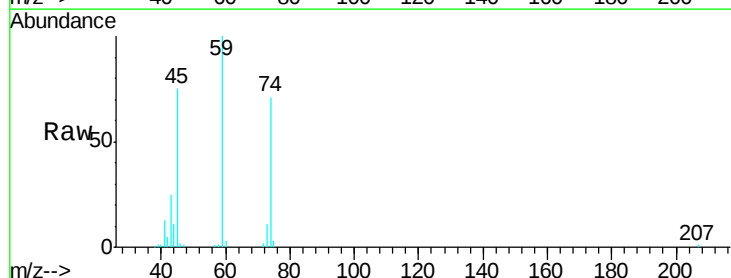
MMDadoda
11/5/2019 2:00:07 PM

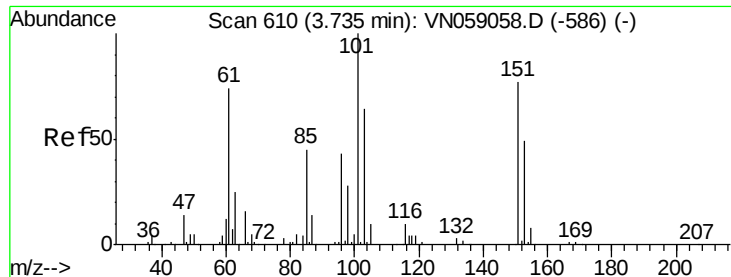


#8

Diethyl Ether
Concen: 18.066 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.692 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

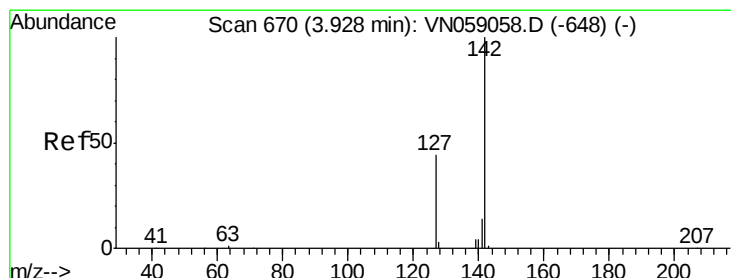
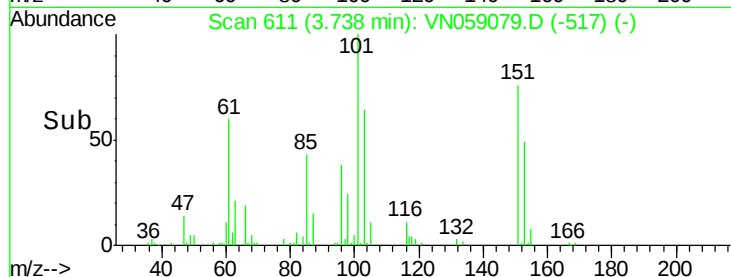
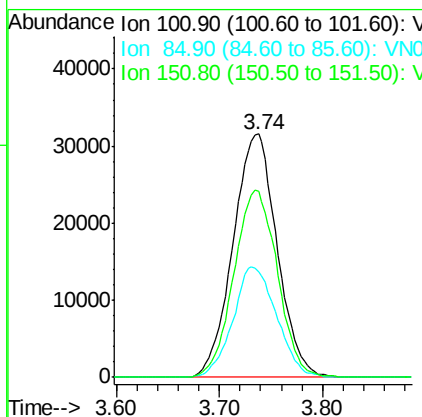
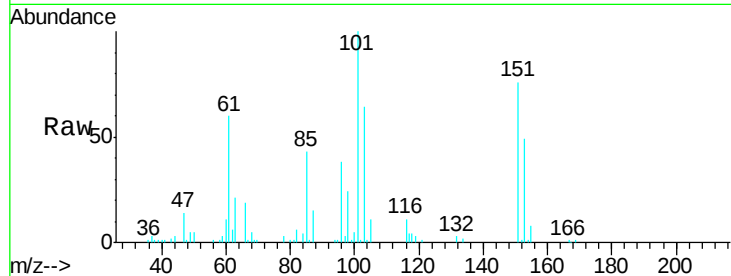
ClientSampleId :

VN1104WBS02

Tgt Ion:	101	Resp:	93573
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.6
151	76.0	61.3	91.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.665 ug/l

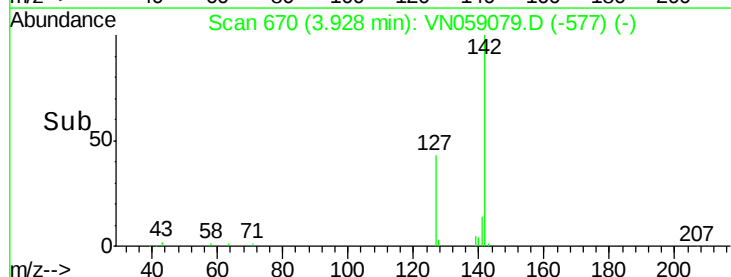
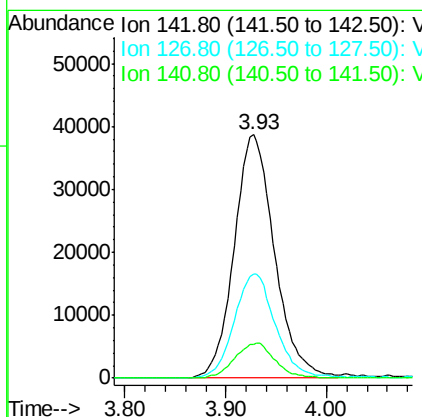
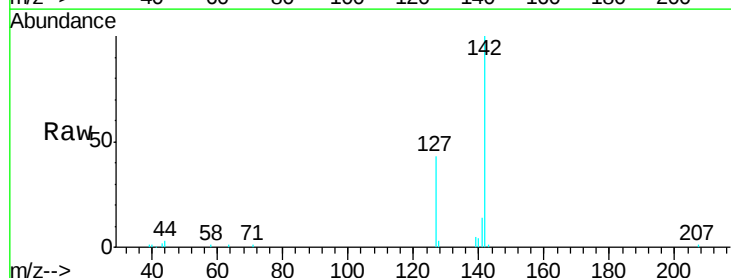
RT: 3.93 min Scan# 670

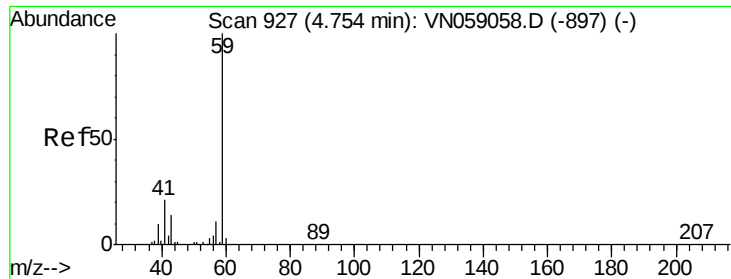
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	142	Resp:	107488
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.2
141	14.3	11.1	16.7





#11

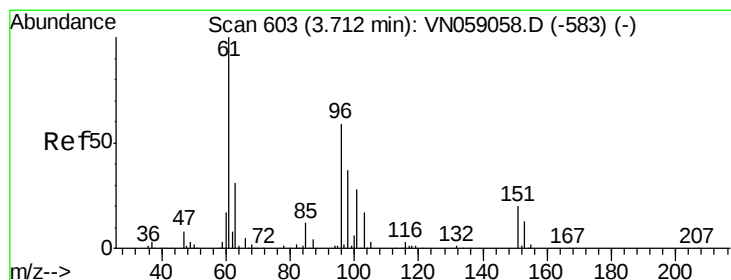
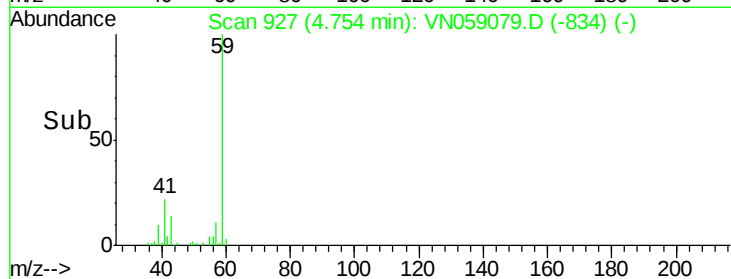
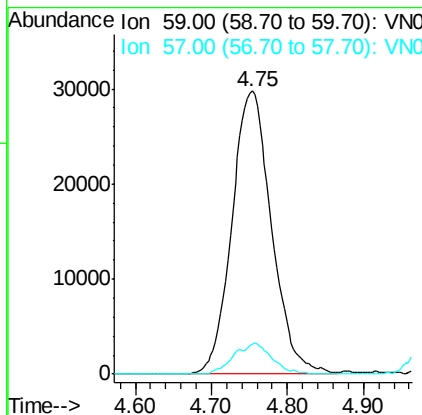
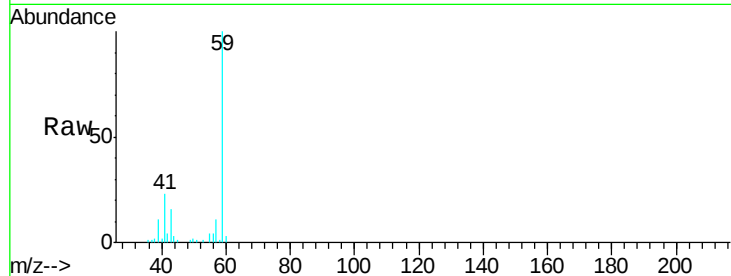
Tert butyl alcohol
Concen: 87.637 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
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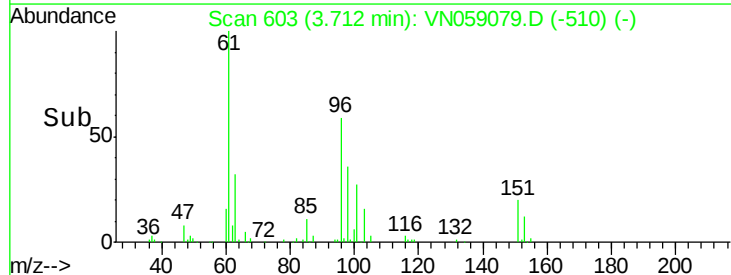
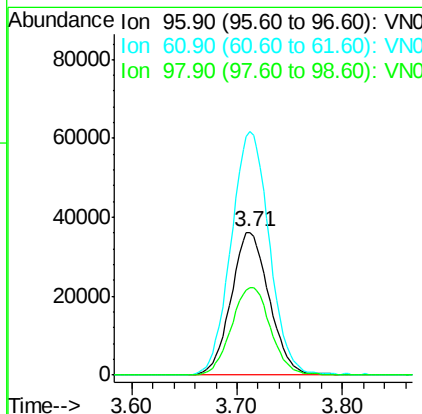
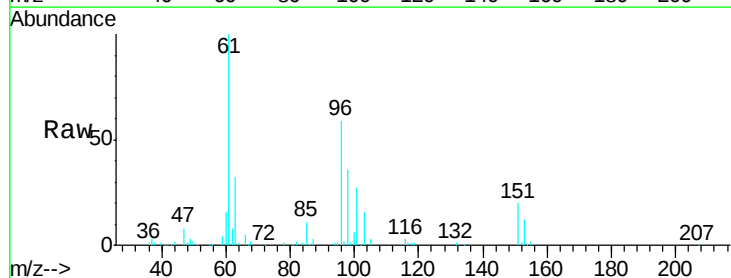
MMDadoda
11/5/2019 2:00:07 PM

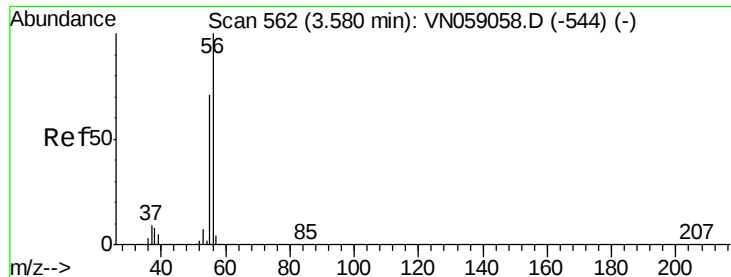


#12

1,1-Dichloroethene
Concen: 18.249 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	135.3	202.9
98	61.1	49.4	74.2





#13

Acrolein

Concen: 85.426 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 56 Resp: 66362

Ion Ratio Lower Upper

56 100

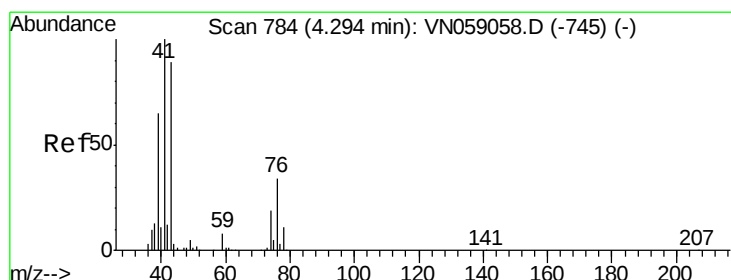
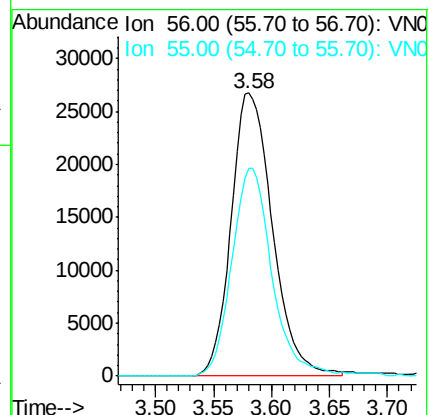
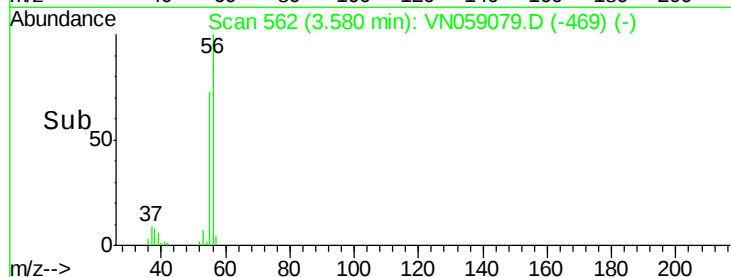
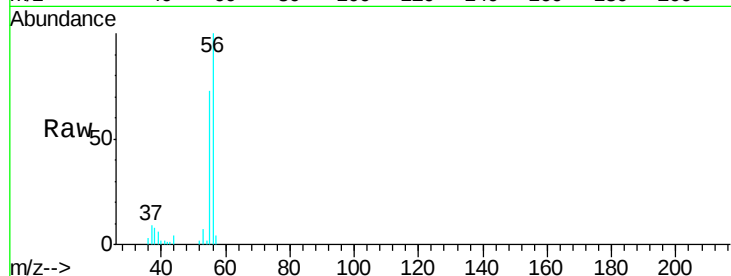
55 70.8 56.1 84.1

Manual Integrations

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MMDadoda

11/5/2019 2:00:07 PM



#14

Allyl chloride

Concen: 18.100 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

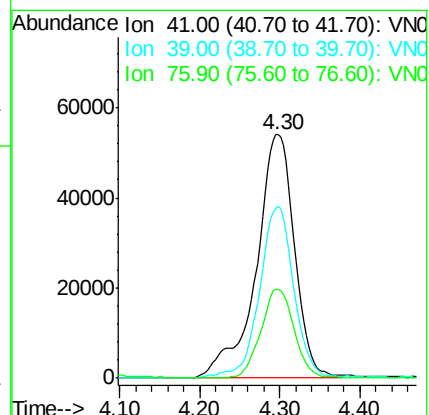
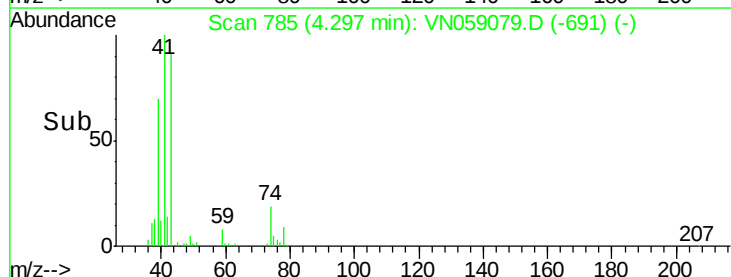
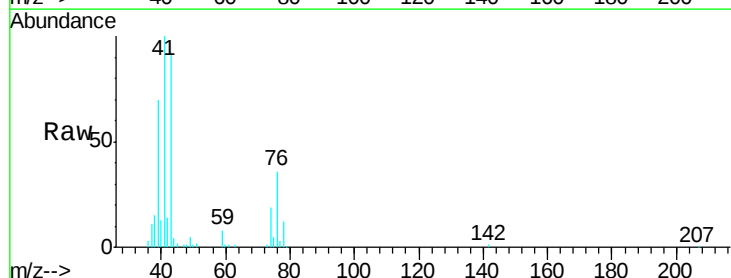
Tgt Ion: 41 Resp: 178568

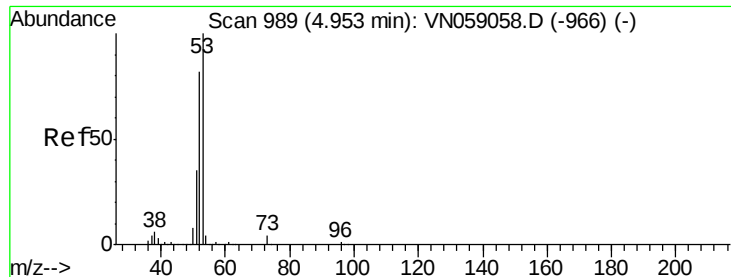
Ion Ratio Lower Upper

41 100

39 62.9 49.4 74.2

76 31.7 24.6 37.0





#15

Acrylonitrile

Concen: 91.099 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

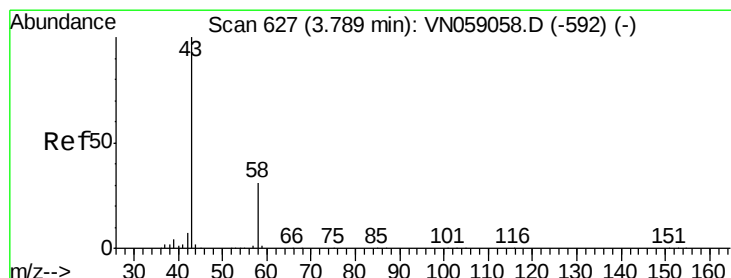
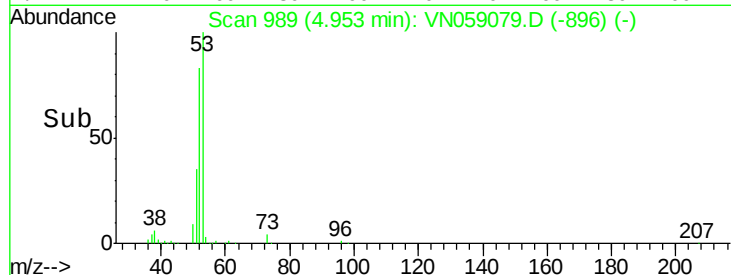
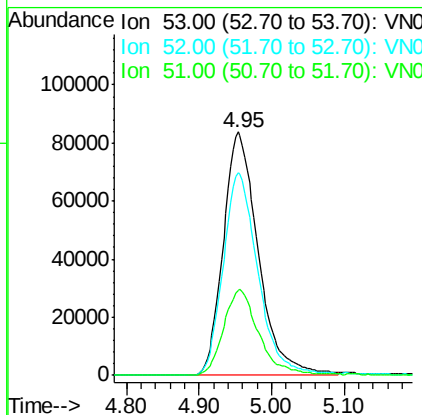
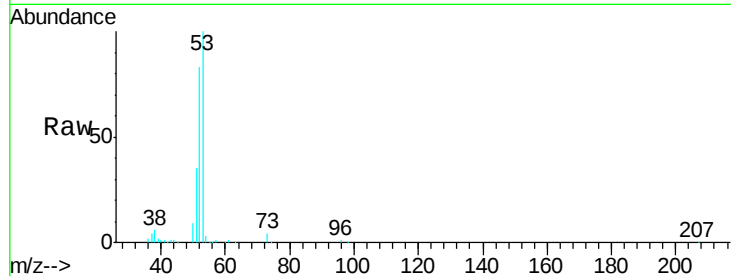
ClientSampleId :

VN1104WBS02

Tgt Ion:	53	Resp:	281343
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 96.382 ug/l

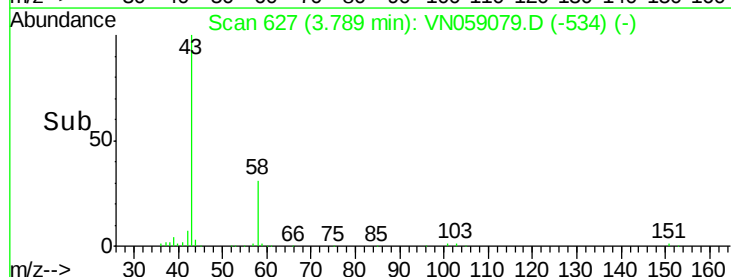
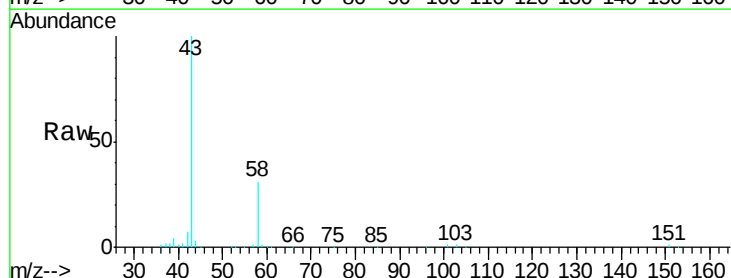
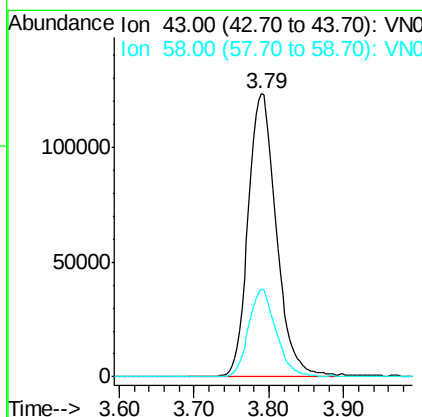
RT: 3.79 min Scan# 627

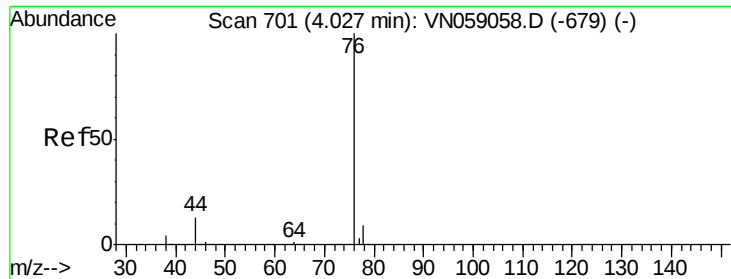
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	43	Resp:	324579
Ion Ratio		Lower	Upper
43	100		
58	31.0	25.0	37.6





#17

Carbon Disulfide

Concen: 17.097 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 76 Resp: 270611

Ion Ratio Lower Upper

76 100

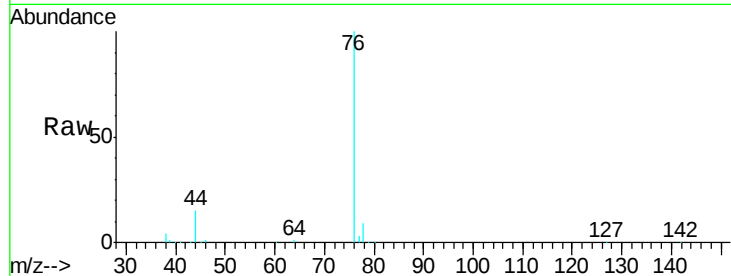
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

120000

100000

80000

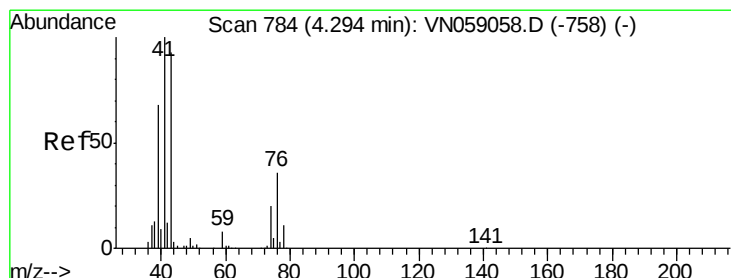
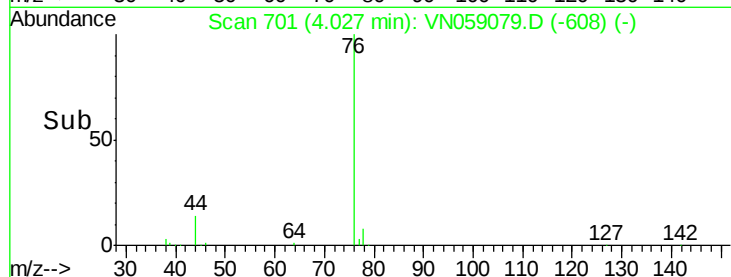
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 16.830 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059079.D

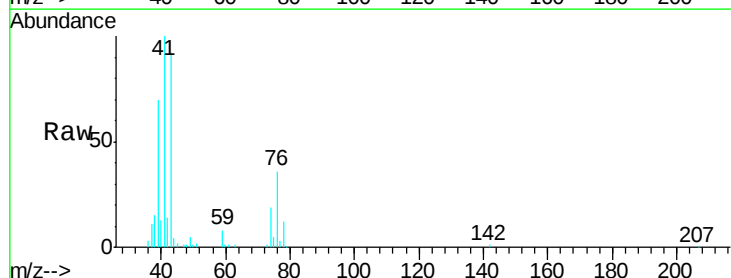
Acq: 4 Nov 2019 12:18

Tgt Ion: 43 Resp: 143587

Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

50000

40000

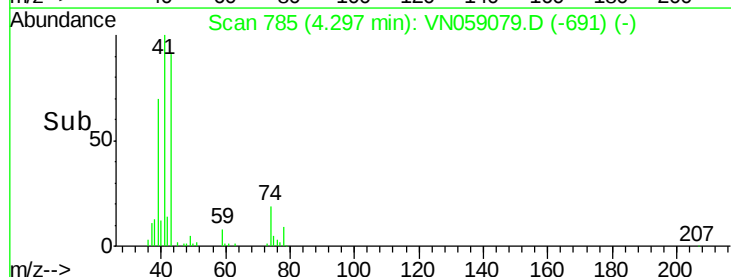
30000

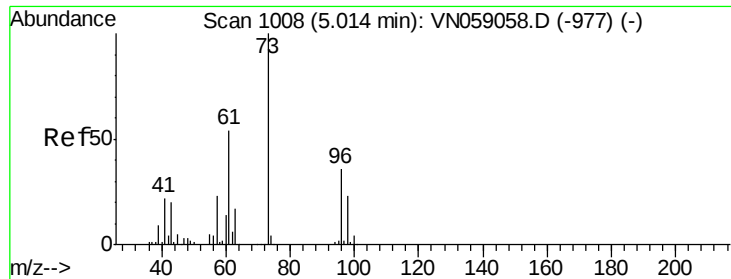
20000

10000

0

Time-->





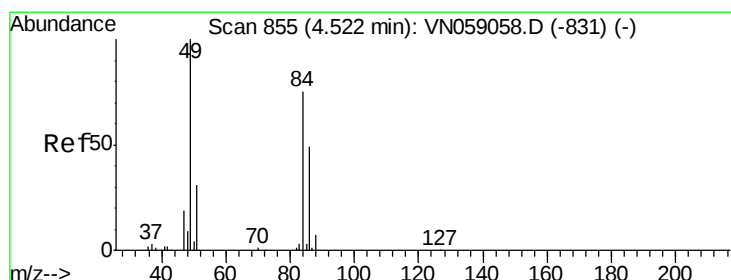
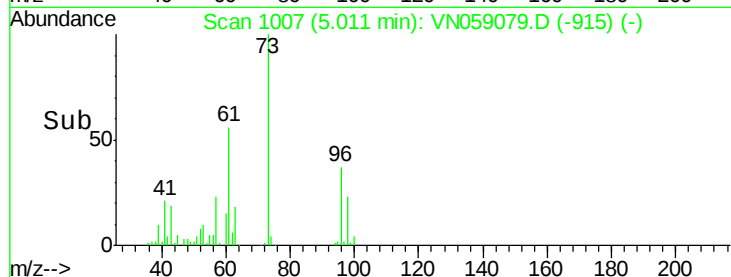
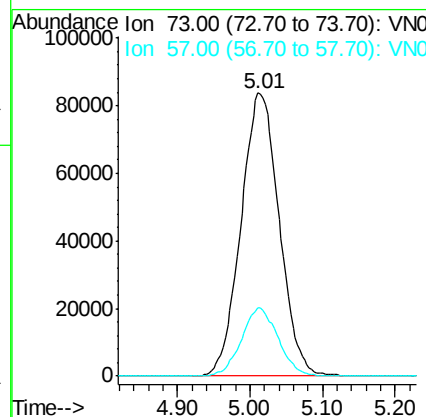
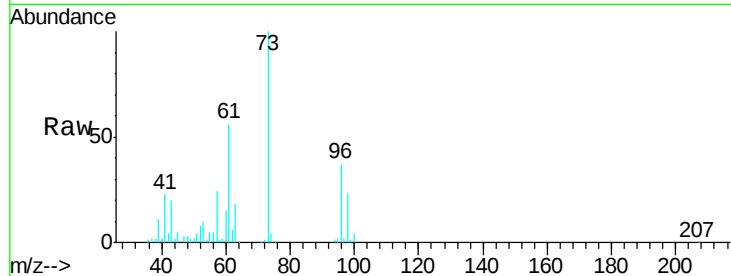
#19
Methyl tert-butyl Ether
Concen: 18.108 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion: 73 Resp: 307050
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6

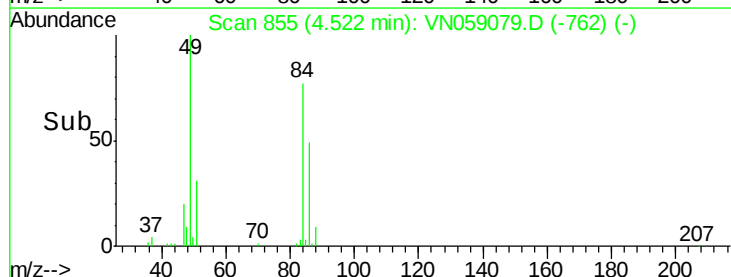
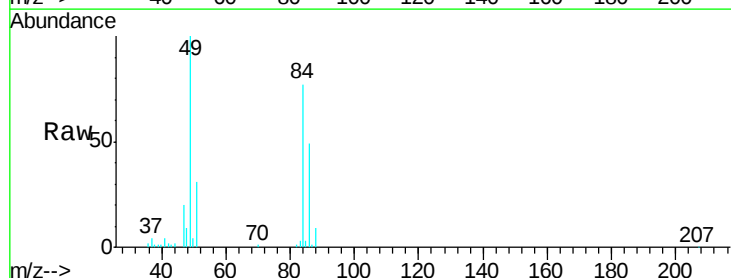
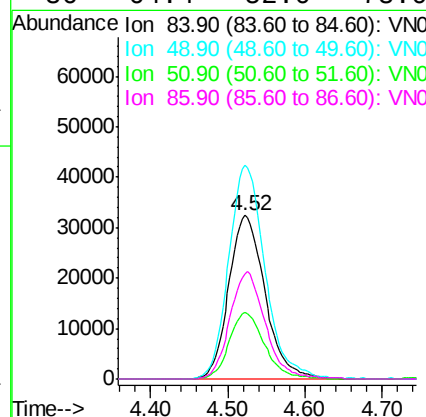
Manual Integrations
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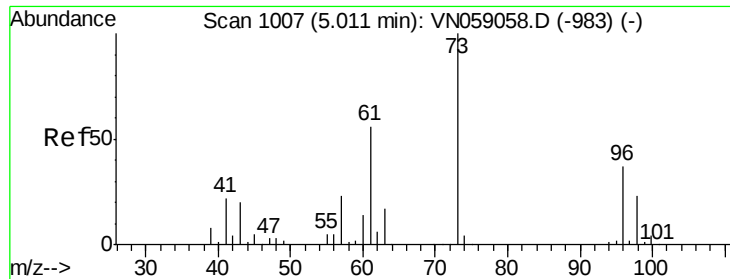
MMDadoda
11/5/2019 2:00:07 PM



#20
Methylene Chloride
Concen: 17.941 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 84 Resp: 105767
Ion Ratio Lower Upper
84 100
49 130.6 106.4 159.6
51 40.8 33.0 49.4
86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.238 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

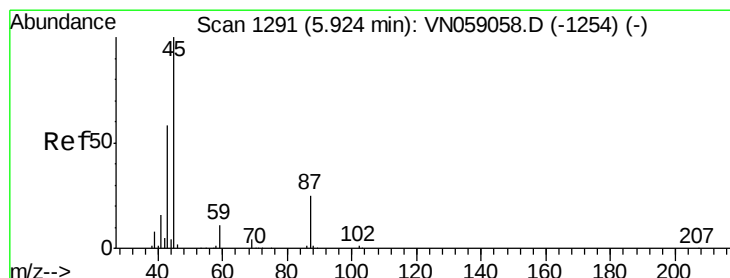
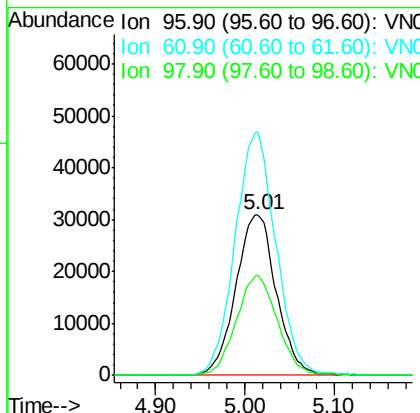
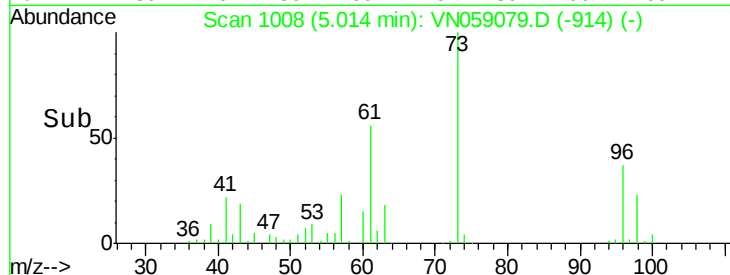
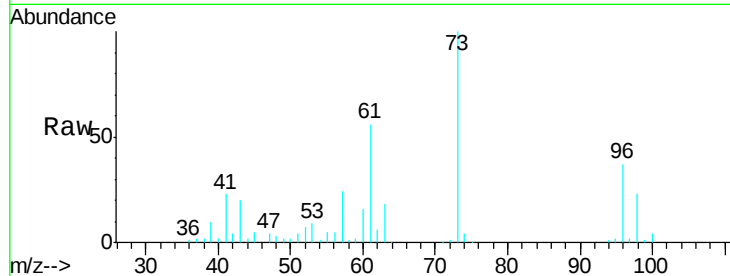
ClientSampleId :

VN1104WBS02

Tgt Ion:	96	Resp:	97480
Ion	Ratio	Lower	Upper
96	100		
61	151.4	121.7	182.5
98	62.3	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.962 ug/l

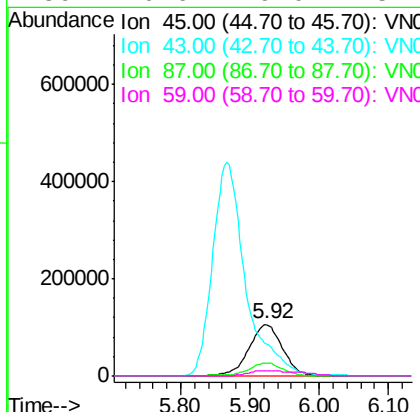
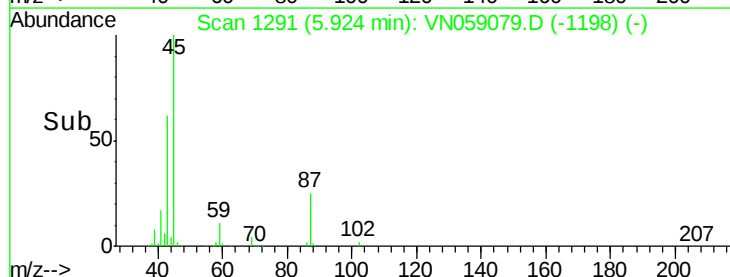
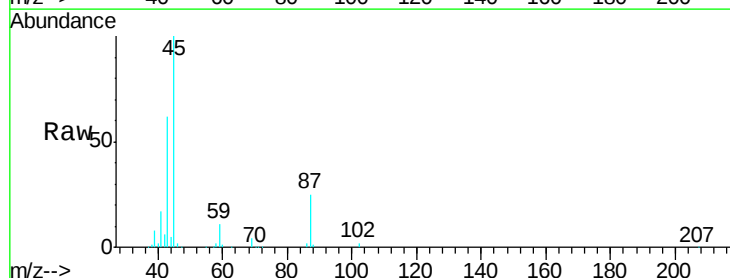
RT: 5.92 min Scan# 1291

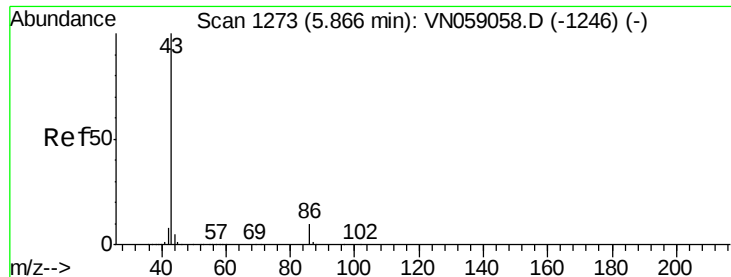
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	45	Resp:	356320
Ion	Ratio	Lower	Upper
45	100		
43	60.8	46.9	70.3
87	25.1	20.1	30.1
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 97.498 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 43 Resp: 1459234

Ion Ratio Lower Upper

43 100

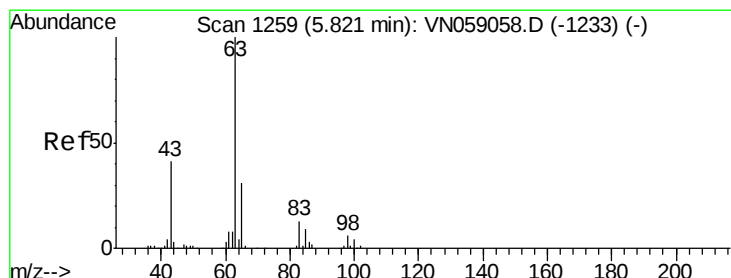
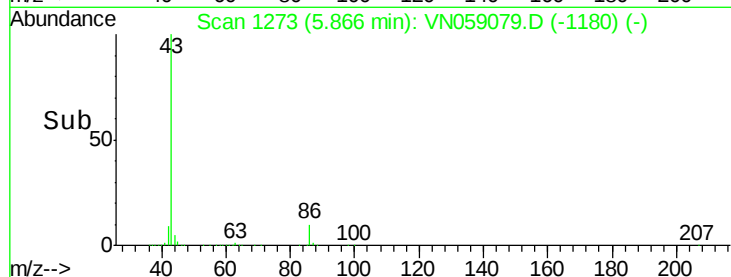
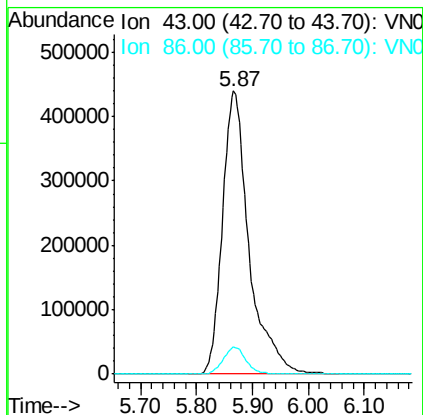
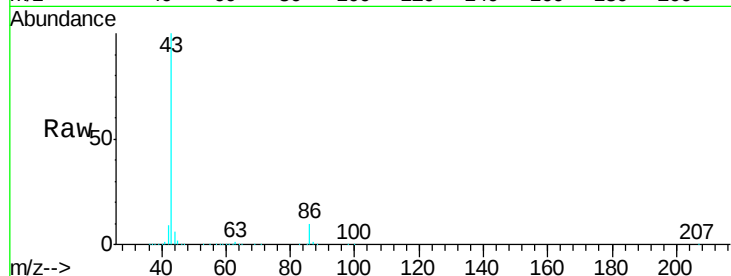
86 9.5 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.381 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

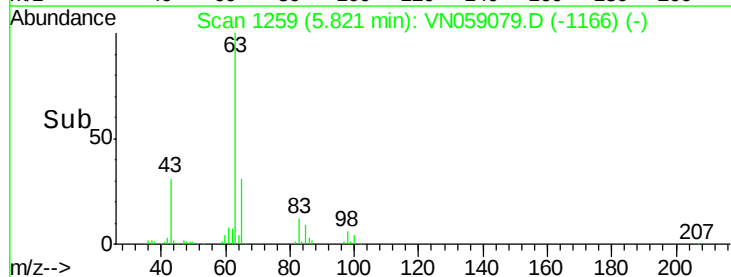
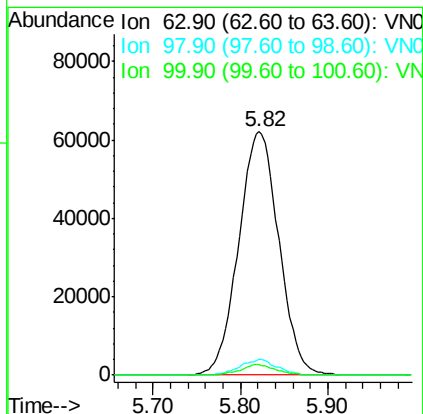
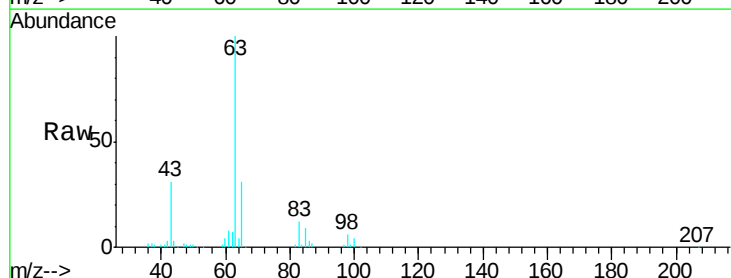
Tgt Ion: 63 Resp: 197470

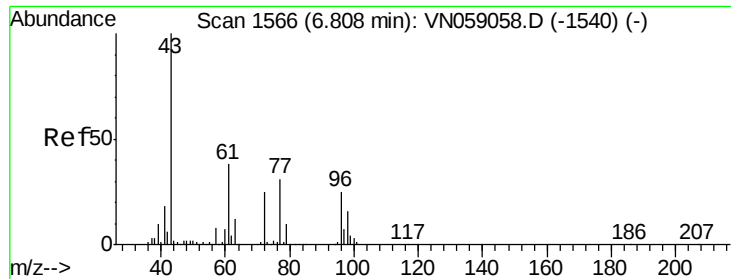
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 91.999 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 43 Resp: 412540

Ion Ratio Lower Upper

43 100

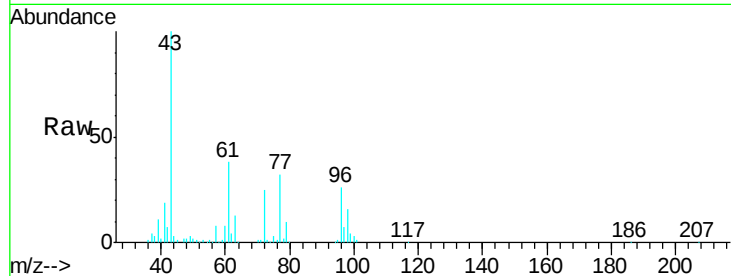
72 25.2 19.9 29.9

Manual Integrations

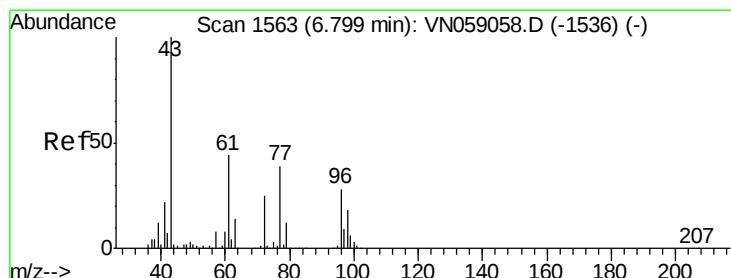
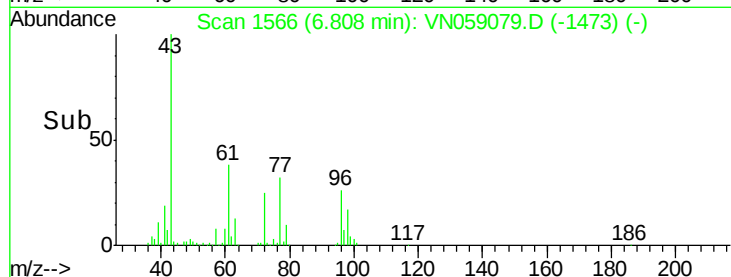
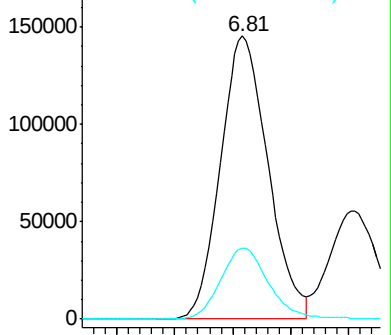
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11/5/2019 2:00:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 18.011 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059079.D

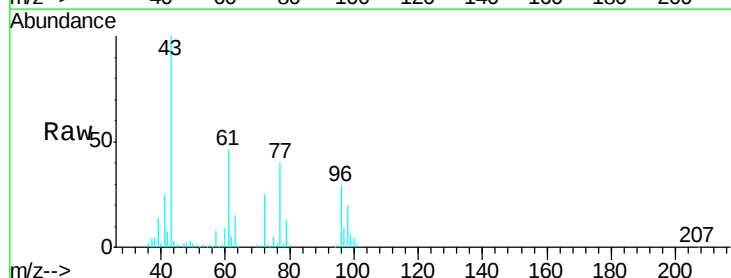
Acq: 4 Nov 2019 12:18

Tgt Ion: 77 Resp: 167950

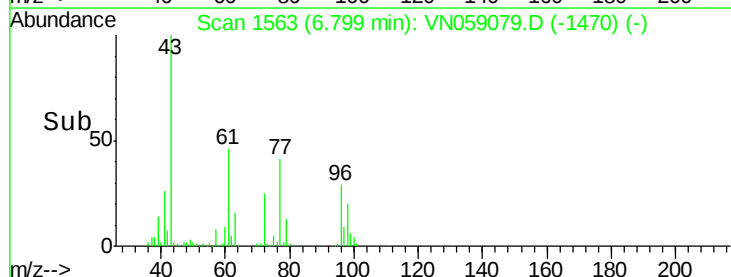
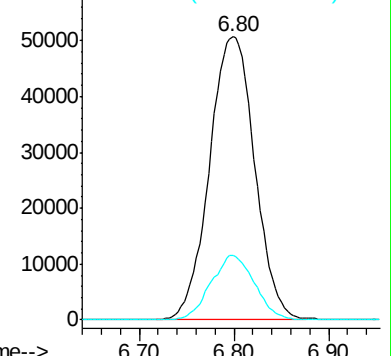
Ion Ratio Lower Upper

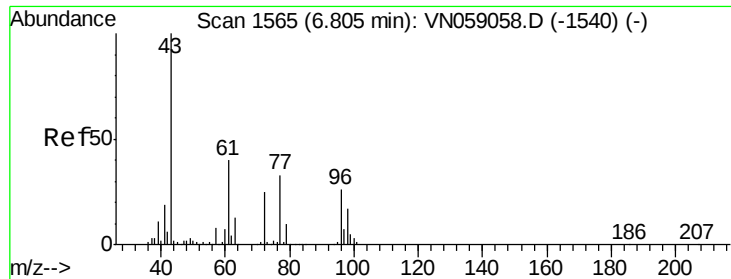
77 100

97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.522 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

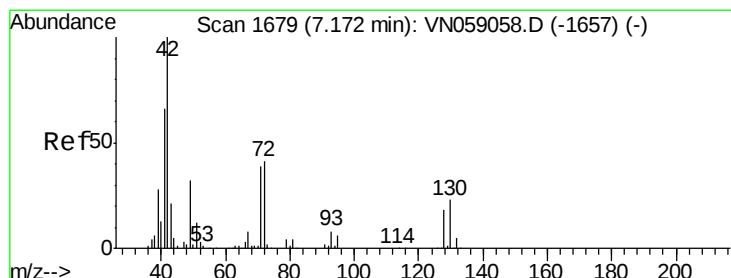
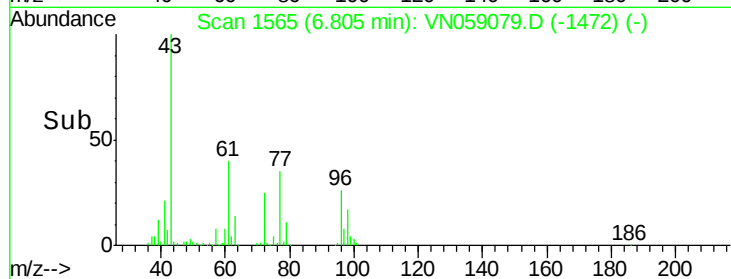
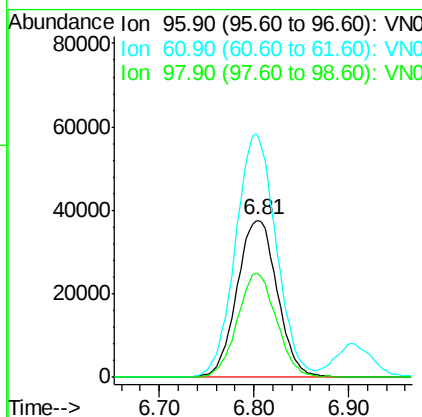
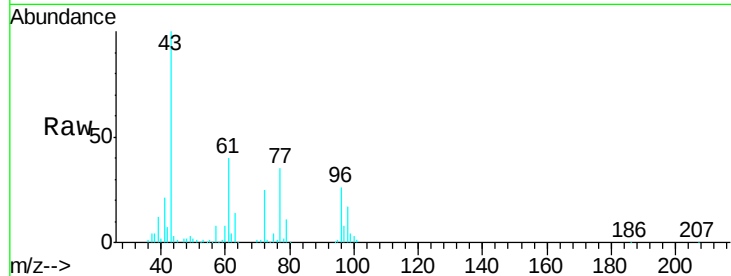
ClientSampleId :

VN1104WBS02

Tgt Ion:	96	Resp:	111469
Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	316.4
98	64.2	0.0	128.2

Manual Integrations
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11/5/2019 2:00:07 PM



#28

Bromochloromethane

Concen: 19.061 ug/l

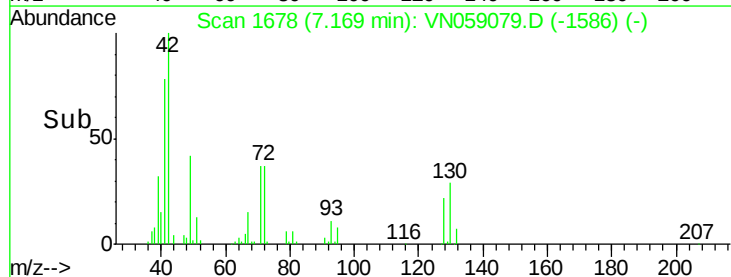
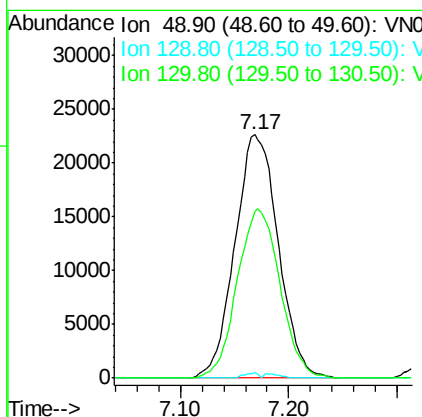
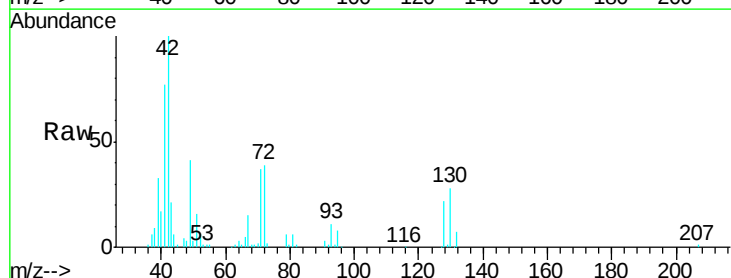
RT: 7.17 min Scan# 1678

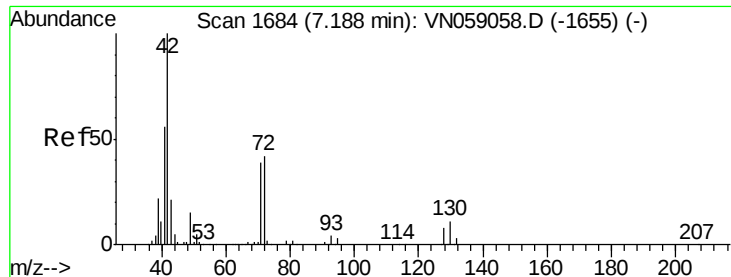
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	49	Resp:	63201
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	68.4	55.0	82.6





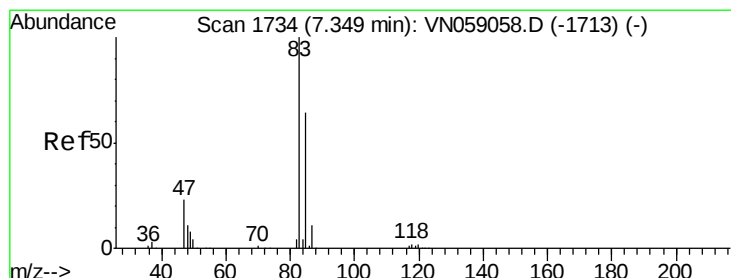
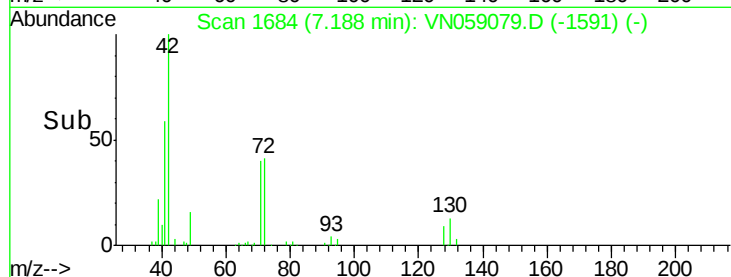
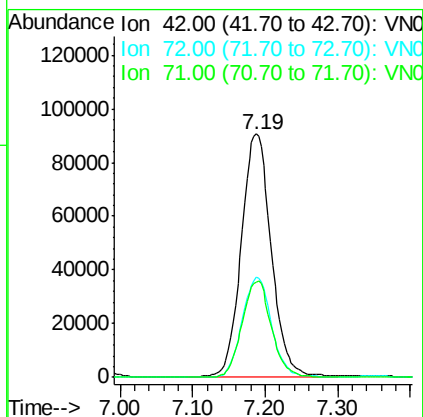
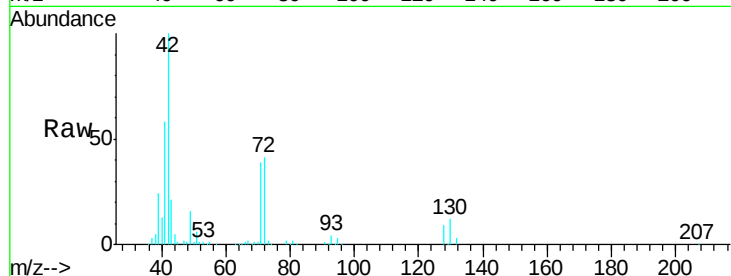
#29
Tetrahydrofuran
Concen: 92.679 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.7	49.1
71	38.6	31.2	46.8

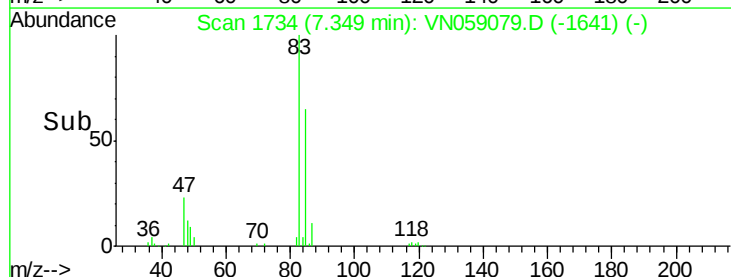
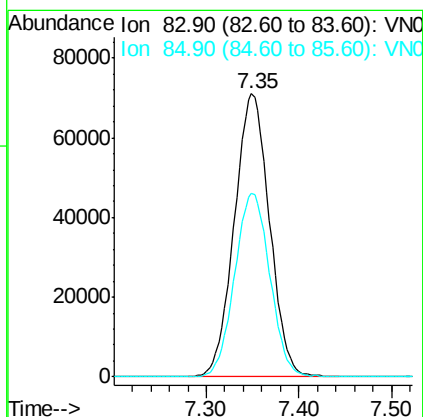
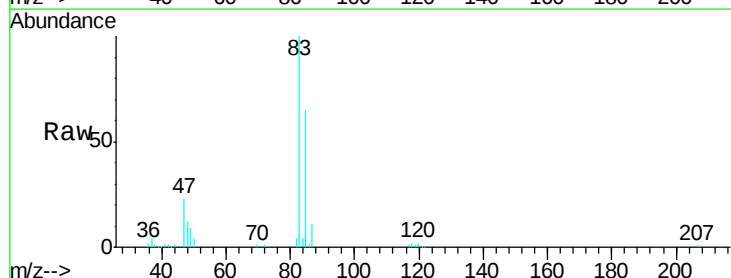
Manual Integrations
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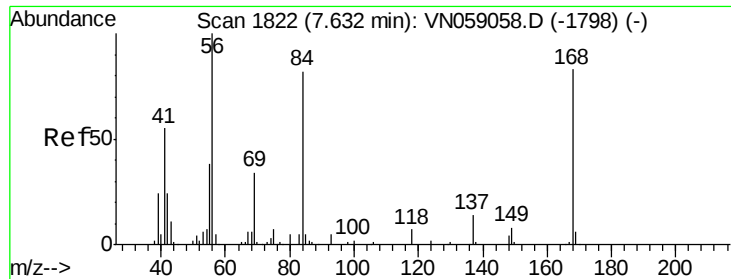
MMDadoda
11/5/2019 2:00:07 PM



#30
Chloroform
Concen: 18.173 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3





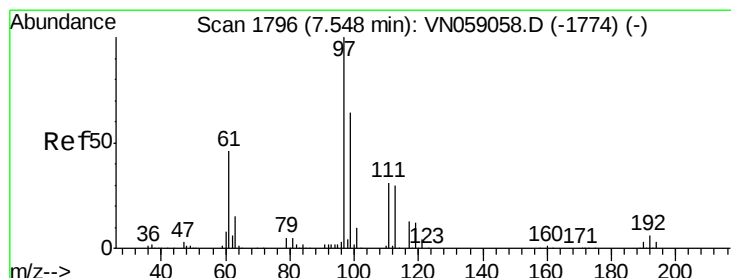
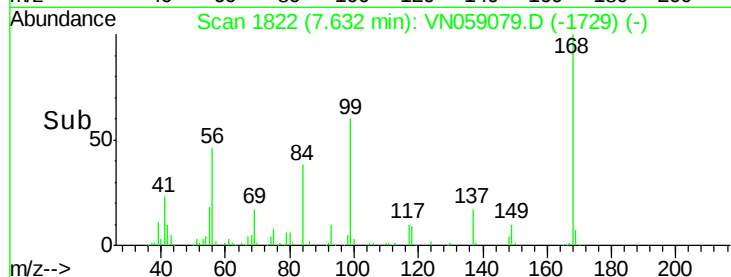
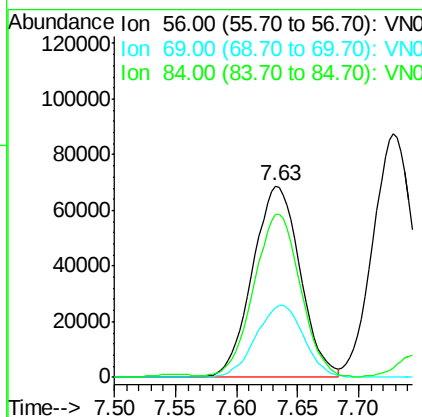
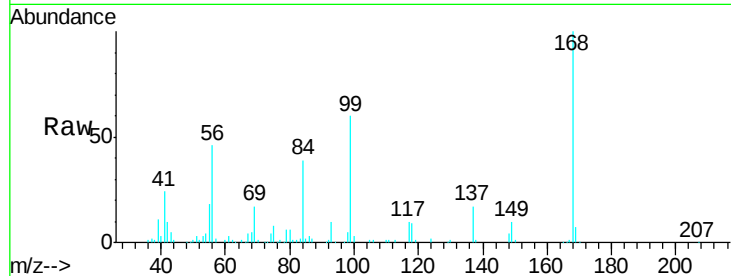
#31
Cyclohexane
Concen: 18.180 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.6	27.2	40.8
84	83.9	65.2	97.8

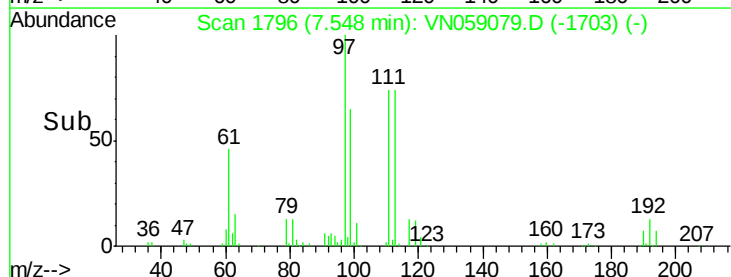
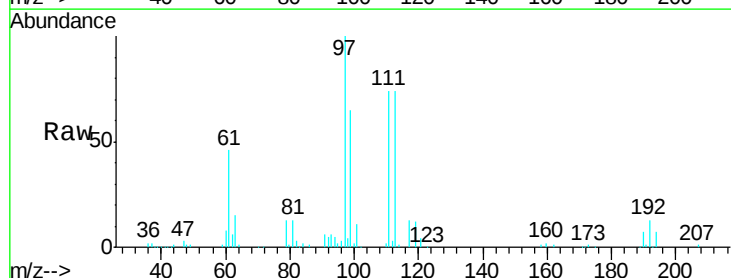
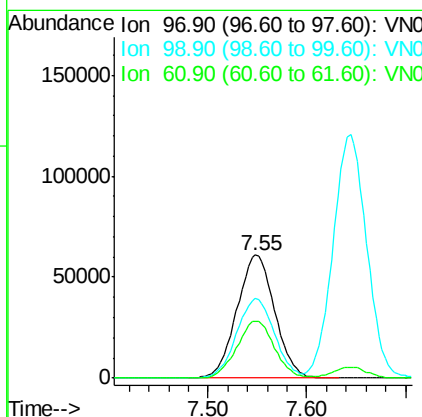
Manual Integrations
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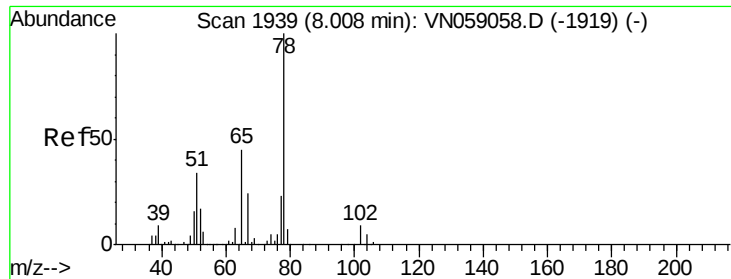
MMDadoda
11/5/2019 2:00:07 PM



#32
1,1,1-Trichloroethane
Concen: 18.654 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.7	76.1
61	45.9	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 47.121 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 65 Resp: 313447

Ion Ratio Lower Upper

65 100

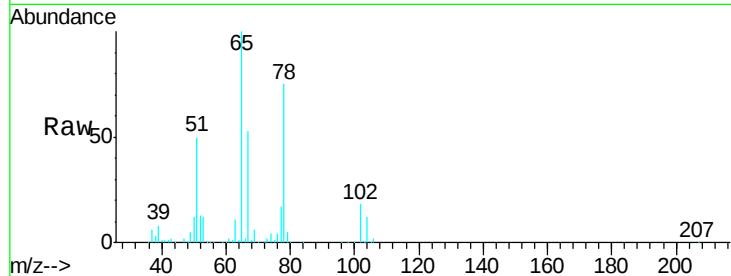
67 53.3 0.0 107.6

Manual Integrations

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MMDadoda

11/5/2019 2:00:07 PM



Abundance Ion 64.90 (64.60 to 65.60): VN059058.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN059058.D (-1919) (-)

8.00

150000

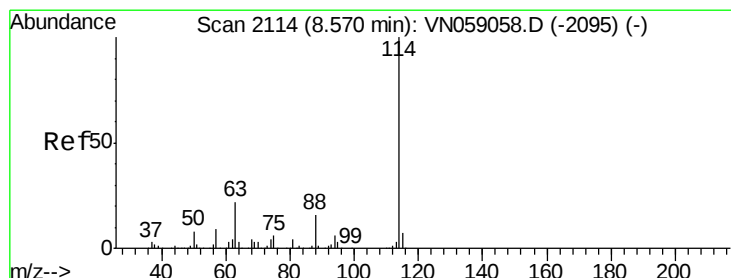
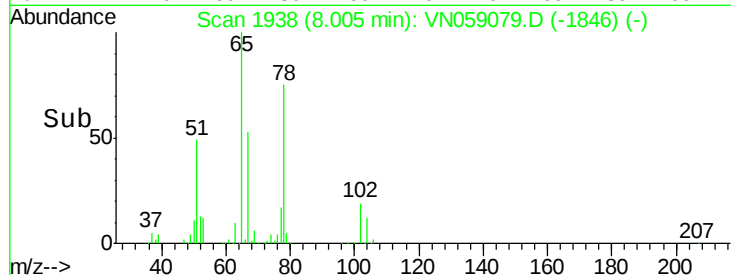
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

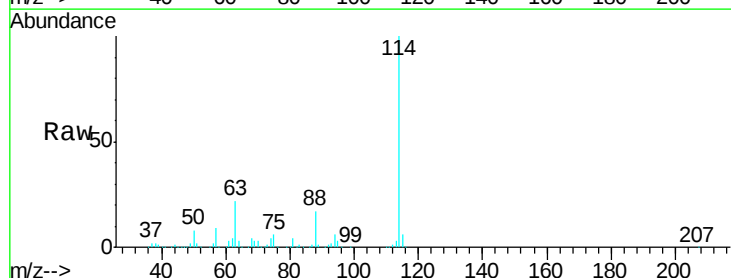
Tgt Ion: 114 Resp: 782773

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN059058.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059058.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059058.D (-2095) (-)

8.57

500000

400000

300000

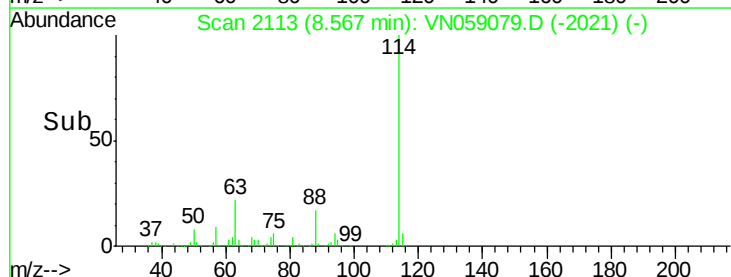
200000

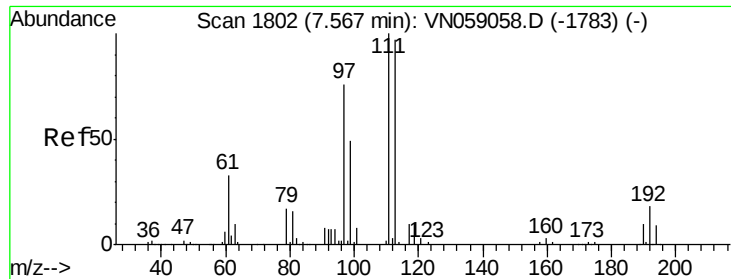
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





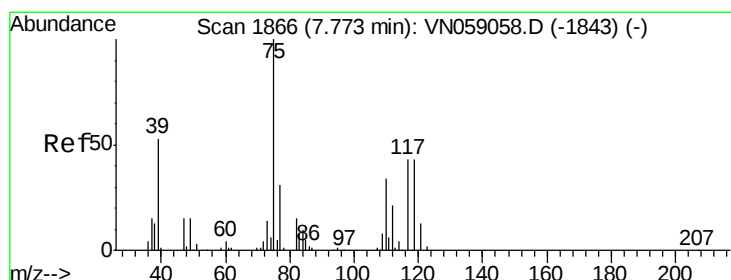
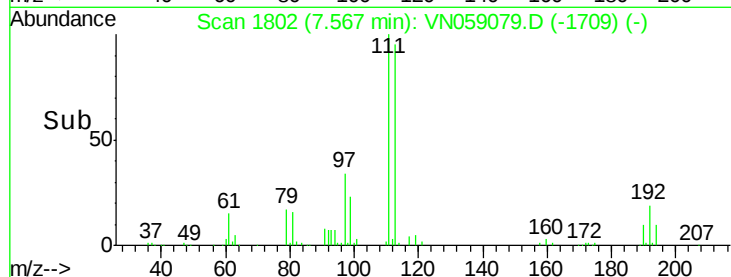
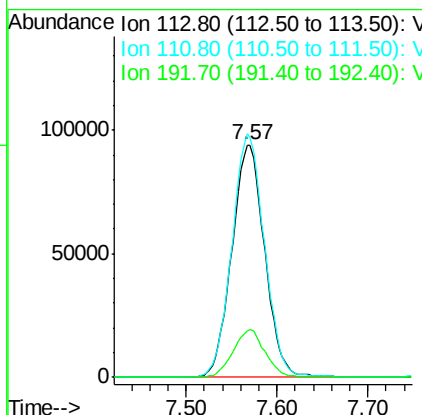
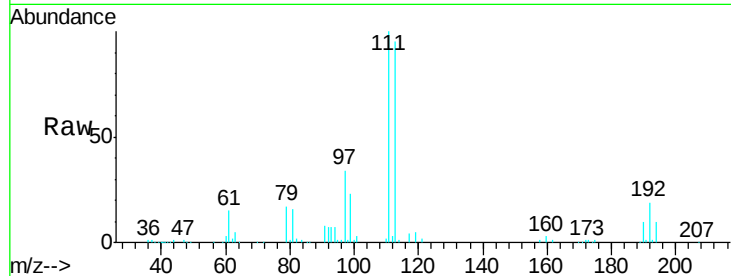
#35
 Dibromofluoromethane
 Concen: 46.737 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	236015		
111	104.0	82.9	124.3	
192	19.7	15.9	23.9	

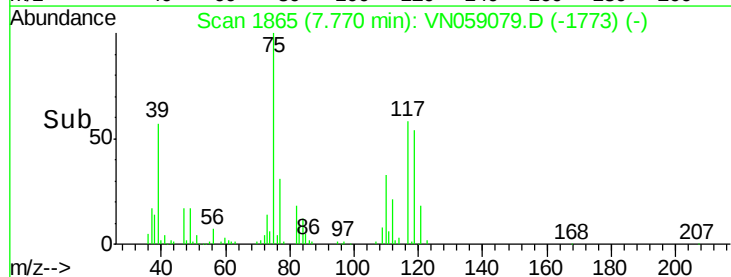
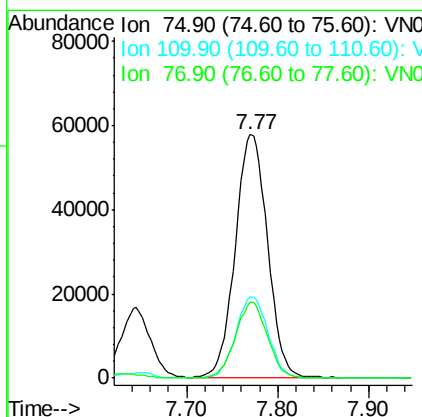
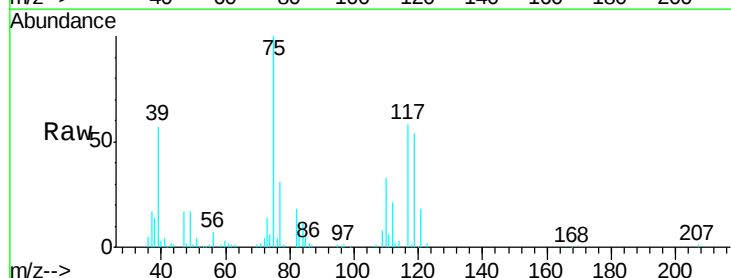
Manual Integrations
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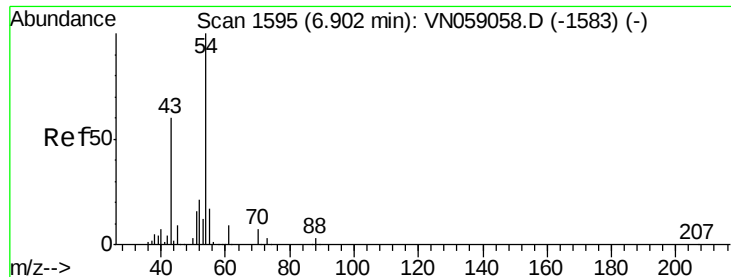
MMDadoda
 11/5/2019 2:00:07 PM



#36
 1,1-Dichloropropene
 Concen: 18.399 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143144		
110	33.1	16.9	50.6	
77	31.0	25.0	37.4	





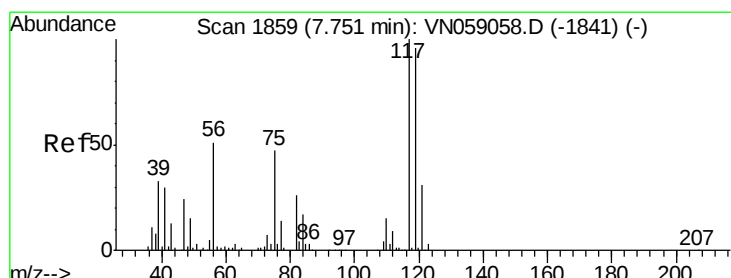
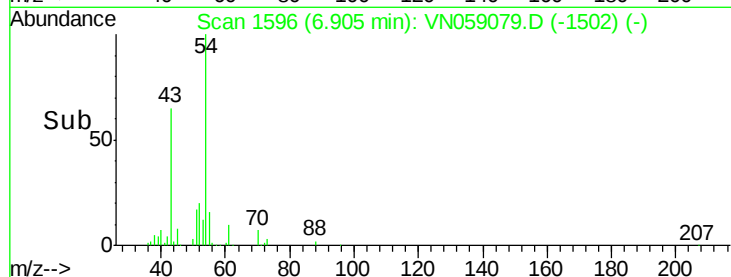
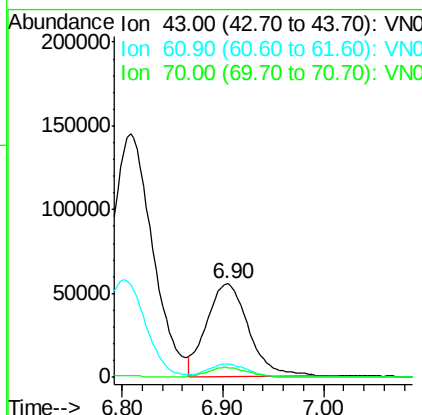
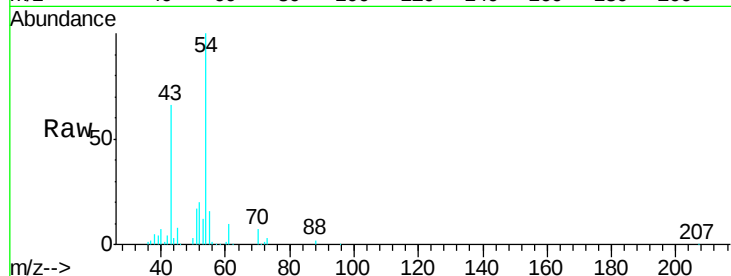
#37
Ethyl Acetate
Concen: 18.645 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.2	16.8
70	10.5	8.0	12.0

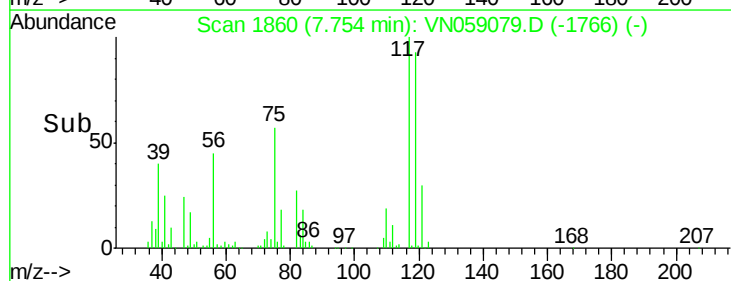
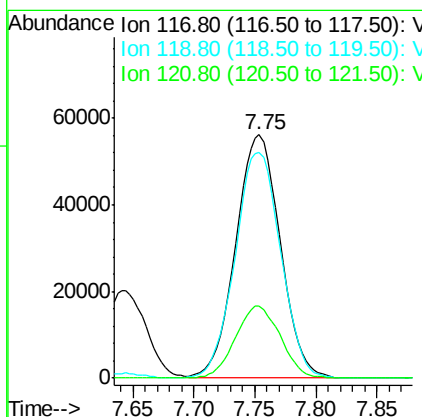
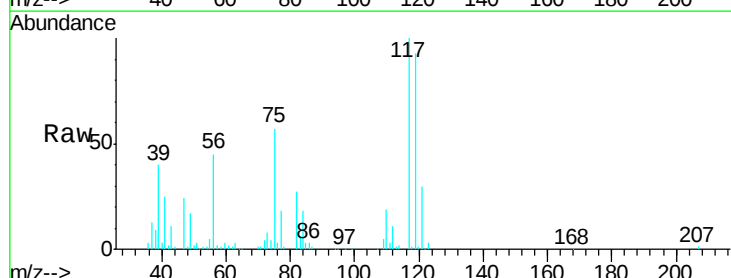
Manual Integrations
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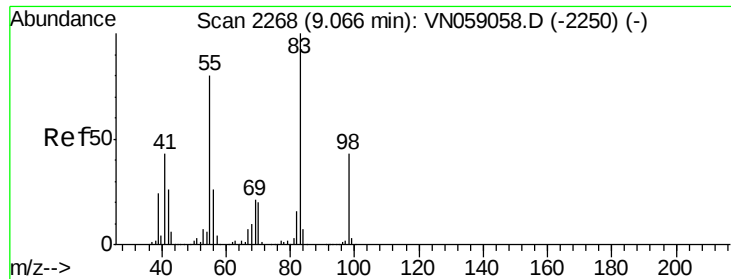
MMDadoda
11/5/2019 2:00:07 PM



#38
Carbon Tetrachloride
Concen: 18.752 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.6	114.8
121	29.8	24.6	37.0





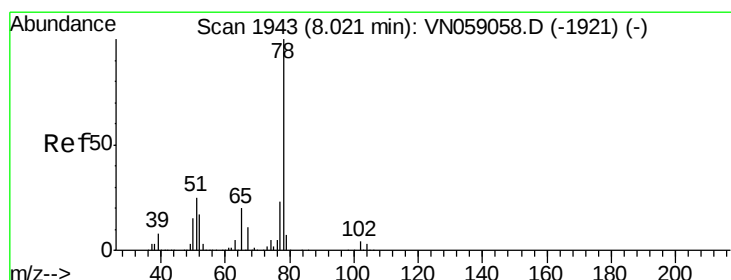
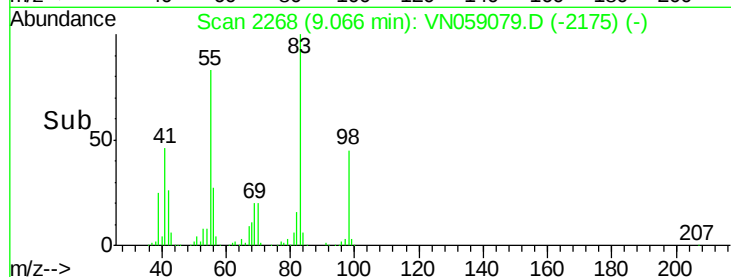
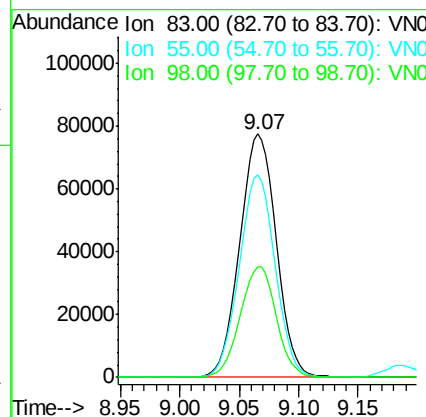
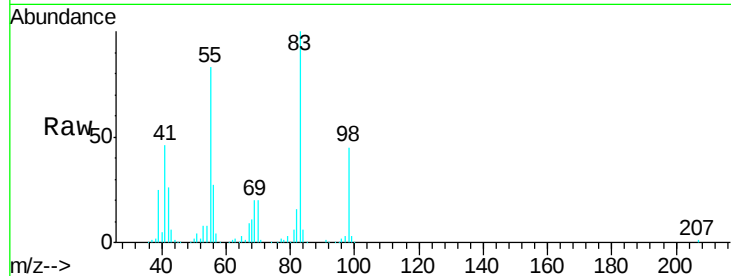
#39
Methylcyclohexane
Concen: 18.398 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	64.1	96.1
98	45.3	34.3	51.5

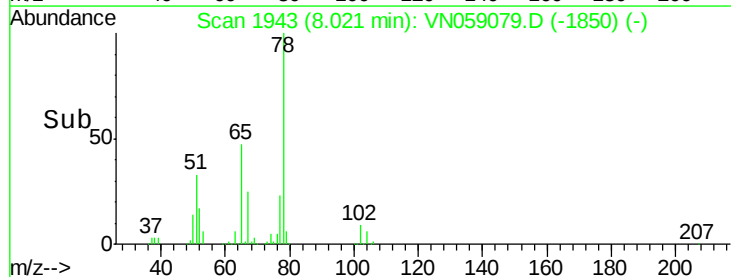
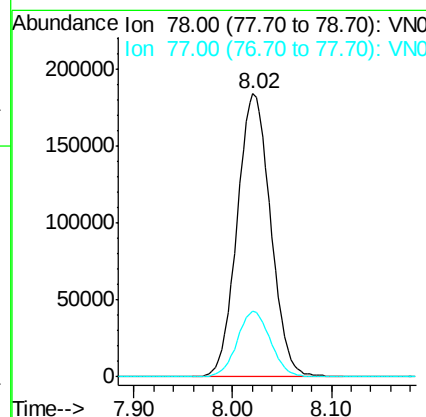
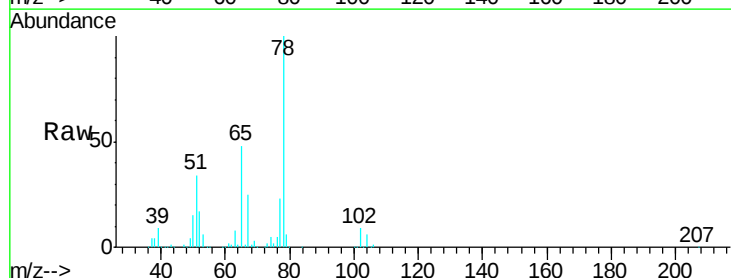
Manual Integrations
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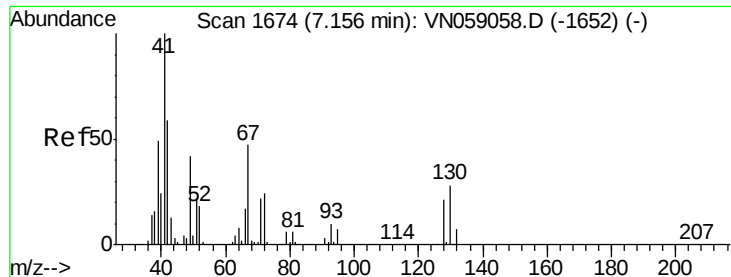
MMDadoda
11/5/2019 2:00:07 PM



#40
Benzene
Concen: 18.769 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8





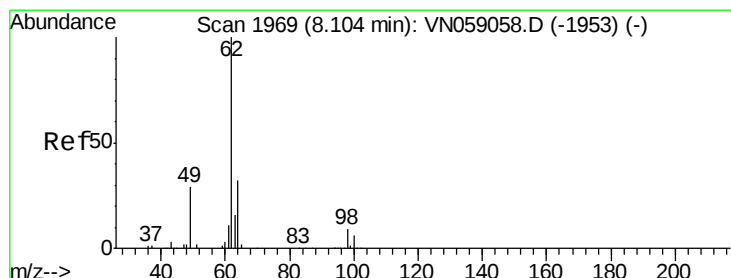
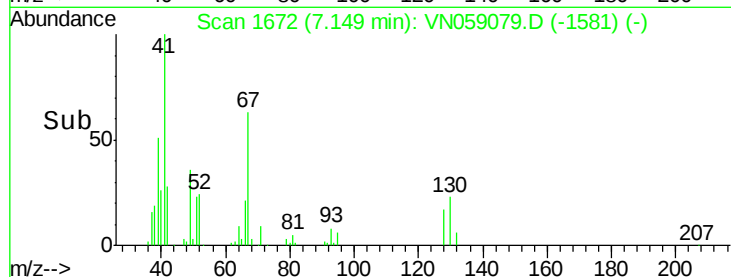
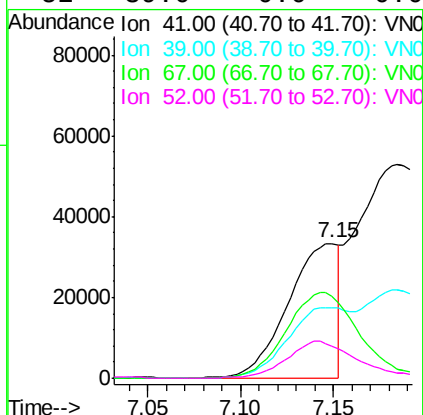
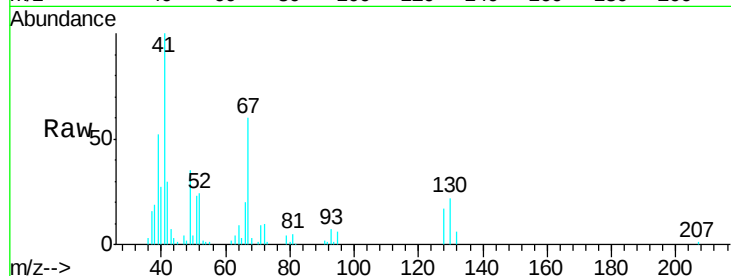
#41
Methacrylonitrile
Concen: 16.904 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	92.9	0.0	0.0#
52	39.0	0.0	0.0#

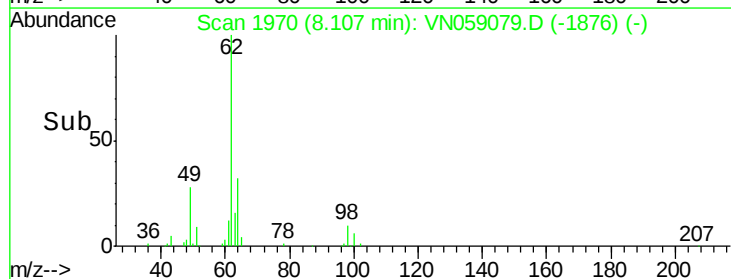
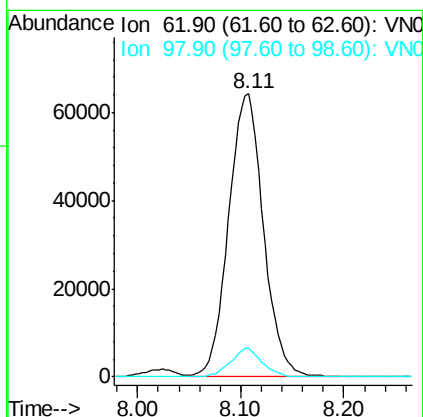
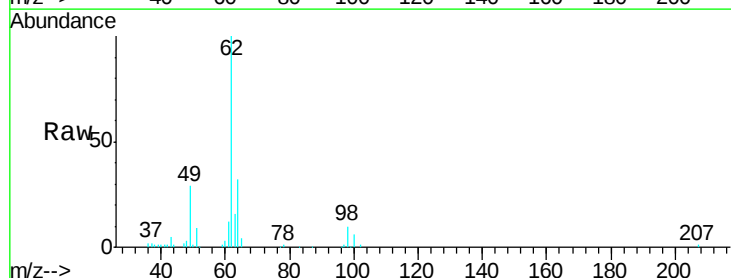
Manual Integrations
APPROVED

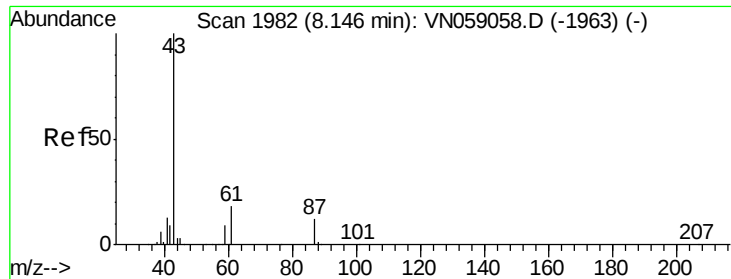
MMDadoda
11/5/2019 2:00:07 PM



#42
1,2-Dichloroethane
Concen: 18.870 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





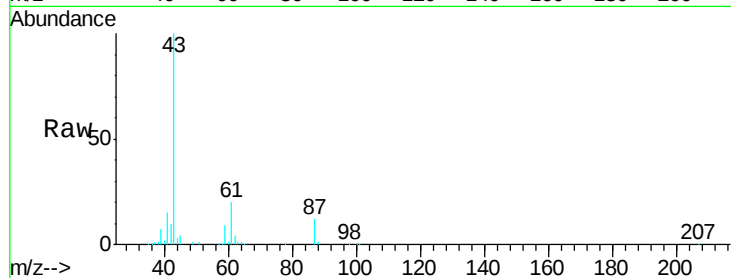
#43
Isopropyl Acetate
Concen: 18.085 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.5	30.7
87	12.3	9.8	14.8

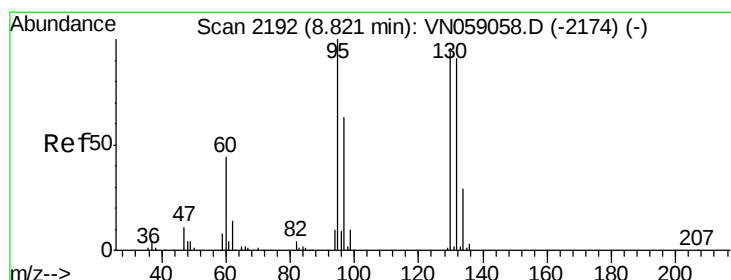
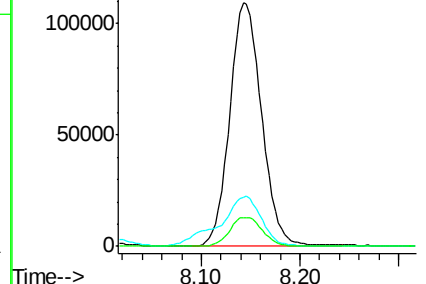
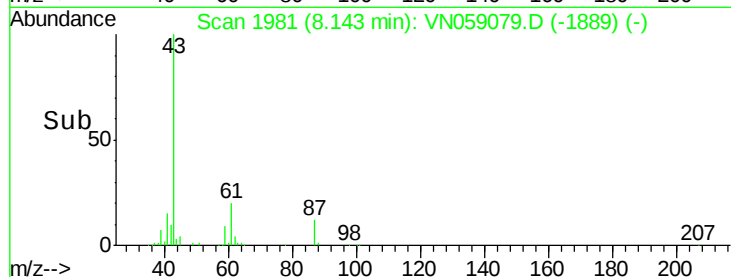
Manual Integrations
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11/5/2019 2:00:07 PM



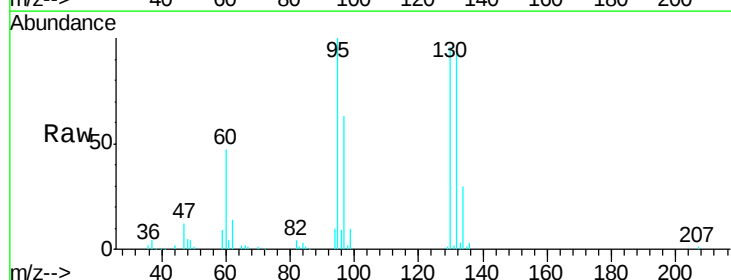
Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

8.14



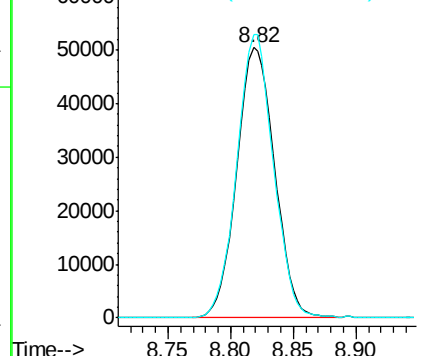
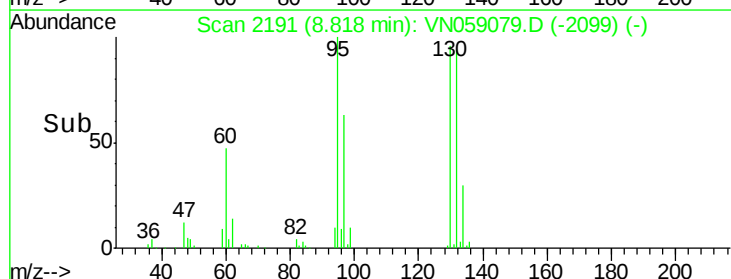
#44
Trichloroethene
Concen: 18.669 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

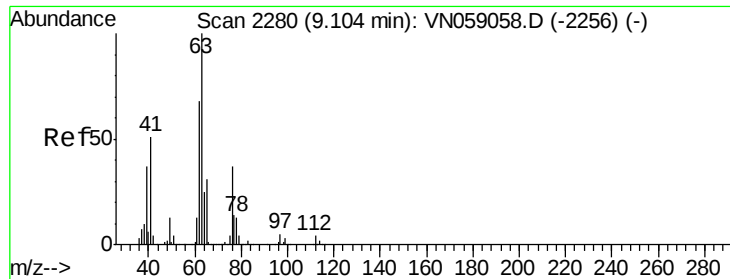
Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

8.82





#45

1,2-Dichloropropane

Concen: 18.959 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 63 Resp: 118381

Ion Ratio Lower Upper

63 100

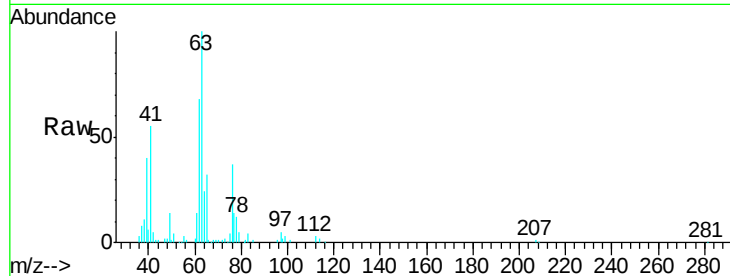
65 32.2 25.0 37.6

Manual Integrations

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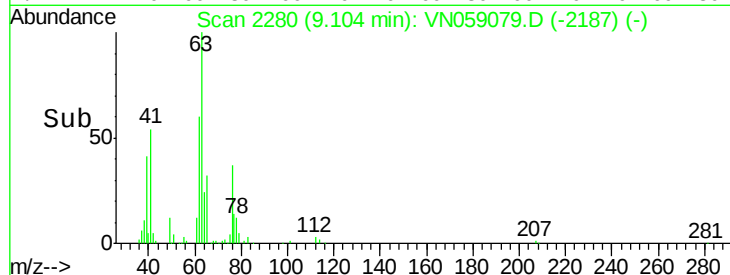
11/5/2019 2:00:07 PM



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

Time-->

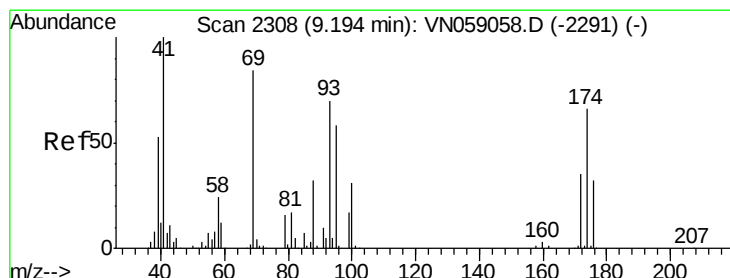


Abundance

Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

Time-->



#46

Dibromomethane

Concen: 18.768 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

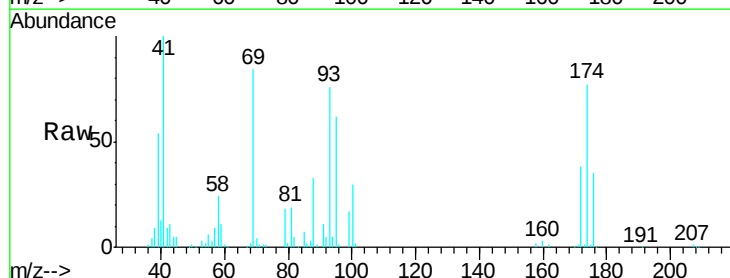
Tgt Ion: 93 Resp: 72429

Ion Ratio Lower Upper

93 100

95 81.2 67.2 100.8

174 97.0 78.3 117.5

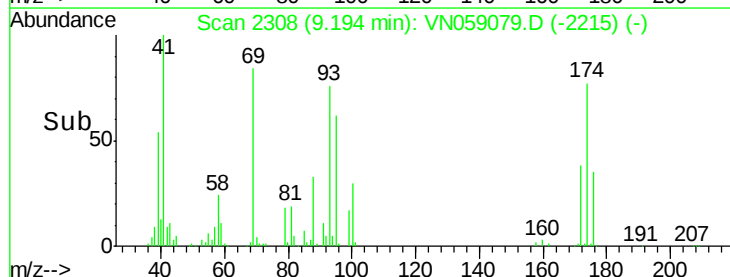


Abundance Ion 92.80 (92.50 to 93.50): VN059058.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059058.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059058.D (-2291) (-)

Time-->



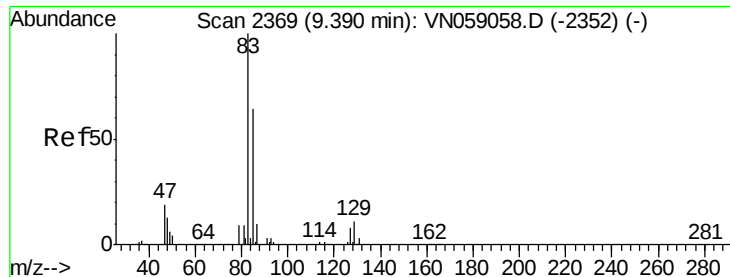
Abundance

Ion 92.80 (92.50 to 93.50): VN059058.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059058.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059058.D (-2291) (-)

Time-->



#47

Bromodichloromethane

Concen: 18.554 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

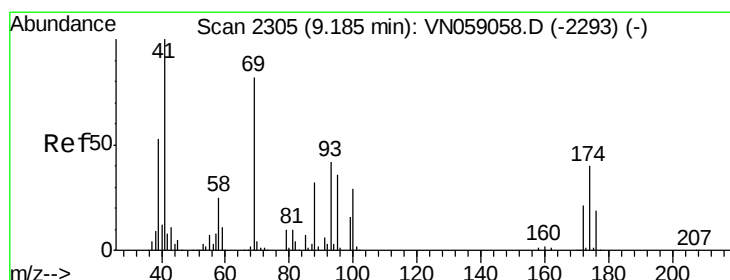
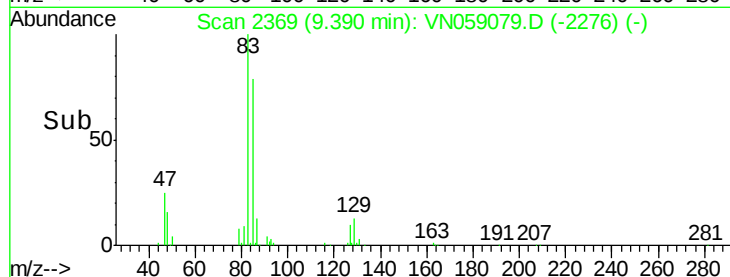
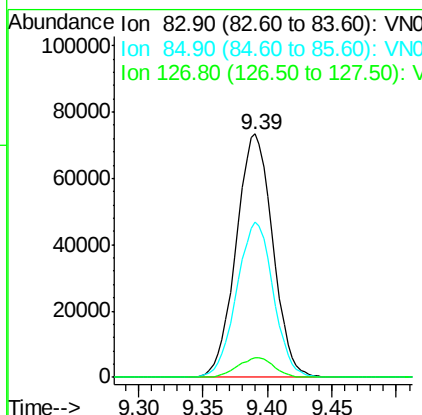
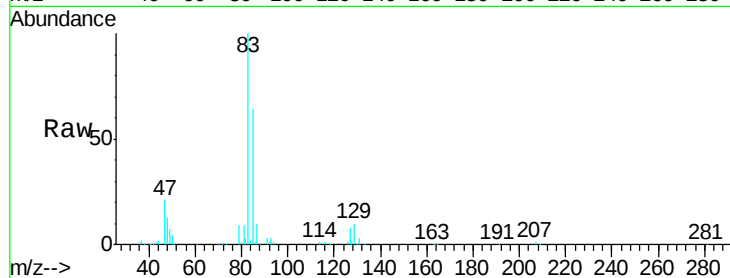
ClientSampleId :

VN1104WBS02

Tgt Ion:	83	Resp:	145011
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	8.2	6.5	9.7

Manual Integrations
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11/5/2019 2:00:07 PM



#48

Methyl methacrylate

Concen: 17.888 ug/l

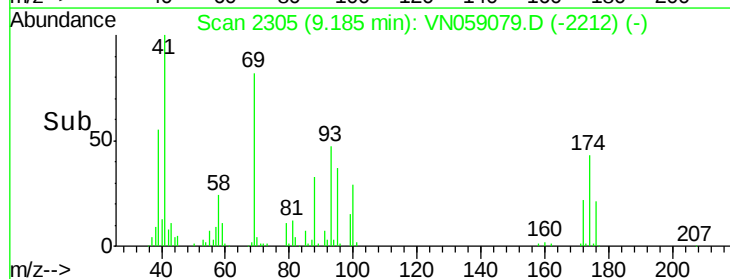
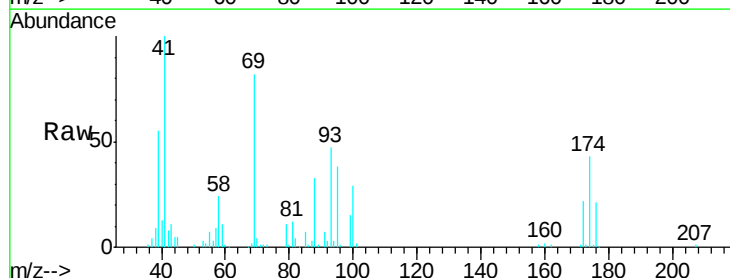
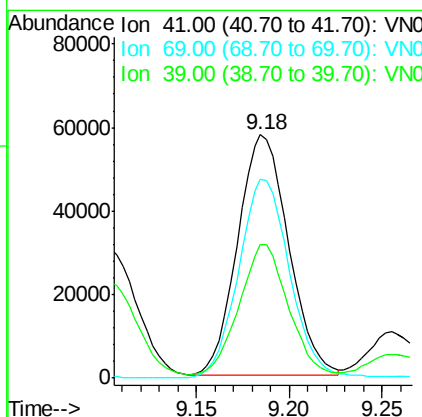
RT: 9.18 min Scan# 2305

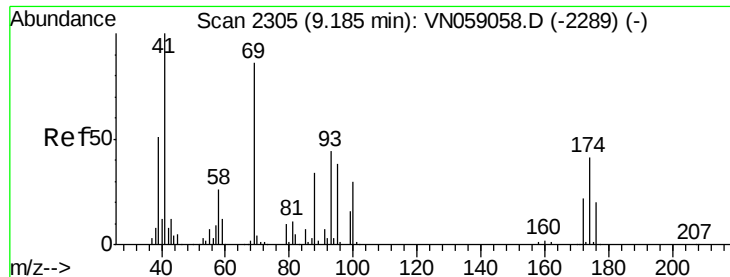
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	41	Resp:	110258
Ion Ratio	Lower	Upper	
41	100		
69	83.2	67.1	100.7
39	54.6	43.3	64.9





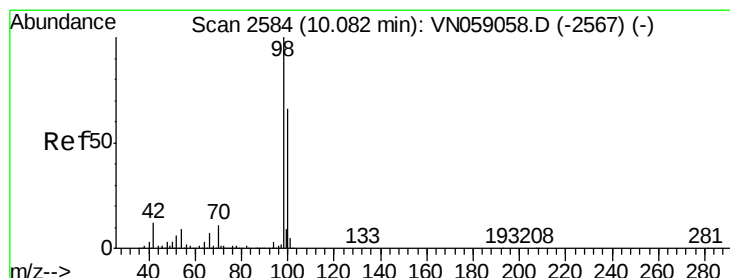
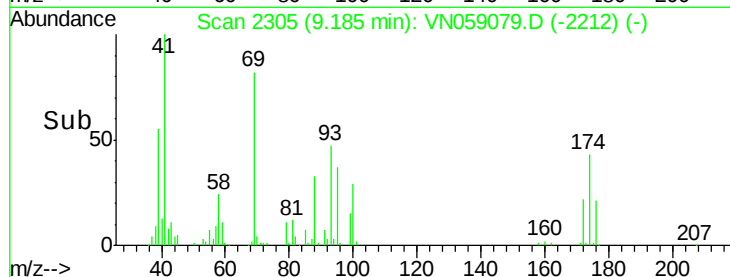
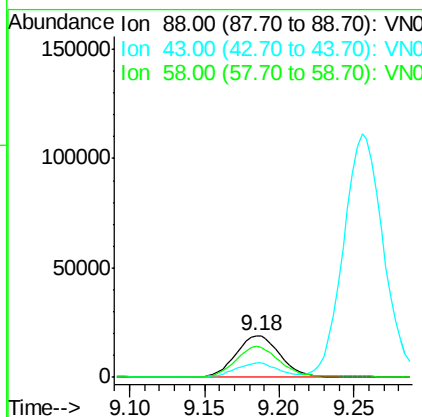
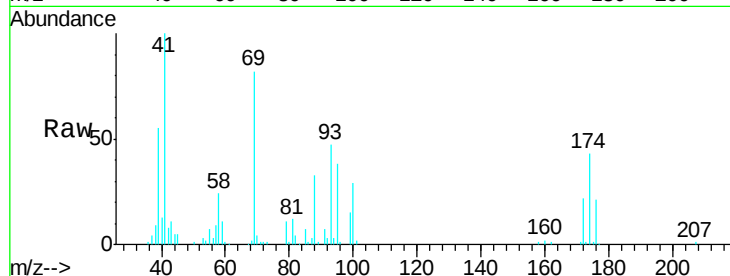
#49
1,4-Dioxane
Concen: 390.421 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	39254		
43	34.2	26.2	39.2	
58	73.8	59.1	88.7	

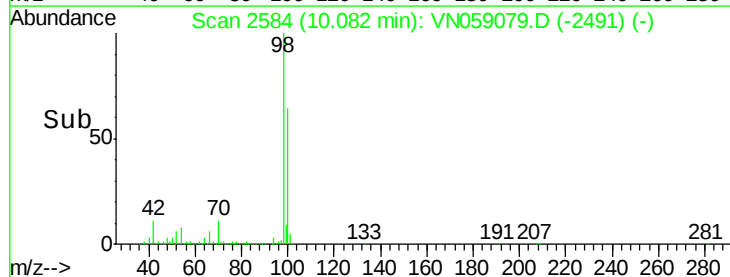
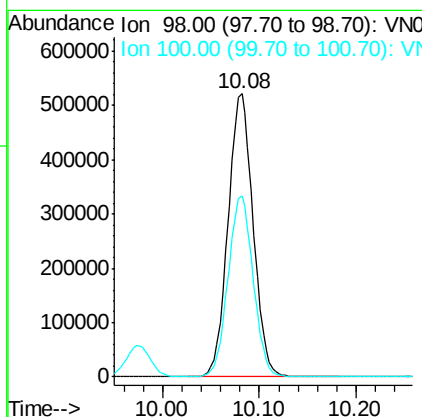
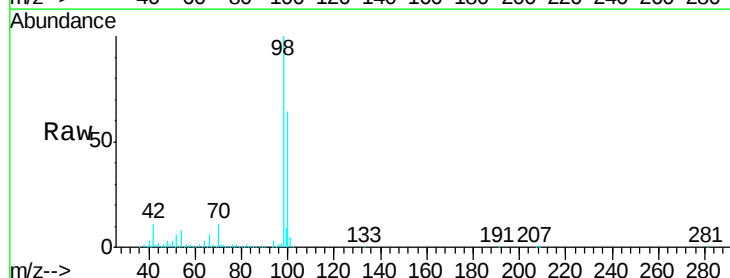
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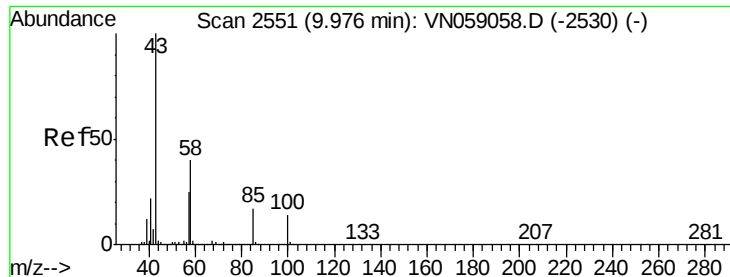
MMDadoda
11/5/2019 2:00:07 PM



#50
Toluene-d8
Concen: 47.655 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	936912		
100	64.0	51.7	77.5	





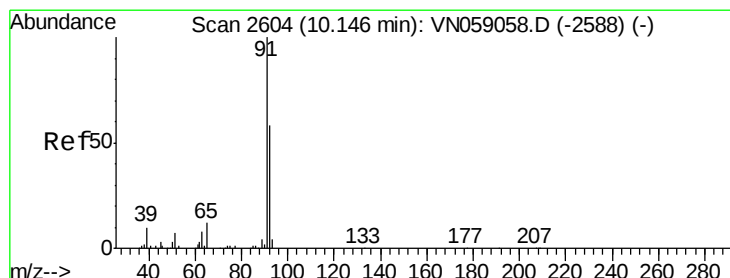
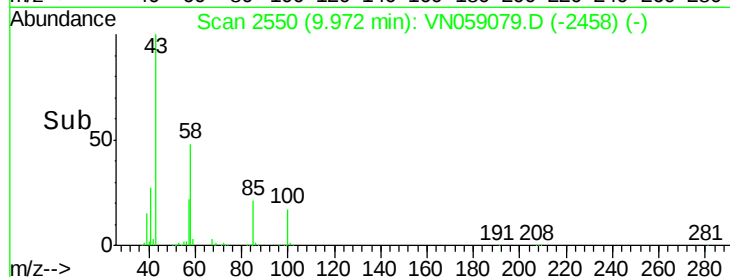
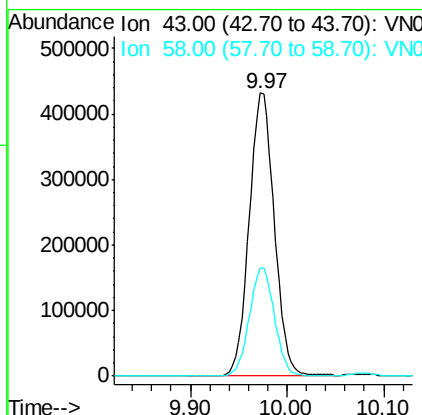
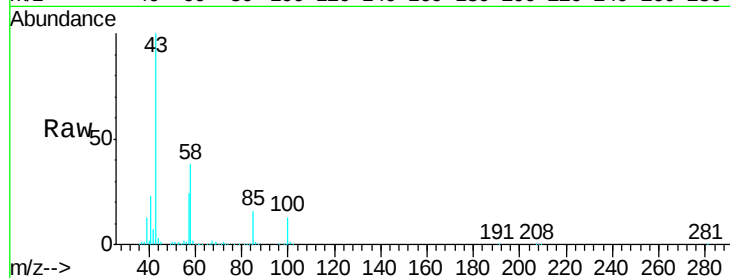
#51
 4-Methyl-2-Pentanone
 Concen: 99.604 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion: 43 Resp: 782166
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.8 47.6

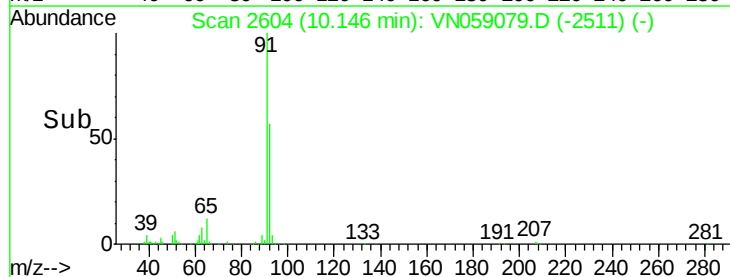
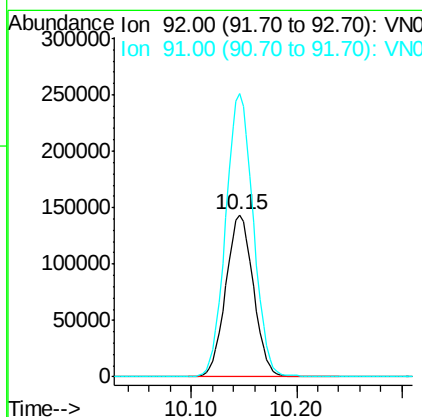
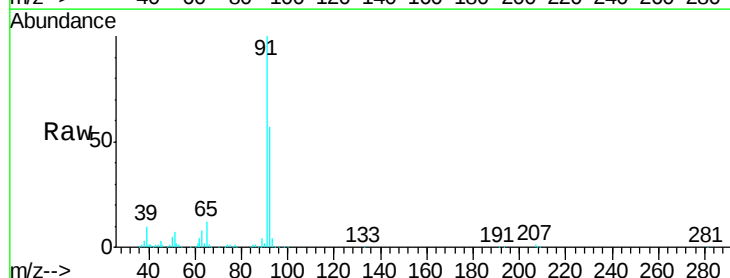
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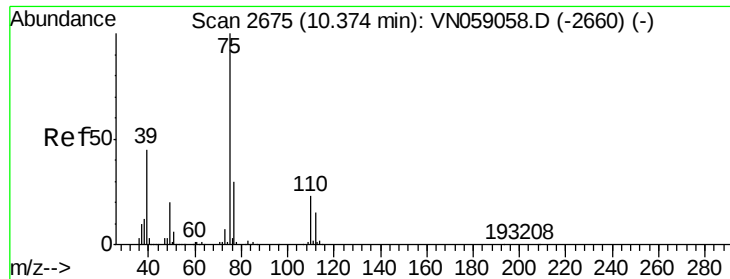
MMDadoda
 11/5/2019 2:00:07 PM



#52
 Toluene
 Concen: 19.232 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 92 Resp: 260183
 Ion Ratio Lower Upper
 92 100
 91 174.3 138.7 208.1





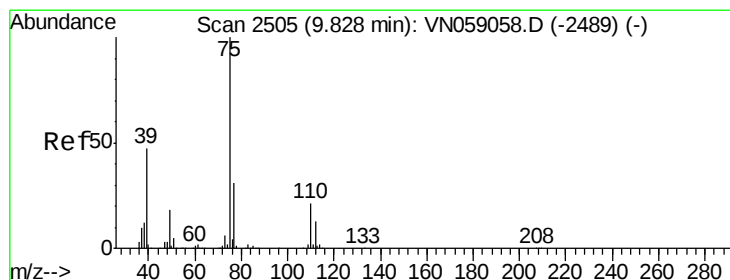
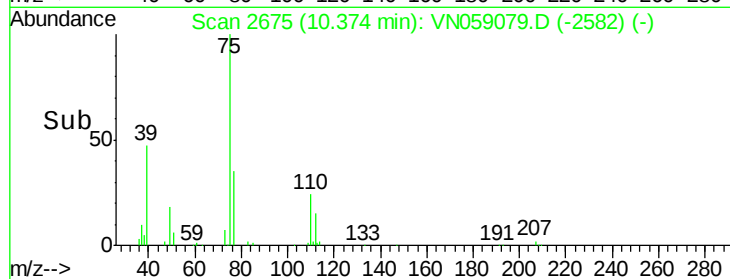
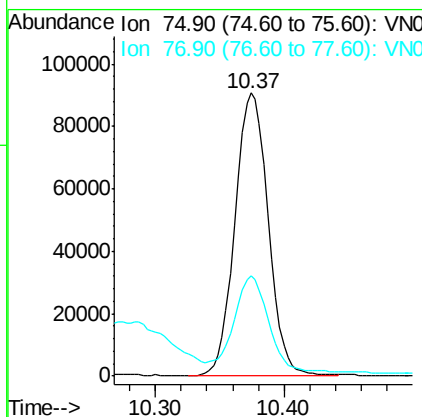
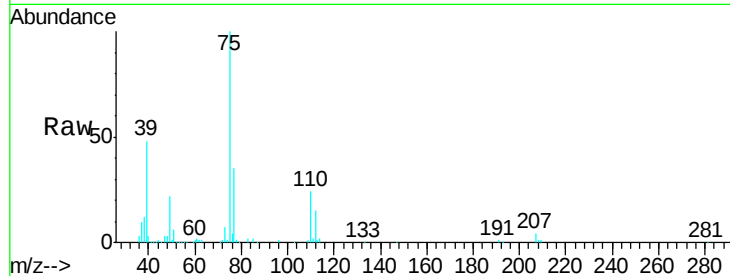
#53
t-1,3-Dichloropropene
Concen: 17.889 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion: 75 Resp: 161668
Ion Ratio Lower Upper
75 100
77 34.0 25.6 38.4

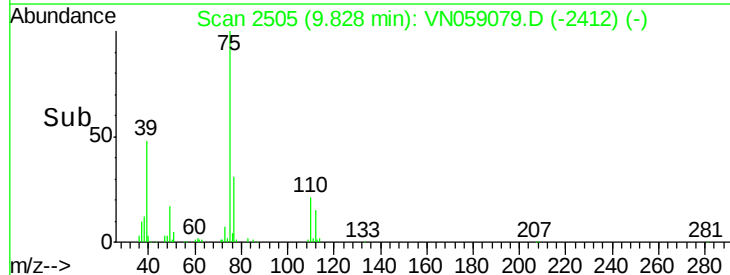
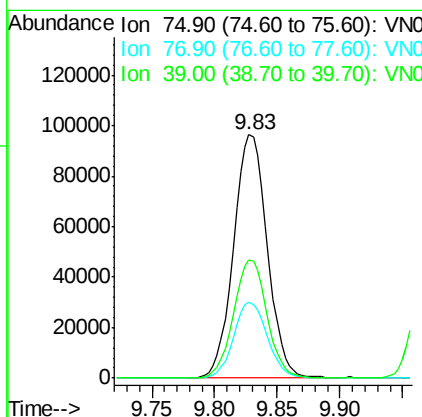
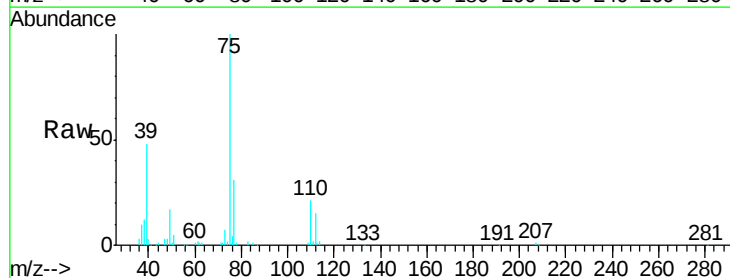
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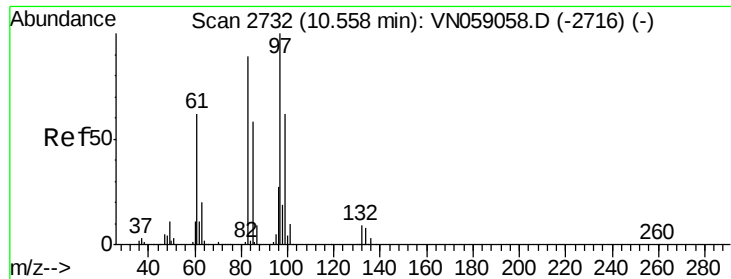
MMDadoda
11/5/2019 2:00:07 PM



#54
cis-1,3-Dichloropropene
Concen: 18.895 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 75 Resp: 180115
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0
39 48.5 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 18.648 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

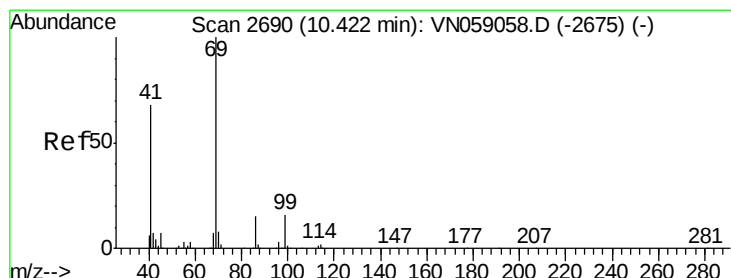
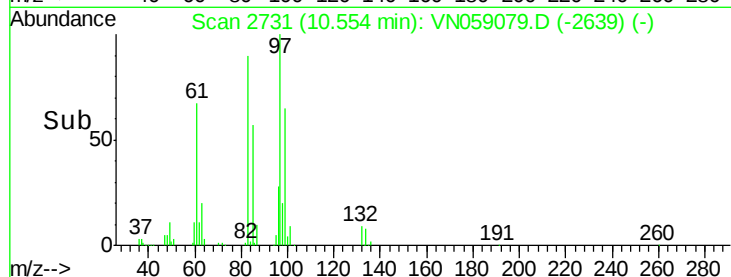
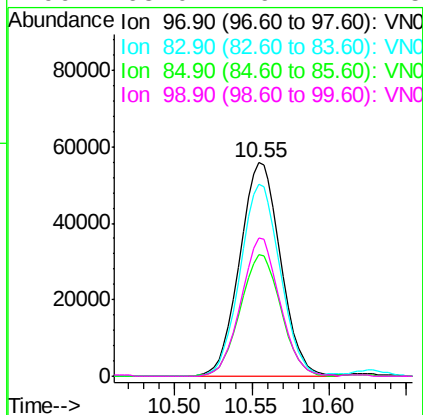
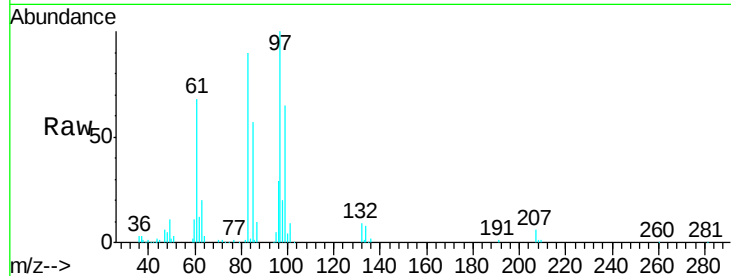
ClientSampleId :

VN1104WBS02

Tgt Ion:	97	Resp:	102766
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.4	107.2
85	56.8	46.6	70.0
99	65.0	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.588 ug/l

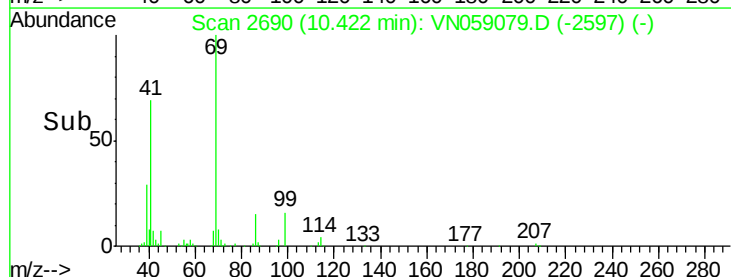
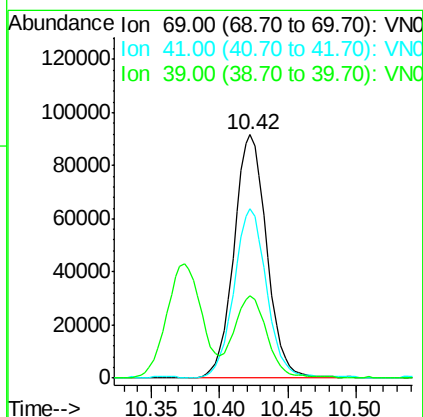
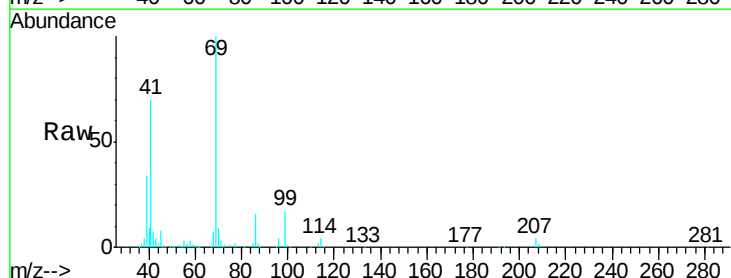
RT: 10.42 min Scan# 2690

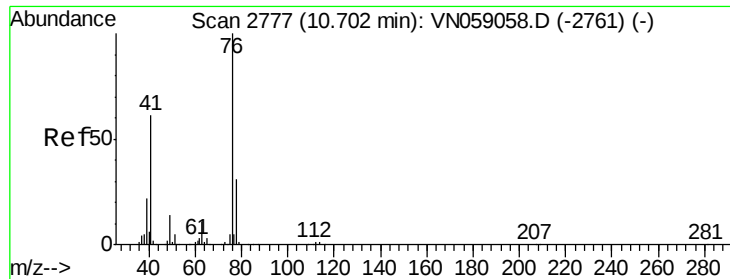
Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	69	Resp:	152794
Ion	Ratio	Lower	Upper
69	100		
41	69.1	53.8	80.8
39	34.1	26.2	39.2





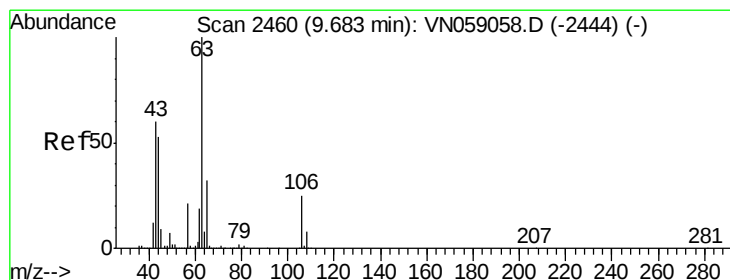
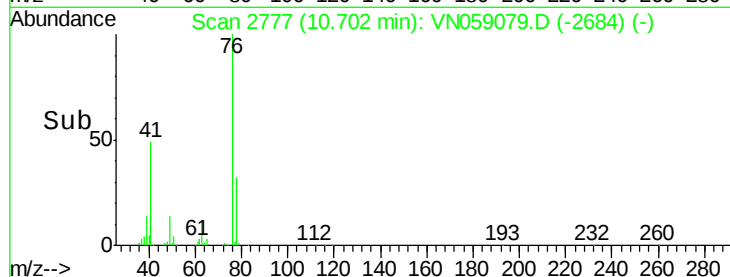
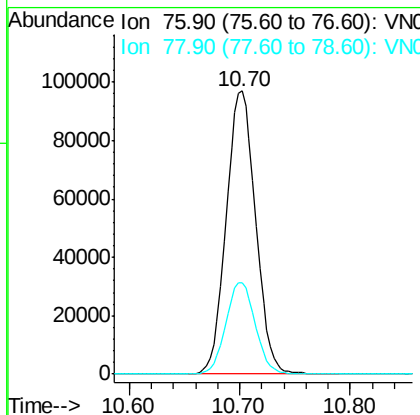
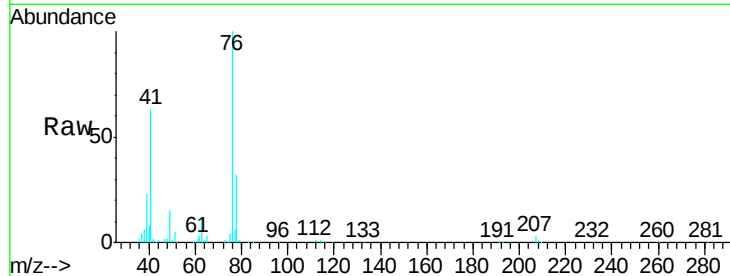
#57
 1,3-Dichloropropane
 Concen: 18.697 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion: 76 Resp: 179189
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

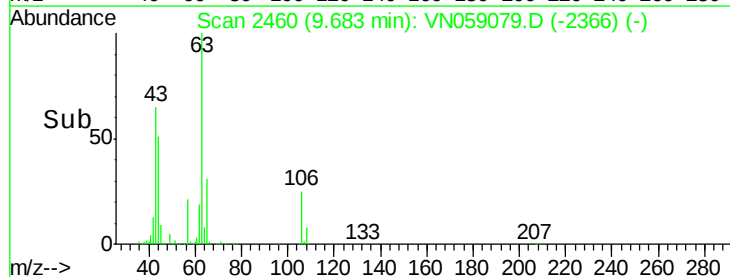
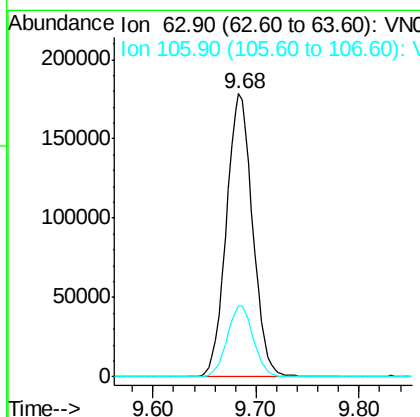
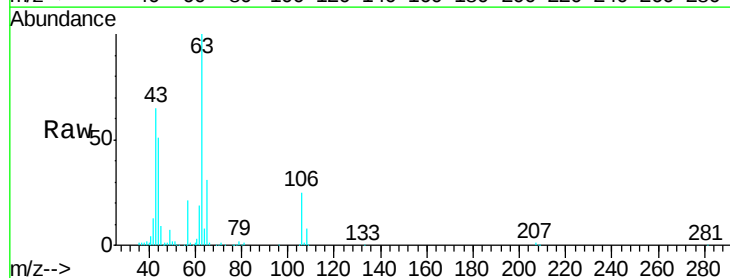
Manual Integrations
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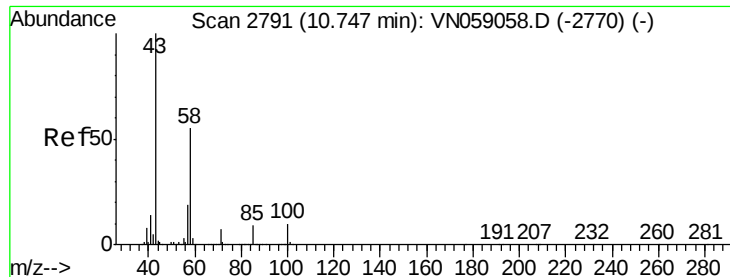
MMDadoda
 11/5/2019 2:00:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.858 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 63 Resp: 317095
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.6





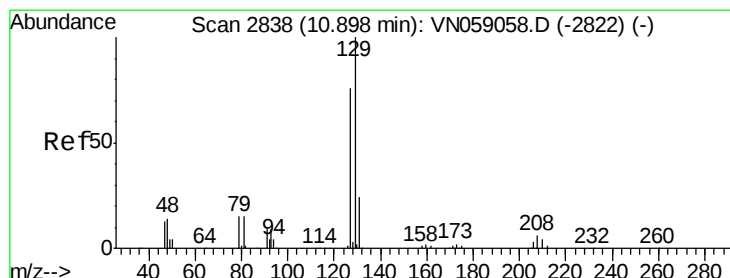
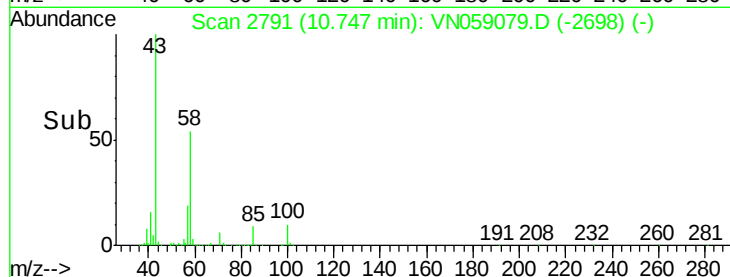
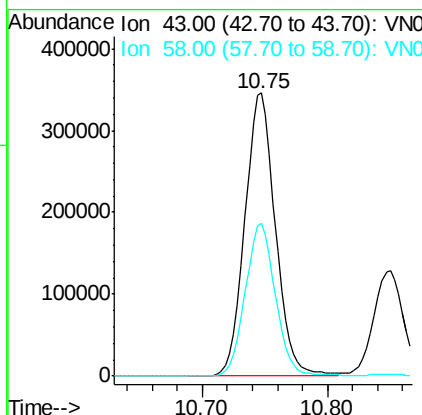
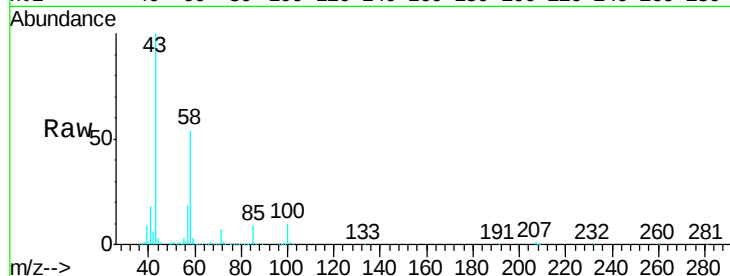
#59
2-Hexanone
Concen: 98.040 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.4	82.2

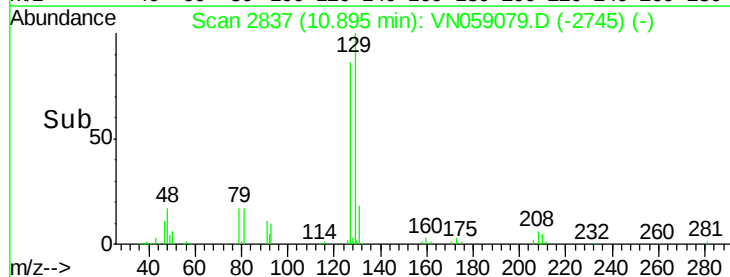
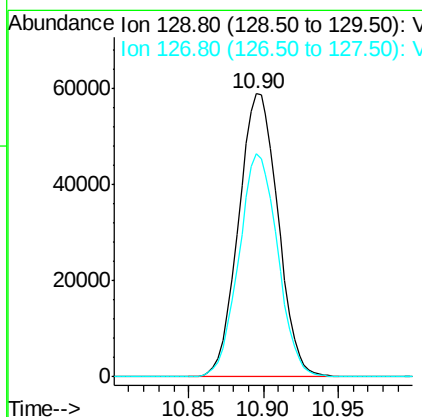
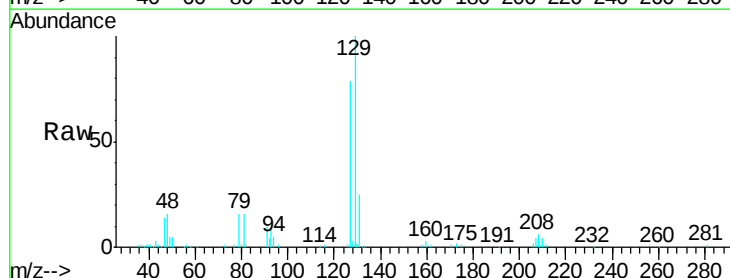
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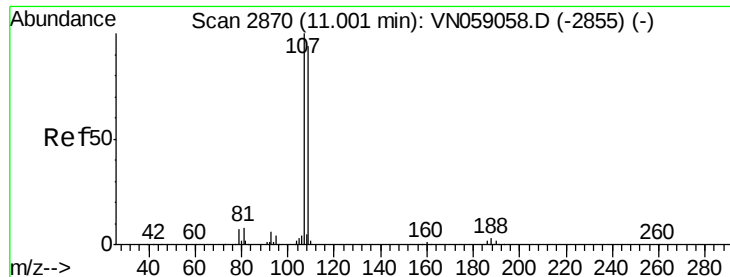
MMDadoda
11/5/2019 2:00:07 PM



#60
Dibromochloromethane
Concen: 18.213 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.8





#61

1,2-Dibromoethane

Concen: 18.925 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 107 Resp: 105658

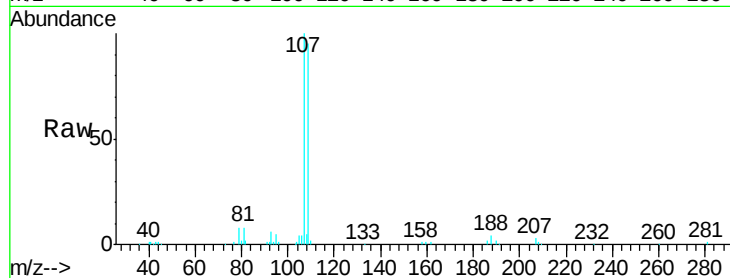
Ion Ratio Lower Upper

107 100

109 93.1 75.5 113.3

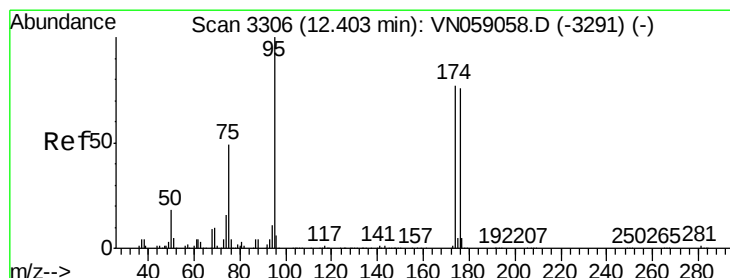
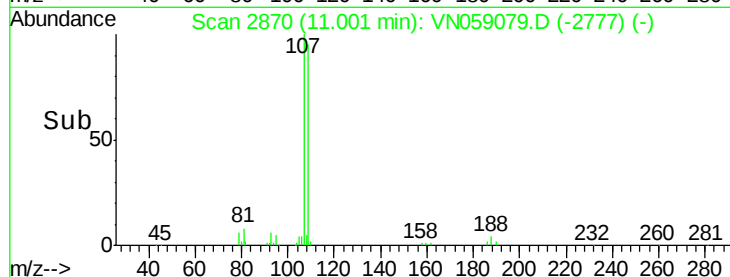
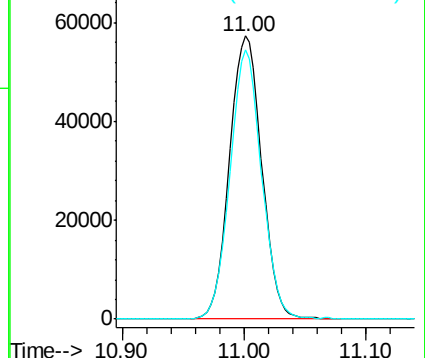
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.142 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

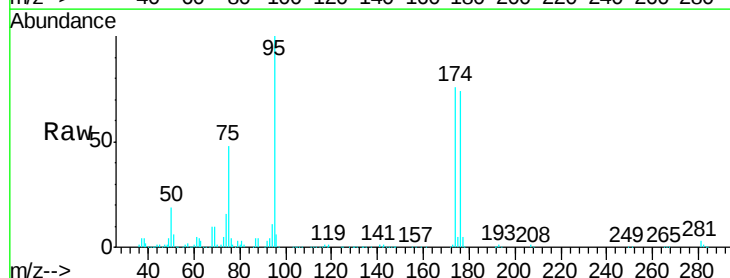
Tgt Ion: 95 Resp: 319038

Ion Ratio Lower Upper

95 100

174 77.5 0.0 155.8

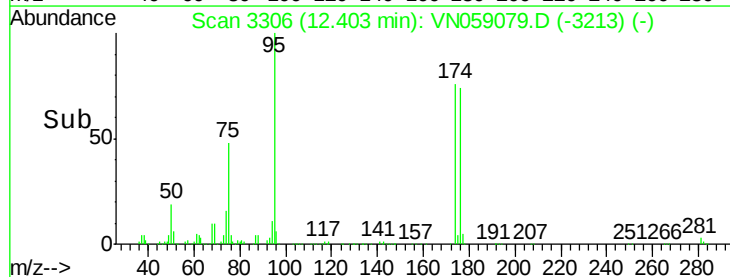
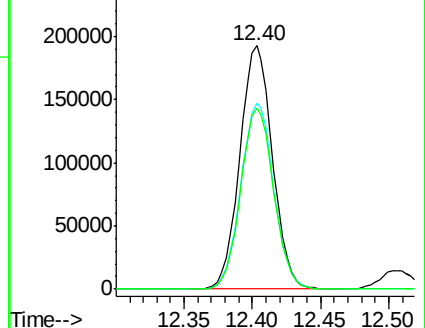
176 75.2 0.0 151.6

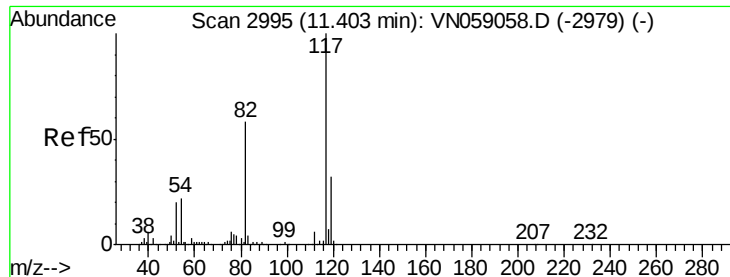


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





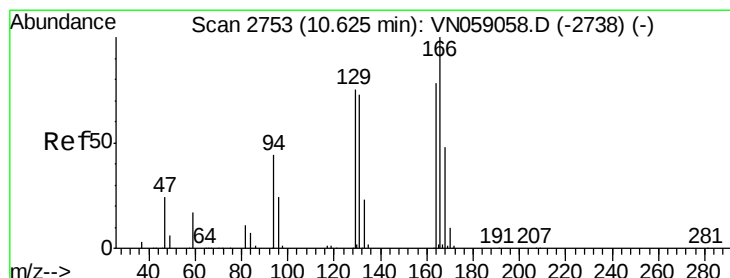
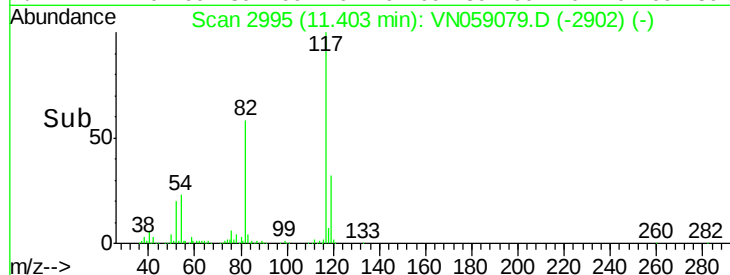
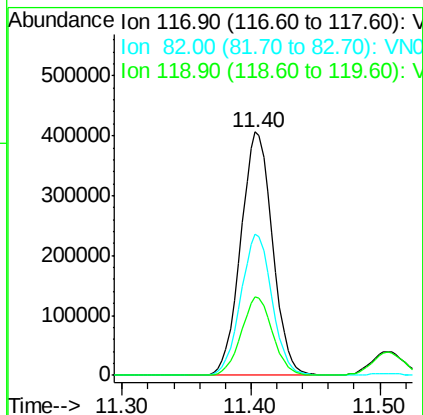
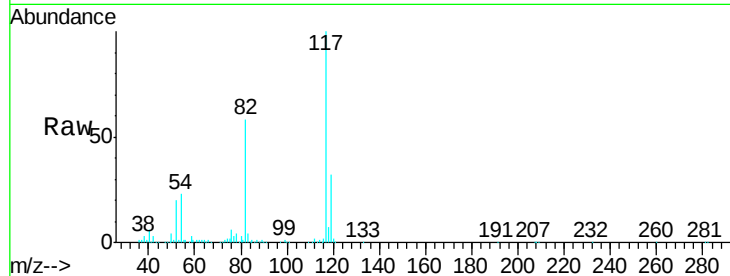
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	695666		
82	57.8	46.0	69.0	
119	32.0	25.6	38.4	

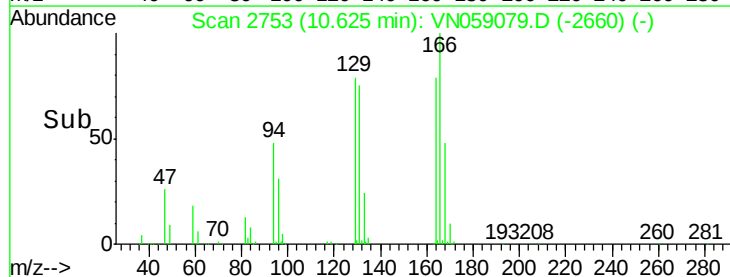
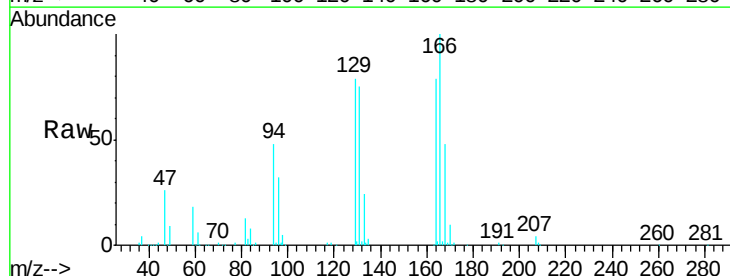
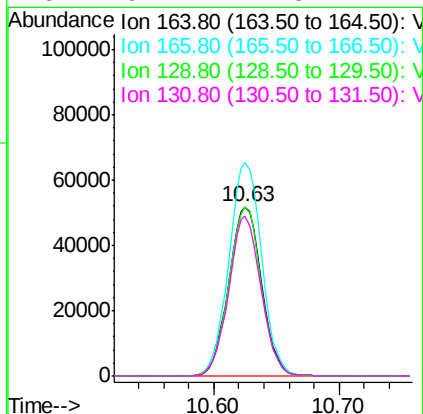
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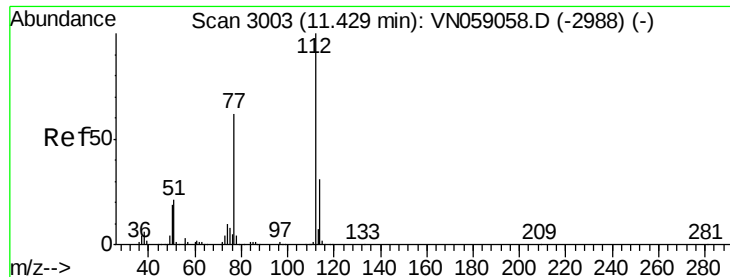
MMDadoda
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#64
Tetrachloroethene
Concen: 19.395 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94253		
166	125.9	102.7	154.1	
129	99.4	77.3	115.9	
131	94.1	74.8	112.2	





#65

Chlorobenzene

Concen: 18.958 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion:112 Resp: 270687

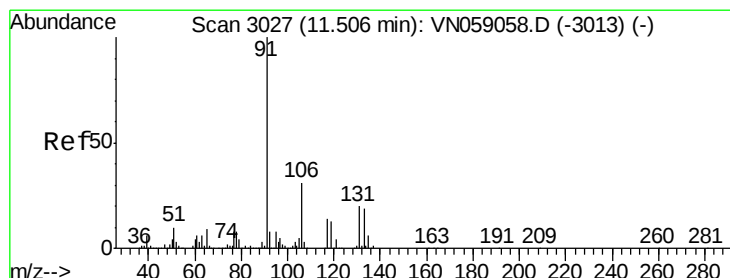
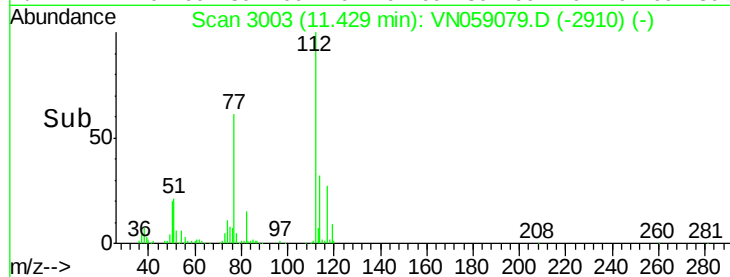
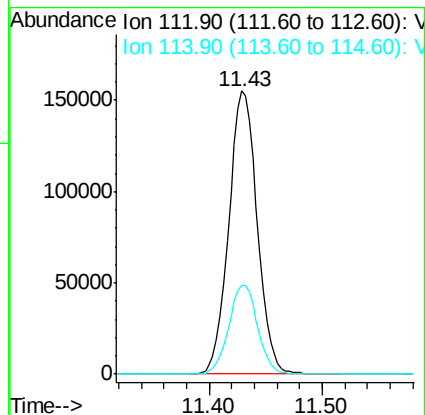
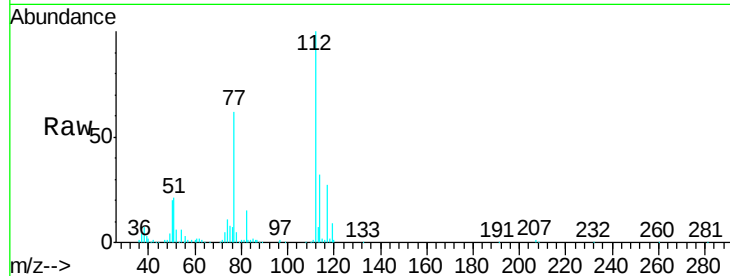
Ion Ratio Lower Upper

112 100

114 31.5 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

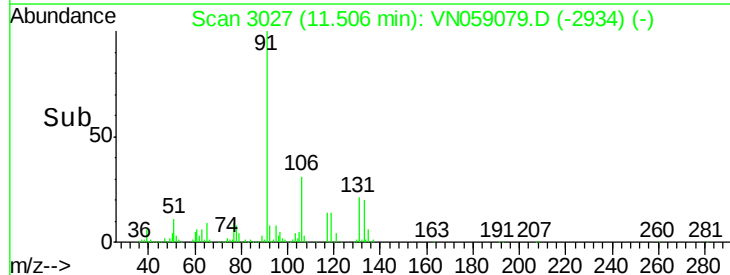
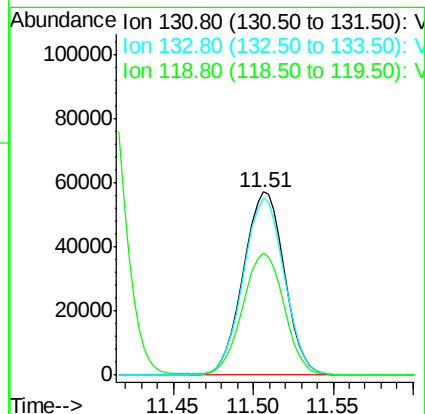
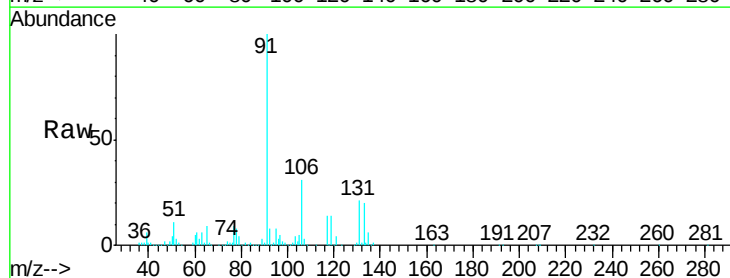
Tgt Ion:131 Resp: 100715

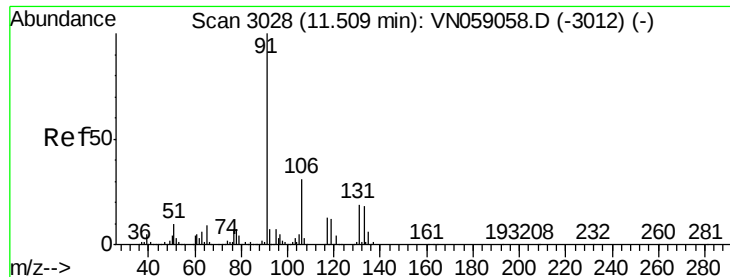
Ion Ratio Lower Upper

131 100

133 96.9 47.9 143.6

119 66.8 33.5 100.5





#67

Ethyl Benzene

Concen: 19.571 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 91 Resp: 483718

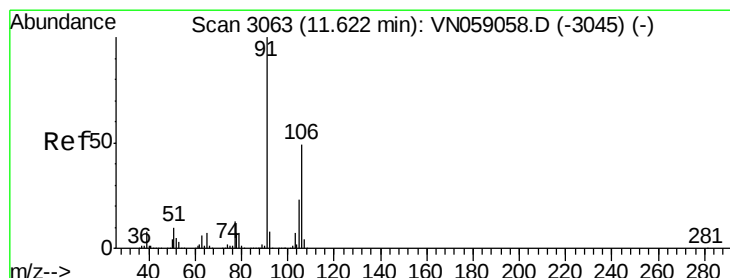
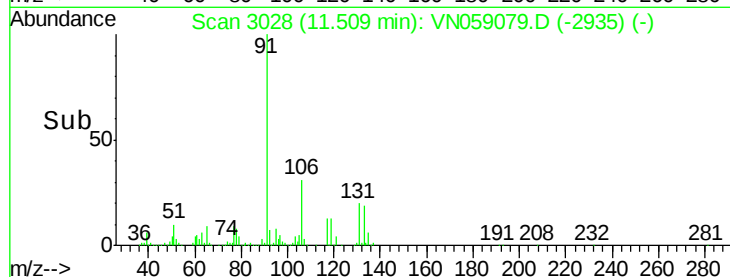
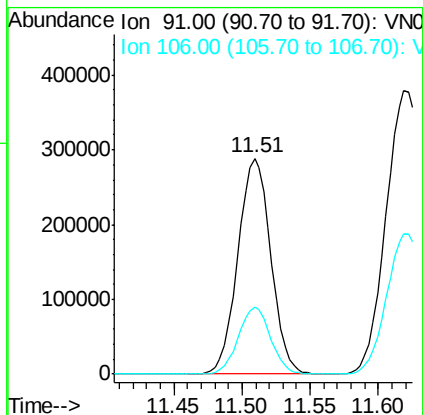
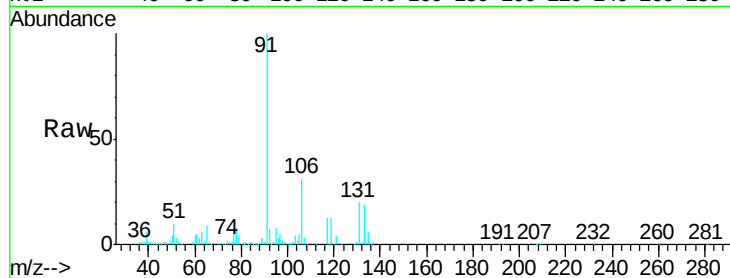
Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.317 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059079.D

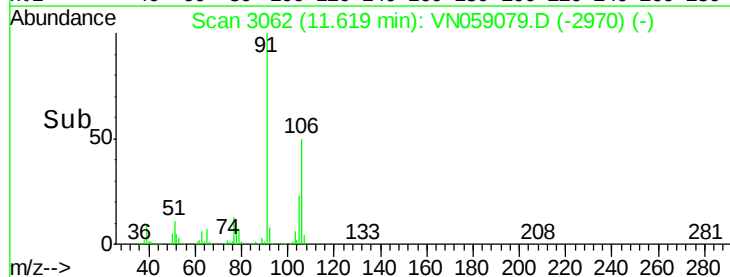
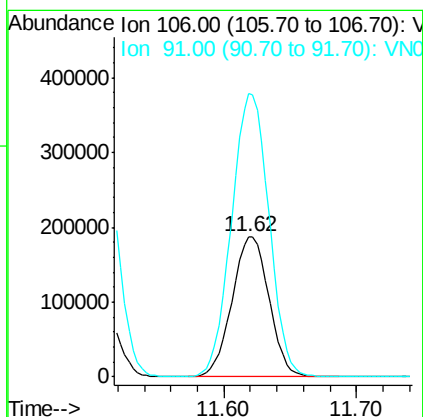
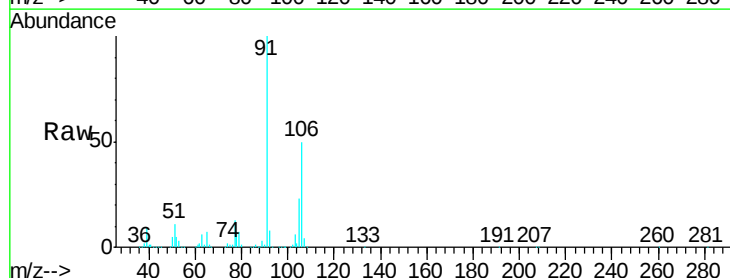
Acq: 4 Nov 2019 12:18

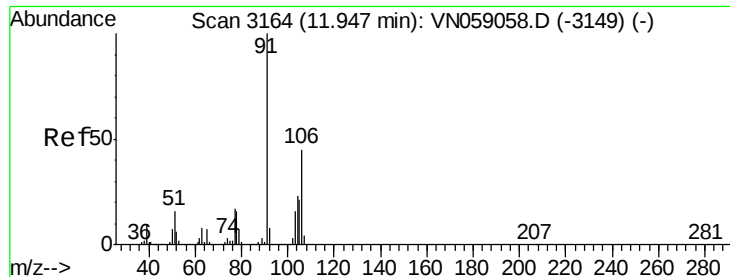
Tgt Ion: 106 Resp: 362872

Ion Ratio Lower Upper

106 100

91 204.4 165.7 248.5





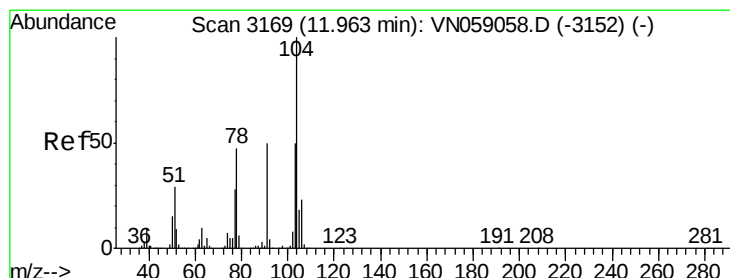
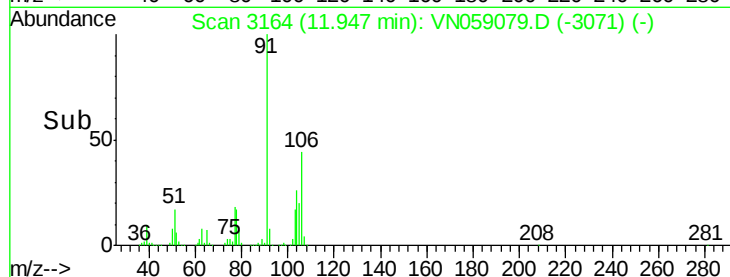
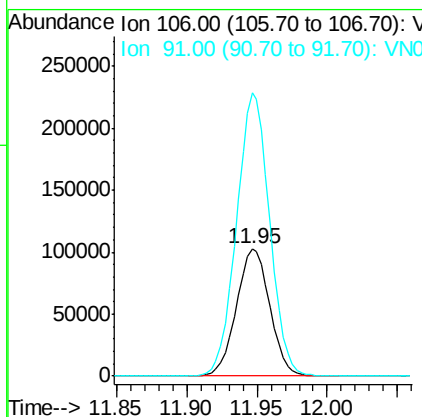
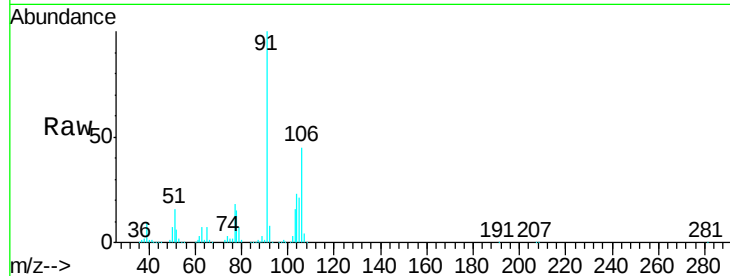
#69
o-Xylene
Concen: 19.323 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion:106 Resp: 170301
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2

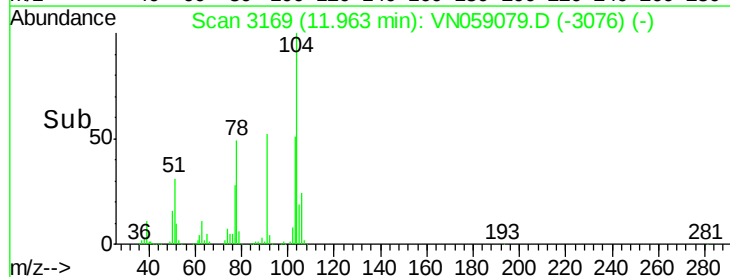
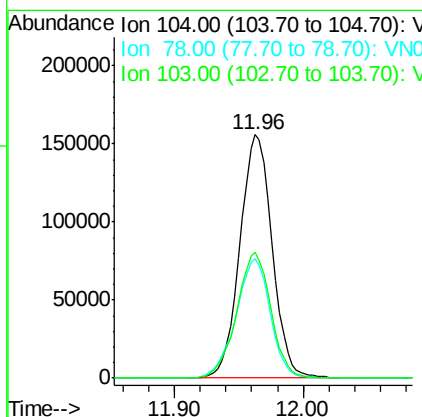
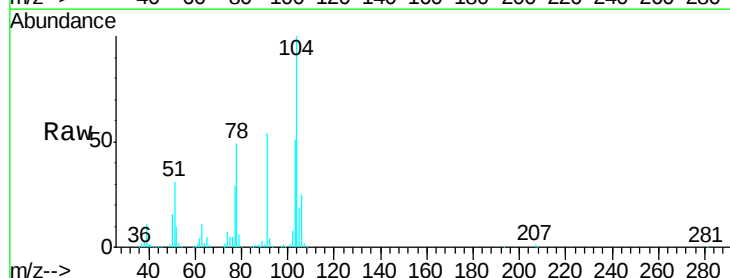
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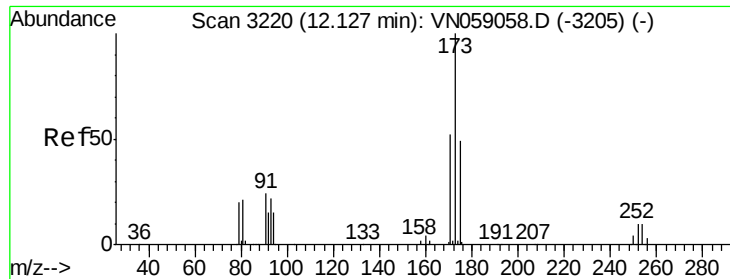
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#70
Styrene
Concen: 18.994 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion:104 Resp: 271275
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 54.8 43.9 65.9





#71

Bromoform

Concen: 18.678 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

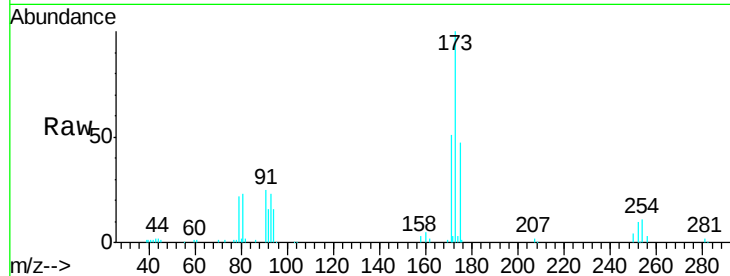
ClientSampleId :

VN1104WBS02

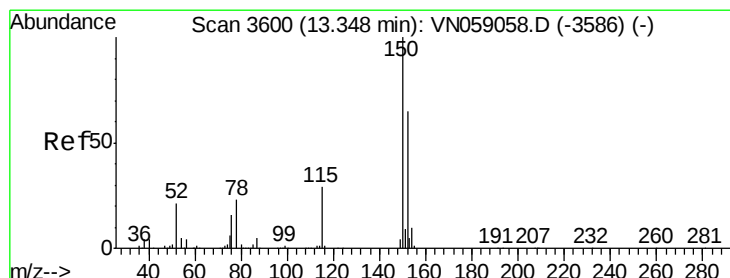
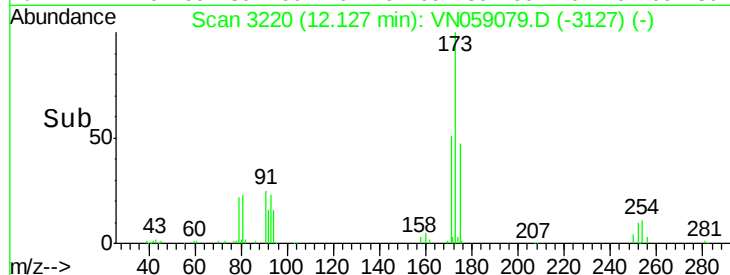
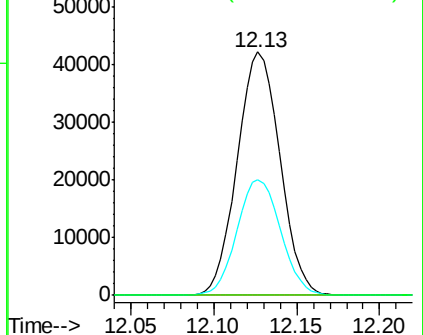
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

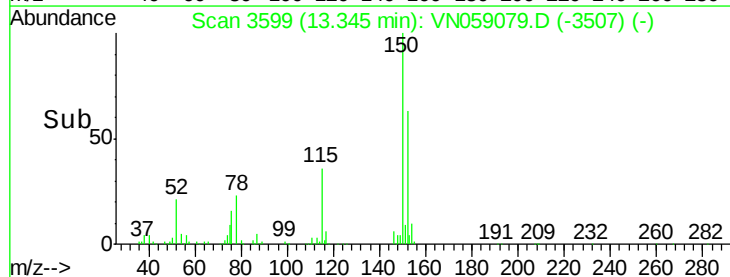
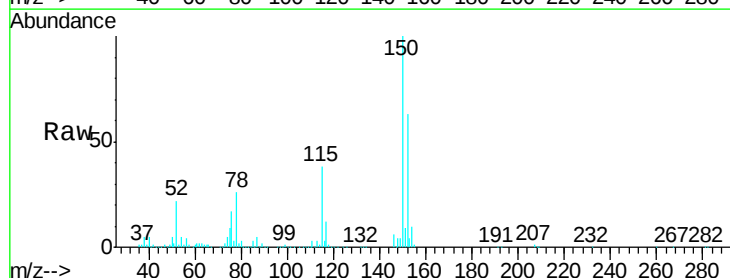
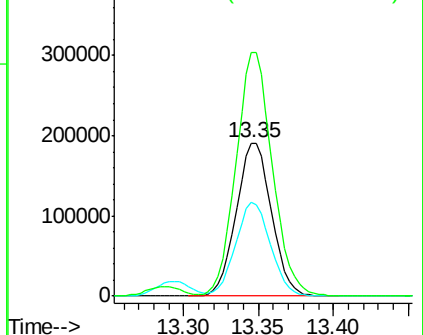
Delta R.T. -0.00 min

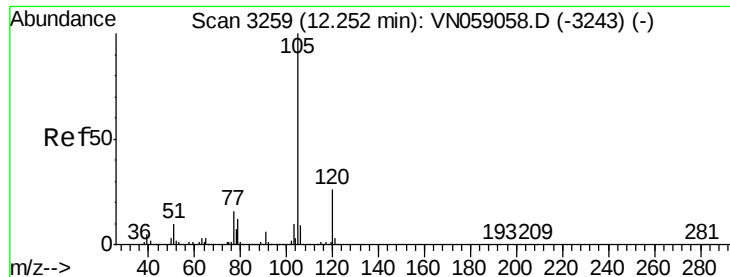
Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.6	88.9
150	164.2	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: 20.174 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 105 Resp: 464894

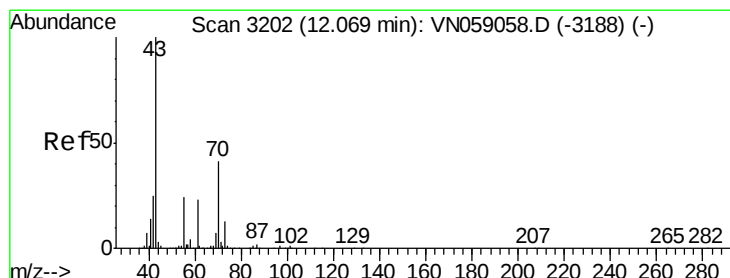
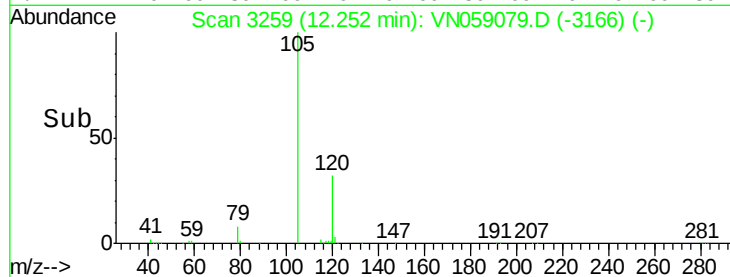
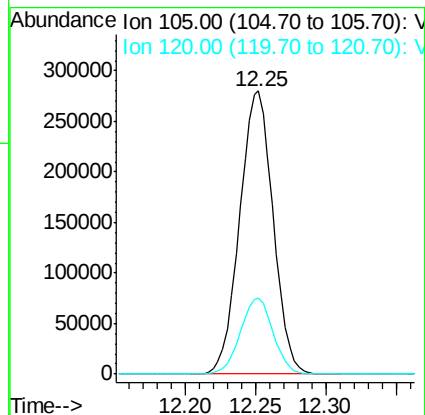
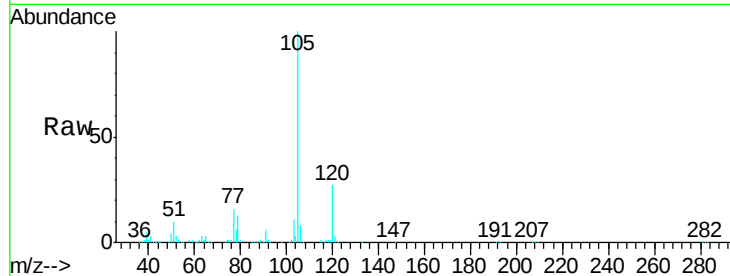
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1

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#74

N-ethyl acetate

Concen: 18.785 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion: 43 Resp: 192563

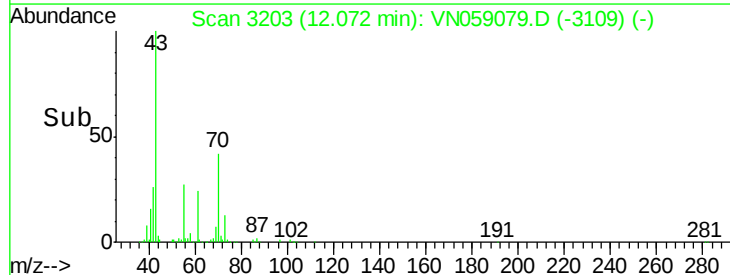
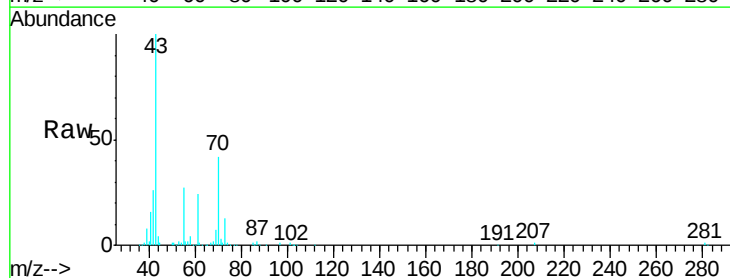
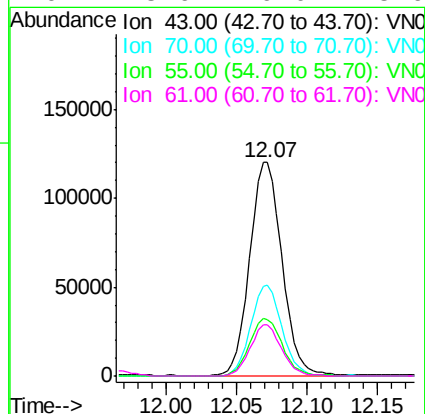
Ion Ratio Lower Upper

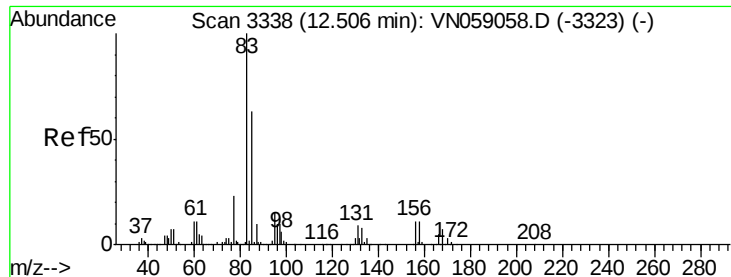
43 100

70 41.4 32.6 49.0

55 27.3 19.7 29.5

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.107 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

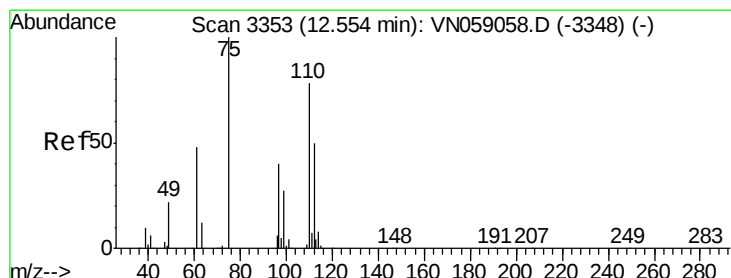
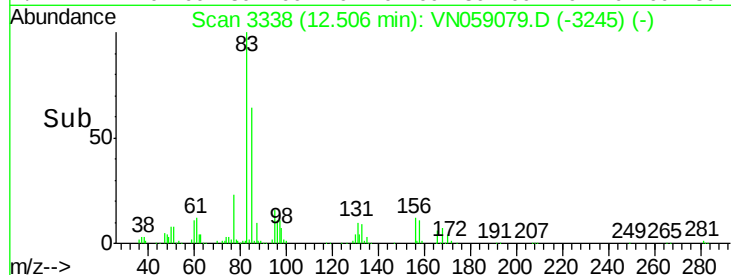
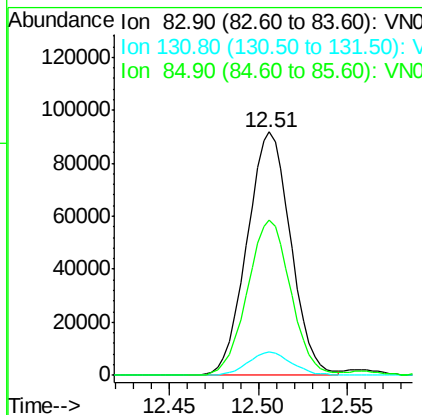
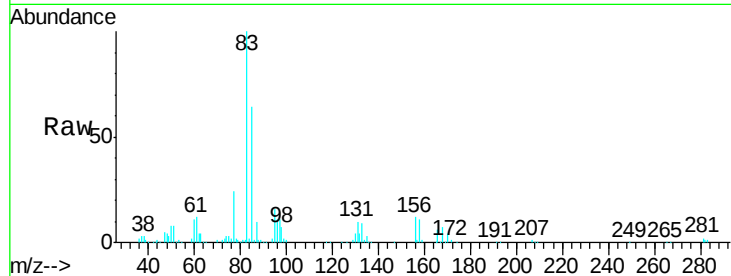
ClientSampleId :

VN1104WBS02

Tgt Ion:	83	Resp:	156847
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.417 ug/l m

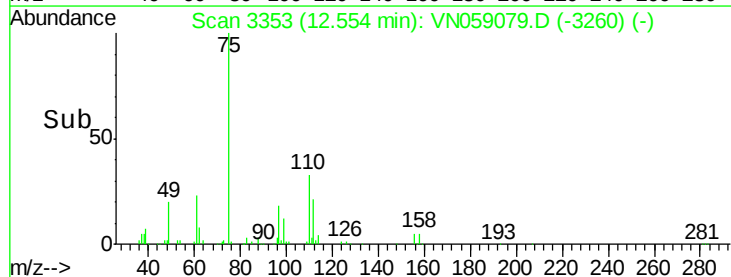
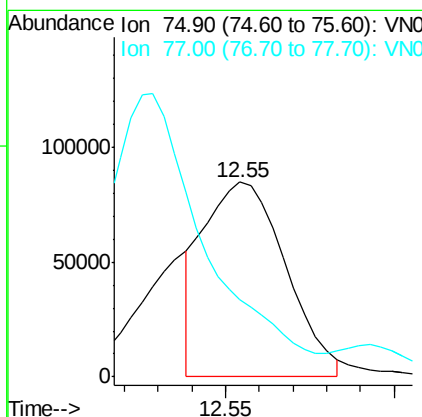
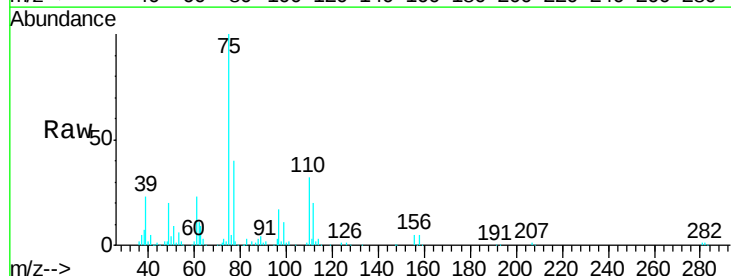
RT: 12.55 min Scan# 3353

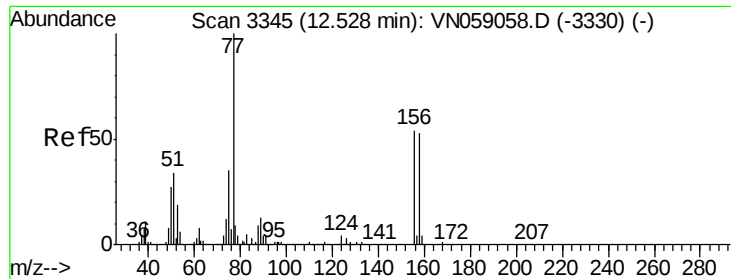
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	75	Resp:	143929
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.345 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

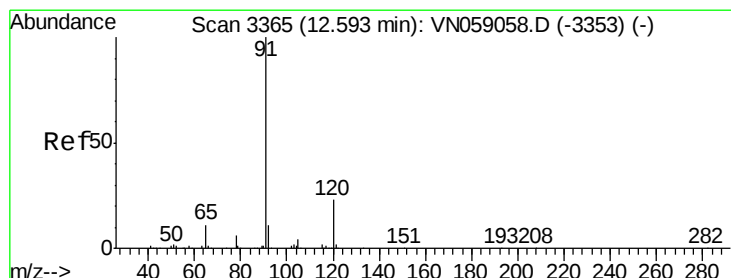
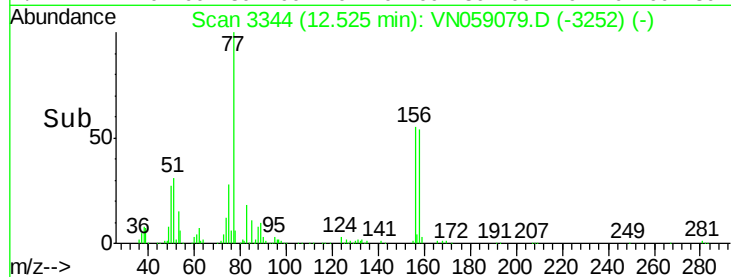
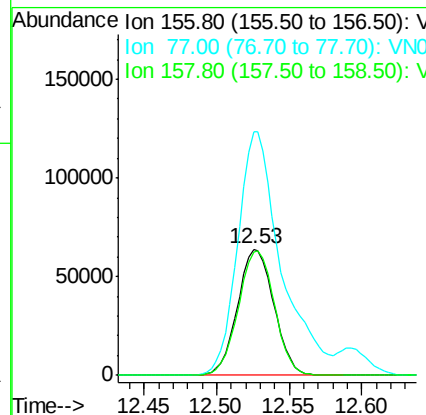
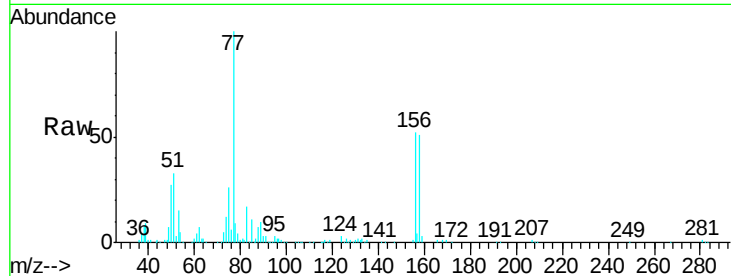
ClientSampleId :

VN1104WBS02

Tgt Ion:	156	Resp:	111464
Ion Ratio	Lower	Upper	
156	100		
77	231.6	114.2	342.6
158	97.7	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.369 ug/l

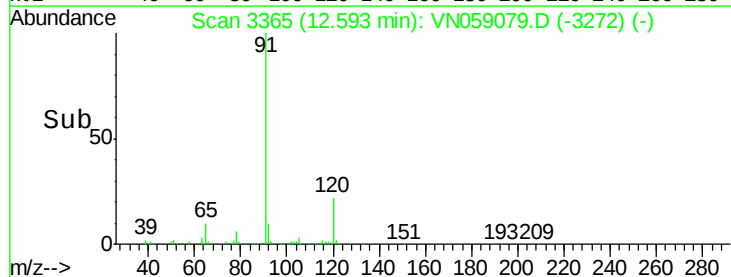
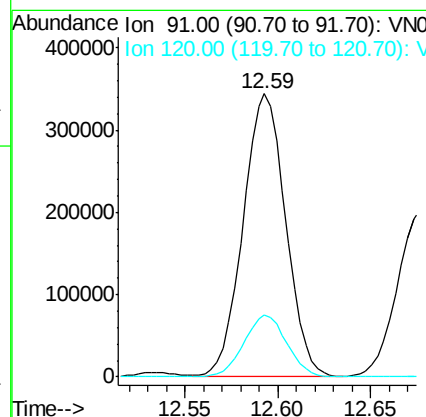
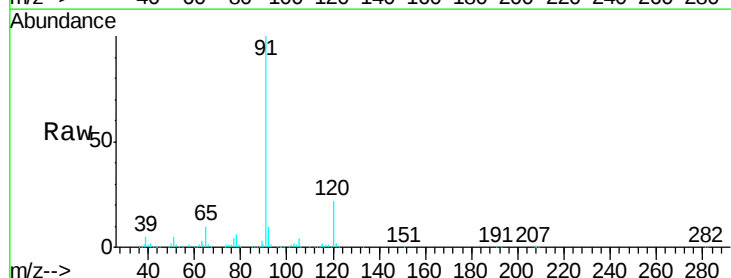
RT: 12.59 min Scan# 3365

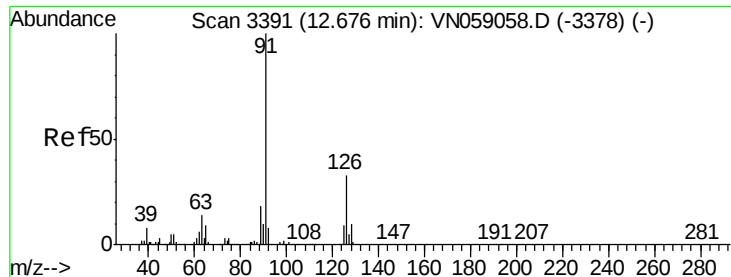
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	91	Resp:	543646
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.770 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 91 Resp: 327637

Ion Ratio Lower Upper

91 100

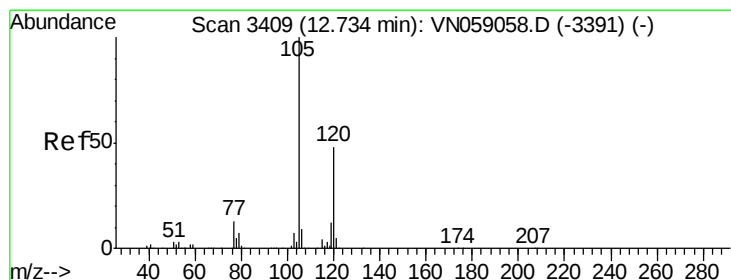
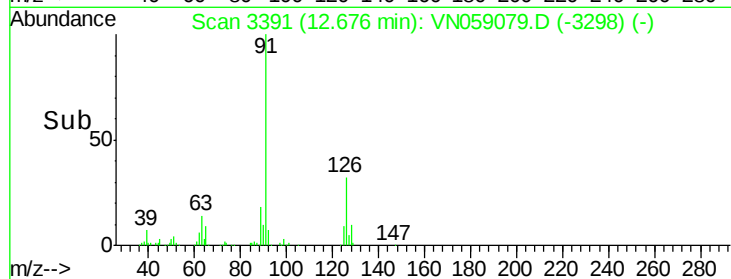
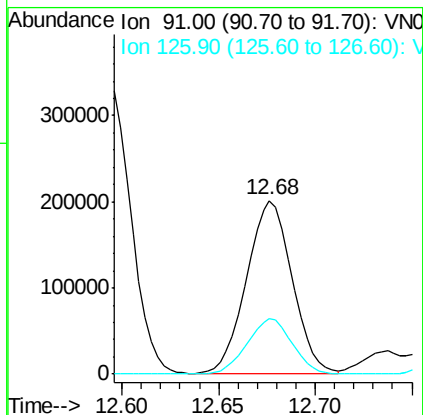
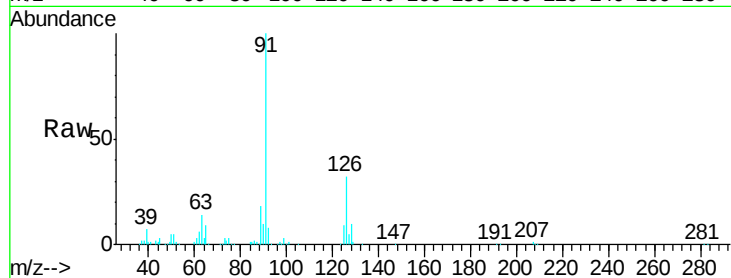
126 32.1 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.871 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059079.D

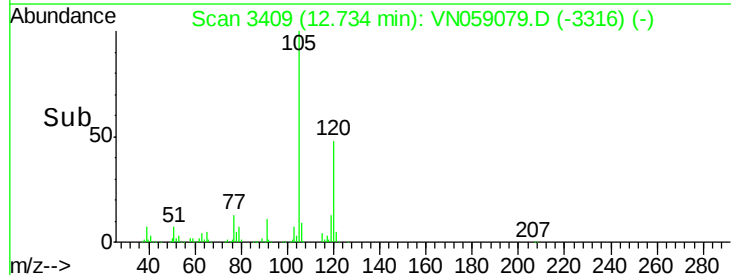
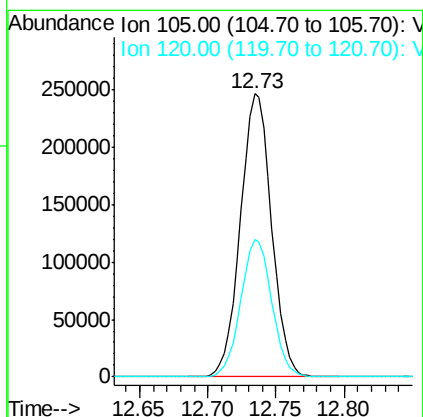
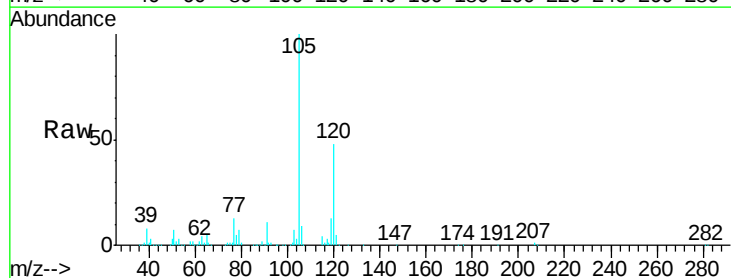
Acq: 4 Nov 2019 12:18

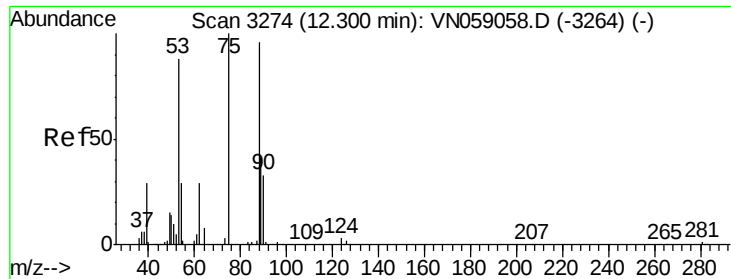
Tgt Ion: 105 Resp: 389167

Ion Ratio Lower Upper

105 100

120 48.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.819 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

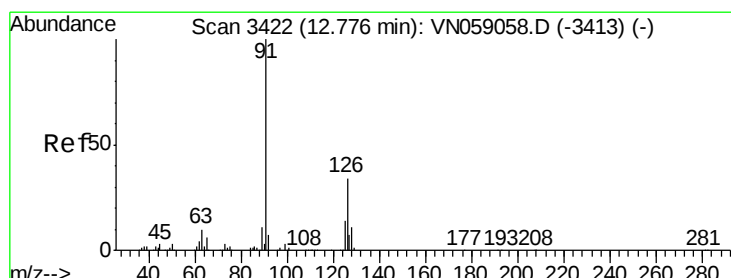
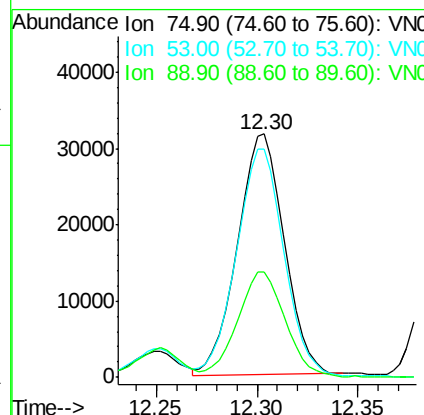
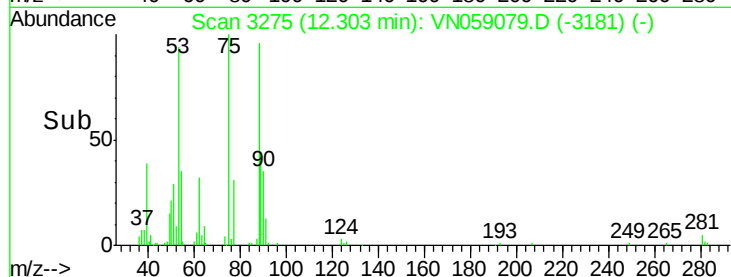
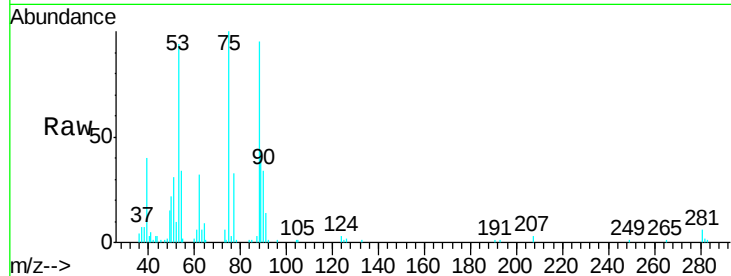
ClientSampleId :

VN1104WBS02

Tgt Ion:	75	Resp:	51524
Ion	Ratio	Lower	Upper
75	100		
53	95.7	70.4	105.6
89	44.4	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.239 ug/l

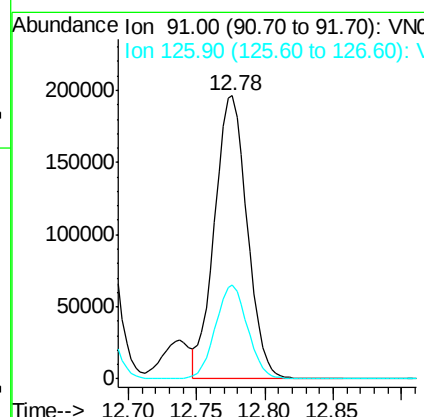
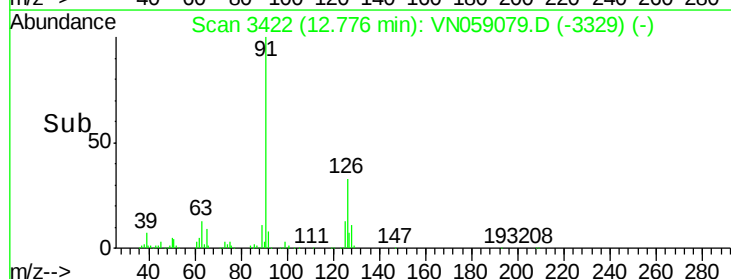
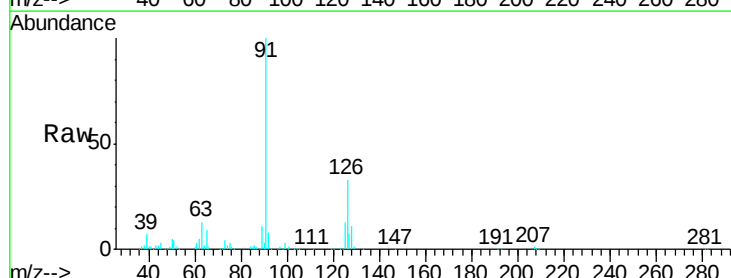
RT: 12.78 min Scan# 3422

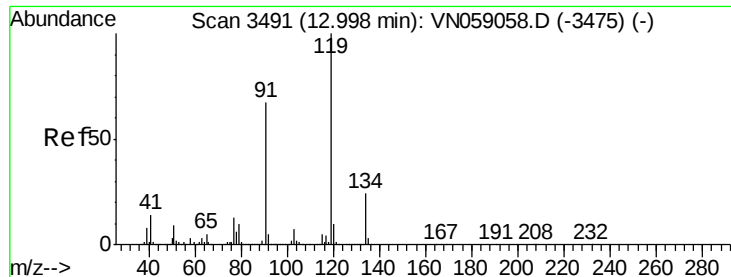
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	91	Resp:	325391
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	47.9





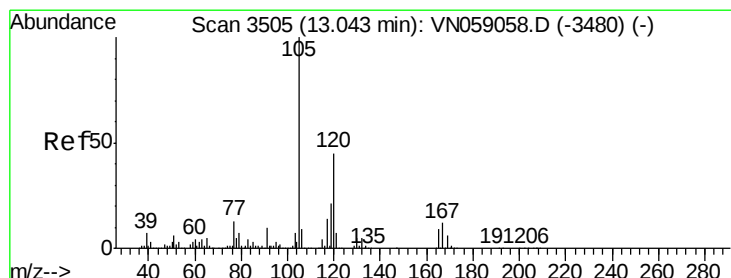
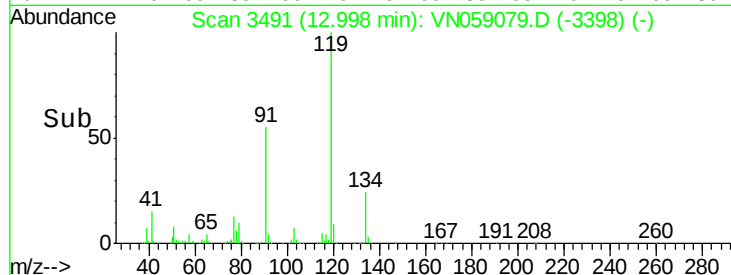
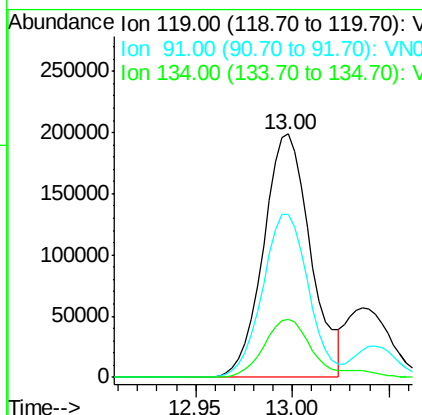
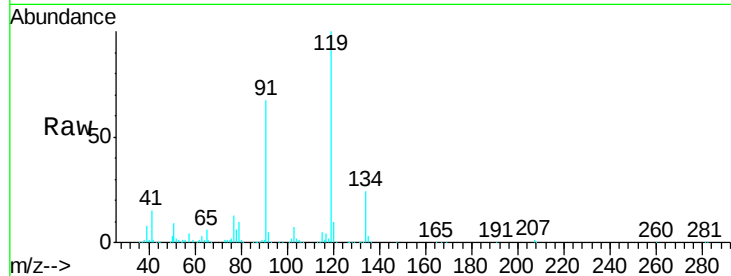
#83
 tert-Butylbenzene
 Concen: 20.163 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.7	101.0
134	25.6	12.9	38.7

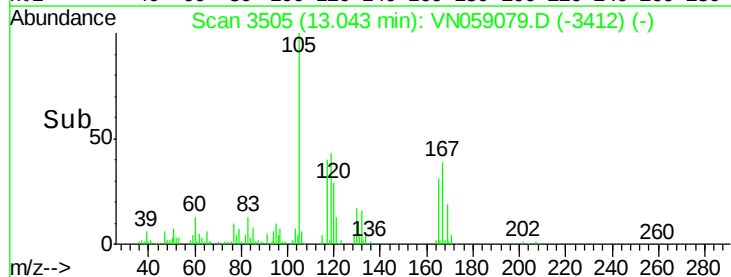
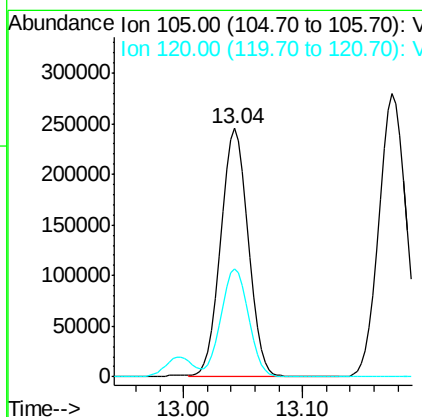
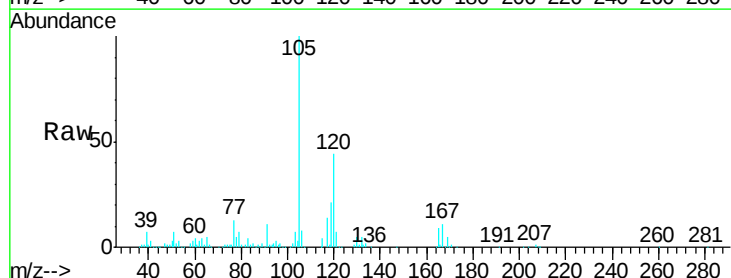
Manual Integrations
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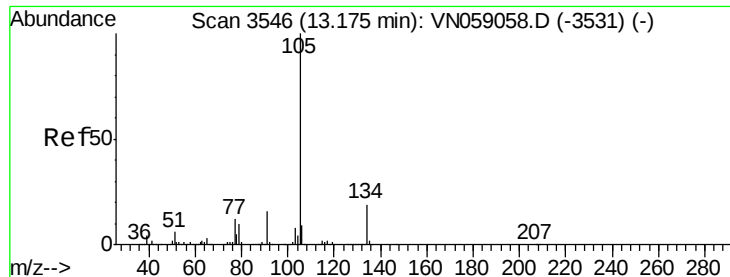
MMDadoda
 11/5/2019 2:00:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.624 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





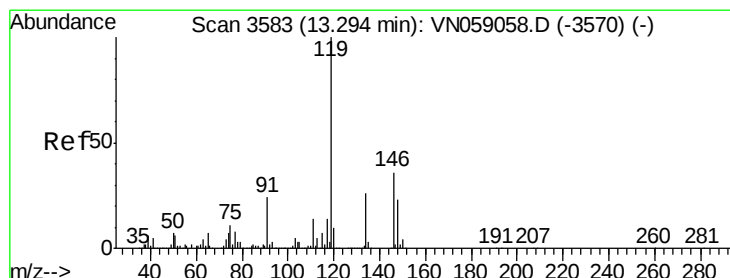
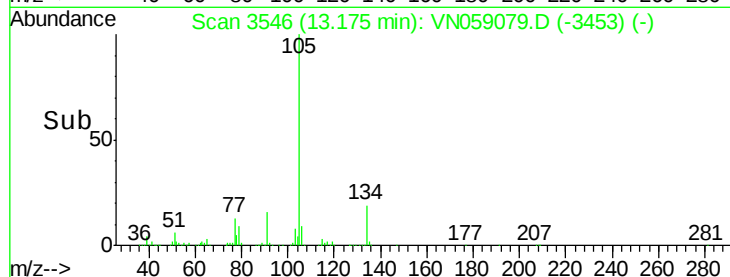
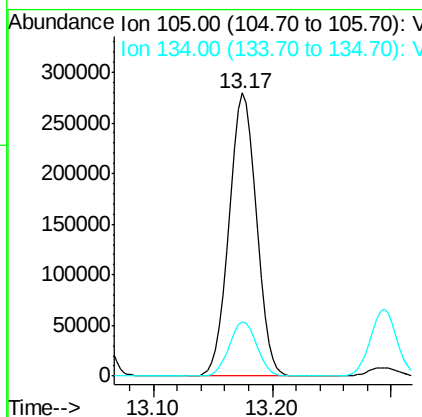
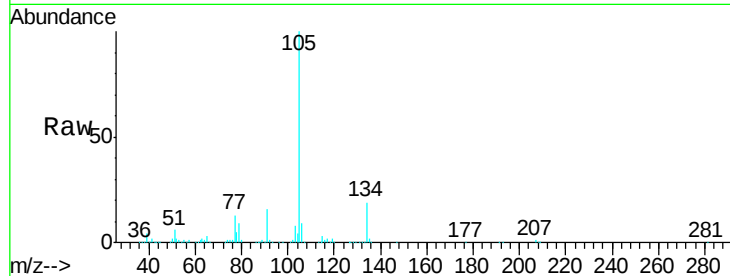
#85
 sec-Butylbenzene
 Concen: 20.476 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

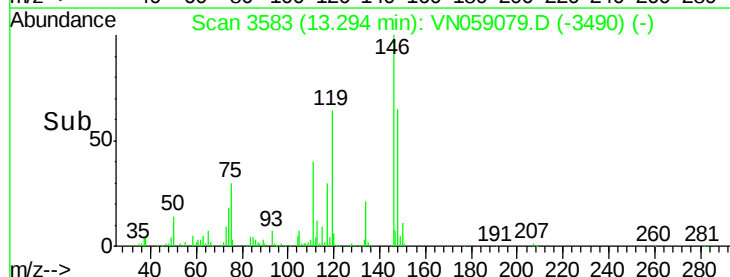
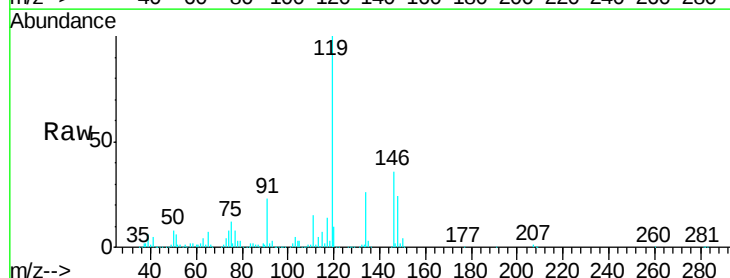
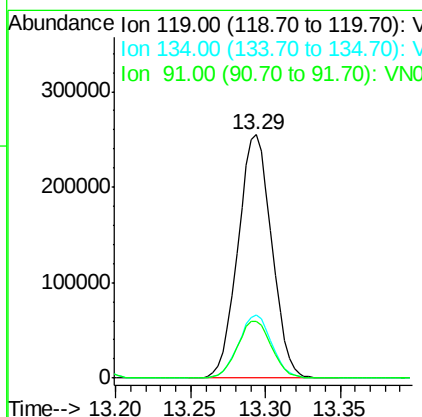
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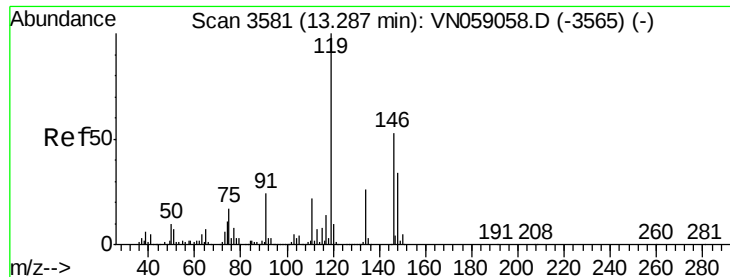
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#86
 p-Isopropyltoluene
 Concen: 20.291 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	23.9	12.0	36.0





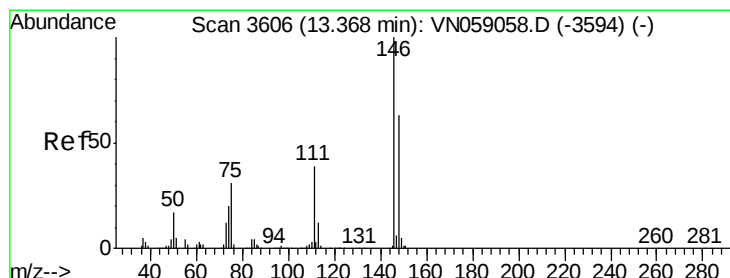
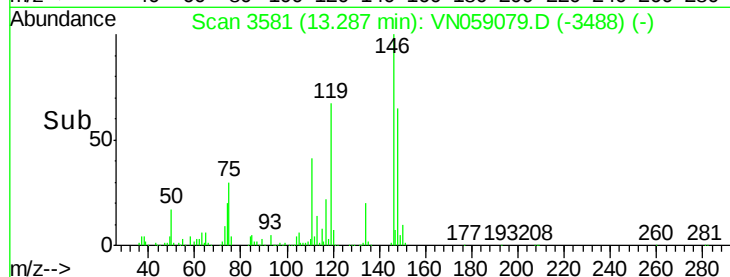
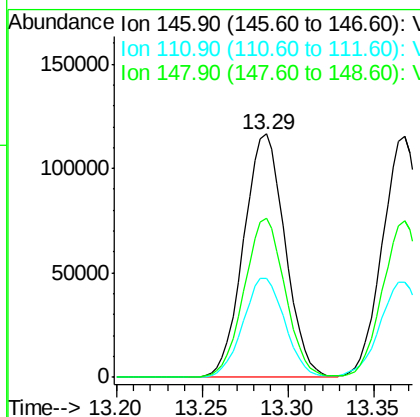
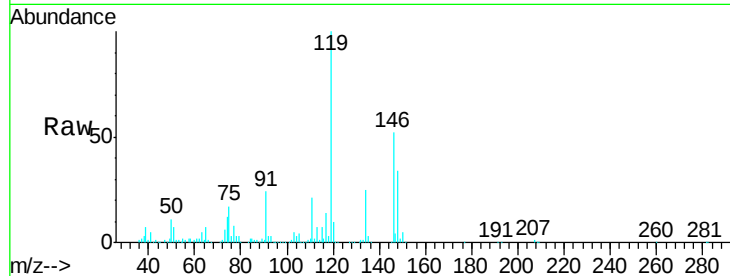
#87
 1,3-Dichlorobenzene
 Concen: 19.004 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.1	20.5	61.5
148	64.5	31.8	95.3

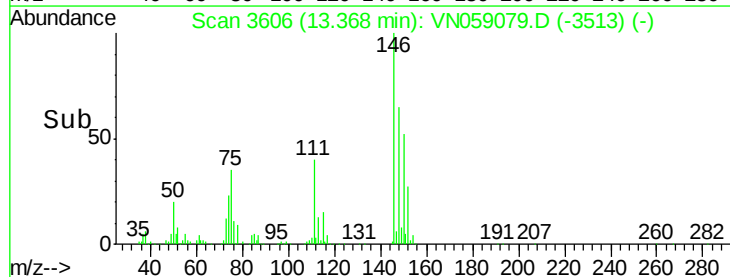
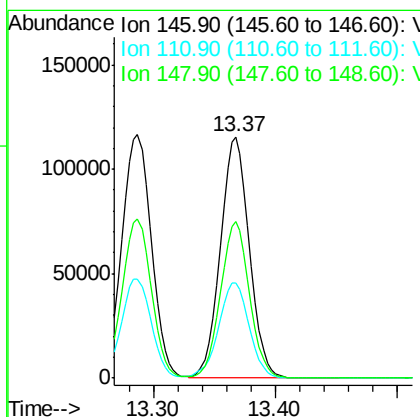
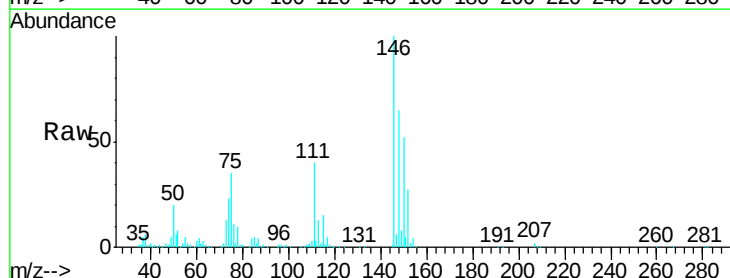
Manual Integrations
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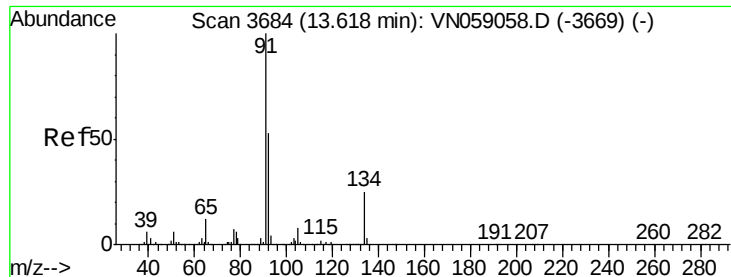
MMDadoda
 11/5/2019 2:00:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.020 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.4	20.1	60.2
148	64.3	31.9	95.7





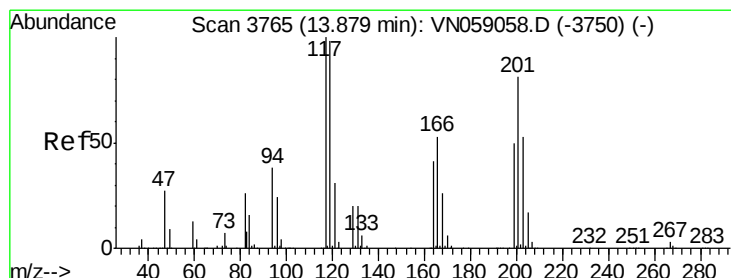
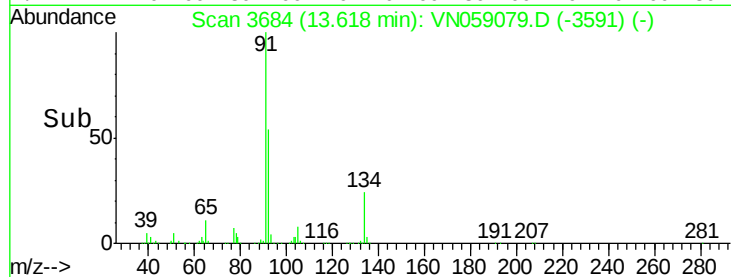
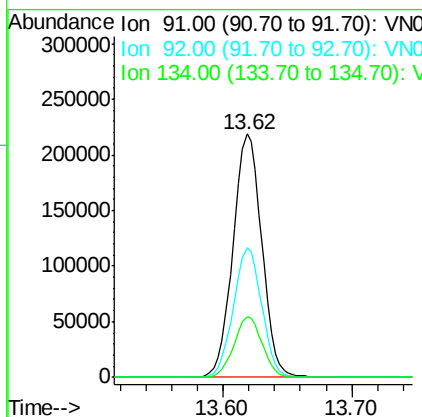
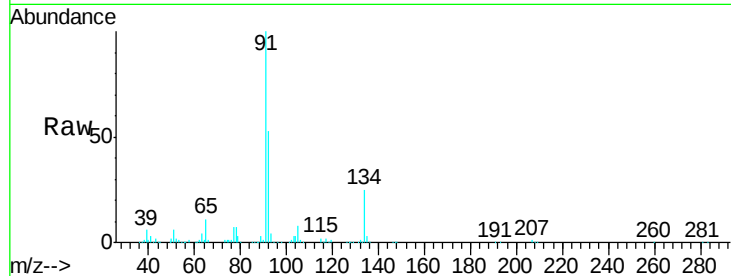
#89
n-Butylbenzene
Concen: 19.794 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	24.4	12.5	37.5

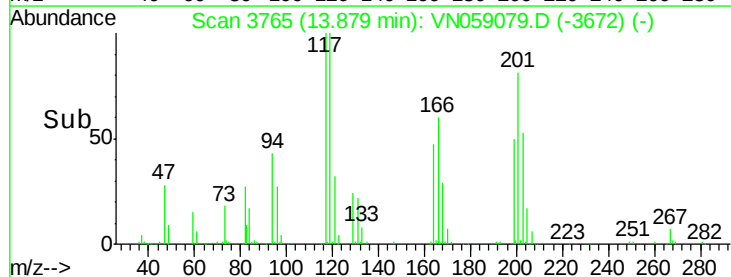
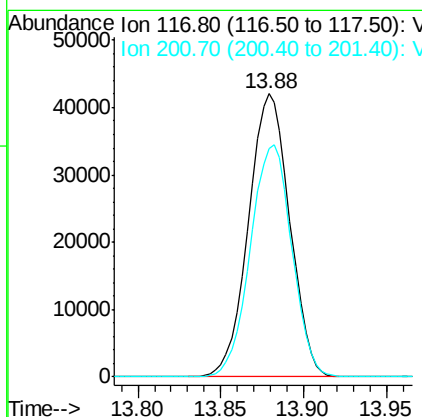
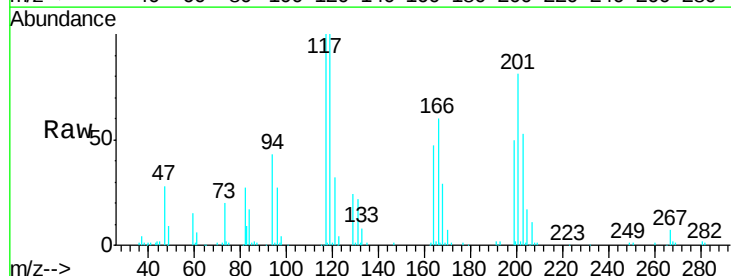
Manual Integrations
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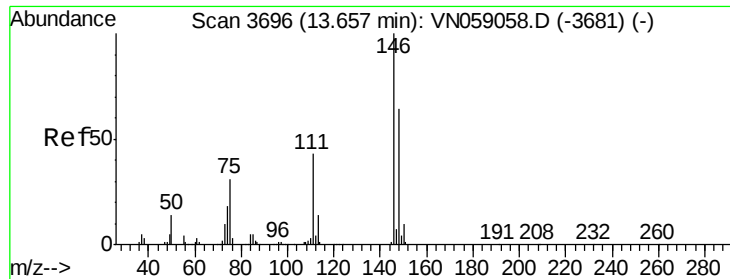
MMDadoda
11/5/2019 2:00:07 PM



#90
Hexachloroethane
Concen: 18.546 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 19.109 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

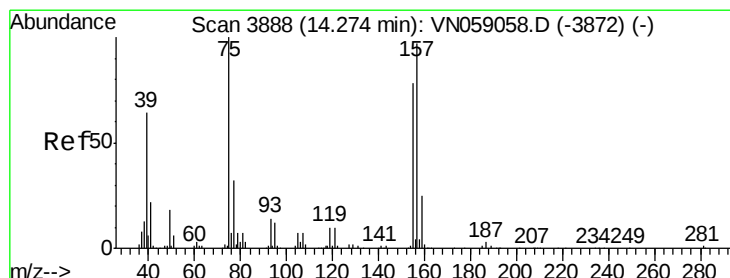
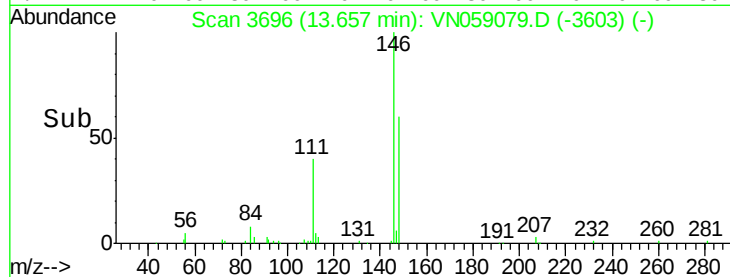
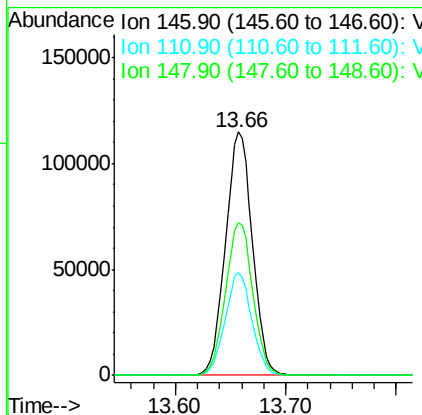
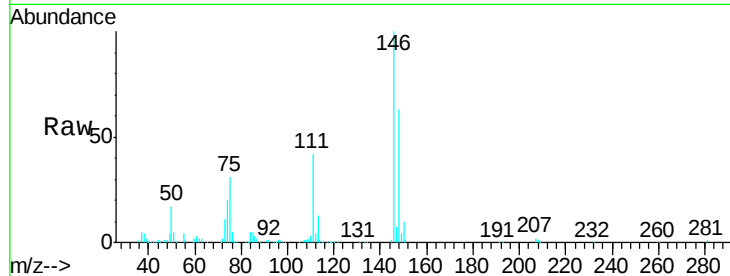
ClientSampleId :

VN1104WBS02

Tgt Ion:	146	Resp:	194657
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.2	63.6
148	63.6	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.829 ug/l

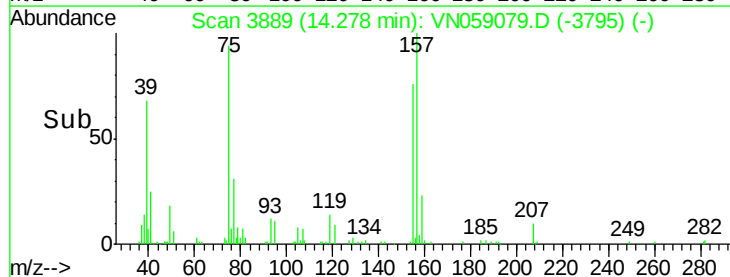
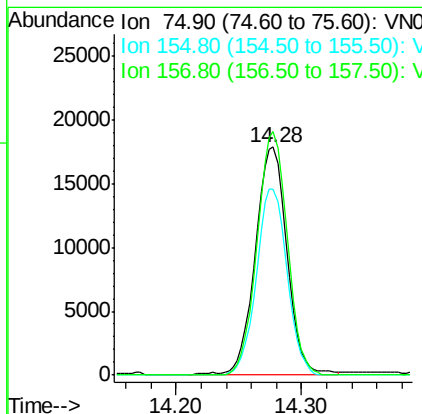
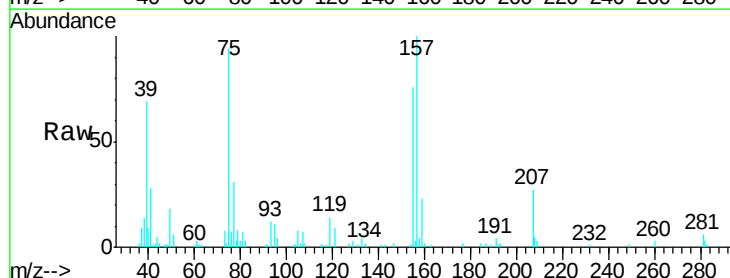
RT: 14.28 min Scan# 3889

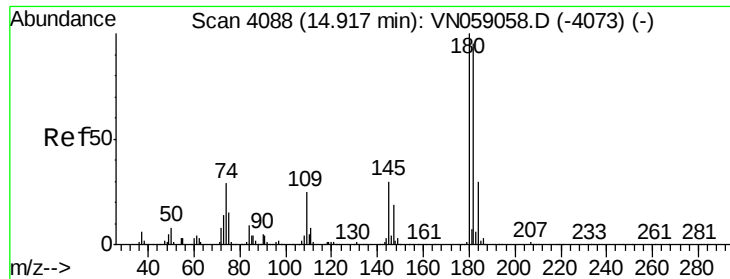
Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	75	Resp:	31612
Ion Ratio	Lower	Upper	
75	100		
155	78.5	39.7	119.1
157	101.2	51.0	153.0





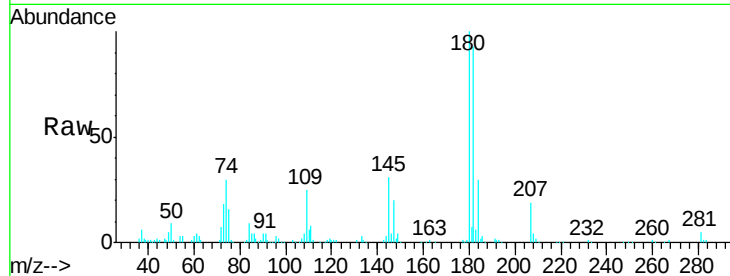
#93
 1,2,4-Trichlorobenzene
 Concen: 18.421 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101210		
182	95.9	47.8	143.4	
145	30.6	15.1	45.3	

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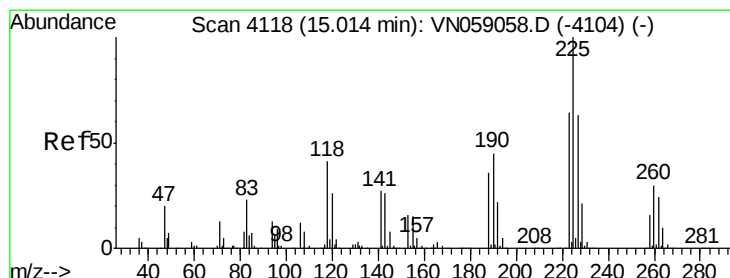
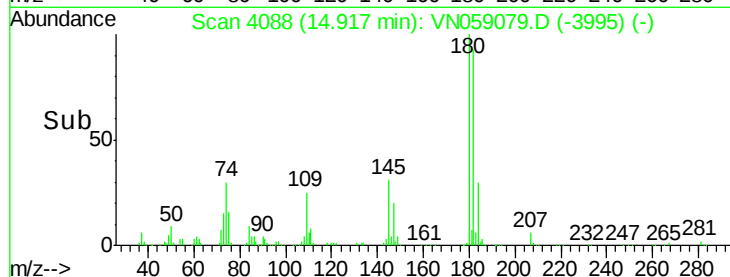
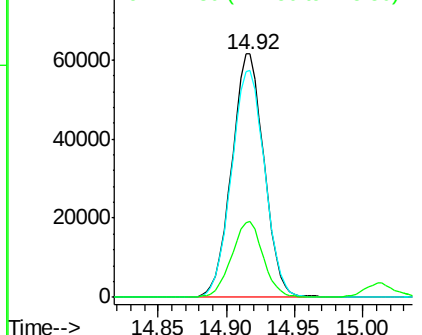


Abundance

Ion 179.80 (179.50 to 180.50): V

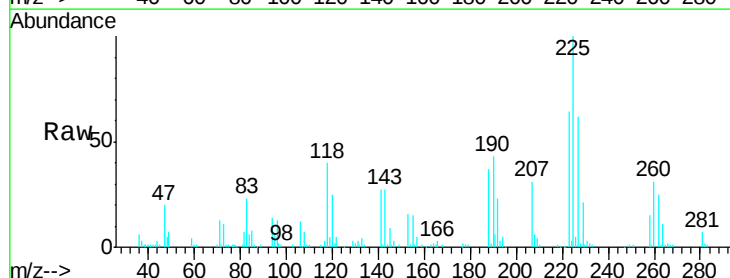
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.429 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64067		
223	63.3	31.6	95.0	
227	62.4	31.9	95.7	

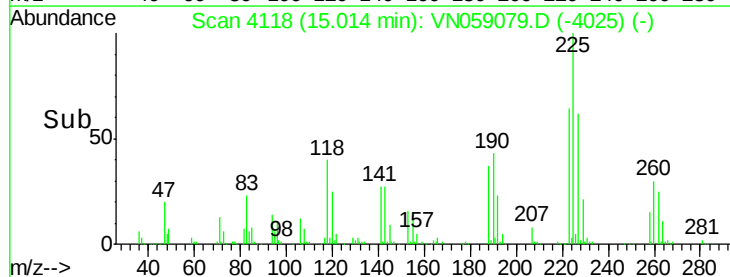
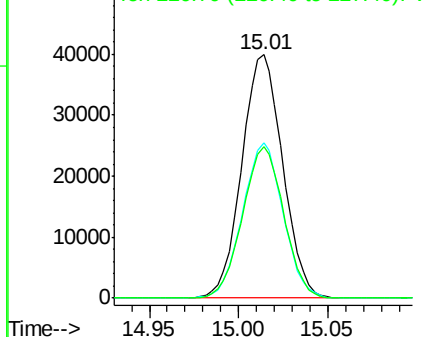


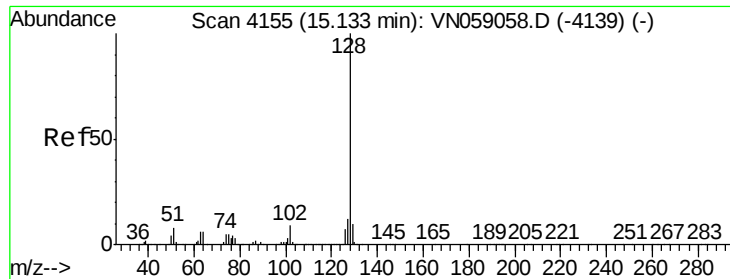
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





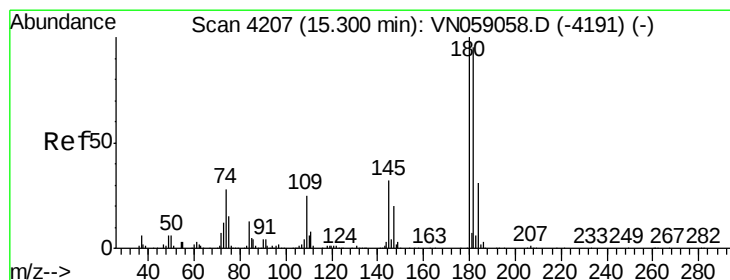
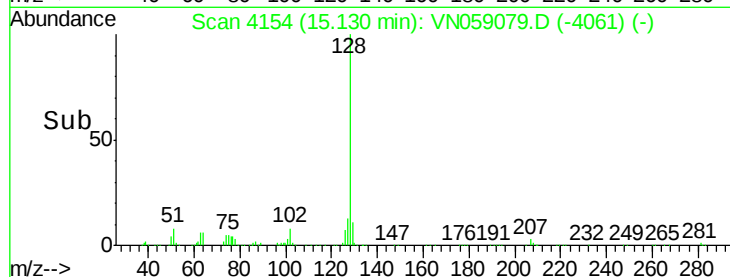
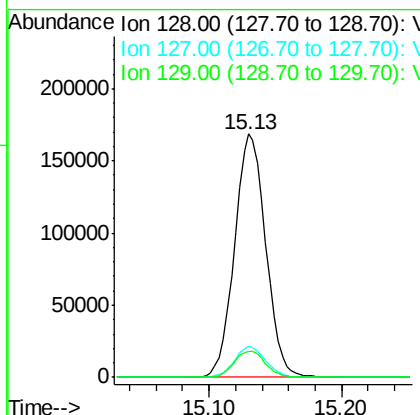
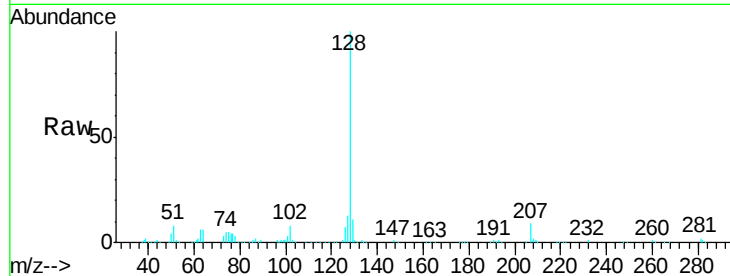
#95
Naphthalene
Concen: 18.062 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.7	9.9	14.9
129	11.0	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 18.510 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.1	47.7	143.1
145	32.7	16.0	48.0

