

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059065.D
 Acq On : 1 Nov 2019 16:20
 Operator : JC/SP
 Sample : VN1101WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:59:33 PM

Quant Time: Nov 02 05:39:07 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	7.65	168	438027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	699383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	629951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	289701	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
35) Dibromofluoromethane	7.57	113	218184	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
50) Toluene-d8	10.08	98	871971	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	303000	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	91618	19.345	ug/l	100
3) Chloromethane	2.04	50	126812	19.748	ug/l	98
4) Vinyl Chloride	2.17	62	124079	19.906	ug/l	98
5) Bromomethane	2.55	94	71864	19.501	ug/l	99
6) Chloroethane	2.69	64	73280	19.196	ug/l	98
7) Trichlorofluoromethane	3.00	101	150045	20.257	ug/l	98
8) Diethyl Ether	3.39	74	56556	19.552	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84870	19.440	ug/l	98
10) Methyl Iodide	3.93	142	101853	19.194	ug/l	97
11) Tert butyl alcohol	4.75	59	95930	89.349	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84300	19.416	ug/l	98
13) Acrolein	3.58	56	67799	100.076	ug/l	99
14) Allyl chloride	4.30	41	166566	19.360	ug/l	98
15) Acrylonitrile	4.96	53	269068	99.903	ug/l	98
16) Acetone	3.79	43	268374	91.380	ug/l	98
17) Carbon Disulfide	4.03	76	260944	18.904	ug/l	98
18) Methyl Acetate	4.30	43	138130	18.565	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	291080	19.683	ug/l	99
20) Methylene Chloride	4.53	84	100011	19.452	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	89421	19.184	ug/l	99
22) Diisopropyl ether	5.92	45	331284	20.215	ug/l	94
23) Vinyl Acetate	5.87	43	1376781	105.481	ug/l	100
24) 1,1-Dichloroethane	5.82	63	183851	19.623	ug/l	98
25) 2-Butanone	6.81	43	373122	95.413	ug/l	99
26) 2,2-Dichloropropane	6.80	77	151529	18.633	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	102103	19.454	ug/l	99
28) Bromochloromethane	7.17	49	51122	17.679	ug/l	99
29) Tetrahydrofuran	7.19	42	245264	99.378	ug/l	99
30) Chloroform	7.35	83	175476	19.586	ug/l	99
31) Cyclohexane	7.63	56	168642	18.871	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	150265	19.824	ug/l	99
36) 1,1-Dichloropropene	7.77	75	130071	18.712	ug/l	100
37) Ethyl Acetate	6.90	43	149018	19.295	ug/l	99
38) Carbon Tetrachloride	7.75	117	131482	19.409	ug/l	100

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Quant Time: Nov 02 05:39:07 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)
39) Methylcyclohexane	9.07	83	154200	19.193	ug/l	99
40) Benzene	8.02	78	408483	19.802	ug/l	99
41) Methacrylonitrile	7.16	41	65317m	19.558	ug/l	
42) 1,2-Dichloroethane	8.10	62	140290	19.582	ug/l	98
43) Isopropyl Acetate	8.15	43	230138	19.055	ug/l	99
44) Trichloroethene	8.82	130	97562	19.222	ug/l	97
45) 1,2-Dichloropropane	9.10	63	109704	19.664	ug/l	99
46) Dibromomethane	9.19	93	67578	19.599	ug/l	98
47) Bromodichloromethane	9.39	83	135933	19.466	ug/l	100
48) Methyl methacrylate	9.19	41	105006	19.068	ug/l	98
49) 1,4-Dioxane	9.19	88	31727	353.182	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	741773	105.723	ug/l	97
52) Toluene	10.15	92	244805	20.253	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	154206	19.098	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	167609	19.680	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	96000	19.497	ug/l	99
56) Ethyl methacrylate	10.42	69	143152	18.353	ug/l	97
57) 1,3-Dichloropropane	10.70	76	167888	19.606	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	302222	100.427	ug/l	99
59) 2-Hexanone	10.75	43	536367	100.628	ug/l	98
60) Dibromochloromethane	10.90	129	101055	19.044	ug/l	100
61) 1,2-Dibromoethane	11.00	107	98849	19.817	ug/l	100
64) Tetrachloroethene	10.63	164	86057	19.556	ug/l	96
65) Chlorobenzene	11.43	112	249964	19.333	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	94027	19.767	ug/l	100
67) Ethyl Benzene	11.51	91	455877	20.368	ug/l	98
68) m/p-Xylenes	11.62	106	335978	40.200	ug/l	100
69) o-Xylene	11.95	106	158082	19.808	ug/l	99
70) Styrene	11.96	104	253695	19.616	ug/l	99
71) Bromoform	12.13	173	71500	19.419	ug/l #	99
73) Isopropylbenzene	12.25	105	429726	20.684	ug/l	100
74) N-amyl acetate	12.07	43	180421	19.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	147362	19.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	136494m	20.424	ug/l	
77) Bromobenzene	12.53	156	104433	20.103	ug/l	98
78) n-propylbenzene	12.59	91	496751	20.644	ug/l	100
79) 2-Chlorotoluene	12.68	91	298324	19.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358996	20.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49005	18.798	ug/l	95
82) 4-Chlorotoluene	12.78	91	301709	19.786	ug/l	99
83) tert-Butylbenzene	13.00	119	304699	20.313	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	358492	20.894	ug/l	100
85) sec-Butylbenzene	13.17	105	404212	20.561	ug/l	100
86) p-Isopropyltoluene	13.29	119	360520	20.341	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	178347	19.322	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177531	19.445	ug/l	99
89) n-Butylbenzene	13.62	91	303607	19.659	ug/l	98
90) Hexachloroethane	13.88	117	70286	19.950	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	178322	19.416	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30066	18.808	ug/l	94

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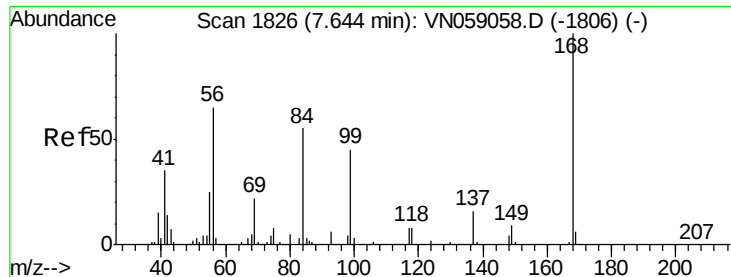
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	92299	18.633	ug/l	100
94) Hexachlorobutadiene	15.01	225	58107	19.545	ug/l	98
95) Naphthalene	15.13	128	251706	18.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	95965	19.035	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 168 Resp: 438027

Ion Ratio Lower Upper

168 100

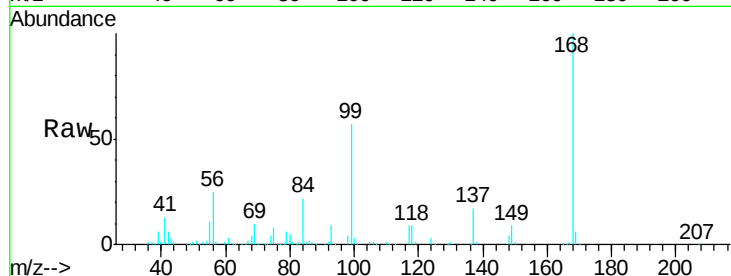
99 56.8 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

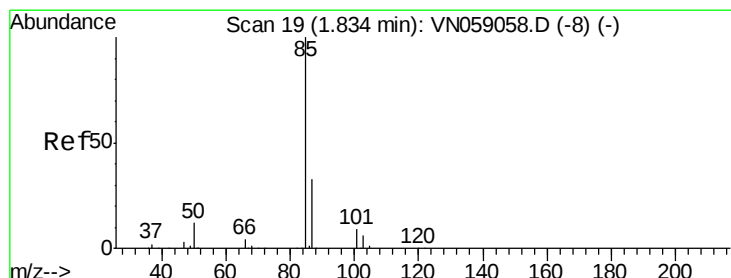
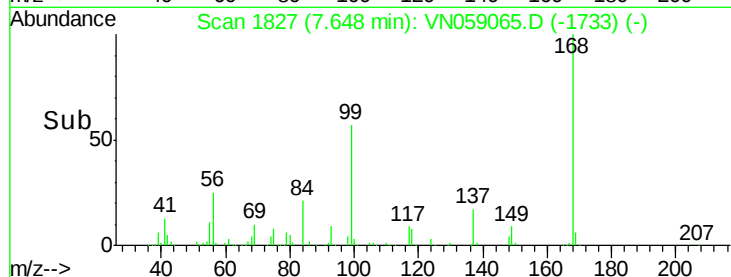
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.345 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059065.D

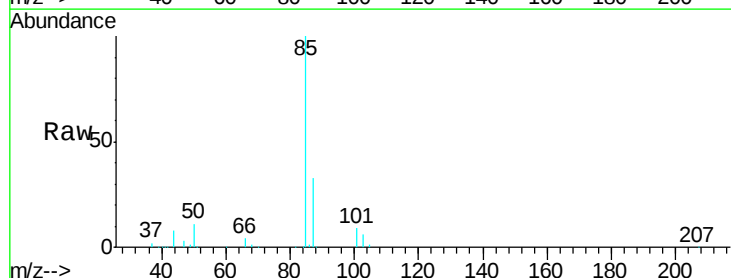
Acq: 1 Nov 2019 16:20

Tgt Ion: 85 Resp: 91618

Ion Ratio Lower Upper

85 100

87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

0

1.75

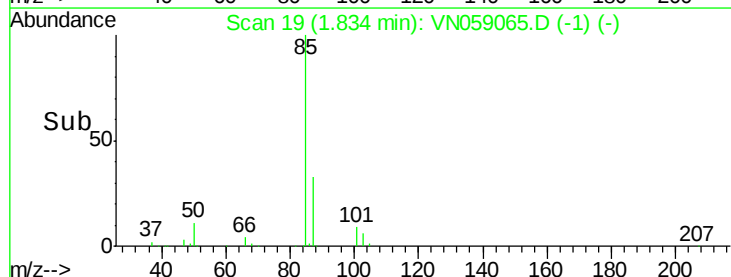
1.80

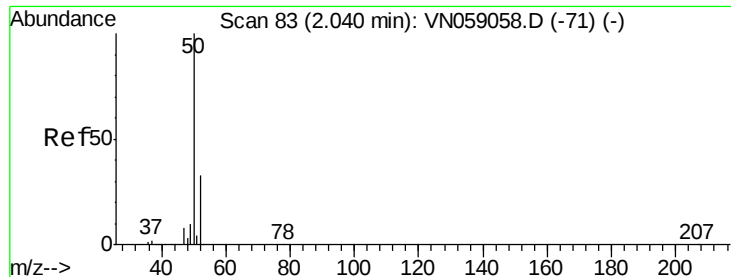
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.748 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 50 Resp: 126812

Ion Ratio Lower Upper

50 100

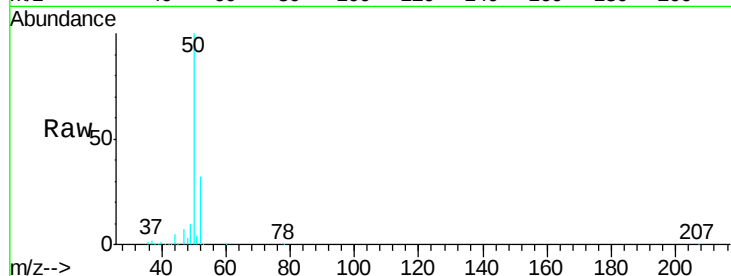
52 31.8 26.3 39.5

Manual Integrations

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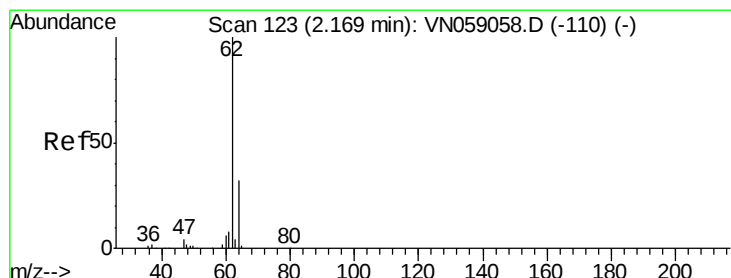
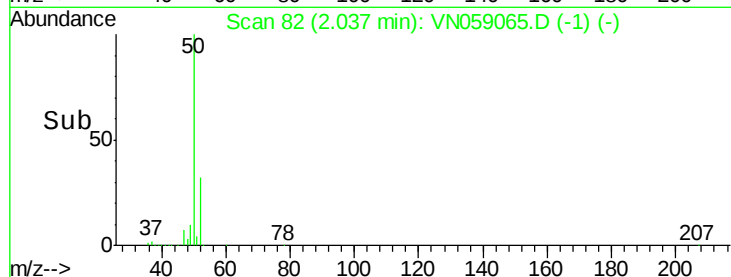
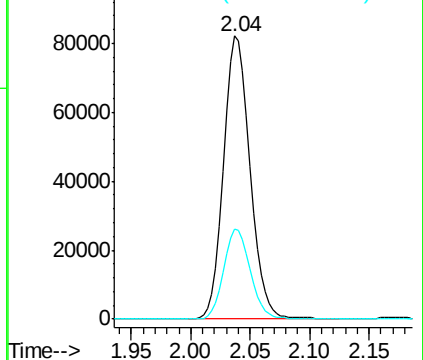
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.906 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059065.D

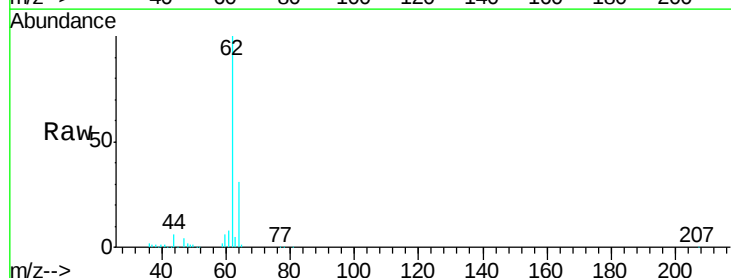
Acq: 1 Nov 2019 16:20

Tgt Ion: 62 Resp: 124079

Ion Ratio Lower Upper

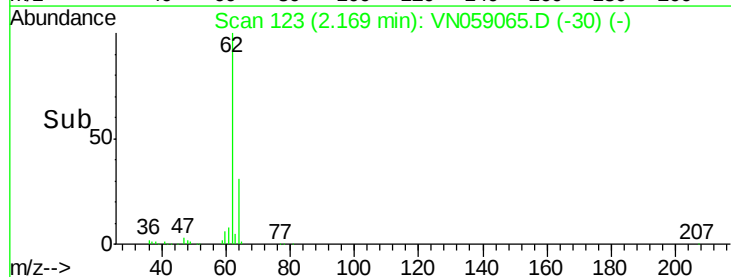
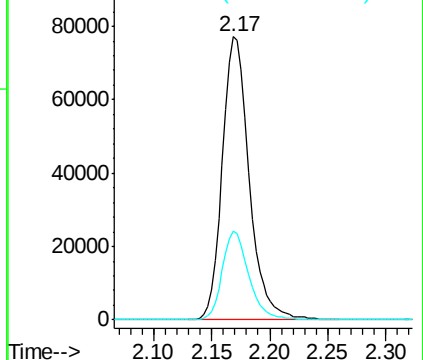
62 100

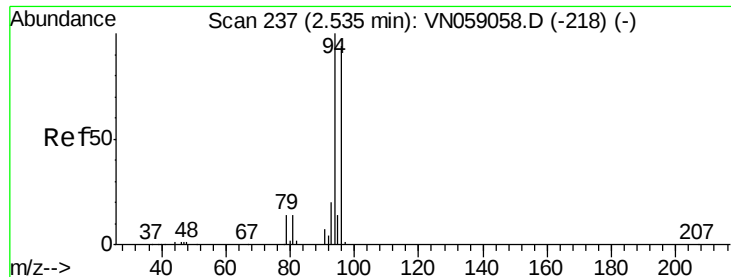
64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.501 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 94 Resp: 71864

Ion Ratio Lower Upper

94 100

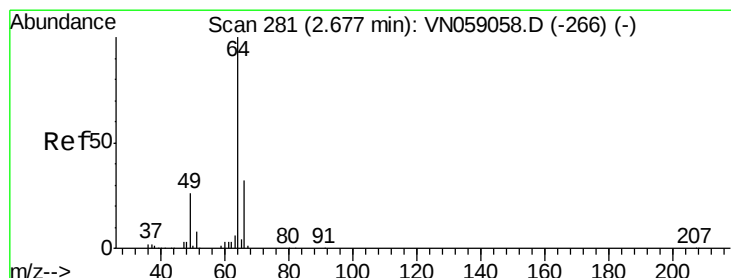
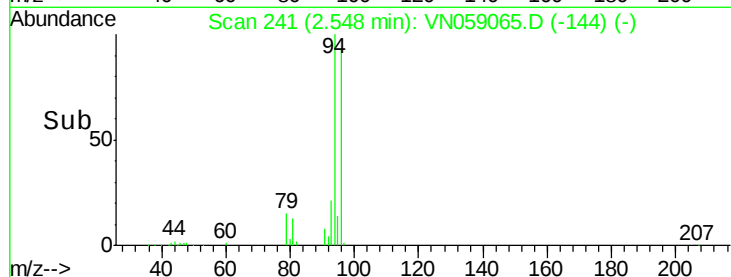
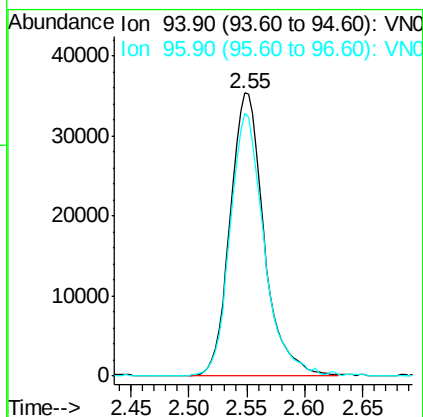
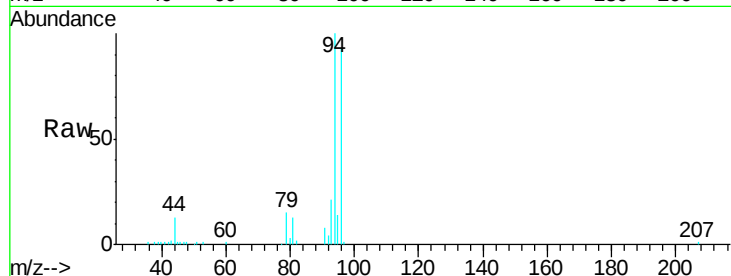
96 93.1 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 19.196 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059065.D

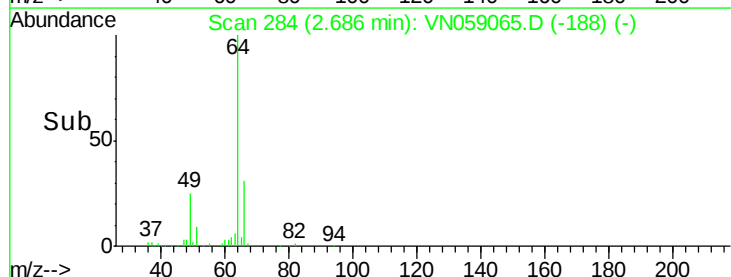
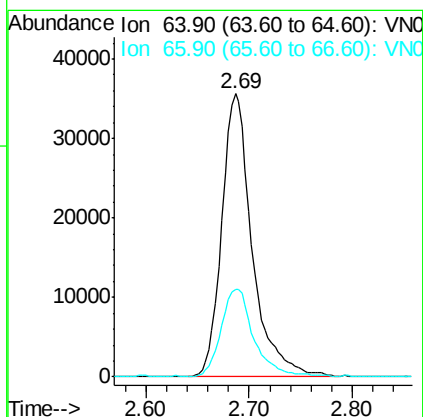
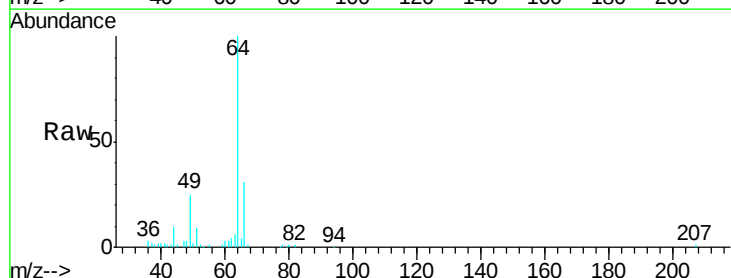
Acq: 1 Nov 2019 16:20

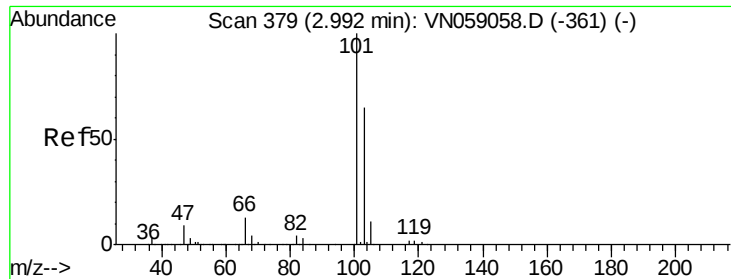
Tgt Ion: 64 Resp: 73280

Ion Ratio Lower Upper

64 100

66 30.8 25.6 38.4





#7

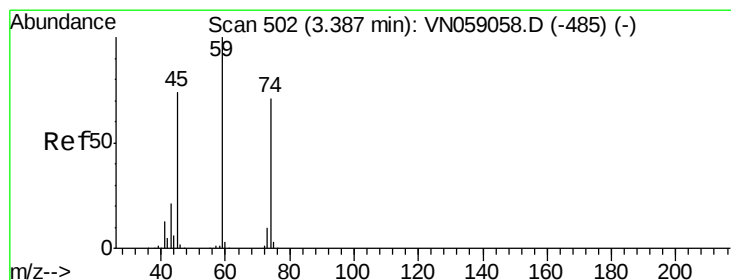
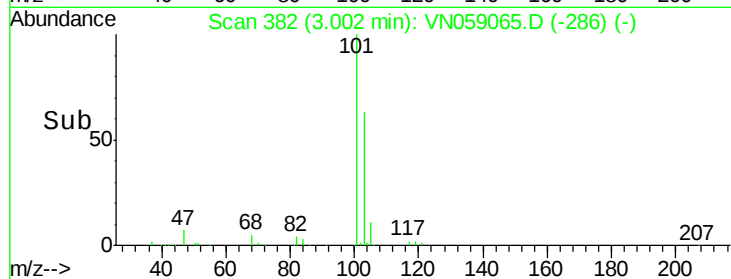
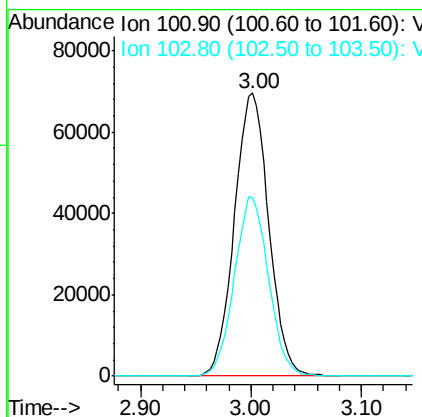
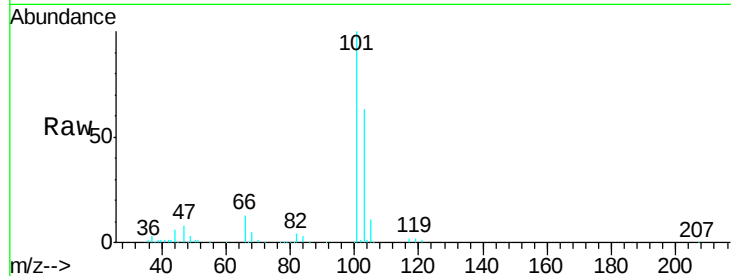
Trichlorofluoromethane
 Concen: 20.257 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

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 VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	150045		
103	63.2	51.7	77.5	

Manual Integrations
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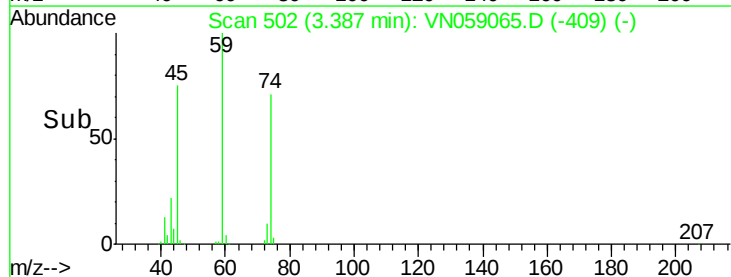
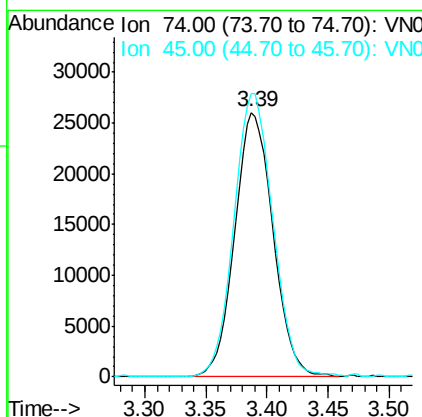
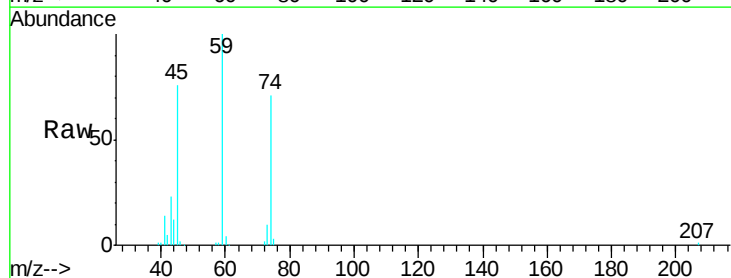
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 11/5/2019 1:59:33 PM

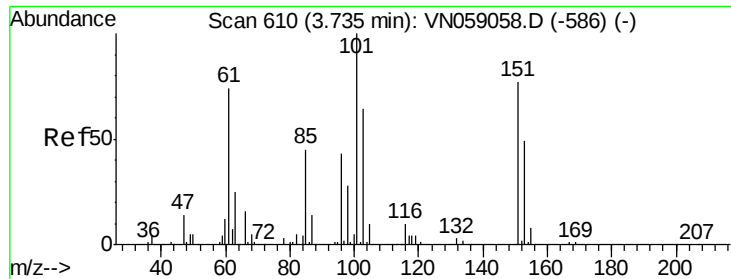


#8

Diethyl Ether
 Concen: 19.552 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56556		
45	109.3	52.8	158.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.440 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

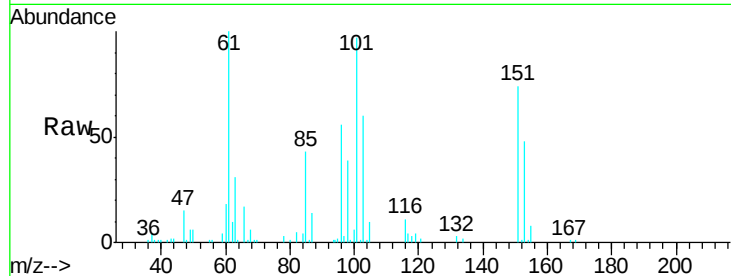
ClientSampleId :

VN1101WBS02

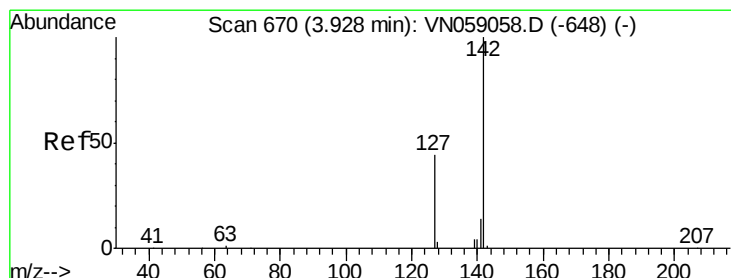
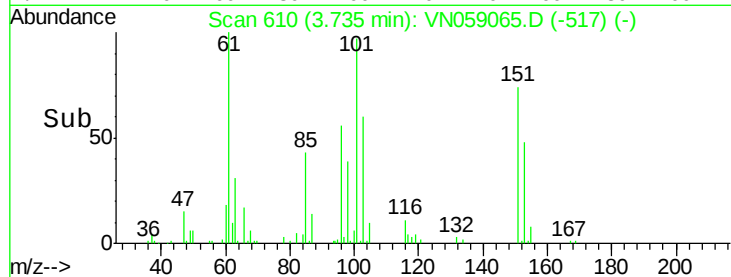
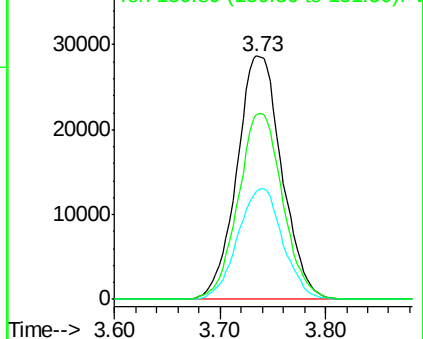
Tgt Ion:	101	Resp:	84870
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.0	52.6
151	75.7	61.3	91.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.194 ug/l

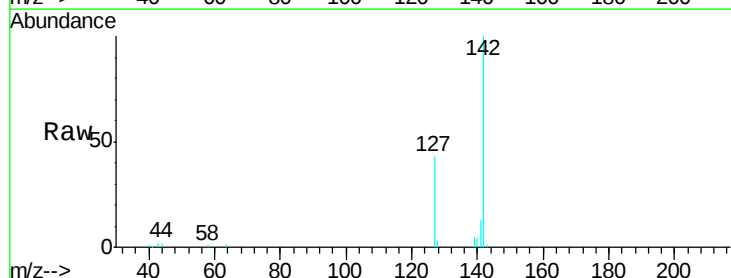
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

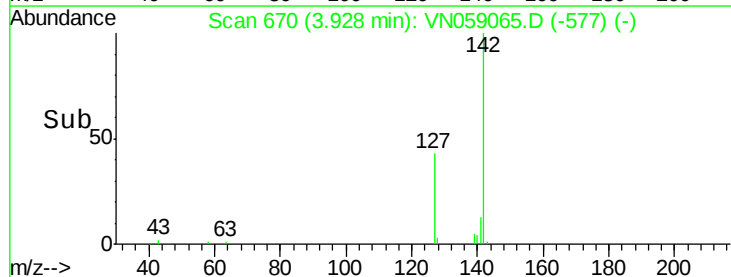
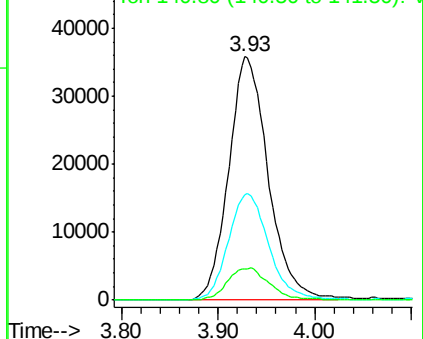
Lab File: VN059065.D

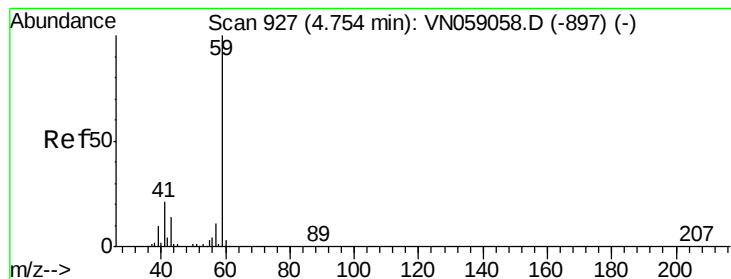
Acq: 1 Nov 2019 16:20

Tgt Ion:	142	Resp:	101853
Ion Ratio	Lower	Upper	
142	100		
127	44.9	34.2	51.2
141	13.8	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

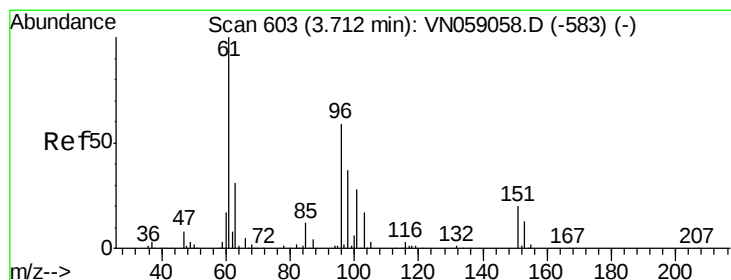
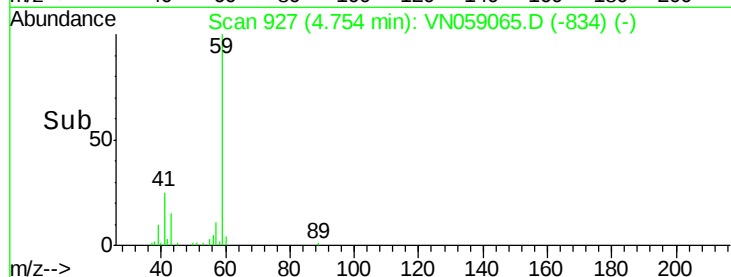
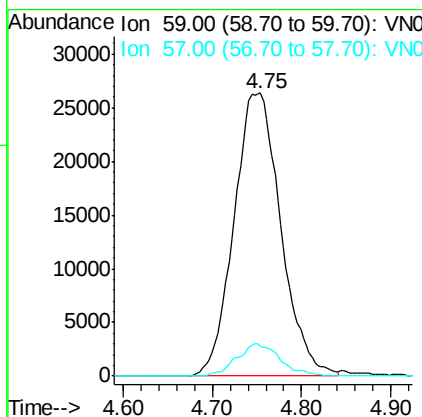
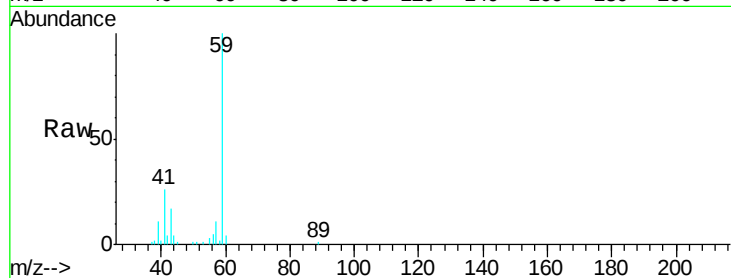
Tert butyl alcohol
 Concen: 89.349 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 59 Resp: 95930
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

Manual Integrations
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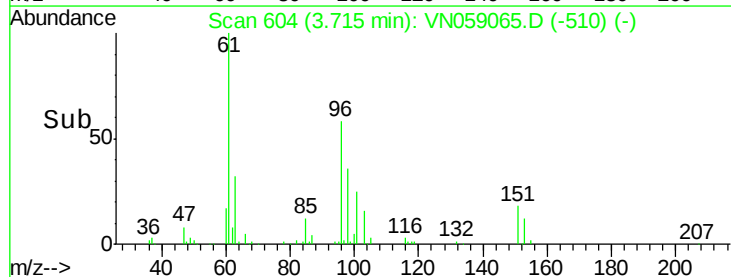
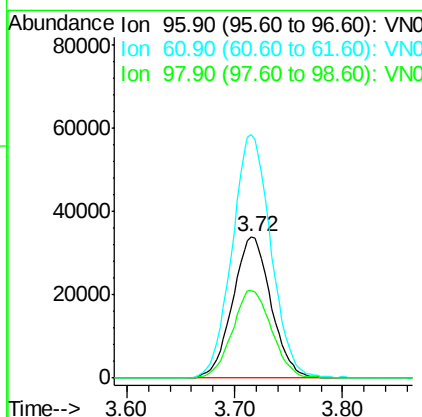
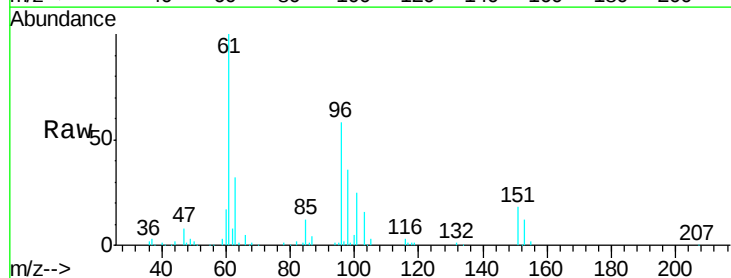
MMDadoda
 11/5/2019 1:59:33 PM

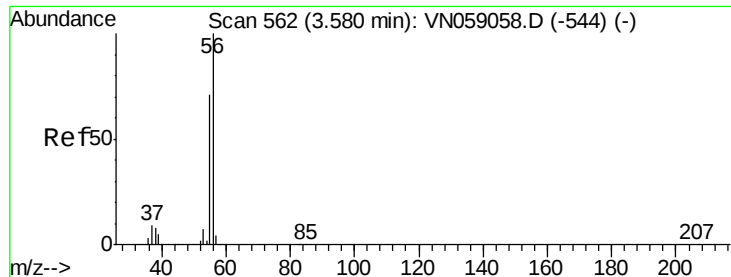


#12

1,1-Dichloroethene
 Concen: 19.416 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion: 96 Resp: 84300
 Ion Ratio Lower Upper
 96 100
 61 172.3 135.3 202.9
 98 61.9 49.4 74.2





#13

Acrolein

Concen: 100.076 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 56 Resp: 67799

Ion Ratio Lower Upper

56 100

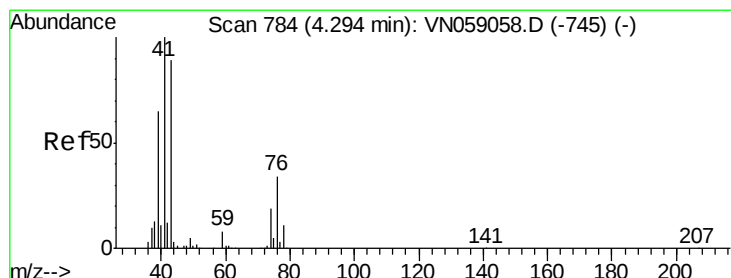
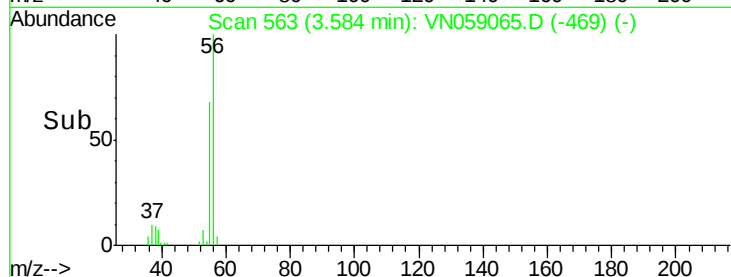
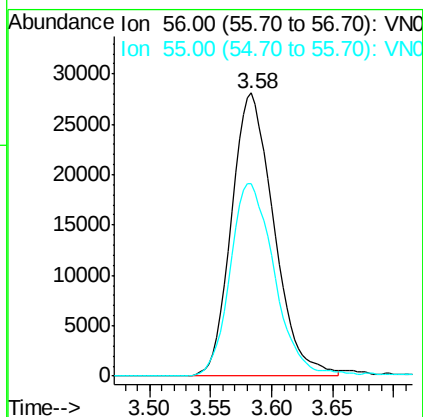
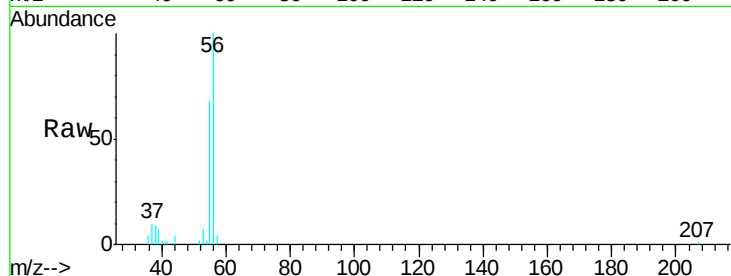
55 71.1 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.360 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

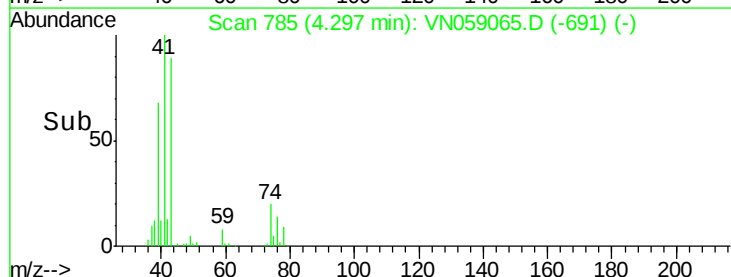
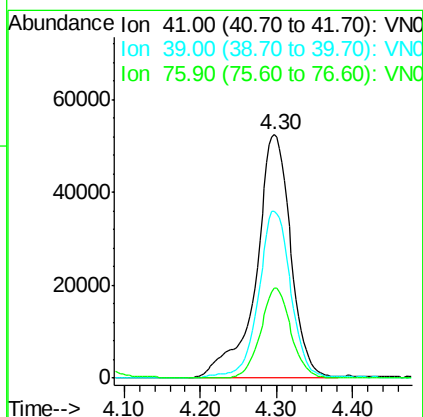
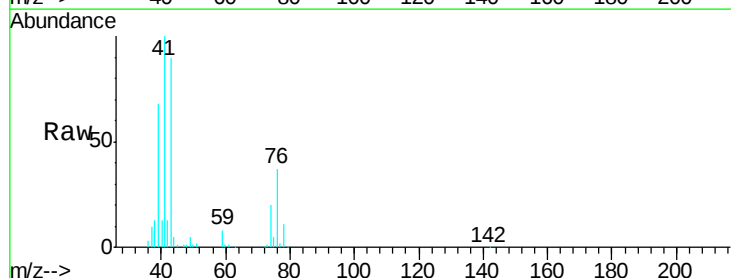
Tgt Ion: 41 Resp: 166566

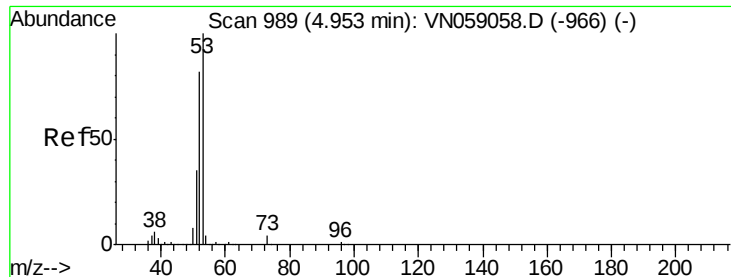
Ion Ratio Lower Upper

41 100

39 63.7 49.4 74.2

76 32.1 24.6 37.0





#15

Acrylonitrile

Concen: 99.903 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

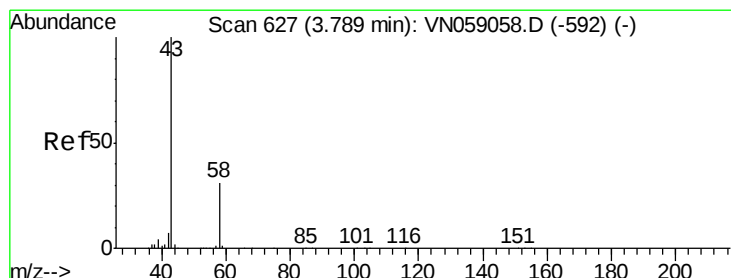
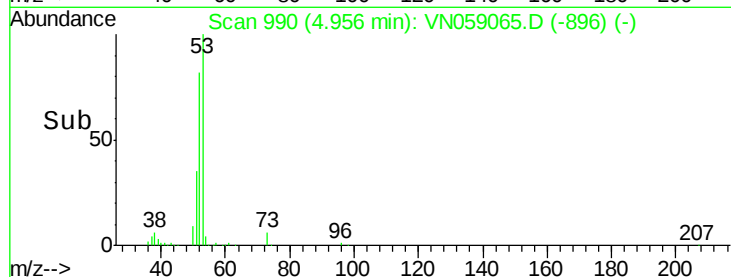
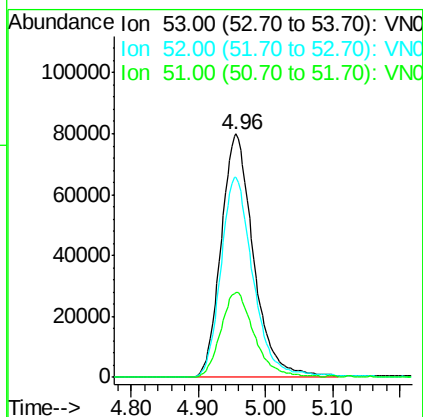
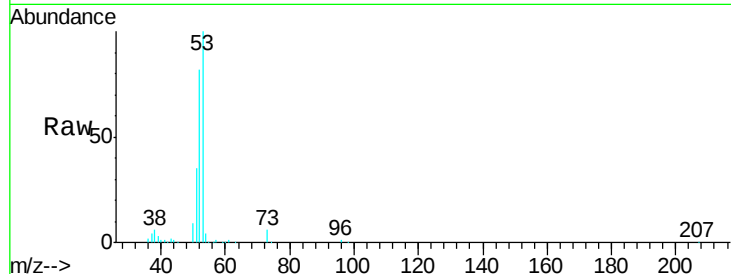
ClientSampleId :

VN1101WBS02

Tgt Ion:	53	Resp:	269068
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.0	99.0
51	36.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 91.380 ug/l

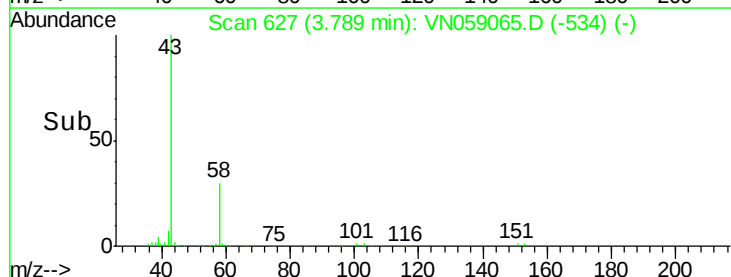
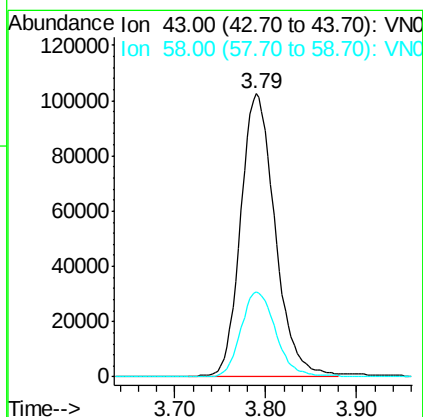
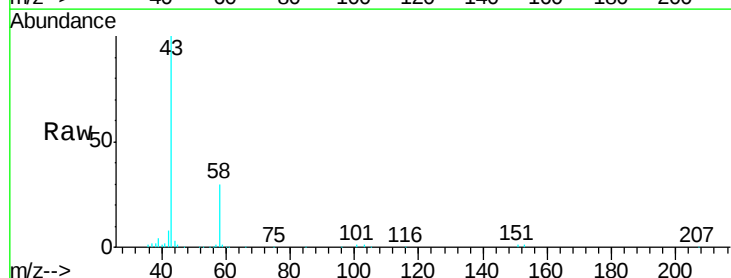
RT: 3.79 min Scan# 627

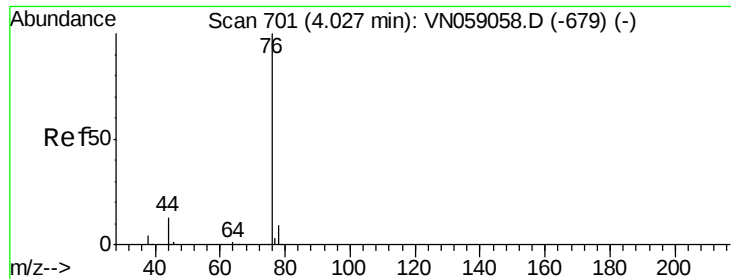
Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	43	Resp:	268374
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.0	37.6





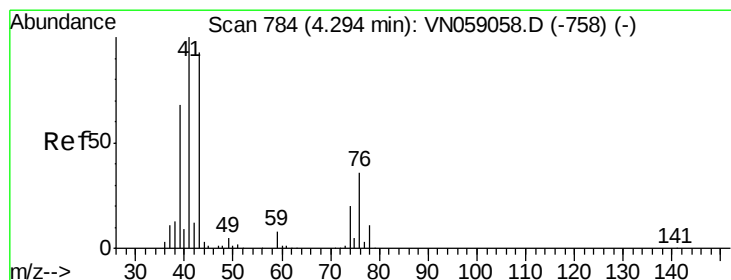
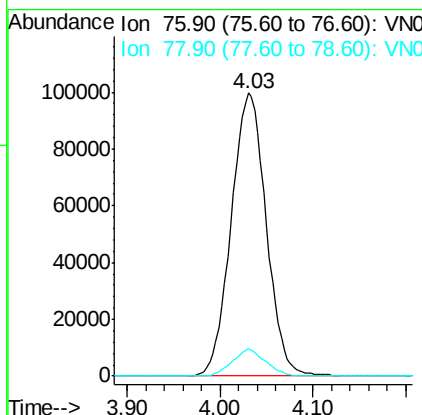
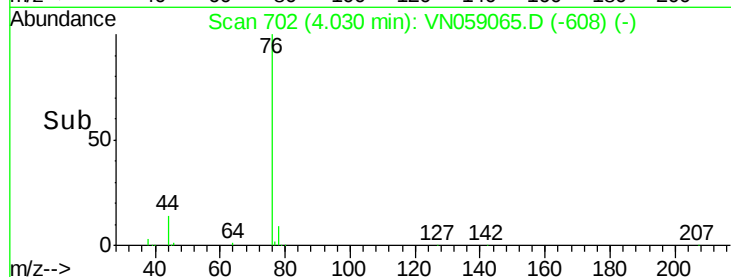
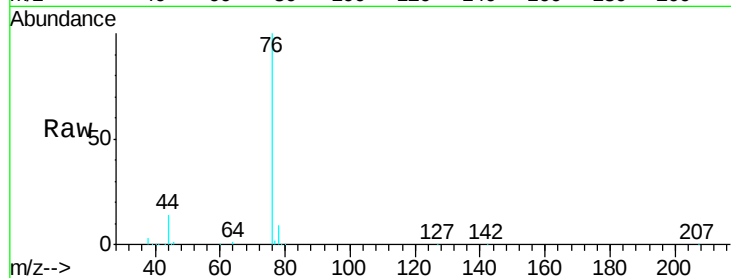
#17
Carbon Disulfide
Concen: 18.904 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 76 Resp: 260944
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

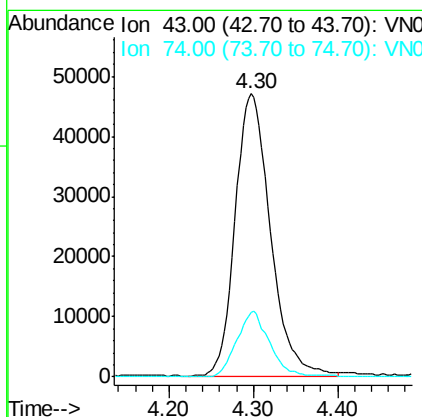
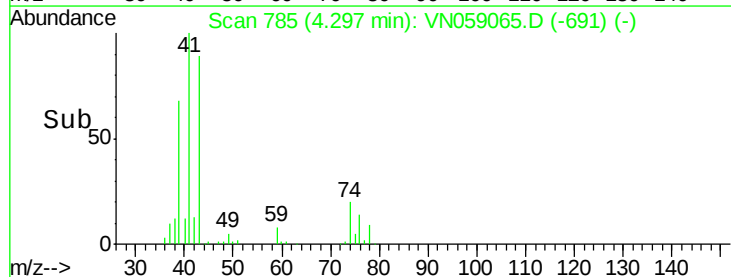
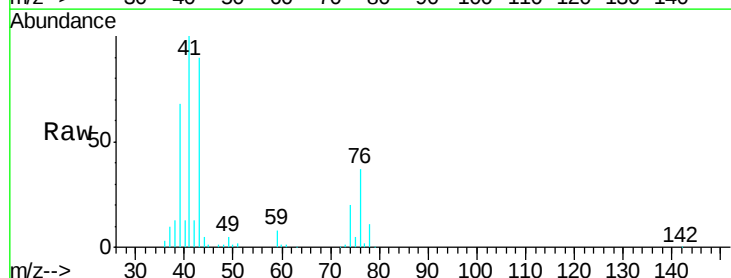
Manual Integrations
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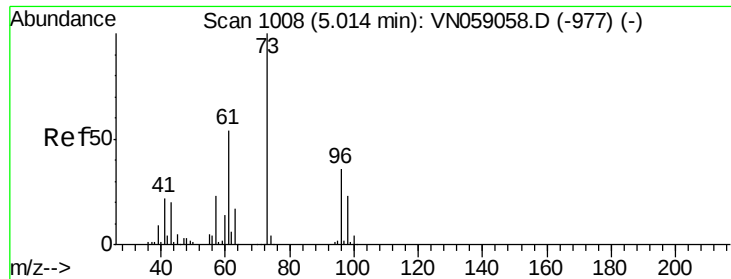
MMDadoda
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#18
Methyl Acetate
Concen: 18.565 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion: 43 Resp: 138130
Ion Ratio Lower Upper
43 100
74 21.5 17.5 26.3





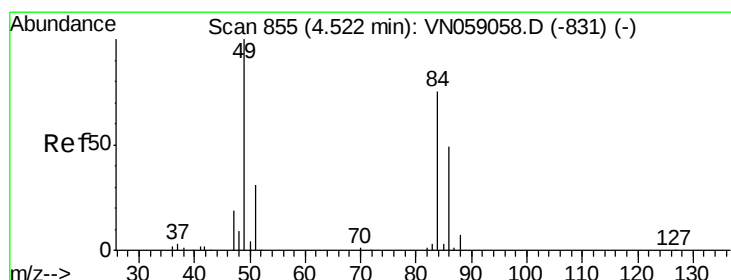
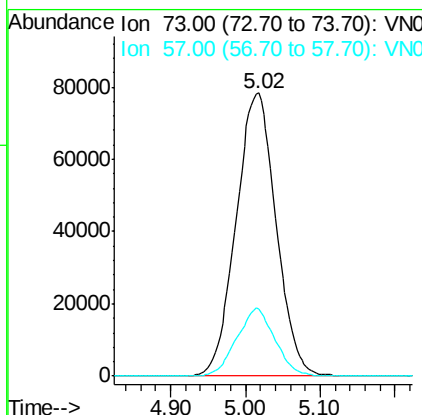
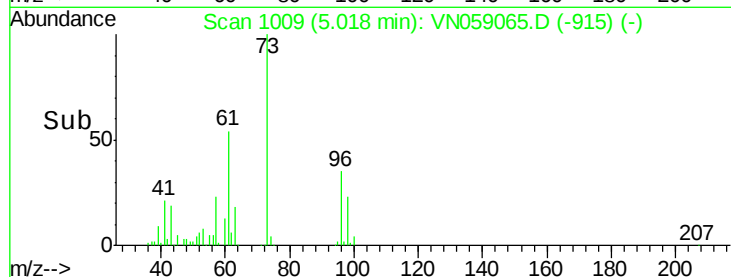
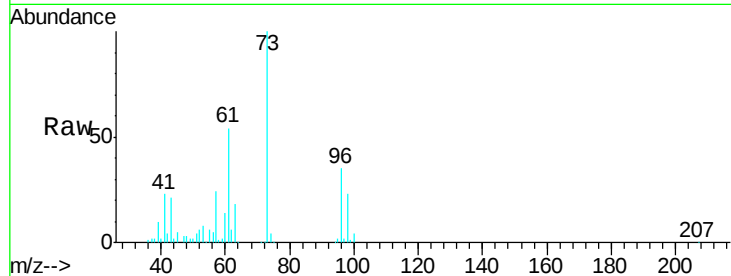
#19
Methyl tert-butyl Ether
Concen: 19.683 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 73 Resp: 291080
Ion Ratio Lower Upper
73 100
57 23.7 18.4 27.6

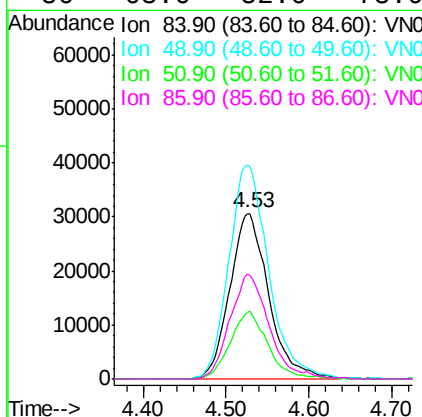
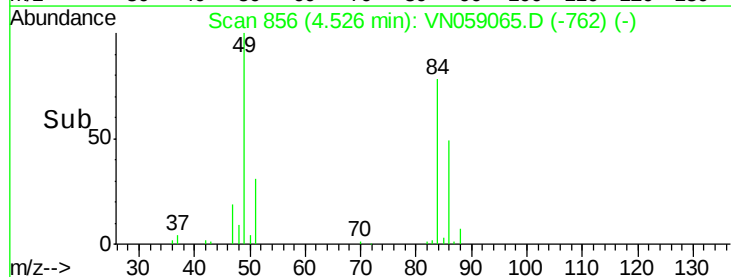
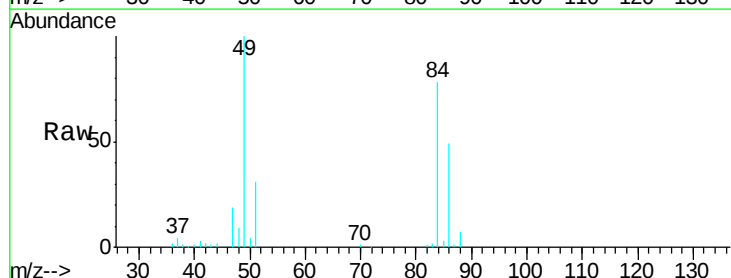
Manual Integrations
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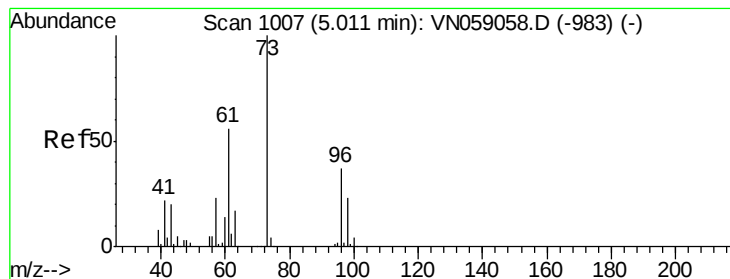
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#20
Methylene Chloride
Concen: 19.452 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion: 84 Resp: 100011
Ion Ratio Lower Upper
84 100
49 128.8 106.4 159.6
51 40.5 33.0 49.4
86 63.6 52.0 78.0





#21

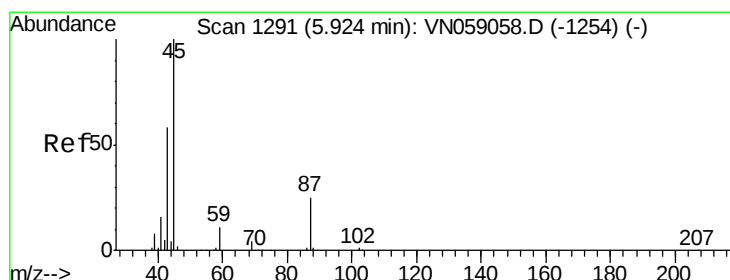
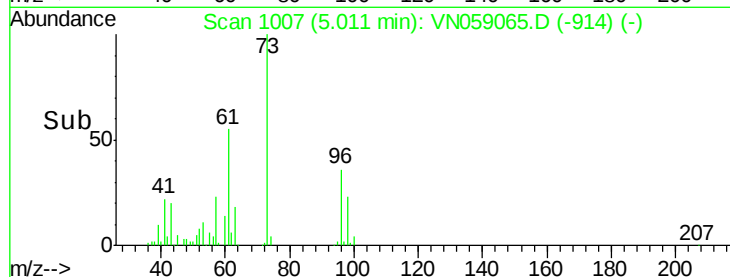
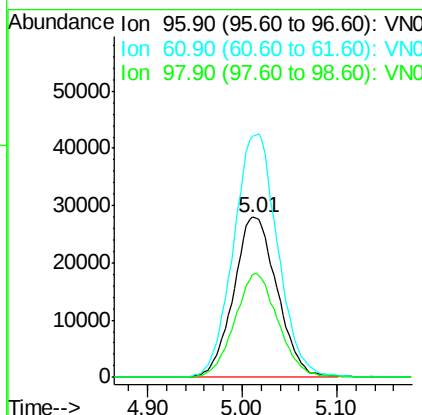
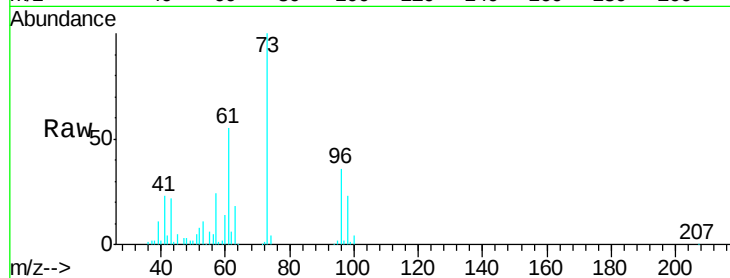
trans-1,2-Dichloroethene
Concen: 19.184 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	121.7	182.5
98	64.3	50.6	76.0

Manual Integrations
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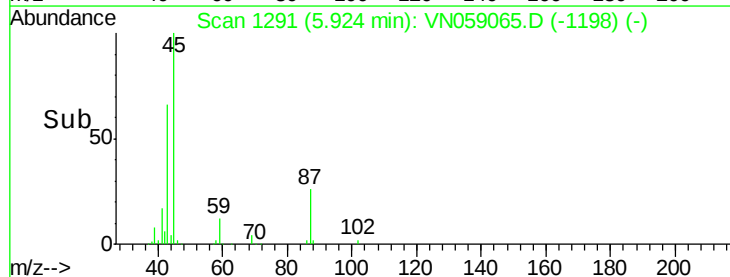
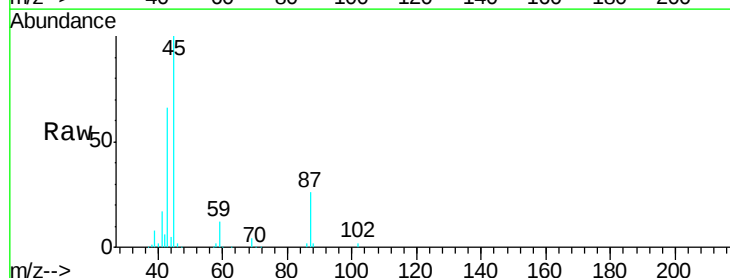
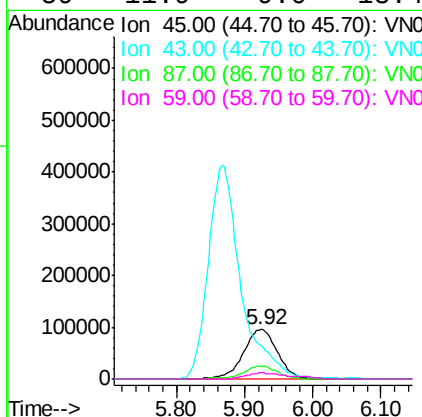
MMDadoda
11/5/2019 1:59:33 PM

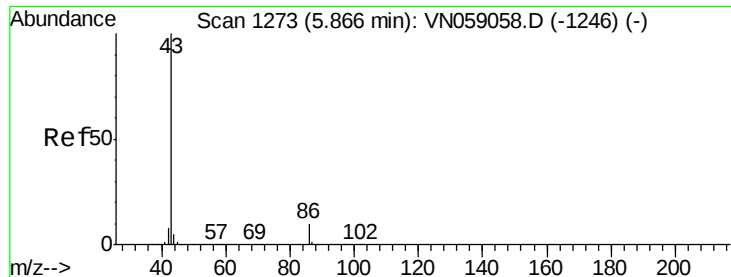


#22

Diisopropyl ether
Concen: 20.215 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	46.9	70.3
87	26.2	20.1	30.1
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 105.481 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 43 Resp: 1376781

Ion Ratio Lower Upper

43 100

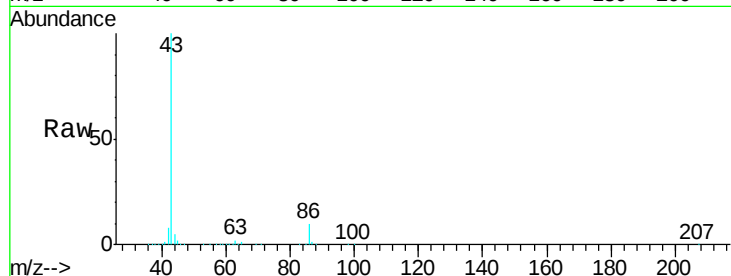
86 9.6 7.6 11.4

Manual Integrations

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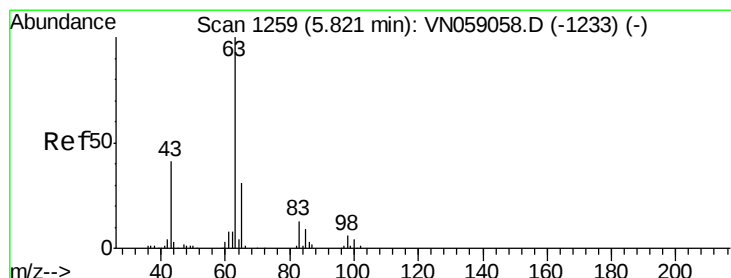
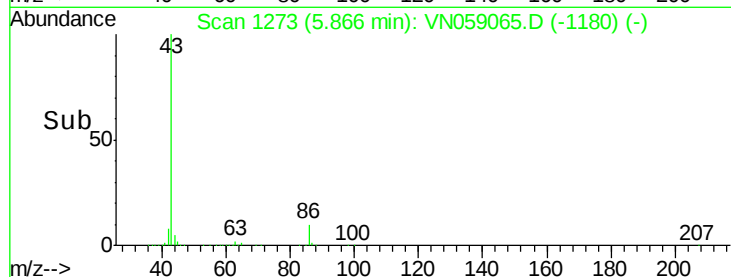
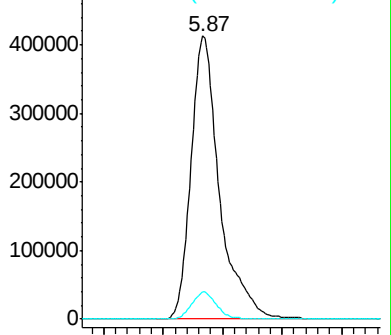
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.623 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

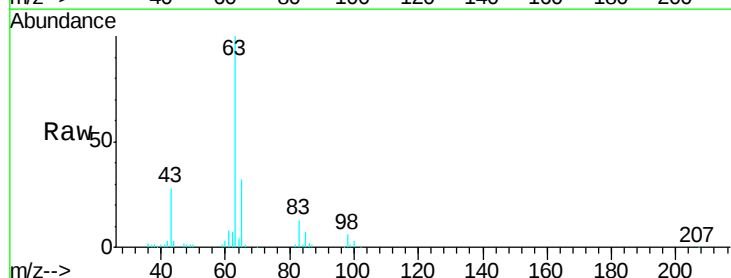
Tgt Ion: 63 Resp: 183851

Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

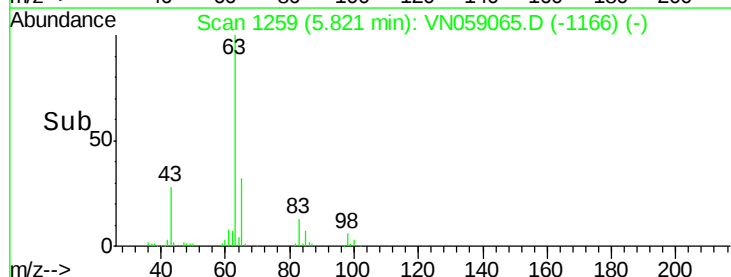
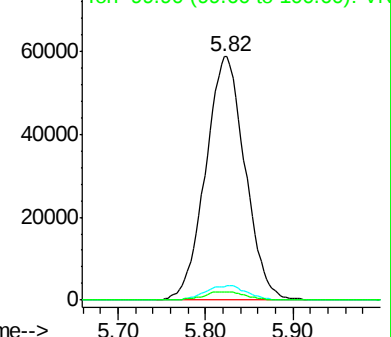
100 3.4 2.0 6.0

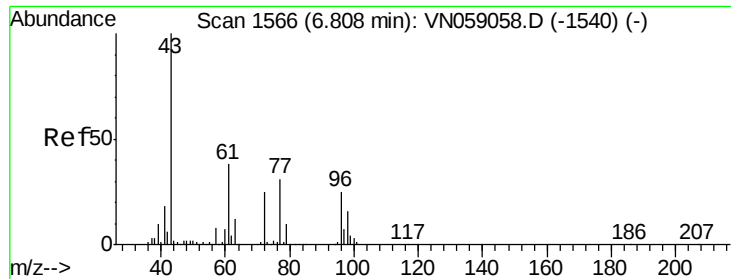


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.413 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 43 Resp: 373122

Ion Ratio Lower Upper

43 100

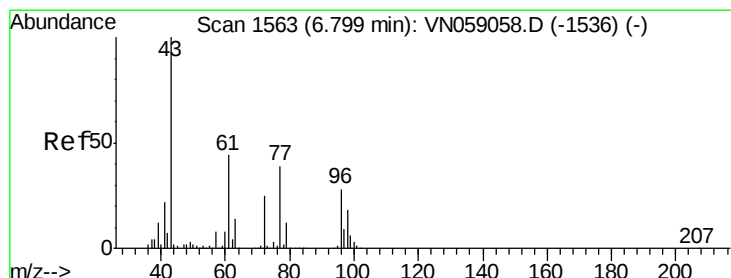
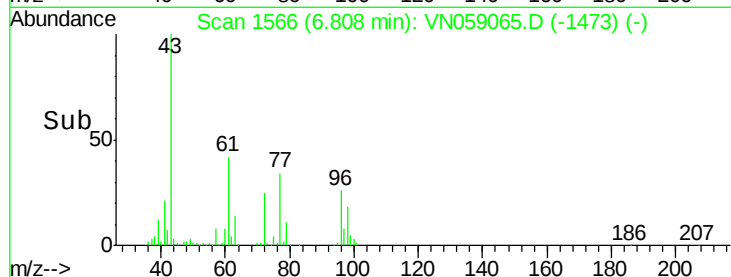
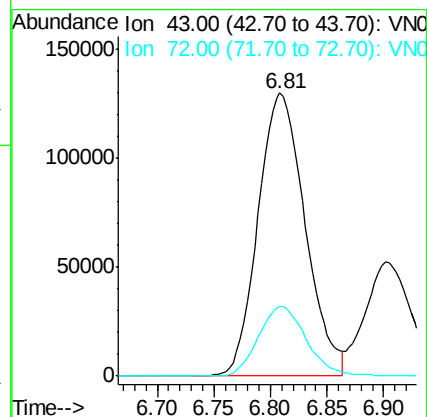
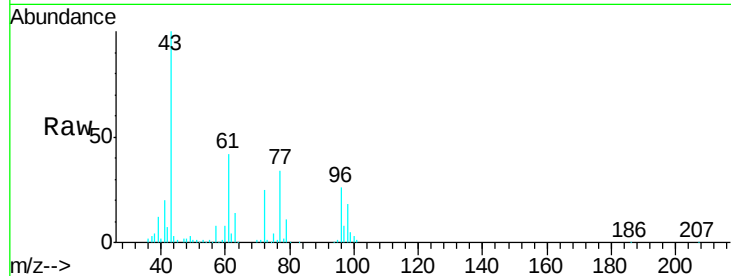
72 24.6 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 18.633 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059065.D

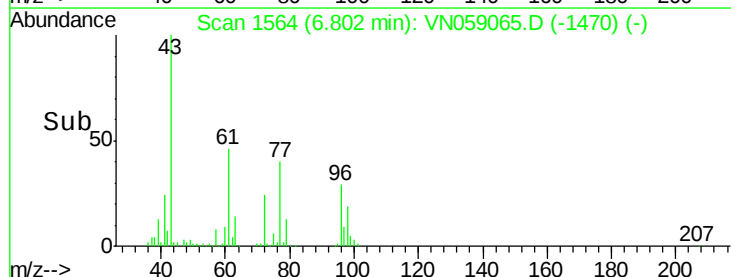
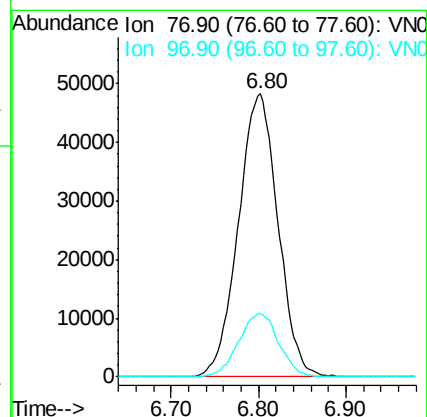
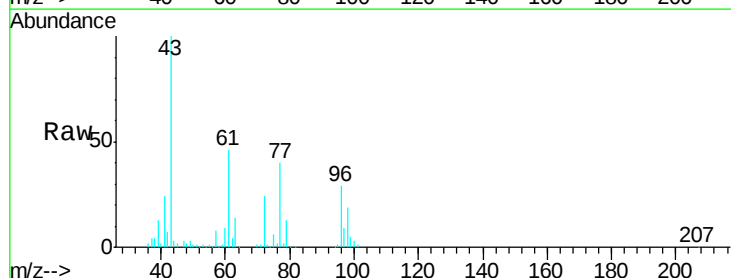
Acq: 1 Nov 2019 16:20

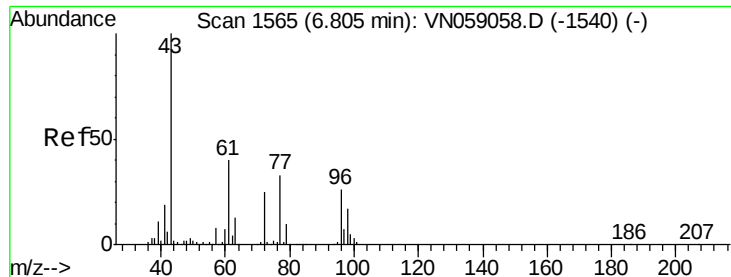
Tgt Ion: 77 Resp: 151529

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.454 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

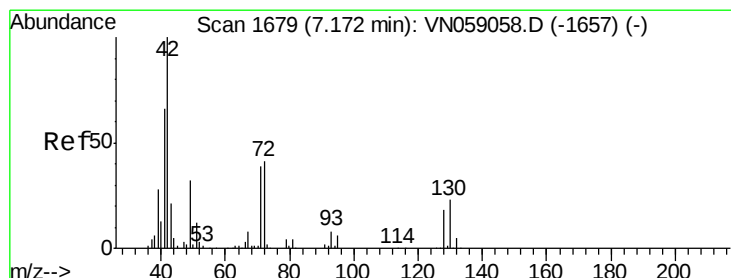
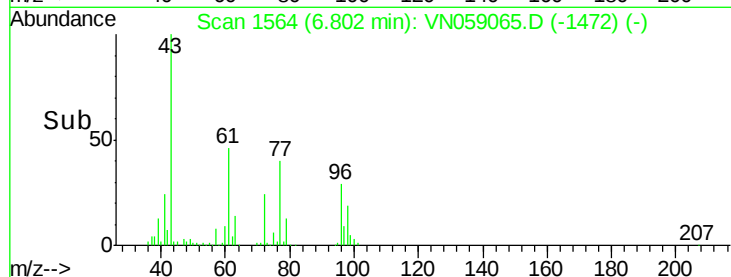
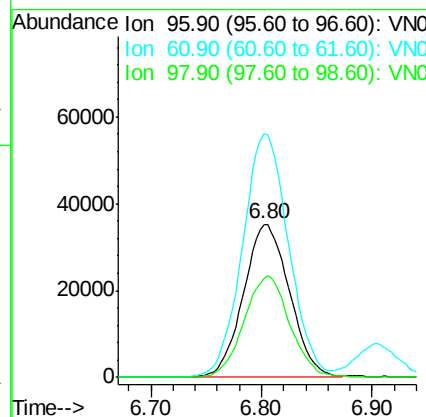
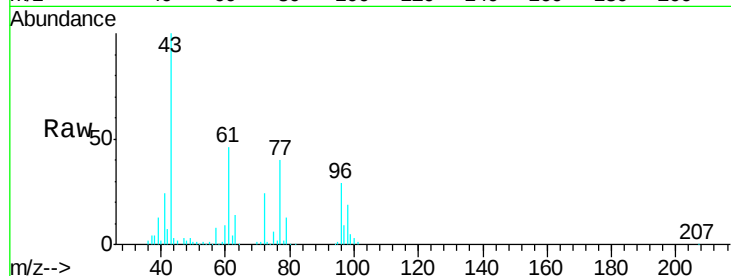
ClientSampleId :

VN1101WBS02

Tgt Ion:	96	Resp:	102103
Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	316.4
98	65.8	0.0	128.2

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#28

Bromochloromethane

Concen: 17.679 ug/l

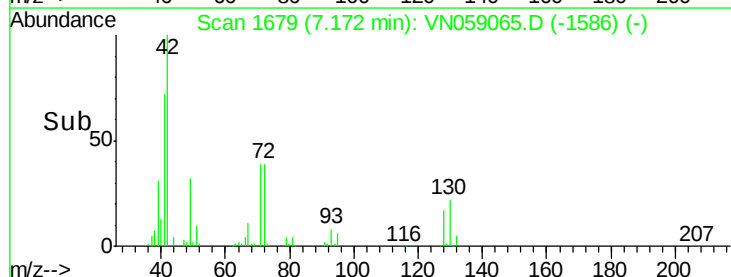
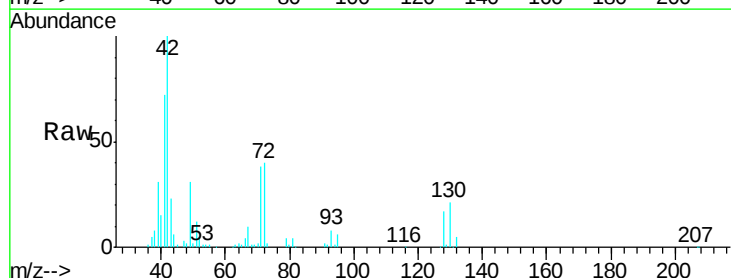
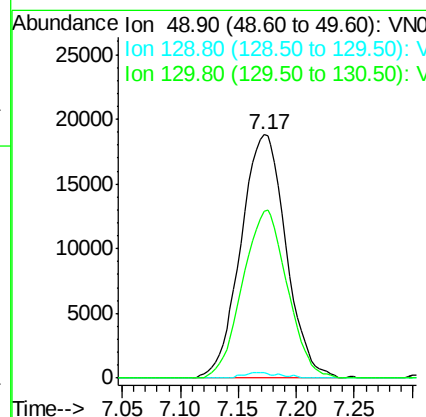
RT: 7.17 min Scan# 1679

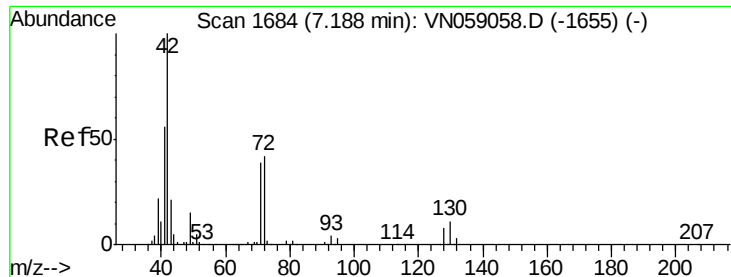
Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	49	Resp:	51122
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	68.1	55.0	82.6





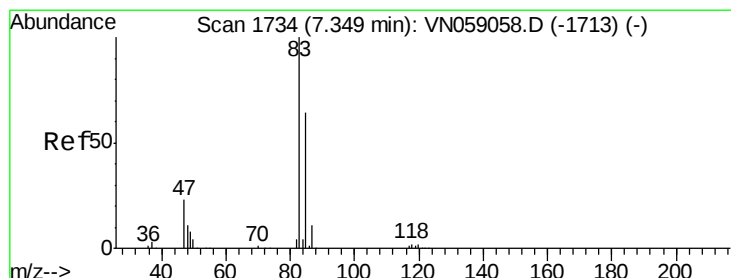
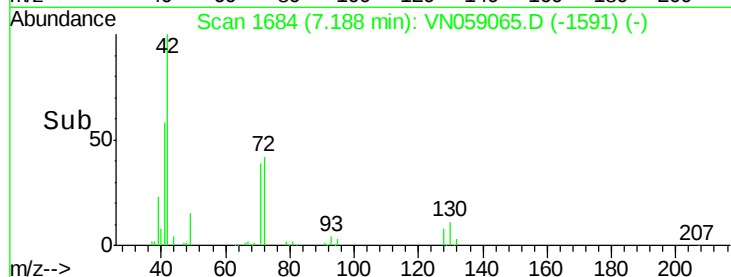
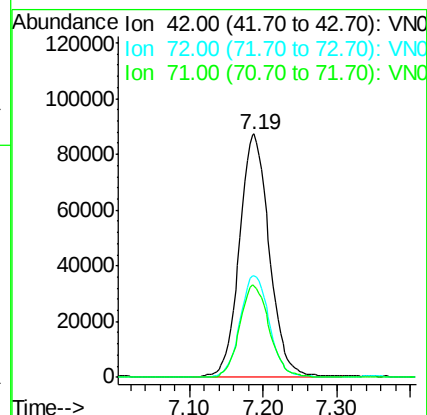
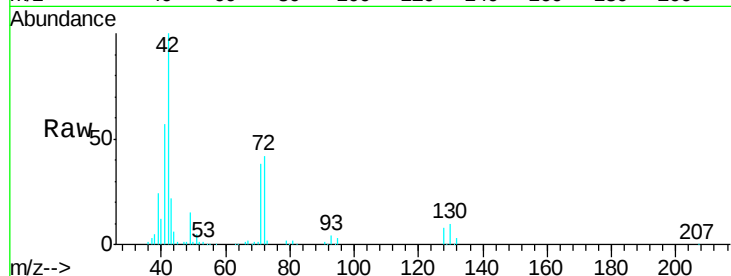
#29
Tetrahydrofuran
Concen: 99.378 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.7	49.1
71	37.9	31.2	46.8

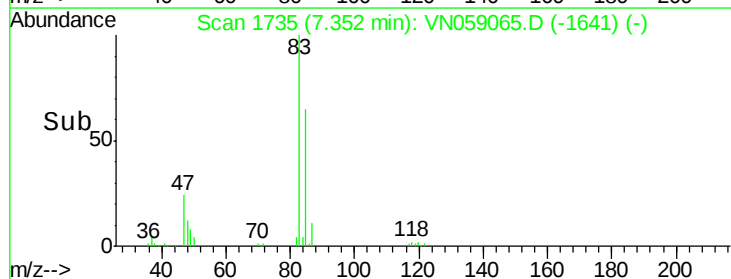
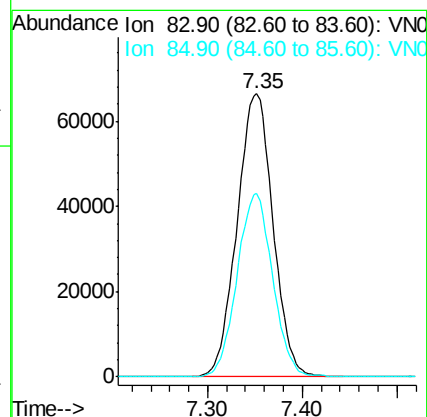
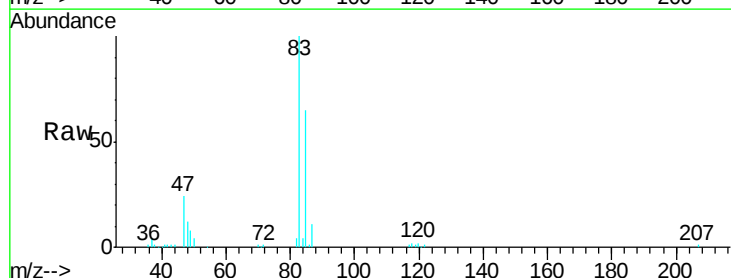
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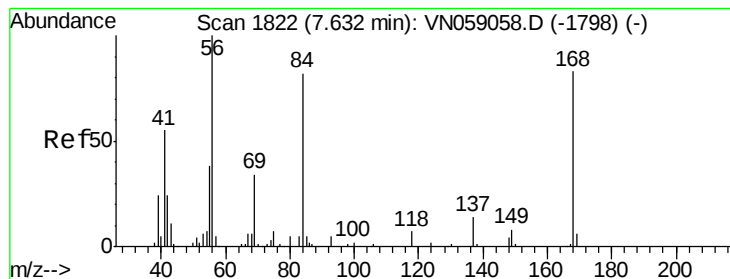
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#30
Chloroform
Concen: 19.586 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3





#31

Cyclohexane

Concen: 18.871 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 56 Resp: 168642
Ion Ratio Lower Upper

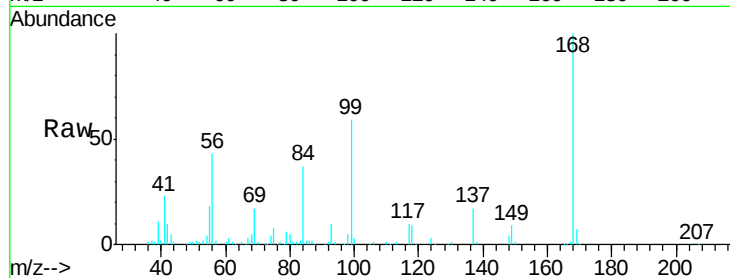
56 100

69 38.5 27.2 40.8

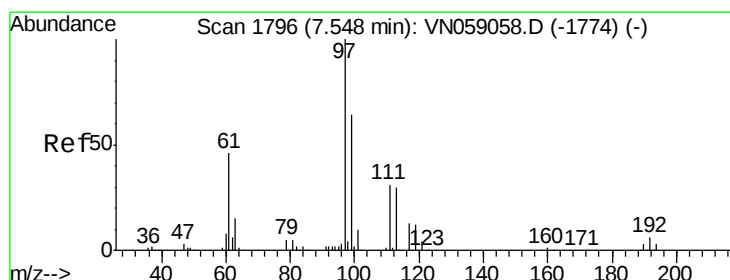
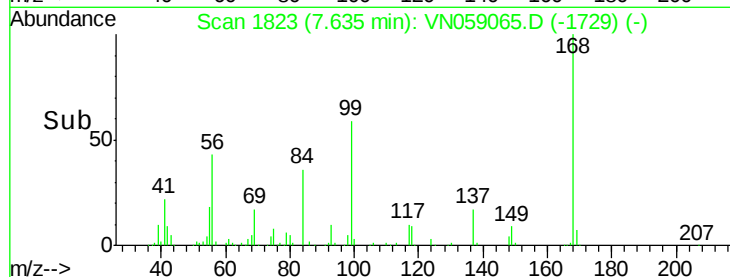
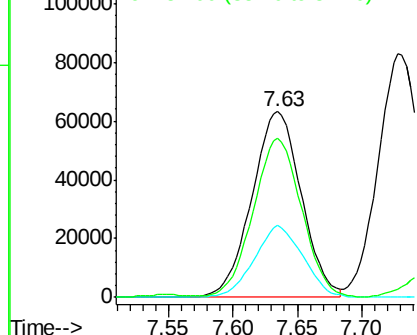
84 85.2 65.2 97.8

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.824 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059065.D

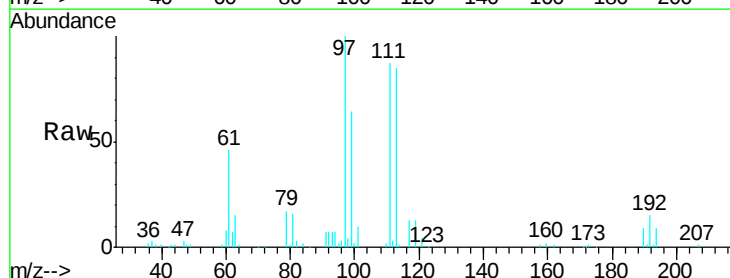
Acq: 1 Nov 2019 16:20

Tgt Ion: 97 Resp: 150265
Ion Ratio Lower Upper

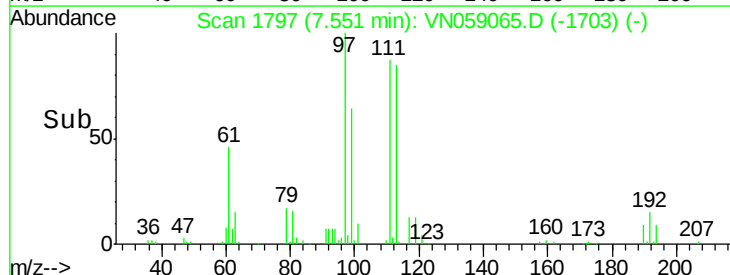
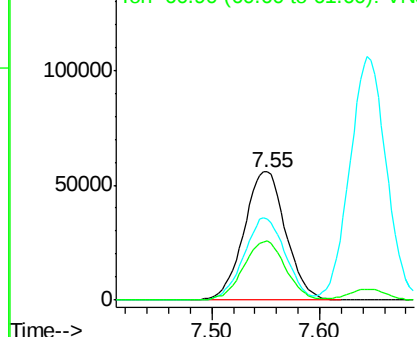
97 100

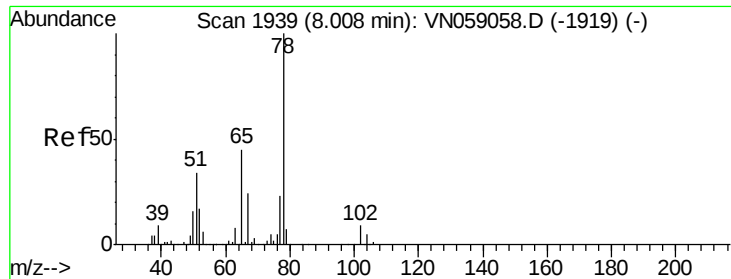
99 63.3 50.7 76.1

61 46.1 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 49.939 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

VN1101WBS02

Tgt Ion: 65 Resp: 289701

Ion Ratio Lower Upper

65 100

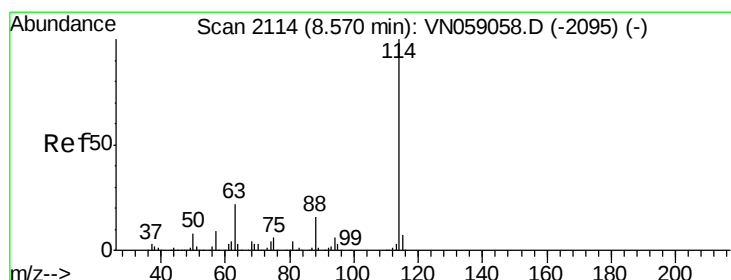
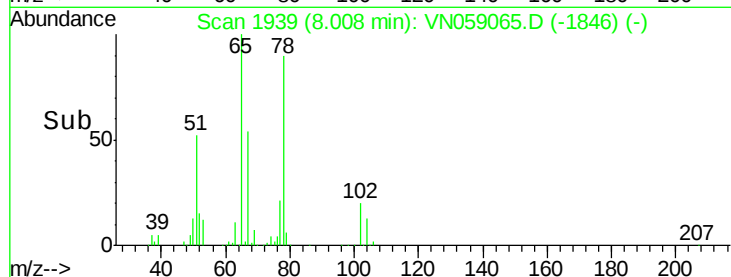
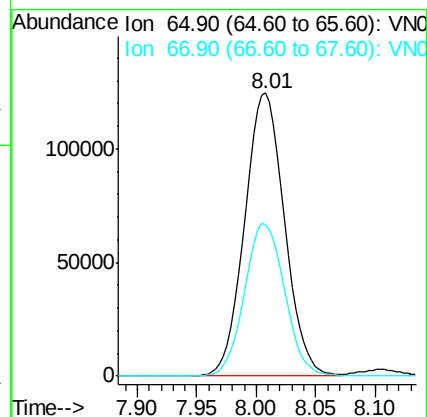
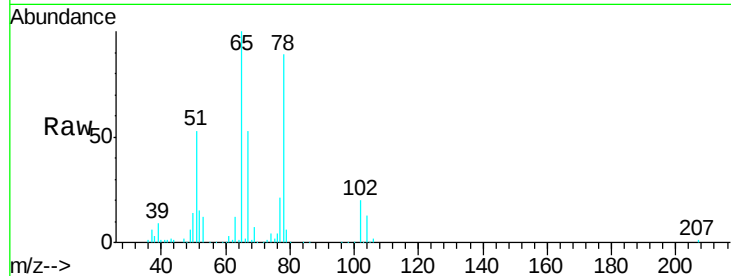
67 54.3 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

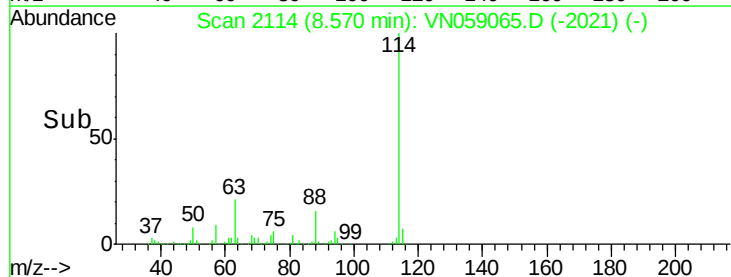
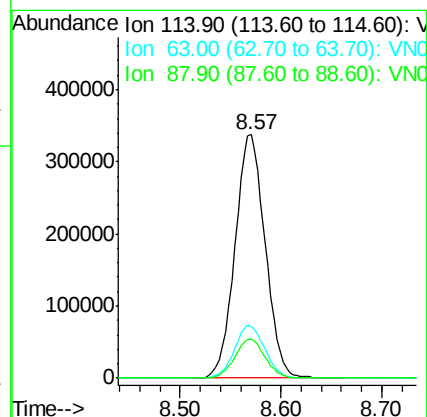
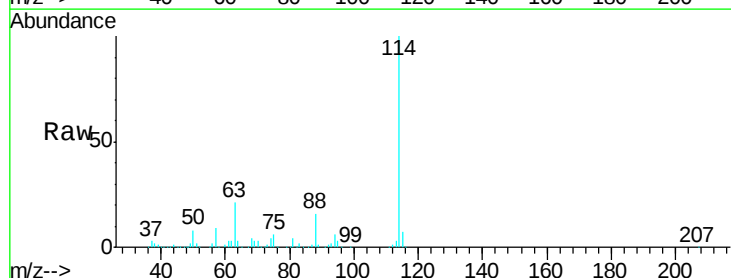
Tgt Ion: 114 Resp: 699383

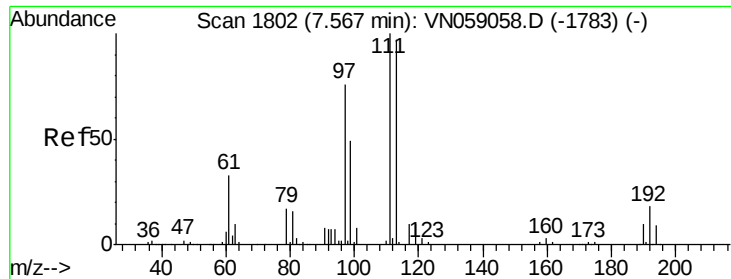
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.1 0.0 33.0





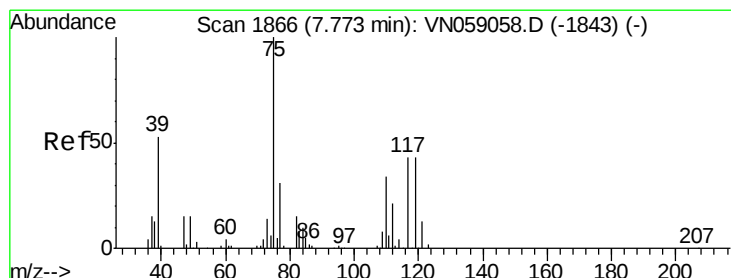
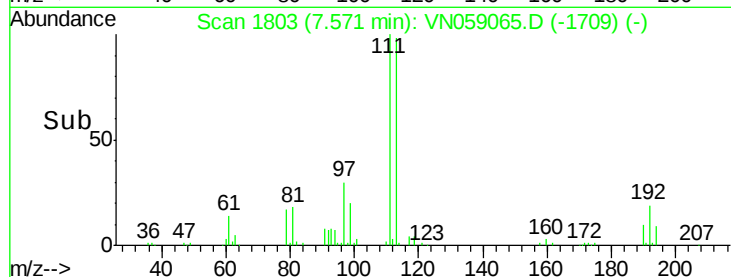
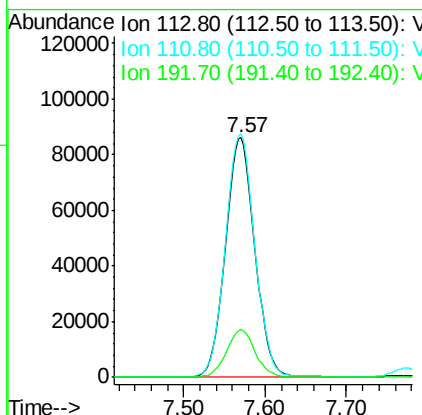
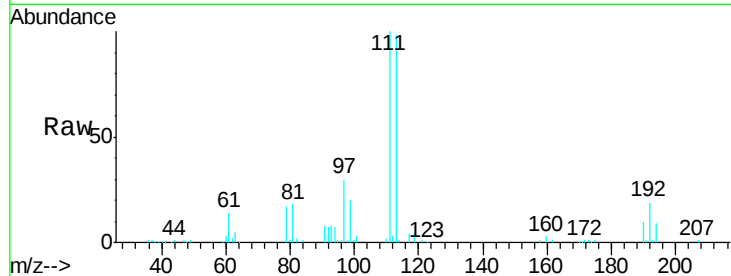
#35
 Dibromofluoromethane
 Concen: 48.358 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	218184		
111	102.1	82.9	124.3	
192	19.4	15.9	23.9	

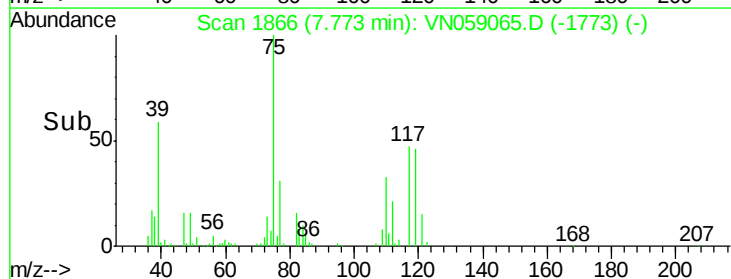
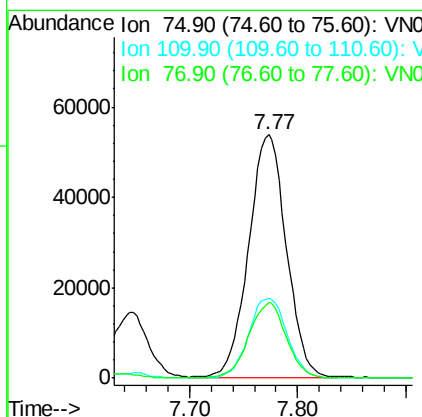
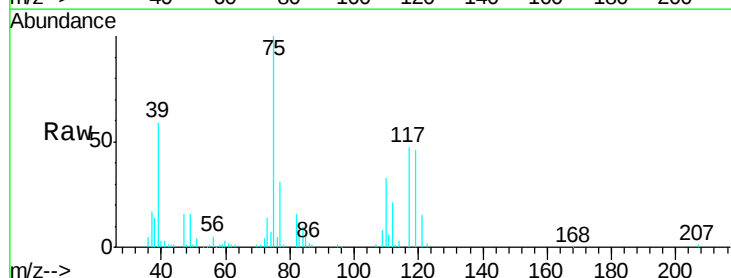
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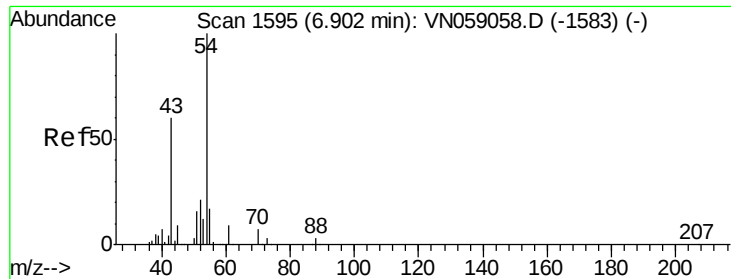
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#36
 1,1-Dichloropropene
 Concen: 18.712 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130071		
110	33.6	16.9	50.6	
77	31.2	25.0	37.4	





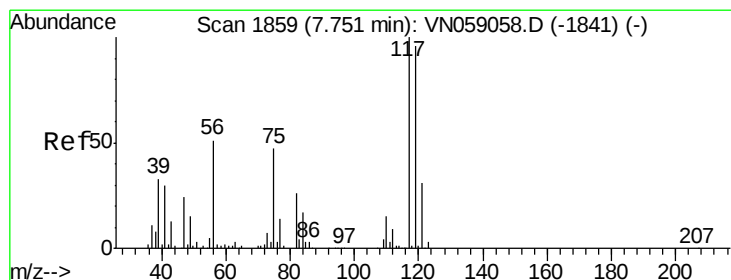
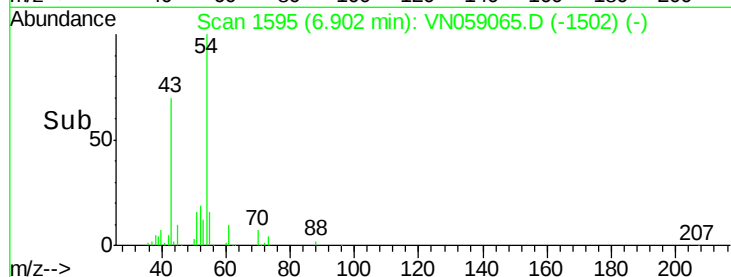
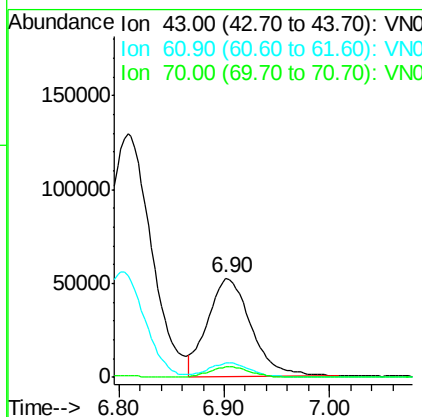
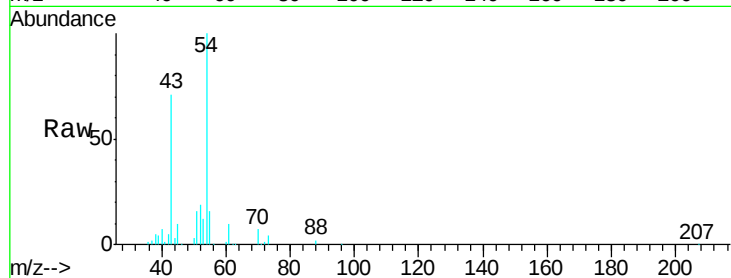
#37
Ethyl Acetate
Concen: 19.295 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	10.2	8.0	12.0

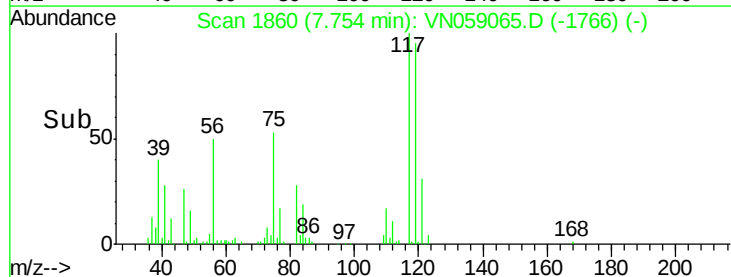
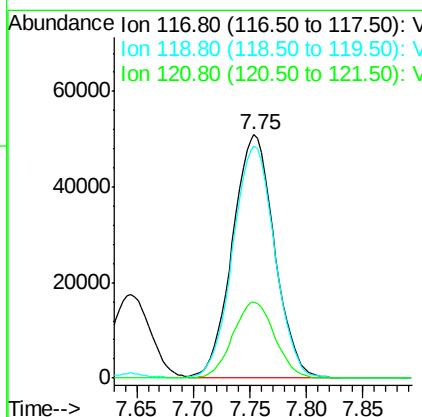
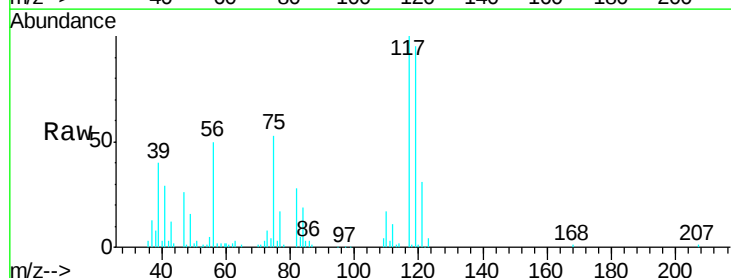
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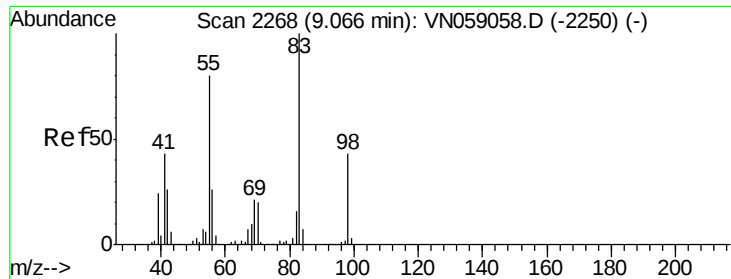
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#38
Carbon Tetrachloride
Concen: 19.409 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.6	114.8
121	31.4	24.6	37.0





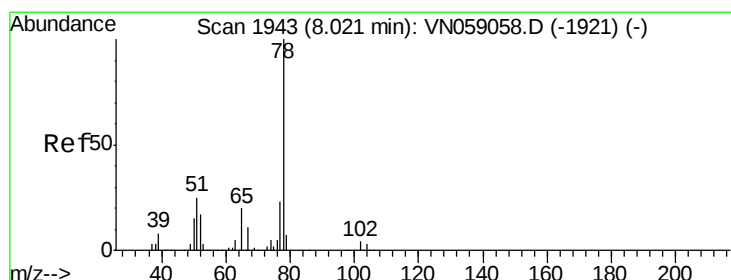
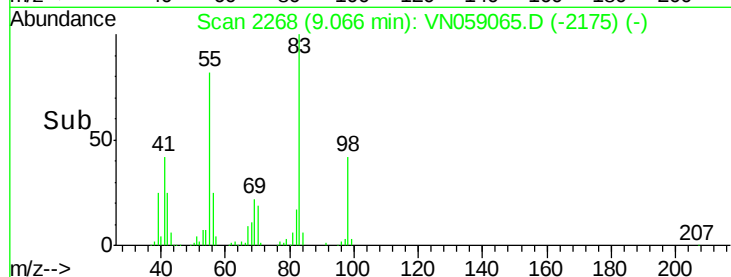
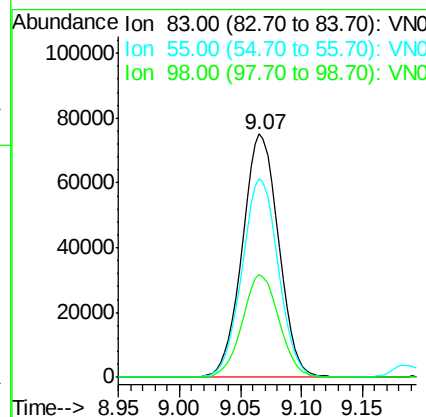
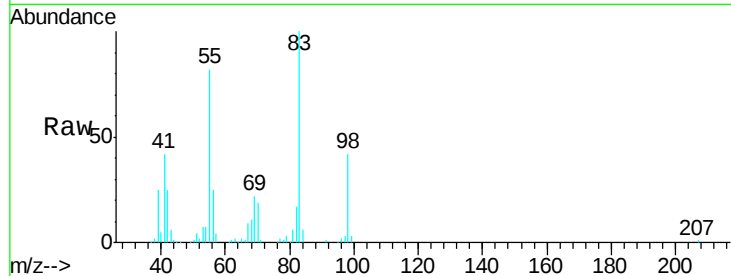
#39
Methylcyclohexane
Concen: 19.193 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.1	96.1
98	42.2	34.3	51.5

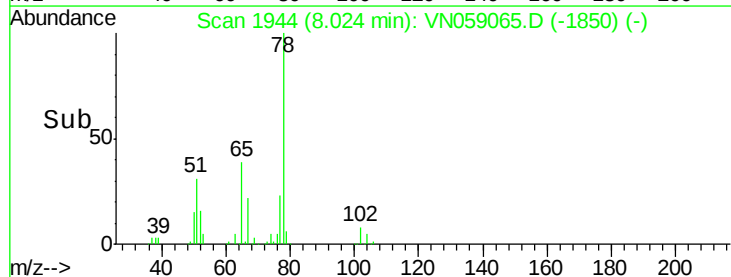
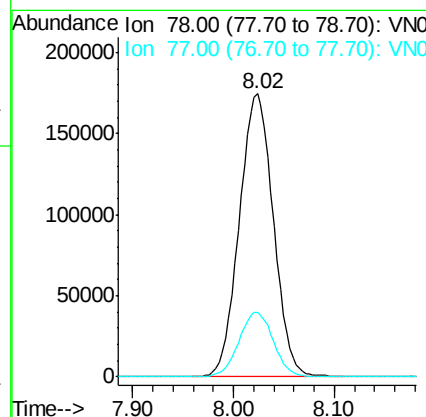
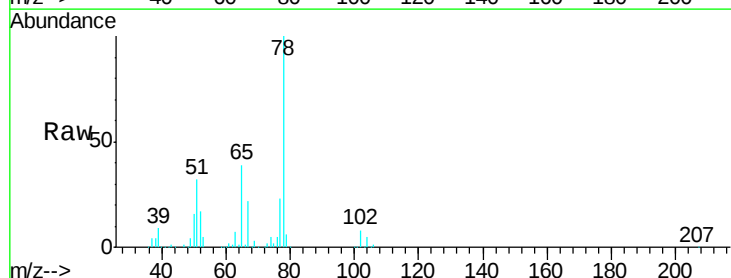
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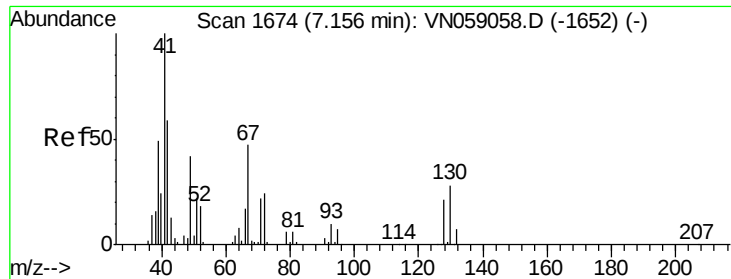
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#40
Benzene
Concen: 19.802 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8





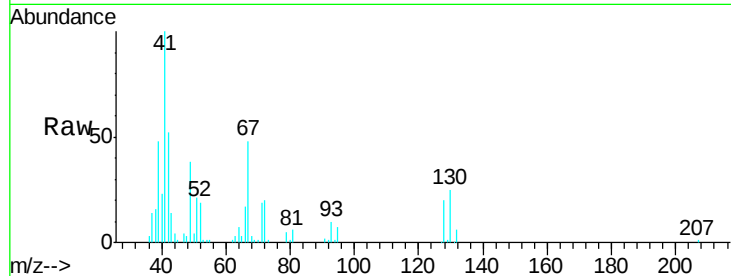
#41
Methacrylonitrile
Concen: 19.558 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

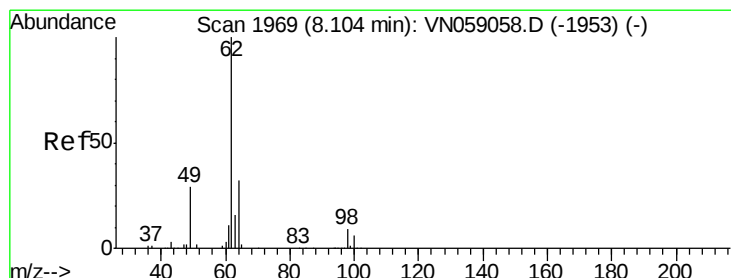
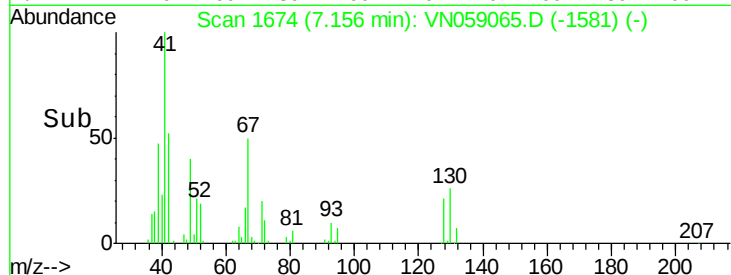
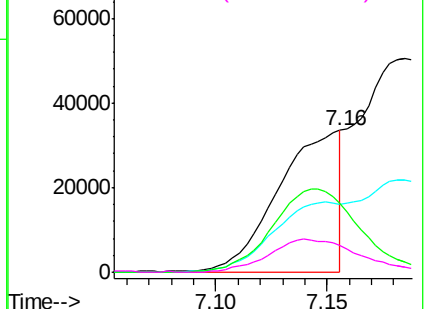
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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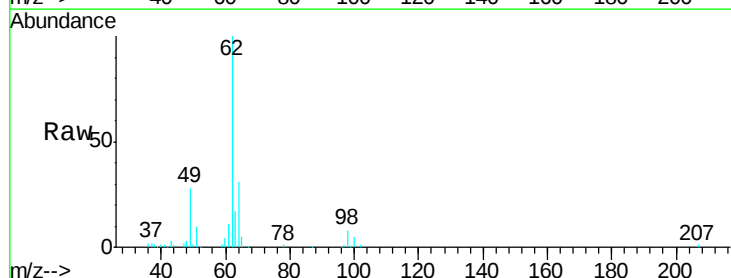


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

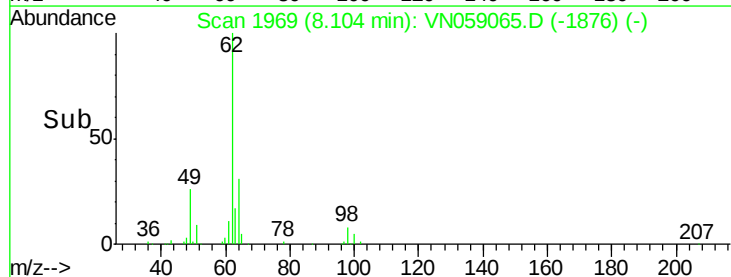
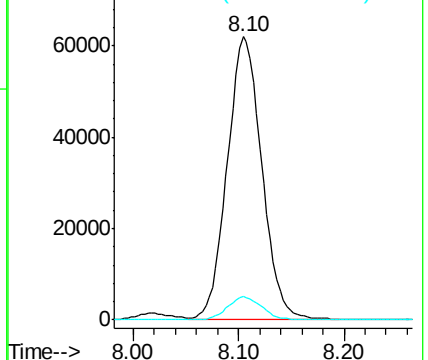


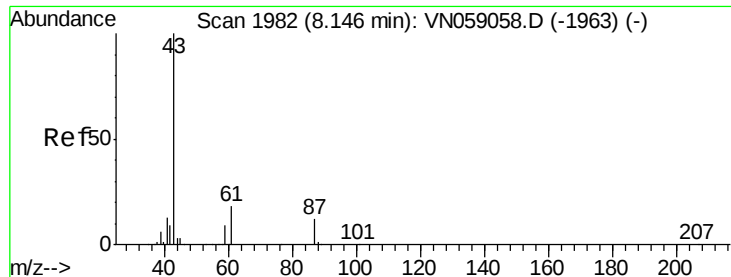
#42
1,2-Dichloroethane
Concen: 19.582 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





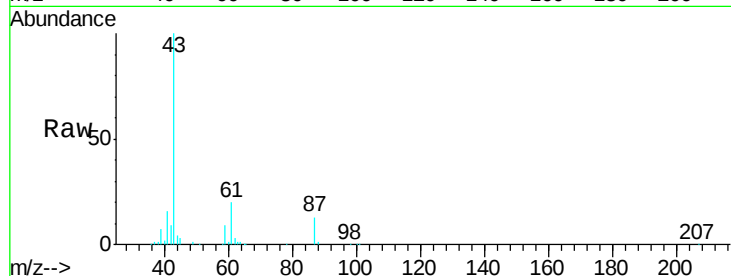
#43
Isopropyl Acetate
Concen: 19.055 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

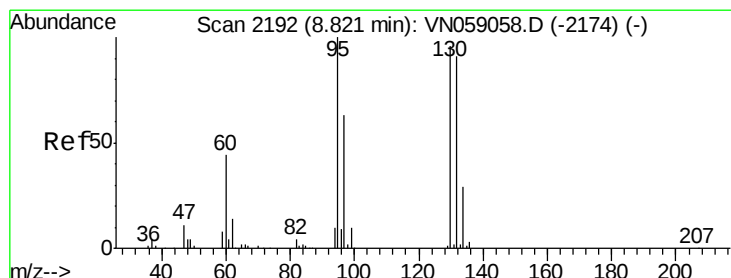
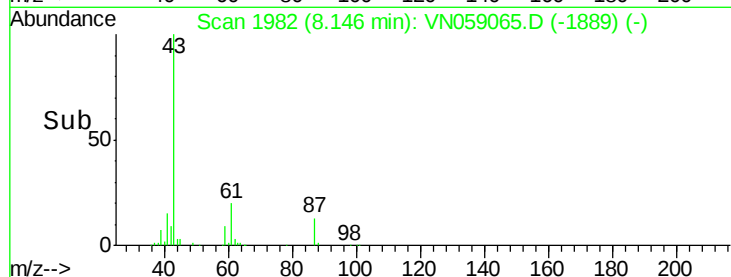
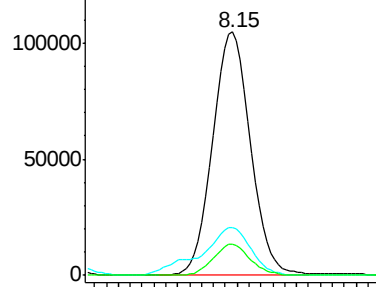
Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.5	30.7
87	12.6	9.8	14.8

Manual Integrations
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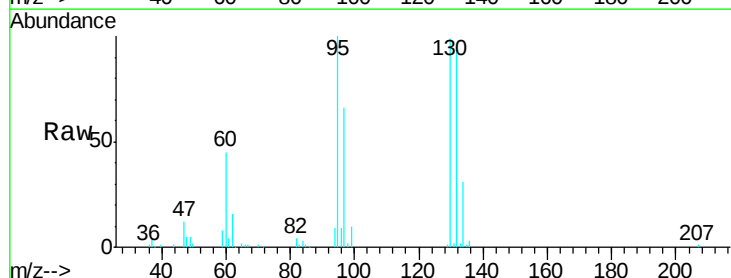


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

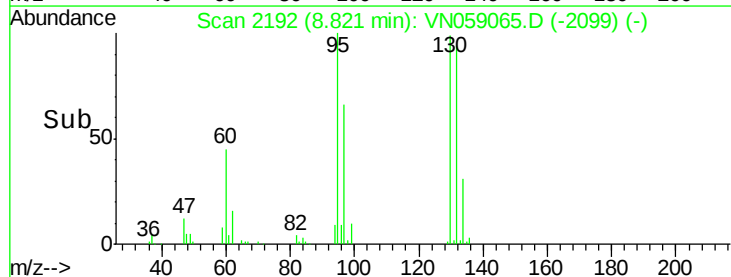
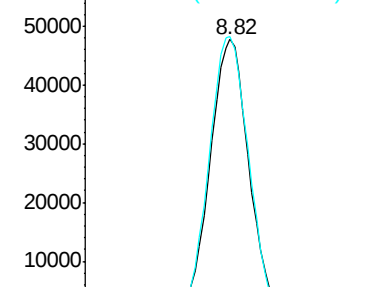


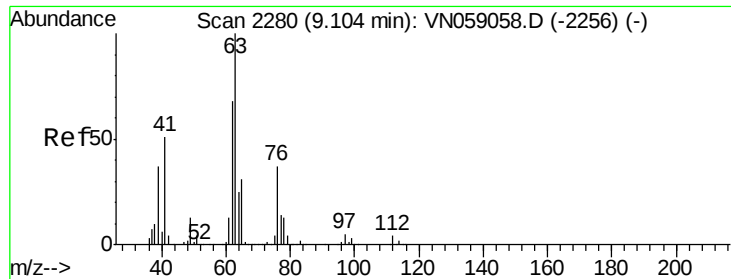
#44
Trichloroethene
Concen: 19.222 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	207.6



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





#45

1,2-Dichloropropane

Concen: 19.664 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 63 Resp: 109704

Ion Ratio Lower Upper

63 100

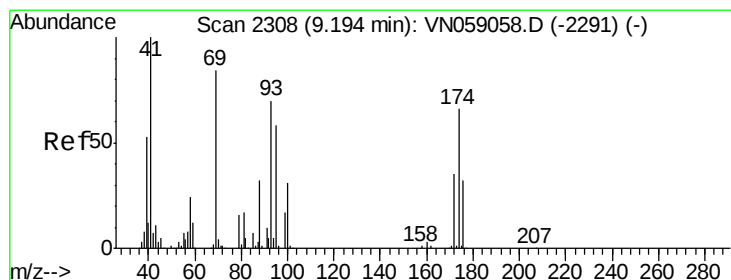
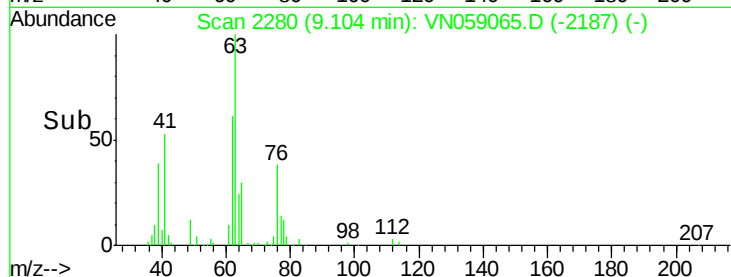
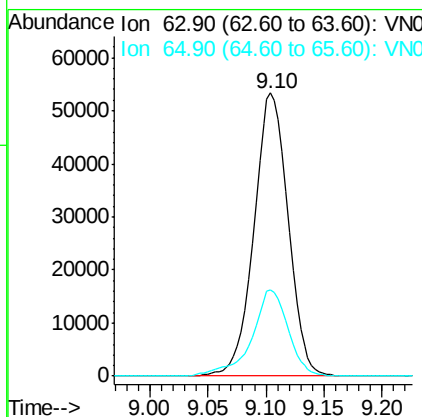
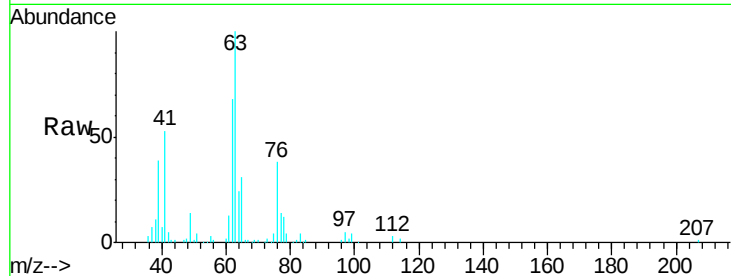
65 30.7 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.599 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

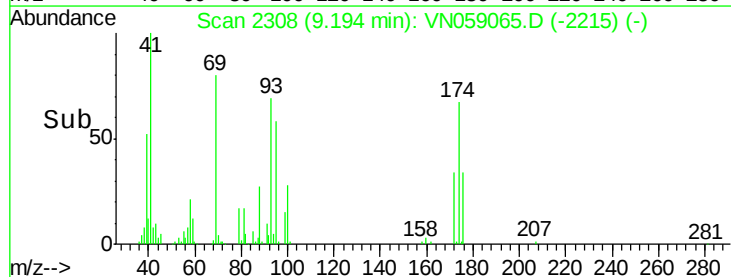
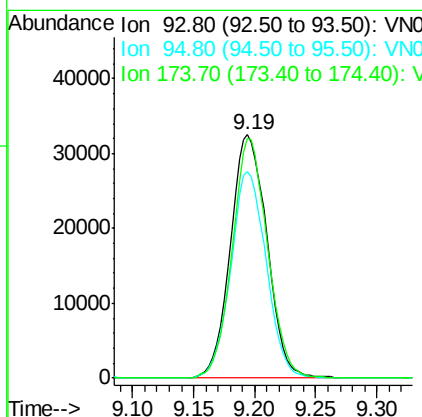
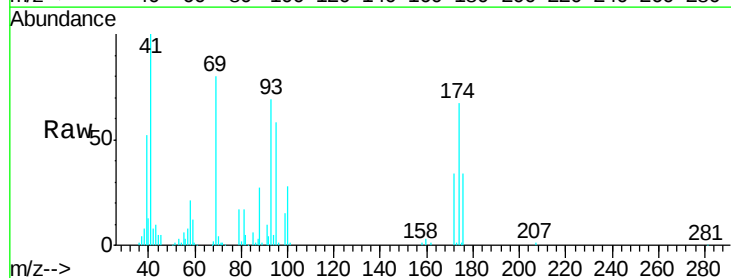
Tgt Ion: 93 Resp: 67578

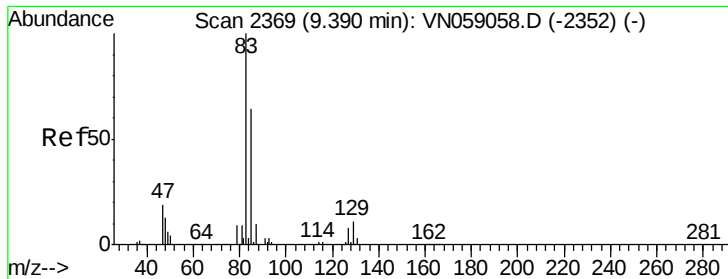
Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 95.4 78.3 117.5





#47

Bromodichloromethane

Concen: 19.466 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

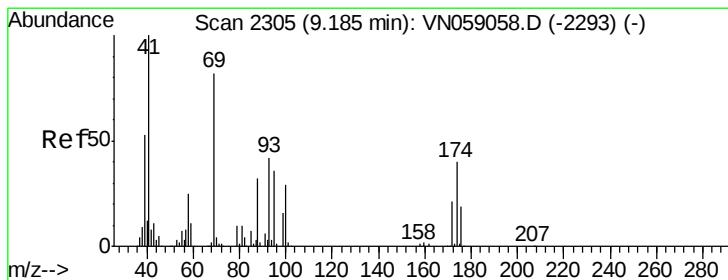
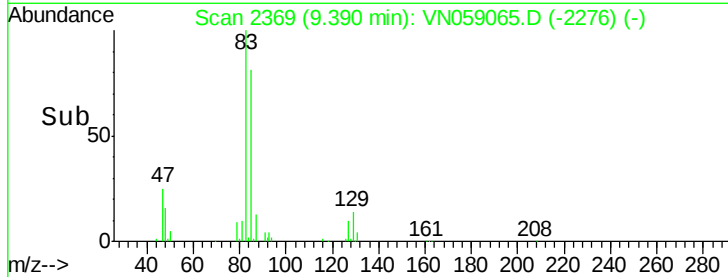
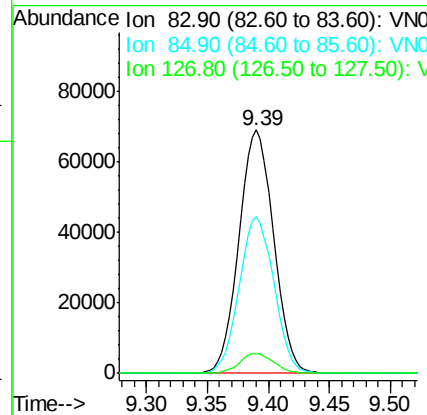
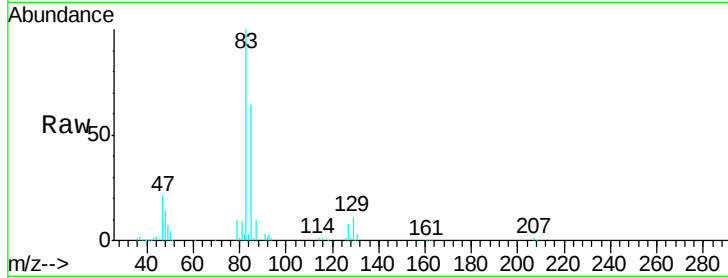
ClientSampleId :

VN1101WBS02

Tgt Ion:	83	Resp:	135933
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.2	76.8
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.068 ug/l

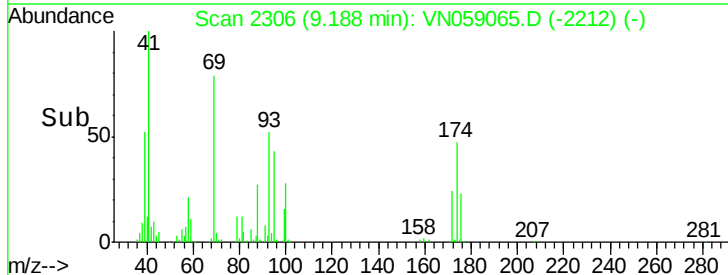
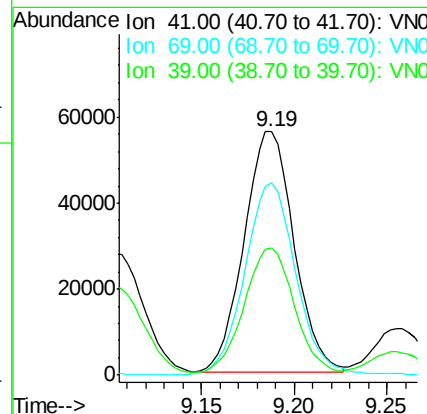
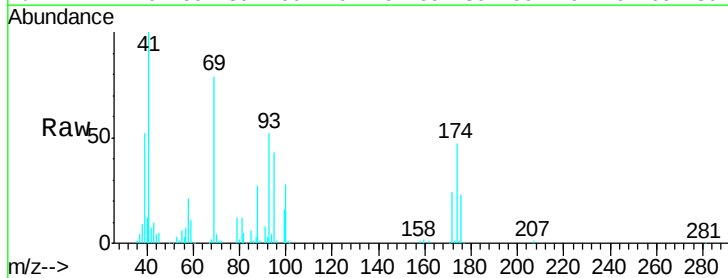
RT: 9.19 min Scan# 2306

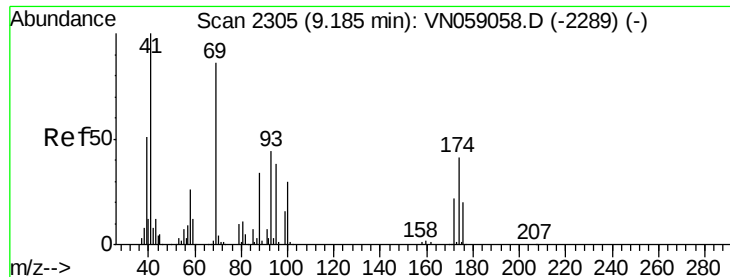
Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	41	Resp:	105006
Ion Ratio	Lower	Upper	
41	100		
69	82.2	67.1	100.7
39	53.1	43.3	64.9





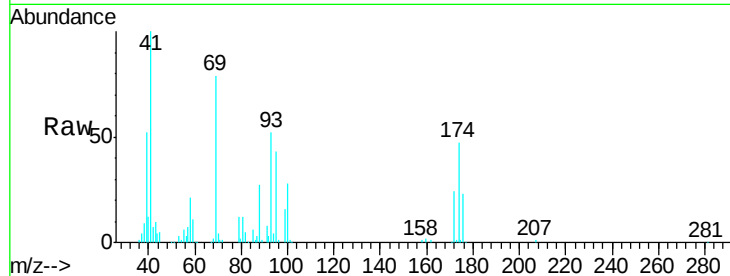
#49
1,4-Dioxane
Concen: 353.182 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

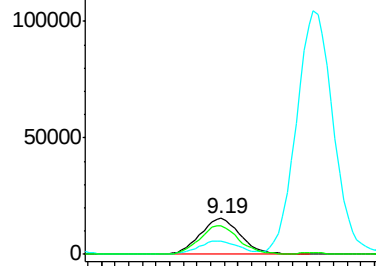
Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.2	39.2
58	77.6	59.1	88.7

Manual Integrations
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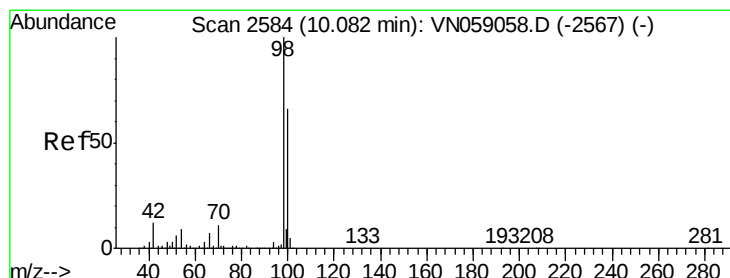
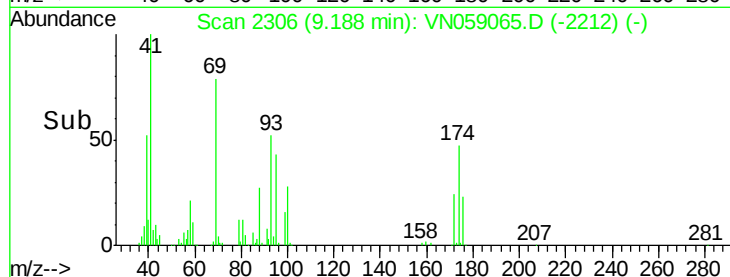
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Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

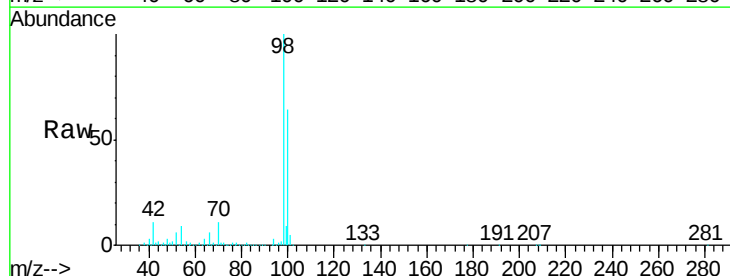


Time-->

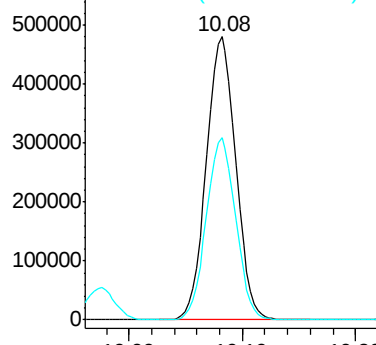


#50
Toluene-d8
Concen: 49.640 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

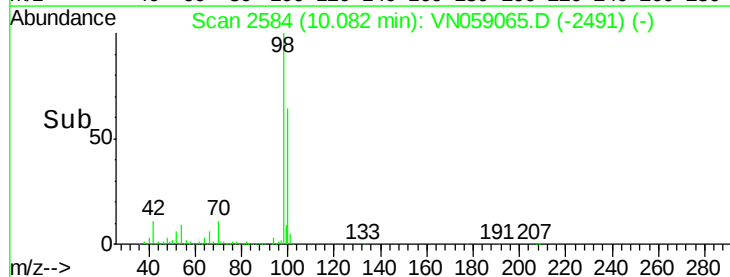
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5

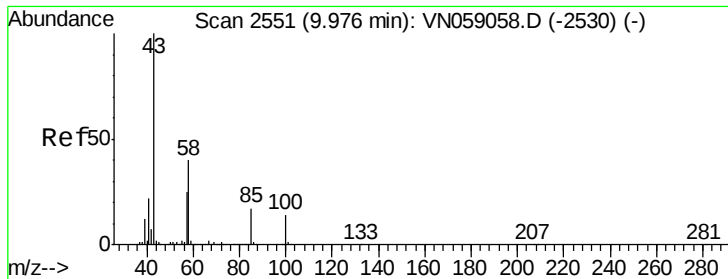


Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC



Time-->





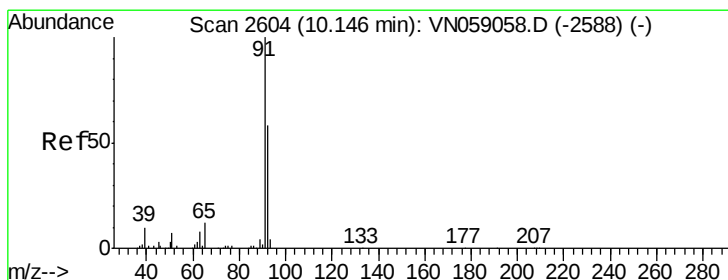
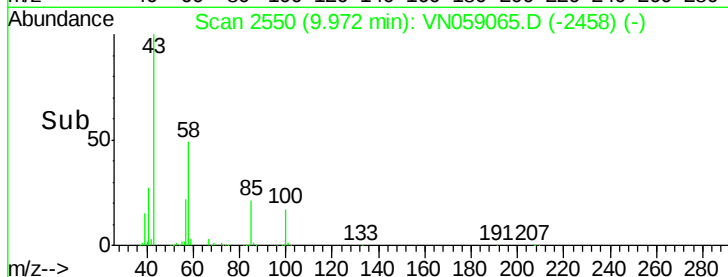
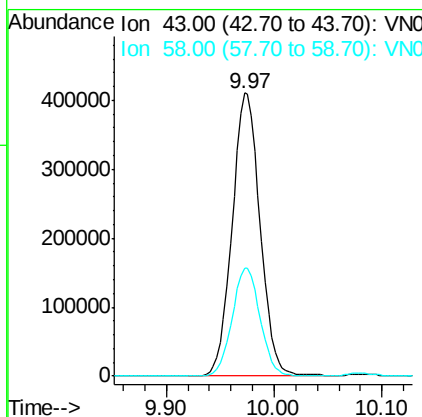
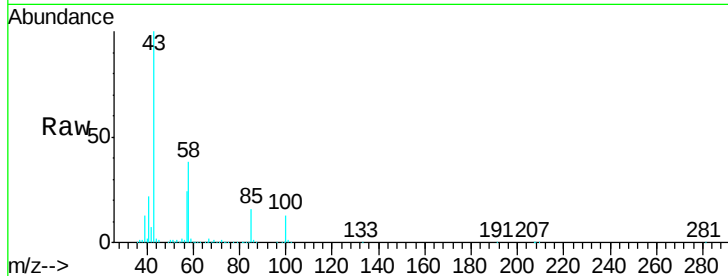
#51
 4-Methyl-2-Pentanone
 Concen: 105.723 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 43 Resp: 741773
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.8 47.6

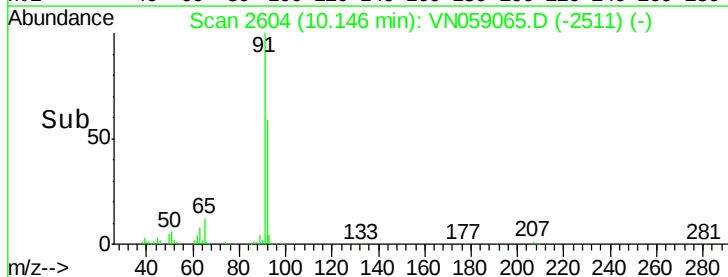
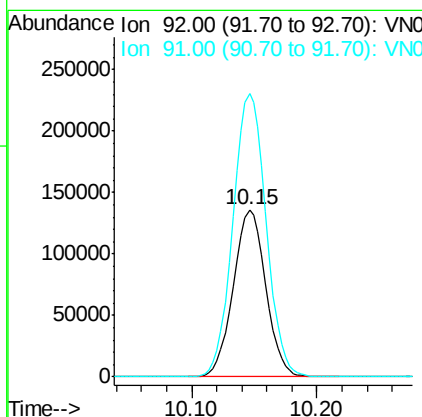
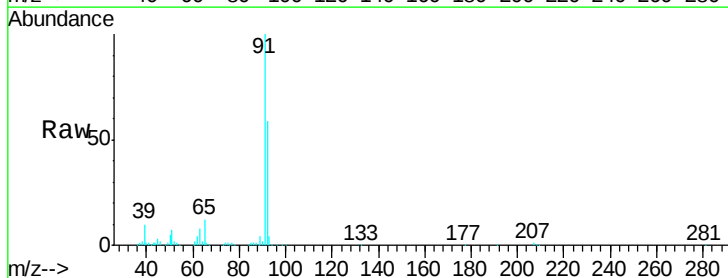
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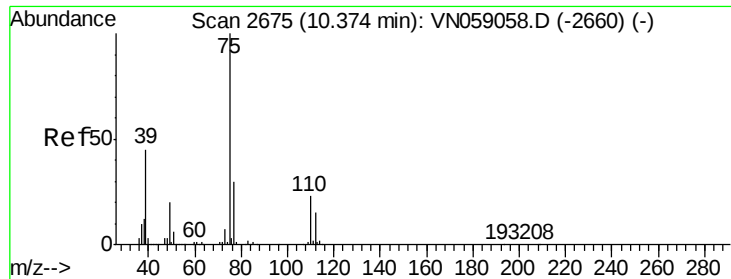
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#52
 Toluene
 Concen: 20.253 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion: 92 Resp: 244805
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 19.098 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 75 Resp: 154206

Ion Ratio Lower Upper

75 100

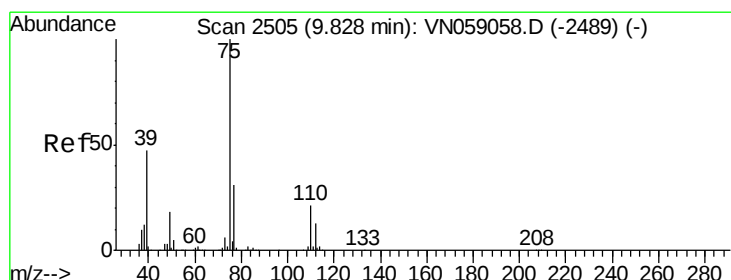
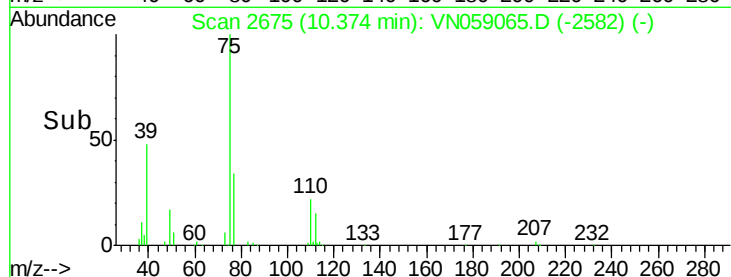
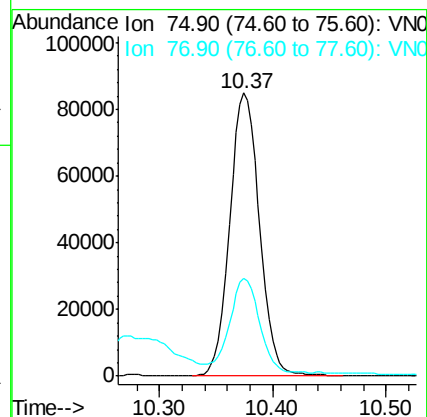
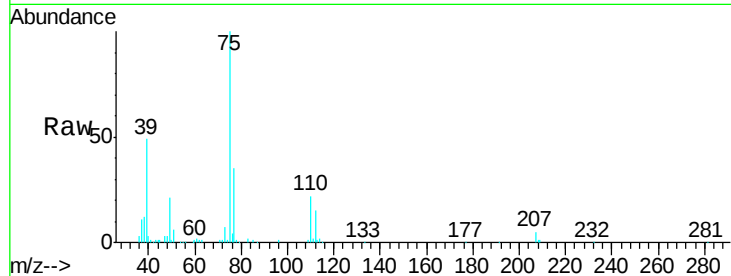
77 33.7 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 19.680 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

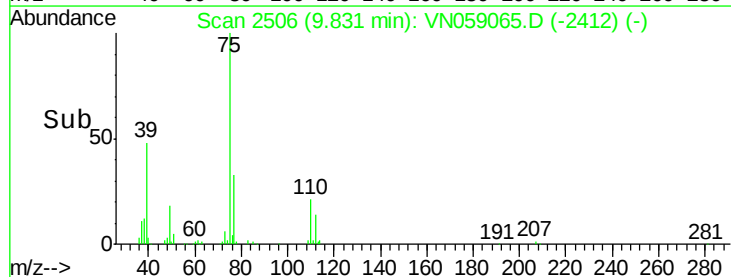
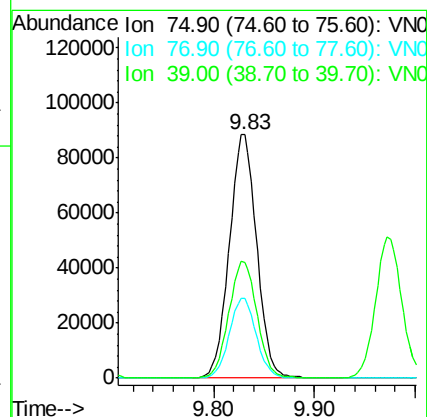
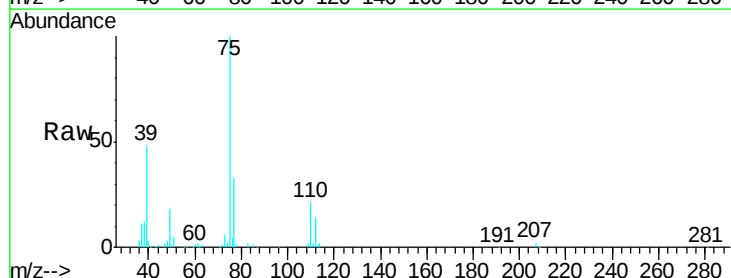
Tgt Ion: 75 Resp: 167609

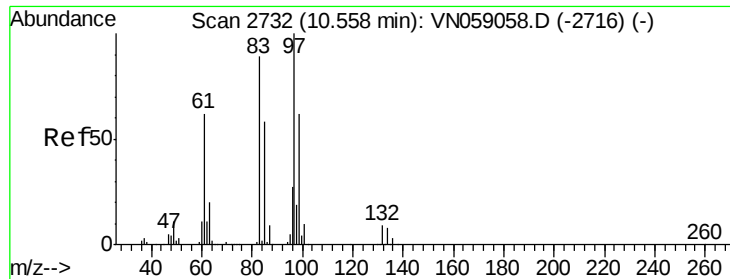
Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0

39 47.5 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 19.497 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

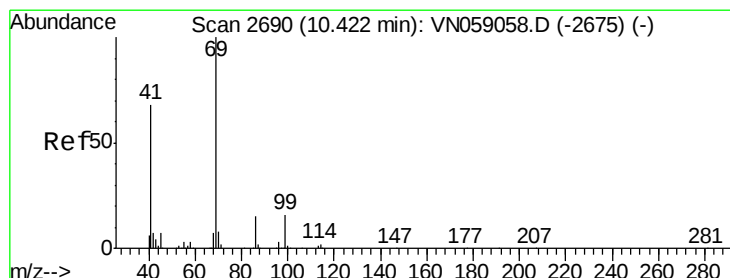
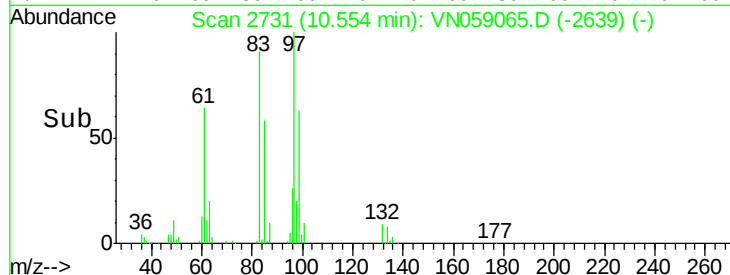
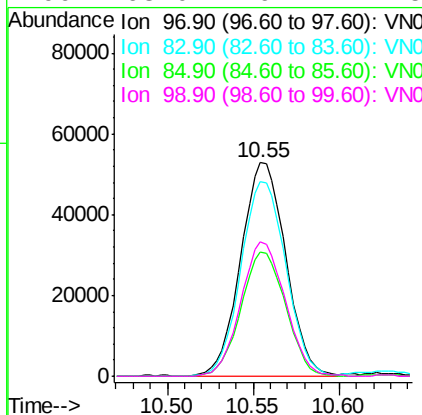
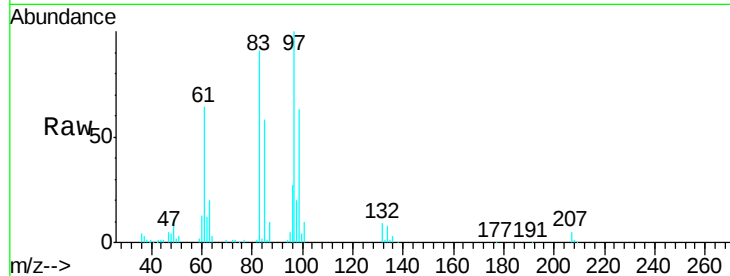
ClientSampleId :

VN1101WBS02

Tgt Ion:	97	Resp:	96000
Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.4	107.2
85	58.3	46.6	70.0
99	63.0	49.7	74.5

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#56

Ethyl methacrylate

Concen: 18.353 ug/l

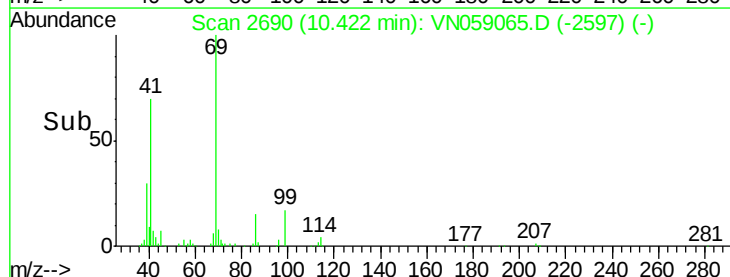
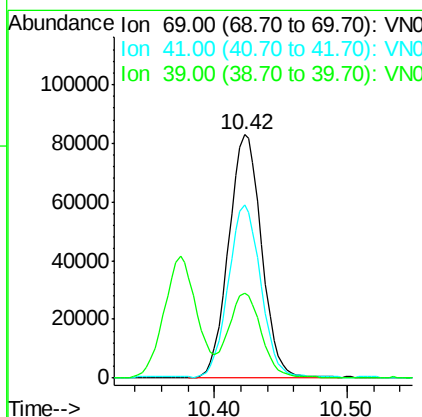
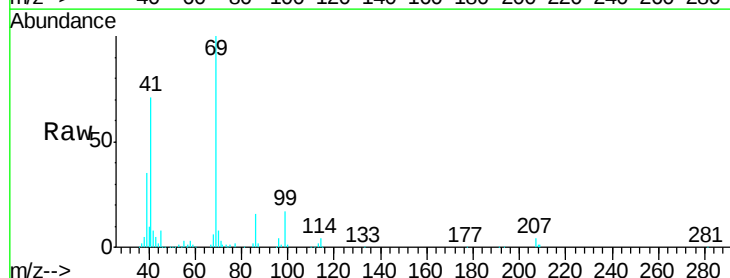
RT: 10.42 min Scan# 2690

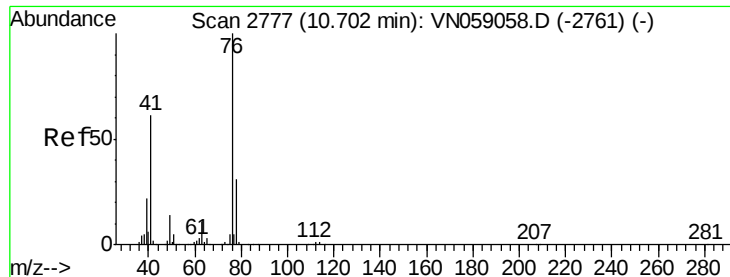
Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	69	Resp:	143152
Ion	Ratio	Lower	Upper
69	100		
41	69.5	53.8	80.8
39	34.8	26.2	39.2





#57

1,3-Dichloropropane

Concen: 19.606 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 76 Resp: 167888

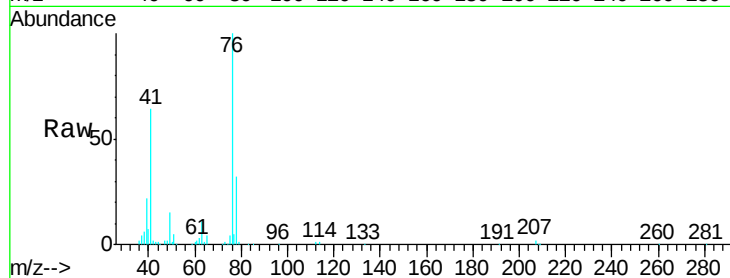
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

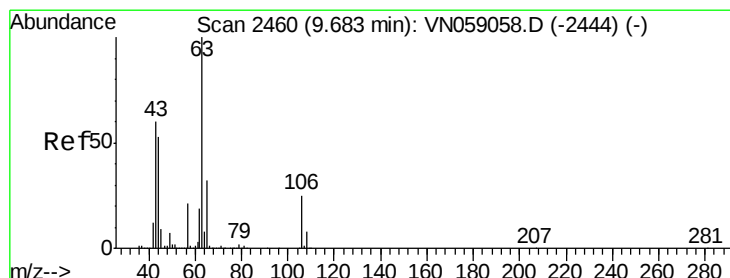
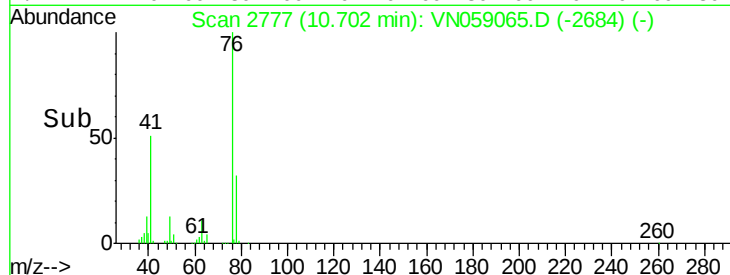
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.427 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059065.D

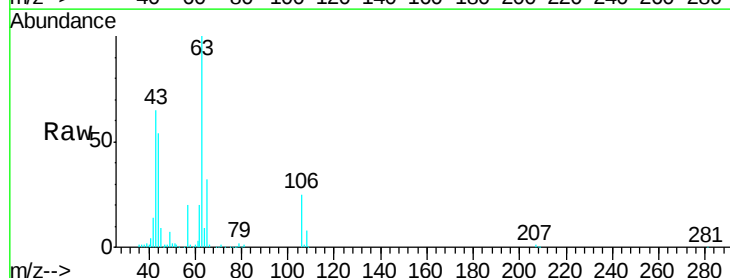
Acq: 1 Nov 2019 16:20

Tgt Ion: 63 Resp: 302222

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

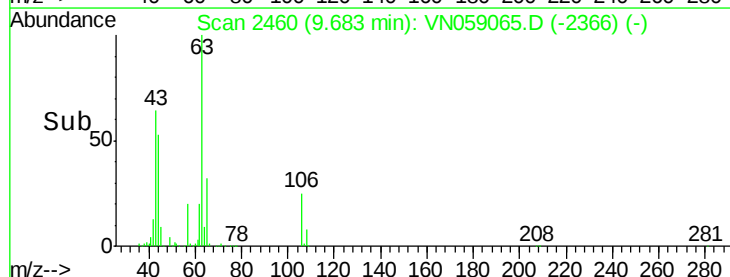
150000

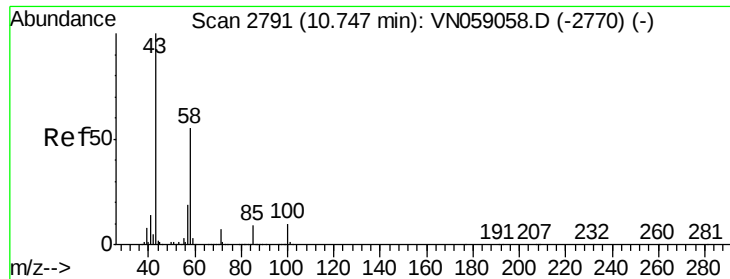
100000

50000

0

Time--> 9.60 9.70 9.80





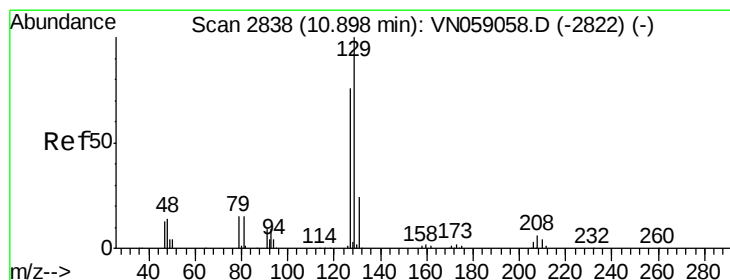
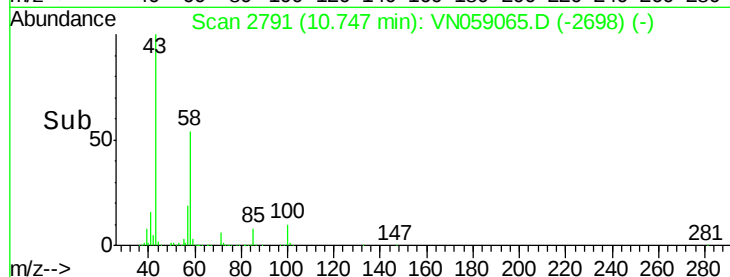
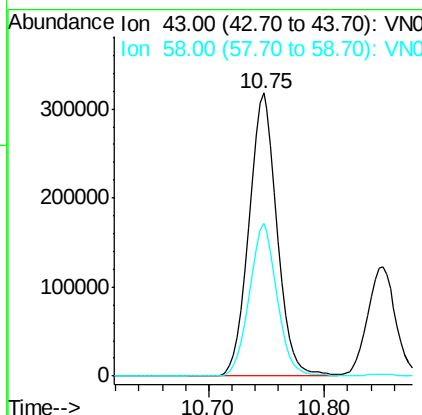
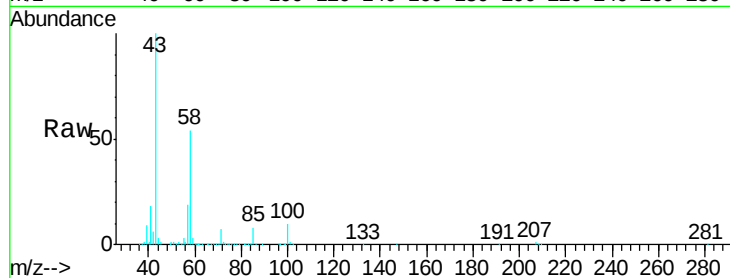
#59
2-Hexanone
Concen: 100.628 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion: 43 Resp: 536367
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2

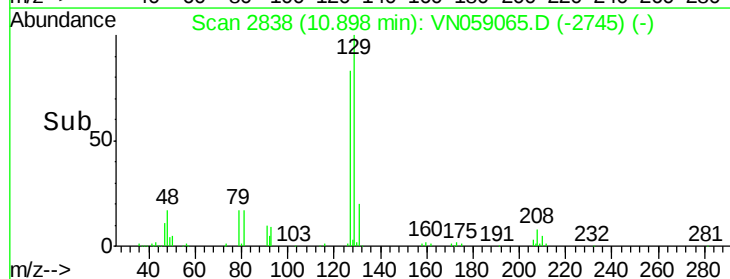
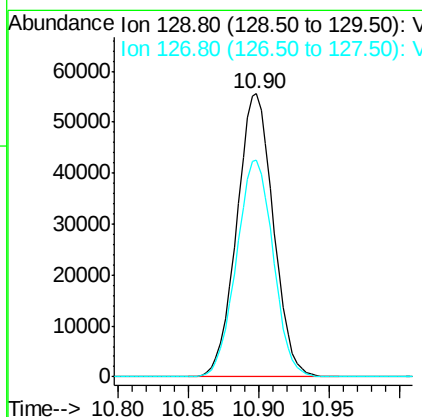
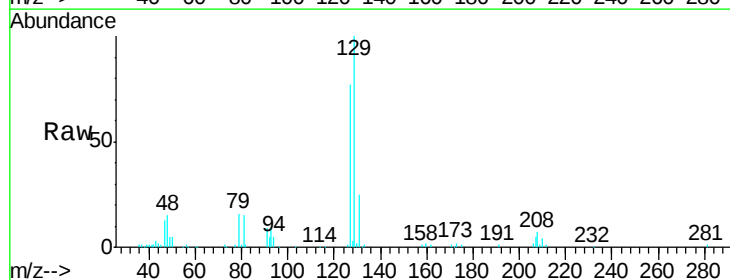
Manual Integrations
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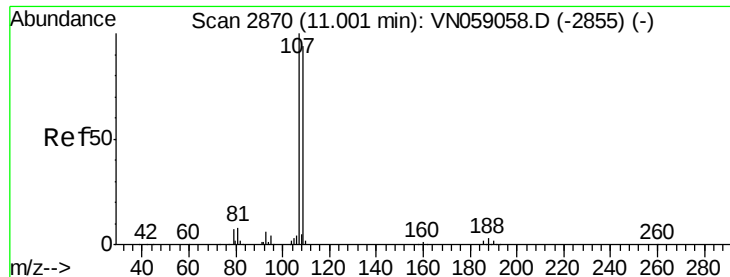
MMDadoda
11/5/2019 1:59:33 PM



#60
Dibromochloromethane
Concen: 19.044 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion: 129 Resp: 101055
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





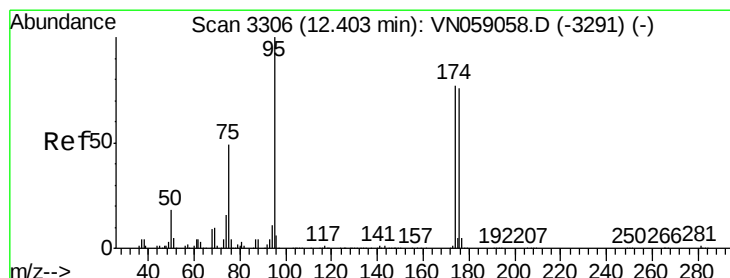
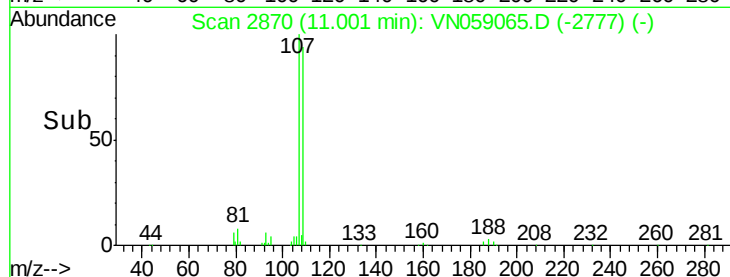
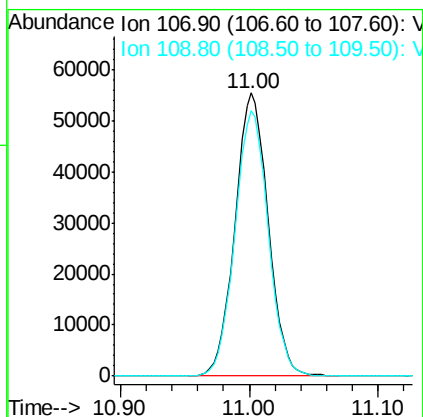
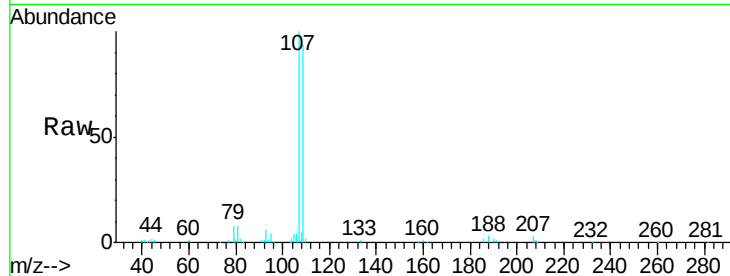
#61
 1,2-Dibromoethane
 Concen: 19.817 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion: 107 Resp: 98849
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3

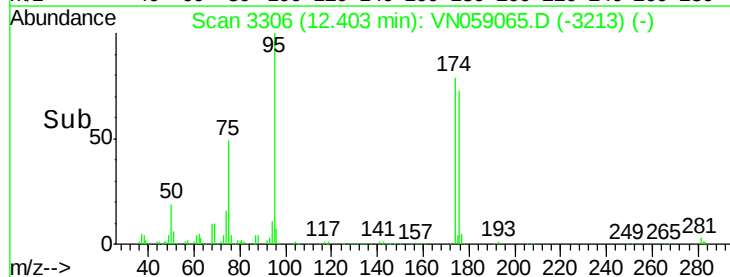
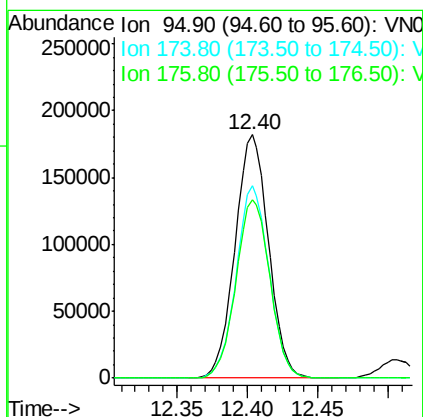
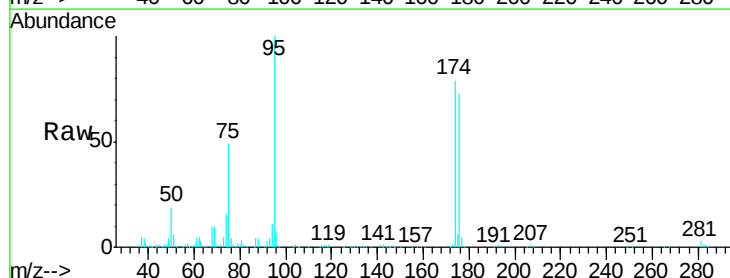
Manual Integrations
 APPROVED

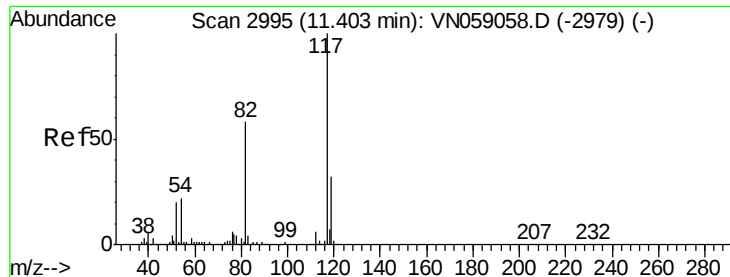
MMDadoda
 11/5/2019 1:59:33 PM



#62
 4-Bromofluorobenzene
 Concen: 47.985 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion: 95 Resp: 303000
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 155.8
 176 74.4 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

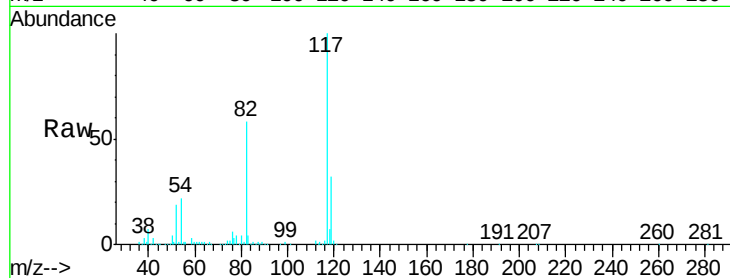
ClientSampleId :

VN1101WBS02

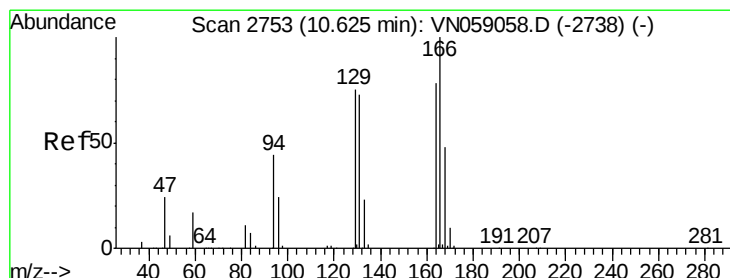
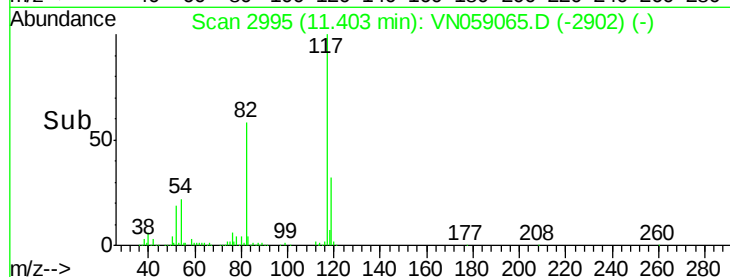
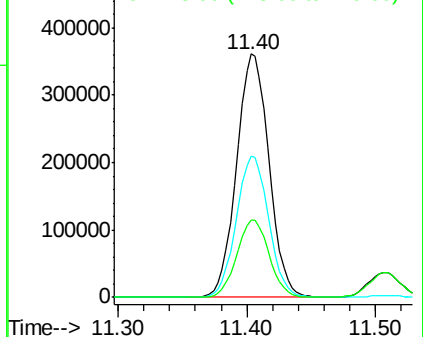
Tgt Ion:	117	Resp:	629951
Ion Ratio	Lower	Upper	
117	100		
82	58.0	46.0	69.0
119	31.7	25.6	38.4

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.556 ug/l

RT: 10.63 min Scan# 2753

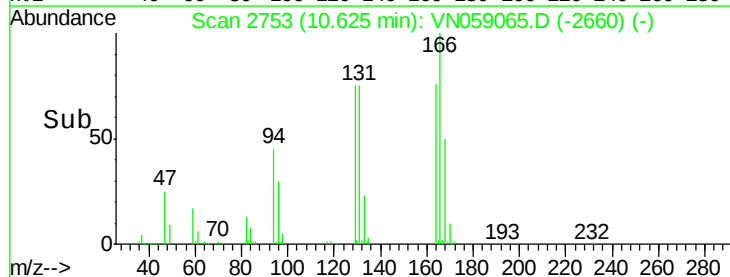
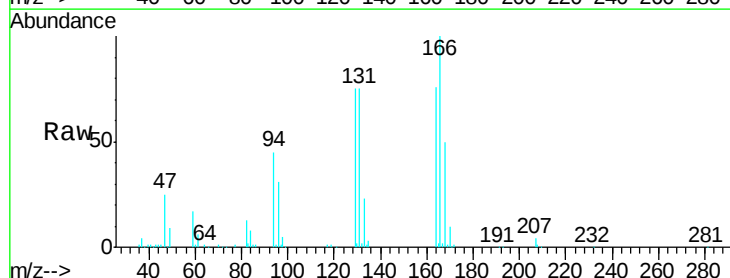
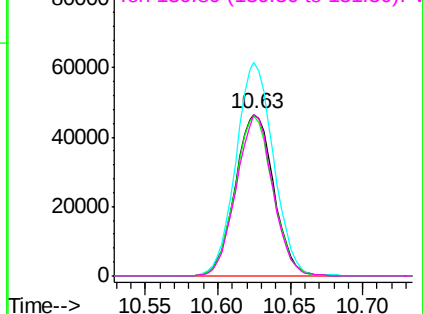
Delta R.T. -0.00 min

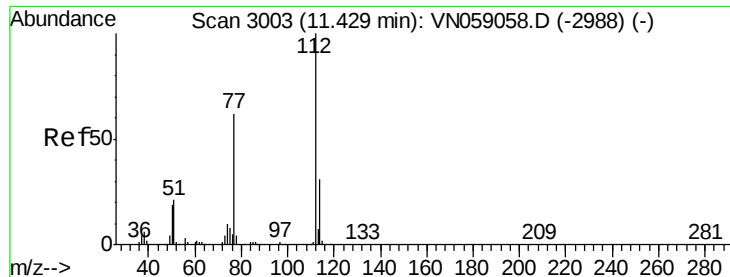
Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	164	Resp:	86057
Ion Ratio	Lower	Upper	
164	100		
166	132.0	102.7	154.1
129	98.6	77.3	115.9
131	99.3	74.8	112.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.333 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion:112 Resp: 249964

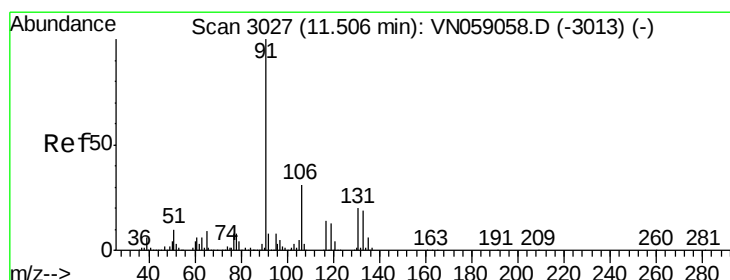
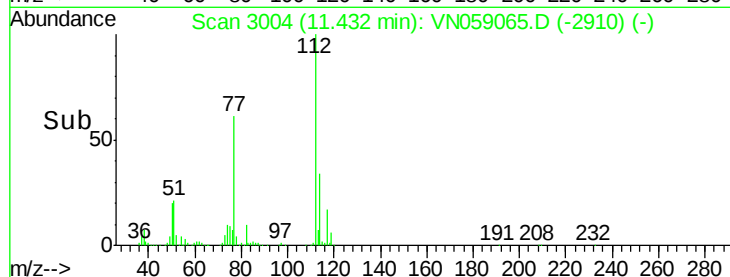
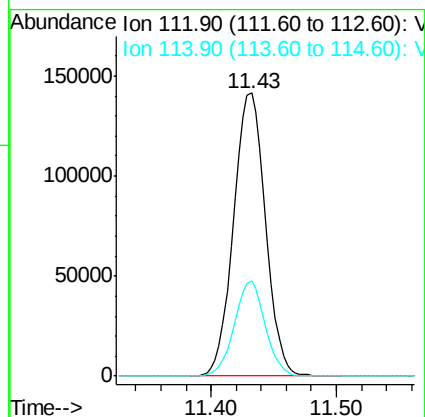
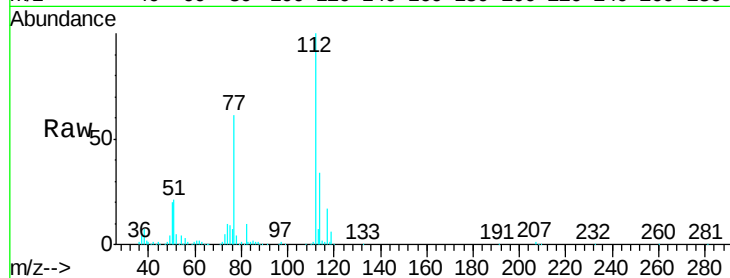
Ion Ratio Lower Upper

112 100

114 33.7 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.767 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

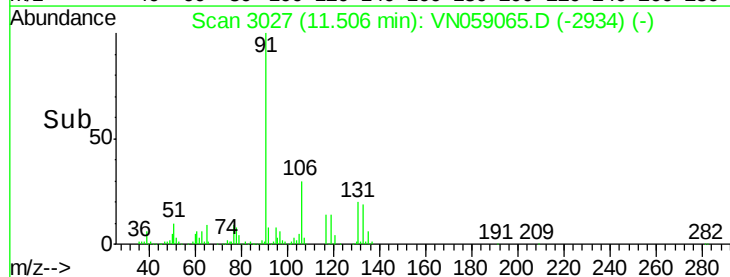
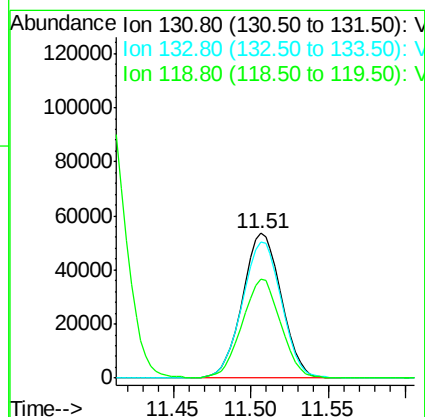
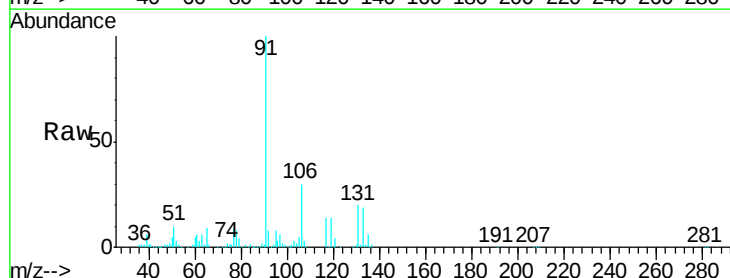
Tgt Ion:131 Resp: 94027

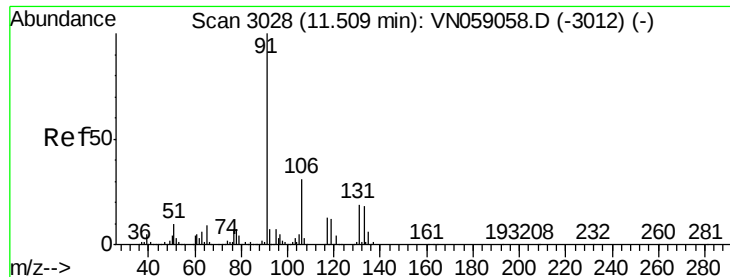
Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

119 67.6 33.5 100.5





#67

Ethyl Benzene

Concen: 20.368 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 91 Resp: 455877

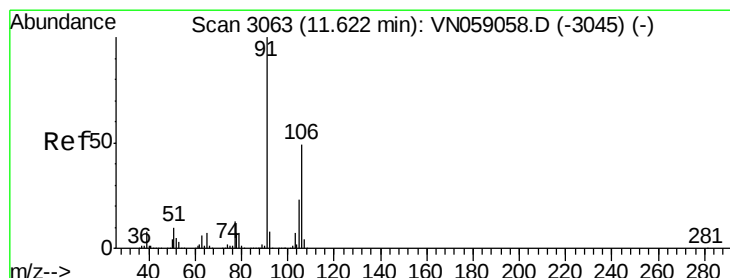
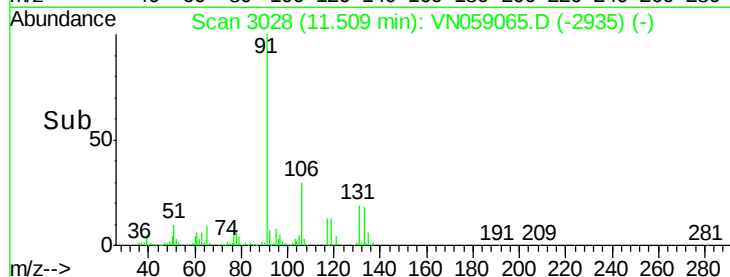
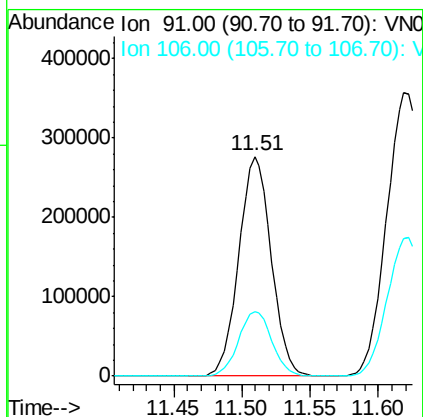
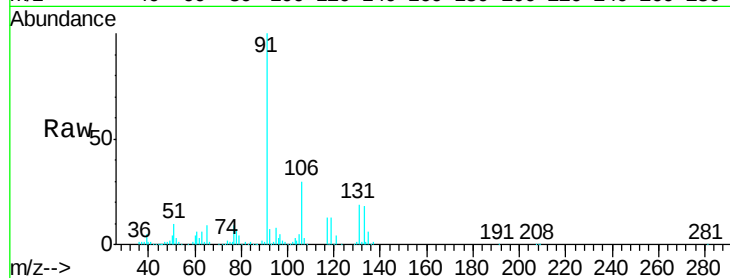
Ion Ratio Lower Upper

91 100

106 29.6 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.200 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059065.D

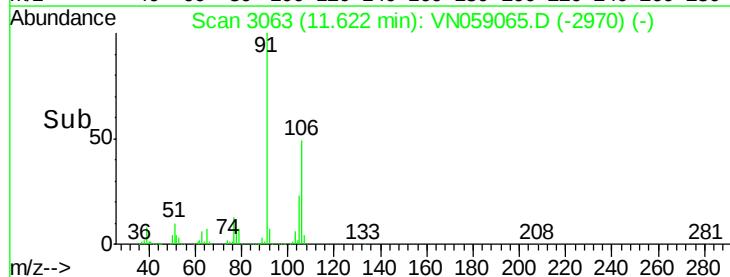
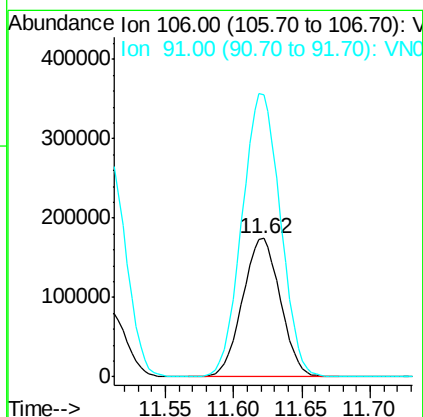
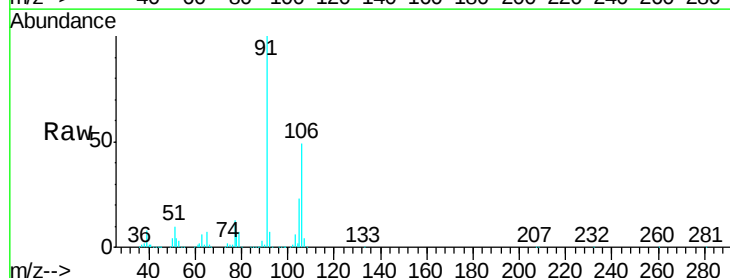
Acq: 1 Nov 2019 16:20

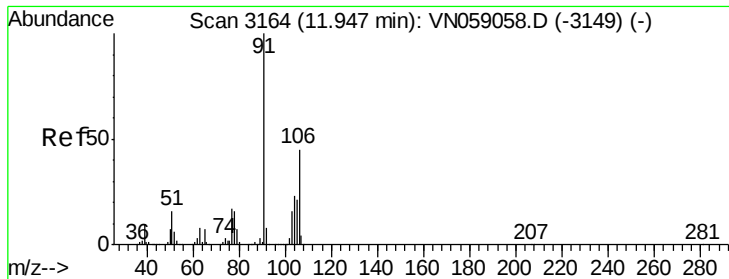
Tgt Ion: 106 Resp: 335978

Ion Ratio Lower Upper

106 100

91 207.0 165.7 248.5





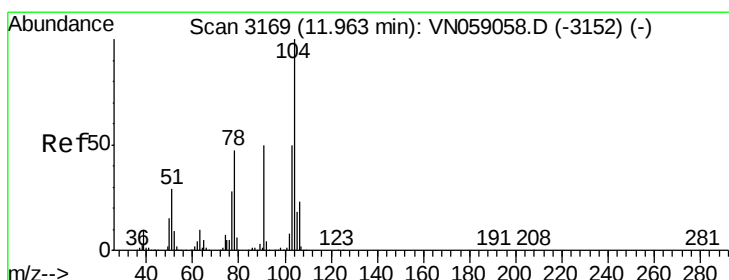
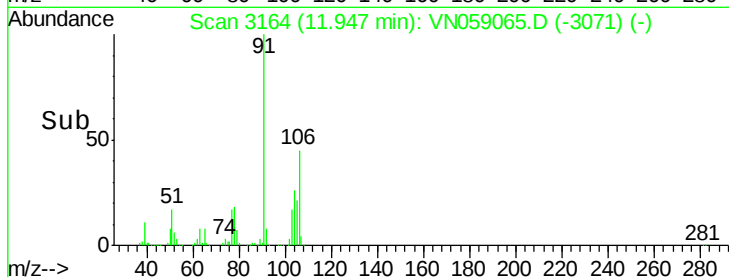
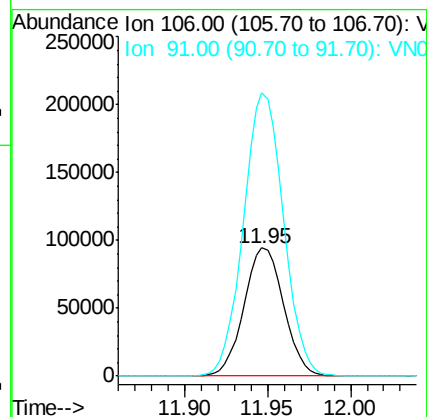
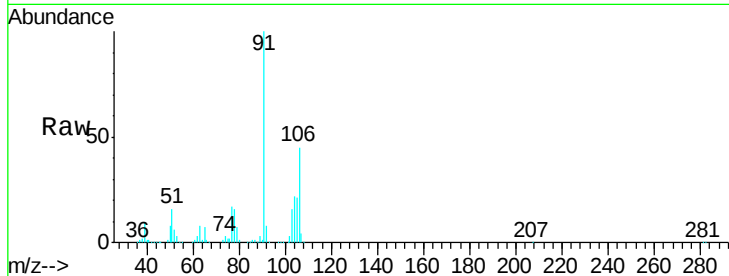
#69
o-Xylene
Concen: 19.808 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion:106 Resp: 158082
Ion Ratio Lower Upper
106 100
91 222.2 110.4 331.2

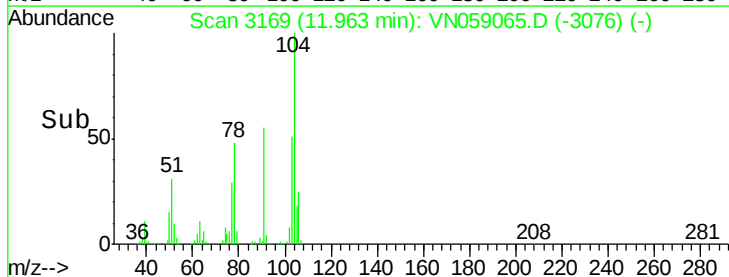
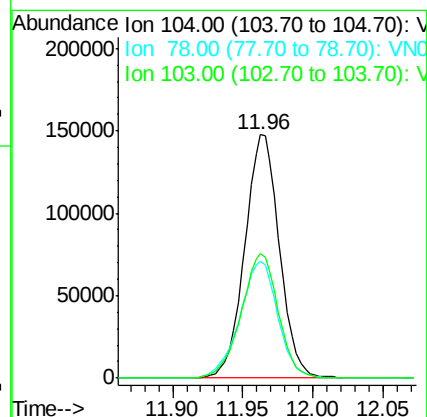
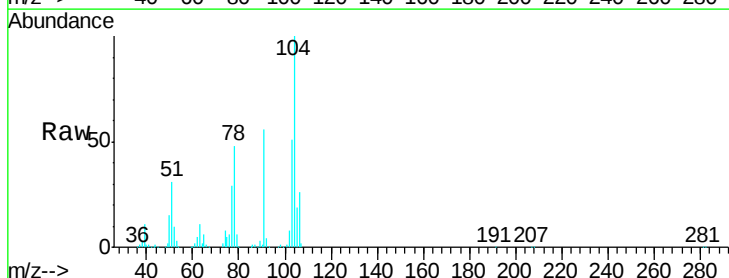
Manual Integrations
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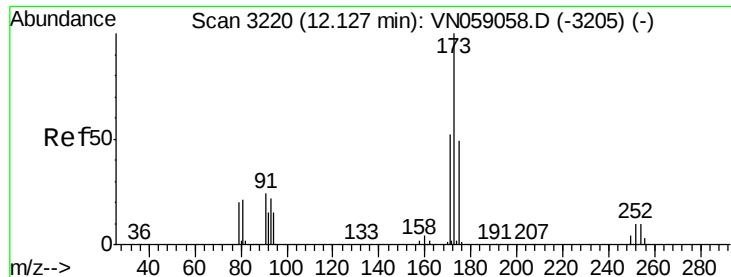
MMDadoda
11/5/2019 1:59:33 PM



#70
Styrene
Concen: 19.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion:104 Resp: 253695
Ion Ratio Lower Upper
104 100
78 53.1 41.2 61.8
103 54.8 43.9 65.9





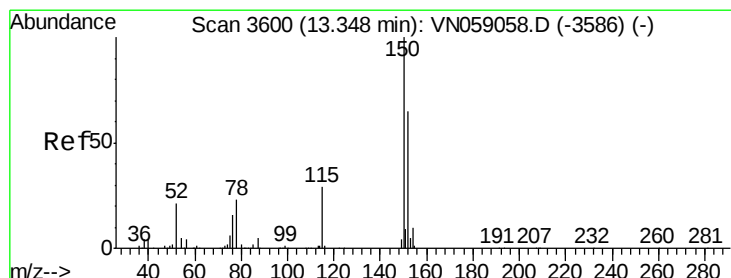
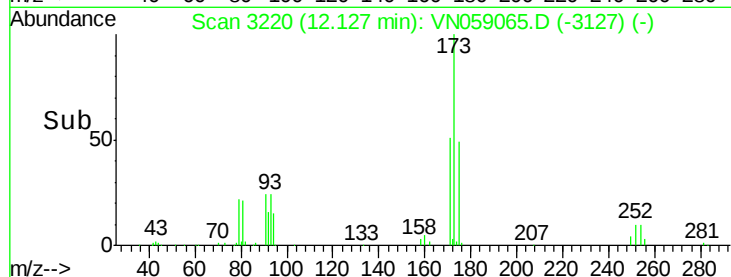
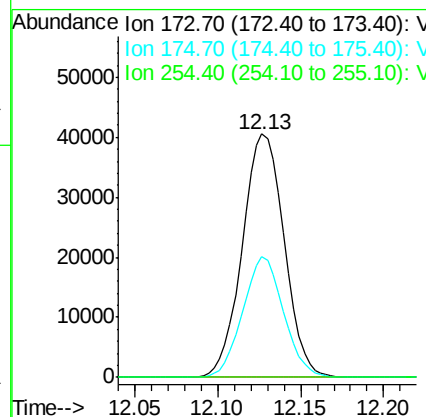
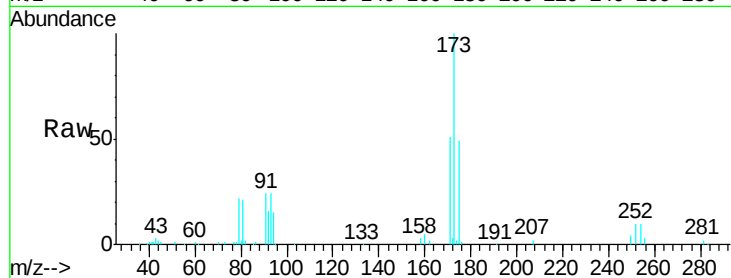
#71
Bromoform
Concen: 19.419 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.0	0.1	0.1#

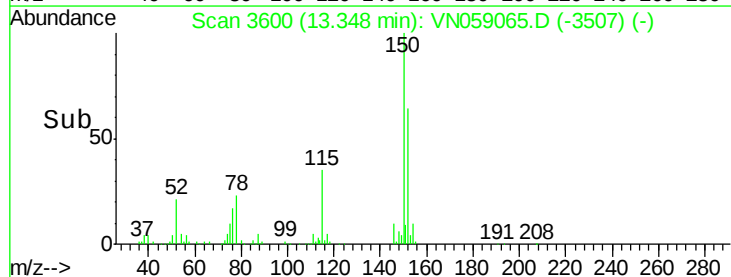
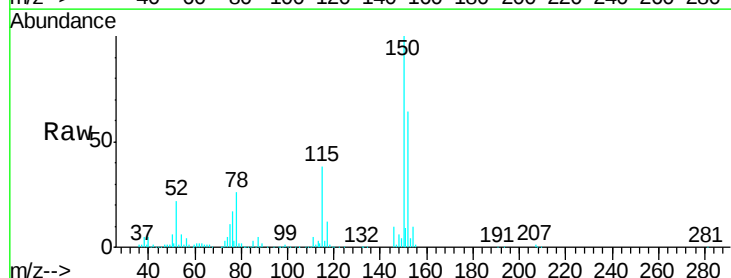
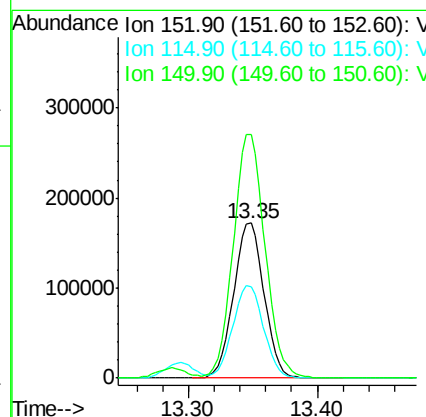
Manual Integrations
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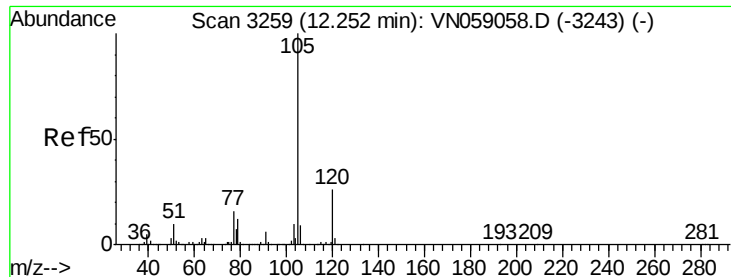
MMDadoda
11/5/2019 1:59:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.6	88.9
150	163.7	0.0	345.8





#73

Isopropylbenzene

Concen: 20.684 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 105 Resp: 429726

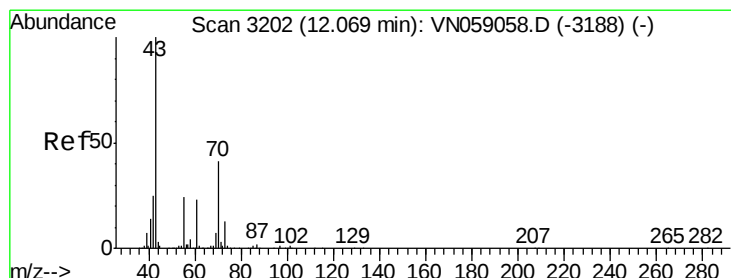
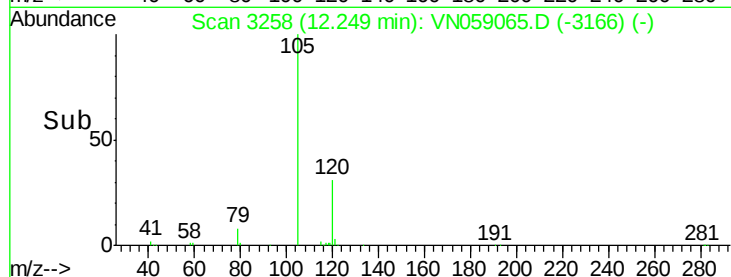
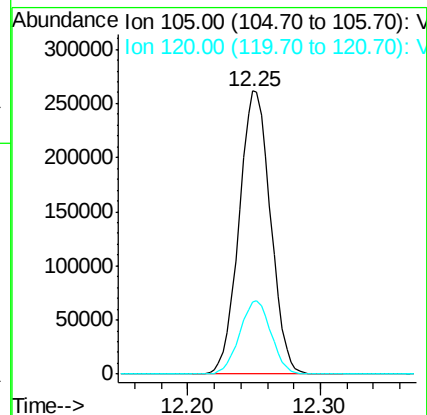
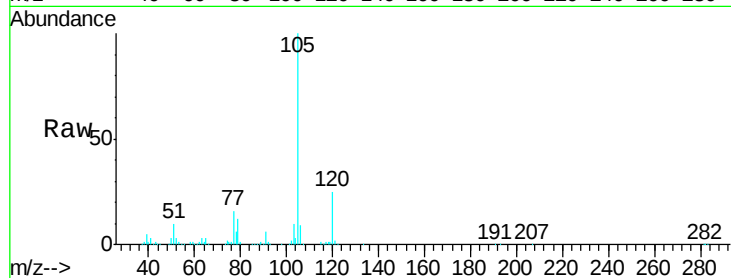
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

Manual Integrations
APPROVED

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11/5/2019 1:59:33 PM



#74

N-ethyl acetate

Concen: 19.522 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion: 43 Resp: 180421

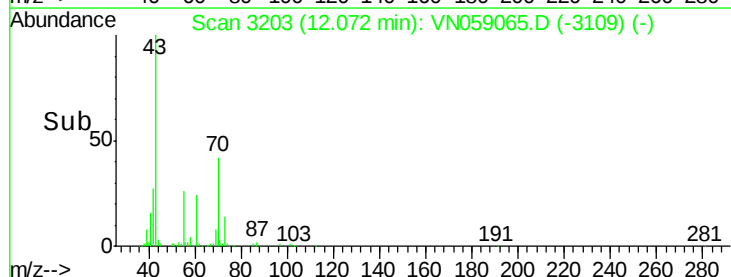
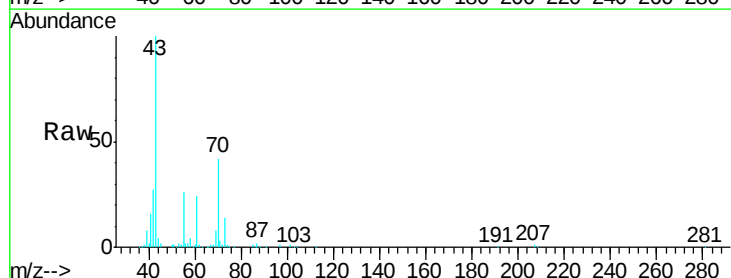
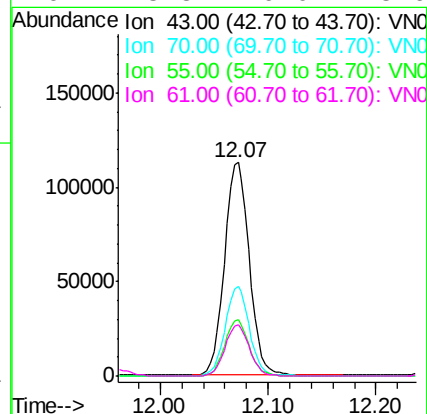
Ion Ratio Lower Upper

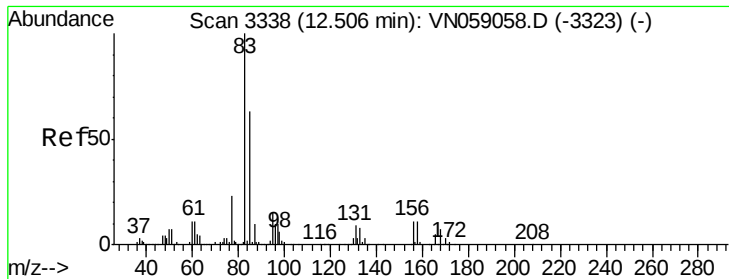
43 100

70 41.1 32.6 49.0

55 25.9 19.7 29.5

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.911 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 83 Resp: 147362

Ion Ratio Lower Upper

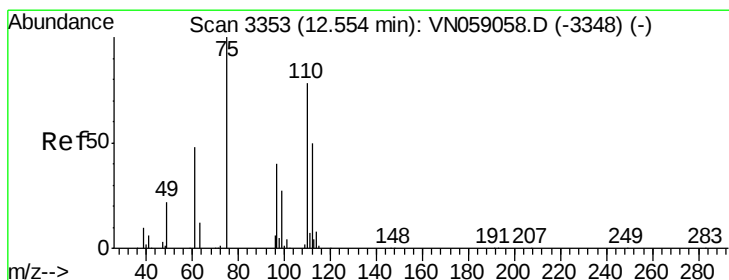
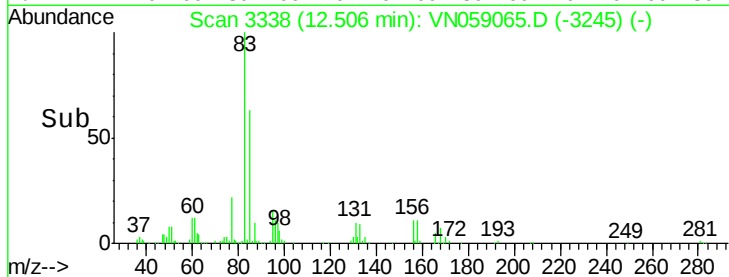
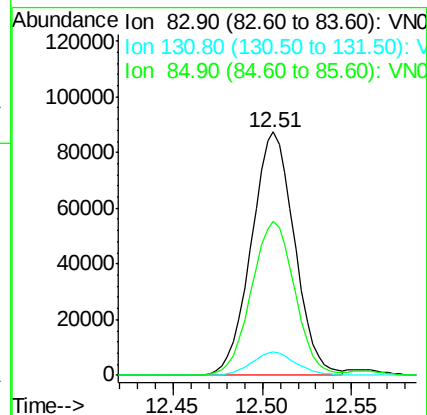
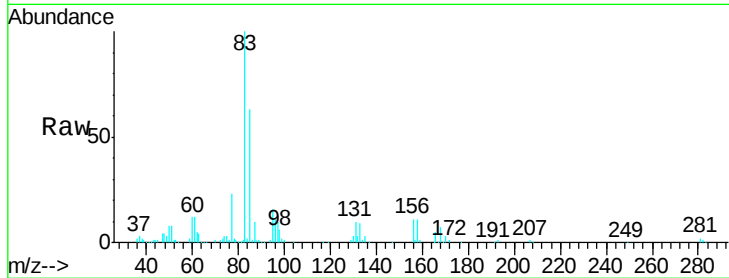
83 100

131 9.8 4.9 14.7

85 63.6 31.9 95.9

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#76

1,2,3-Trichloropropane

Concen: 20.424 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059065.D

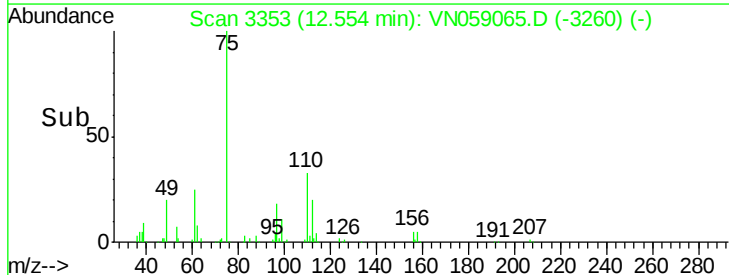
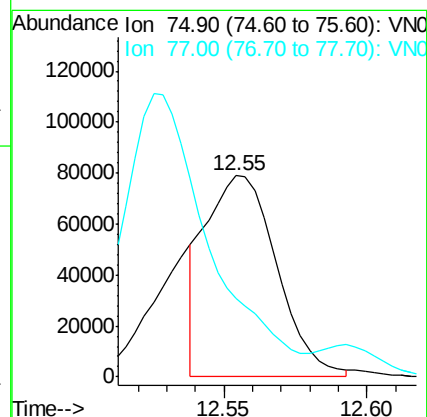
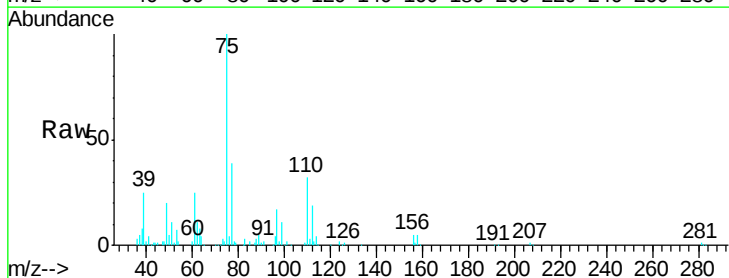
Acq: 1 Nov 2019 16:20

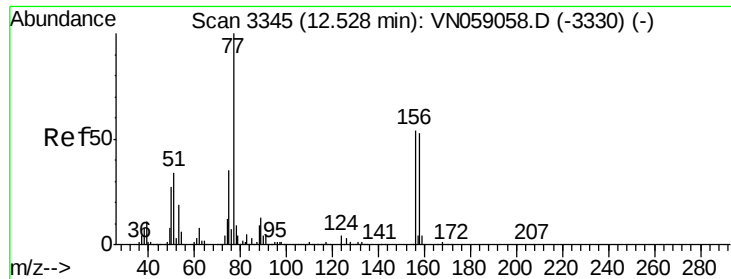
Tgt Ion: 75 Resp: 136494

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.103 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

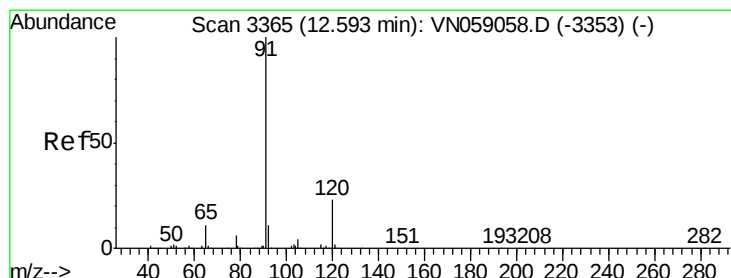
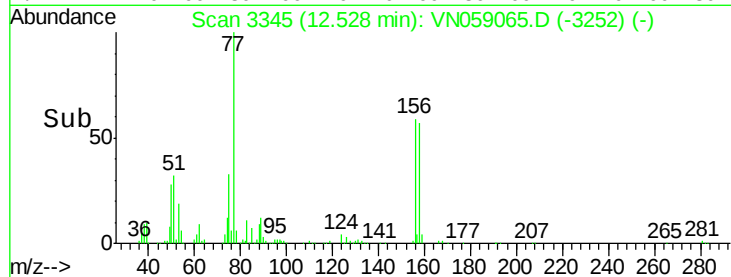
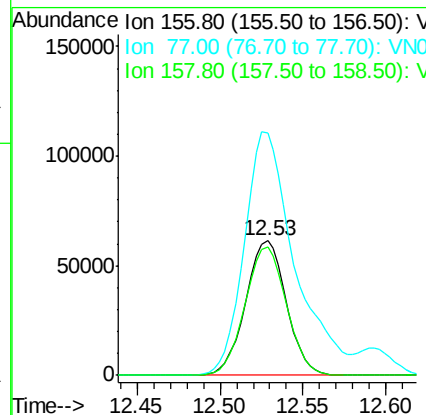
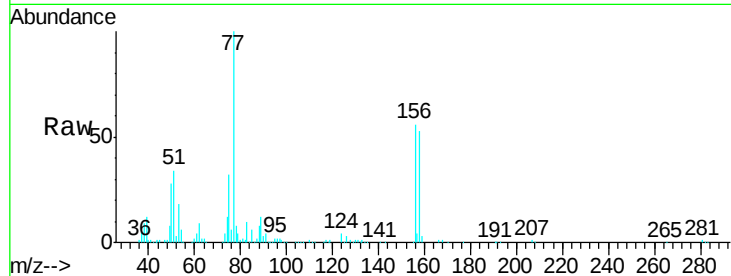
ClientSampleId :

VN1101WBS02

Tgt Ion:	156	Resp:	104433
Ion Ratio	Lower	Upper	
156	100		
77	224.7	114.2	342.6
158	97.1	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.644 ug/l

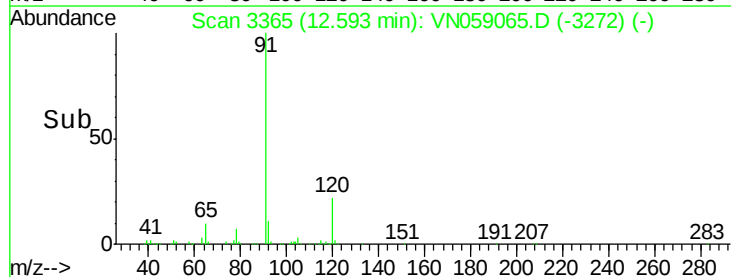
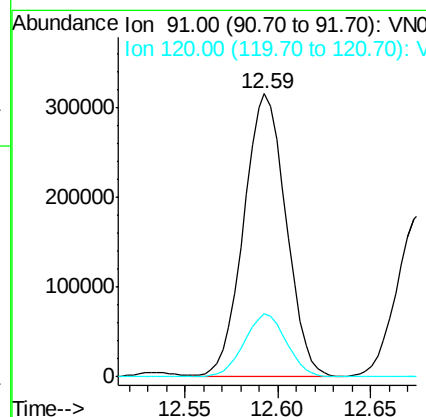
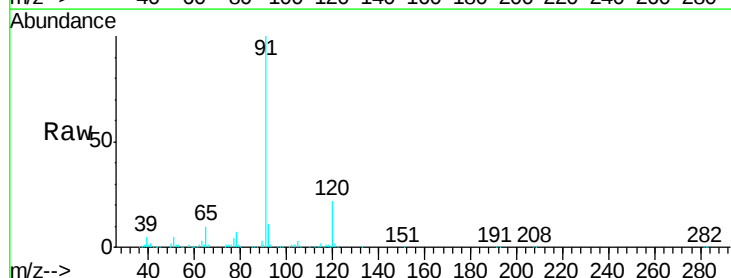
RT: 12.59 min Scan# 3365

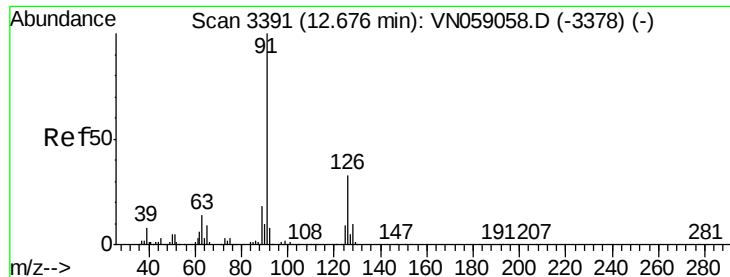
Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	91	Resp:	496751
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.966 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS02

Tgt Ion: 91 Resp: 298324

Ion Ratio Lower Upper

91 100

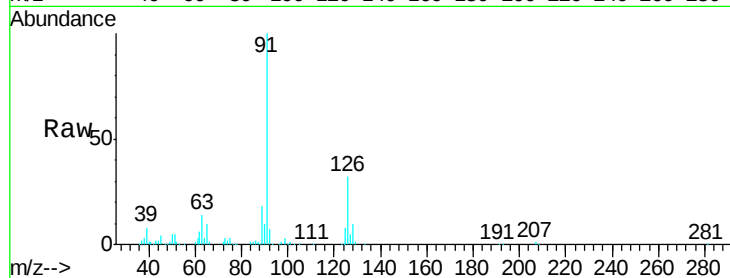
126 32.5 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059058.D (-3378) (-)

300000

200000

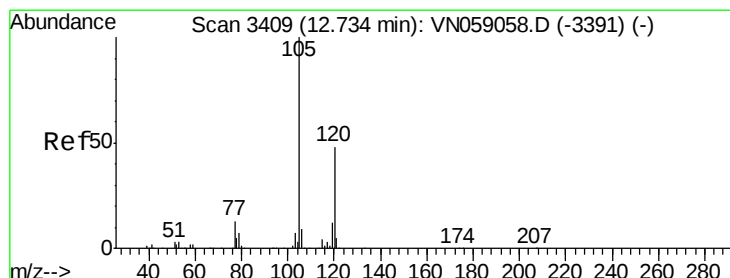
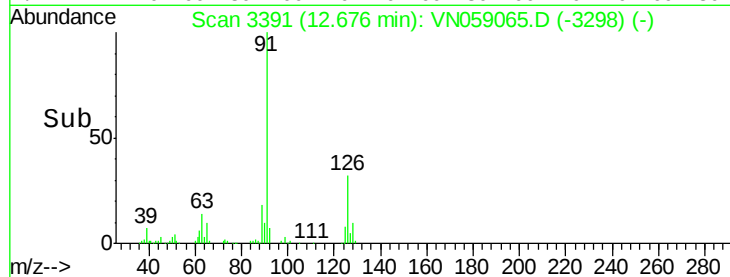
100000

0

12.68

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.331 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059065.D

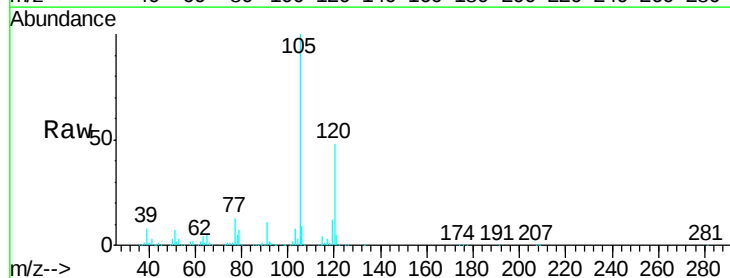
Acq: 1 Nov 2019 16:20

Tgt Ion: 105 Resp: 358996

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059058.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059058.D (-3391) (-)

250000

200000

150000

100000

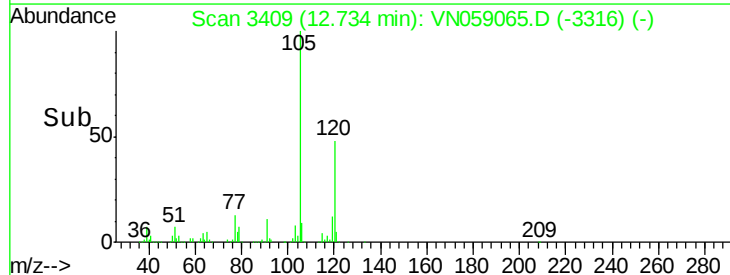
50000

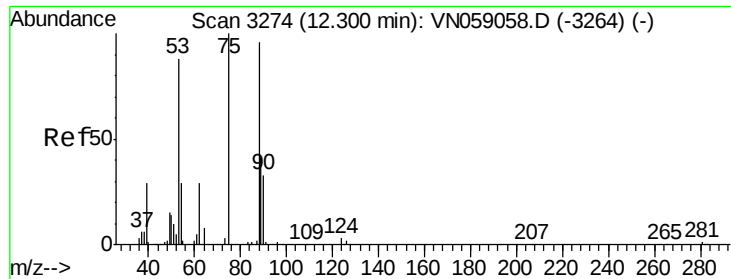
0

12.73

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.798 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

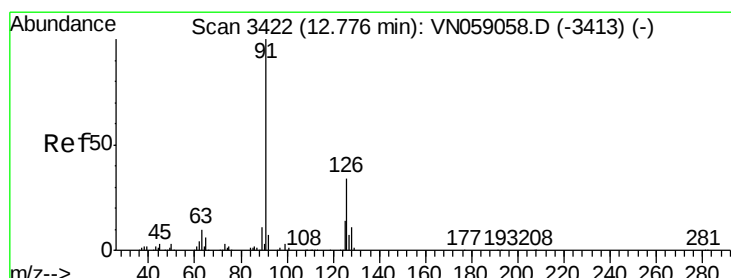
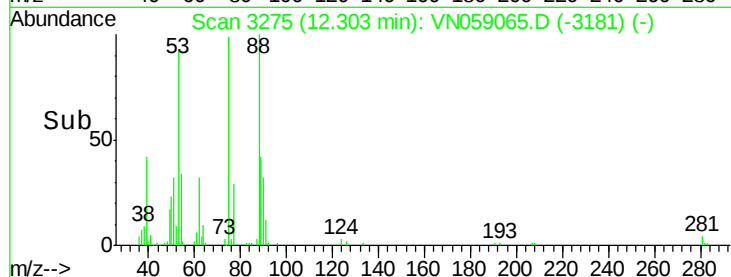
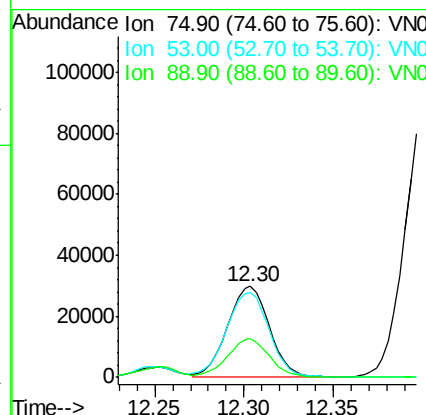
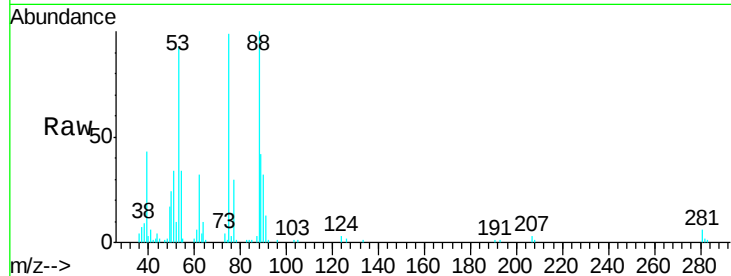
ClientSampleId :

VN1101WBS02

Tgt Ion:	75	Resp:	49005
Ion Ratio	Lower	Upper	
75	100		
53	94.5	70.4	105.6
89	42.2	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.786 ug/l

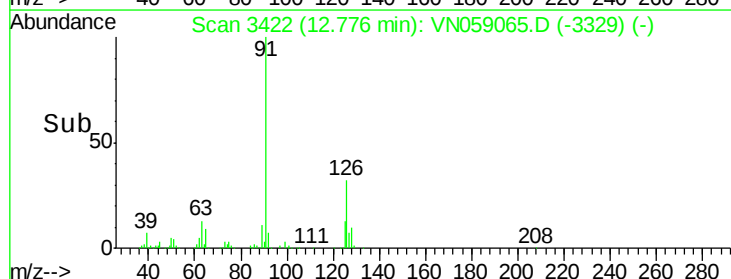
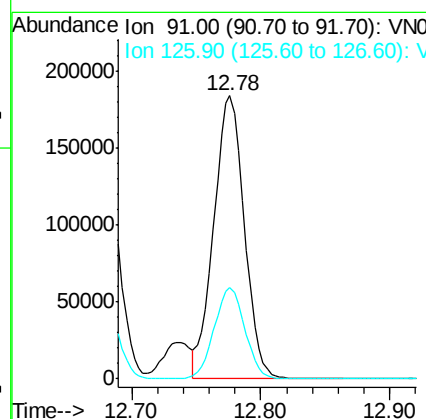
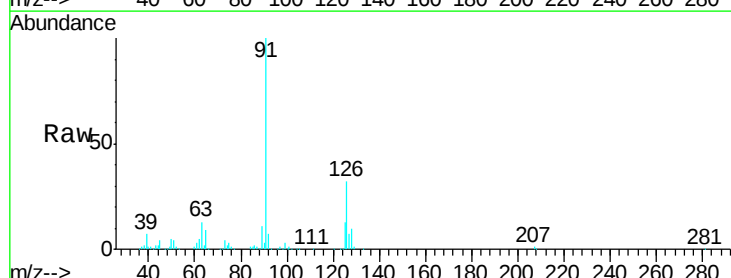
RT: 12.78 min Scan# 3422

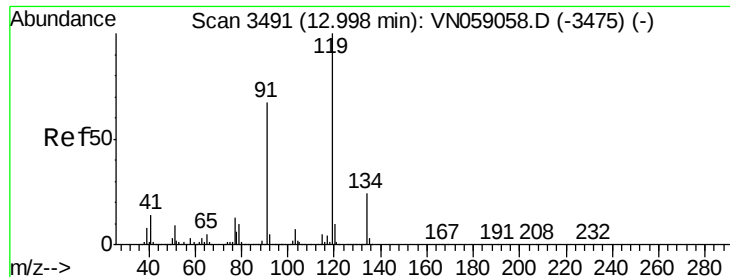
Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	91	Resp:	301709
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.0	47.9





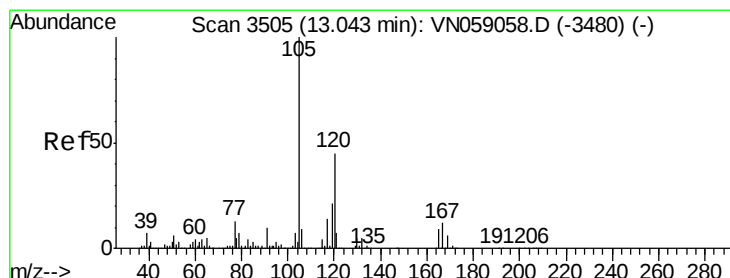
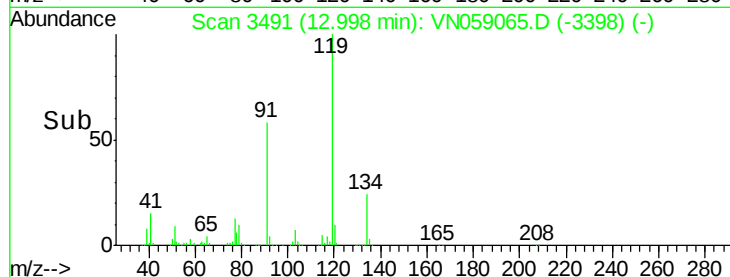
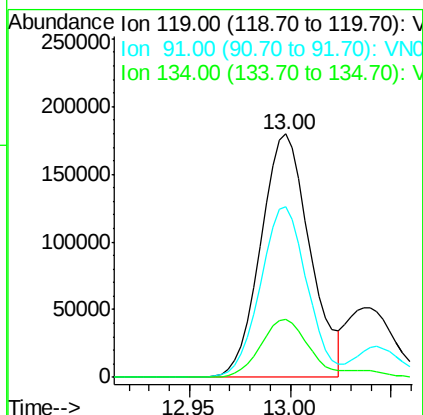
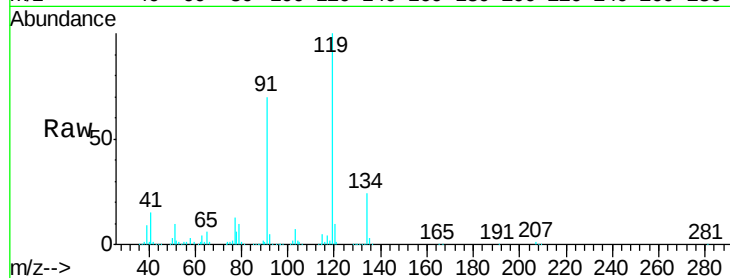
#83
 tert-Butylbenzene
 Concen: 20.313 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.7	101.0
134	23.4	12.9	38.7

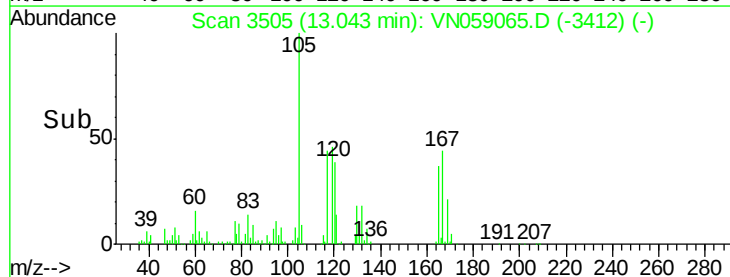
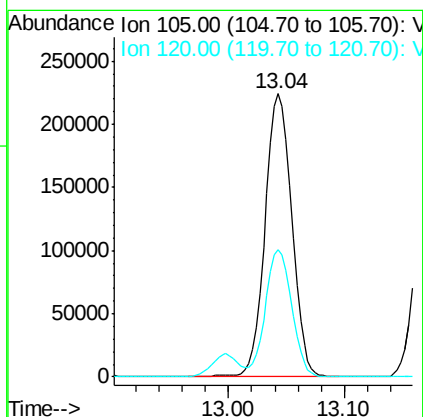
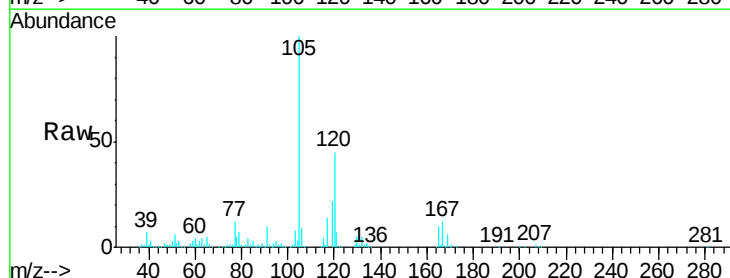
Manual Integrations
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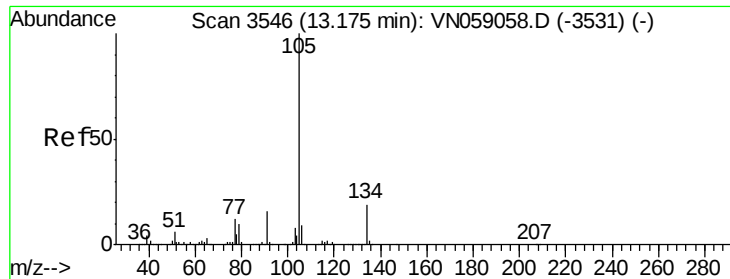
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.894 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9





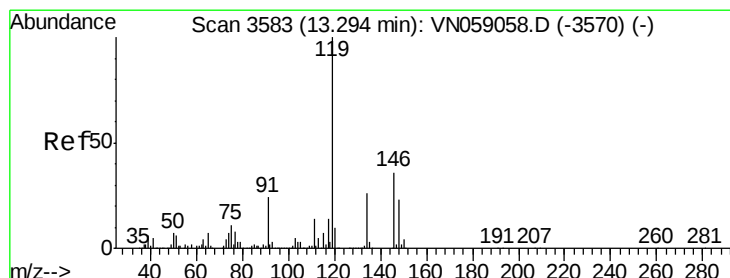
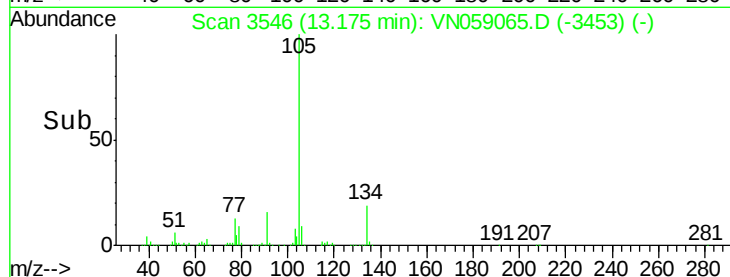
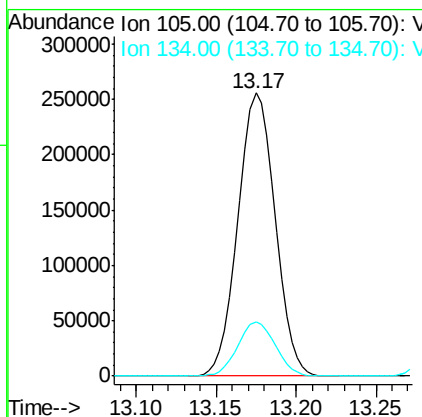
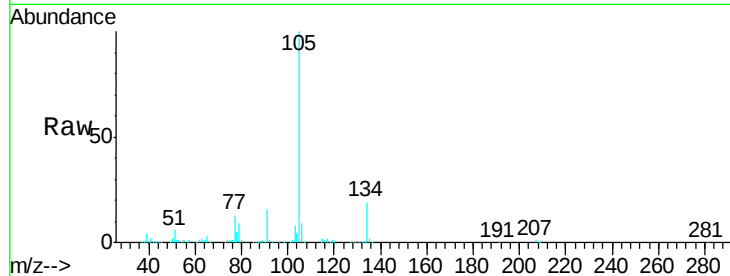
#85
 sec-Butylbenzene
 Concen: 20.561 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

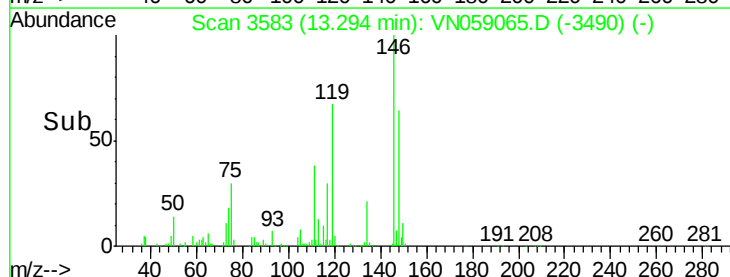
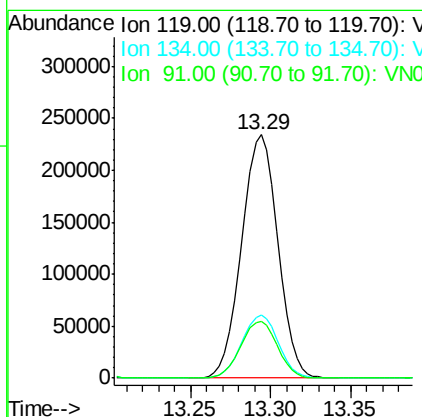
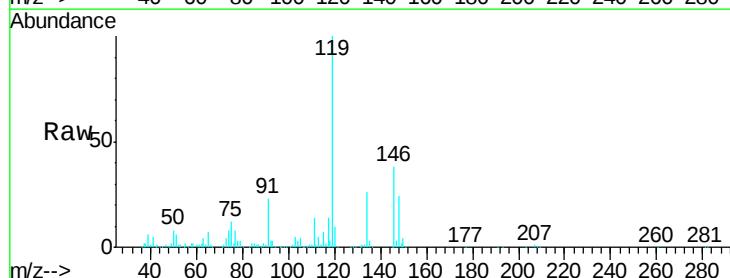
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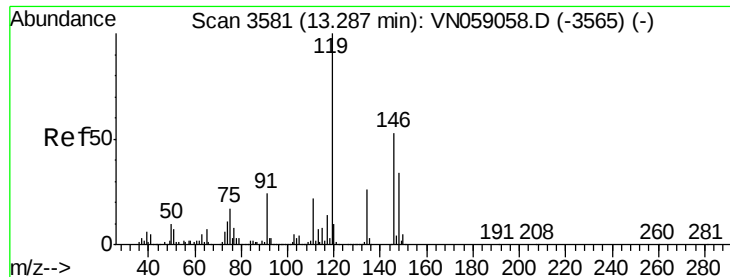
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#86
 p-Isopropyltoluene
 Concen: 20.341 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.7	12.0	36.0





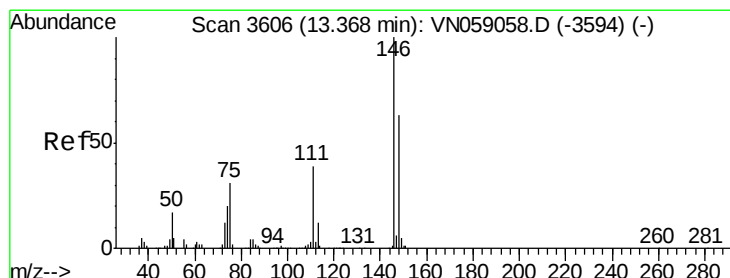
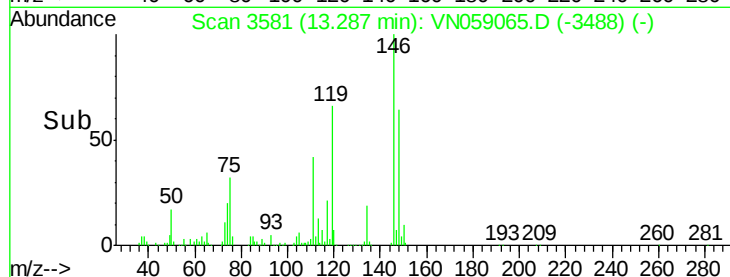
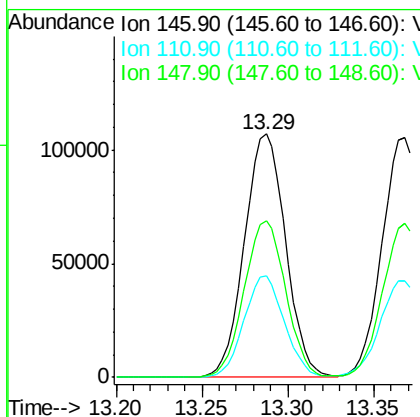
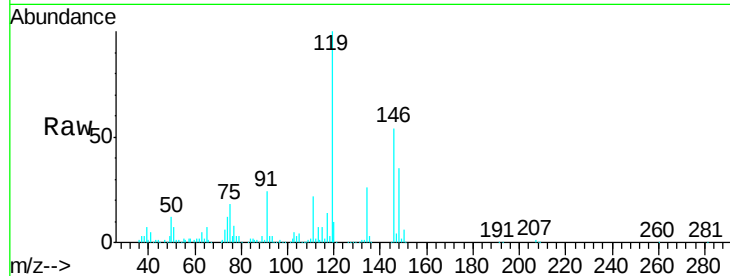
#87
 1,3-Dichlorobenzene
 Concen: 19.322 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	64.6	31.8	95.3

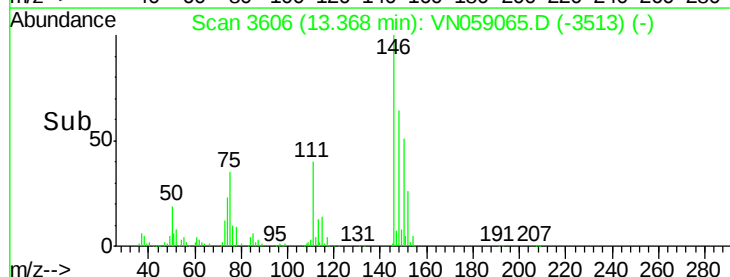
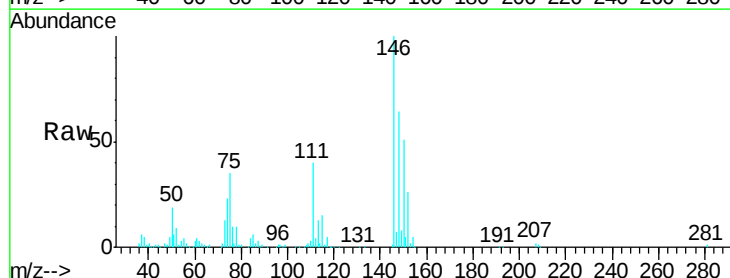
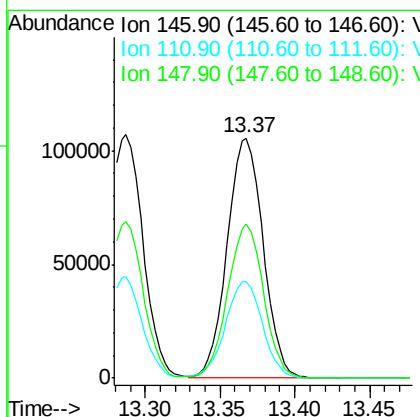
Manual Integrations
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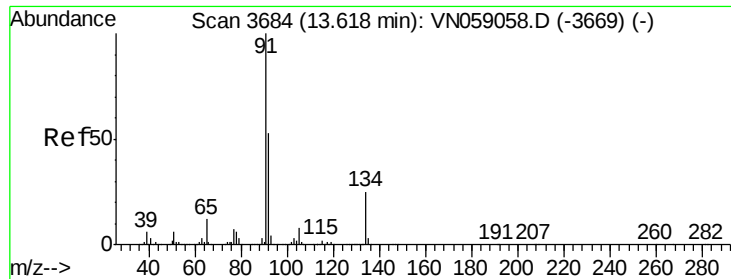
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 11/5/2019 1:59:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.445 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.2
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 19.659 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Instrument :

MSVOA_N

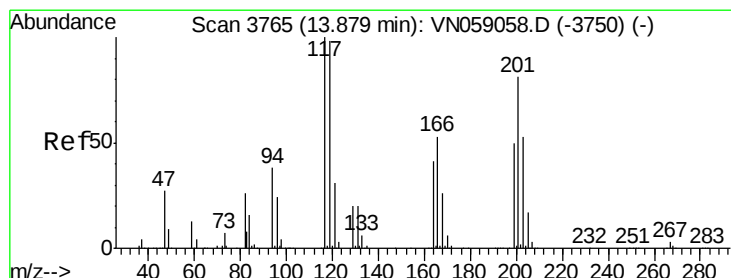
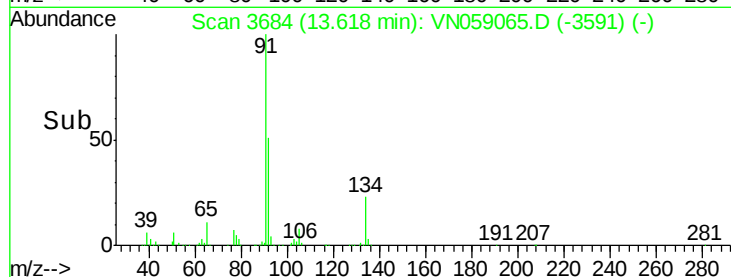
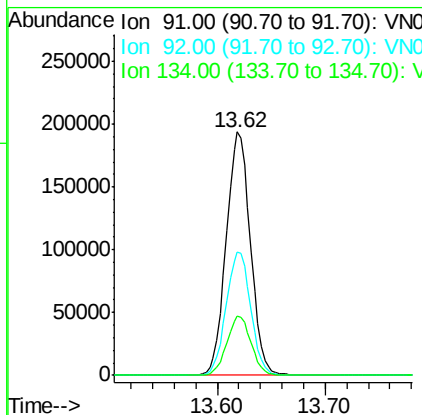
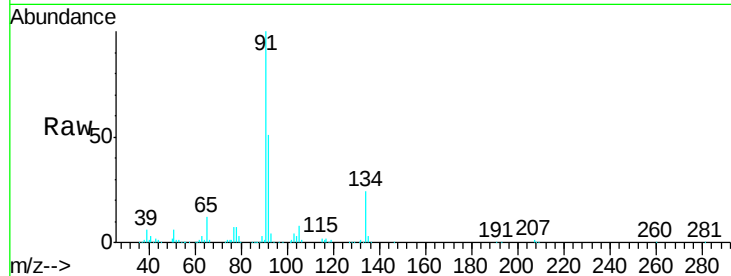
ClientSampleId :

VN1101WBS02

Tgt Ion:	91	Resp:	303607
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.4	79.0
134	24.2	12.5	37.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.950 ug/l

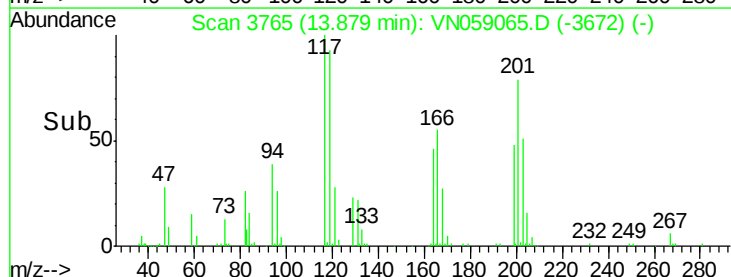
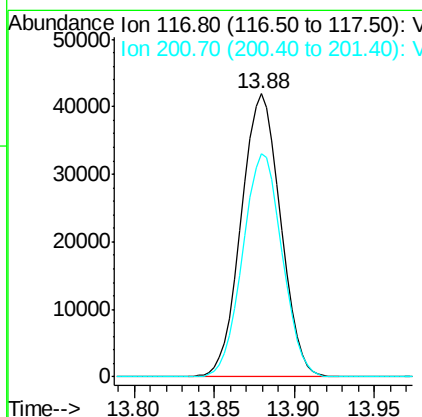
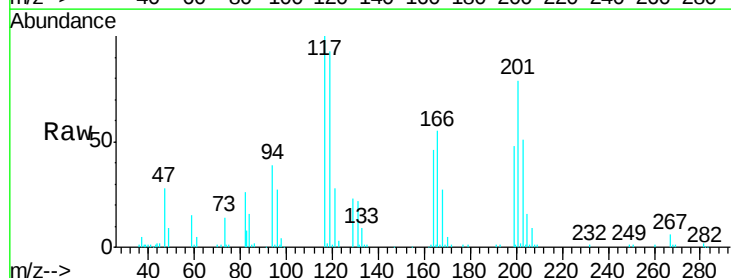
RT: 13.88 min Scan# 3765

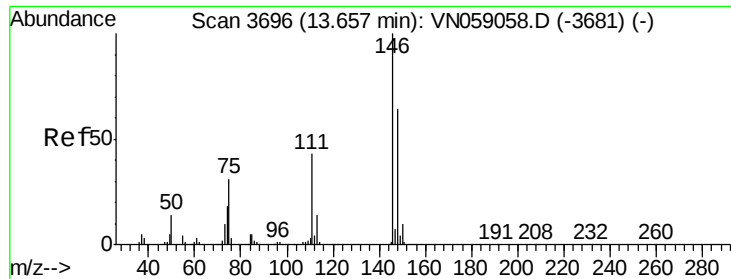
Delta R.T. -0.00 min

Lab File: VN059065.D

Acq: 1 Nov 2019 16:20

Tgt Ion:	117	Resp:	70286
Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.7	122.1





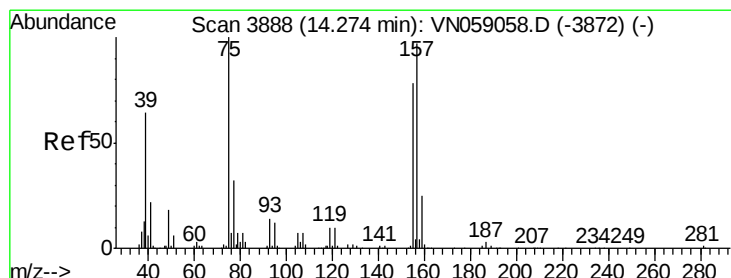
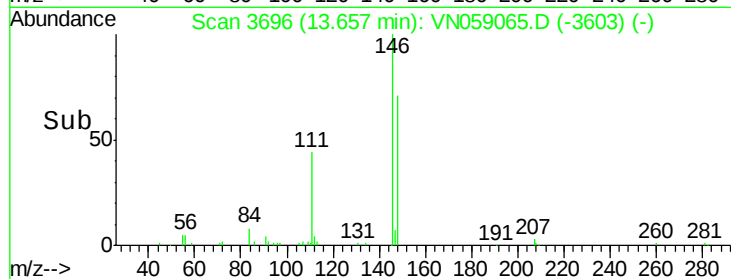
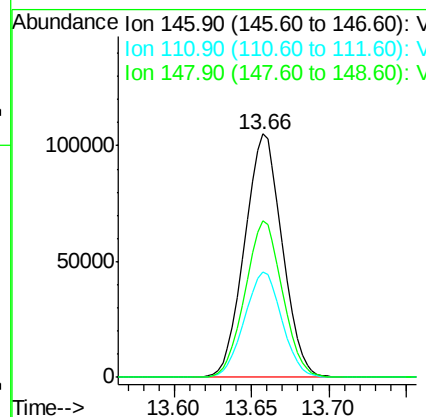
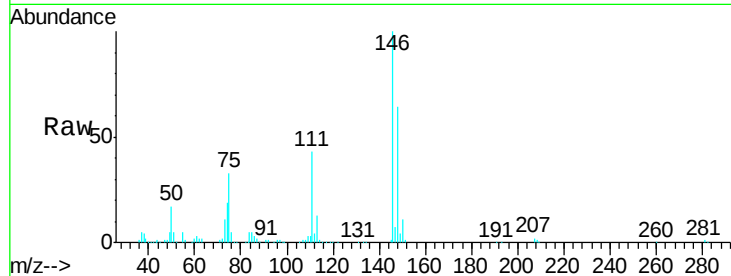
#91
 1,2-Dichlorobenzene
 Concen: 19.416 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178322		
111	42.8	21.2	63.6	
148	63.7	32.1	96.3	

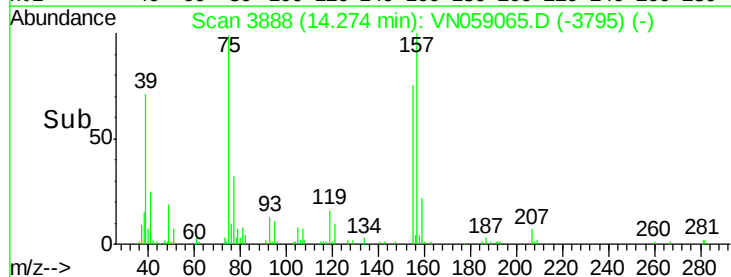
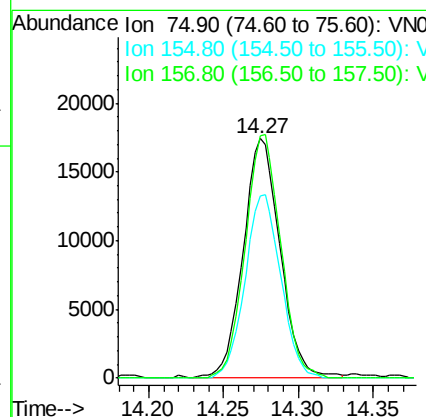
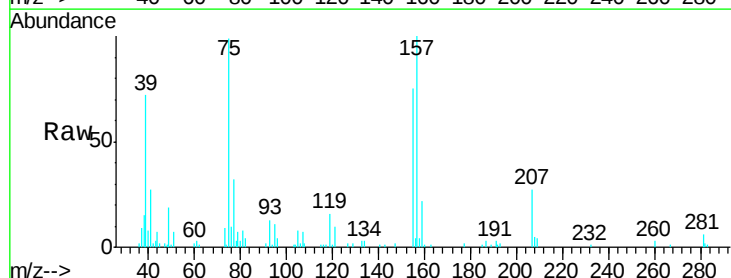
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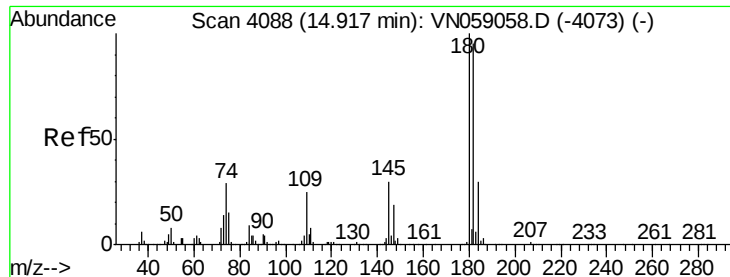
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.808 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30066		
155	73.6	39.7	119.1	
157	97.3	51.0	153.0	





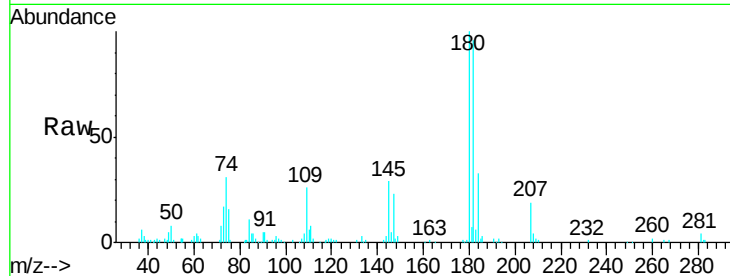
#93
 1,2,4-Trichlorobenzene
 Concen: 18.633 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

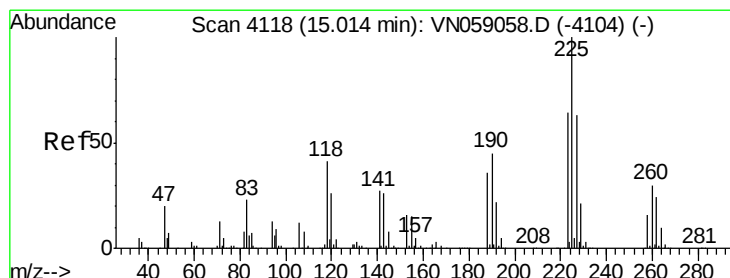
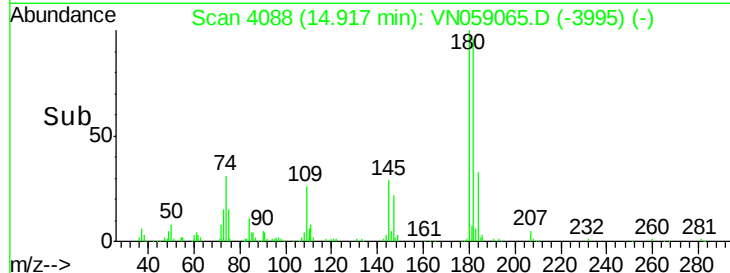
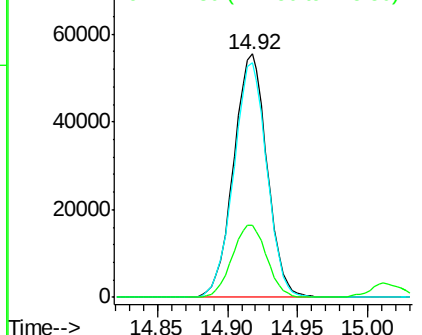
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92299		
182	95.3	47.8	143.4	
145	30.5	15.1	45.3	

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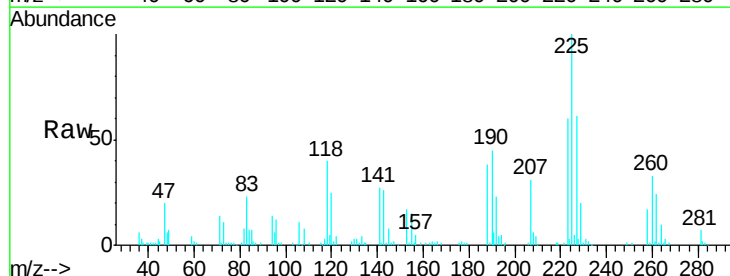


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

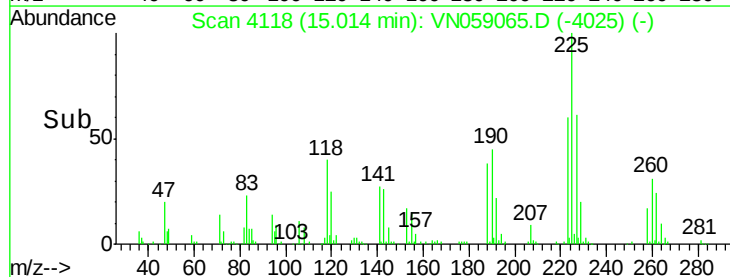
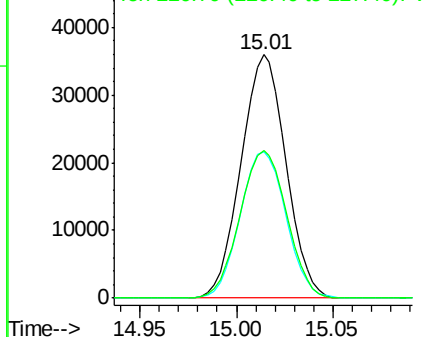


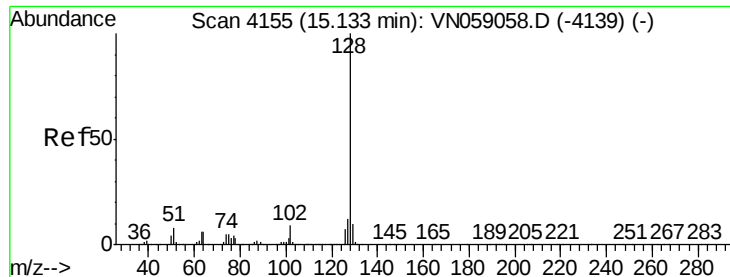
#94
 Hexachlorobutadiene
 Concen: 19.545 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059065.D
 Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58107		
223	61.3	31.6	95.0	
227	63.0	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





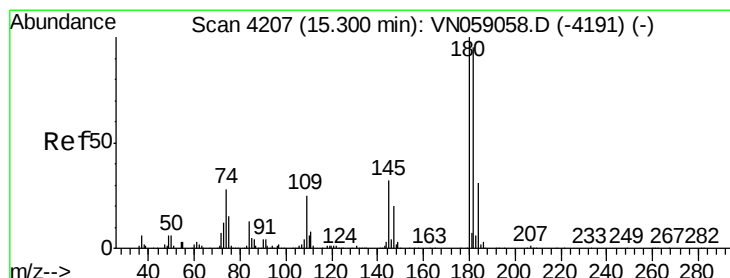
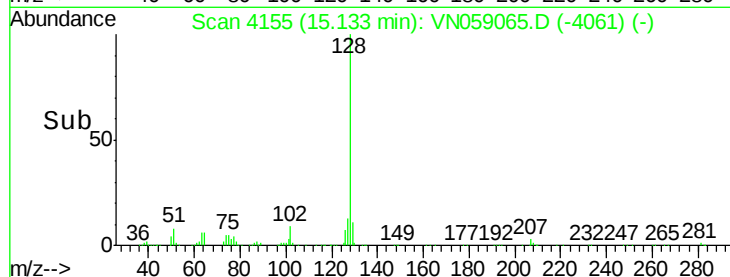
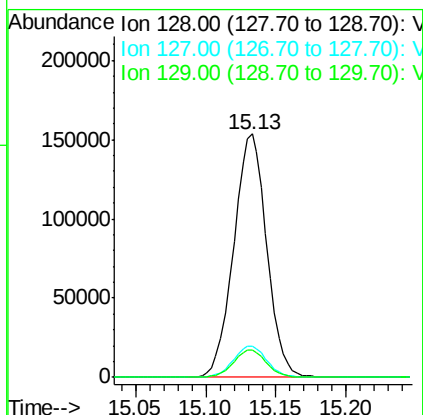
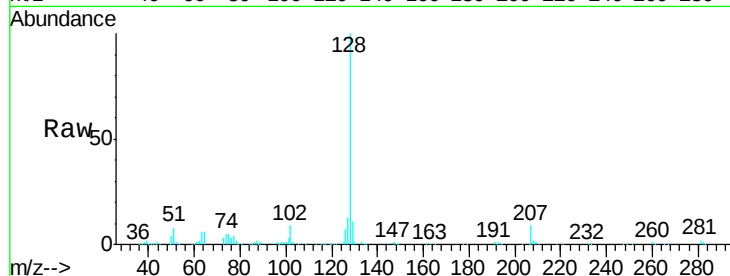
#95
Naphthalene
Concen: 18.314 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.2	9.9	14.9
129	11.1	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 19.035 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059065.D
Acq: 1 Nov 2019 16:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	47.7	143.1
145	32.0	16.0	48.0

