

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059321.D
 Acq On : 20 Nov 2019 12:30
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:53 AM

Quant Time: Nov 20 15:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	380870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	236999	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.57	113	191012	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.08	98	759903	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.40	95	264677	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257480	67.097	ug/l	99
3) Chloromethane	2.04	50	300850	57.674	ug/l	100
4) Vinyl Chloride	2.17	62	324279	64.120	ug/l	100
5) Bromomethane	2.54	94	171421	58.901	ug/l	100
6) Chloroethane	2.68	64	163263	54.572	ug/l	98
7) Trichlorofluoromethane	3.00	101	331166	54.746	ug/l	98
8) Diethyl Ether	3.39	74	136931	55.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205719	56.403	ug/l	99
10) Methyl Iodide	3.93	142	269356	59.664	ug/l	99
11) Tert butyl alcohol	4.75	59	235850	264.328	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207506	58.404	ug/l	99
13) Acrolein	3.58	56	212243	461.365	ug/l	99
14) Allyl chloride	4.30	41	390541	53.512	ug/l	98
15) Acrylonitrile	4.96	53	624219	281.112	ug/l	99
16) Acetone	3.79	43	517573	212.585	ug/l	98
17) Carbon Disulfide	4.03	76	658710	59.725	ug/l	99
18) Methyl Acetate	4.30	43	353963	61.251	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	691751	56.551	ug/l	100
20) Methylene Chloride	4.52	84	228272	53.818	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223688	58.654	ug/l	95
22) Diisopropyl ether	5.92	45	752043	54.555	ug/l	99
23) Vinyl Acetate	5.87	43	3038674	284.420	ug/l	99
24) 1,1-Dichloroethane	5.82	63	423018	54.942	ug/l	99
25) 2-Butanone	6.81	43	833254	259.682	ug/l	100
26) 2,2-Dichloropropane	6.80	77	354872	52.711	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	250482	56.612	ug/l	98
28) Bromochloromethane	7.17	49	164125	70.853	ug/l	98
29) Tetrahydrofuran	7.19	42	574166	281.615	ug/l	97
30) Chloroform	7.35	83	403736	54.664	ug/l	99
31) Cyclohexane	7.63	56	399253	54.776	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	345098	55.575	ug/l	99
36) 1,1-Dichloropropene	7.78	75	320492	56.887	ug/l	100
37) Ethyl Acetate	6.90	43	341006	54.409	ug/l	98
38) Carbon Tetrachloride	7.75	117	308196	54.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	391124	59.818	ug/l	98
40) Benzene	8.02	78	947415	55.844	ug/l	99
41) Methacrylonitrile	7.16	41	164478m	60.351	ug/l	
42) 1,2-Dichloroethane	8.11	62	310947	53.439	ug/l	99
43) Isopropyl Acetate	8.15	43	535346	53.578	ug/l	98
44) Trichloroethene	8.82	130	236933	56.813	ug/l	96
45) 1,2-Dichloropropane	9.11	63	250395	54.338	ug/l	98
46) Dibromomethane	9.20	93	153750	53.543	ug/l	98
47) Bromodichloromethane	9.39	83	312489	54.498	ug/l	97
48) Methyl methacrylate	9.19	41	244704	54.751	ug/l	98
49) 1,4-Dioxane	9.19	88	70190	883.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1665611	294.606	ug/l	99
52) Toluene	10.15	92	571858	56.238	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	359106	54.207	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395029	55.435	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	220425	53.562	ug/l	99
56) Ethyl methacrylate	10.42	69	352521	57.709	ug/l	97
57) 1,3-Dichloropropane	10.70	76	387014	54.640	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	592487	258.696	ug/l	99
59) 2-Hexanone	10.75	43	1218520	280.799	ug/l	99
60) Dibromochloromethane	10.90	129	240522	55.279	ug/l	100
61) 1,2-Dibromoethane	11.00	107	231872	55.658	ug/l	100
64) Tetrachloroethene	10.63	164	207797	56.828	ug/l	98
65) Chlorobenzene	11.43	112	584293	55.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	218960	55.682	ug/l	99
67) Ethyl Benzene	11.51	91	1074693	57.783	ug/l	99
68) m/p-Xylenes	11.62	106	805408	115.605	ug/l	99
69) o-Xylene	11.95	106	381001	56.589	ug/l	99
70) Styrene	11.96	104	620249	58.575	ug/l	99
71) Bromoform	12.13	173	169335	55.361	ug/l #	99
73) Isopropylbenzene	12.25	105	1031026	56.957	ug/l	100
74) N-amyl acetate	12.07	43	422054	55.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	333311	54.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	281928m	49.761	ug/l	
77) Bromobenzene	12.53	156	244985	53.867	ug/l	98
78) n-propylbenzene	12.59	91	1199127	57.854	ug/l	99
79) 2-Chlorotoluene	12.68	91	701006	54.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	863208	56.276	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	119489	55.705	ug/l	98
82) 4-Chlorotoluene	12.78	91	714540	55.407	ug/l	99
83) tert-Butylbenzene	12.99	119	733579	55.380	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	856052	57.685	ug/l	99
85) sec-Butylbenzene	13.17	105	993911	57.694	ug/l	100
86) p-Isopropyltoluene	13.29	119	895904	58.898	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	426846	54.808	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	422635	54.239	ug/l	99
89) n-Butylbenzene	13.62	91	770669	57.887	ug/l	100
90) Hexachloroethane	13.88	117	164335	53.802	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	417952	54.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67514	48.525	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245125	59.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	142806	54.061	ug/l	98
95) Naphthalene	15.13	128	653483	57.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246304	57.367	ug/l	100

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

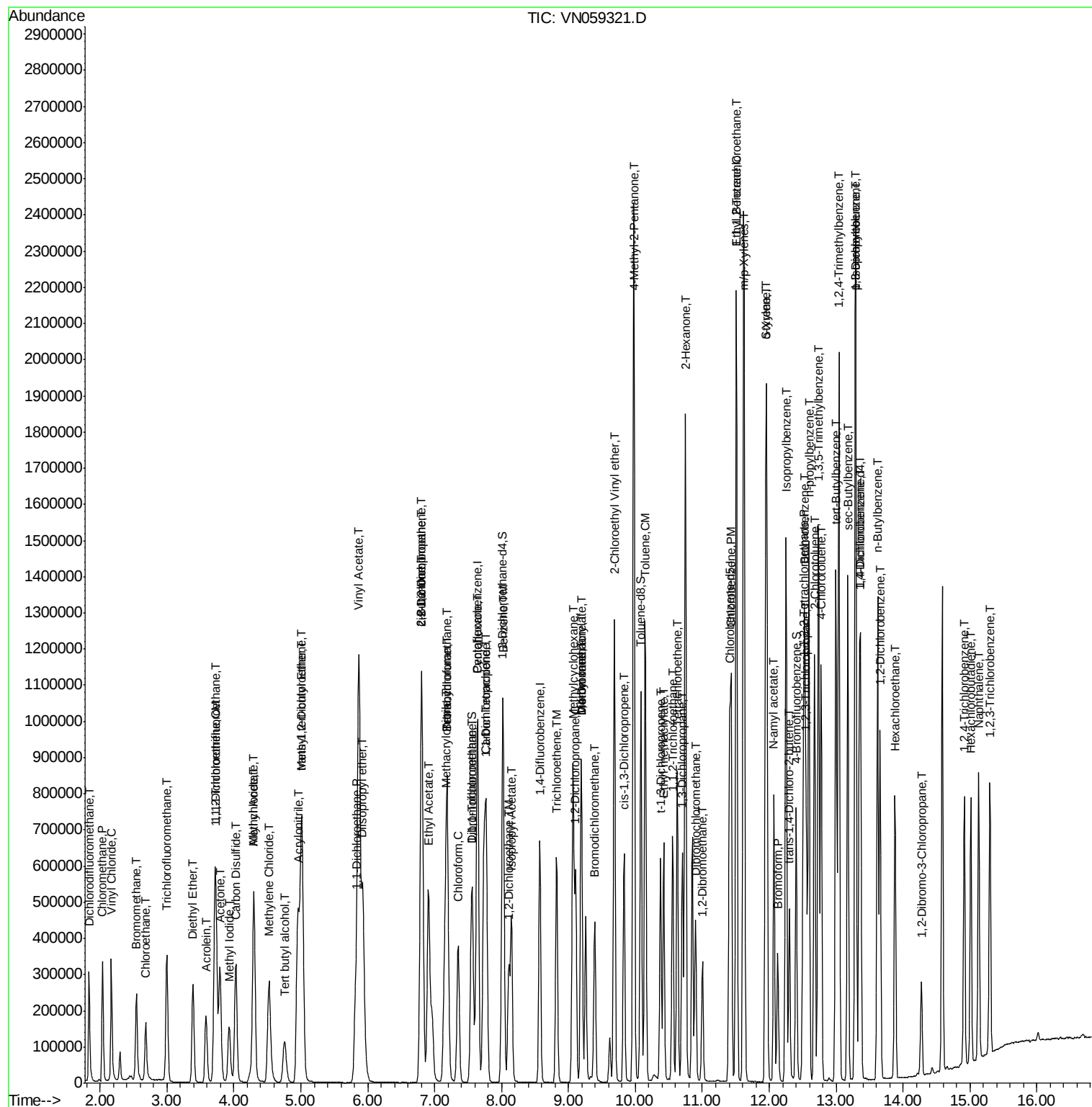
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Data File : VN059321.D
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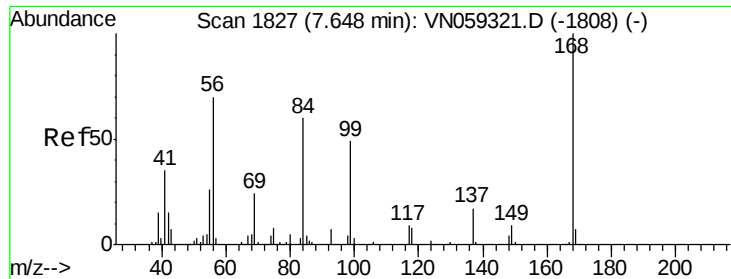
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 380870

Ion Ratio Lower Upper

168 100

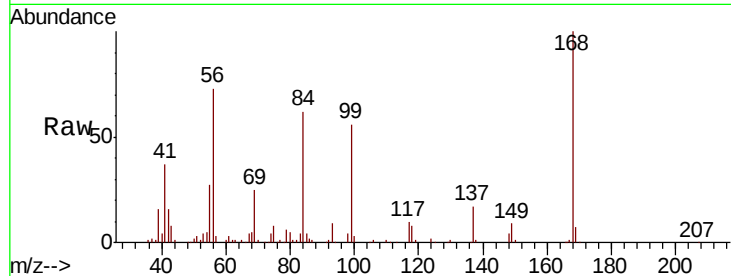
99 55.7 45.7 68.5

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

150000

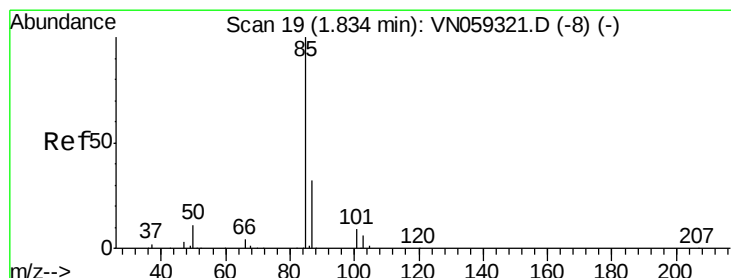
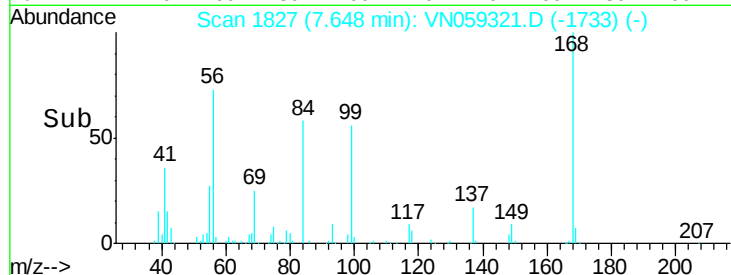
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 67.097 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059321.D

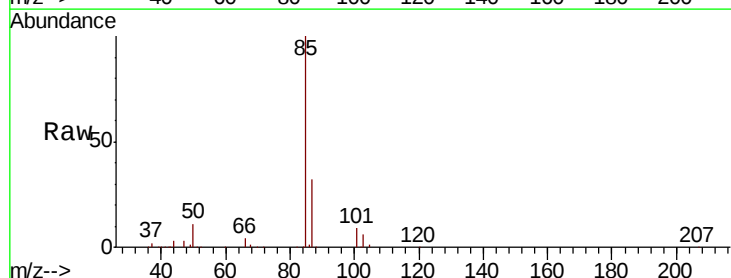
Acq: 20 Nov 2019 12:30

Tgt Ion: 85 Resp: 257480

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

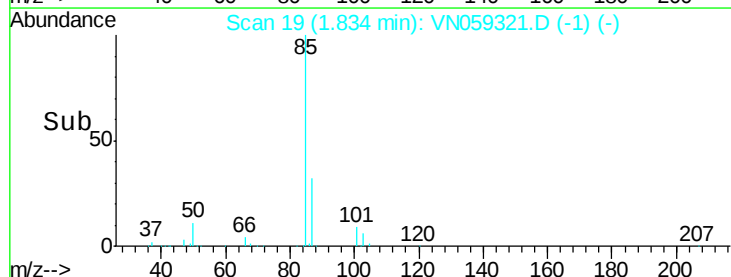
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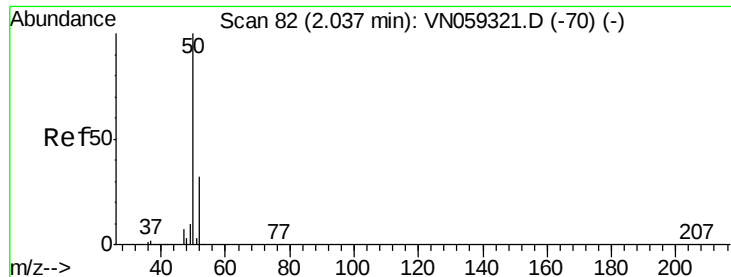
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 57.674 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 300850

Ion Ratio Lower Upper

50 100

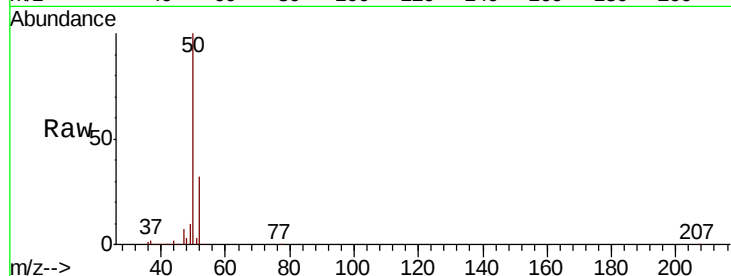
52 32.5 26.0 39.0

Manual Integrations

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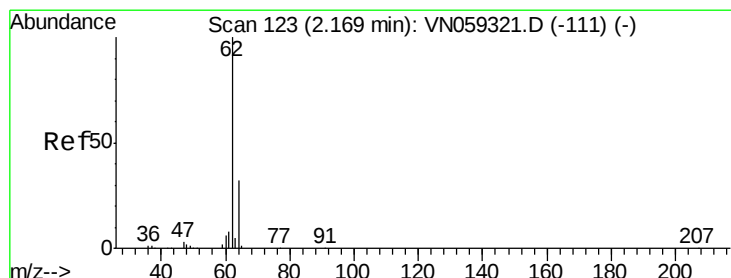
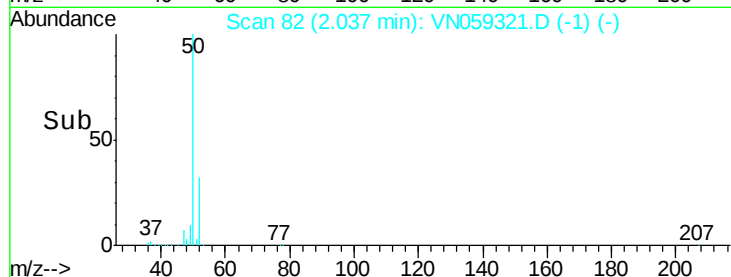
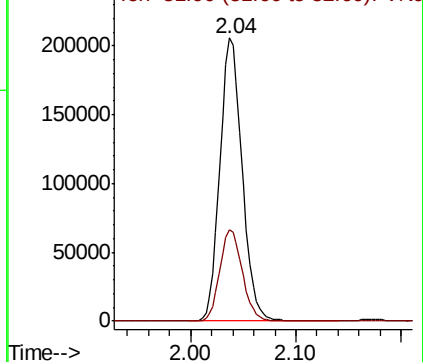
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 64.120 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059321.D

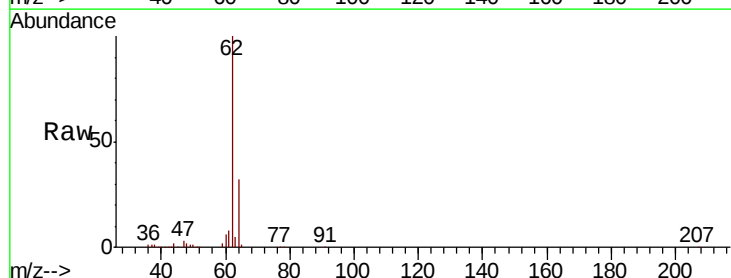
Acq: 20 Nov 2019 12:30

Tgt Ion: 62 Resp: 324279

Ion Ratio Lower Upper

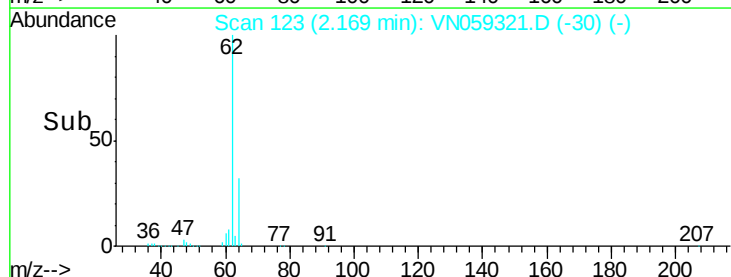
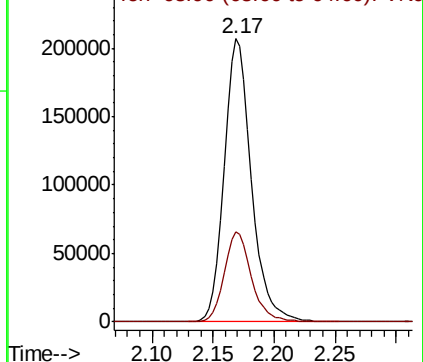
62 100

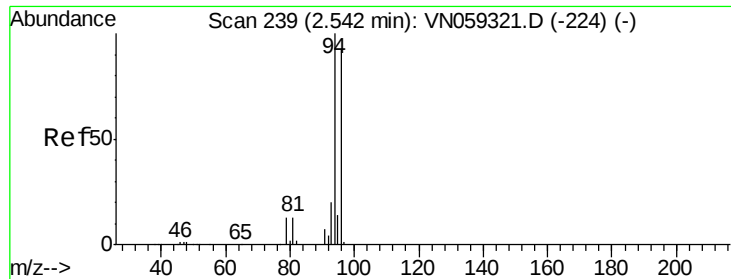
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 58.901 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 171421

Ion Ratio Lower Upper

94 100

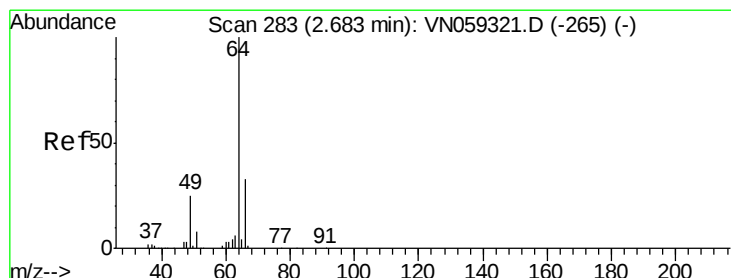
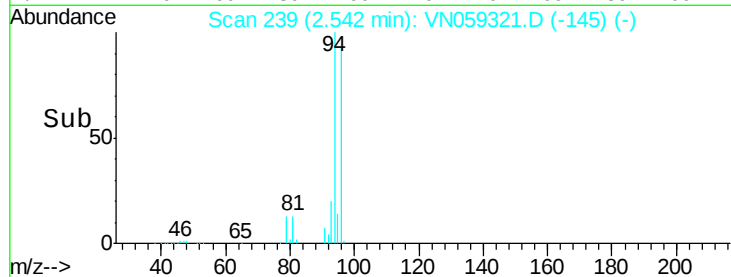
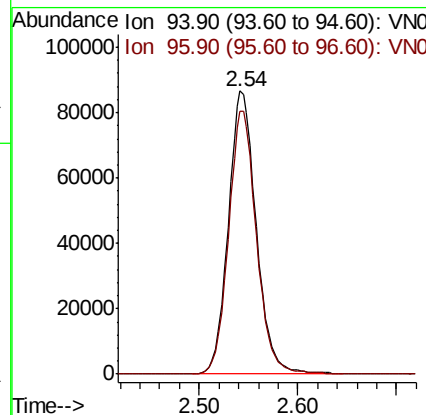
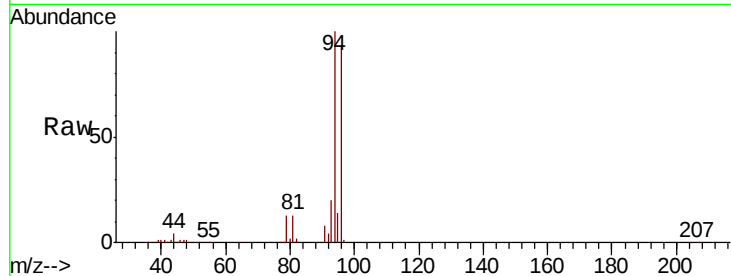
96 93.1 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 54.572 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059321.D

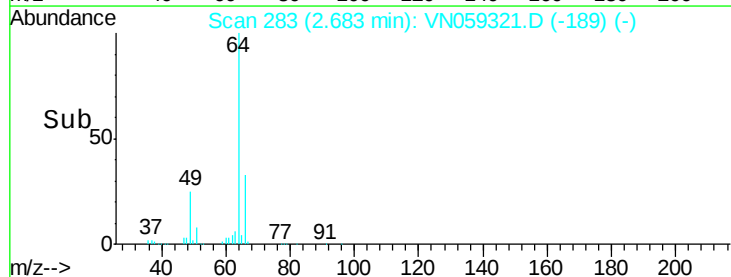
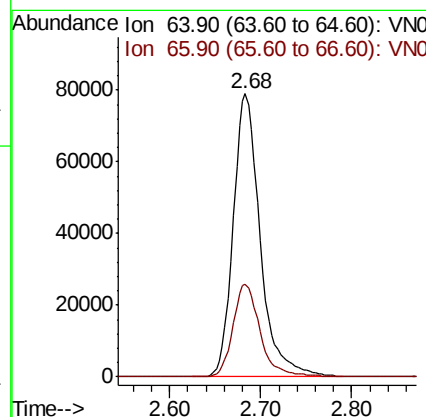
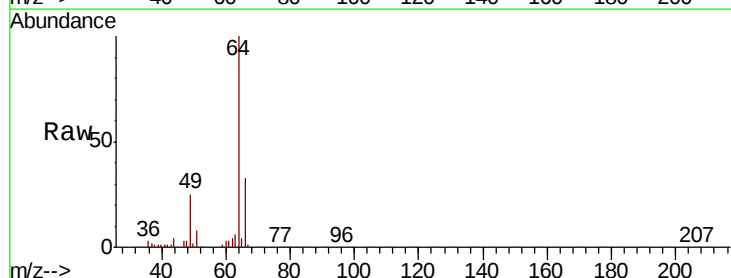
Acq: 20 Nov 2019 12:30

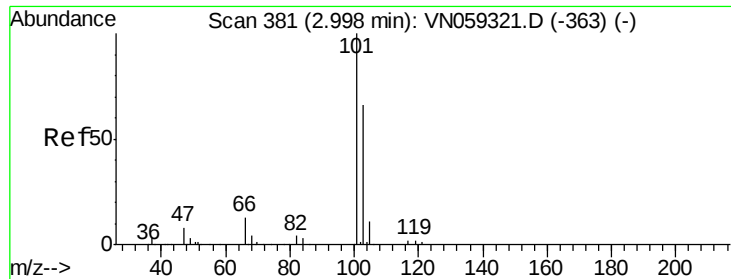
Tgt Ion: 64 Resp: 163263

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8





#7

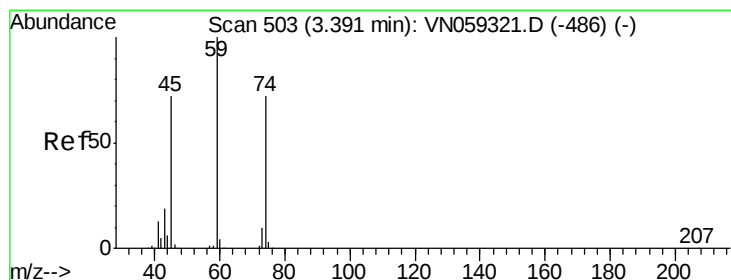
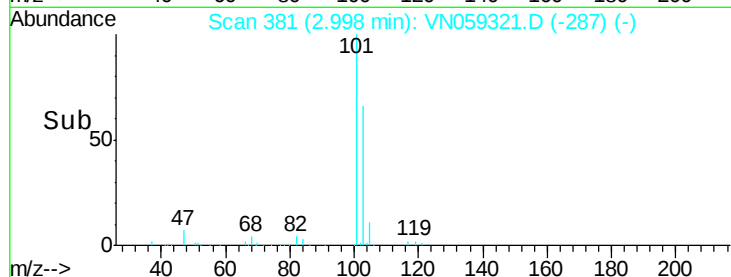
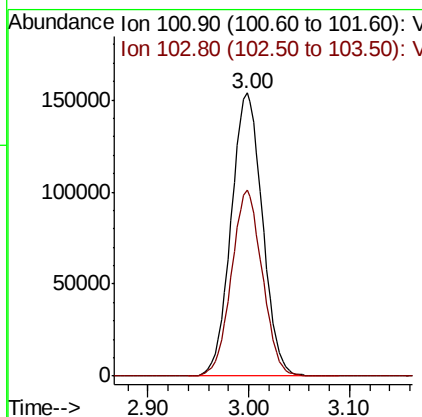
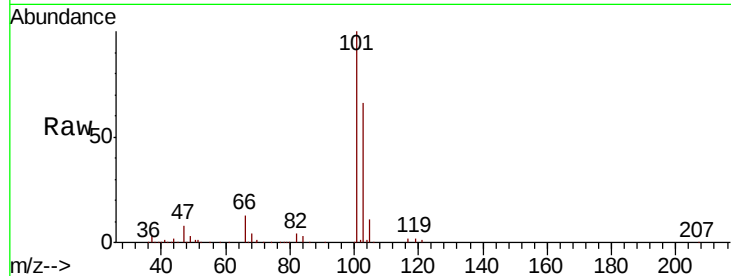
Trichlorofluoromethane
Concen: 54.746 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059321.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.2	76.8

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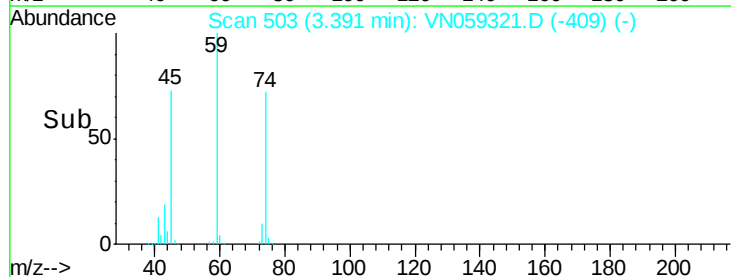
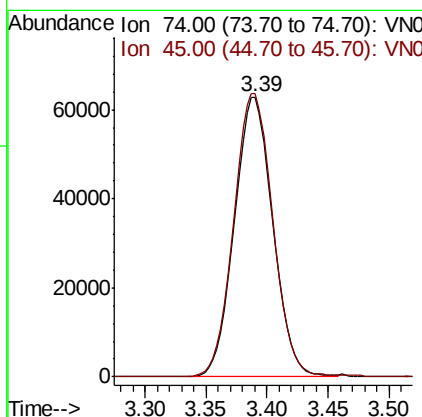
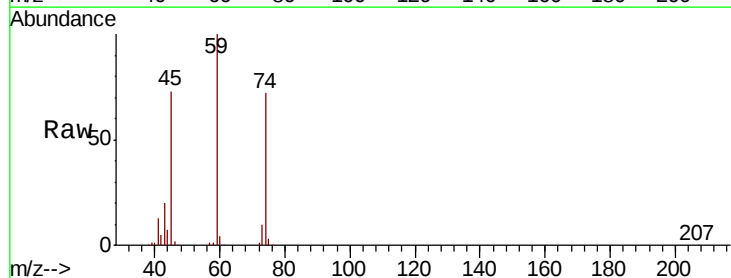
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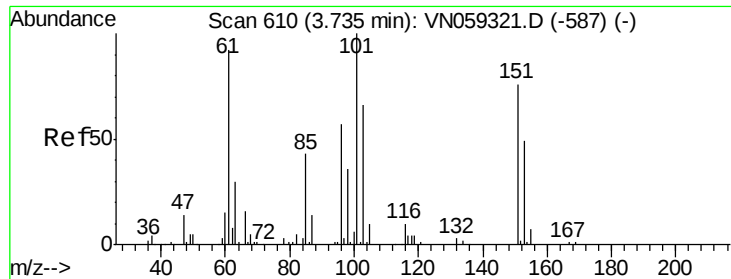


#8

Diethyl Ether
Concen: 55.710 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.403 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

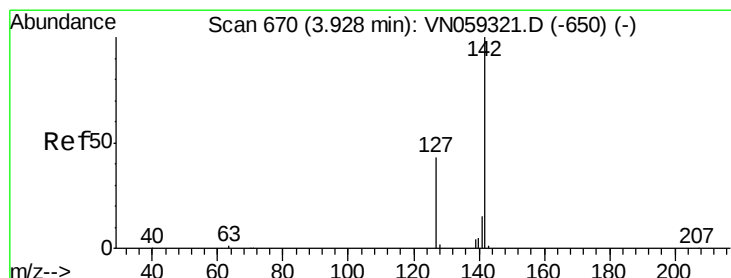
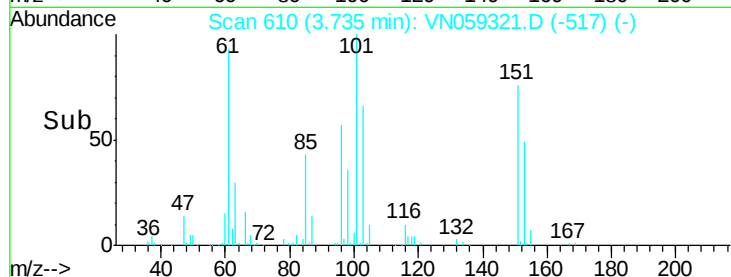
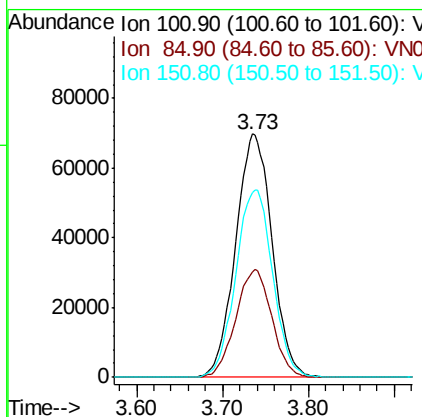
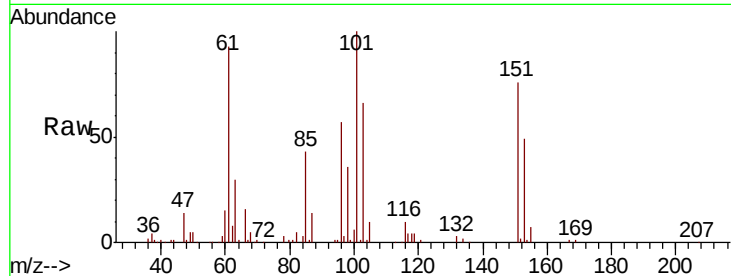
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	205719
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	77.8	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 59.664 ug/l

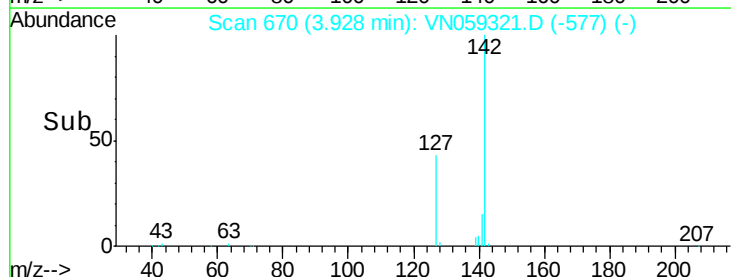
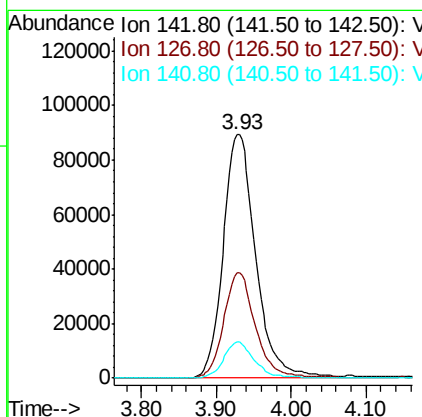
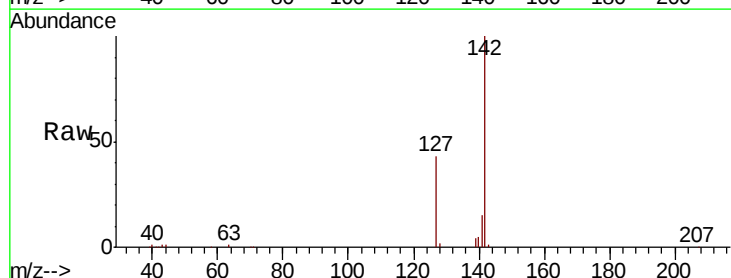
RT: 3.93 min Scan# 670

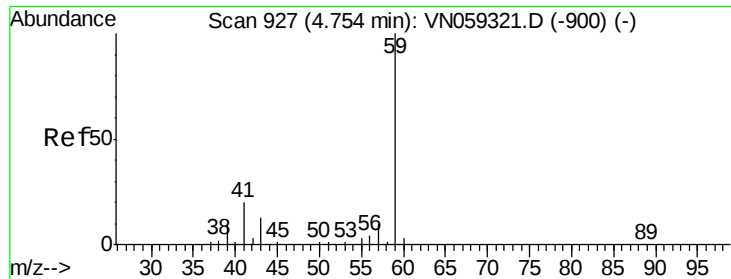
Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	142	Resp:	269356
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.2	51.2
141	14.0	11.4	17.0





#11

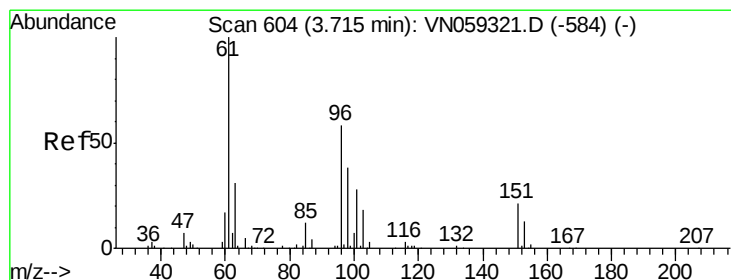
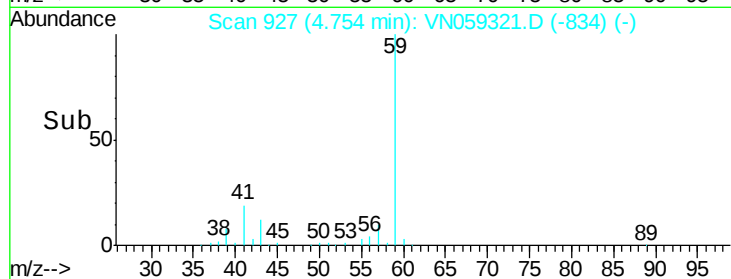
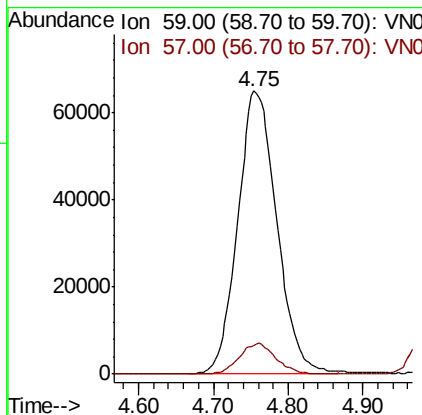
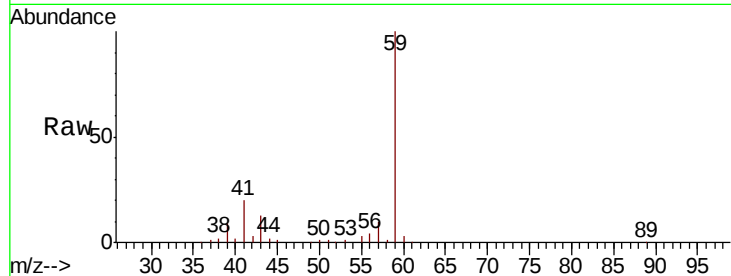
Tert butyl alcohol
 Concen: 264.328 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

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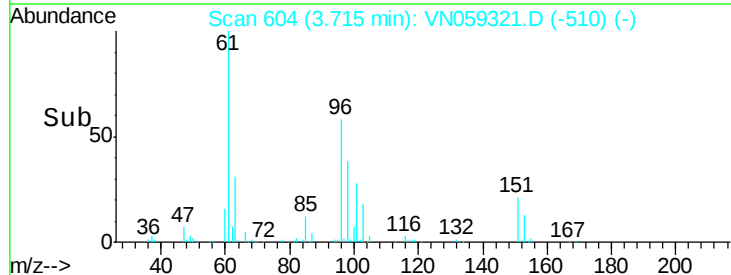
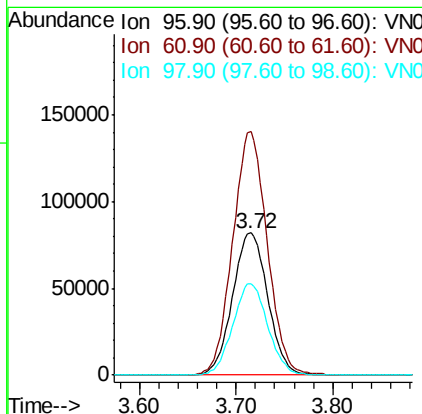
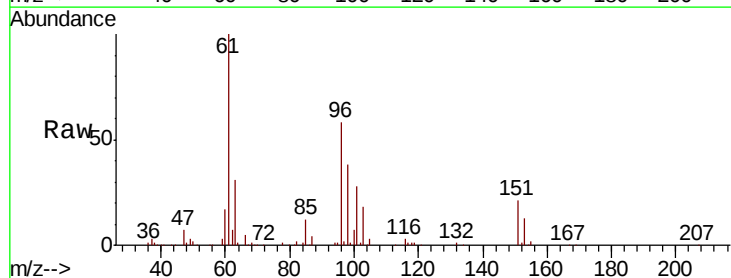
MMDadoda
 11/21/2019 11:07:53 AM

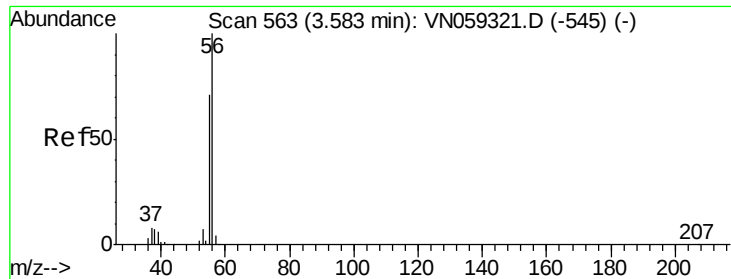


#12

1,1-Dichloroethene
 Concen: 58.404 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	136.5	204.7
98	64.5	50.2	75.4





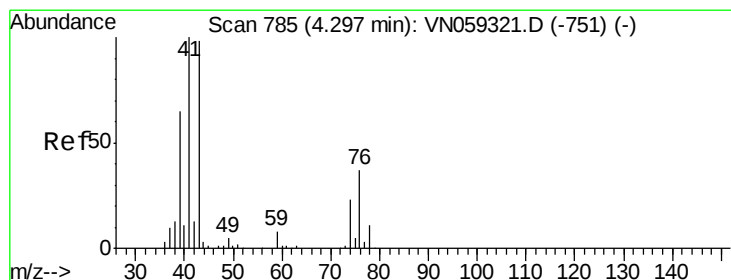
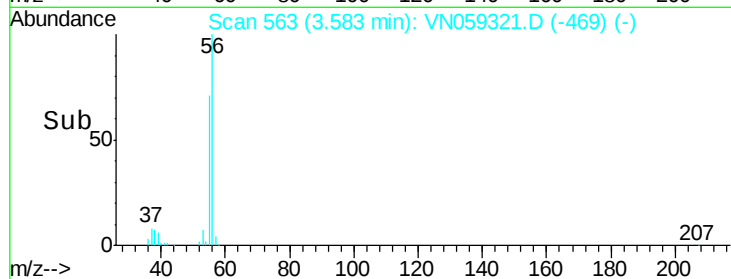
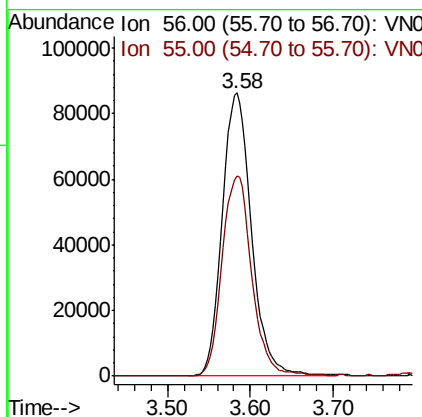
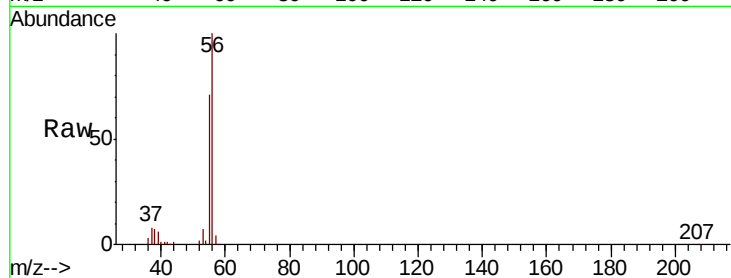
#13
Acrolein
Concen: 461.365 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.4	84.6

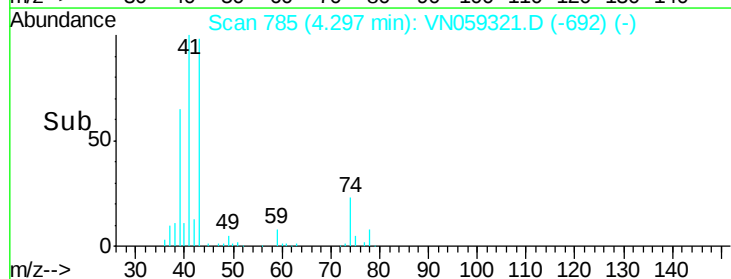
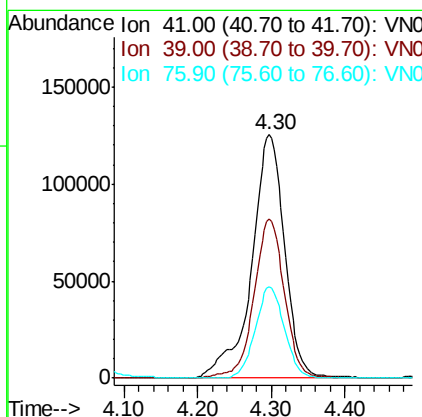
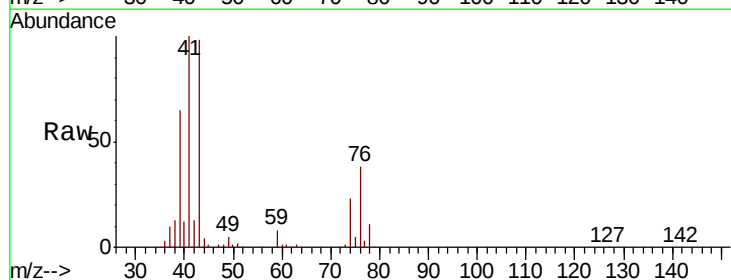
Manual Integrations
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#14
Allyl chloride
Concen: 53.512 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.5	49.1	73.7
76	32.8	24.9	37.3





#15

Acrylonitrile

Concen: 281.112 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

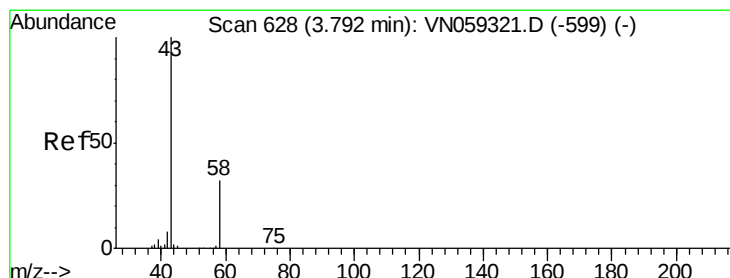
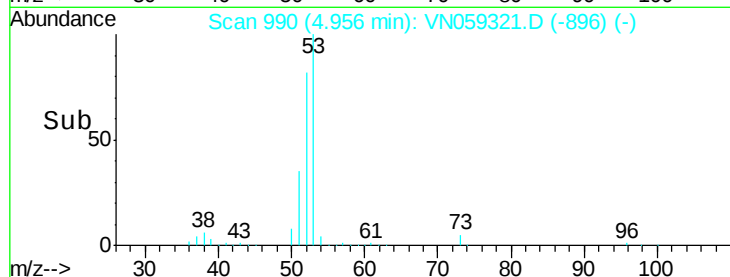
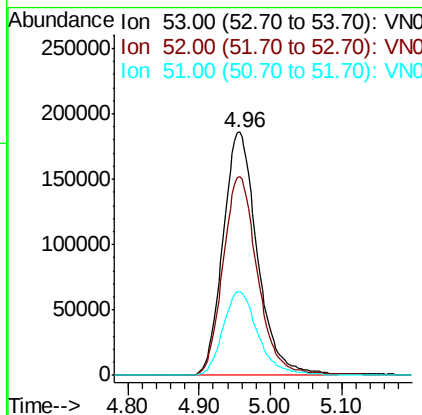
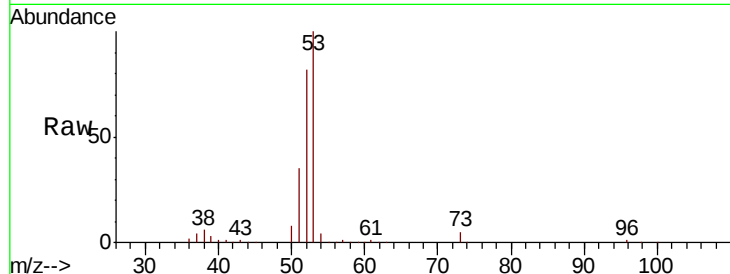
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	624219
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 212.585 ug/l

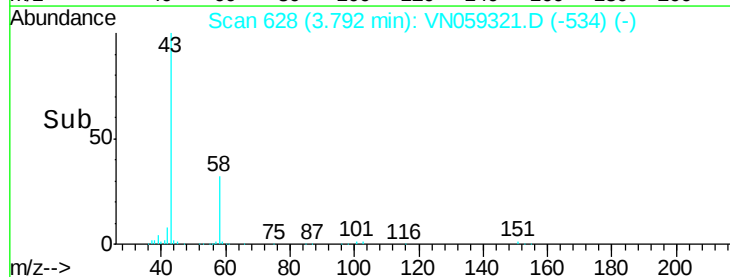
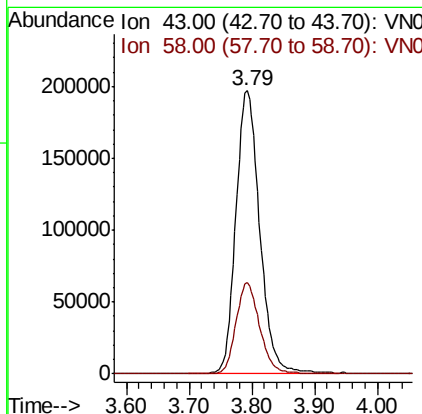
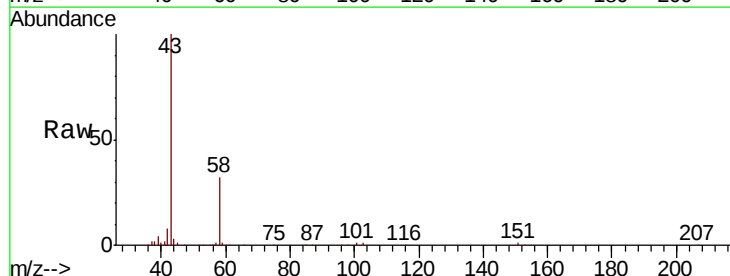
RT: 3.79 min Scan# 628

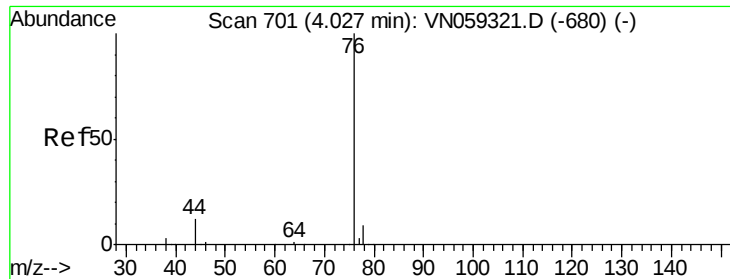
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	43	Resp:	517573
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.9	37.3





#17

Carbon Disulfide

Concen: 59.725 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 658710

Ion Ratio Lower Upper

76 100

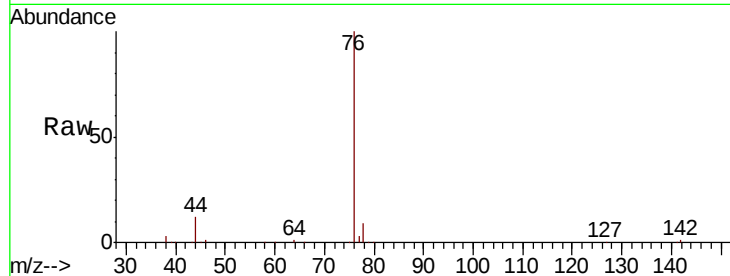
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

250000

200000

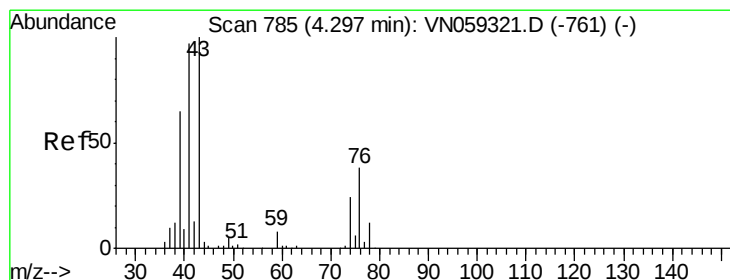
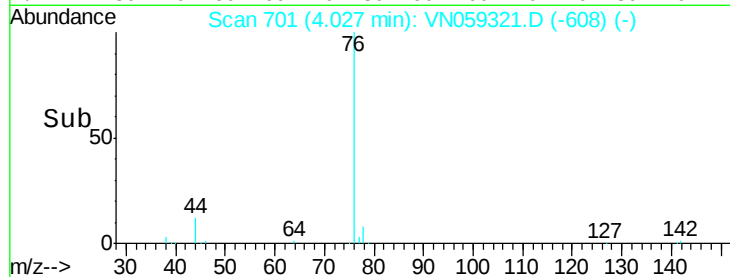
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 61.251 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059321.D

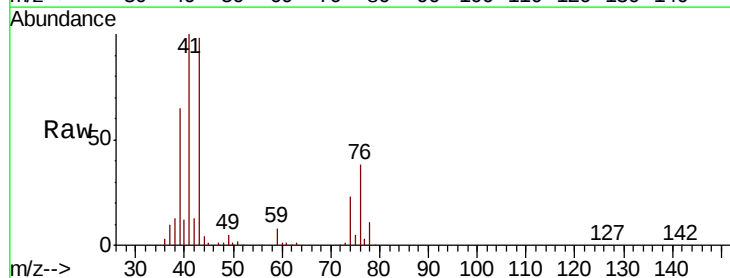
Acq: 20 Nov 2019 12:30

Tgt Ion: 43 Resp: 353963

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

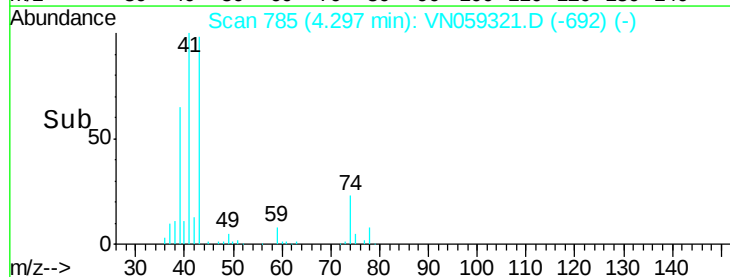
4.30

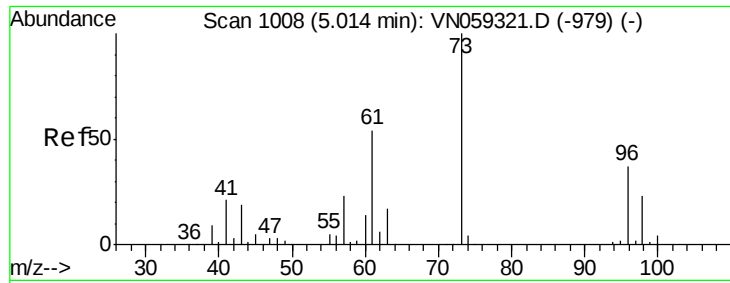
100000

50000

0

Time-->





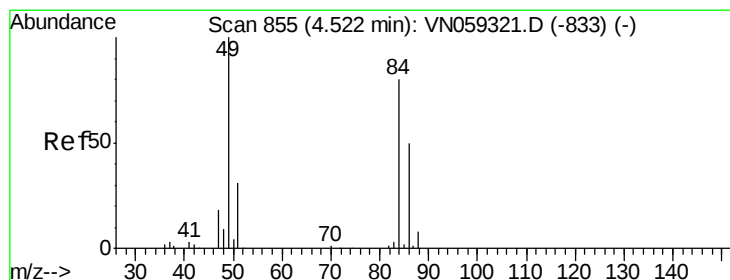
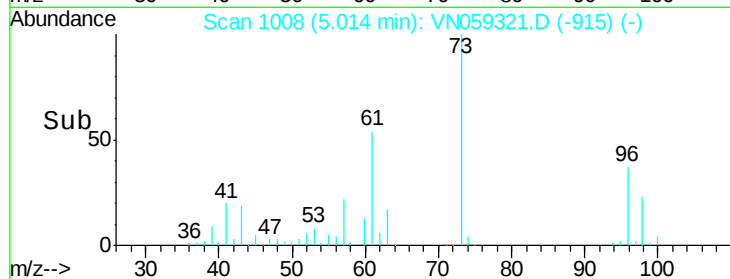
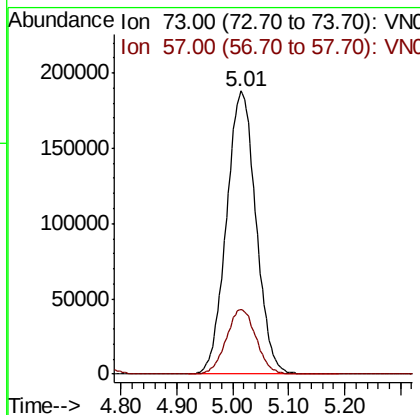
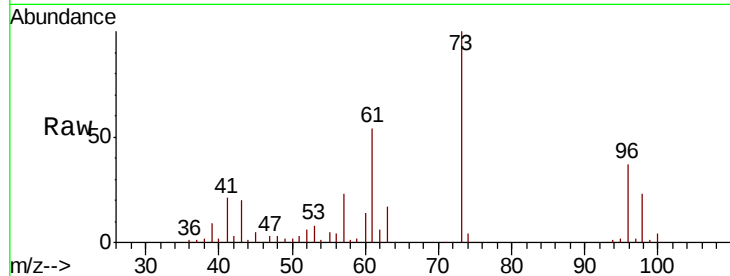
#19
Methvl tert-butvl Ether
Concen: 56.551 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 691751
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

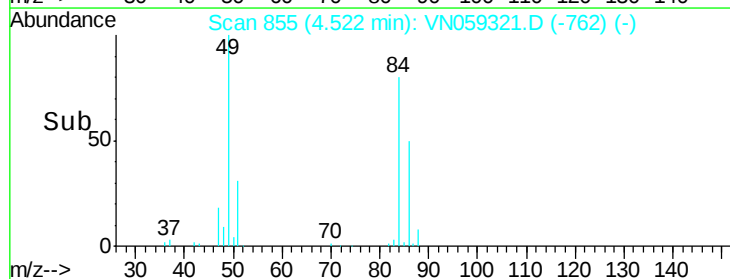
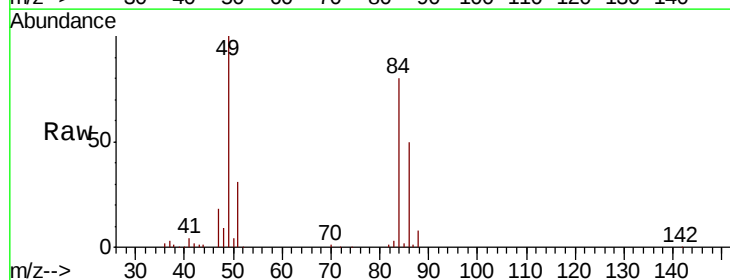
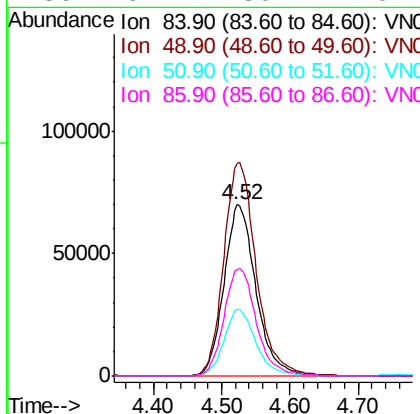
Manual Integrations
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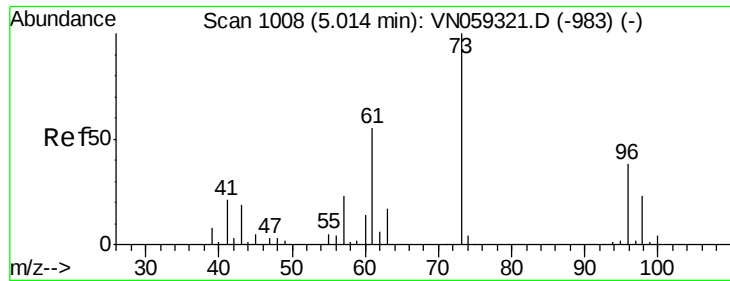
MMDadoda
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#20
Methylene Chloride
Concen: 53.818 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 84 Resp: 228272
Ion Ratio Lower Upper
84 100
49 124.4 102.0 153.0
51 38.9 32.2 48.2
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 58.654 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 223688

Ion Ratio Lower Upper

96 100

61 145.5 122.6 183.8

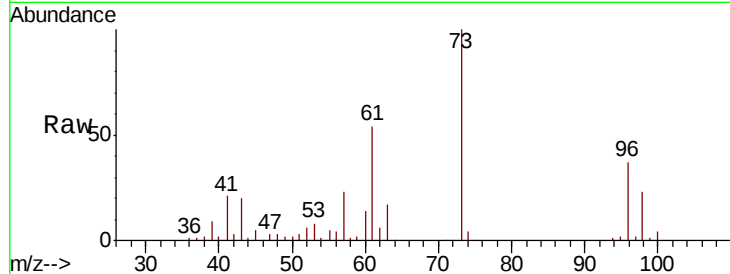
98 62.0 50.3 75.5

Manual Integrations

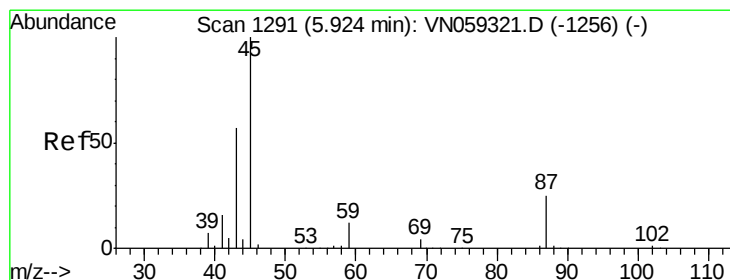
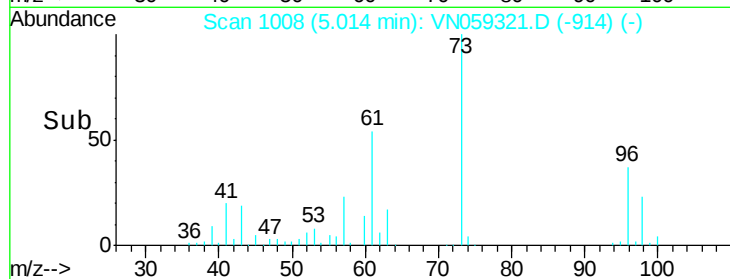
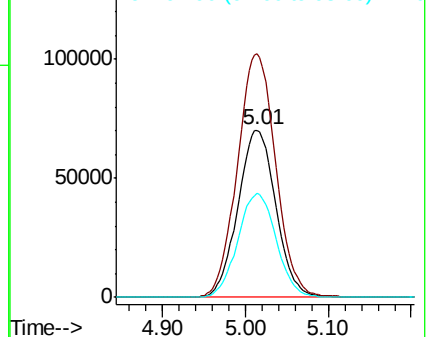
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 54.555 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 45 Resp: 752043

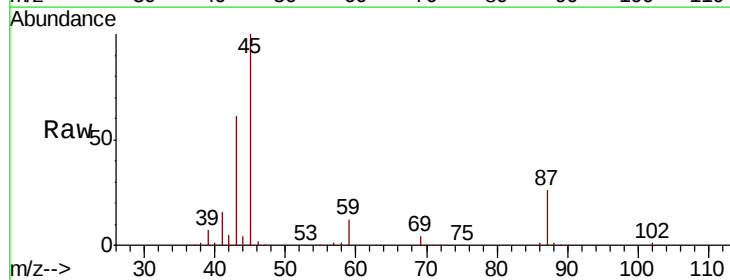
Ion Ratio Lower Upper

45 100

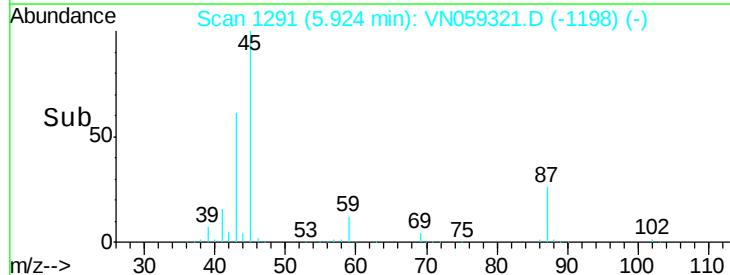
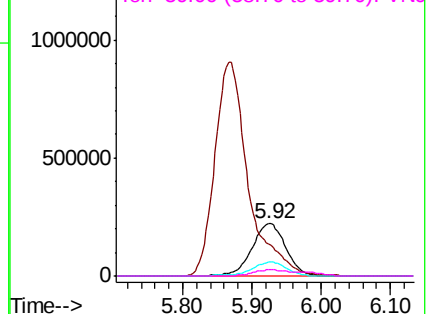
43 59.5 46.7 70.1

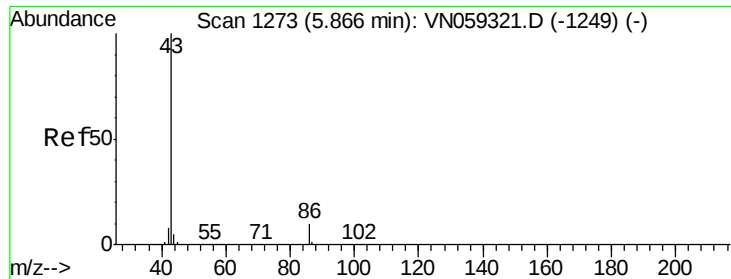
87 25.9 20.5 30.7

59 11.8 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 284.420 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3038674

Ion Ratio Lower Upper

43 100

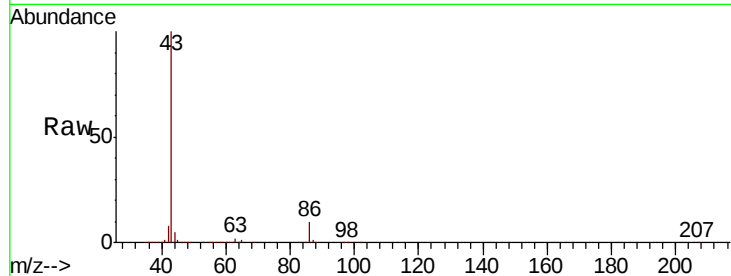
86 10.0 7.7 11.5

Manual Integrations

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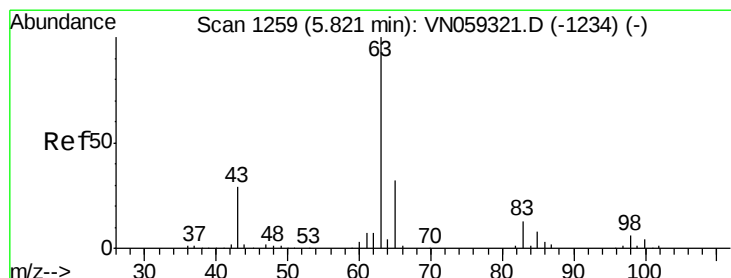
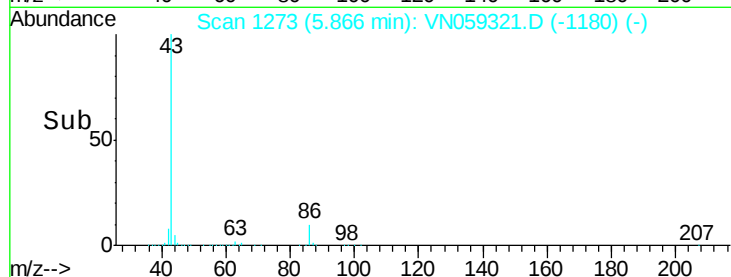
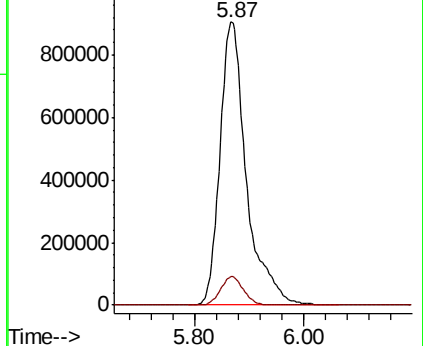
MMDadoda

11/21/2019 11:07:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.942 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

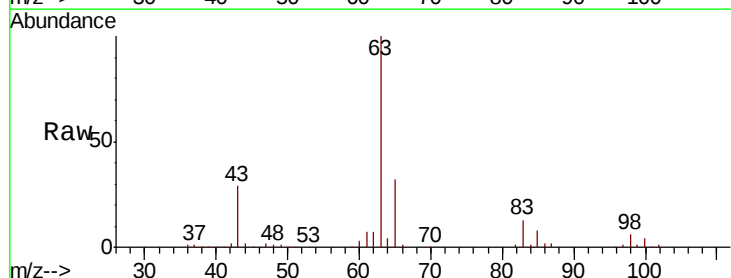
Tgt Ion: 63 Resp: 423018

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

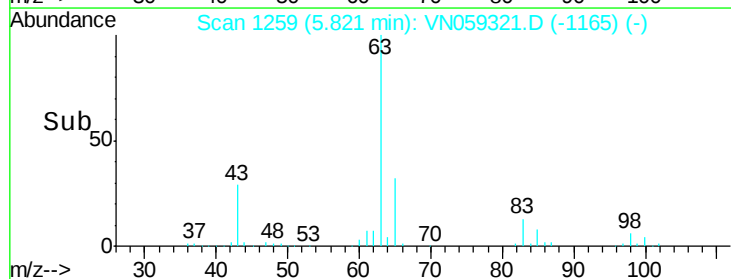
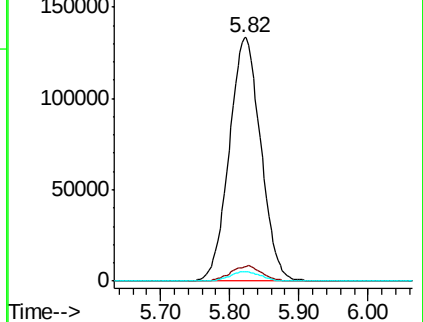
100 3.8 1.9 5.7

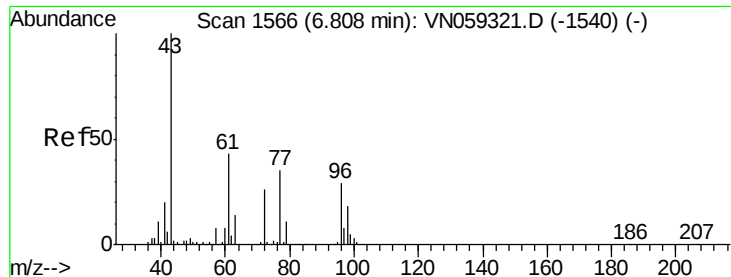


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 259.682 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 833254

Ion Ratio Lower Upper

43 100

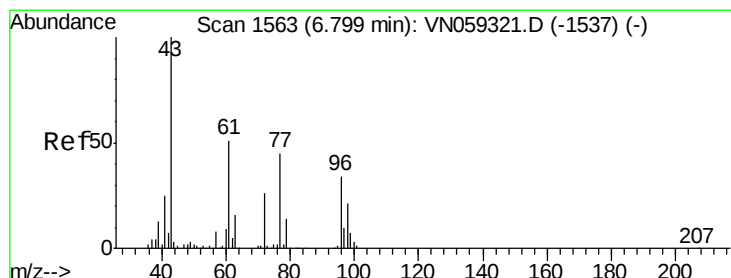
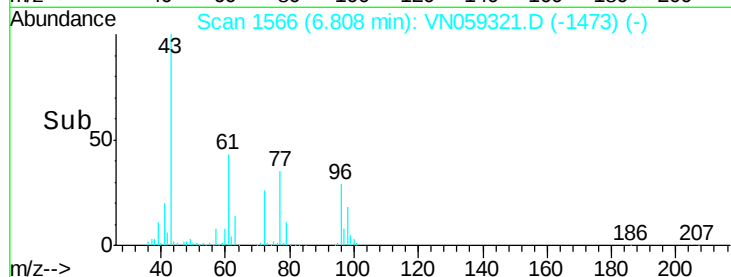
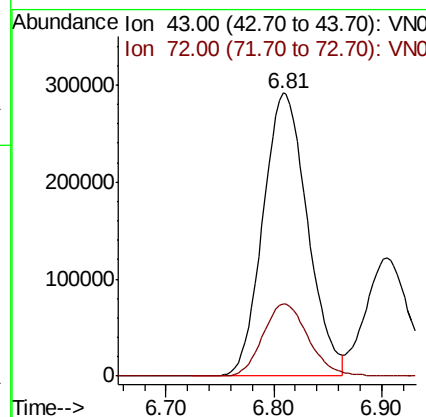
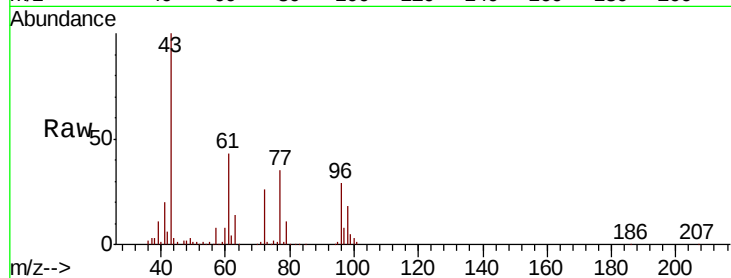
72 25.6 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 52.711 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059321.D

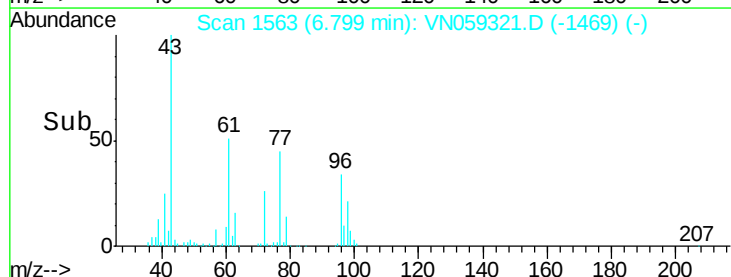
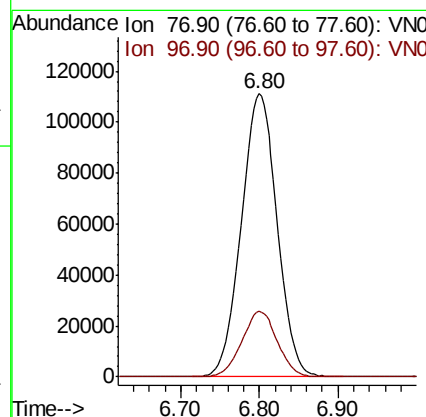
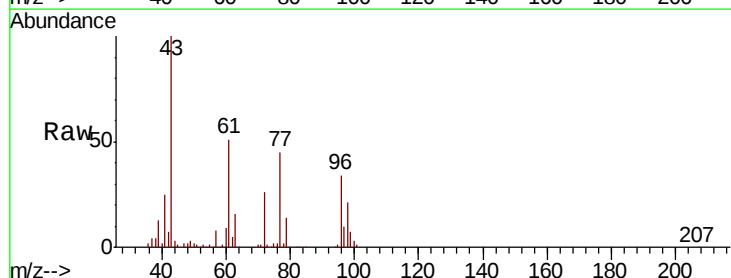
Acq: 20 Nov 2019 12:30

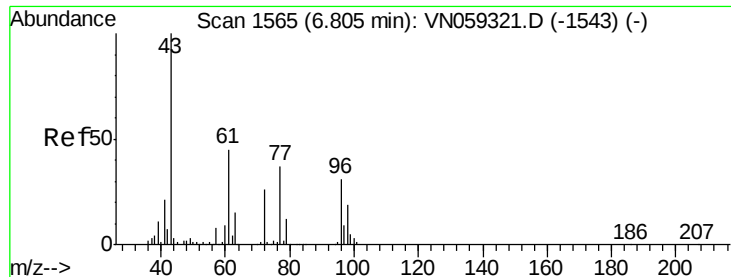
Tgt Ion: 77 Resp: 354872

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 56.612 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

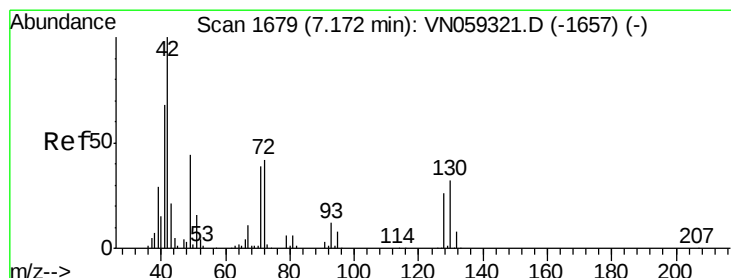
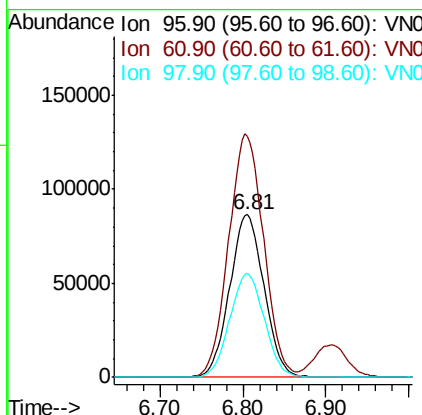
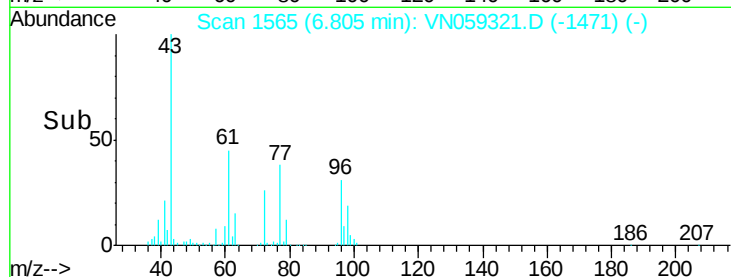
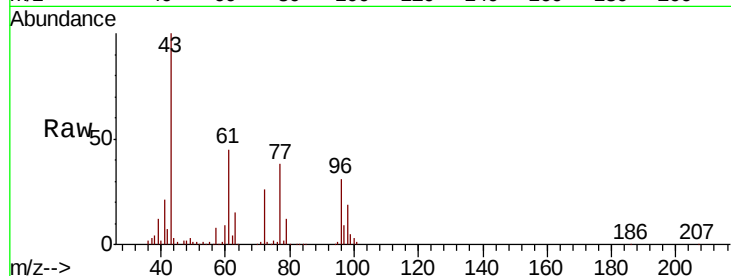
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	250482
Ion Ratio	Lower	Upper	
96	100		
61	152.0	0.0	311.6
98	64.2	0.0	129.8

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#28

Bromochloromethane

Concen: 70.853 ug/l

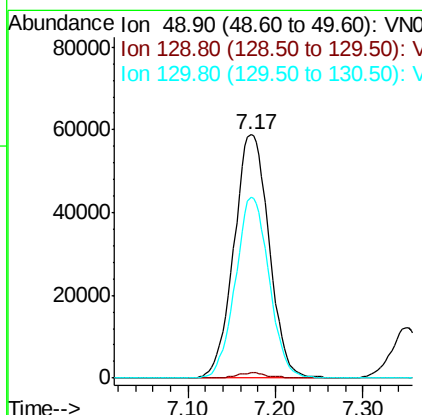
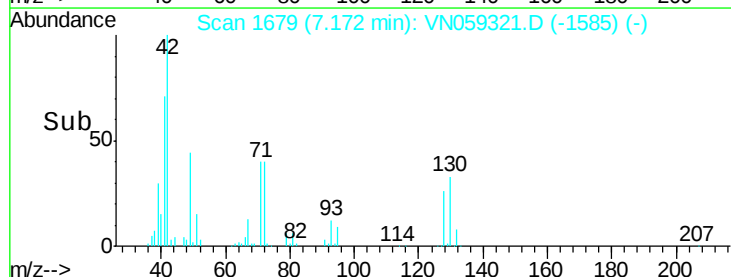
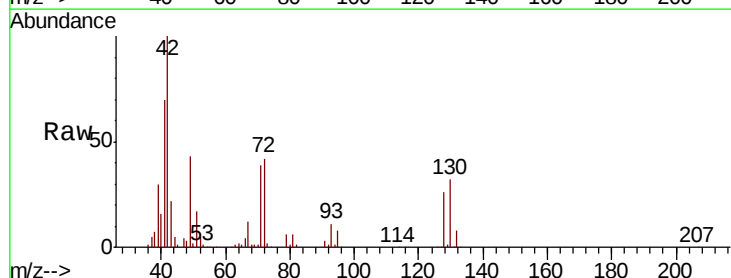
RT: 7.17 min Scan# 1679

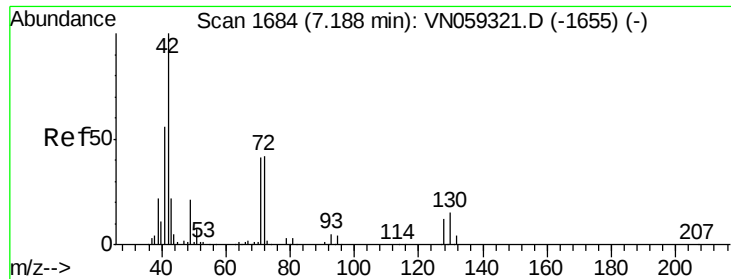
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	49	Resp:	164125
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	71.3	55.6	83.4





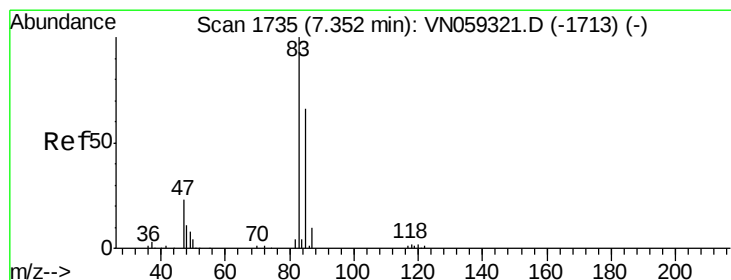
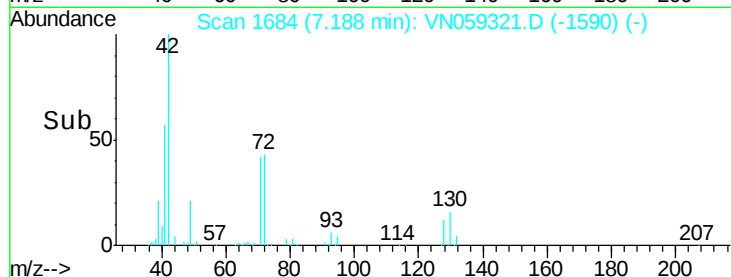
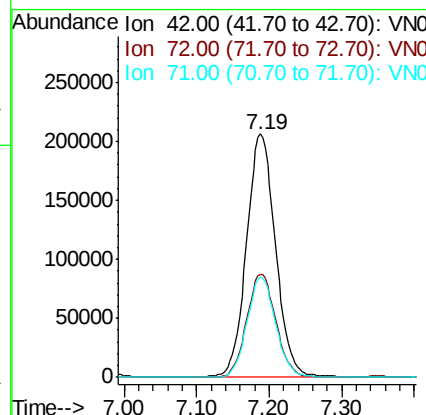
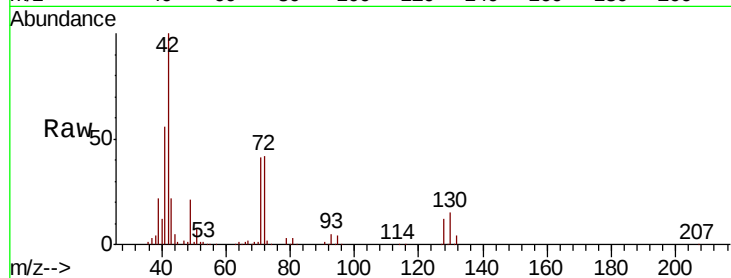
#29
Tetrahydrofuran
Concen: 281.615 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.1	49.7
71	40.7	30.9	46.3

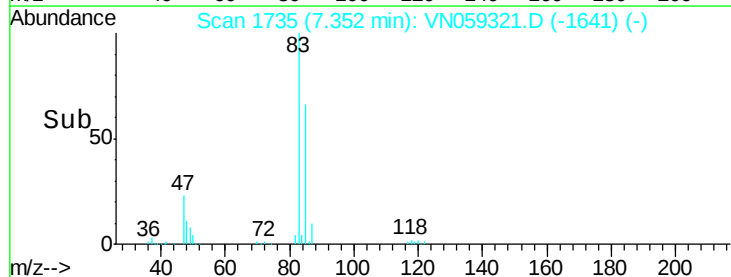
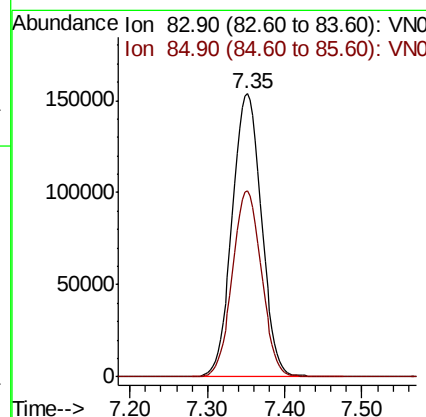
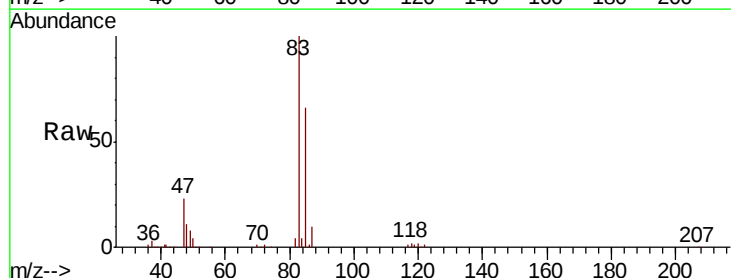
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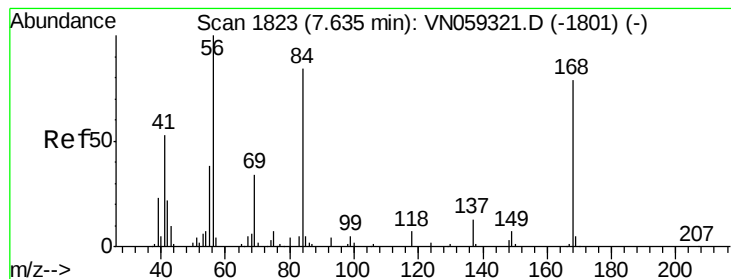
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#30
Chloroform
Concen: 54.664 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.8





#31

Cyclohexane

Concen: 54.776 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

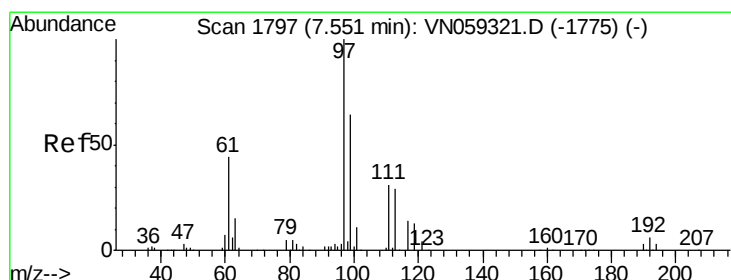
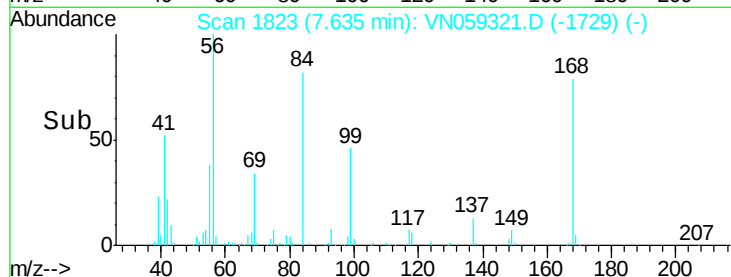
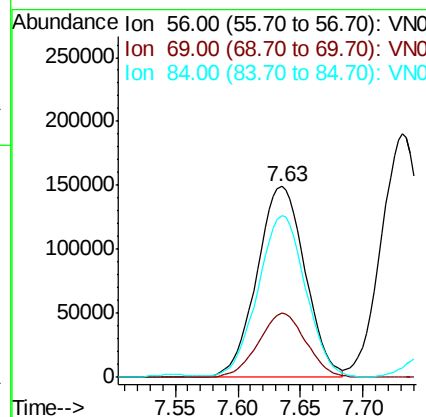
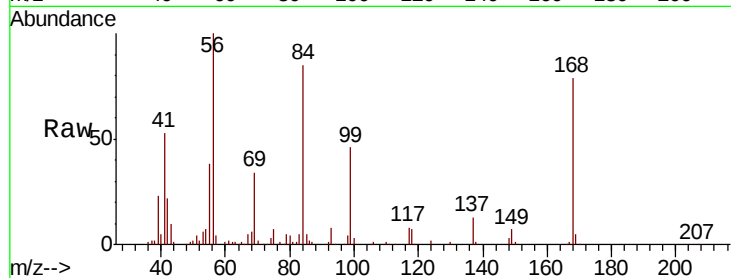
VSTDICCC050

Tot Ion: 56 Resp: 399253

Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.8	38.8
84	83.7	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.575 ug/l

RT: 7.55 min Scan# 1797

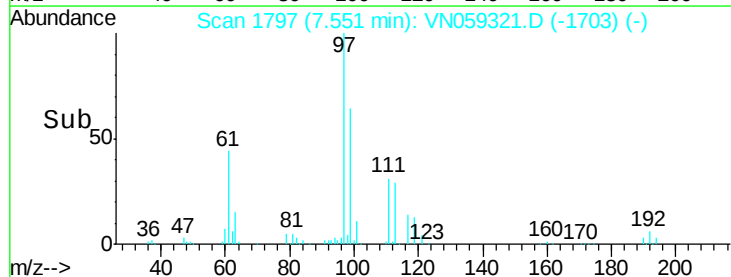
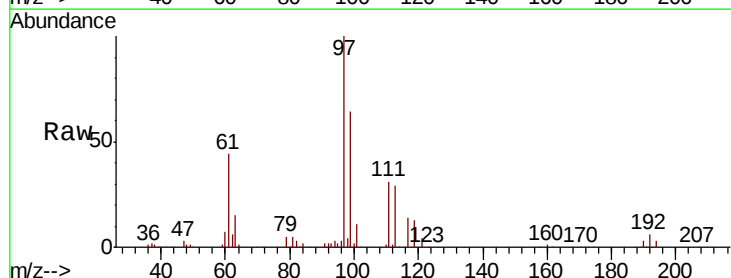
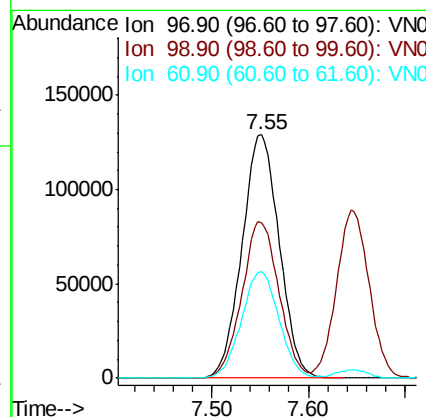
Delta R.T. 0.00 min

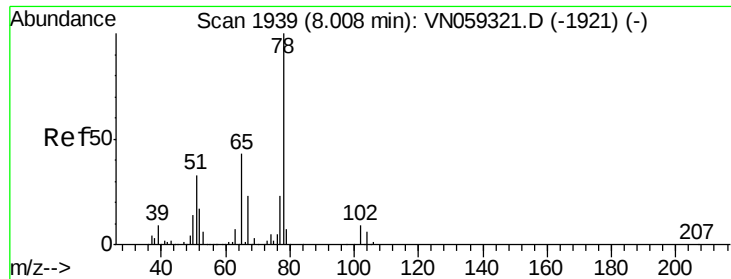
Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 97 Resp: 345098

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	44.1	35.8	53.8





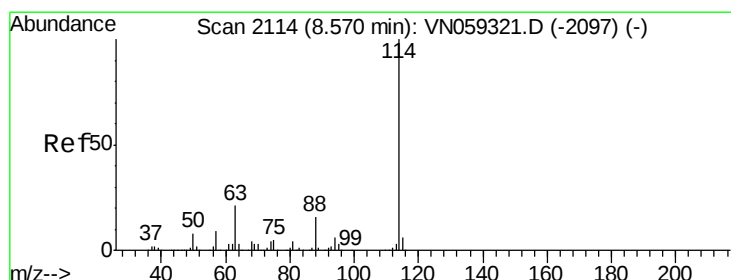
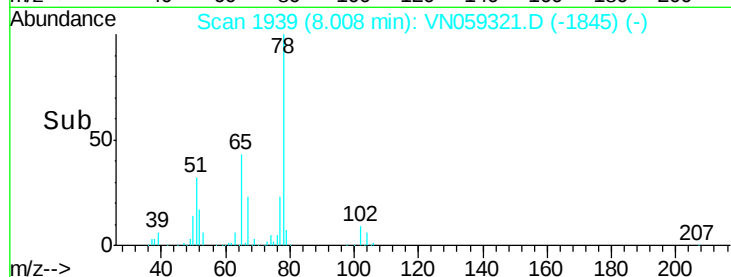
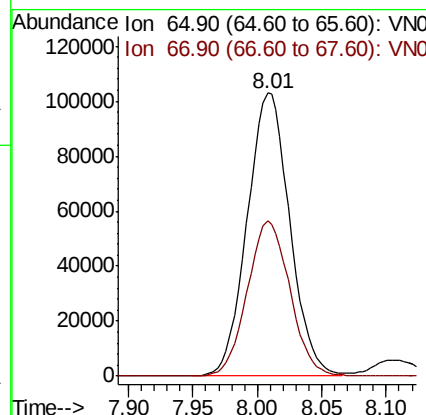
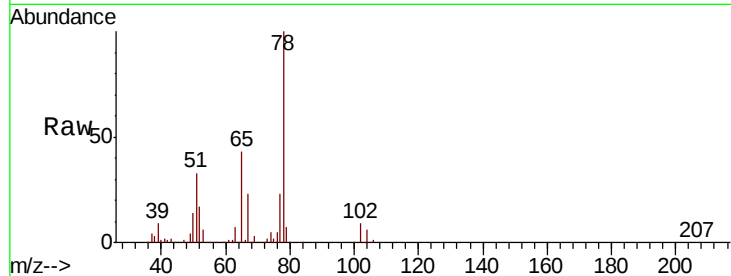
#33
 1,2-Dichloroethane-d4
 Concen: 50.621 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	236999		
67	54.7	0.0	107.4	

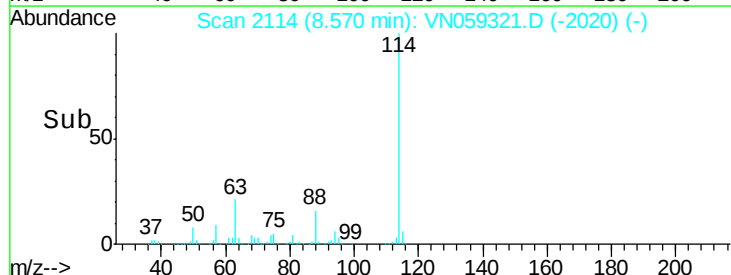
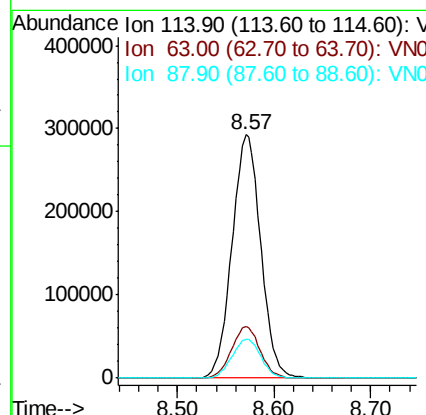
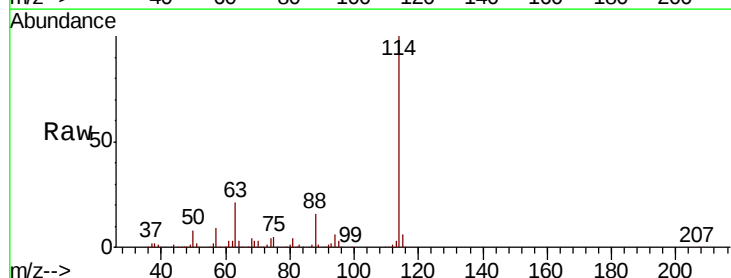
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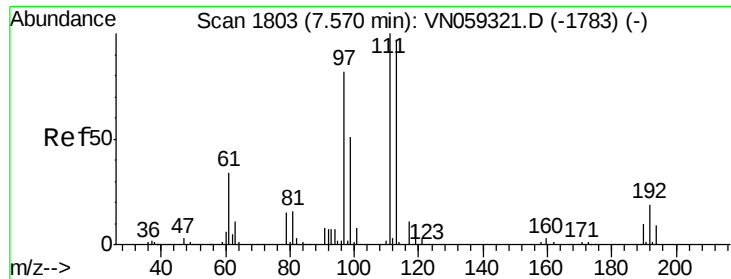
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	602738		
63	21.1	0.0	43.4	
88	16.1	0.0	32.2	





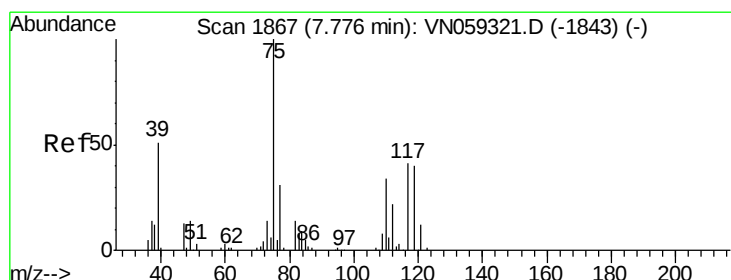
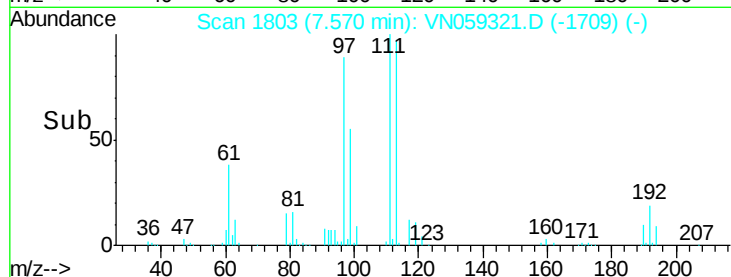
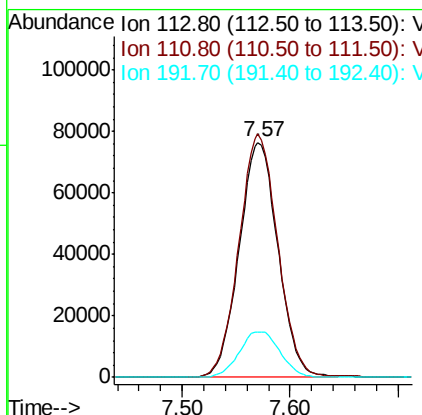
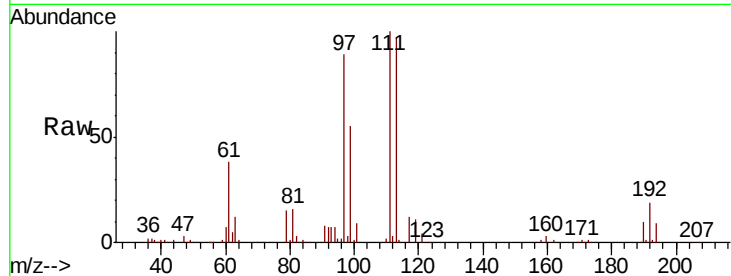
#35
Dibromofluoromethane
Concen: 53.075 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191012		
111	103.4	82.8	124.2	
192	20.4	16.1	24.1	

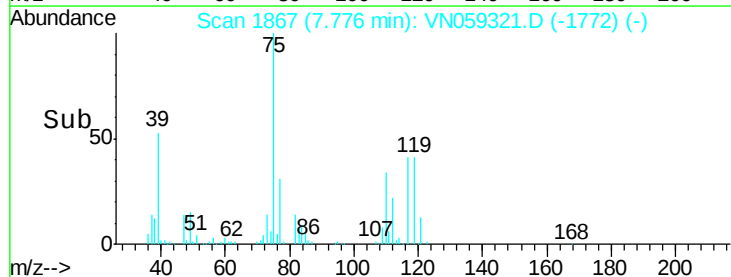
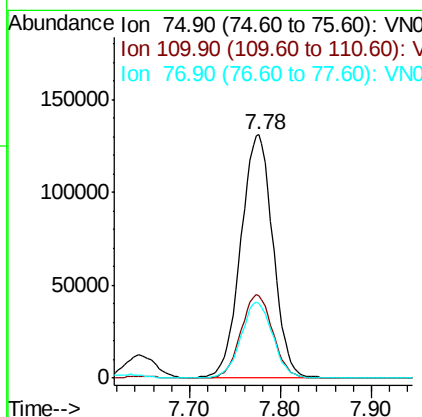
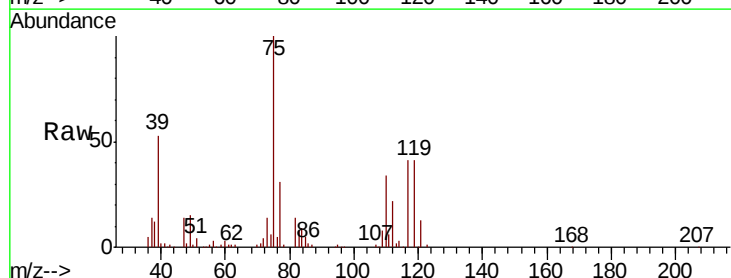
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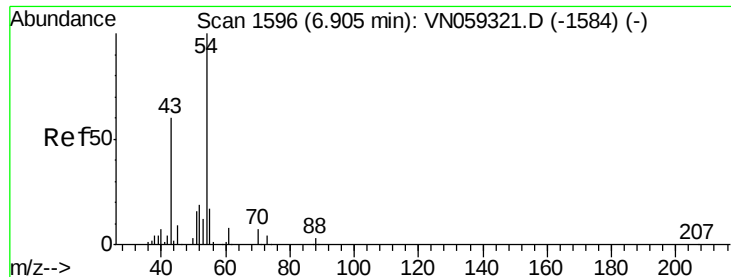
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#36
1,1-Dichloropropene
Concen: 56.887 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	320492		
110	34.0	17.1	51.2	
77	31.0	24.8	37.2	





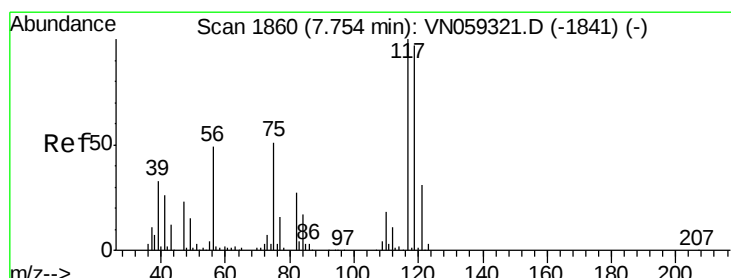
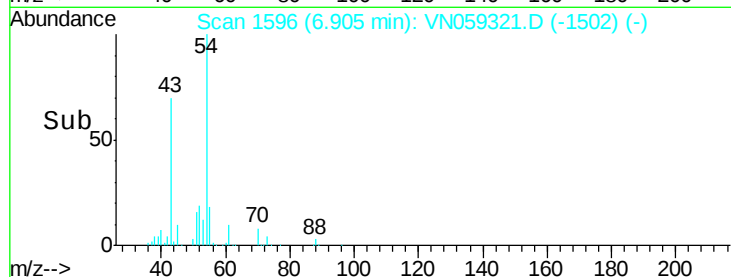
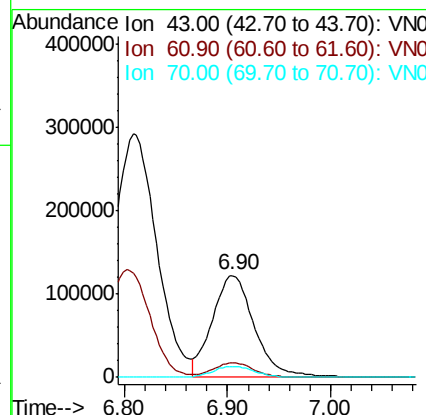
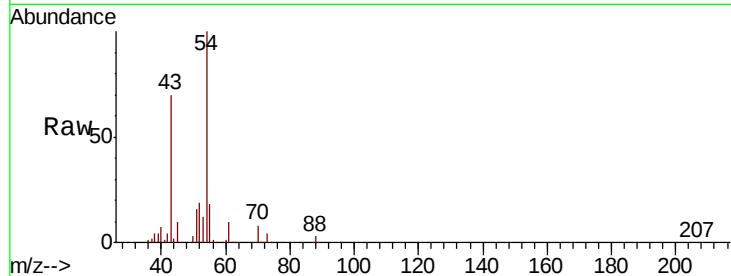
#37
Ethyl Acetate
Concen: 54.409 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	11.0	7.8	11.8

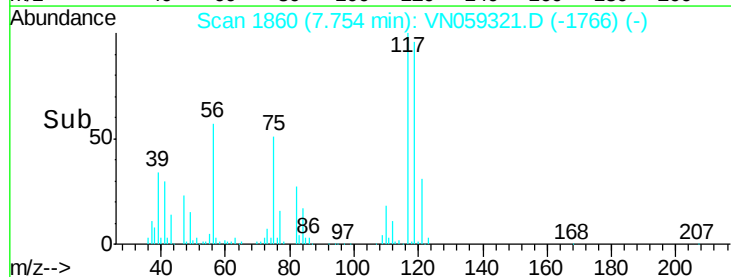
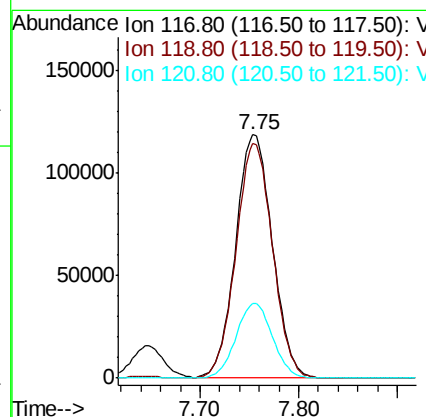
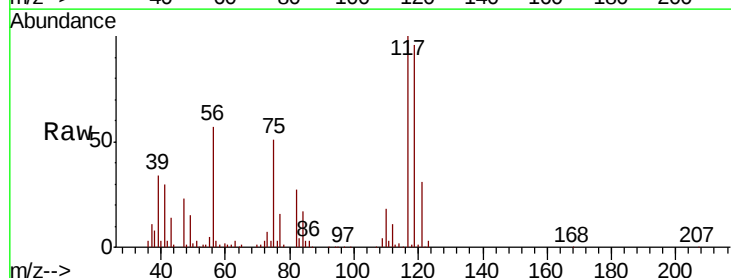
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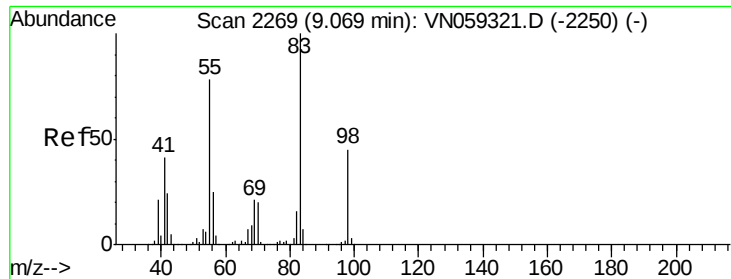
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#38
Carbon Tetrachloride
Concen: 54.962 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.6	113.4
121	30.5	24.6	36.8





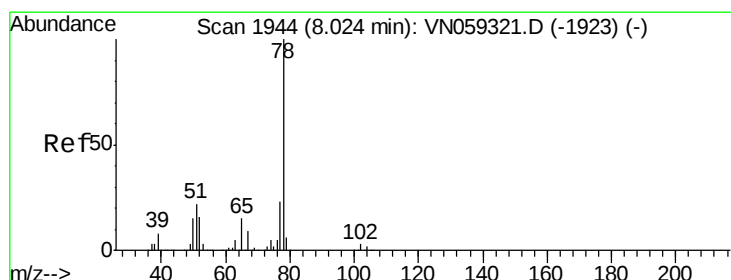
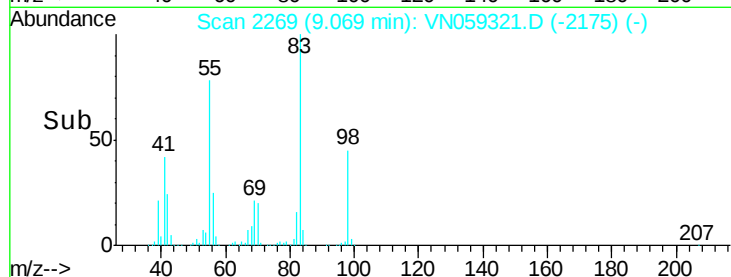
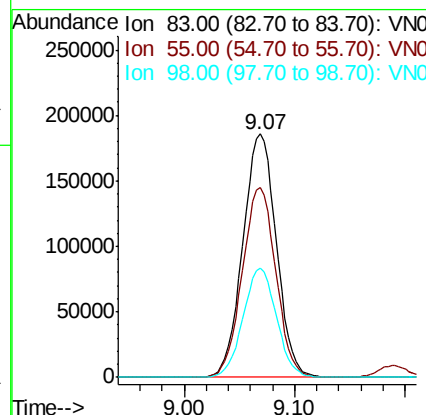
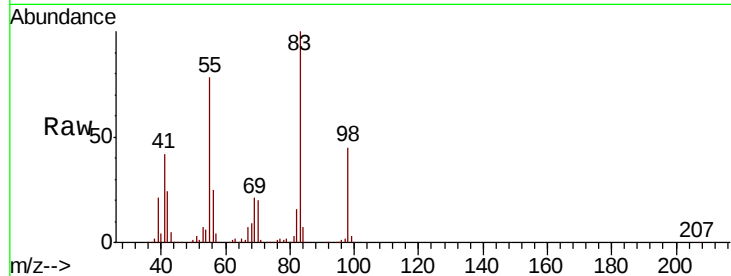
#39
Methvlcvclohexane
Concen: 59.818 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	63.9	95.9
98	45.0	35.6	53.4

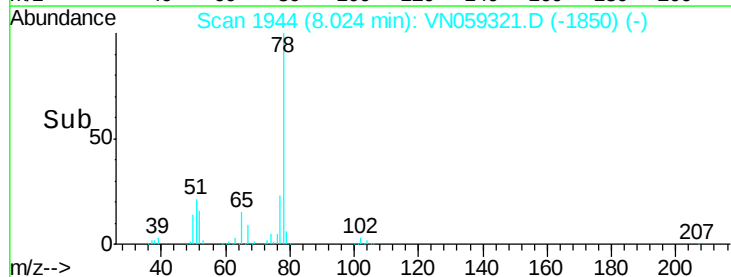
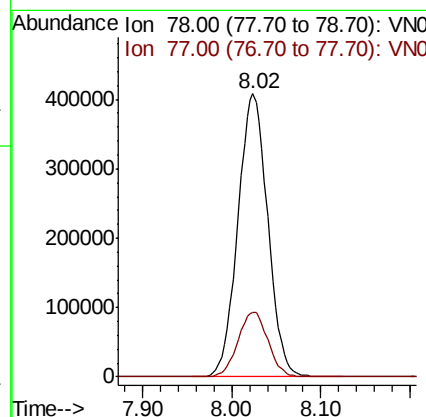
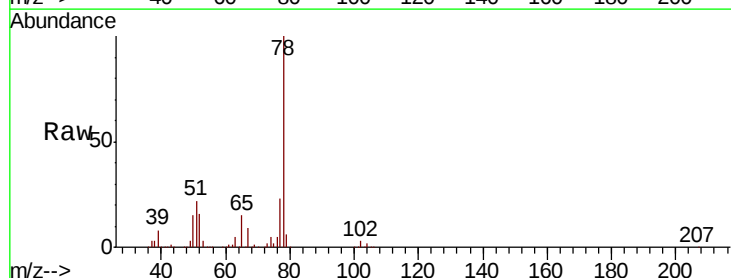
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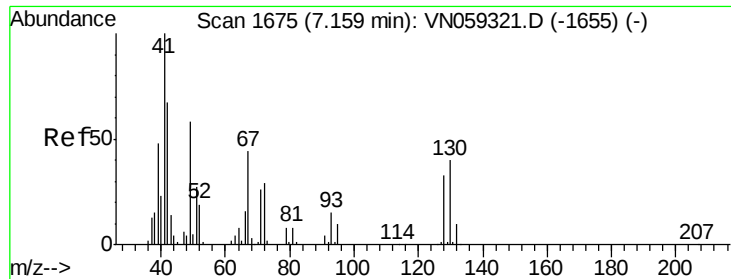
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#40
Benzene
Concen: 55.844 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





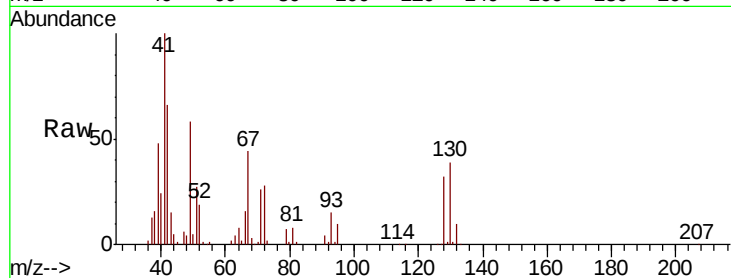
#41
Methacrylonitrile
Concen: 60.351 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

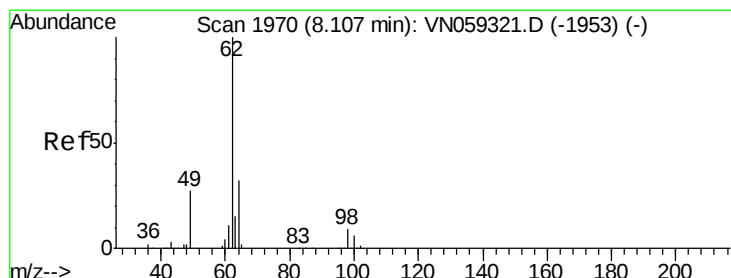
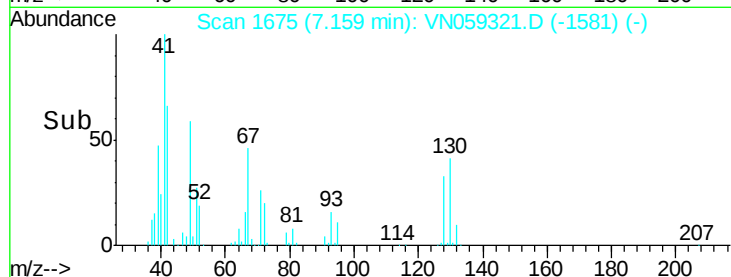
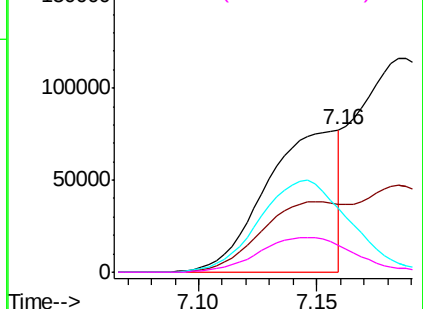
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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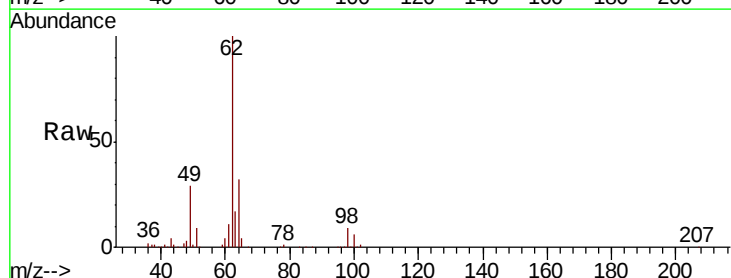


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

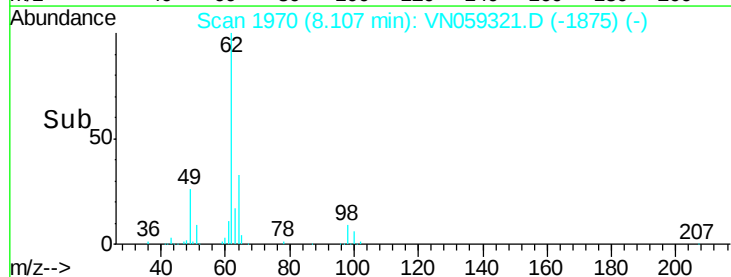
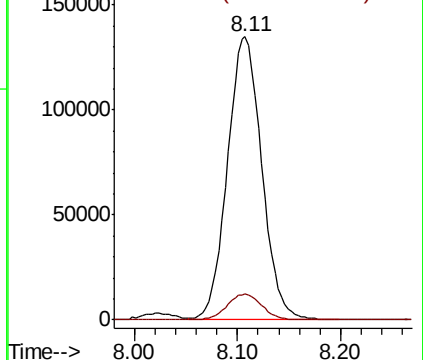


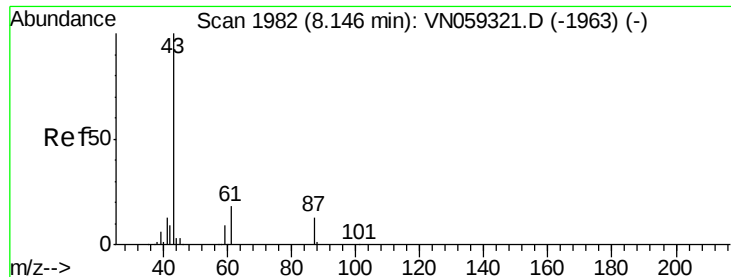
#42
1,2-Dichloroethane
Concen: 53.439 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 53.578 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

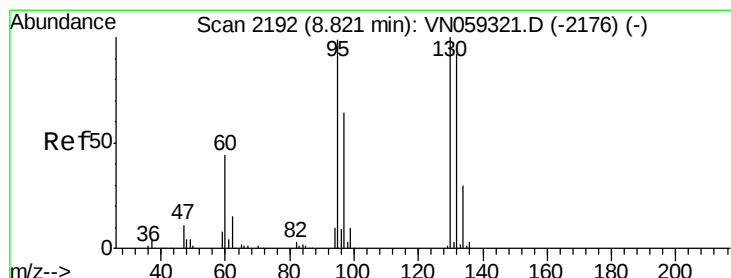
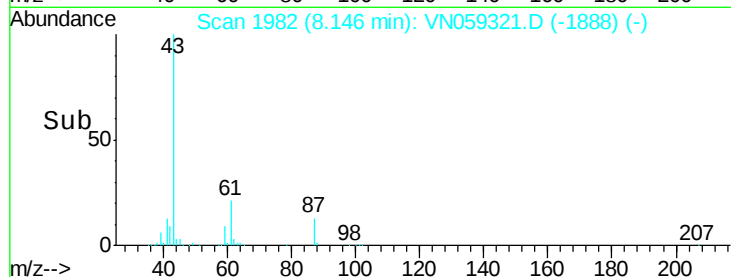
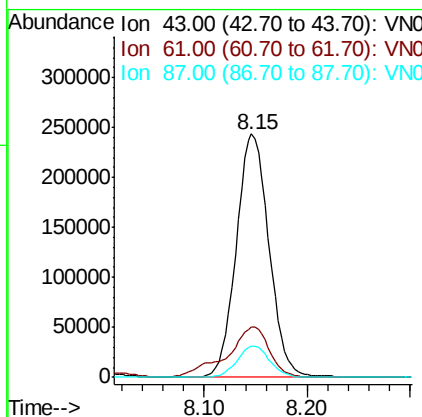
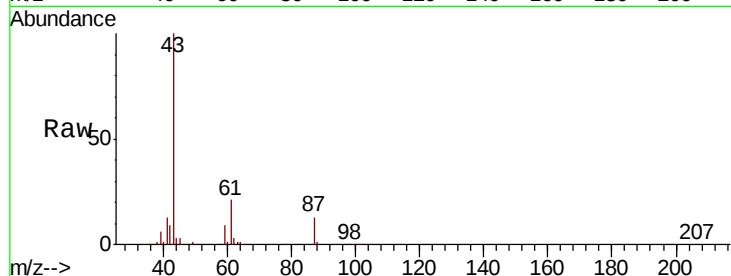
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	535346
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.6
87	12.8	9.8	14.6

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#44

Trichloroethene

Concen: 56.813 ug/l

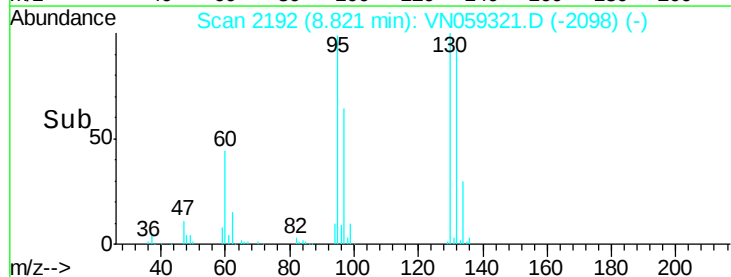
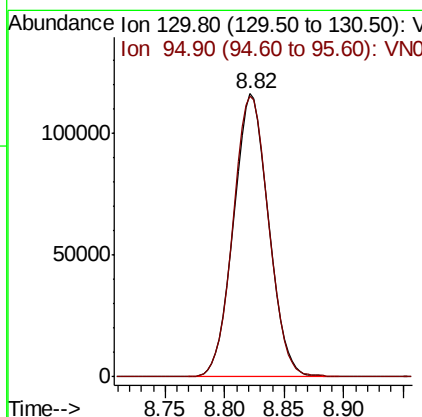
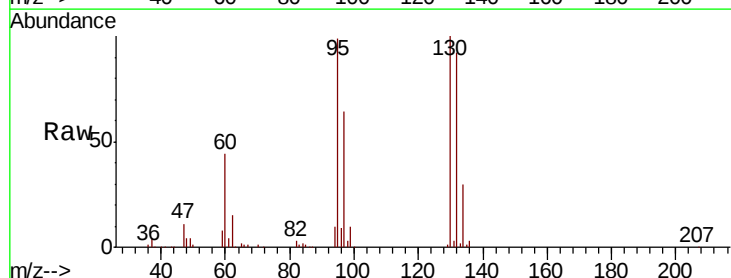
RT: 8.82 min Scan# 2192

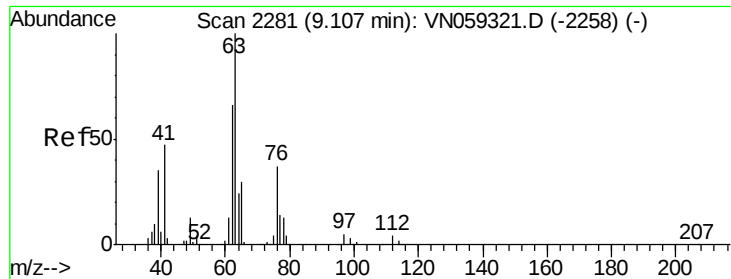
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	130	Resp:	236933
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 54.338 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 250395

Ion Ratio Lower Upper

63 100

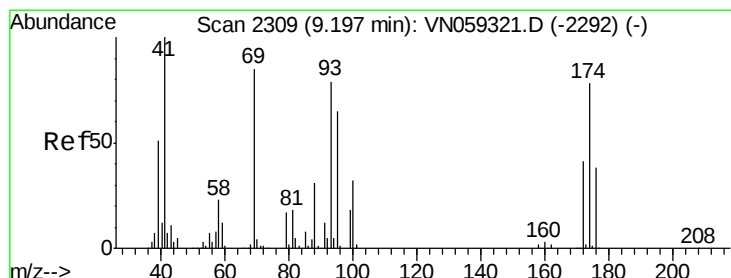
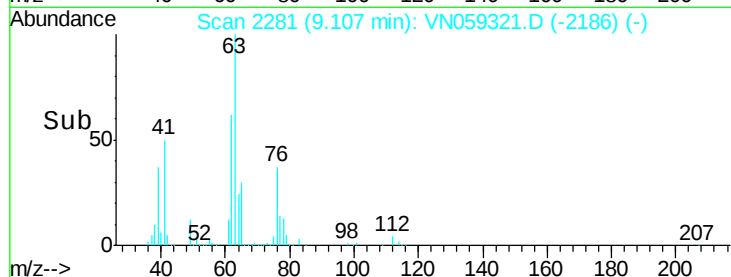
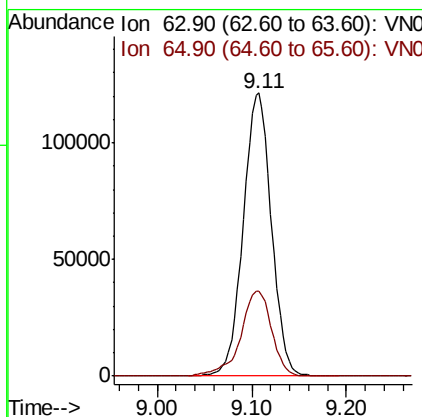
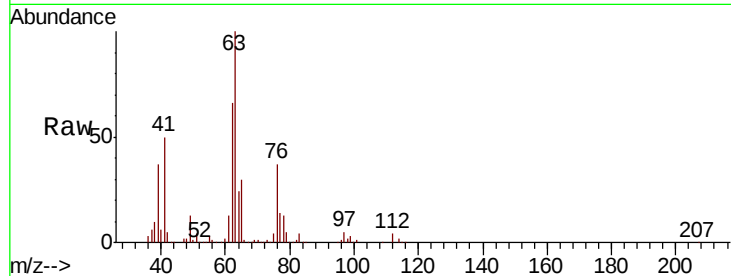
65 29.9 24.6 37.0

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#46

Dibromomethane

Concen: 53.543 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.01 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

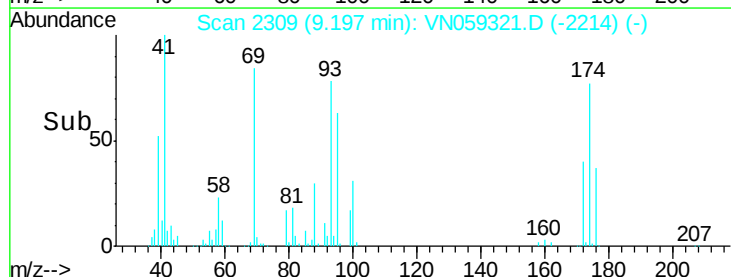
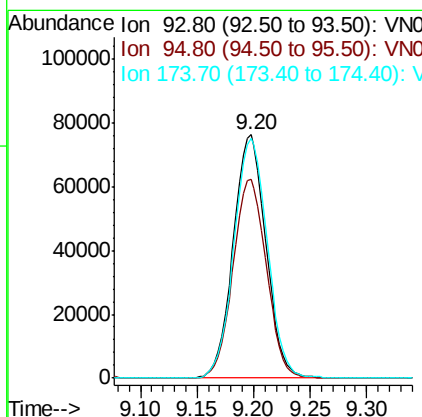
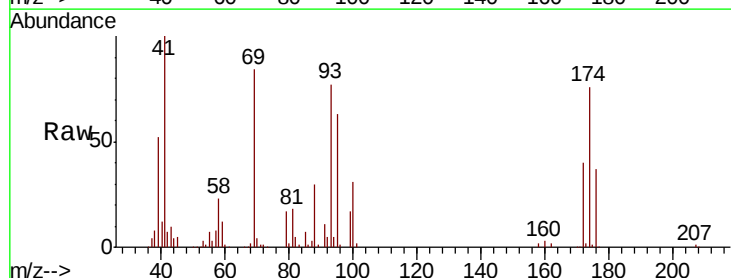
Tgt Ion: 93 Resp: 153750

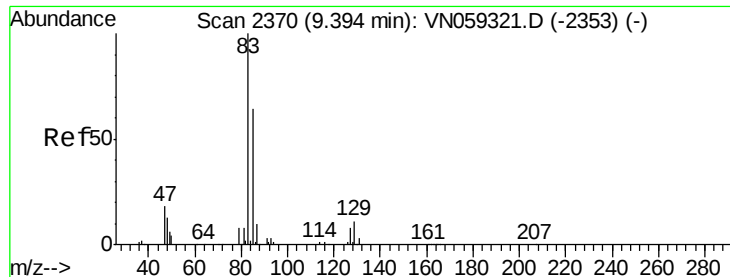
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 100.7 78.2 117.2





#47

Bromodichloromethane

Concen: 54.498 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

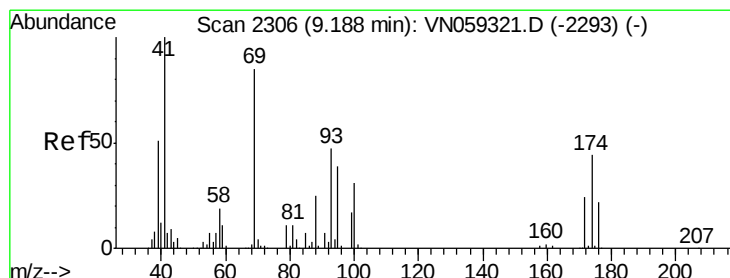
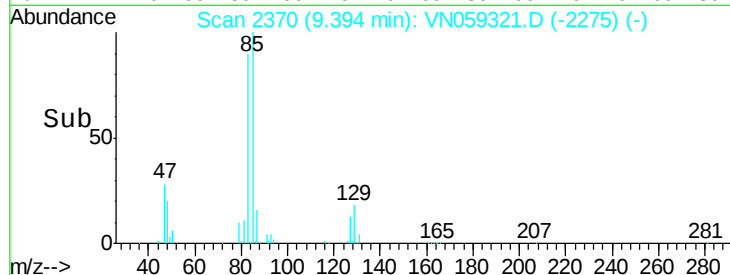
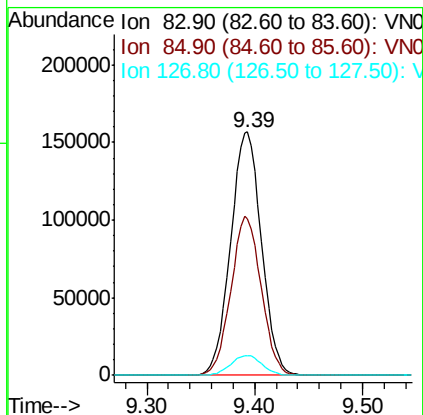
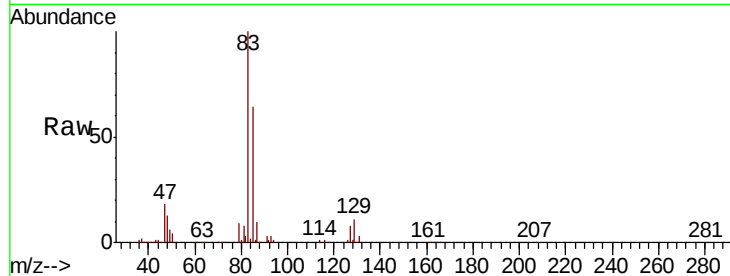
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	312489
Ion Ratio	Lower	Upper	
83	100		
85	64.4	49.7	74.5
127	8.3	6.4	9.6

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#48

Methyl methacrylate

Concen: 54.751 ug/l

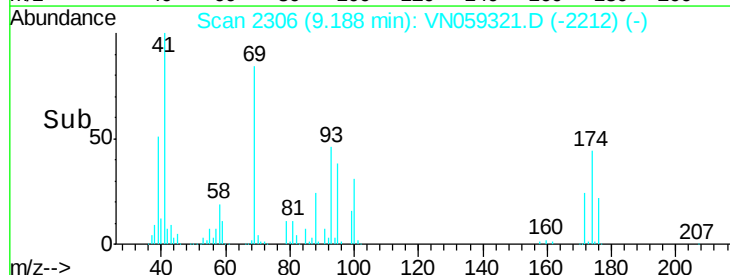
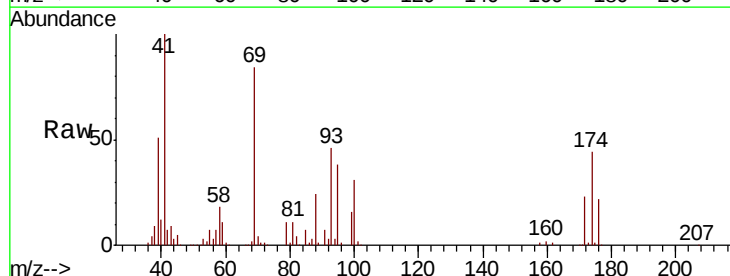
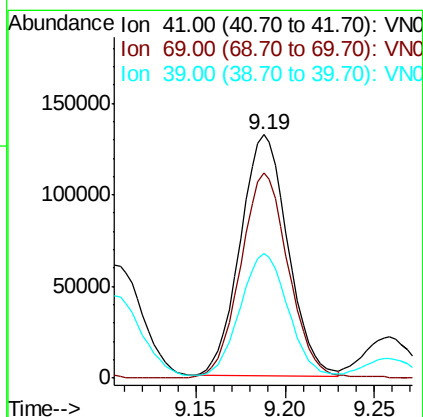
RT: 9.19 min Scan# 2306

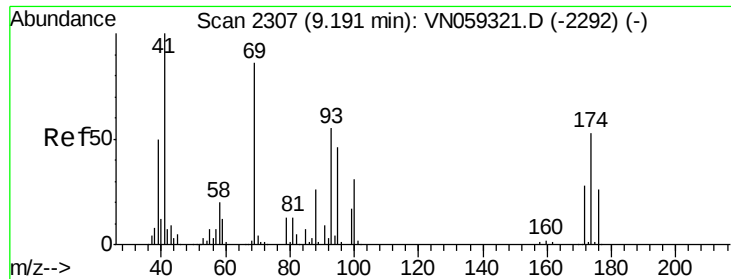
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	41	Resp:	244704
Ion Ratio	Lower	Upper	
41	100		
69	86.0	67.3	100.9
39	52.6	43.3	64.9





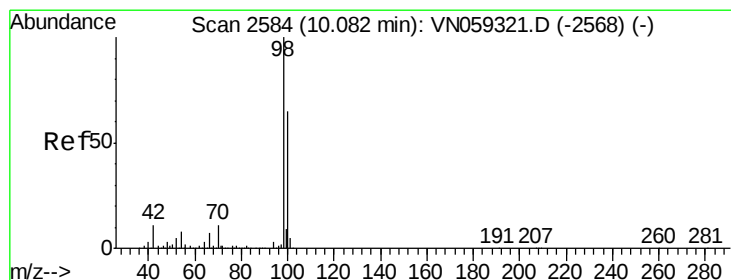
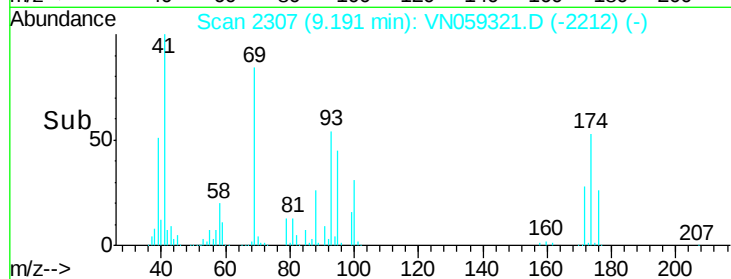
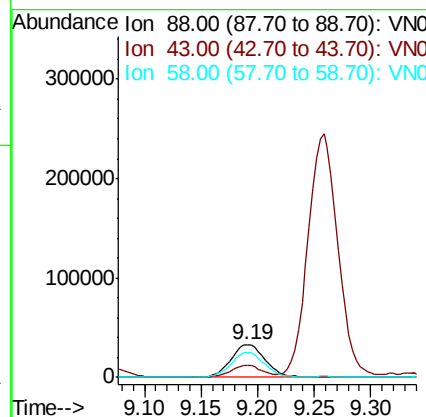
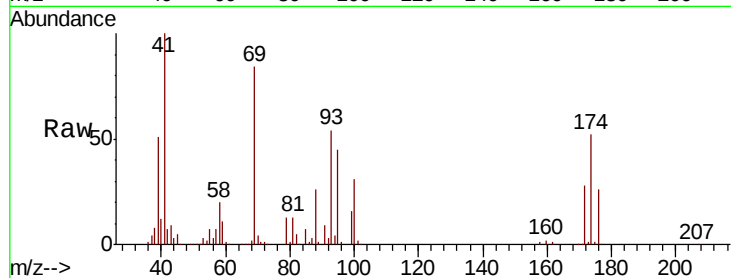
#49
1,4-Dioxane
Concen: 883.702 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.3	39.5
58	74.0	60.6	90.8

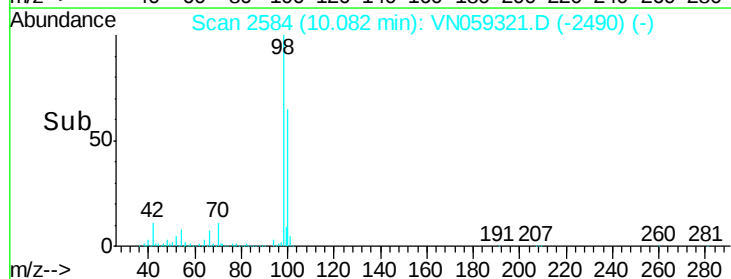
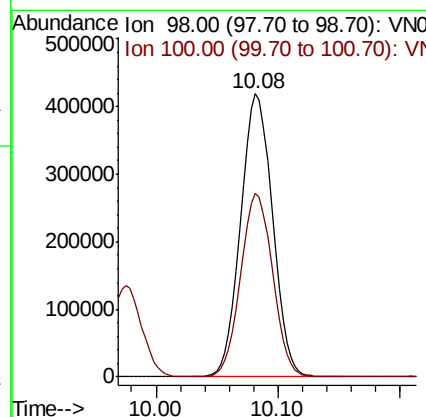
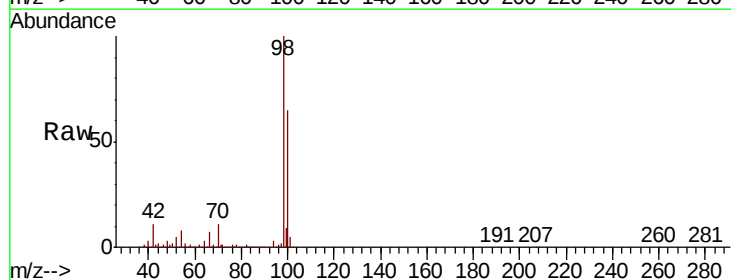
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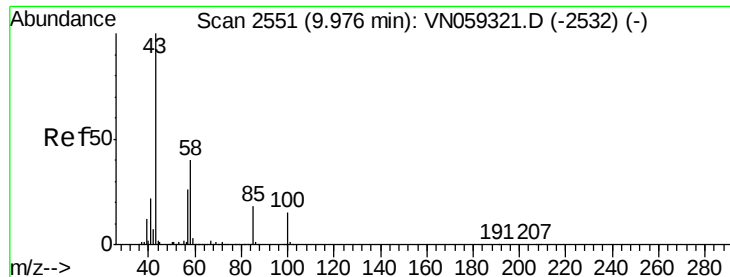
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#50
Toluene-d8
Concen: 53.605 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





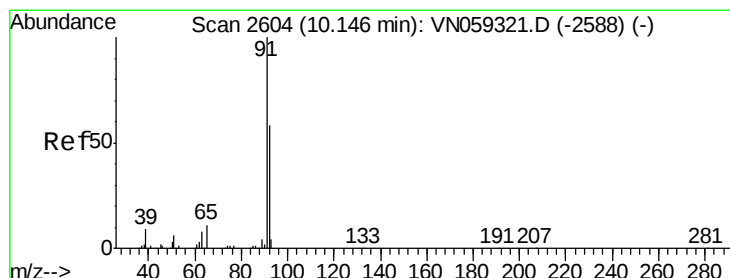
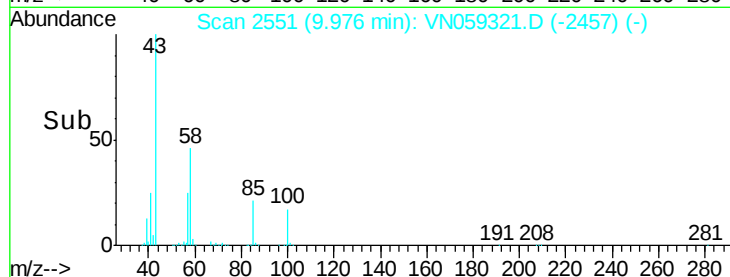
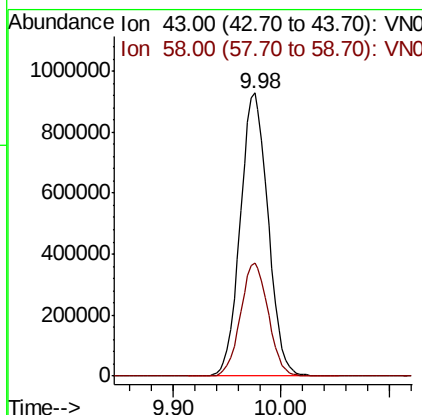
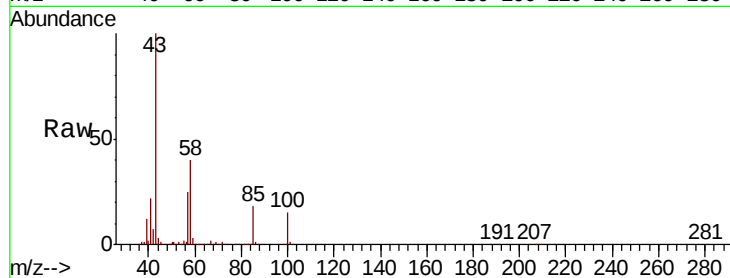
#51
 4-Methyl-2-Pentanone
 Concen: 294.606 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 43 Resp: 1665611
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3

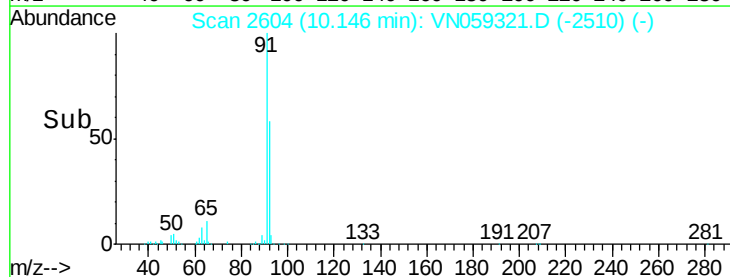
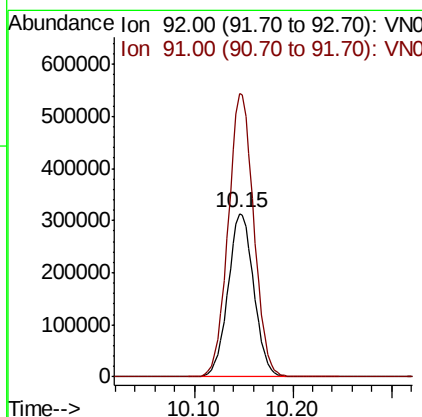
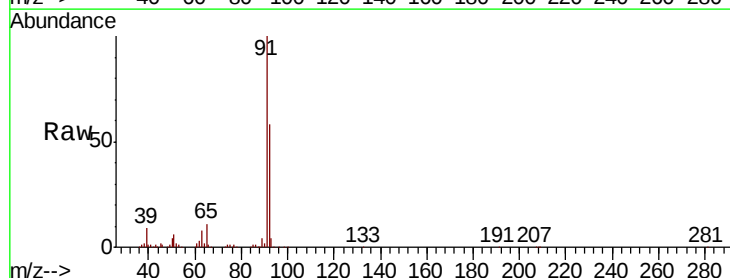
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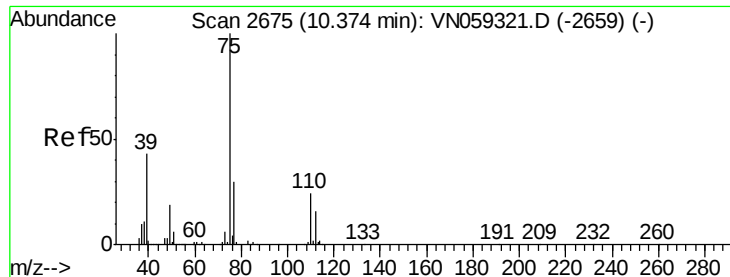
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#52
 Toluene
 Concen: 56.238 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 92 Resp: 571858
 Ion Ratio Lower Upper
 92 100
 91 172.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 54.207 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 359106

Ion Ratio Lower Upper

75 100

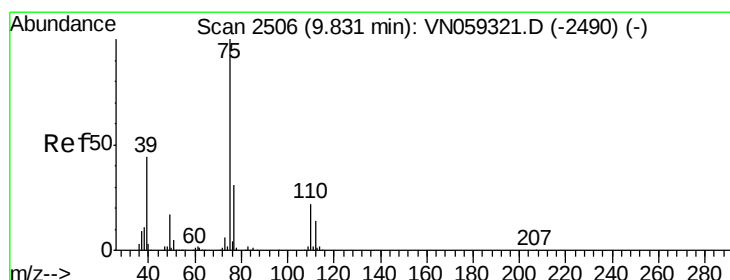
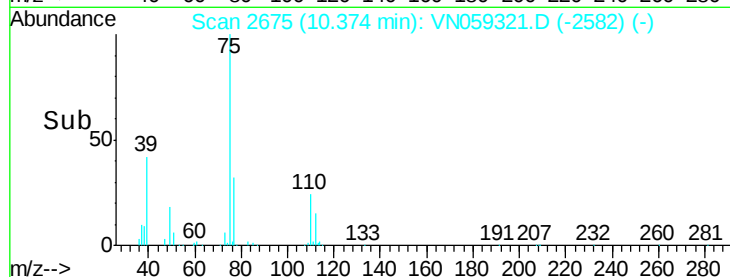
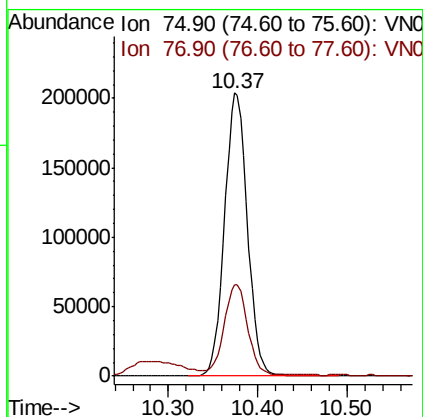
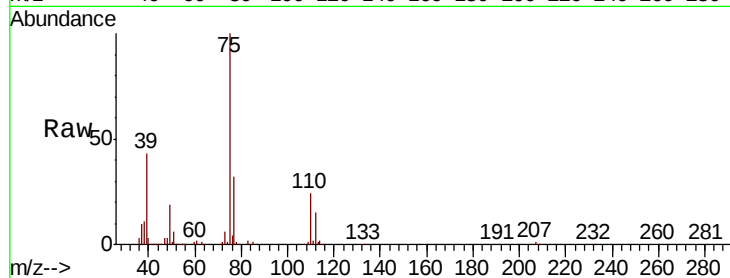
77 31.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 55.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

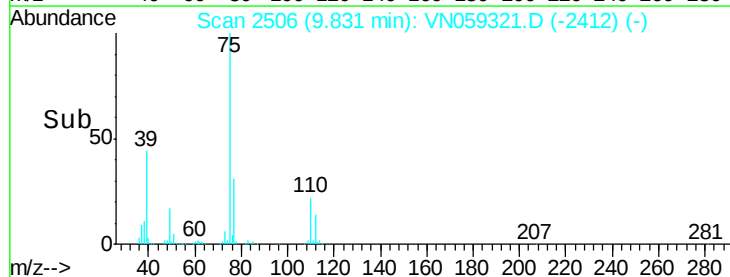
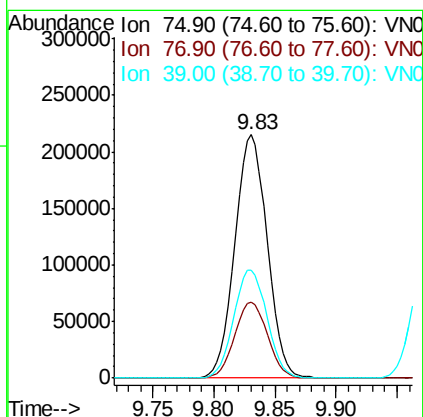
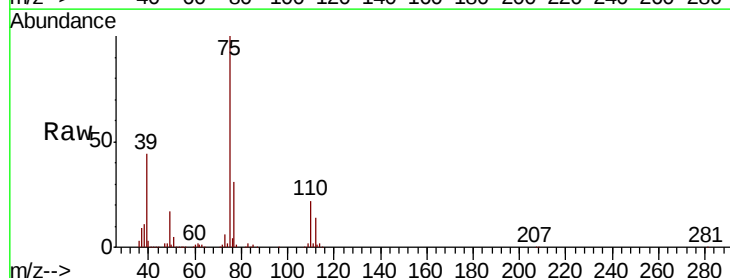
Tgt Ion: 75 Resp: 395029

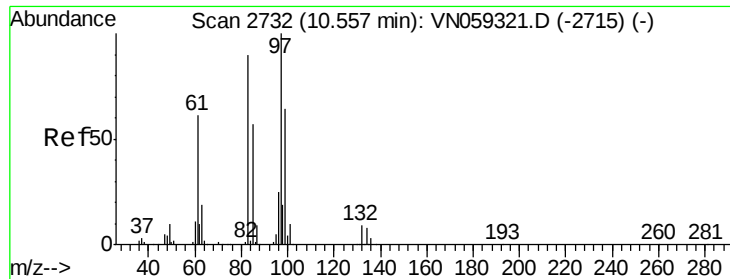
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 44.4 37.3 55.9





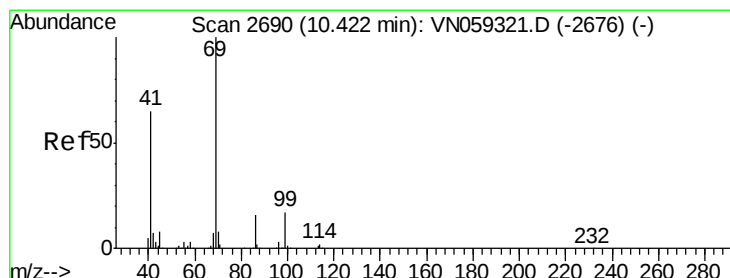
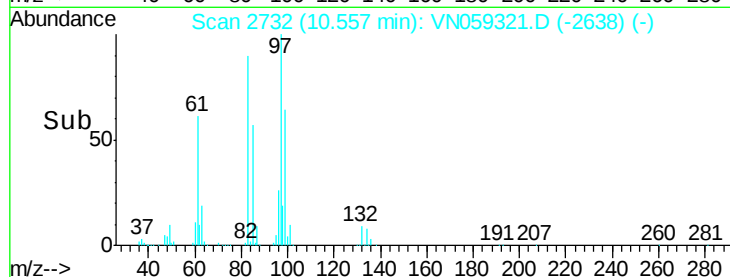
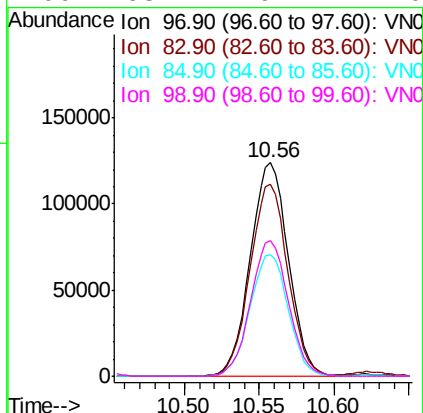
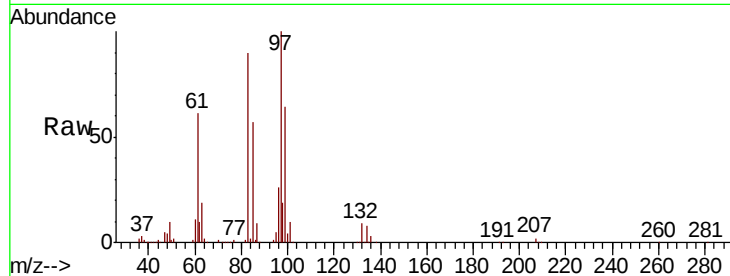
#55
 1,1,2-Trichloroethane
 Concen: 53.562 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	220425
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.0	106.4
85	57.2	45.8	68.8
99	63.7	49.4	74.0

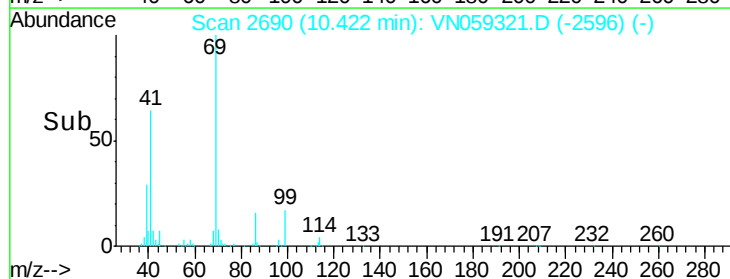
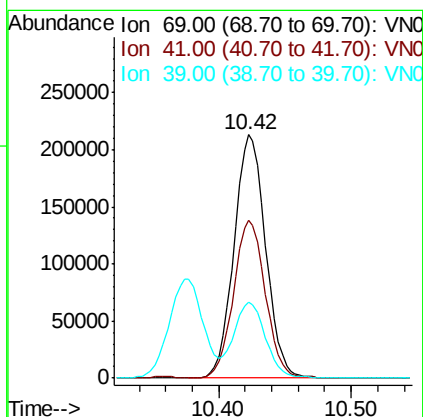
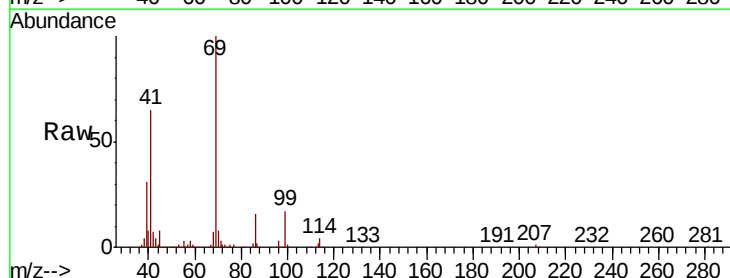
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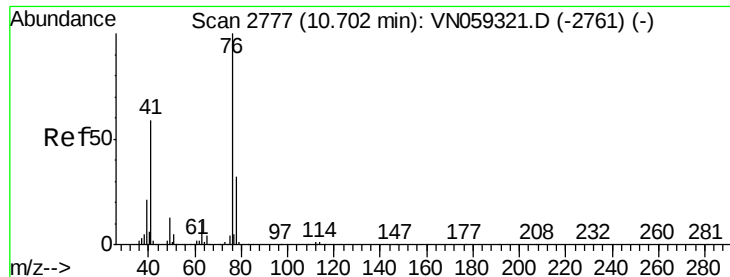
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#56
 Ethyl methacrylate
 Concen: 57.709 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion:	69	Resp:	352521
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.6	80.4
39	31.5	26.2	39.4





#57

1,3-Dichloropropane

Concen: 54.640 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 387014

Ion Ratio Lower Upper

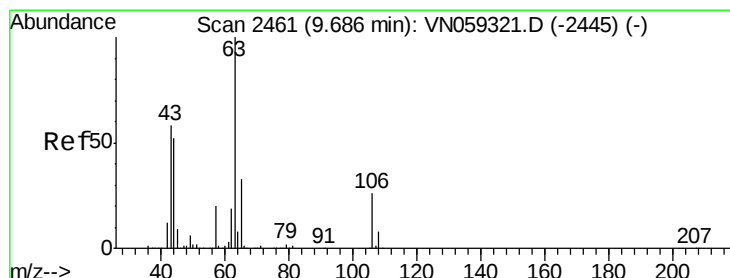
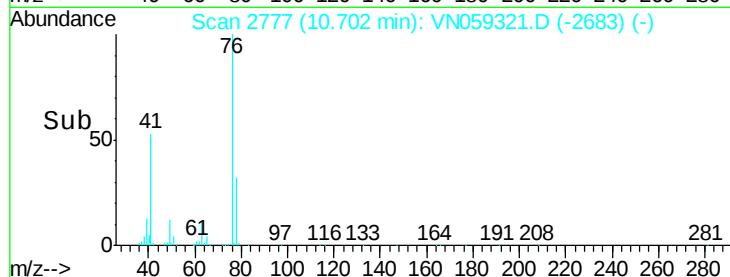
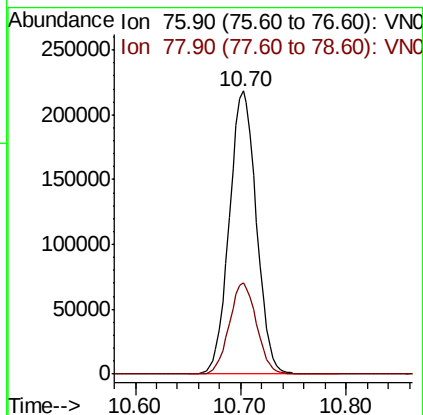
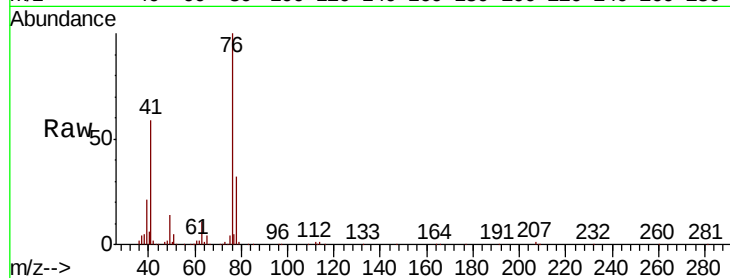
76 100

78 32.5 25.8 38.8

Manual Integrations
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11/21/2019 11:07:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 258.696 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059321.D

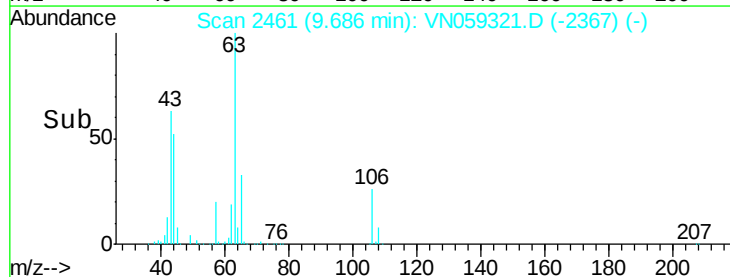
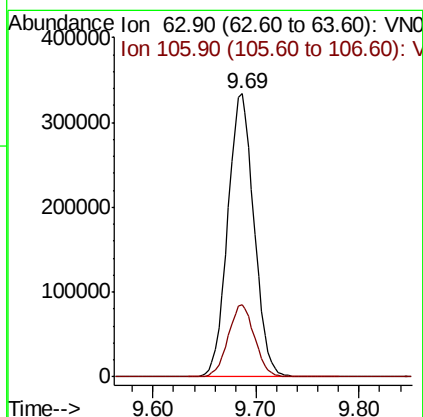
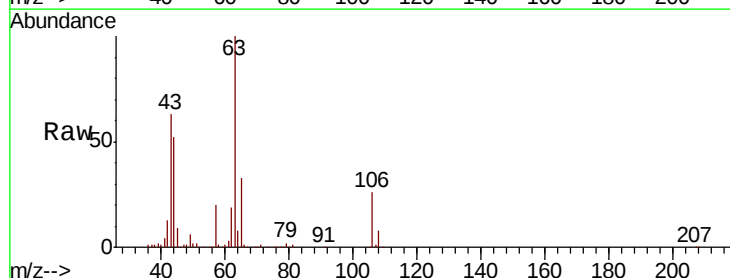
Acq: 20 Nov 2019 12:30

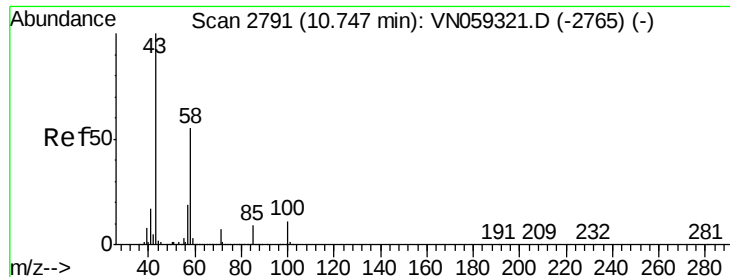
Tgt Ion: 63 Resp: 592487

Ion Ratio Lower Upper

63 100

106 25.6 20.2 30.2





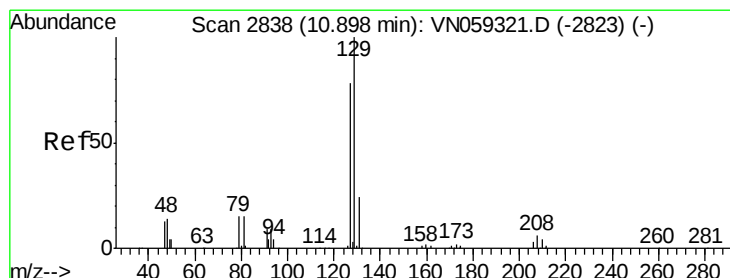
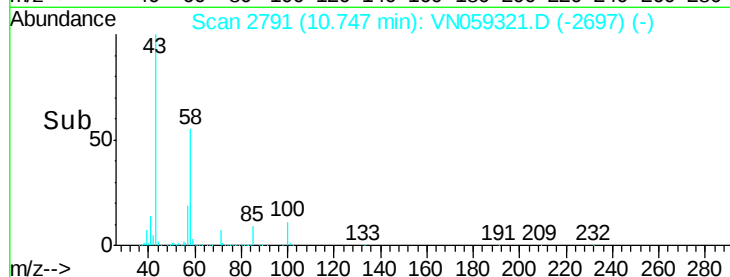
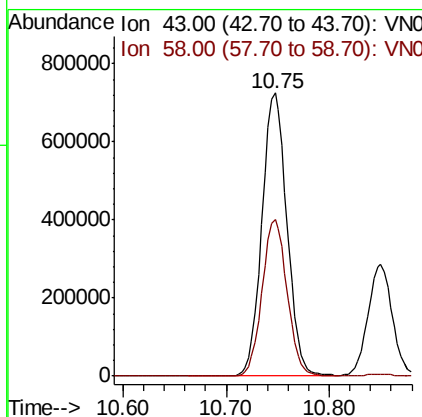
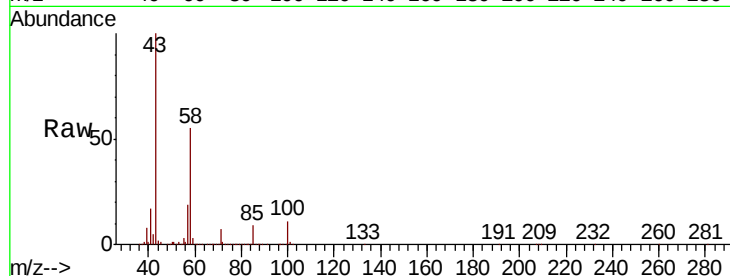
#59
2-Hexanone
Concen: 280.799 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1218520
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8

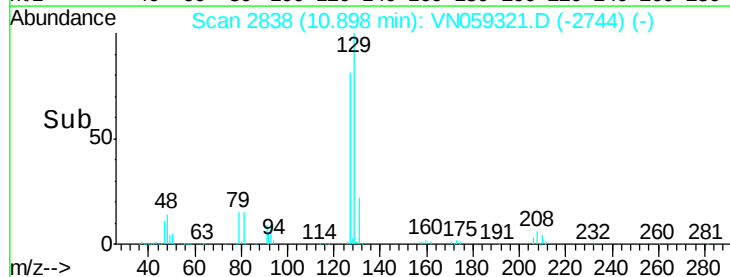
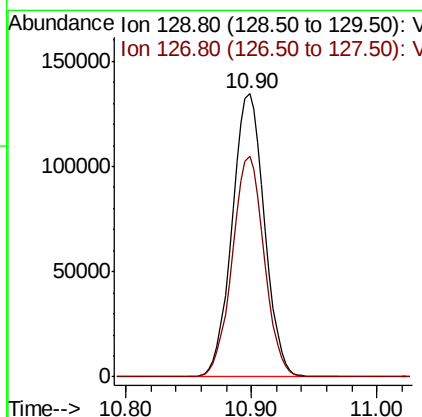
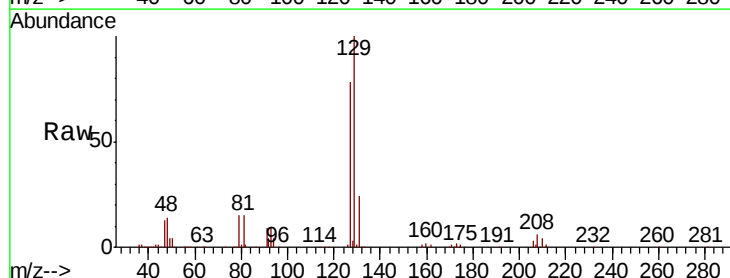
Manual Integrations
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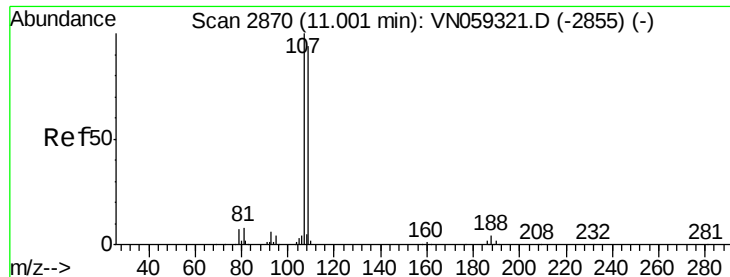
MMDadoda
11/21/2019 11:07:53 AM



#60
Dibromochloromethane
Concen: 55.279 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 129 Resp: 240522
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.658 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 231872

Ion Ratio Lower Upper

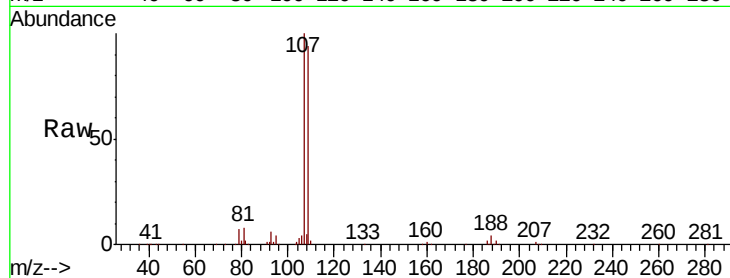
107 100

109 94.3 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

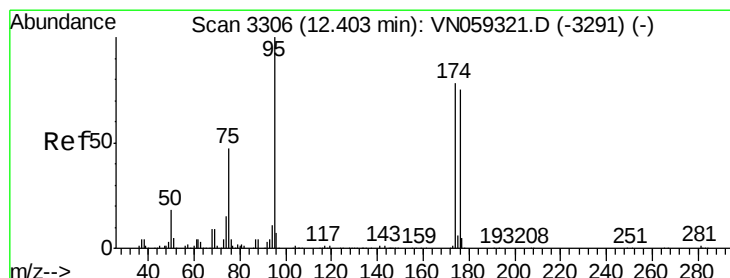
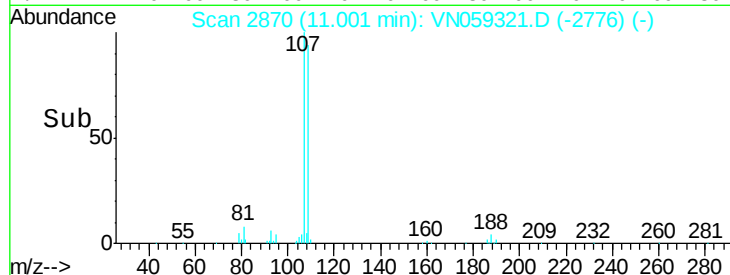
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.783 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

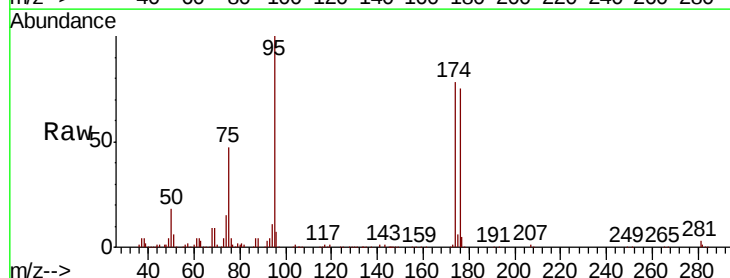
Tgt Ion: 95 Resp: 264677

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.2

176 75.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

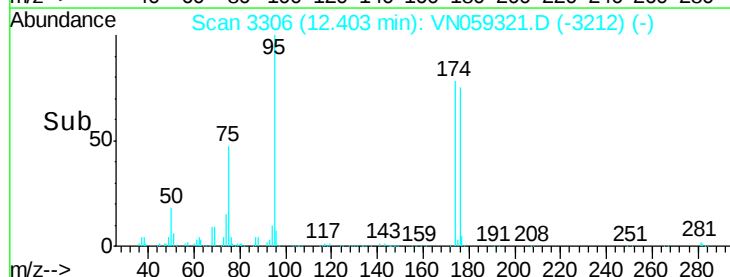
150000

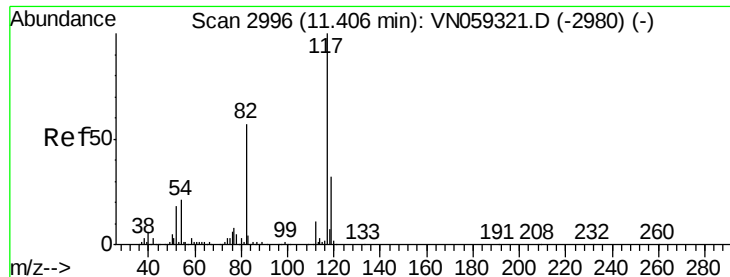
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

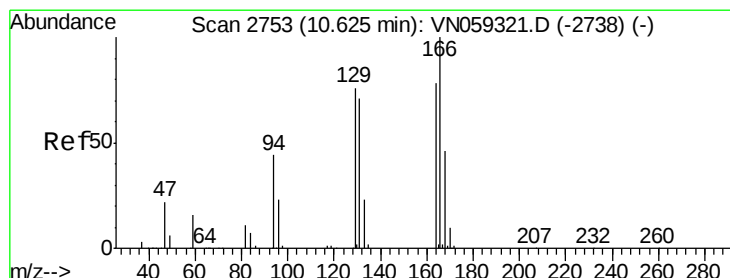
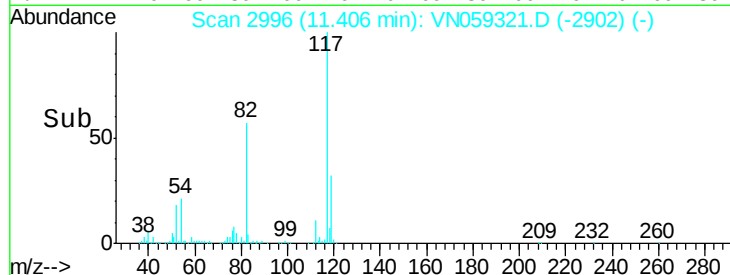
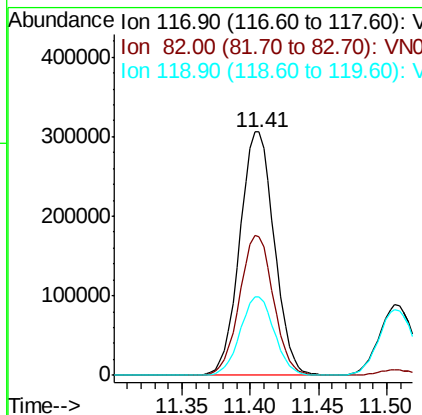
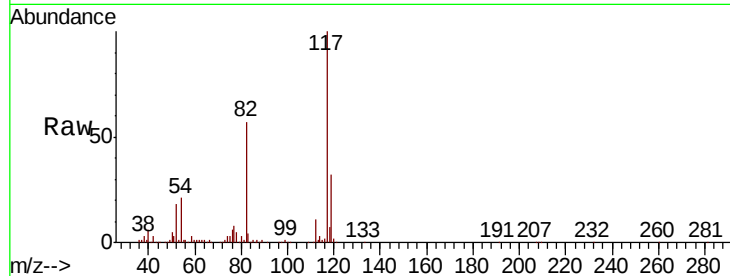
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	537747
Ion Ratio		Lower	Upper
117	100		
82	57.1	45.8	68.8
119	32.2	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 56.828 ug/l

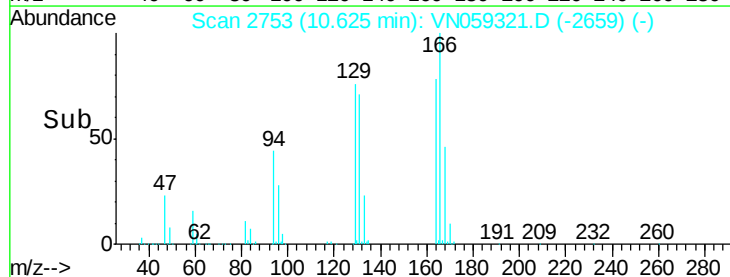
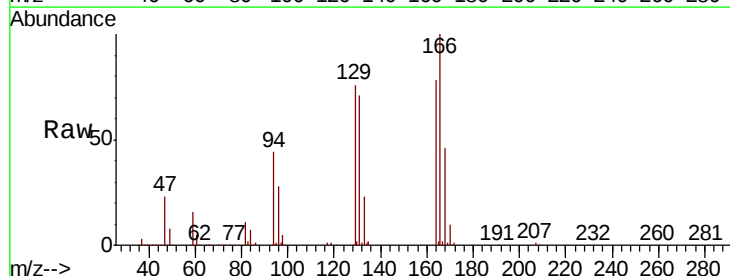
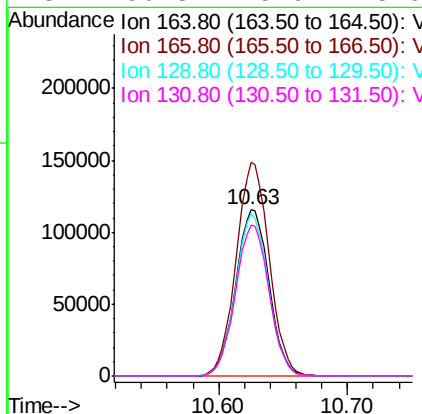
RT: 10.63 min Scan# 2753

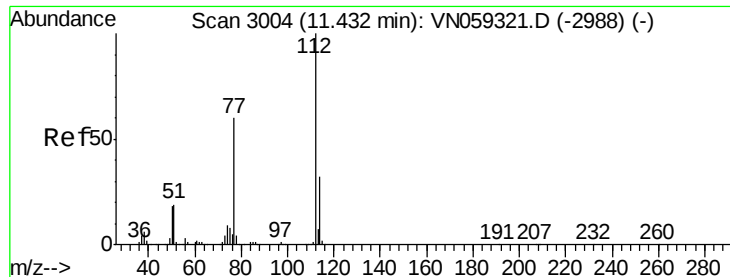
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	164	Resp:	207797
Ion Ratio		Lower	Upper
164	100		
166	128.6	101.5	152.3
129	97.7	78.3	117.5
131	90.8	75.9	113.9





#65

Chlorobenzene

Concen: 55.738 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 584293

Ion Ratio Lower Upper

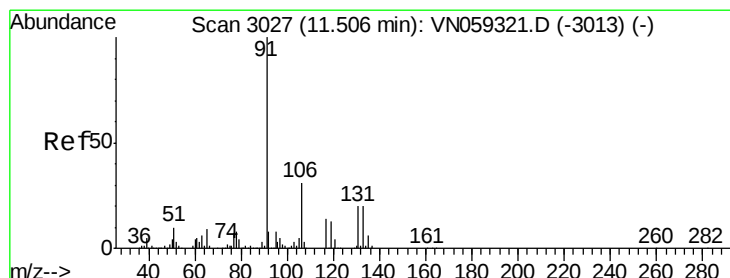
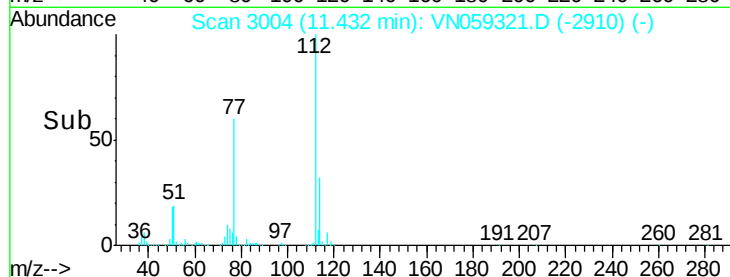
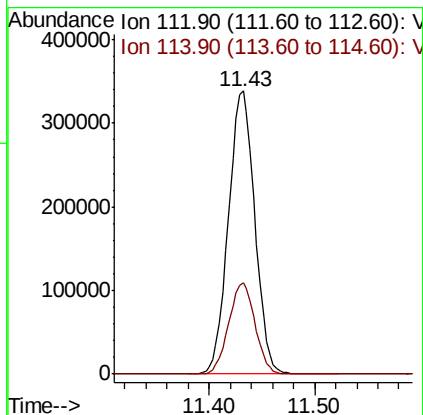
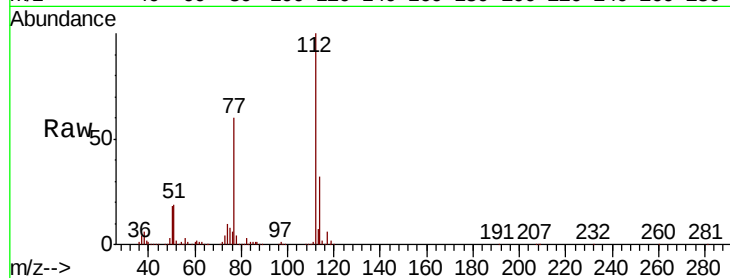
112 100

114 32.2 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.682 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

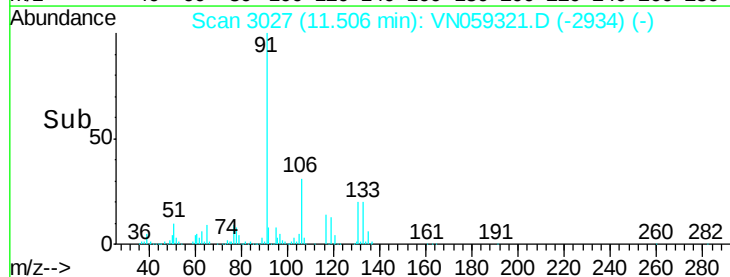
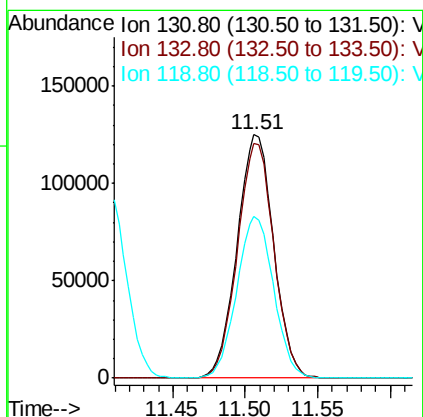
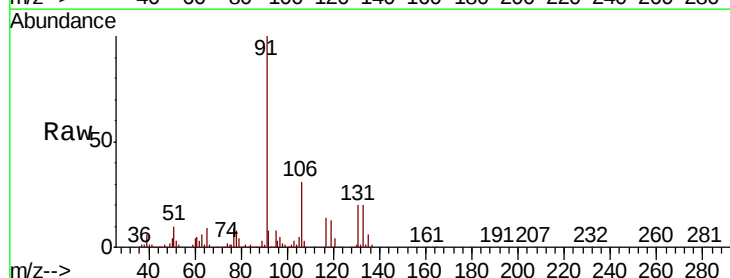
Tgt Ion:131 Resp: 218960

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

119 67.1 33.2 99.6





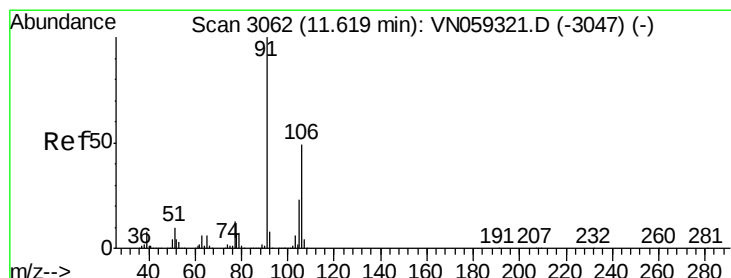
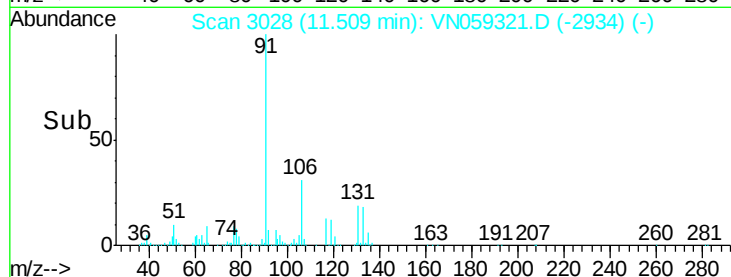
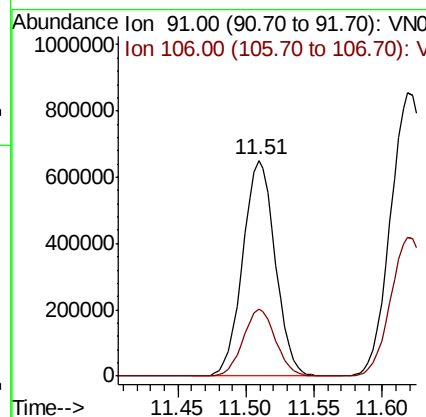
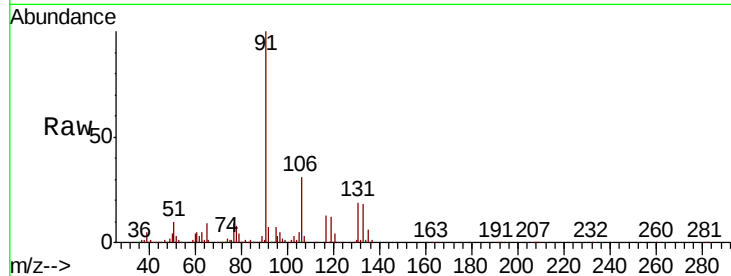
#67
Ethyl Benzene
Concen: 57.783 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1074693
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

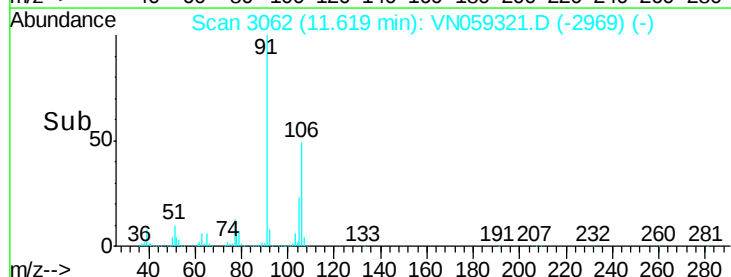
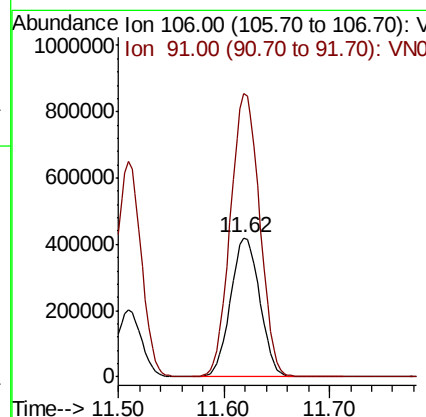
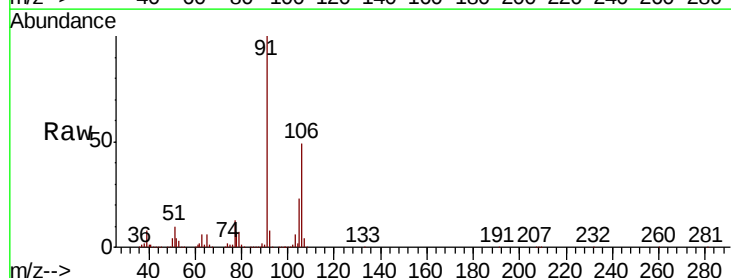
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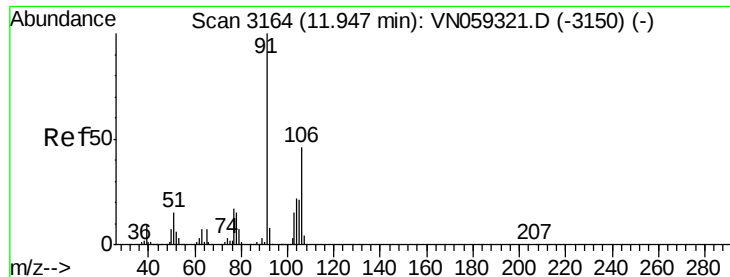
MMDadoda
11/21/2019 11:07:53 AM



#68
m/p-Xylenes
Concen: 115.605 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 106 Resp: 805408
Ion Ratio Lower Upper
106 100
91 204.0 164.7 247.1





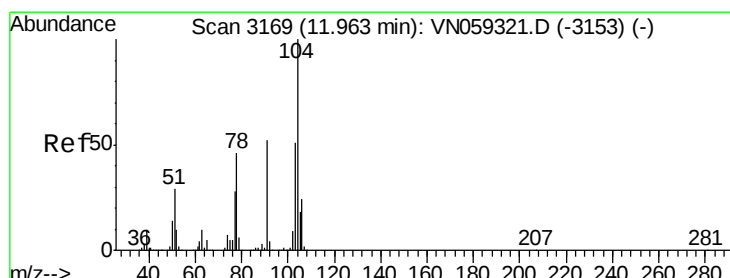
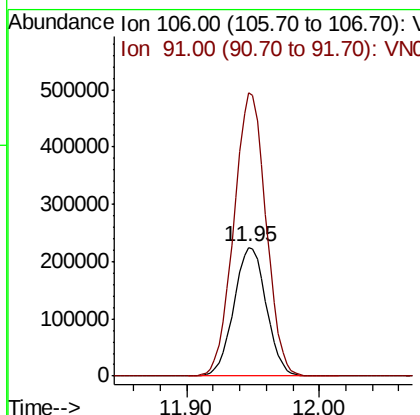
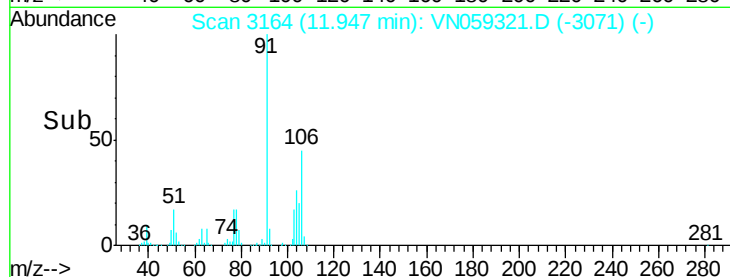
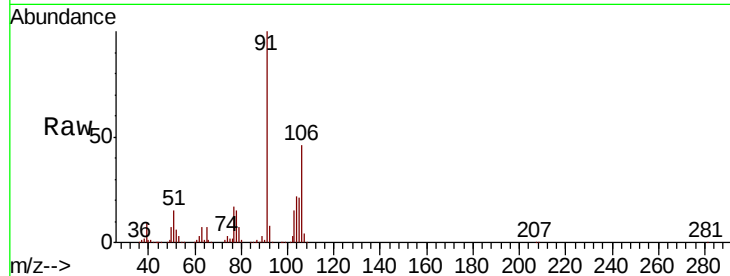
#69
o-Xylene
Concen: 56.589 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	381001		
91	91	218.6	110.1	330.3	

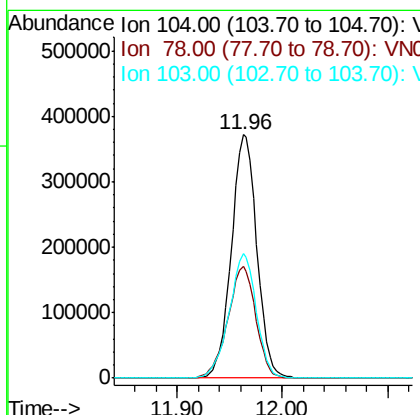
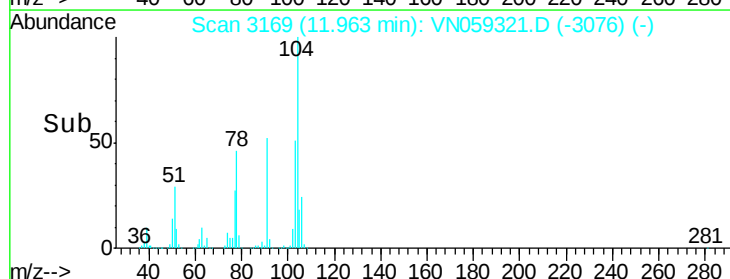
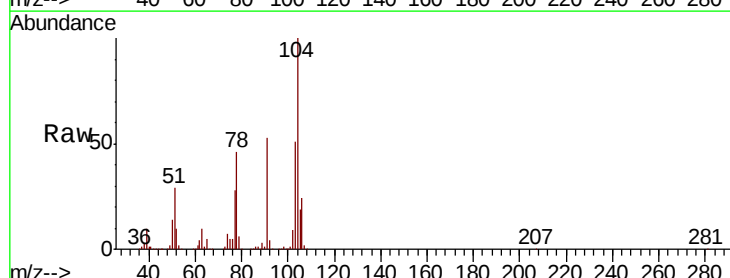
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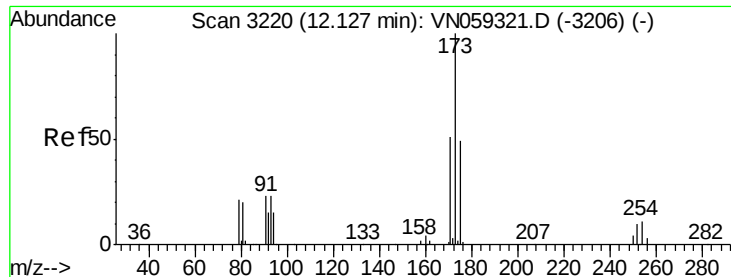
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#70
Styrene
Concen: 58.575 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	620249		
78	78	50.4	41.2	61.8	
103	103	54.5	43.8	65.6	





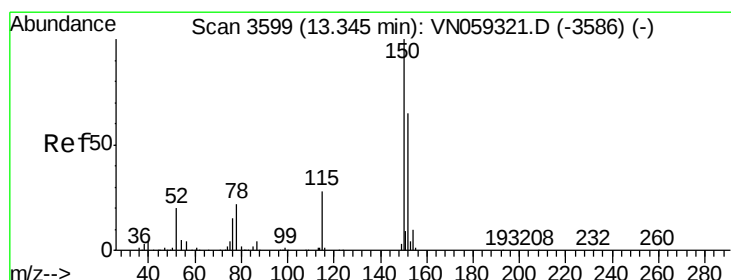
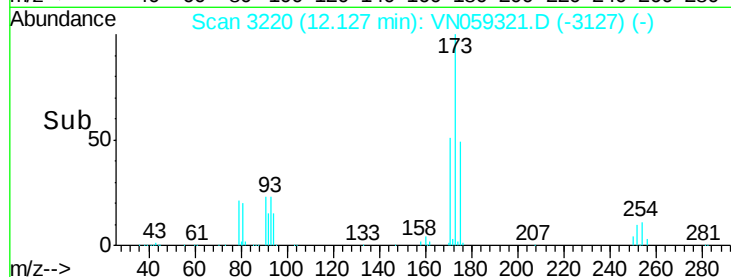
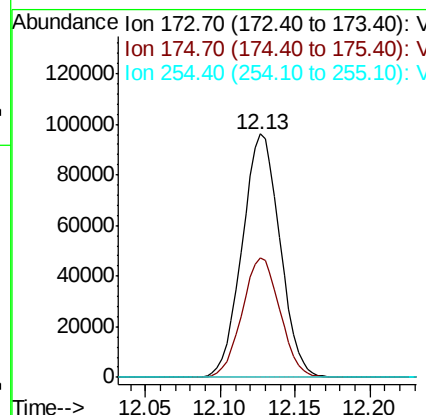
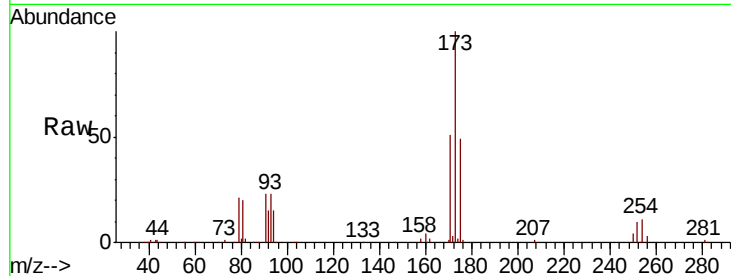
#71
Bromoform
Concen: 55.361 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.1	0.1	0.1

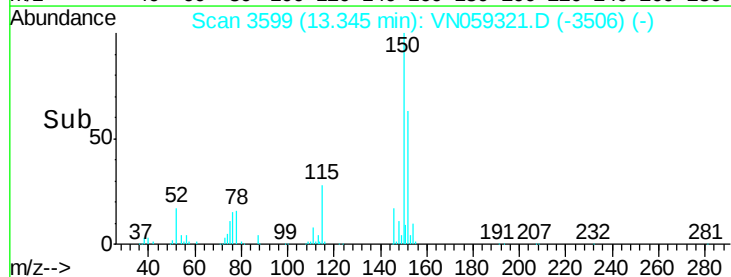
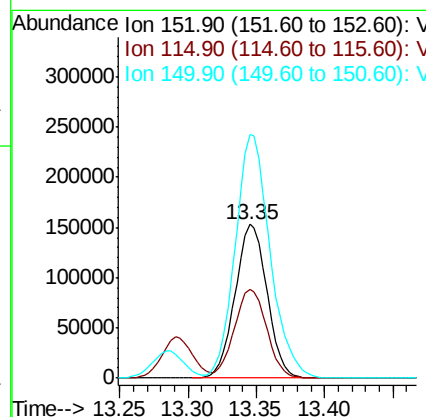
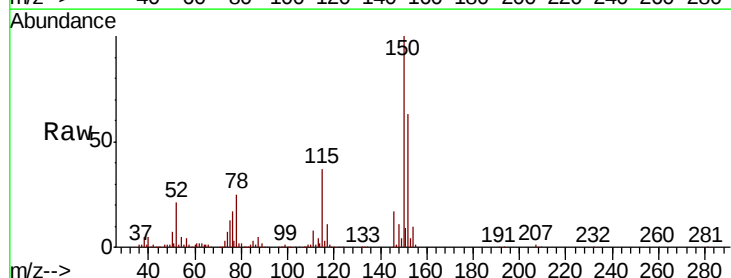
Manual Integrations
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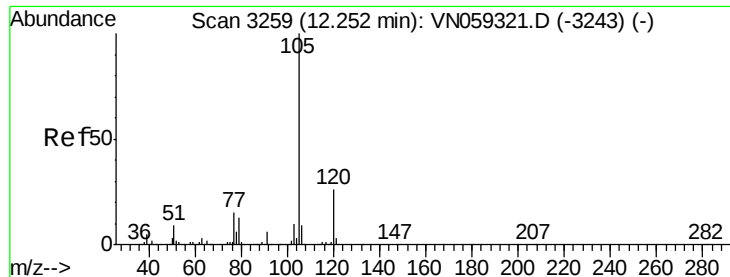
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.4	88.2
150	173.0	0.0	345.8





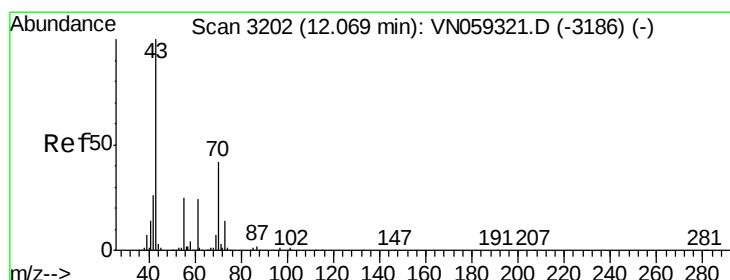
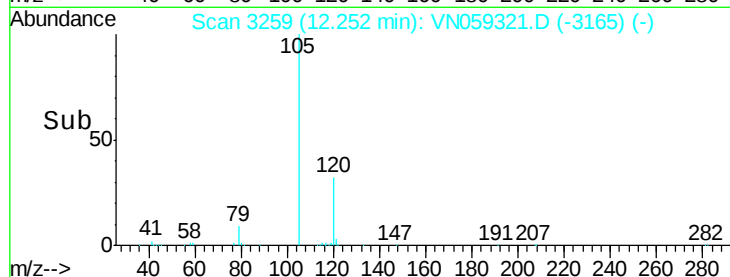
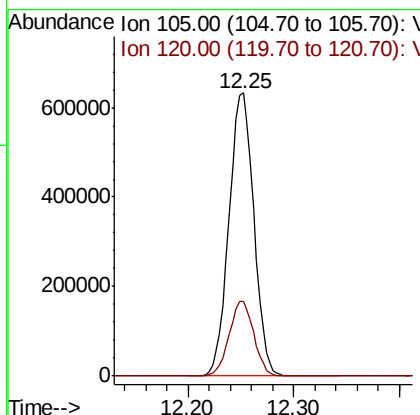
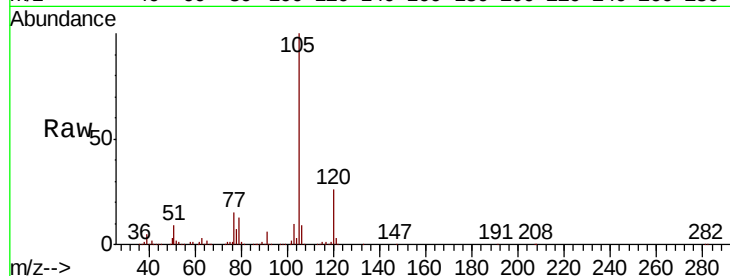
#73
Isopropylbenzene
Concen: 56.957 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1031026
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

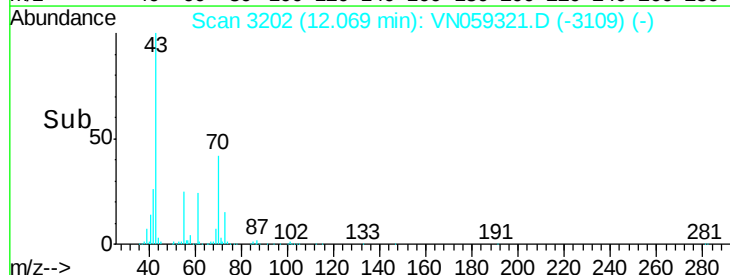
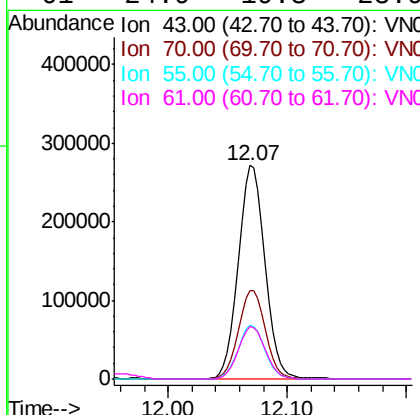
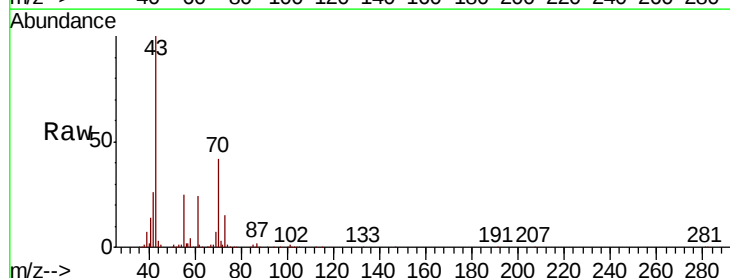
Manual Integrations
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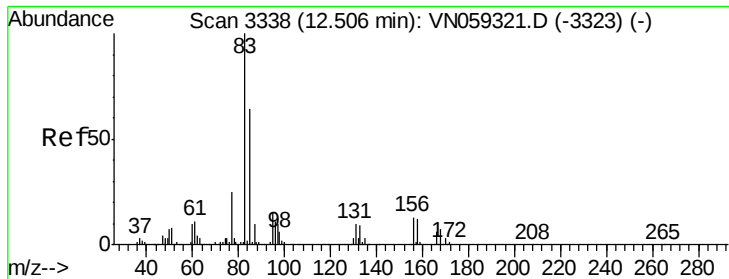
MMDadoda
11/21/2019 11:07:53 AM



#74
N-ethyl acetate
Concen: 55.023 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 43 Resp: 422054
Ion Ratio Lower Upper
43 100
70 42.2 32.2 48.4
55 25.4 20.4 30.6
61 24.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.069 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

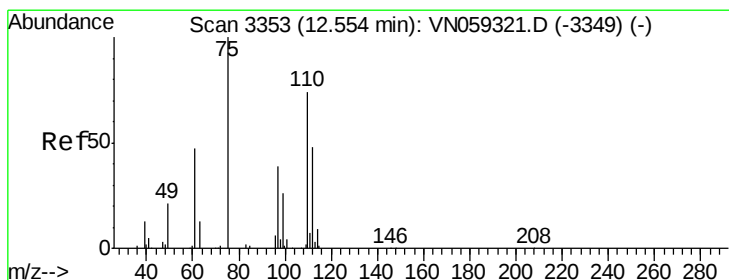
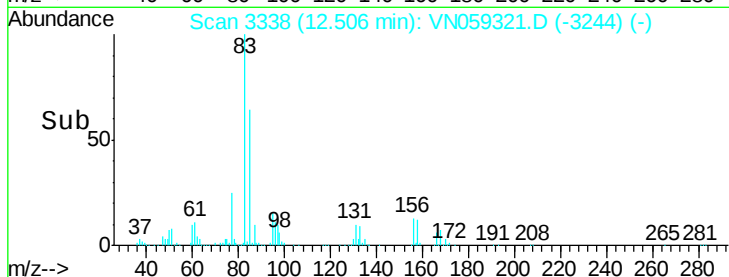
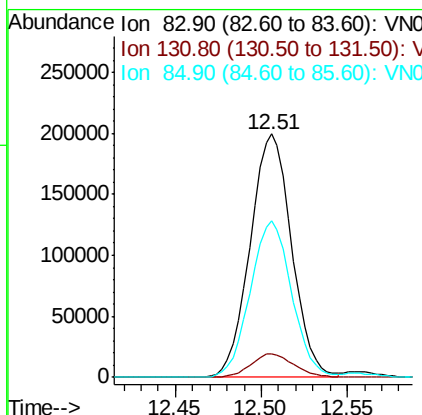
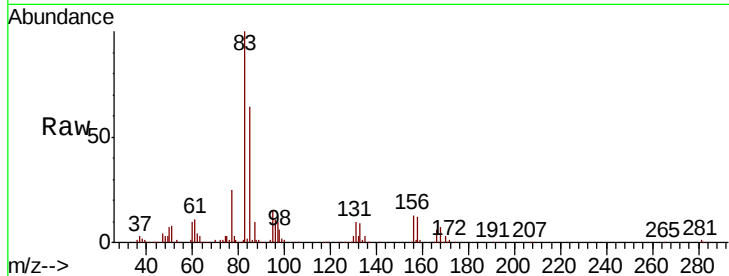
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	333311
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.2	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.761 ug/l m

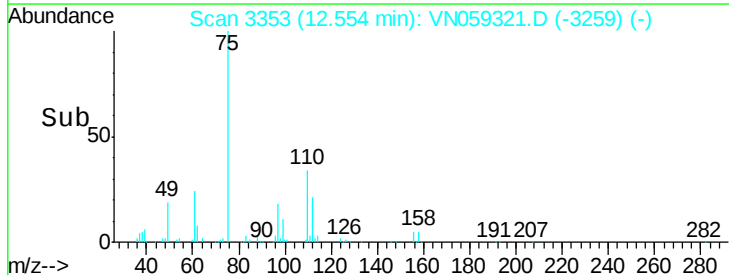
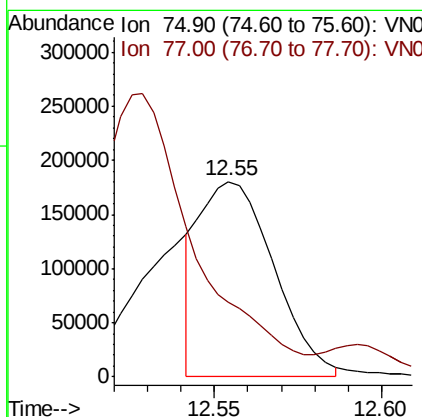
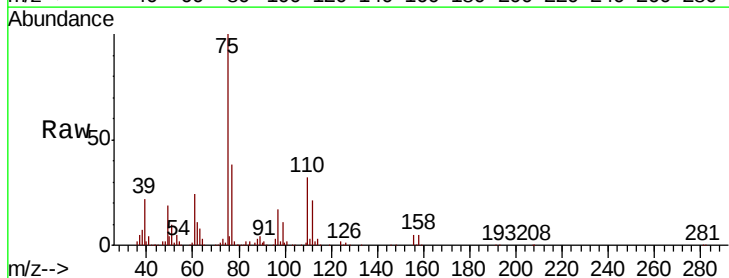
RT: 12.55 min Scan# 3353

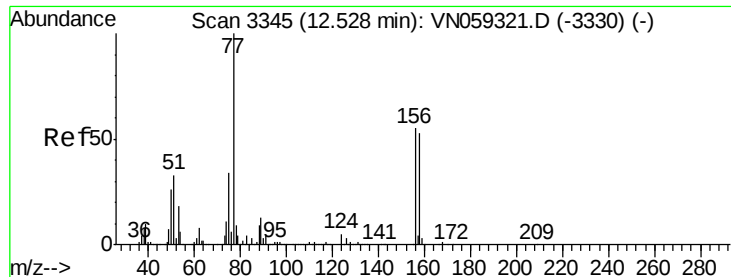
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	75	Resp:	281928
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.867 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

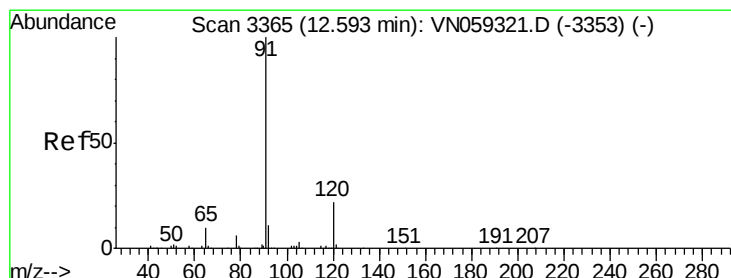
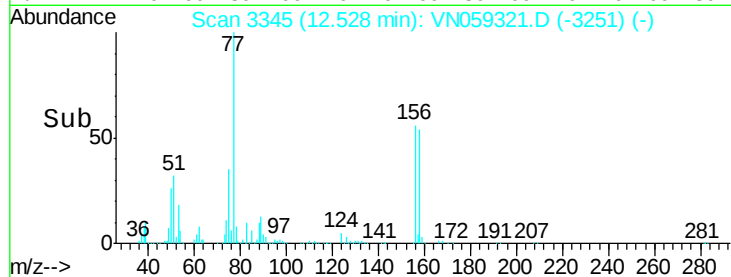
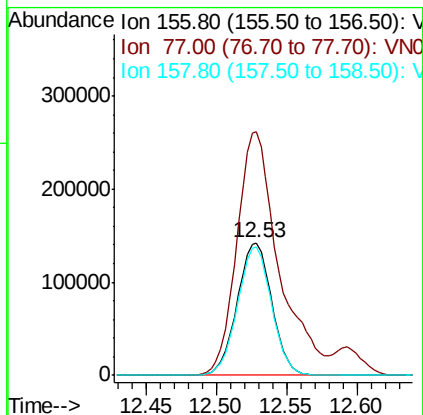
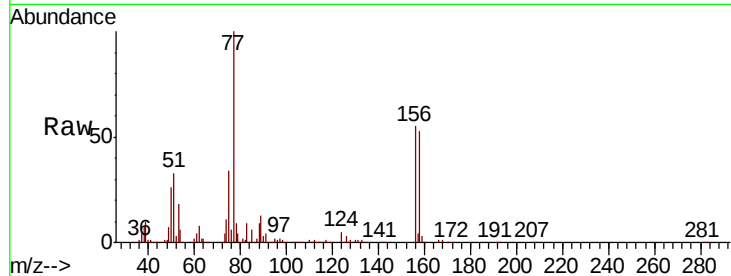
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	244985
Ion Ratio	Lower	Upper	
156	100		
77	222.3	112.8	338.3
158	95.6	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 57.854 ug/l

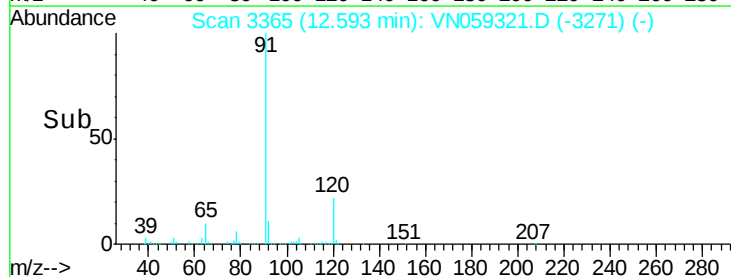
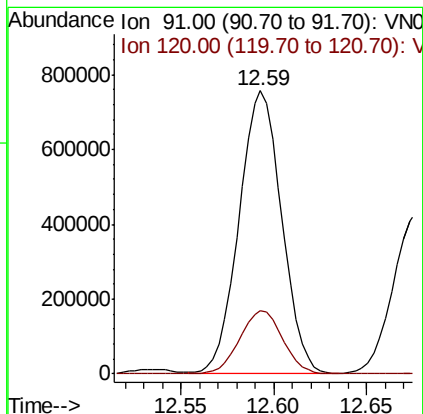
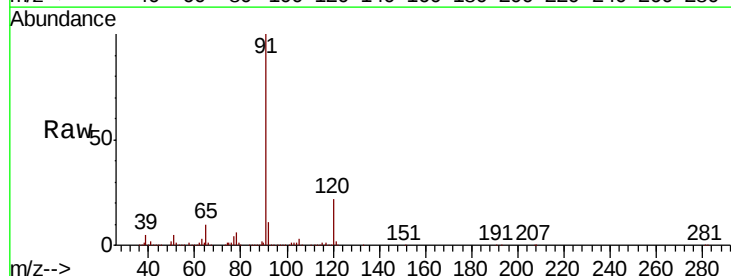
RT: 12.59 min Scan# 3365

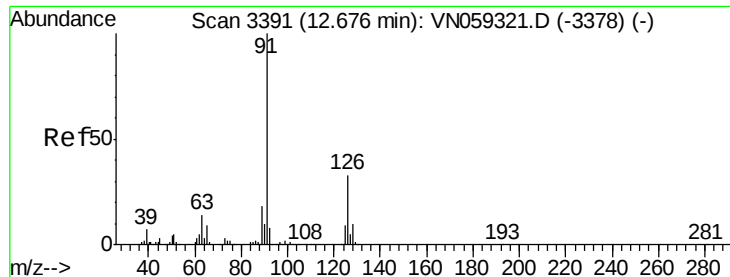
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	91	Resp:	1199127
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 54.520 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 701006

Ion Ratio Lower Upper

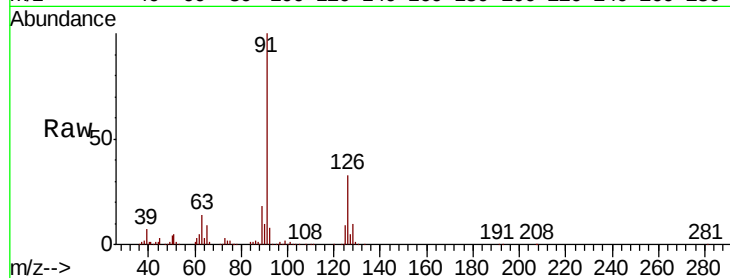
91 100

126 33.4 16.7 50.1

Manual Integrations
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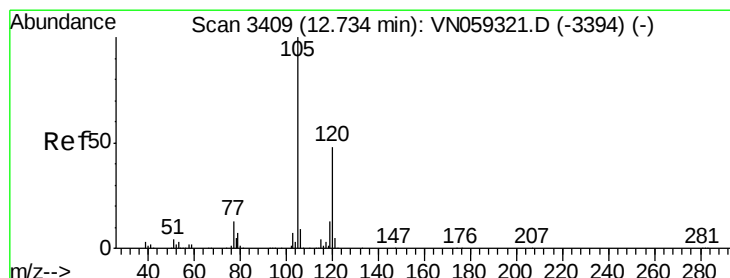
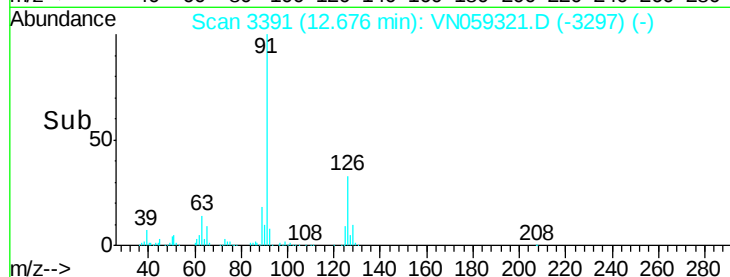
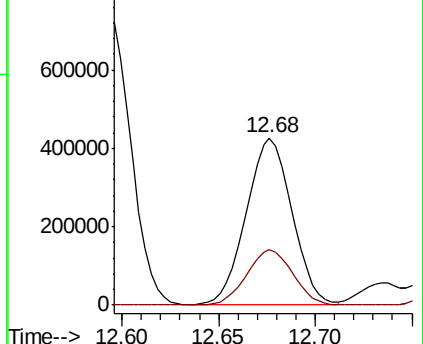
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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.276 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059321.D

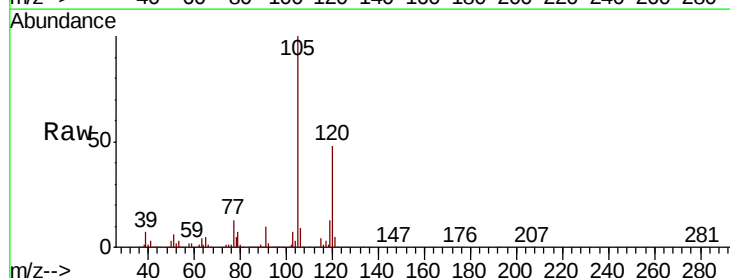
Acq: 20 Nov 2019 12:30

Tgt Ion: 105 Resp: 863208

Ion Ratio Lower Upper

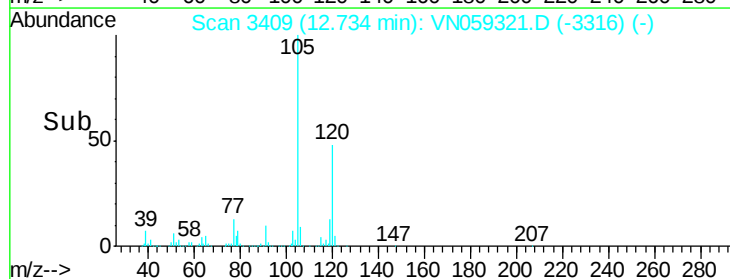
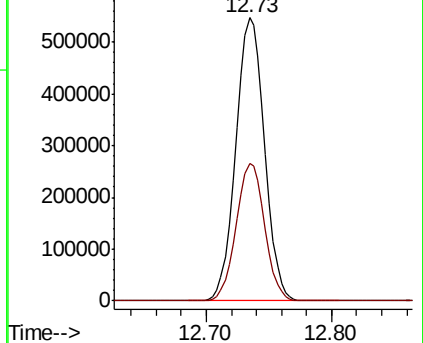
105 100

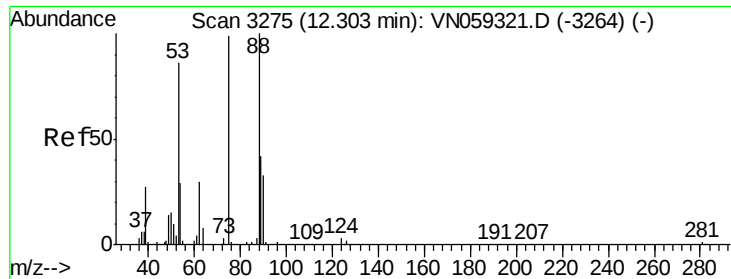
120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)





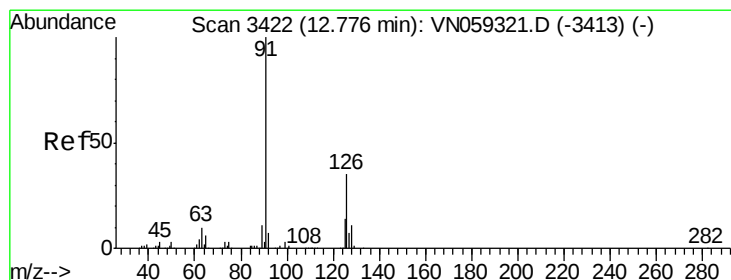
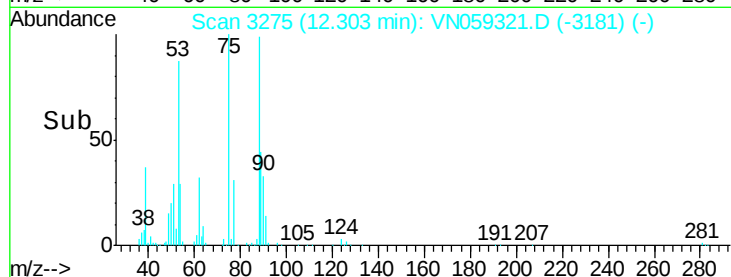
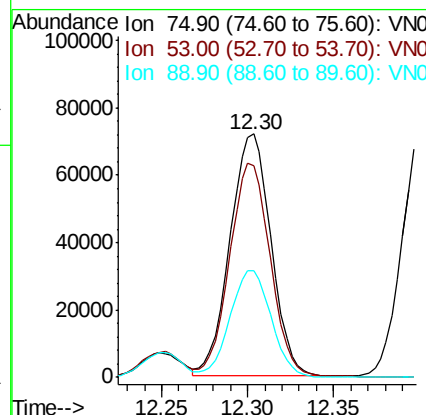
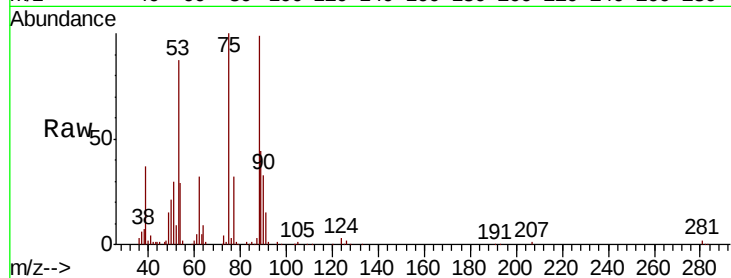
#81
trans-1,4-Dichloro-2-butene
Concen: 55.705 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	72.2	108.2
89	44.2	35.8	53.8

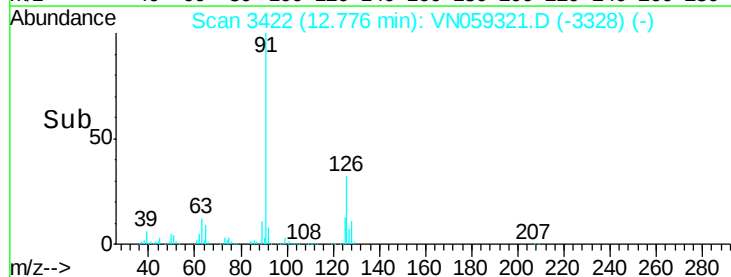
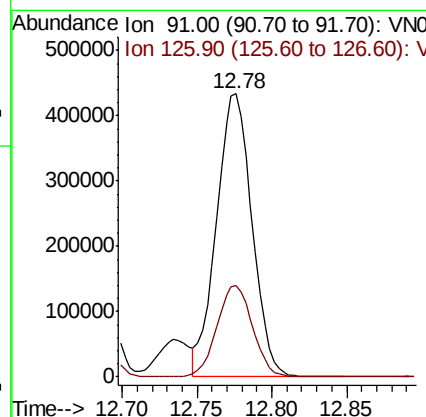
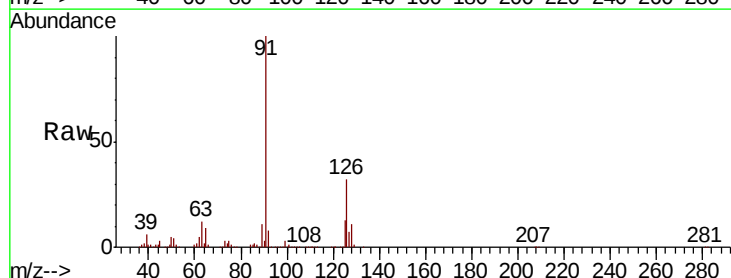
Manual Integrations
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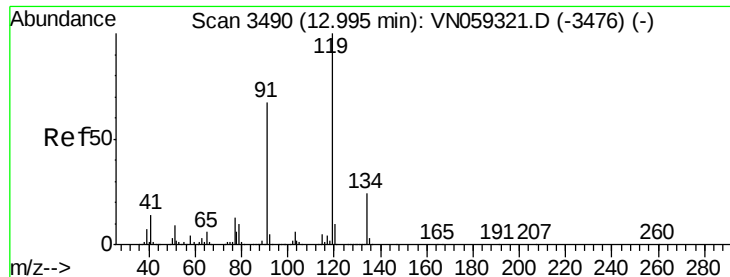
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#82
4-Chlorotoluene
Concen: 55.407 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





#83

tert-Butylbenzene

Concen: 55.380 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

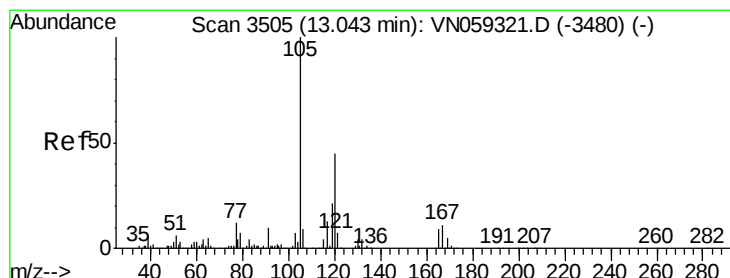
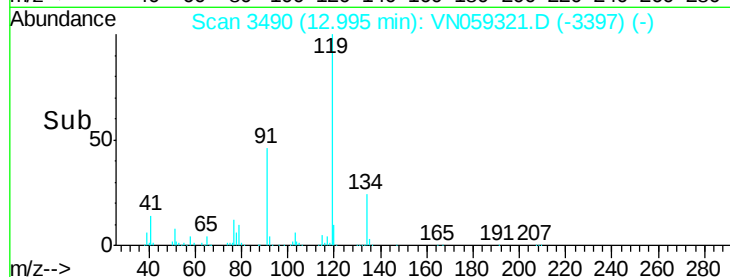
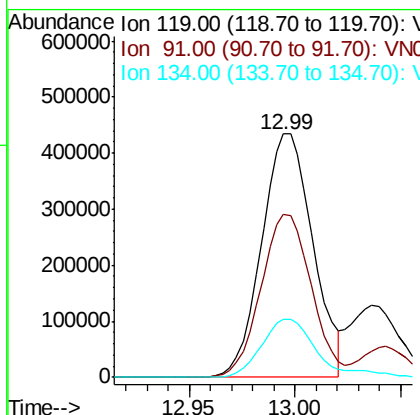
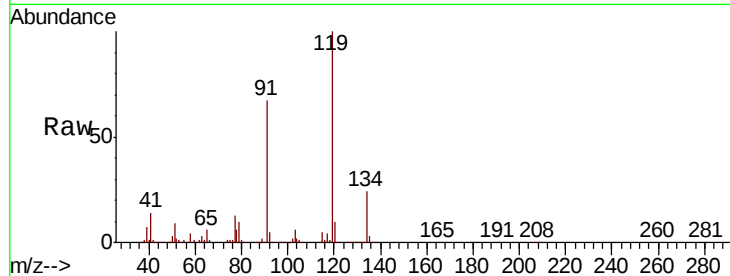
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	733579
Ion Ratio	Lower	Upper	
119	100		
91	65.6	33.2	99.6
134	25.9	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 57.685 ug/l

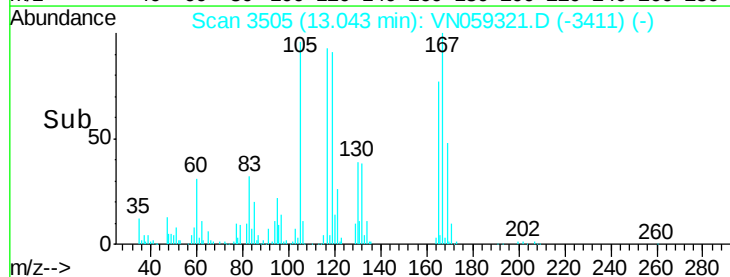
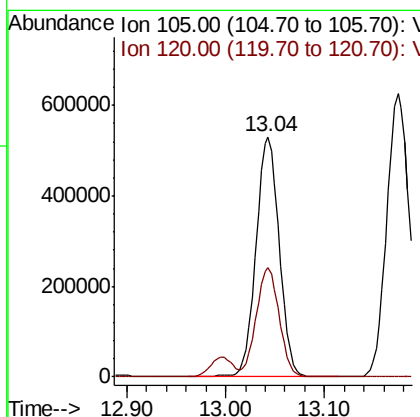
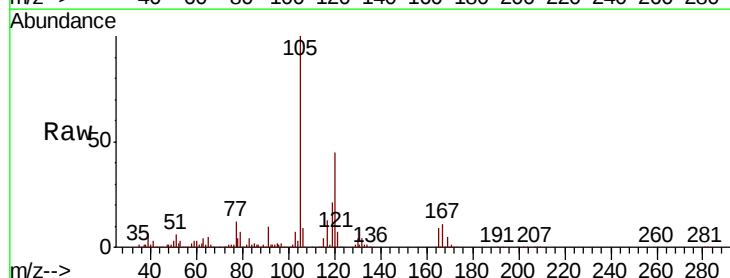
RT: 13.04 min Scan# 3505

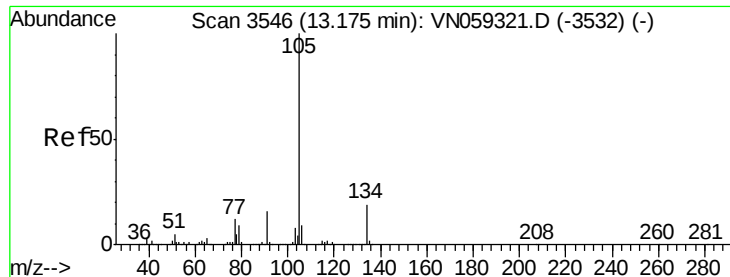
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	105	Resp:	856052
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 57.694 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 993911

Ion Ratio Lower Upper

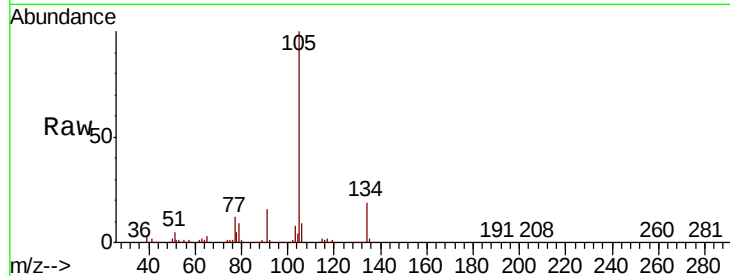
105 100

134 19.5 9.7 29.1

Manual Integrations
APPROVED

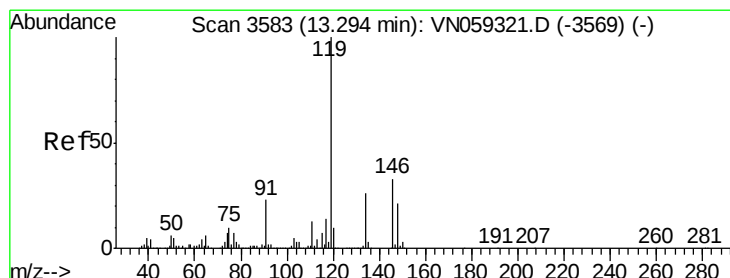
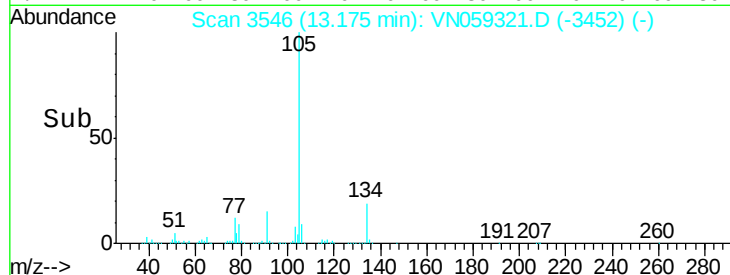
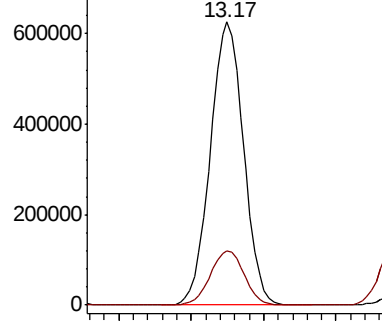
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.898 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

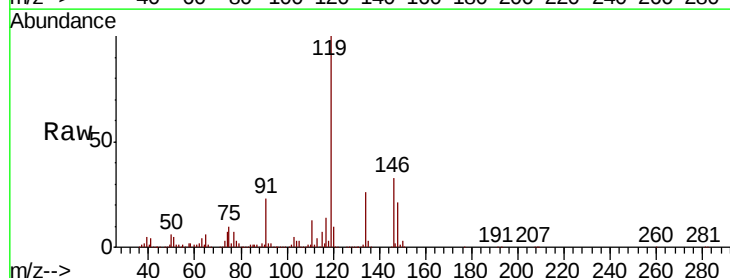
Tgt Ion:119 Resp: 895904

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

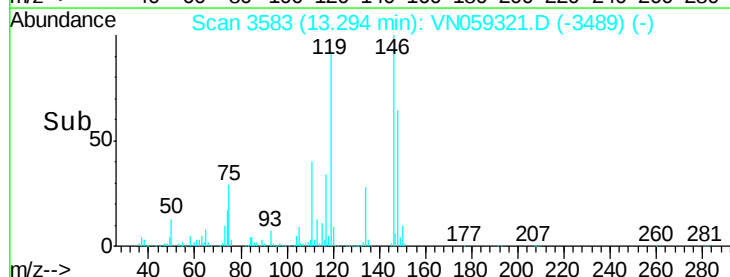
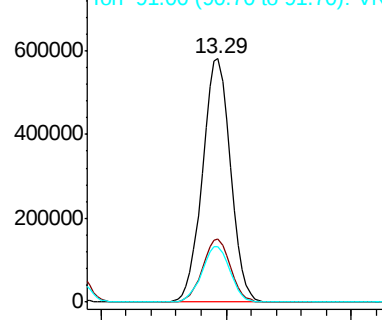
91 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.808 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059321.D

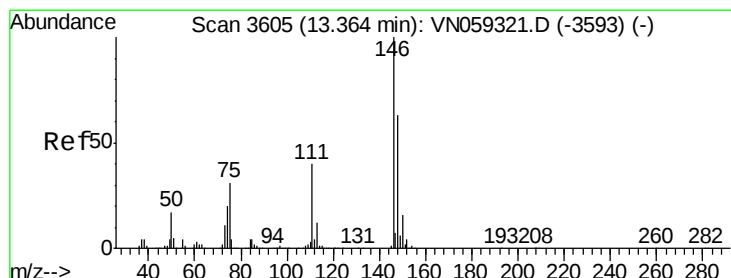
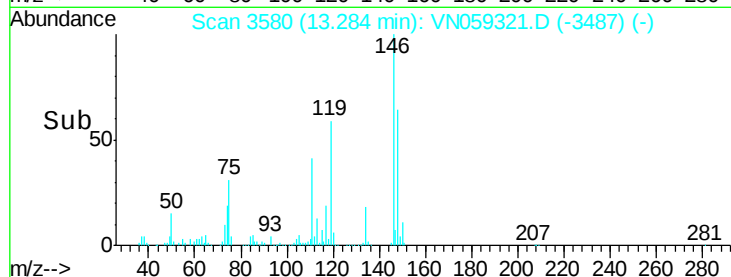
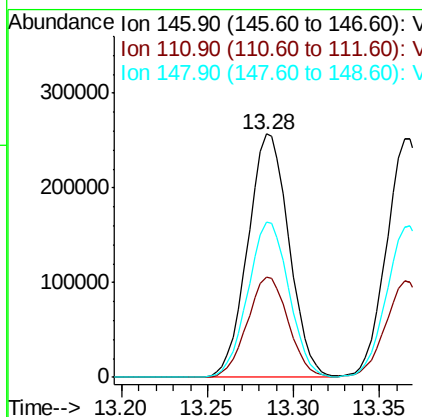
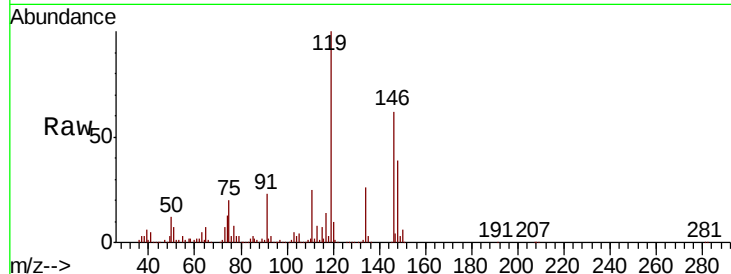
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.239 ug/l

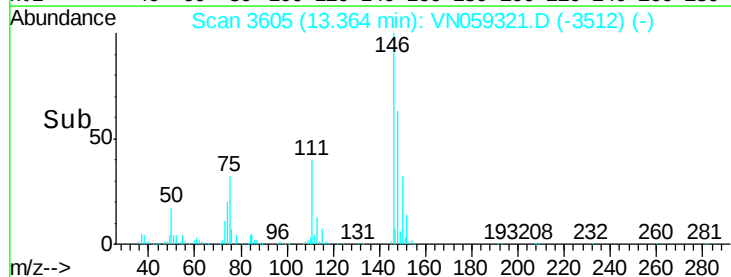
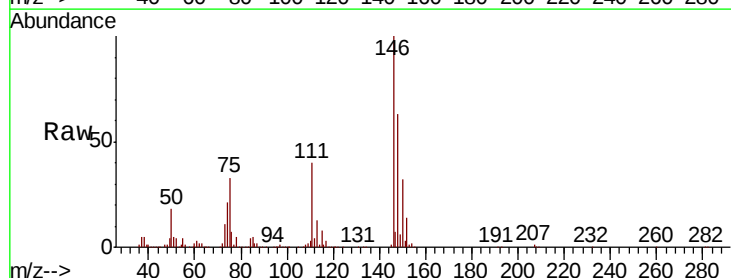
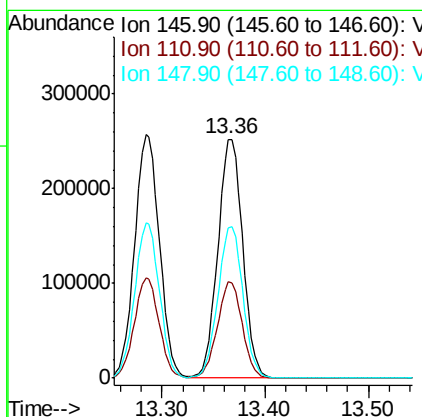
RT: 13.36 min Scan# 3605

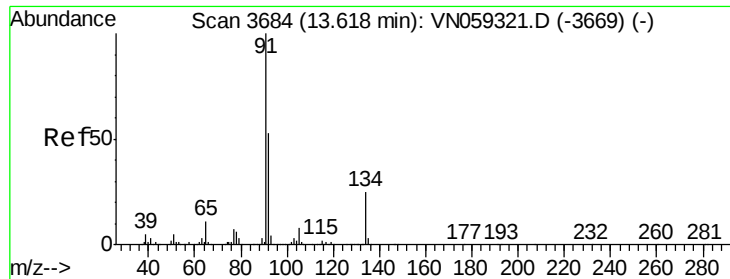
Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	63.4	31.9	95.7





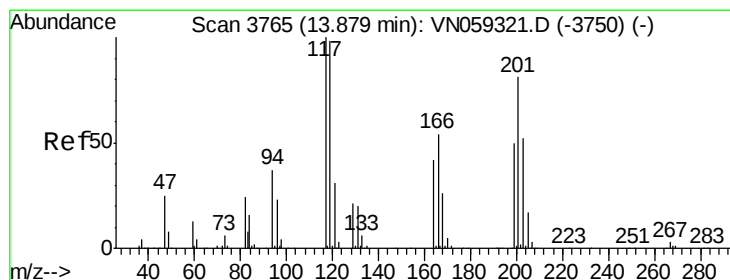
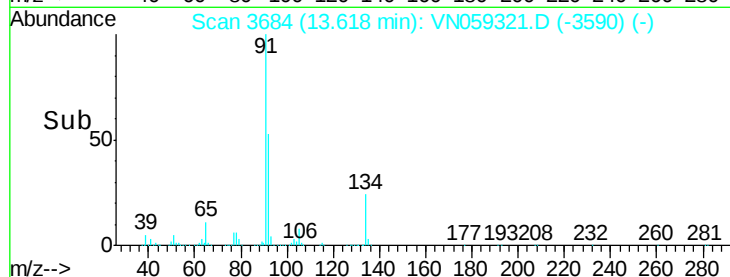
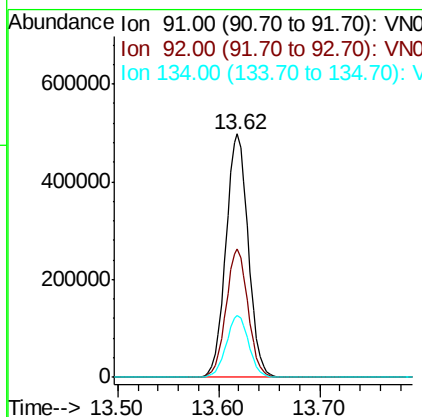
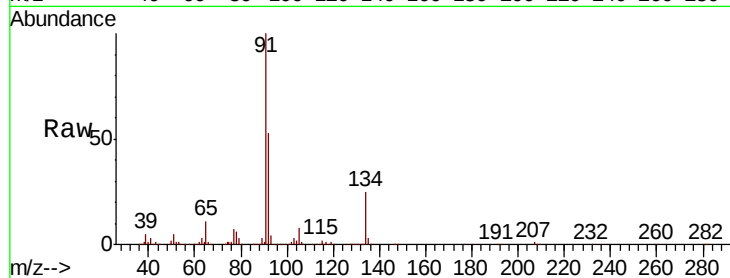
#89
n-Butylbenzene
Concen: 57.887 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.3
134	25.4	12.6	37.8

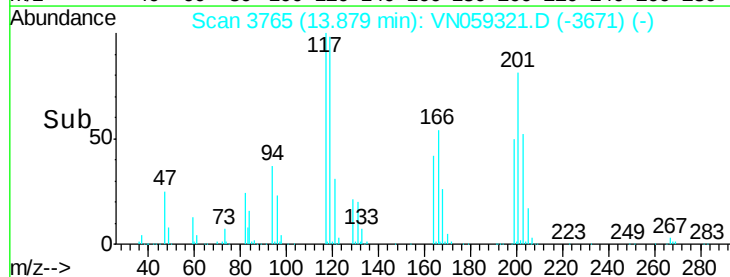
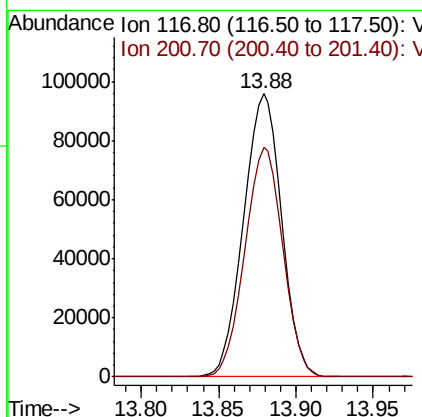
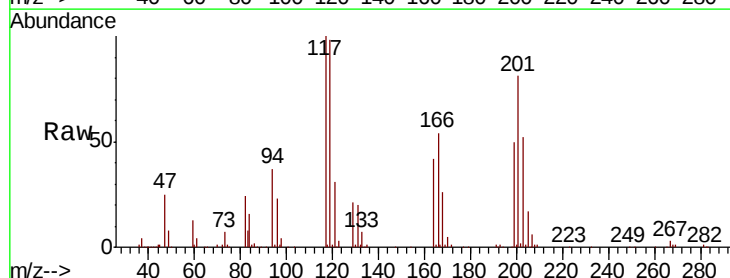
Manual Integrations
APPROVED

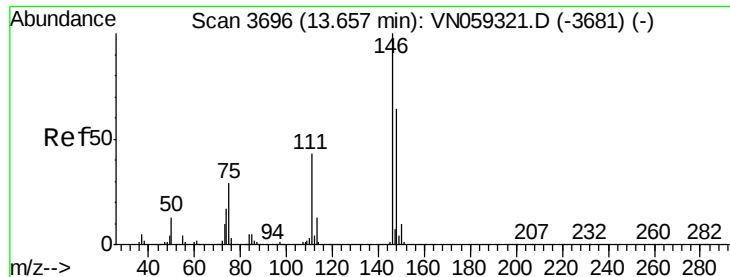
MMDadoda
11/21/2019 11:07:53 AM



#90
Hexachloroethane
Concen: 53.802 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 54.555 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

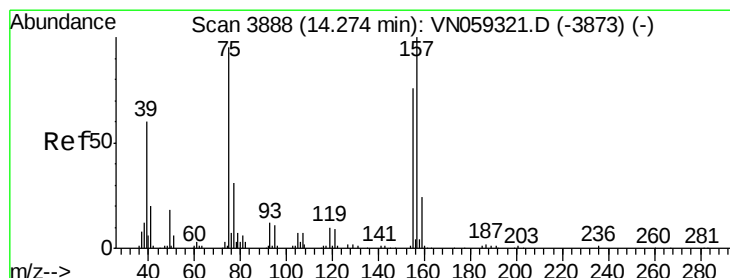
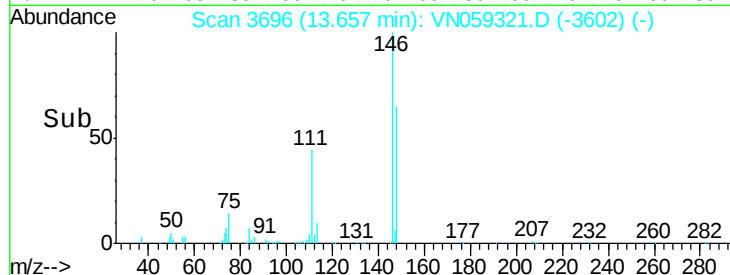
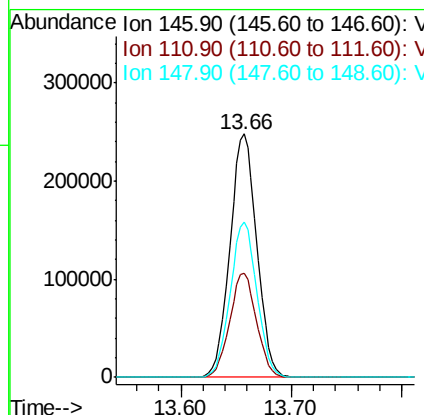
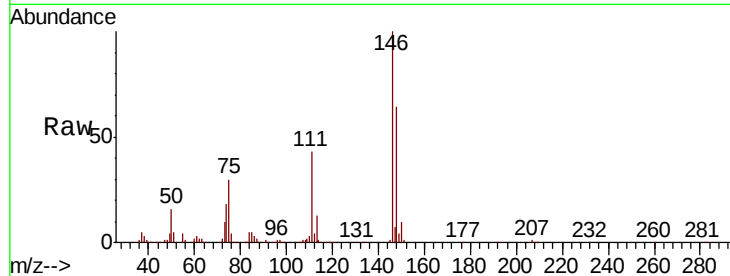
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	417952
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.2	63.6
148	63.7	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.525 ug/l

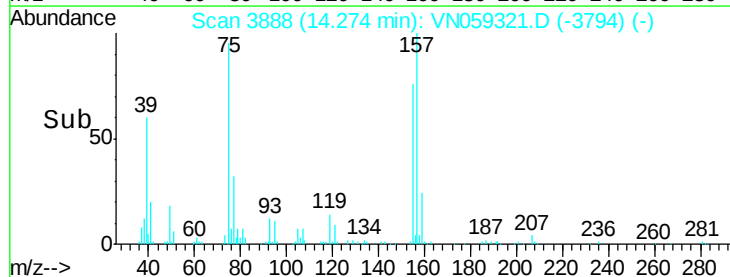
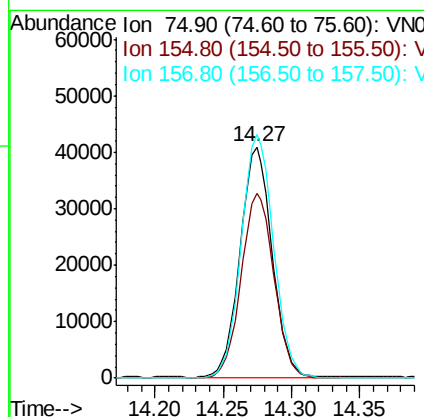
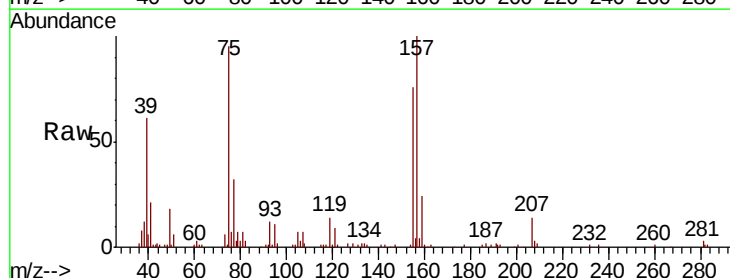
RT: 14.27 min Scan# 3888

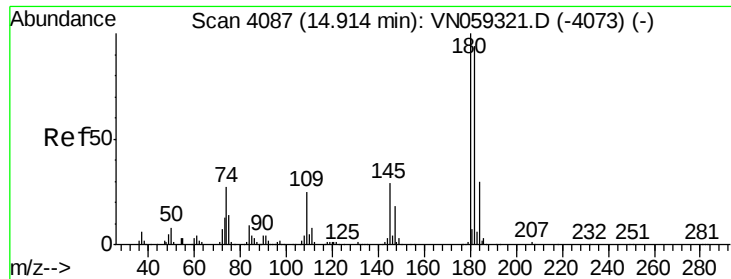
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion:	75	Resp:	67514
Ion Ratio	Lower	Upper	
75	100		
155	81.0	40.2	120.6
157	105.4	51.8	155.5





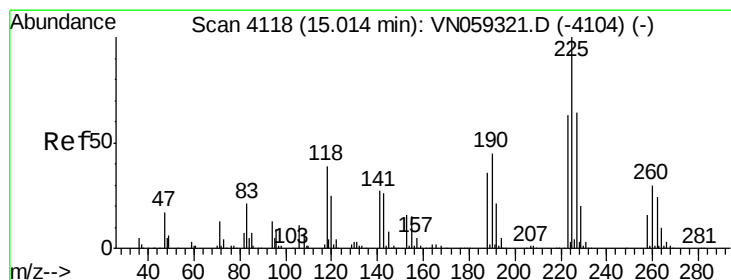
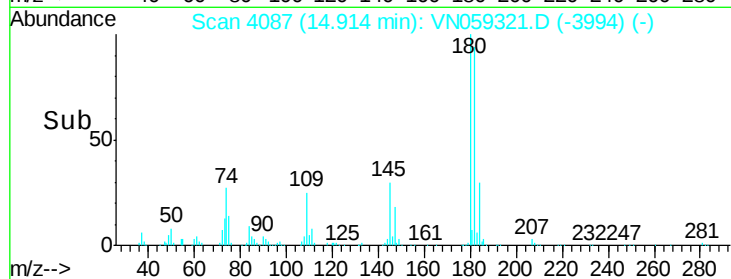
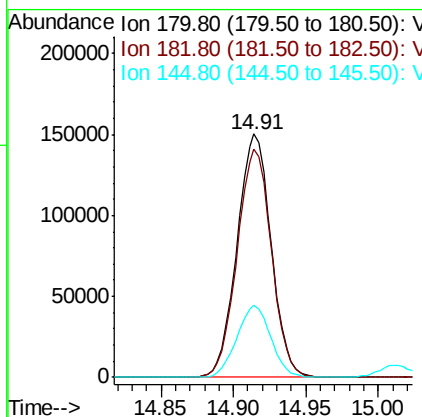
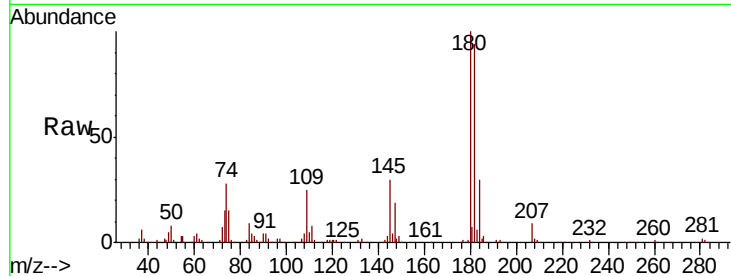
#93
 1,2,4-Trichlorobenzene
 Concen: 59.728 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245125		
182	94.4	48.1	144.3	
145	29.7	15.1	45.3	

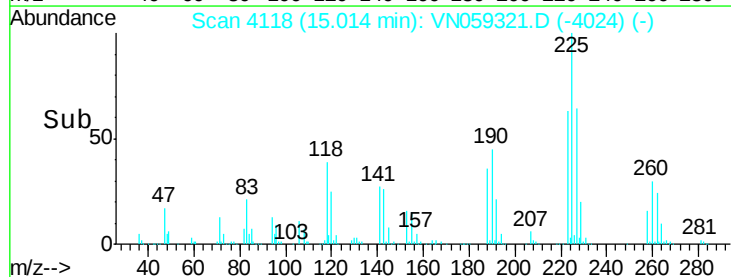
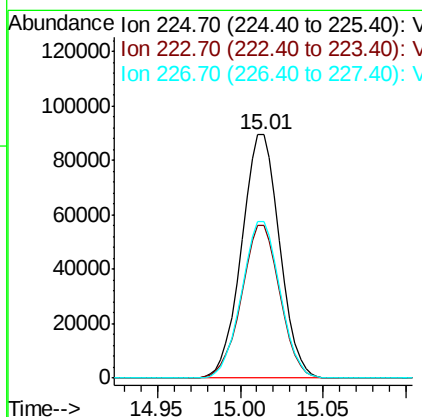
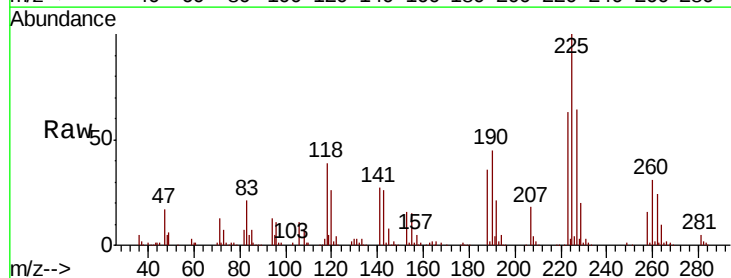
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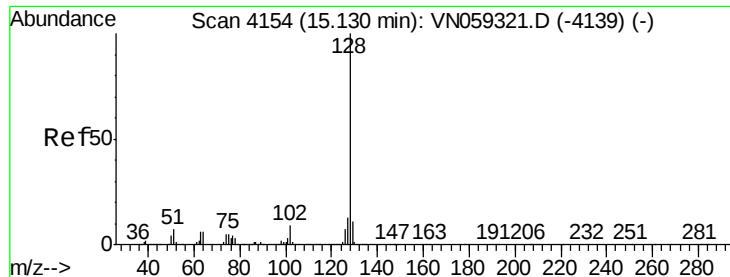
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#94
 Hexachlorobutadiene
 Concen: 54.061 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142806		
223	63.2	31.3	93.9	
227	65.1	31.5	94.5	





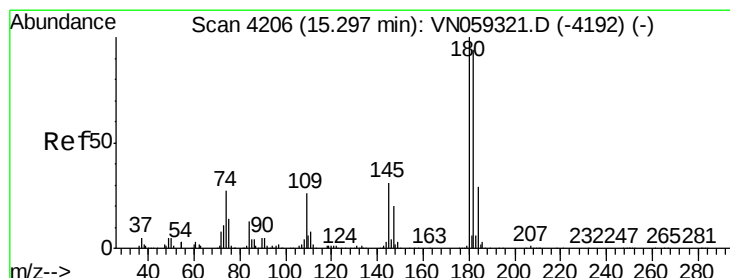
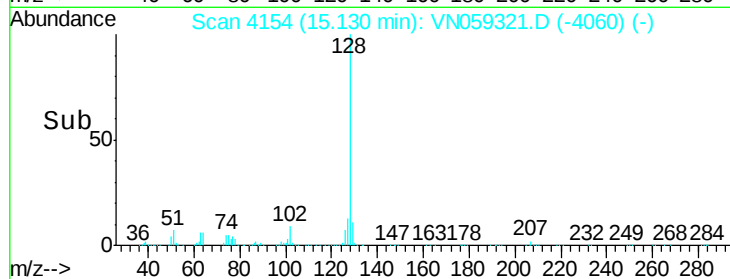
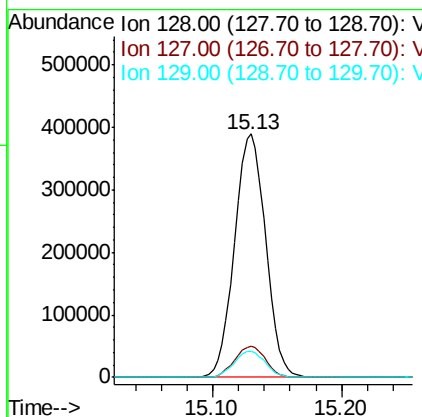
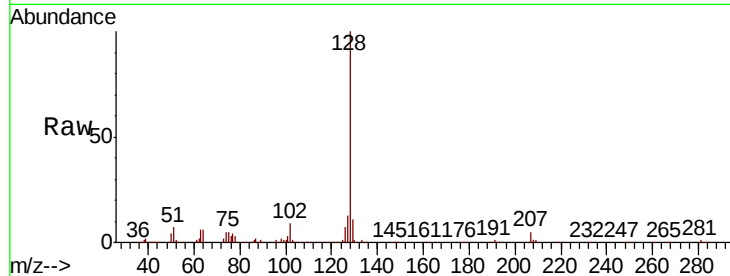
#95
Naphthalene
Concen: 57.975 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.367 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	31.2	15.8	47.3

