

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058418.D
 Acq On : 27 Sep 2019 19:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:19:04 AM

Quant Time: Sep 30 08:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	452358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	695968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325853	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.57	113	239760	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.08	98	940149	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.41	95	348554	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	244787	49.351	ug/l	98
3) Chloromethane	2.04	50	262202	48.084	ug/l	99
4) Vinyl Chloride	2.17	62	264239	49.466	ug/l	98
5) Bromomethane	2.54	94	145658	51.335	ug/l	100
6) Chloroethane	2.68	64	159319	49.776	ug/l	98
7) Trichlorofluoromethane	3.00	101	314640	48.809	ug/l	97
8) Diethyl Ether	3.39	74	141845	50.998	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	216527	49.458	ug/l	98
10) Methyl Iodide	3.93	142	268610	55.333	ug/l	98
11) Tert butyl alcohol	4.76	59	202215	275.358	ug/l	97
12) 1,1-Dichloroethene	3.72	96	213119	49.942	ug/l	98
13) Acrolein	3.59	56	76294	326.637	ug/l	100
14) Allyl chloride	4.30	41	389826	50.198	ug/l	98
15) Acrylonitrile	4.96	53	567251	265.036	ug/l	100
16) Acetone	3.80	43	507955	225.412	ug/l	100
17) Carbon Disulfide	4.03	76	572770	50.919	ug/l	98
18) Methyl Acetate	4.30	43	275313	48.576	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	756034	50.213	ug/l	99
20) Methylene Chloride	4.53	84	248715	47.827	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	234859	49.493	ug/l	97
22) Diisopropyl ether	5.93	45	834730	49.949	ug/l	97
23) Vinyl Acetate	5.87	43	3485789	276.635	ug/l	100
24) 1,1-Dichloroethane	5.82	63	473358	50.330	ug/l	100
25) 2-Butanone	6.81	43	784979	253.717	ug/l	99
26) 2,2-Dichloropropane	6.81	77	359488	46.493	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	277292	49.997	ug/l	98
28) Bromochloromethane	7.18	49	188352	50.100	ug/l	100
29) Tetrahydrofuran	7.19	42	517010	263.286	ug/l	100
30) Chloroform	7.36	83	474253	49.761	ug/l	100
31) Cyclohexane	7.64	56	444631	48.601	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	404079	51.630	ug/l	99
36) 1,1-Dichloropropene	7.78	75	364527	49.569	ug/l	99
37) Ethyl Acetate	6.91	43	332145	53.272	ug/l	99
38) Carbon Tetrachloride	7.76	117	340748	51.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	436354	50.811	ug/l	97
40) Benzene	8.03	78	1057492	50.026	ug/l	99
41) Methacrylonitrile	7.15	41	111361m	38.824	ug/l	
42) 1,2-Dichloroethane	8.11	62	408388	49.658	ug/l	99
43) Isopropyl Acetate	8.15	43	570530	48.661	ug/l #	90
44) Trichloroethene	8.82	130	261543	50.108	ug/l	99
45) 1,2-Dichloropropane	9.11	63	284375	50.161	ug/l	99
46) Dibromomethane	9.20	93	180721	50.336	ug/l	100
47) Bromodichloromethane	9.39	83	359722	52.882	ug/l	99
48) Methyl methacrylate	9.19	41	275582	51.620	ug/l	98
49) 1,4-Dioxane	9.19	88	93795	1313.922	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1694648	281.388	ug/l	99
52) Toluene	10.15	92	663156	49.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	399057	53.898	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	440832	53.638	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	256156	52.874	ug/l	97
56) Ethyl methacrylate	10.43	69	401437	54.607	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447295	51.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	802152	273.648	ug/l	99
59) 2-Hexanone	10.75	43	1225839	279.536	ug/l	99
60) Dibromochloromethane	10.90	129	258459	51.535	ug/l	99
61) 1,2-Dibromoethane	11.00	107	258845	52.289	ug/l	100
64) Tetrachloroethene	10.63	164	215756	48.795	ug/l	99
65) Chlorobenzene	11.44	112	695549	50.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	244311	52.415	ug/l	99
67) Ethyl Benzene	11.51	91	1306772	52.150	ug/l	99
68) m/p-Xylenes	11.62	106	963220	102.168	ug/l	100
69) o-Xylene	11.95	106	461680	50.871	ug/l	98
70) Styrene	11.97	104	786201	53.324	ug/l	99
71) Bromoform	12.13	173	161870	50.249	ug/l #	99
73) Isopropylbenzene	12.25	105	1270319	50.334	ug/l	100
74) N-amyl acetate	12.07	43	527827	52.571	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	372154	49.867	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	308113m	49.396	ug/l	
77) Bromobenzene	12.53	156	288442	48.742	ug/l	98
78) n-propylbenzene	12.60	91	1483503	52.175	ug/l	99
79) 2-Chlorotoluene	12.68	91	868557	49.491	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1079699	51.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	104371	50.819	ug/l	98
82) 4-Chlorotoluene	12.78	91	905070	50.540	ug/l	100
83) tert-Butylbenzene	13.00	119	917895	51.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1069235	50.514	ug/l	98
85) sec-Butylbenzene	13.18	105	1231987	52.506	ug/l	100
86) p-Isopropyltoluene	13.30	119	1110553	53.769	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	533046	49.676	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	532859	49.912	ug/l	100
89) n-Butylbenzene	13.62	91	983880	52.588	ug/l	100
90) Hexachloroethane	13.88	117	171242	55.182	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	525968	51.015	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74006	56.234	ug/l	96

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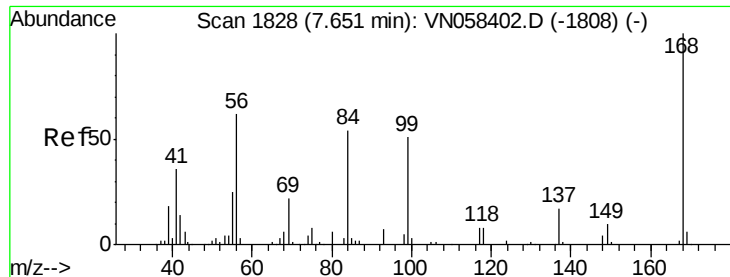
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	317152	55.667	ug/l	99
94) Hexachlorobutadiene	15.02	225	143055	48.852	ug/l	99
95) Naphthalene	15.14	128	876919	52.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	299247	52.391	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 452358

Ion Ratio Lower Upper

168 100

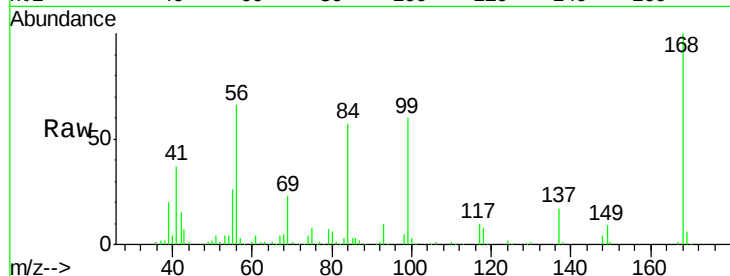
99 59.3 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

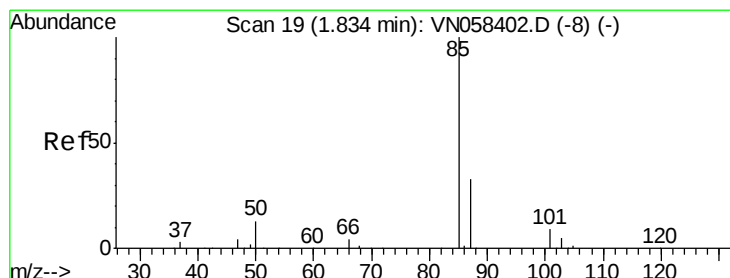
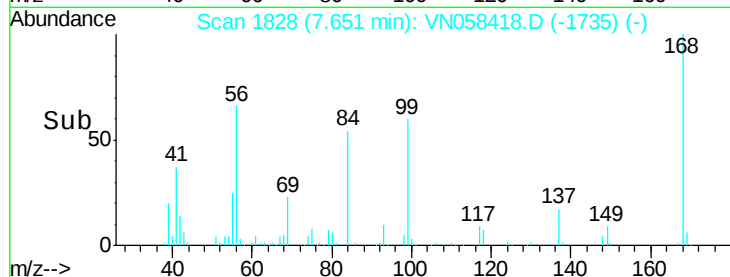
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.351 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058418.D

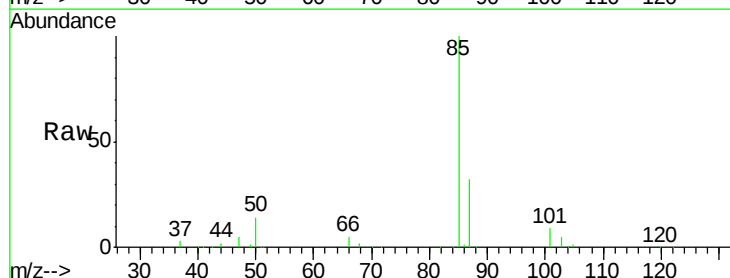
Acq: 27 Sep 2019 19:04

Tgt Ion: 85 Resp: 244787

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

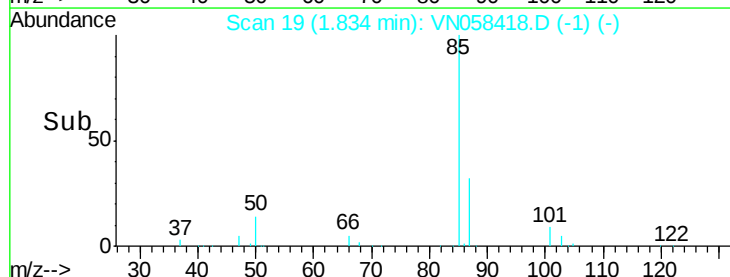
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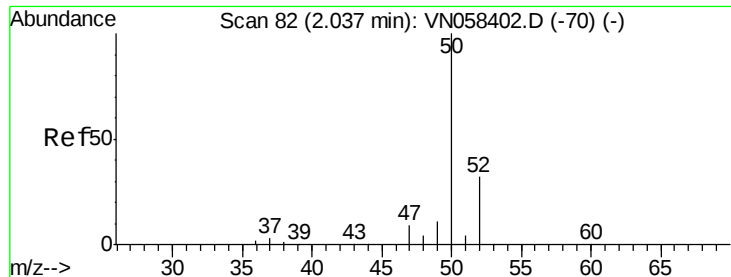
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.084 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262202

Ion Ratio Lower Upper

50 100

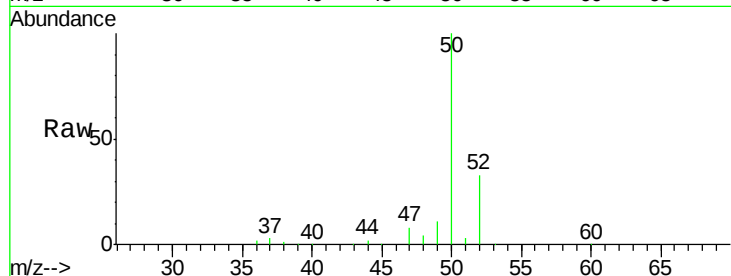
52 32.9 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

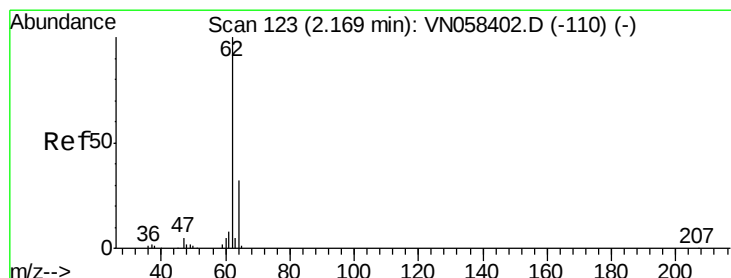
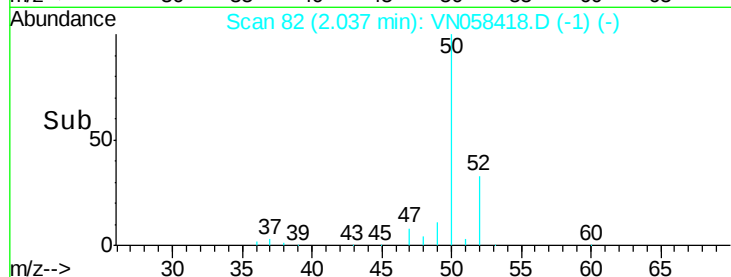
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.466 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058418.D

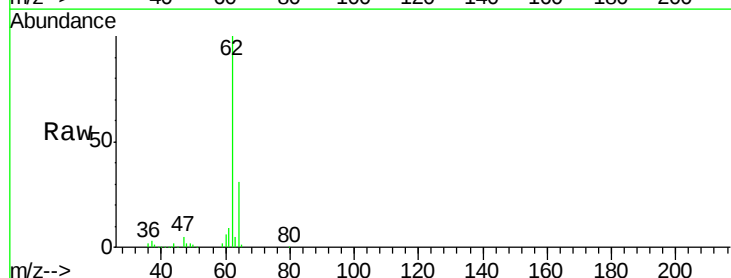
Acq: 27 Sep 2019 19:04

Tgt Ion: 62 Resp: 264239

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

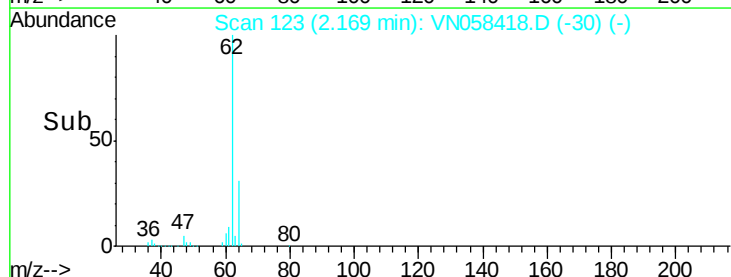
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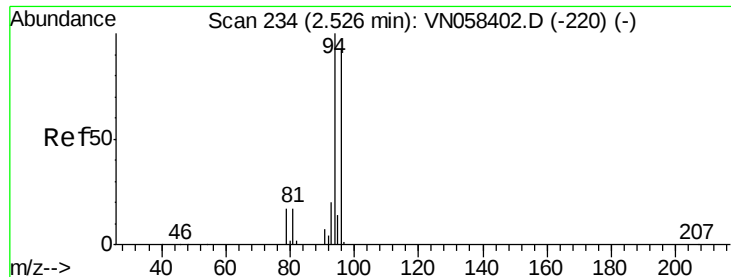
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.335 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 145658

Ion Ratio Lower Upper

94 100

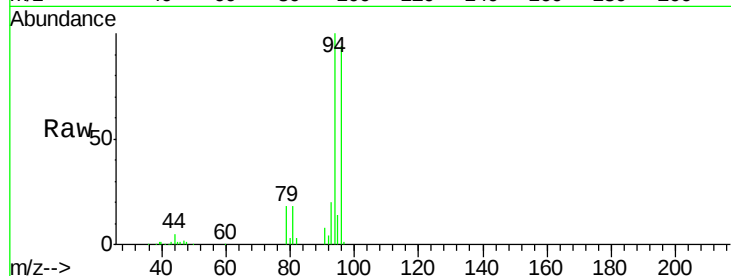
96 93.7 74.8 112.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

80000

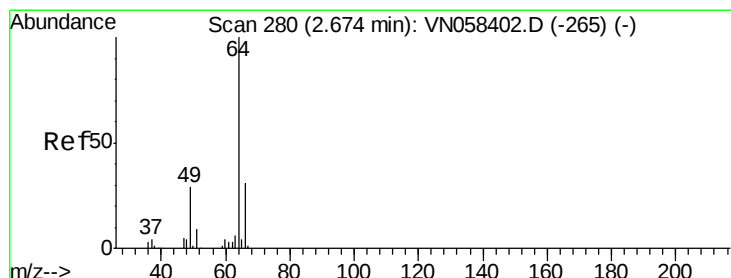
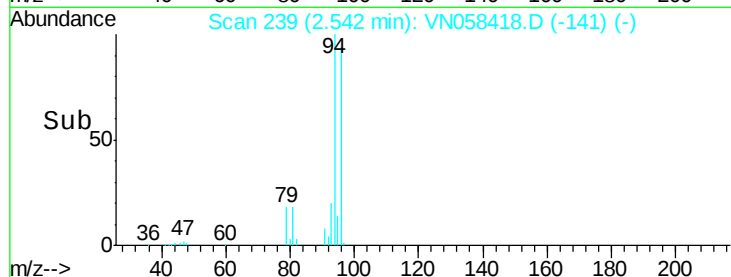
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.776 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058418.D

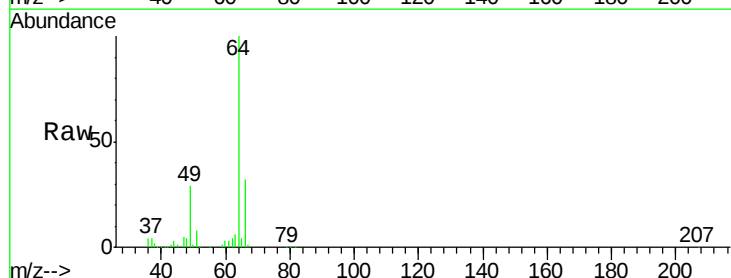
Acq: 27 Sep 2019 19:04

Tgt Ion: 64 Resp: 159319

Ion Ratio Lower Upper

64 100

66 31.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

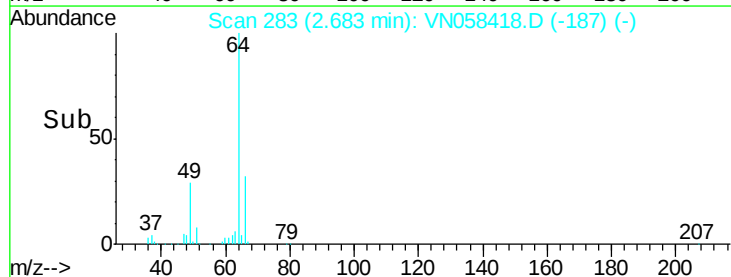
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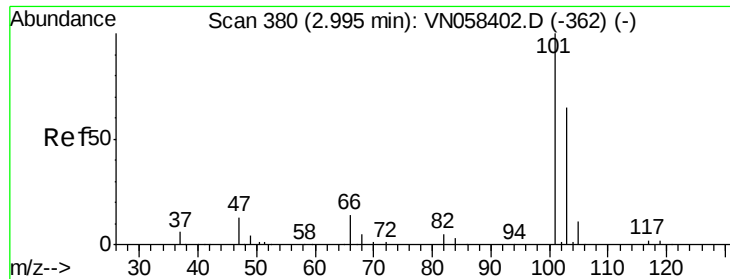
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20000

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Time-->





#7

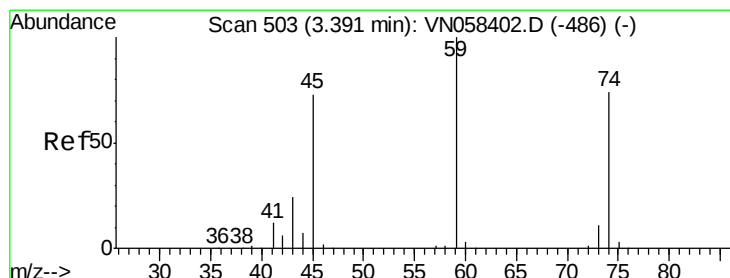
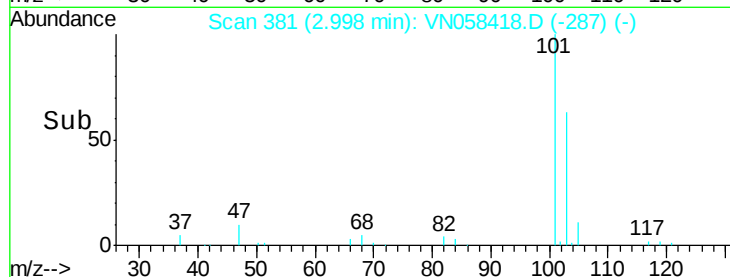
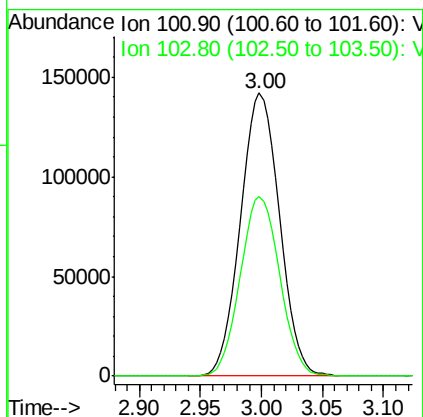
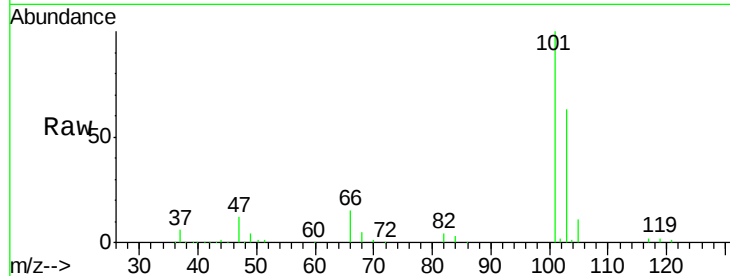
Trichlorofluoromethane
 Concen: 48.809 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 314640
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5

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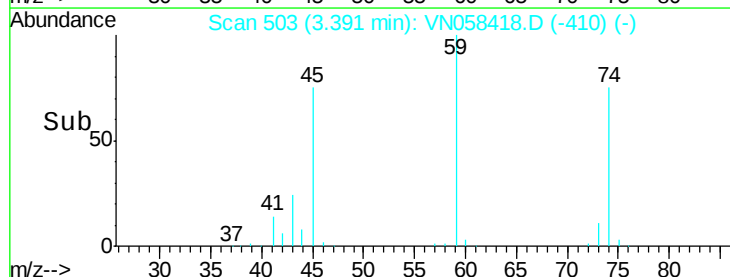
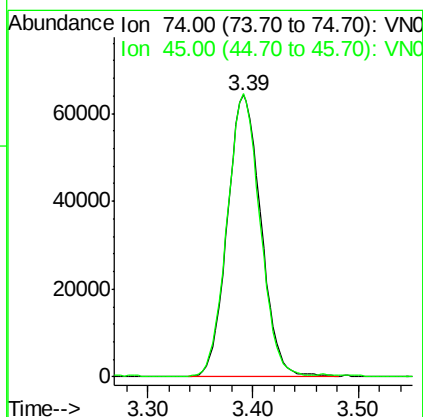
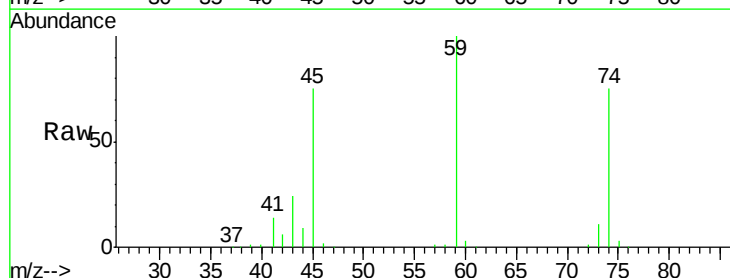
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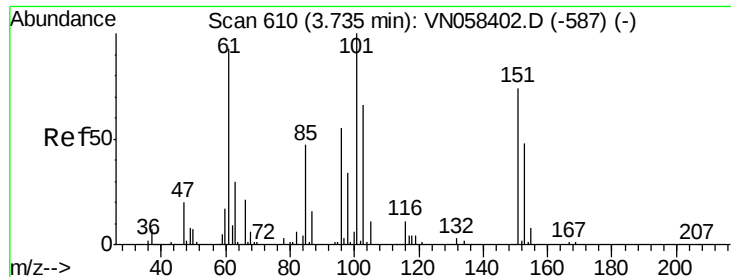


#8

Diethyl Ether
 Concen: 50.998 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion: 74 Resp: 141845
 Ion Ratio Lower Upper
 74 100
 45 97.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.458 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

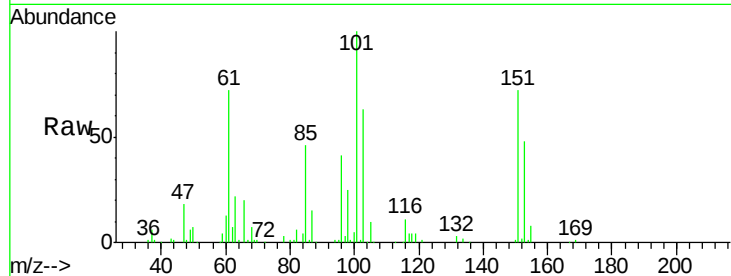
ClientSampleId :

VSTDCCC050EC

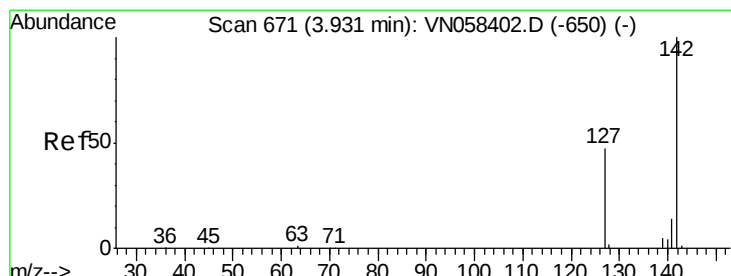
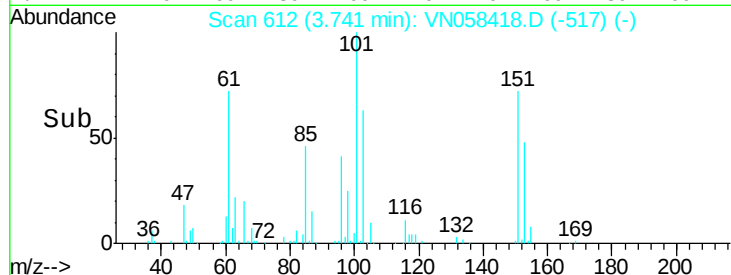
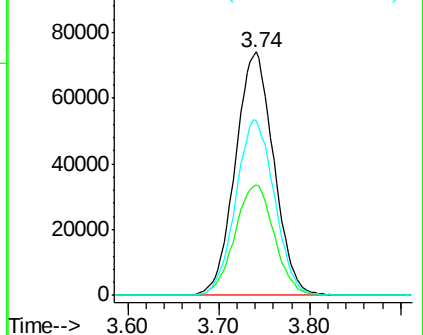
Tot Ion:	101	Resp:	216527
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.7	55.1
151	72.6	59.4	89.0

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



#10

Methyl Iodide

Concen: 55.333 ug/l

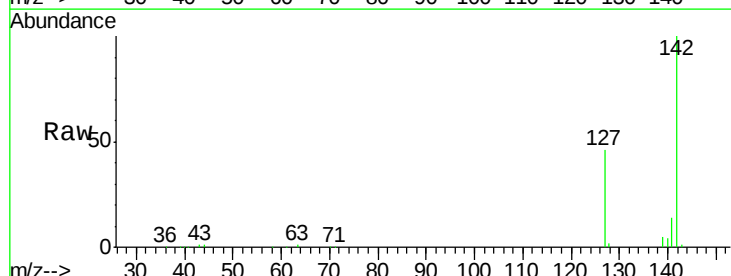
RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

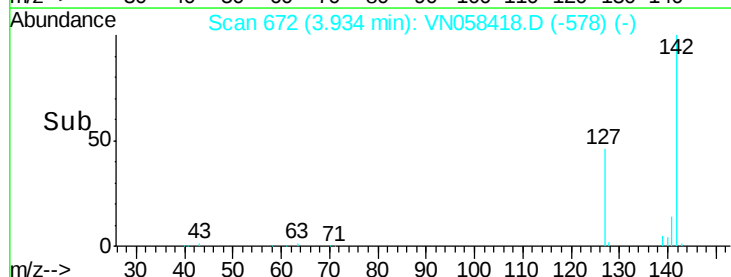
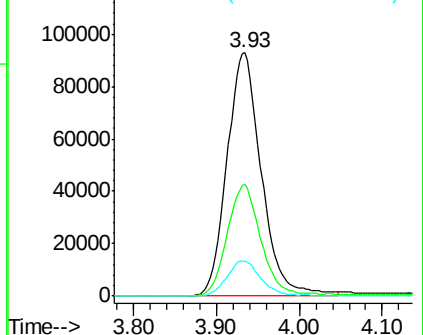
Lab File: VN058418.D

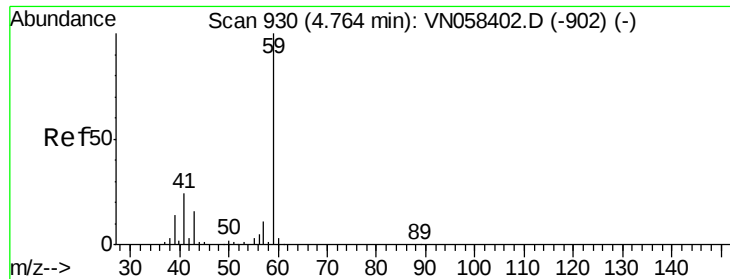
Acq: 27 Sep 2019 19:04

Tgt Ion:	142	Resp:	268610
Ion Ratio	Lower	Upper	
142	100		
127	44.9	37.2	55.8
141	14.2	11.3	16.9



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





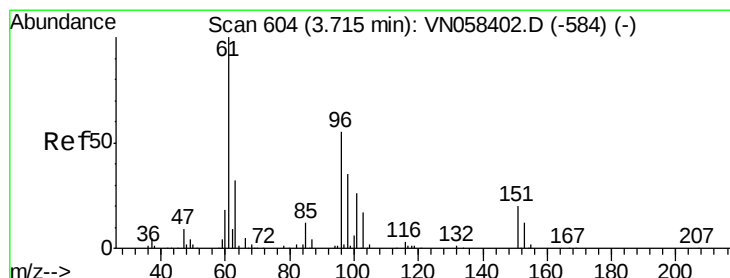
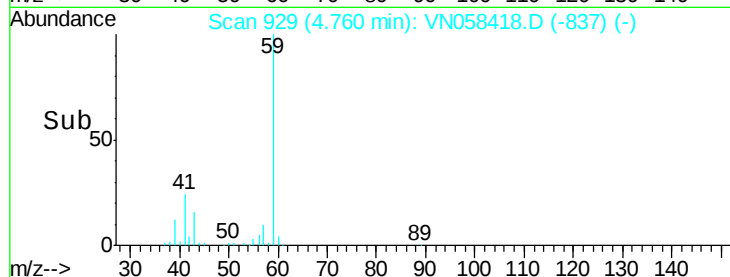
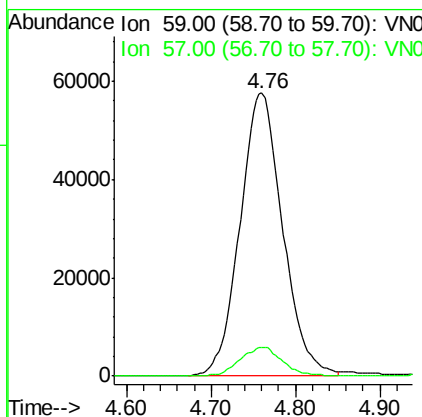
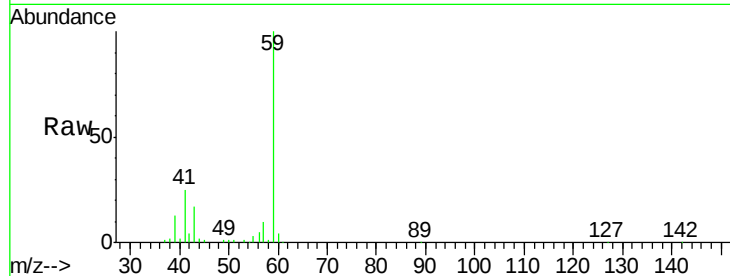
#11
Tert butyl alcohol
Concen: 275.358 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.0	13.4

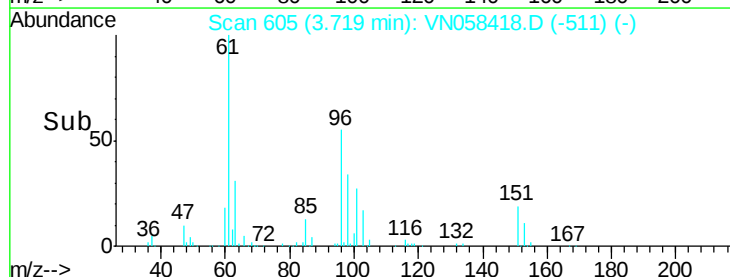
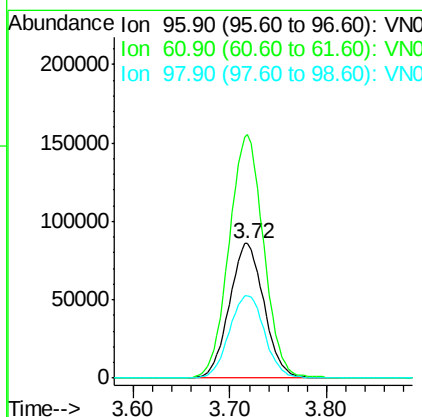
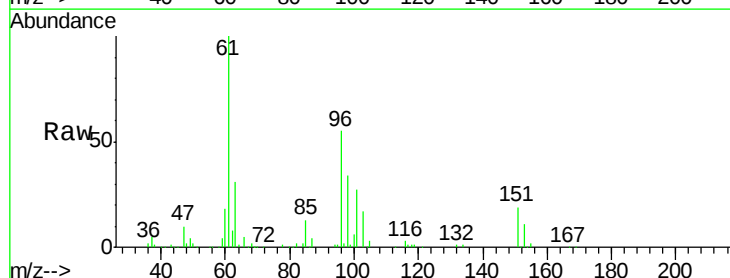
Manual Integrations
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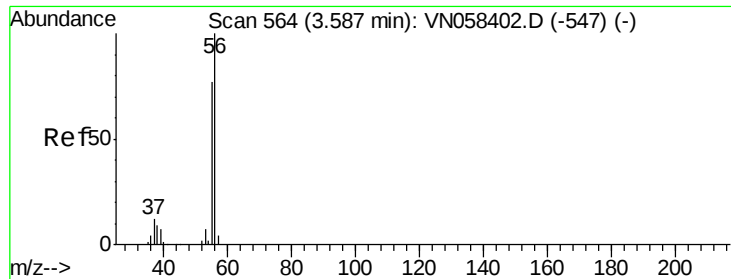
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#12
1,1-Dichloroethene
Concen: 49.942 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	146.7	220.1
98	61.4	51.3	76.9





#13

Acrolein

Concen: 326.637 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76294

Ion Ratio Lower Upper

56 100

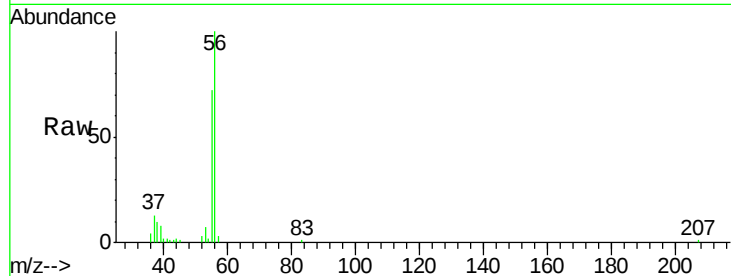
55 72.7 58.3 87.5

Manual Integrations

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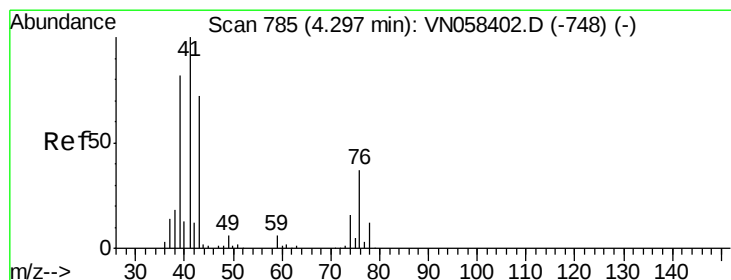
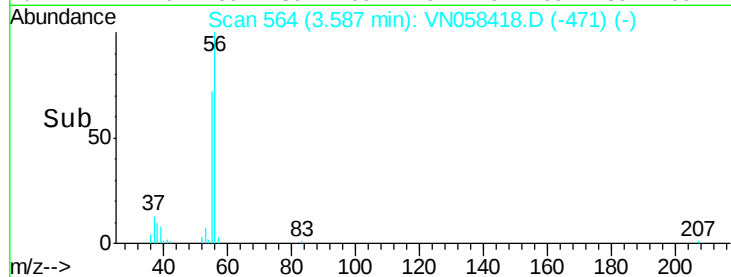
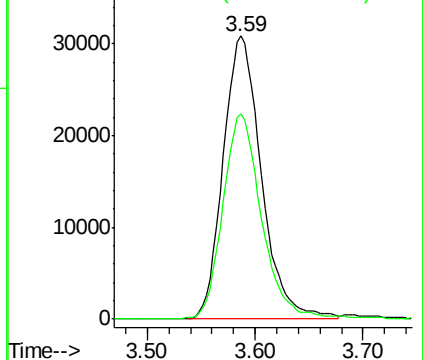
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.198 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

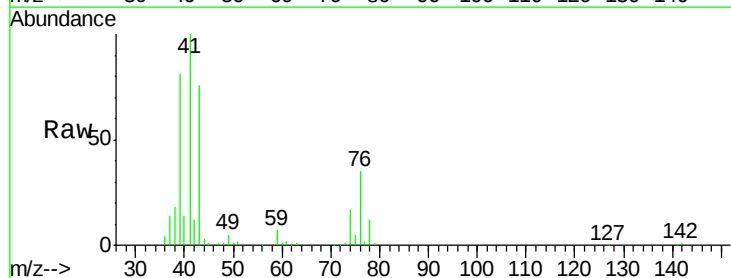
Tgt Ion: 41 Resp: 389826

Ion Ratio Lower Upper

41 100

39 76.3 62.3 93.5

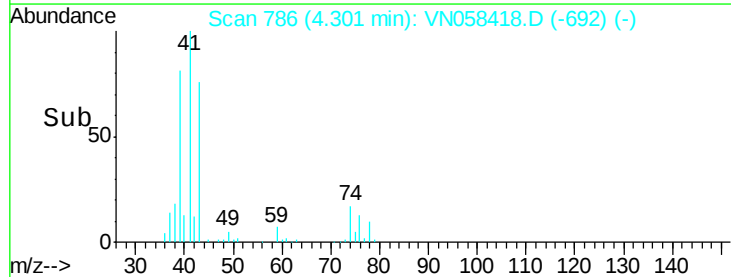
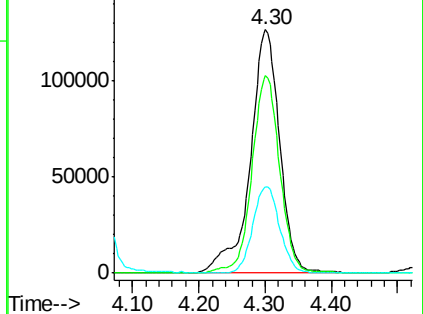
76 32.1 26.9 40.3

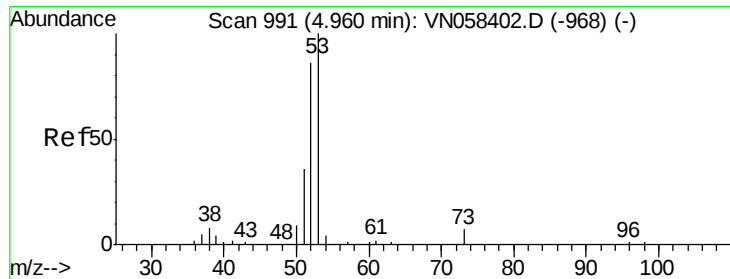


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 265.036 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

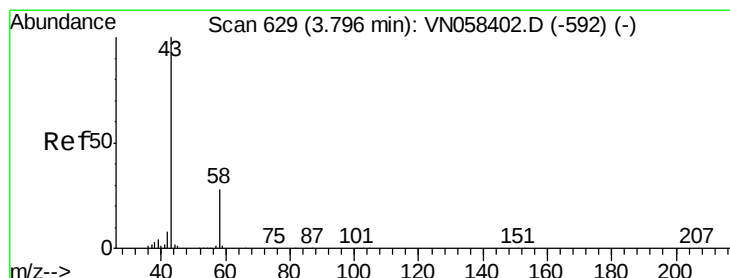
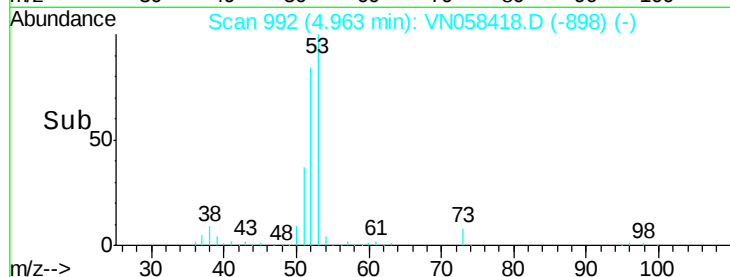
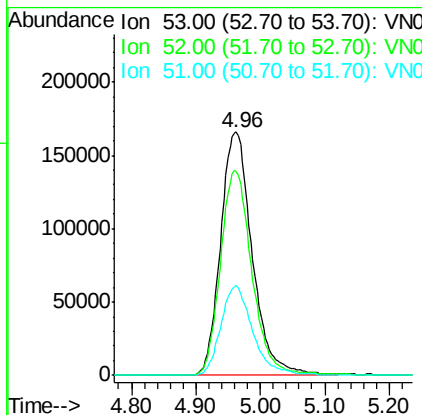
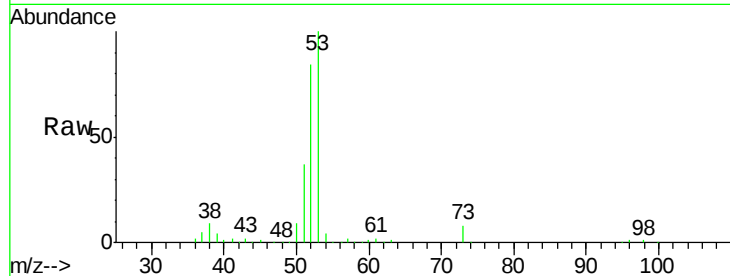
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	567251
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	100.0
51	37.2	29.8	44.8

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#16

Acetone

Concen: 225.412 ug/l

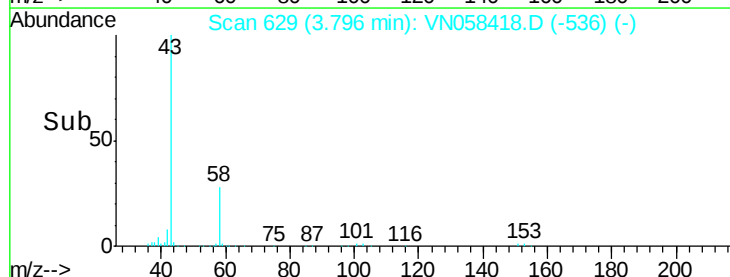
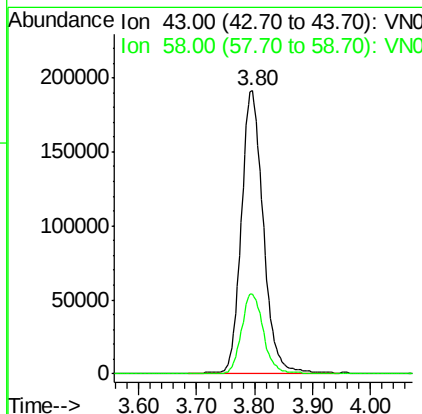
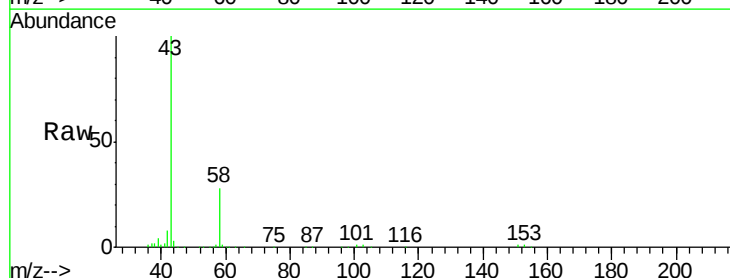
RT: 3.80 min Scan# 629

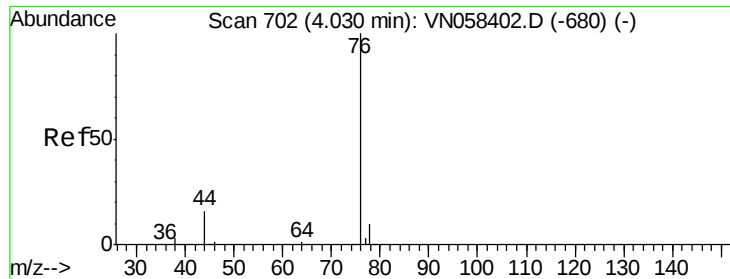
Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	43	Resp:	507955
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.4	33.6





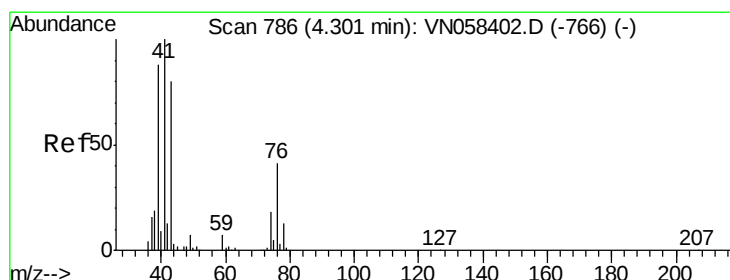
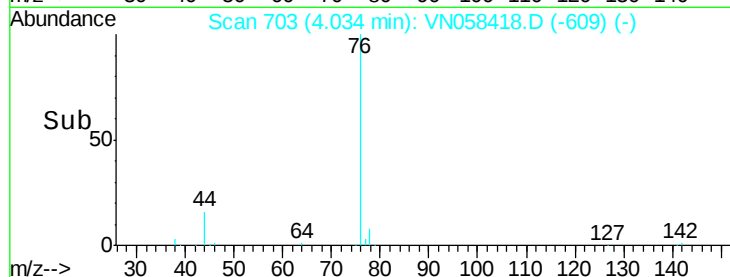
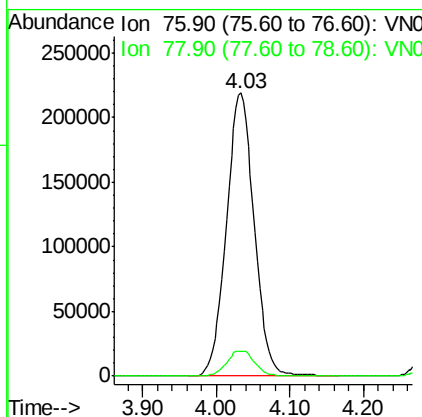
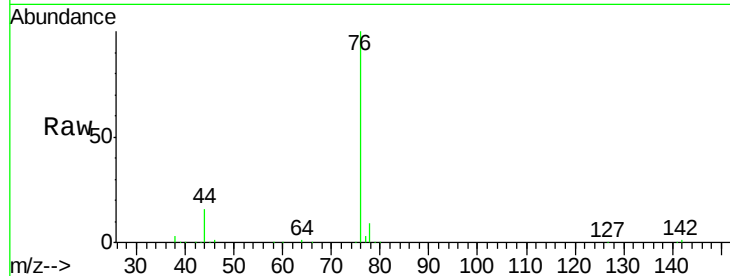
#17
Carbon Disulfide
Concen: 50.919 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

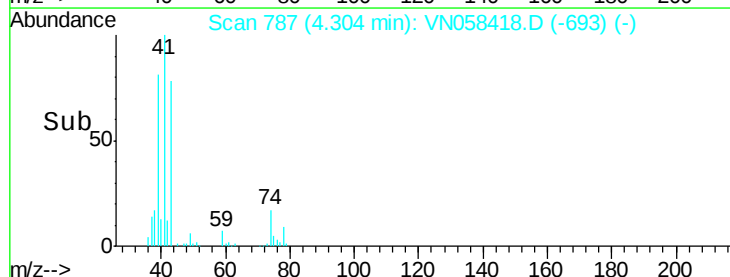
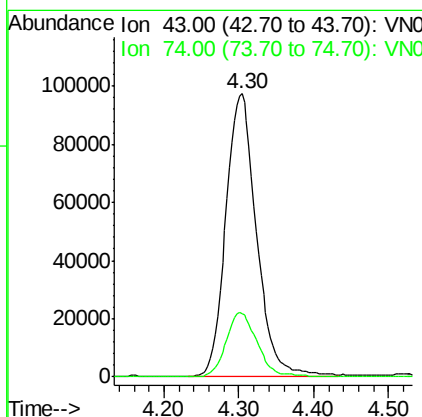
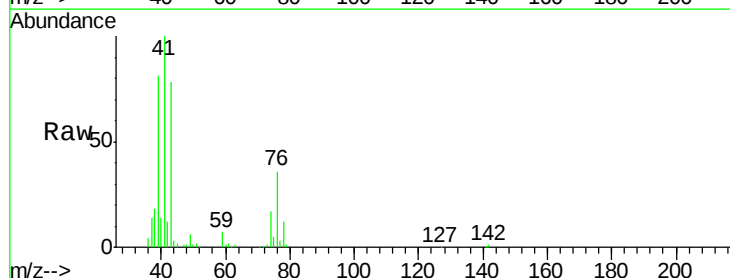
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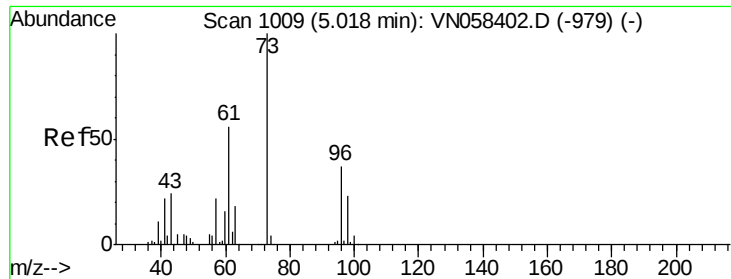
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#18
Methyl Acetate
Concen: 48.576 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.0	27.0





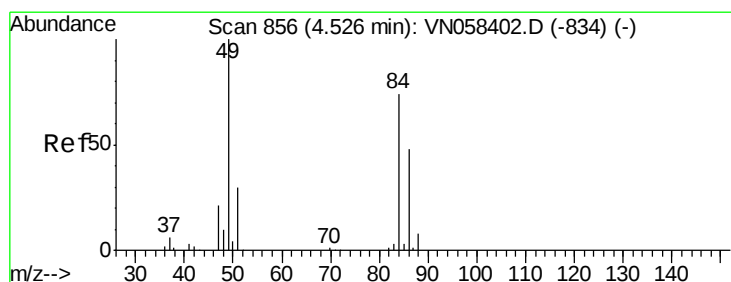
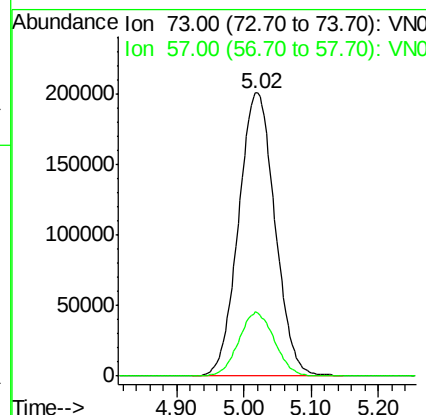
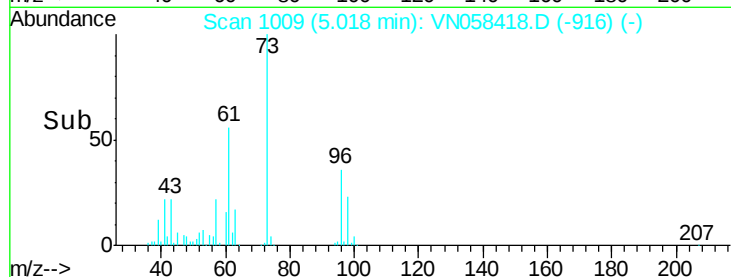
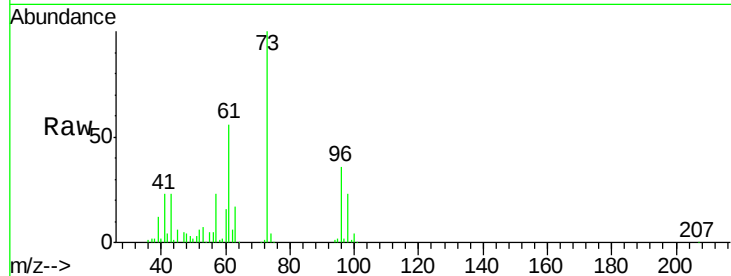
#19
Methvl tert-butvl Ether
Concen: 50.213 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 756034
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

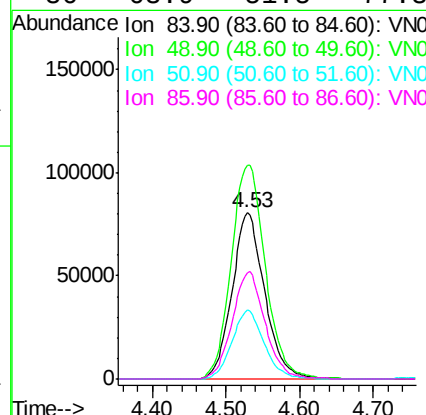
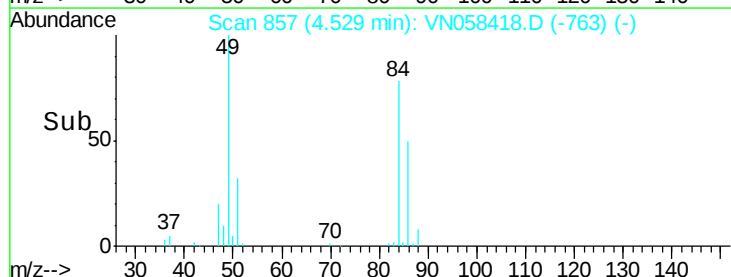
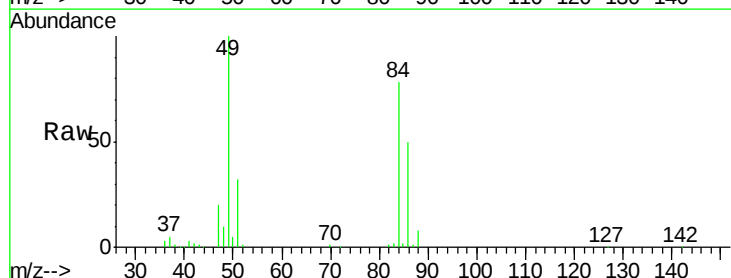
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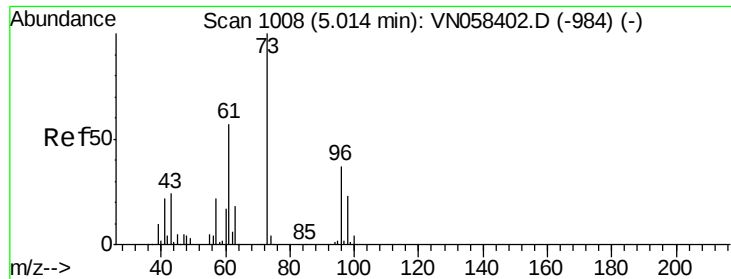
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#20
Methylene Chloride
Concen: 47.827 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion: 84 Resp: 248715
Ion Ratio Lower Upper
84 100
49 128.5 107.9 161.9
51 41.4 32.8 49.2
86 63.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.493 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

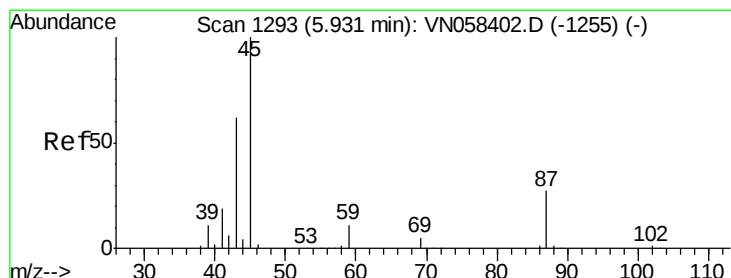
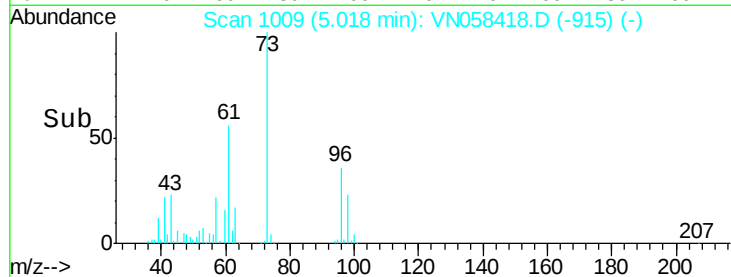
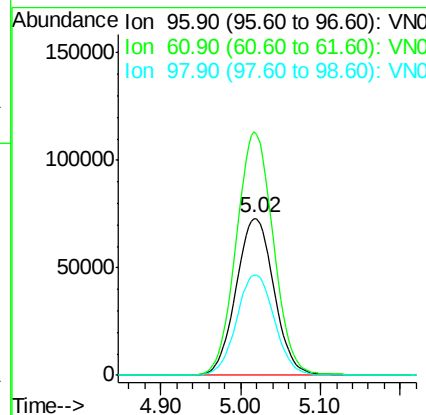
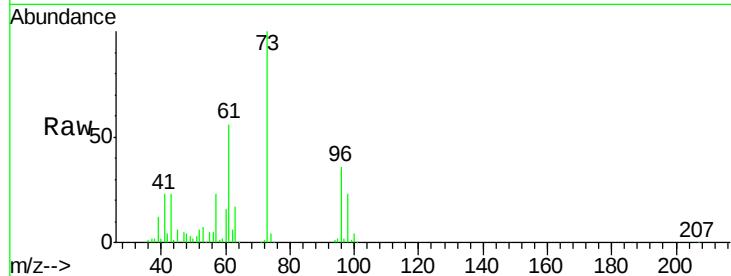
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	234859
Ion	Ratio	Lower	Upper
96	100		
61	155.5	121.9	182.9
98	64.3	49.3	73.9

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#22

Diisopropyl ether

Concen: 49.949 ug/l

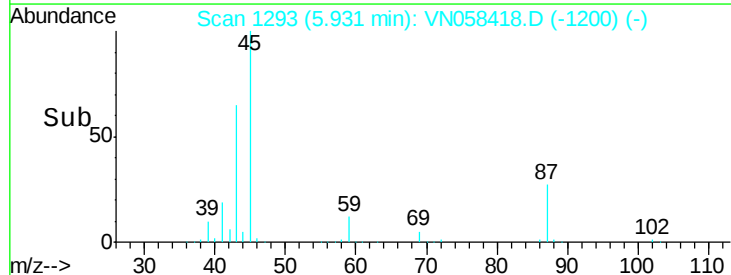
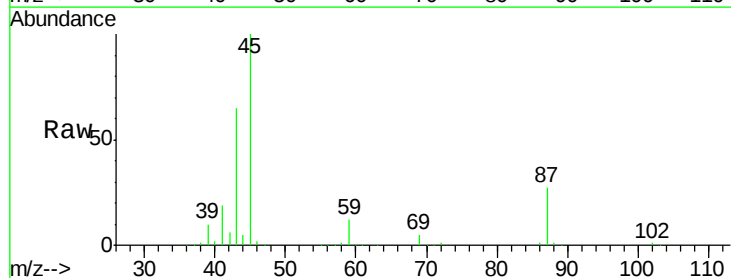
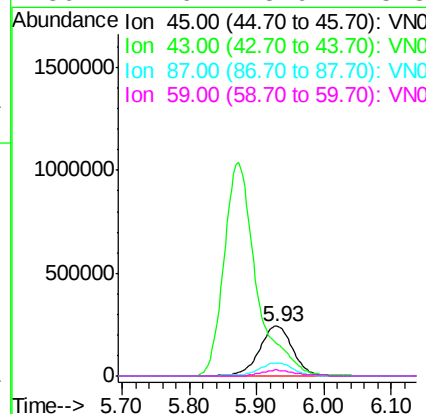
RT: 5.93 min Scan# 1293

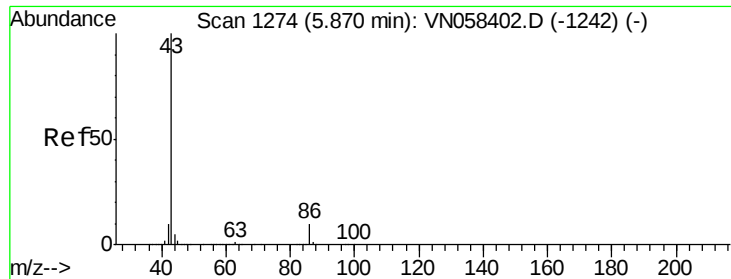
Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	45	Resp:	834730
Ion	Ratio	Lower	Upper
45	100		
43	65.0	49.7	74.5
87	26.5	21.5	32.3
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 276.635 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3485789

Ion Ratio Lower Upper

43 100

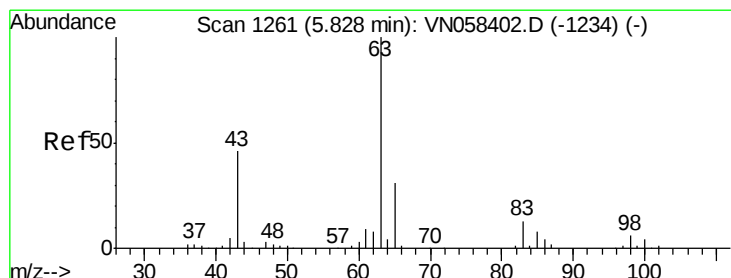
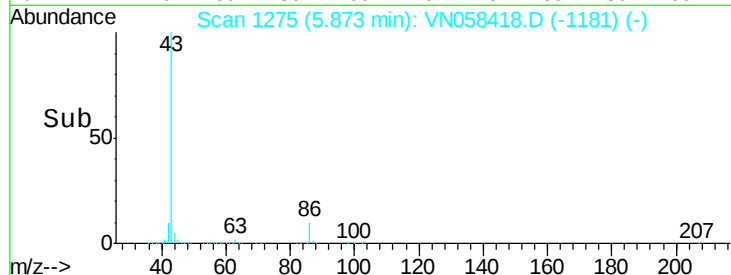
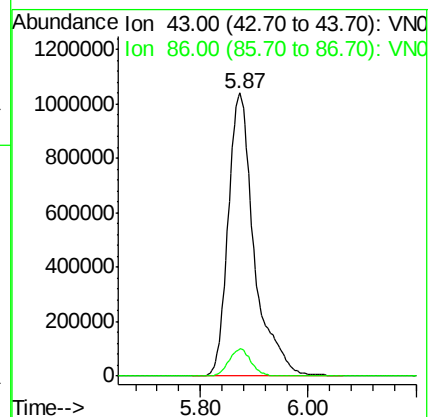
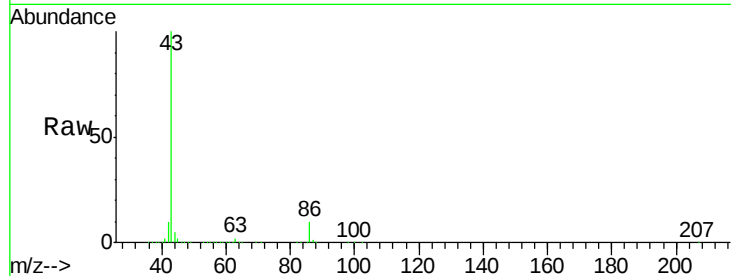
86 9.5 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 50.330 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

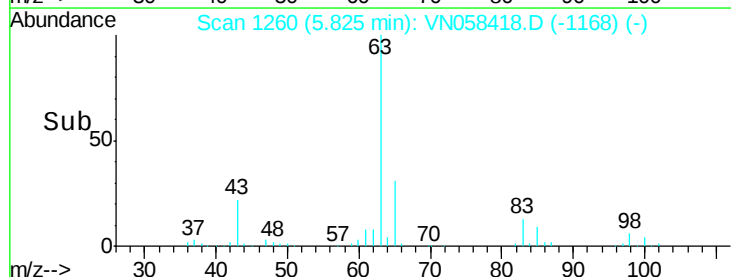
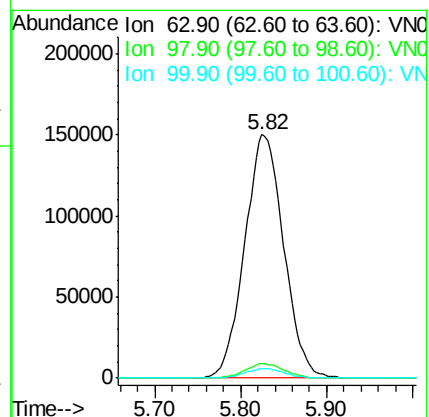
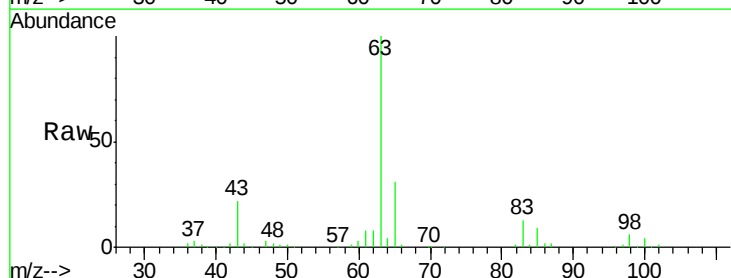
Tgt Ion: 63 Resp: 473358

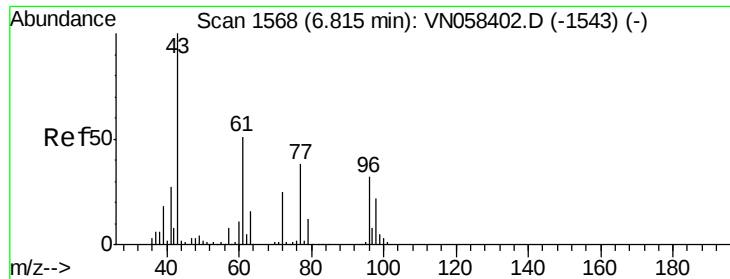
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 253.717 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 784979

Ion Ratio Lower Upper

43 100

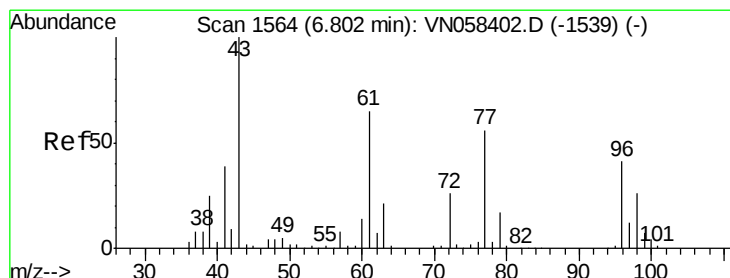
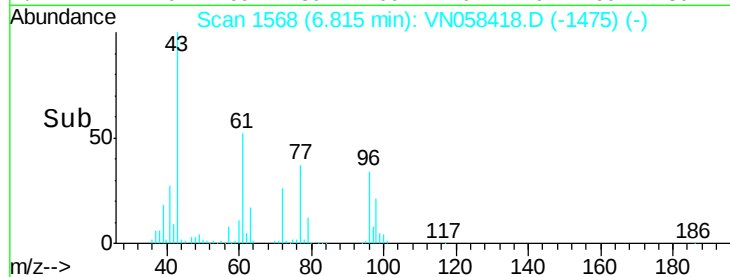
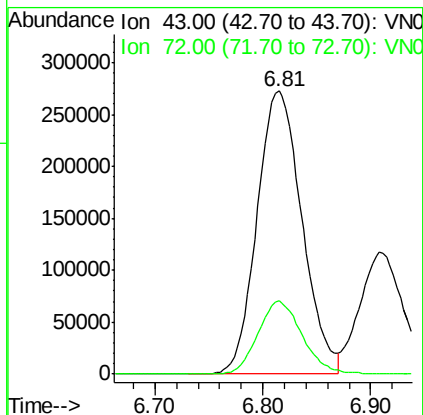
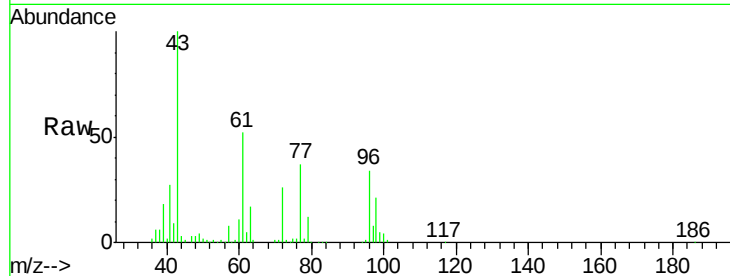
72 25.9 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.493 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058418.D

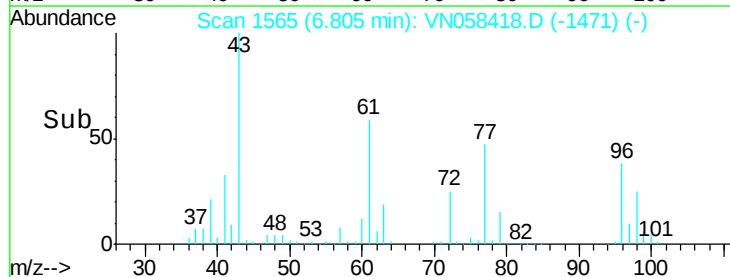
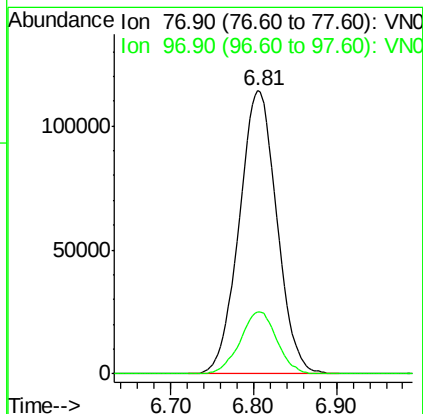
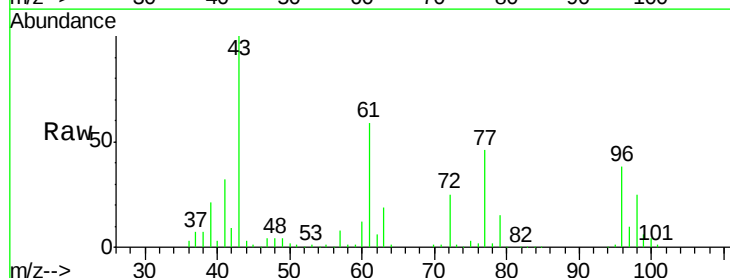
Acq: 27 Sep 2019 19:04

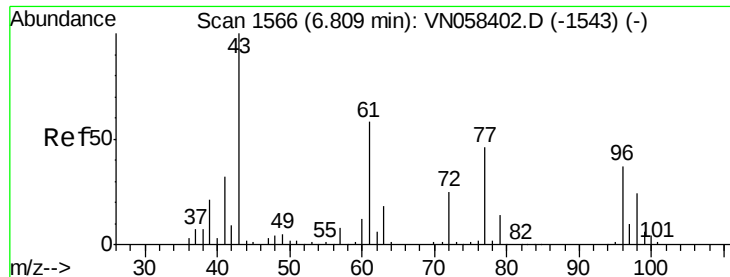
Tgt Ion: 77 Resp: 359488

Ion Ratio Lower Upper

77 100

97 21.5 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 49.997 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

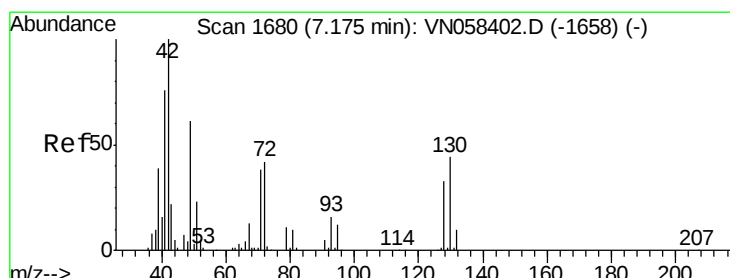
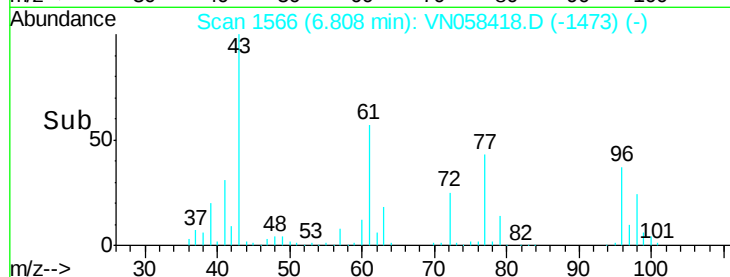
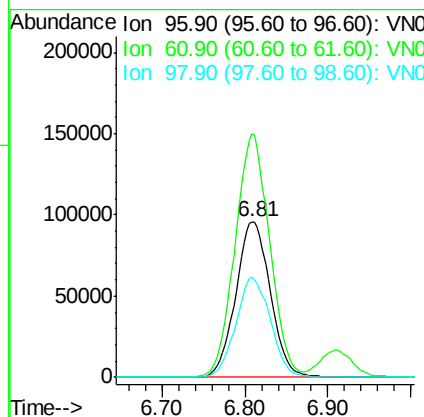
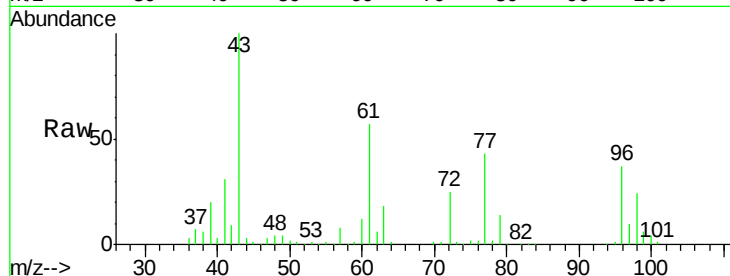
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	277292
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	318.8
98	64.4	0.0	129.8

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#28

Bromochloromethane

Concen: 50.100 ug/l

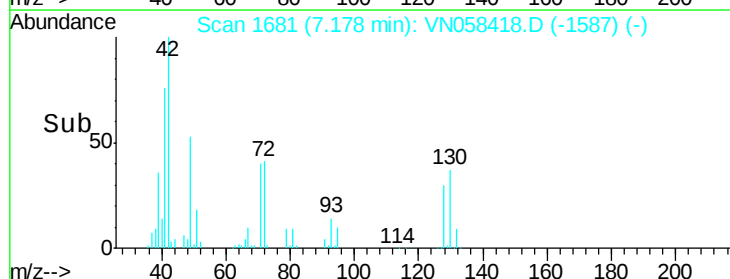
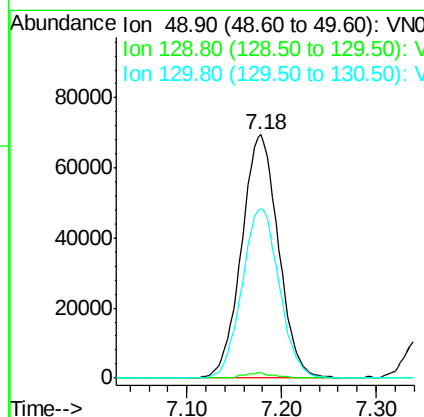
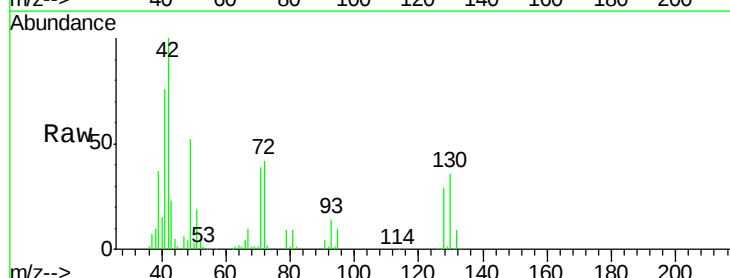
RT: 7.18 min Scan# 1681

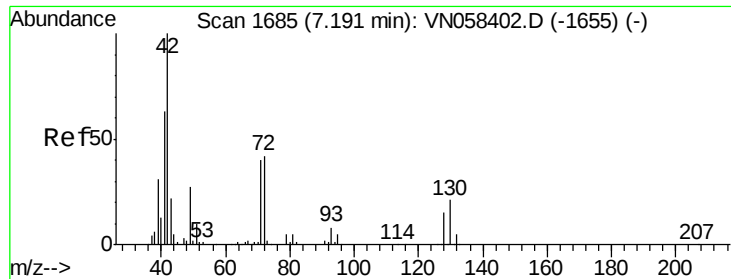
Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	49	Resp:	188352
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.3	84.5





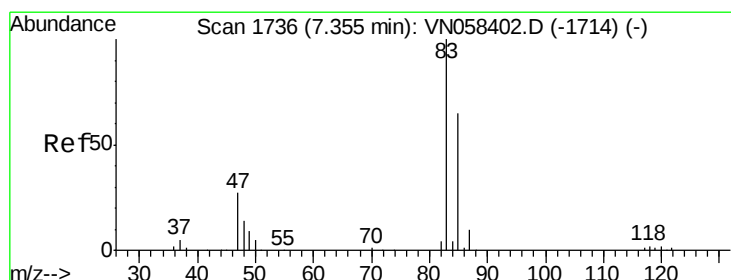
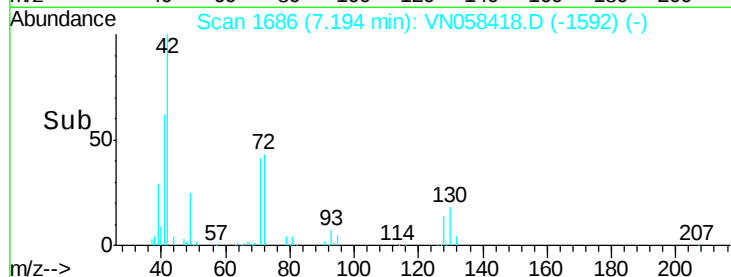
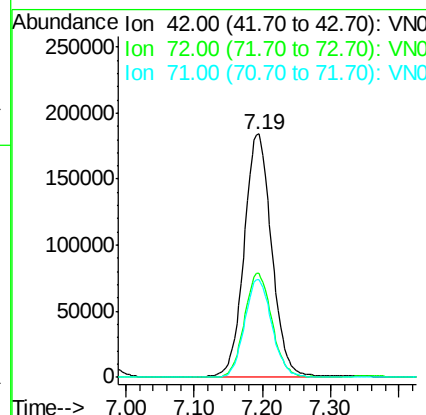
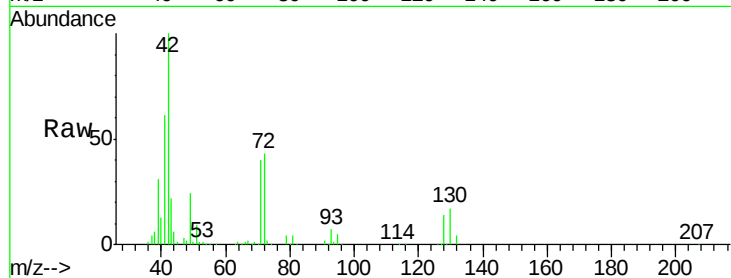
#29
Tetrahydrofuran
Concen: 263.286 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.8	31.8	47.6

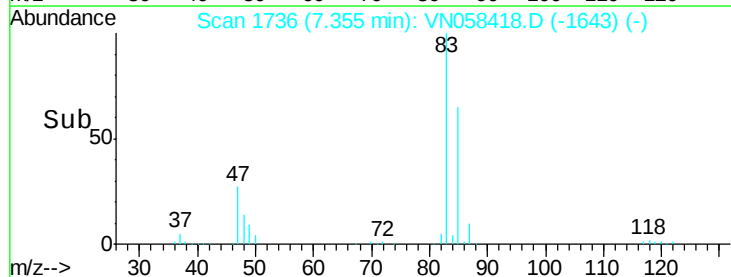
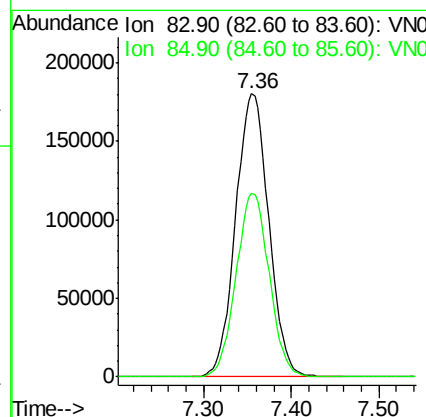
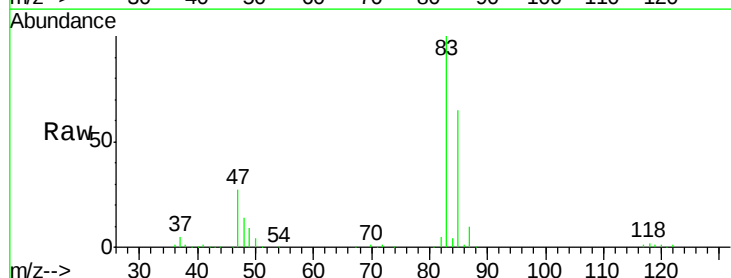
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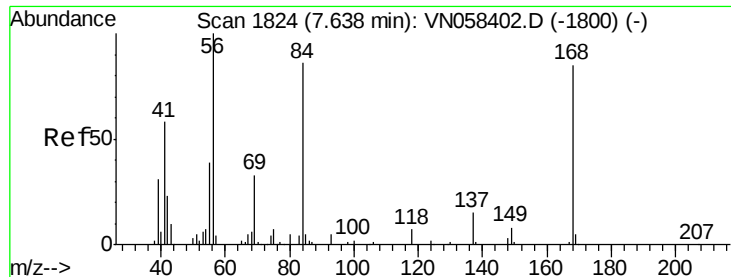
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9/30/2019 10:19:04 AM



#30
Chloroform
Concen: 49.761 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





#31

Cyclohexane

Concen: 48.601 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

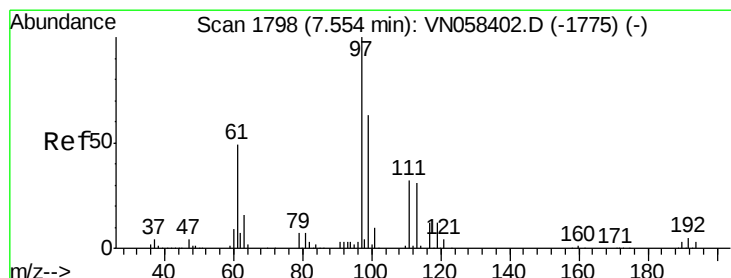
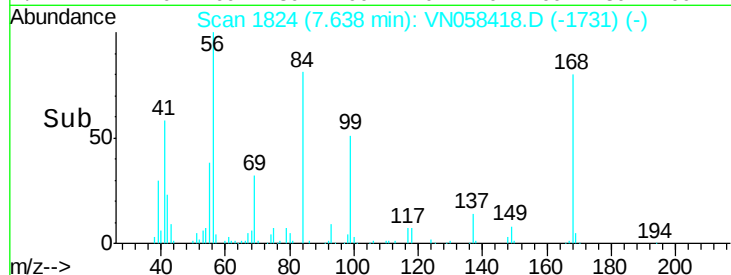
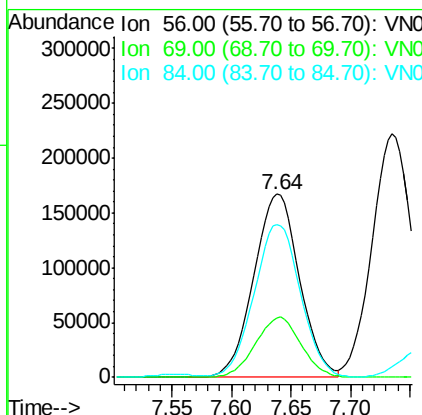
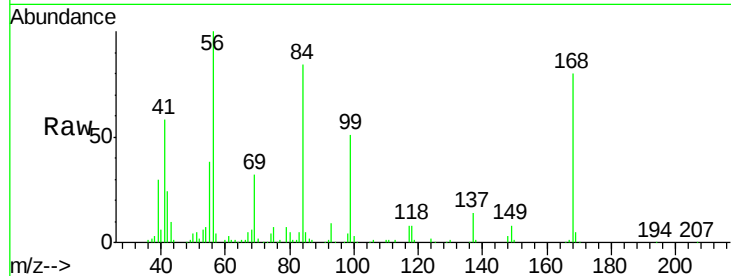
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	444631
Ion Ratio	Lower	Upper	
56	100		
69	32.4	26.2	39.4
84	82.2	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 51.630 ug/l

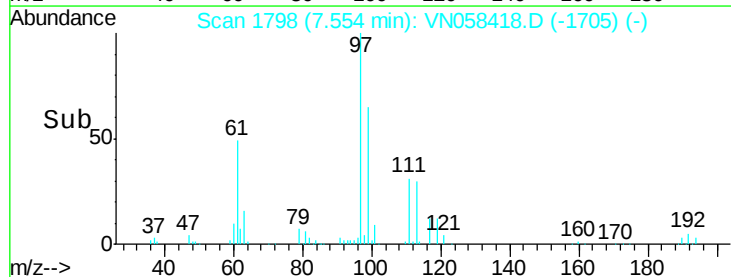
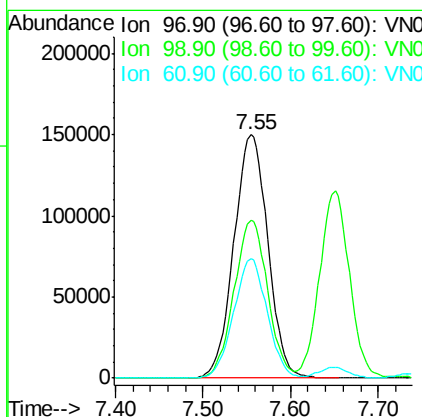
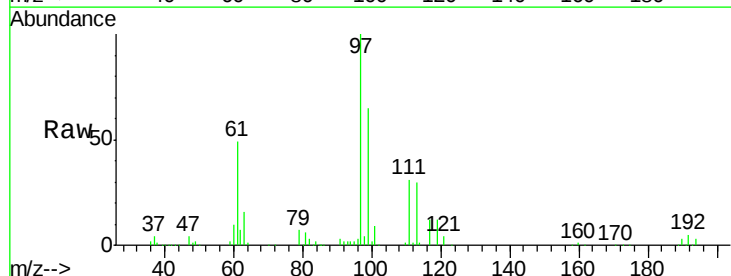
RT: 7.55 min Scan# 1798

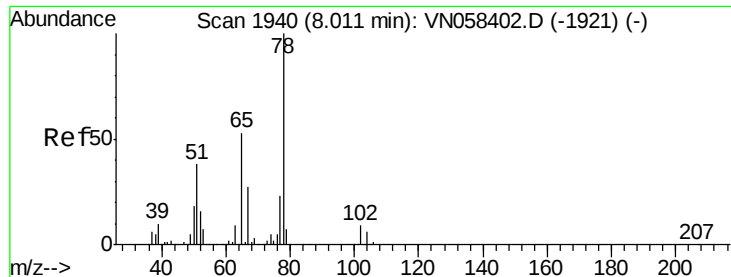
Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	97	Resp:	404079
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.1	76.7
61	48.5	39.2	58.8





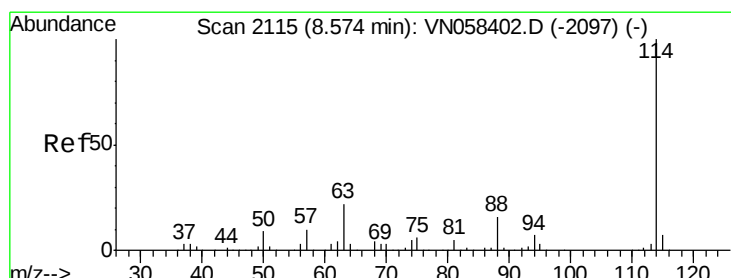
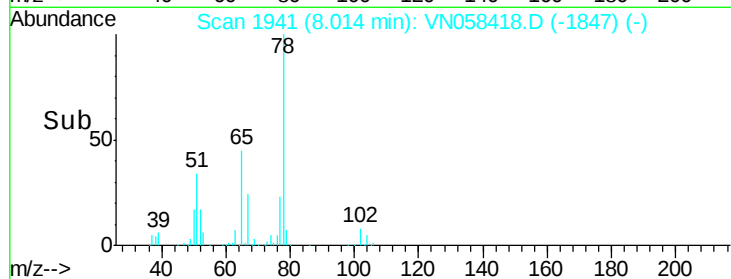
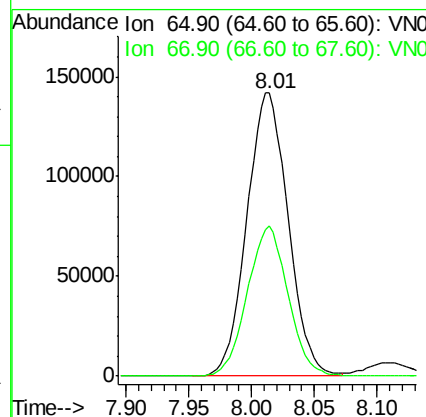
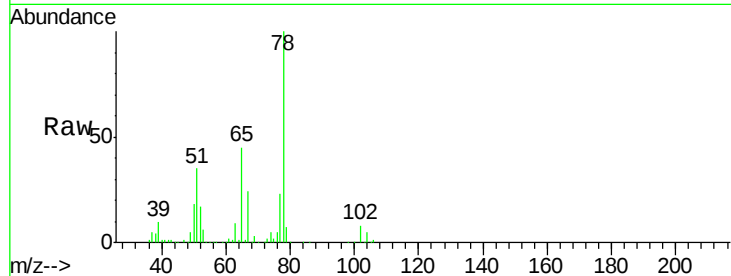
#33
 1,2-Dichloroethane-d4
 Concen: 49.293 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	325853		
67	52.1	0.0	102.4	

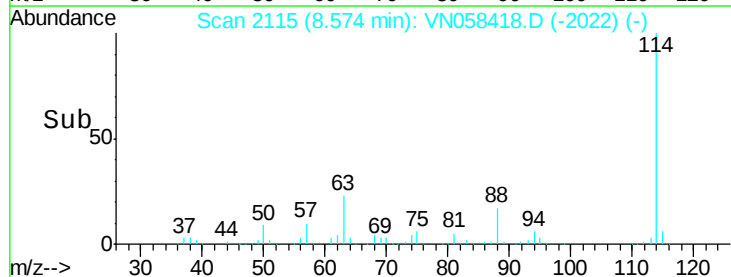
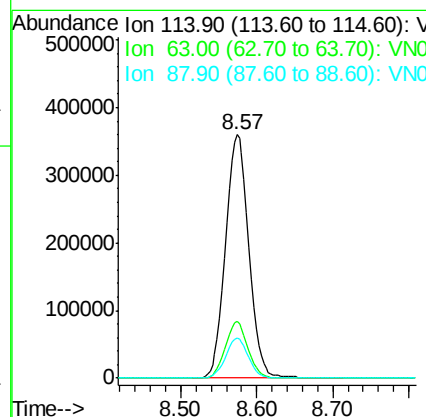
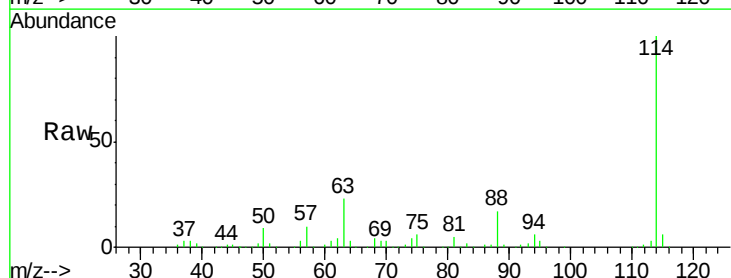
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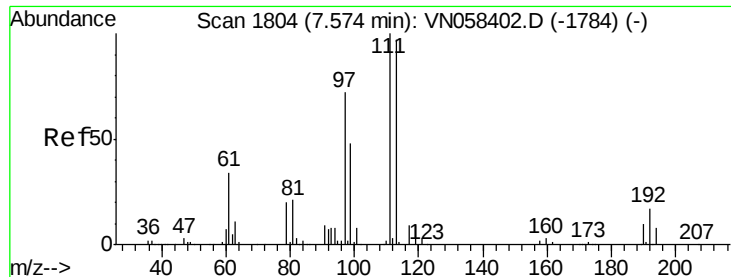
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 9/30/2019 10:19:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	769083		
63	23.2	0.0	45.0	
88	16.6	0.0	32.2	





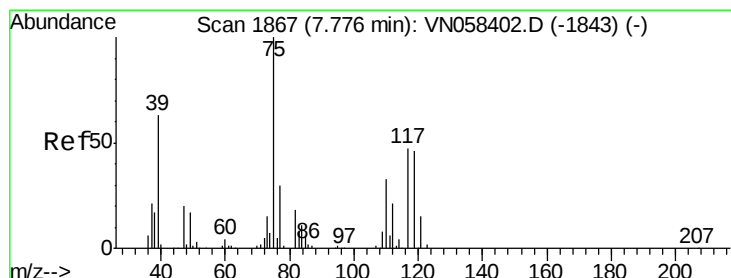
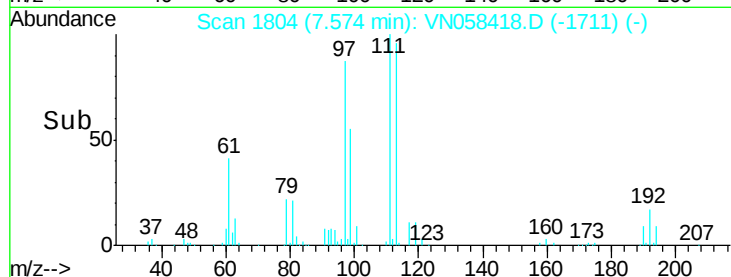
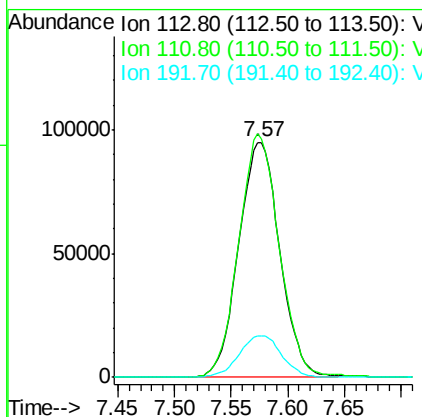
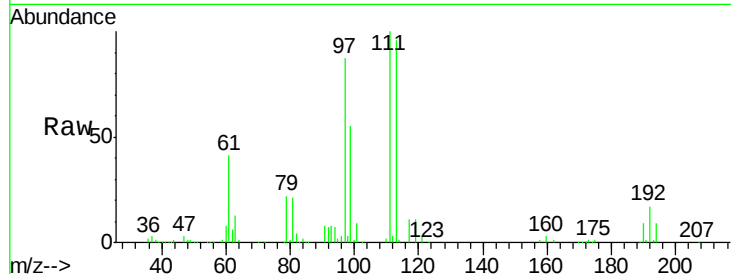
#35
Dibromofluoromethane
Concen: 50.865 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239760		
111	102.5	83.4	125.2	
192	18.3	14.9	22.3	

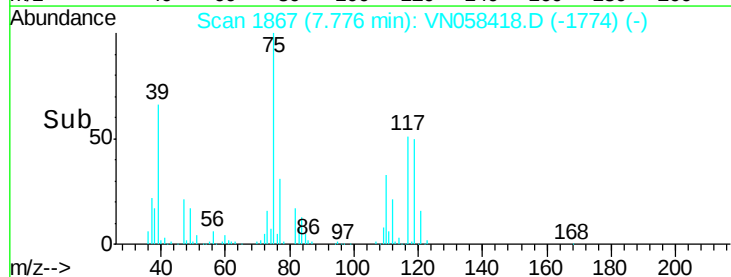
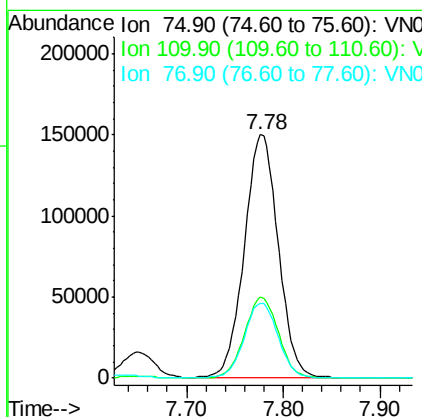
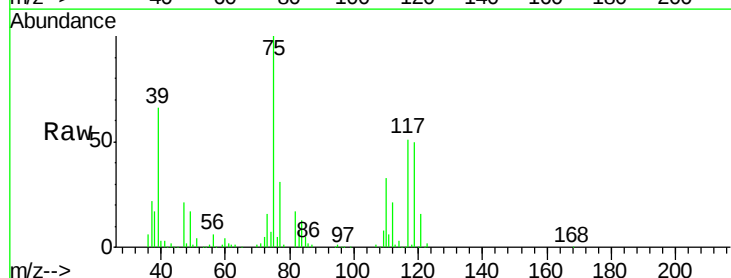
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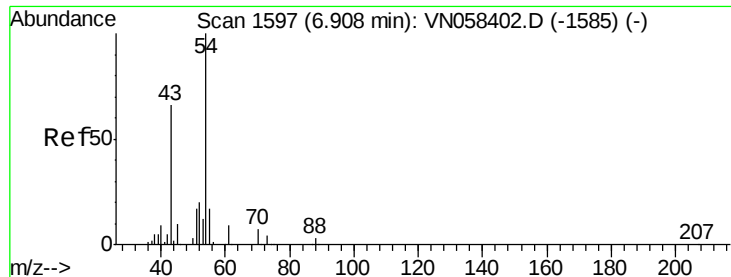
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#36
1,1-Dichloropropene
Concen: 49.569 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	364527		
110	33.3	16.4	49.2	
77	31.0	24.3	36.5	





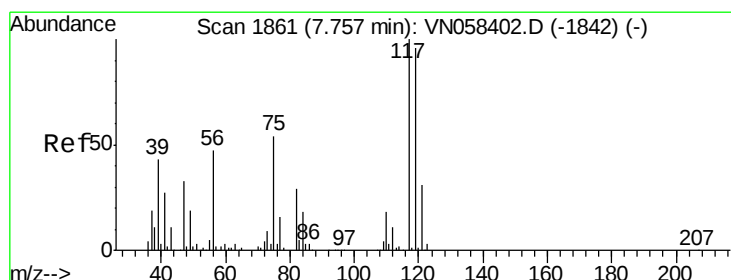
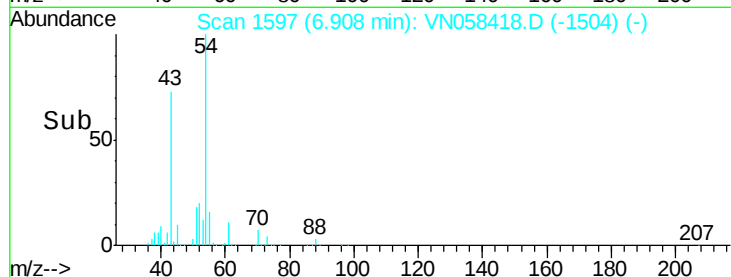
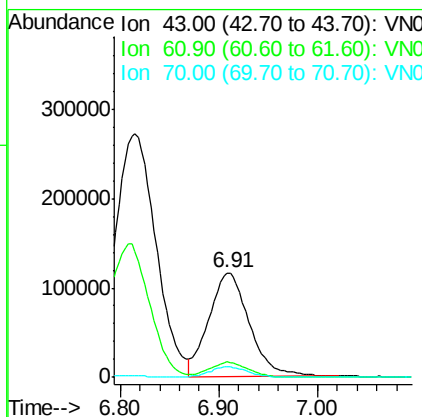
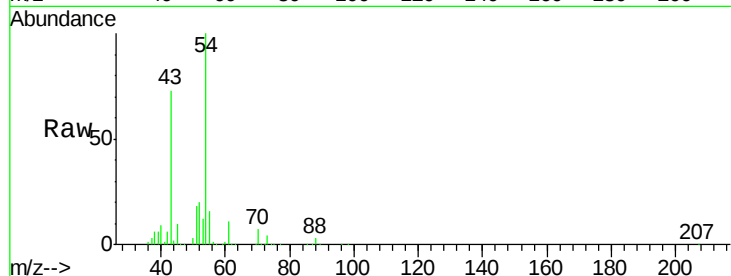
#37
Ethyl Acetate
Concen: 53.272 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.8	7.8	11.6

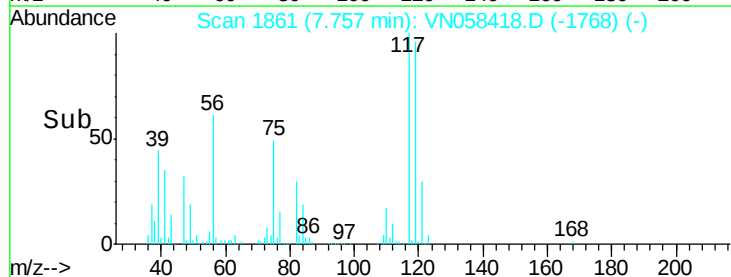
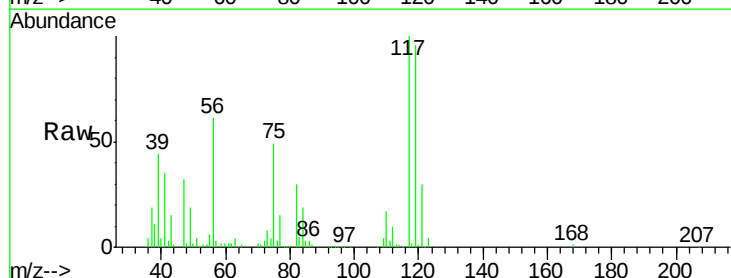
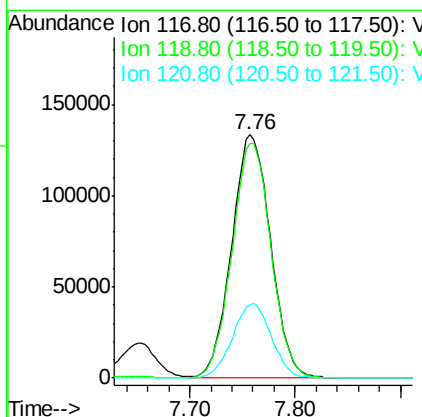
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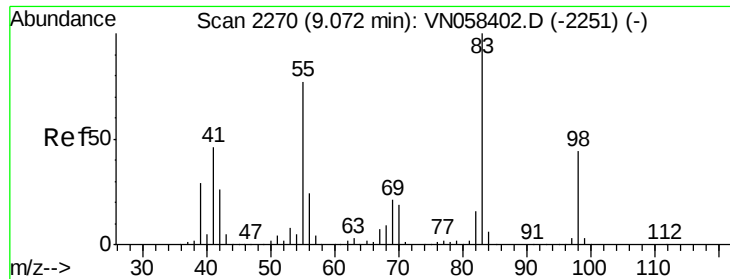
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#38
Carbon Tetrachloride
Concen: 51.333 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	30.4	24.7	37.1





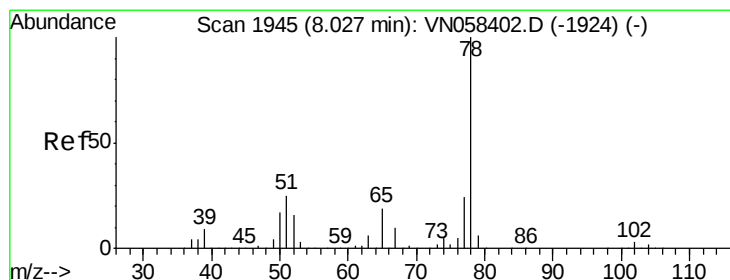
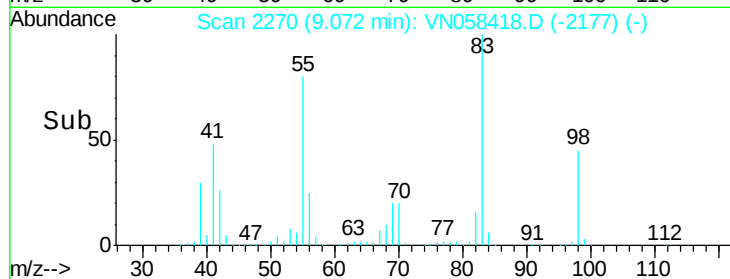
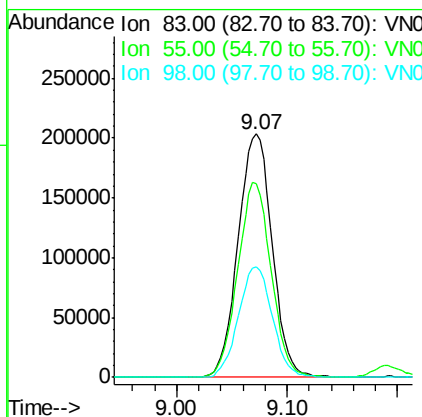
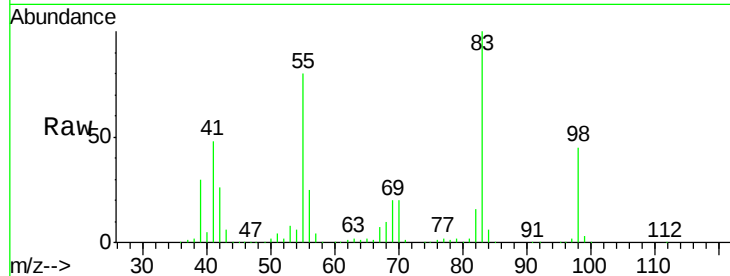
#39
Methvlcvclohexane
Concen: 50.811 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.8	92.6
98	45.4	35.4	53.0

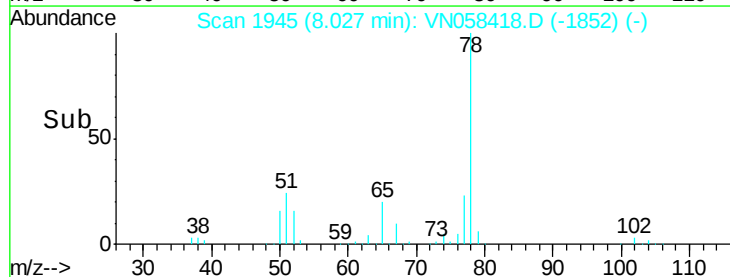
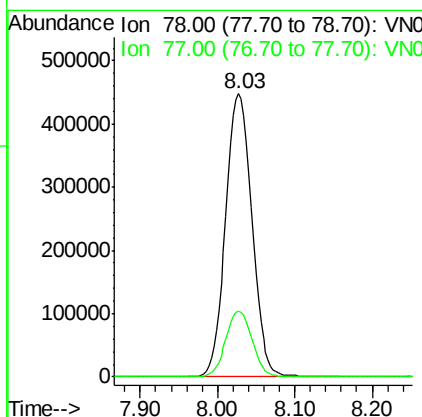
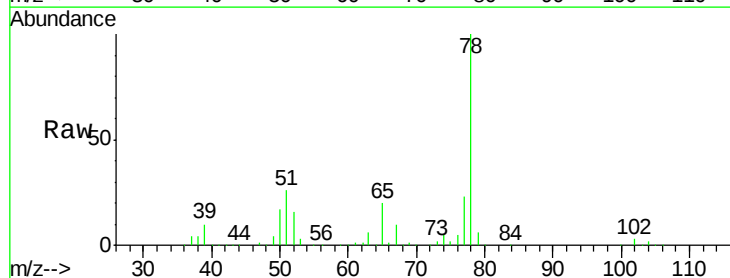
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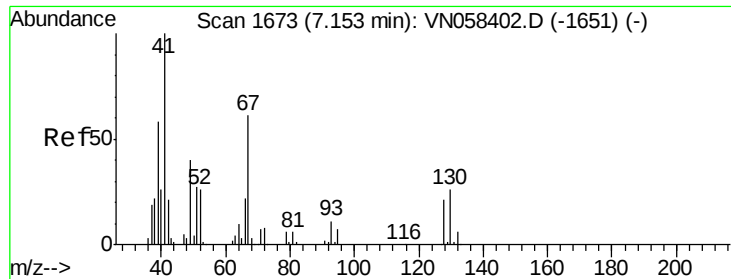
MMDadoda
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#40
Benzene
Concen: 50.026 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





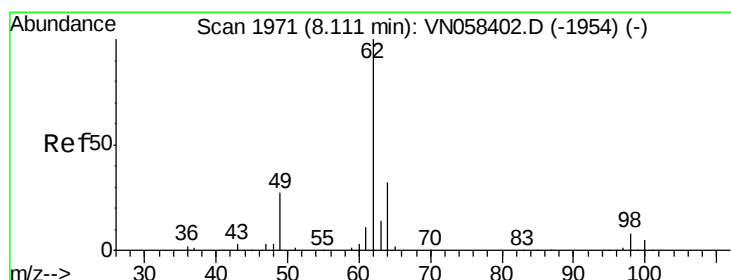
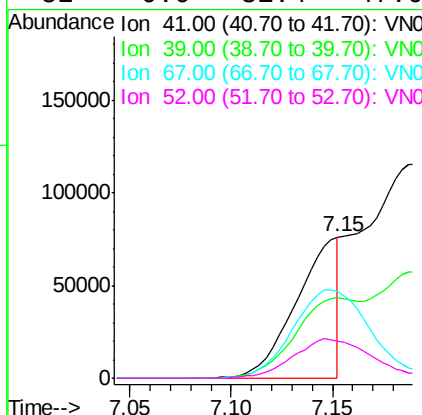
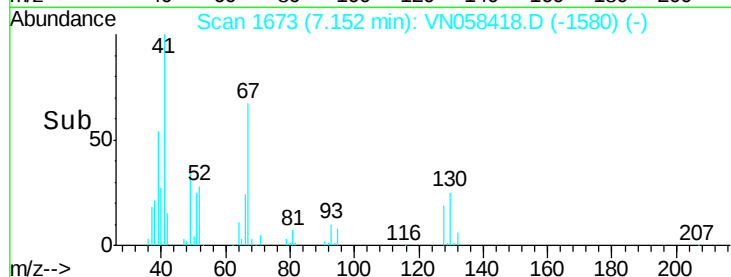
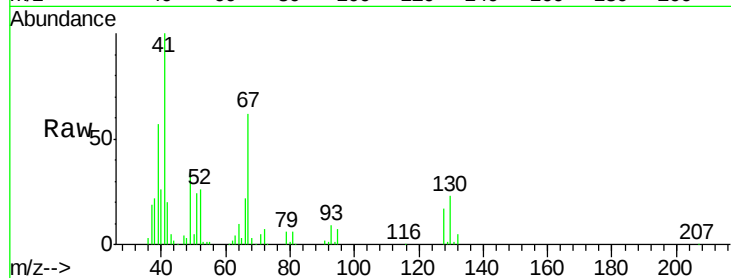
#41
Methacrylonitrile
Concen: 38.824 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

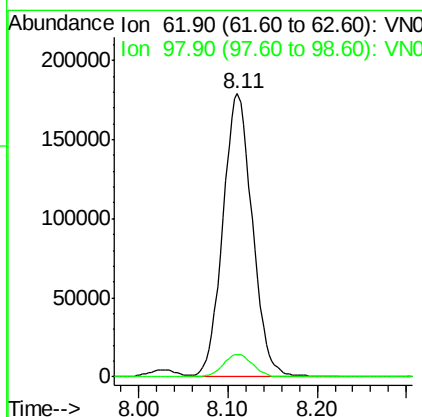
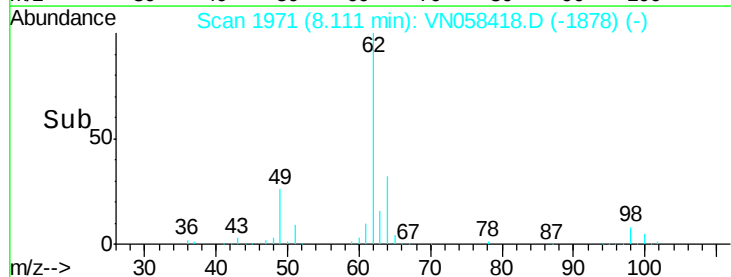
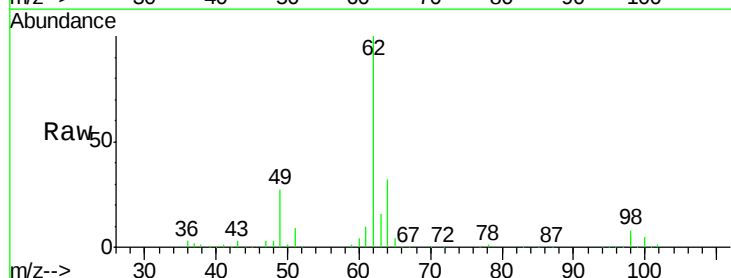
Manual Integrations
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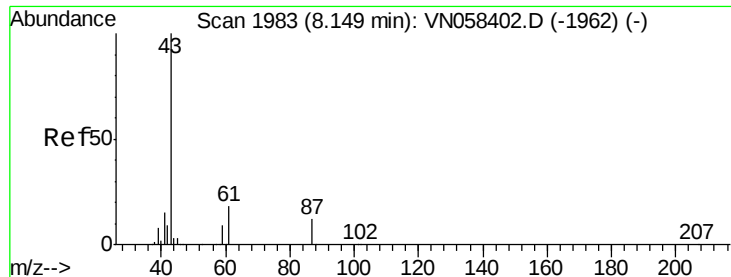
MMDadoda
9/30/2019 10:19:04 AM



#42
1,2-Dichloroethane
Concen: 49.658 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





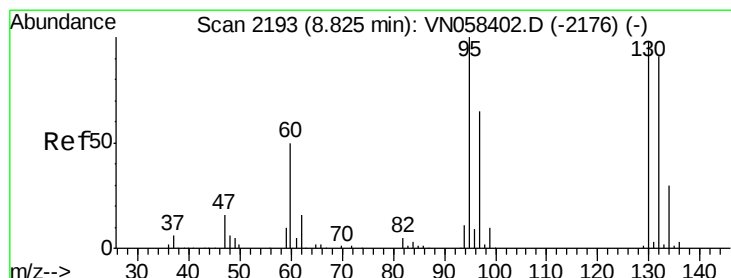
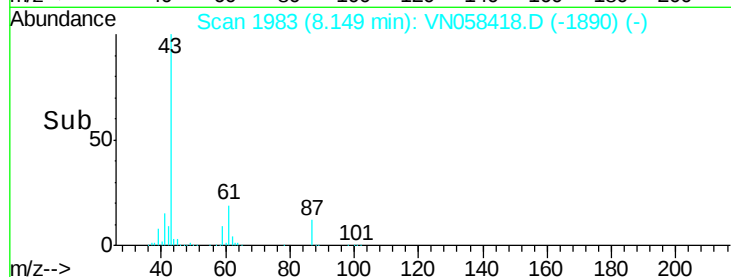
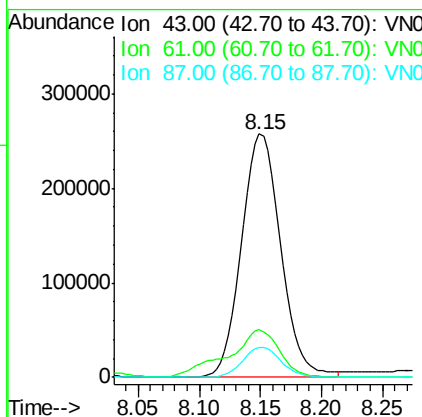
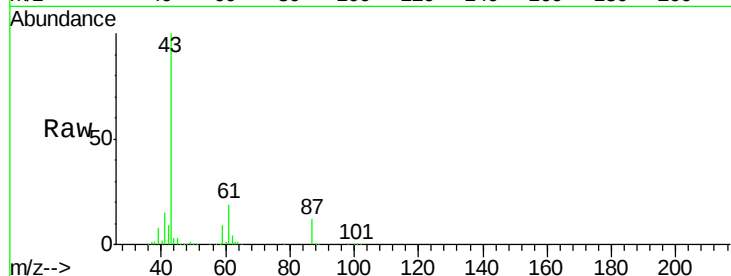
#43
Isopropyl Acetate
Concen: 48.661 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	14.8	22.2
87	12.1	9.7	14.5

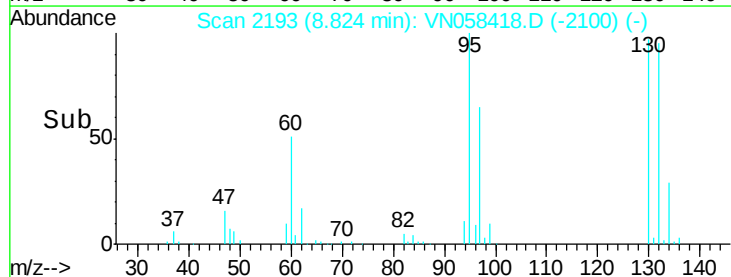
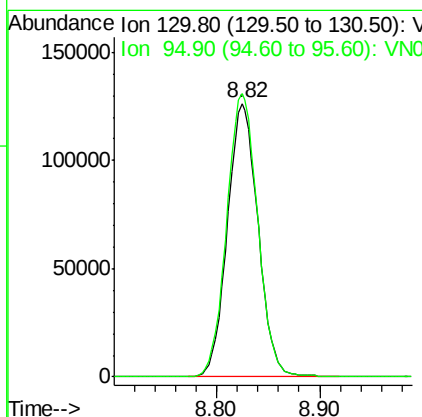
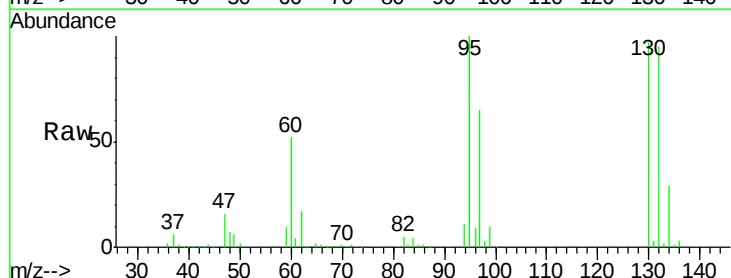
Manual Integrations
APPROVED

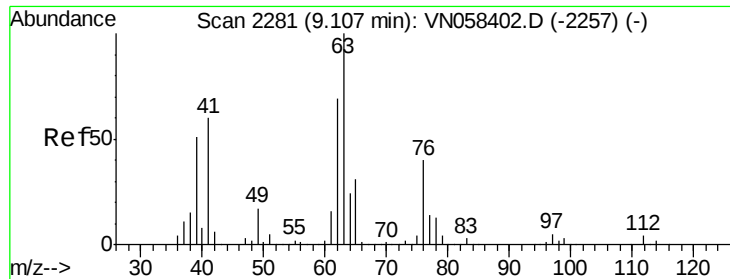
MMDadoda
9/30/2019 10:19:04 AM



#44
Trichloroethene
Concen: 50.108 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	204.2





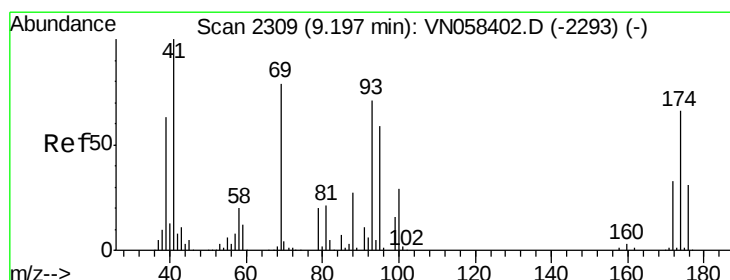
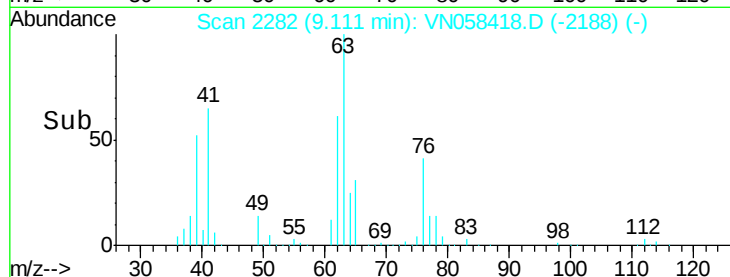
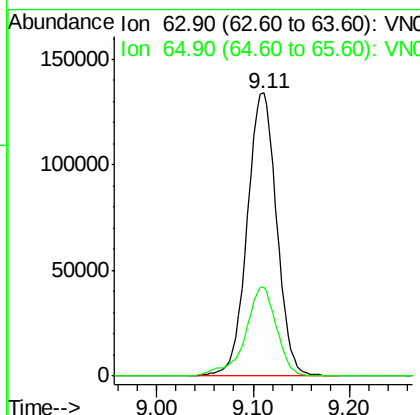
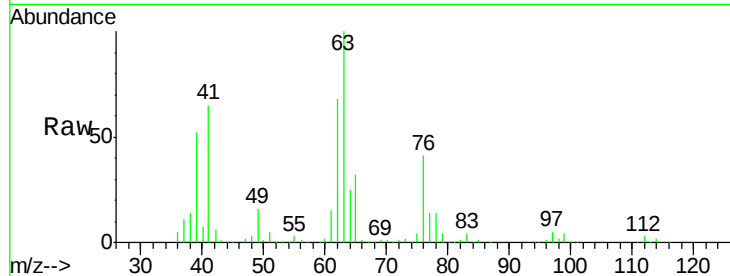
#45
 1,2-Dichloropropane
 Concen: 50.161 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 284375
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

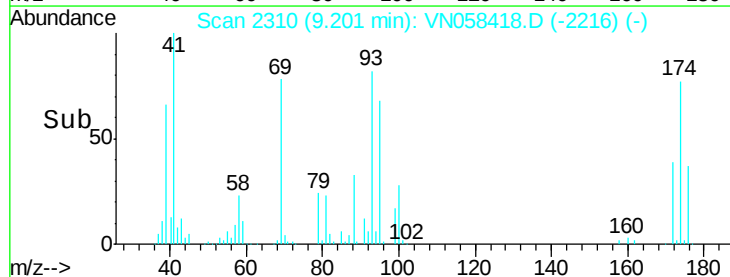
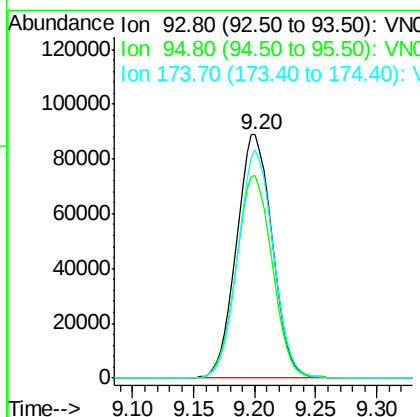
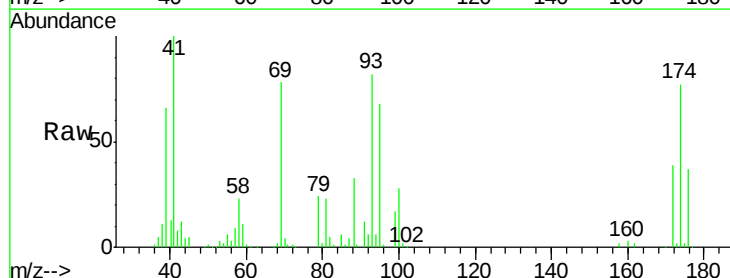
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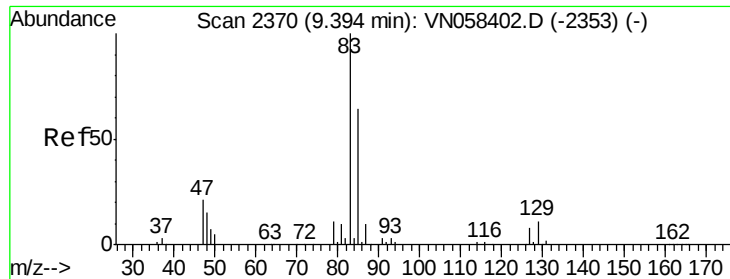
MMDadoda
 9/30/2019 10:19:04 AM



#46
 Dibromomethane
 Concen: 50.336 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion: 93 Resp: 180721
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.4
 174 92.3 74.2 111.2





#47

Bromodichloromethane

Concen: 52.882 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

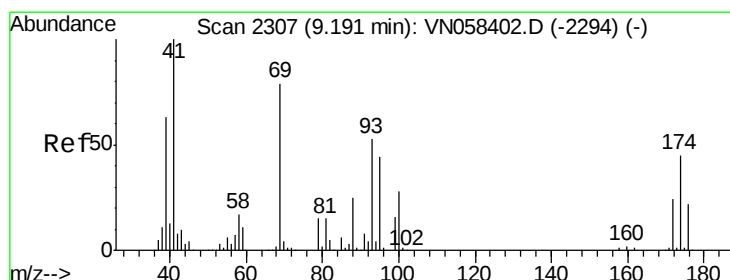
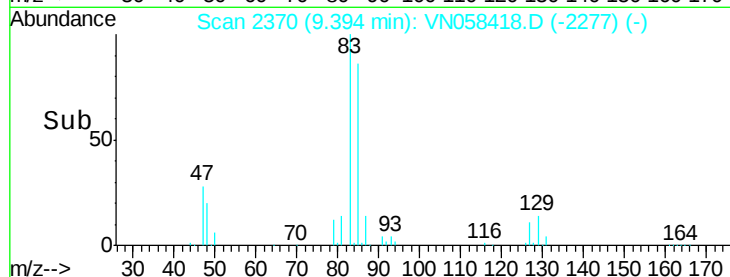
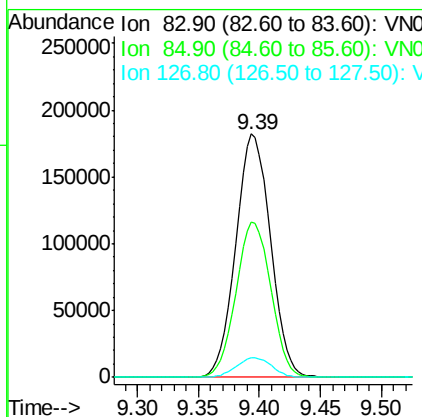
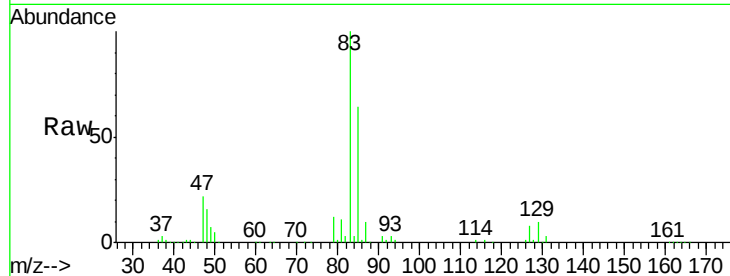
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	359722
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.2	76.8
127	8.2	6.3	9.5

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 51.620 ug/l

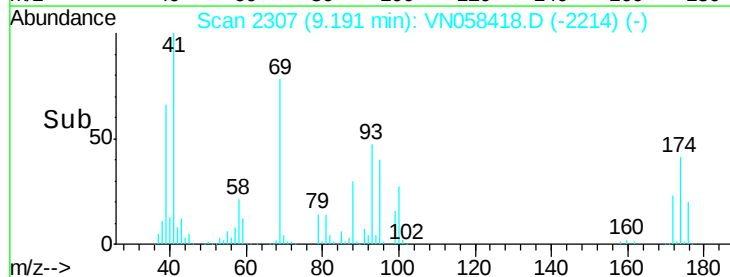
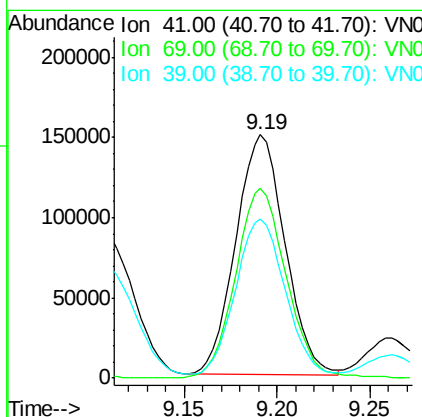
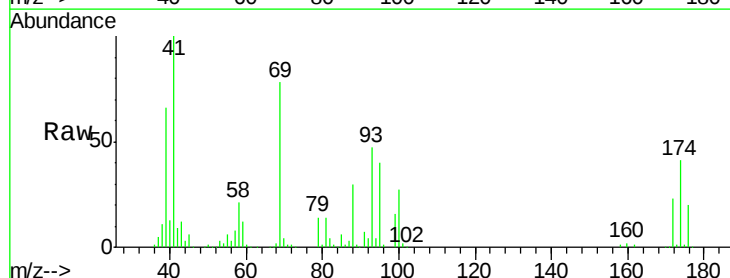
RT: 9.19 min Scan# 2307

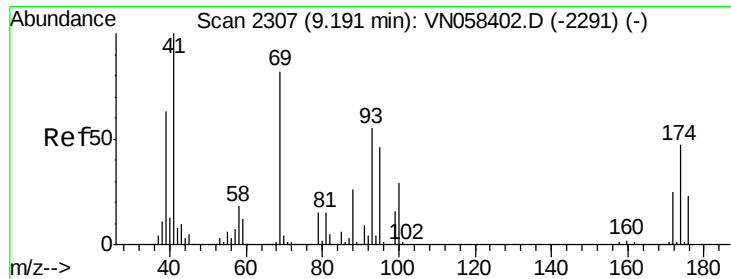
Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	41	Resp:	275582
Ion Ratio	Lower	Upper	
41	100		
69	81.8	64.7	97.1
39	67.8	52.9	79.3





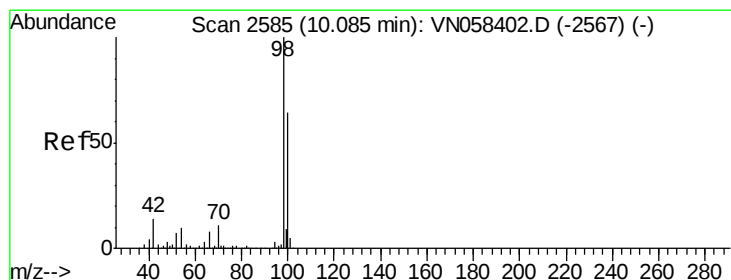
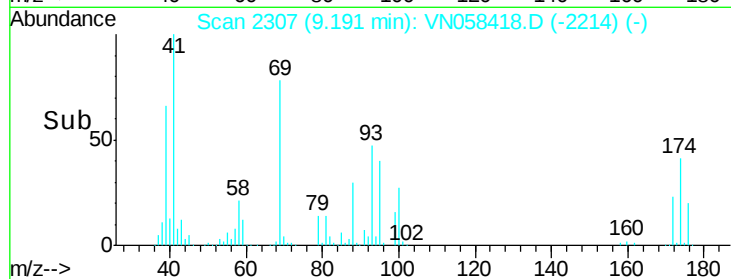
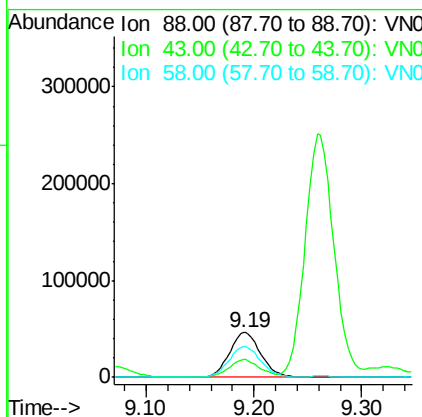
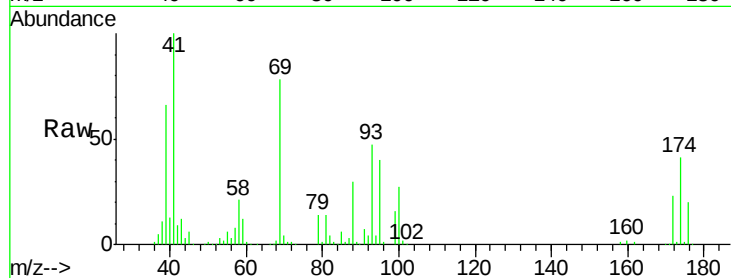
#49
1,4-Dioxane
Concen: 1313.922 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	93795		
43	36.6		31.1	46.7
58	70.0		58.1	87.1

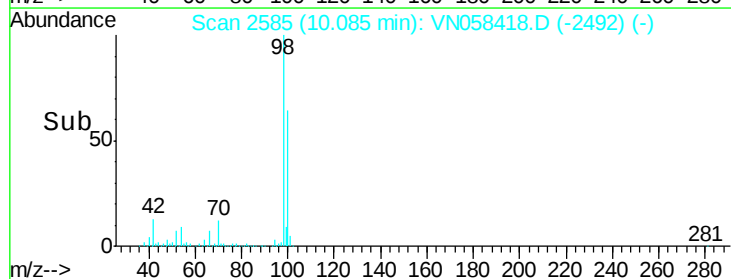
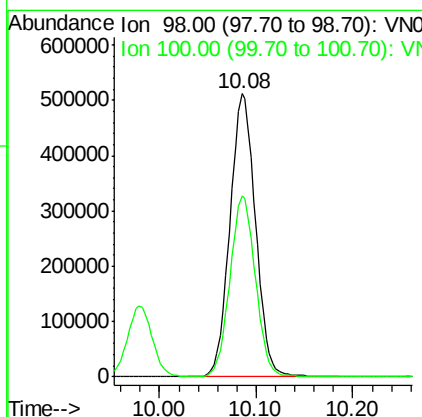
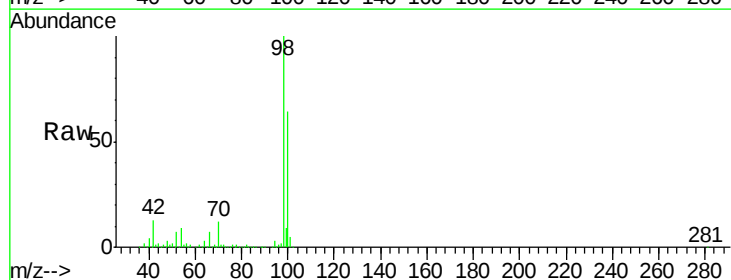
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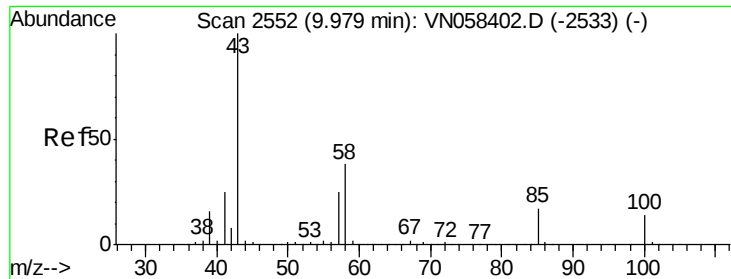
MMDadoda
9/30/2019 10:19:04 AM



#50
Toluene-d8
Concen: 50.914 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	940149		
100	63.7		51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 281.388 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1694648

Ion Ratio Lower Upper

43 100

58 37.4

30.2

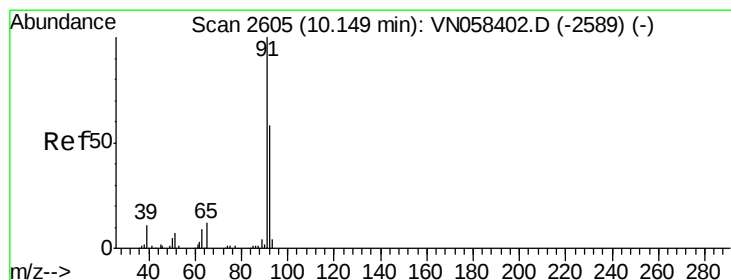
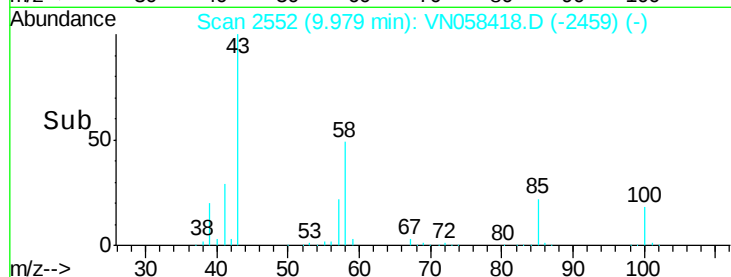
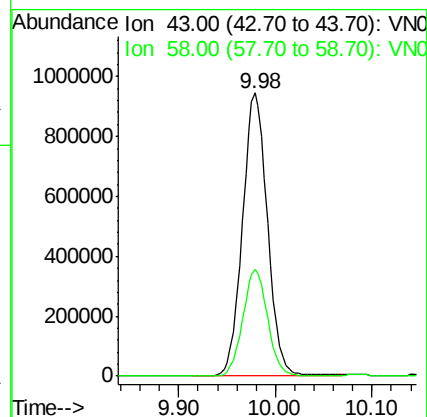
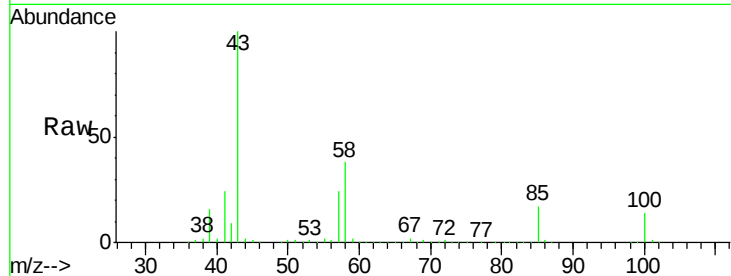
45.2

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#52

Toluene

Concen: 49.842 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion: 92 Resp: 663156

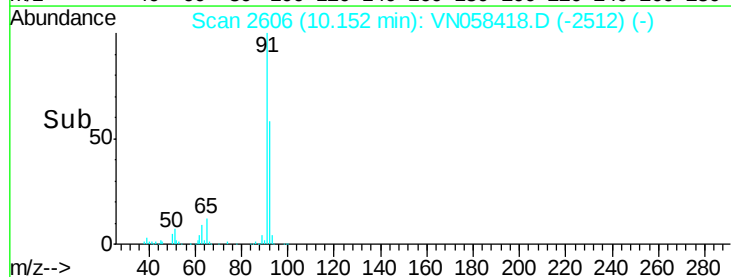
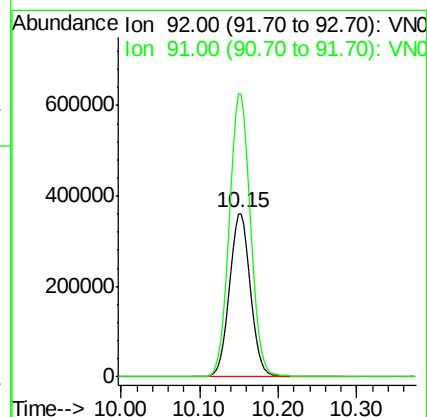
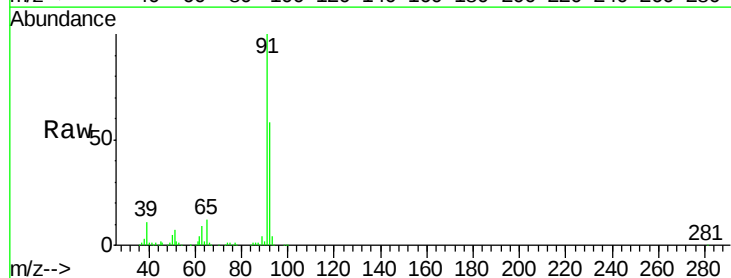
Ion Ratio Lower Upper

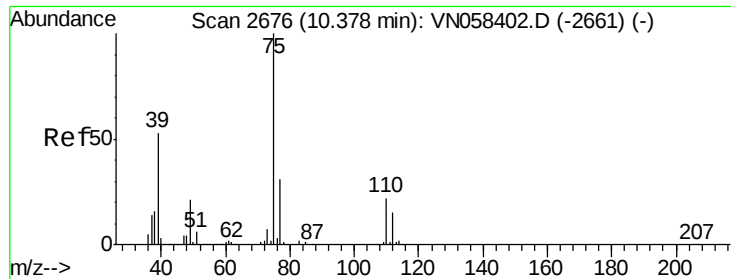
92 100

91 175.2

140.2

210.4





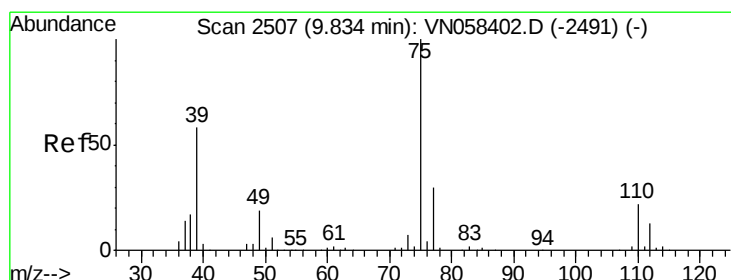
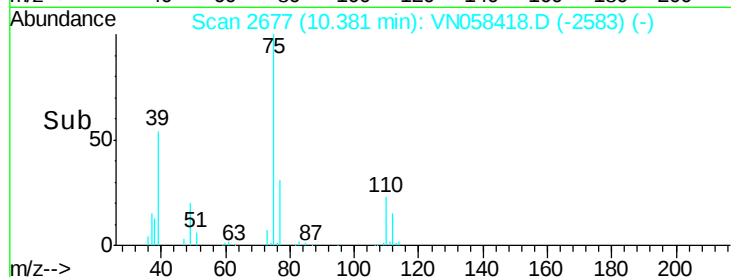
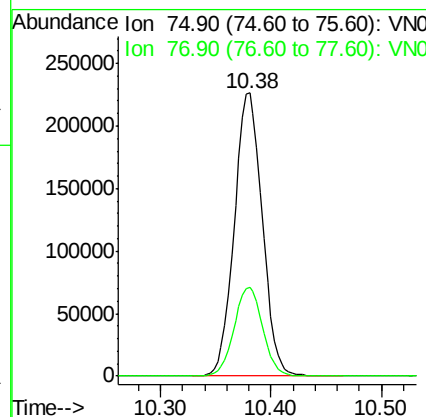
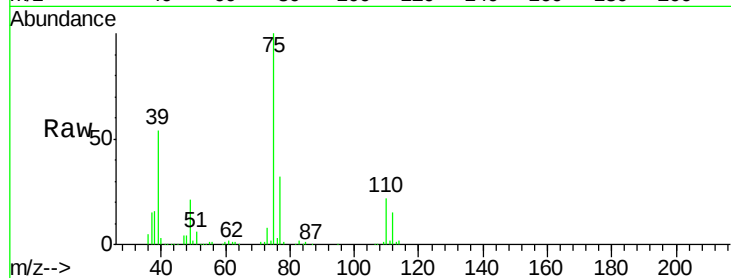
#53
t-1,3-Dichloropropene
Concen: 53.898 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8

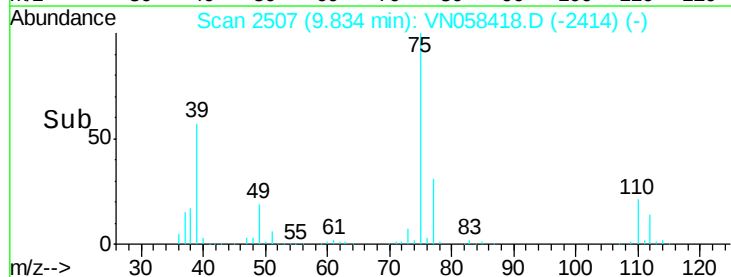
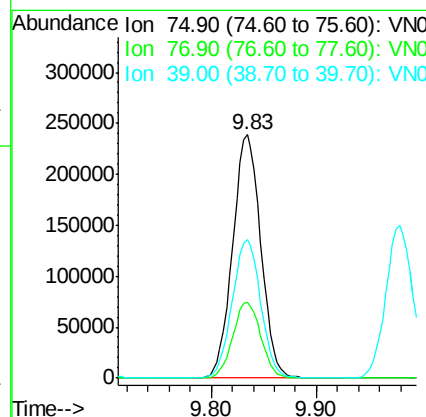
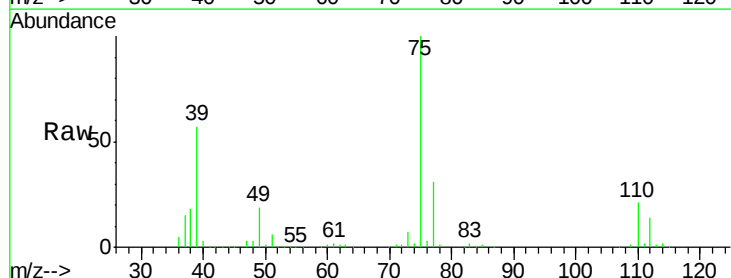
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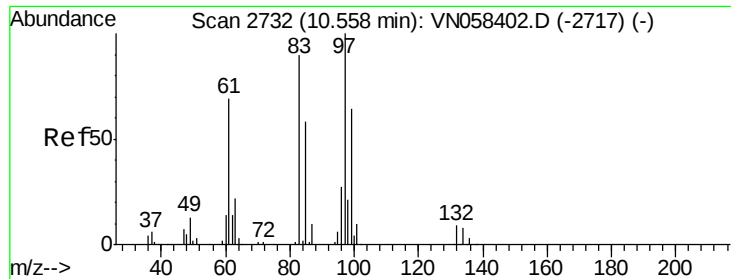
MMDadoda
9/30/2019 10:19:04 AM



#54
cis-1,3-Dichloropropene
Concen: 53.638 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.2	36.4
39	56.6	46.4	69.6





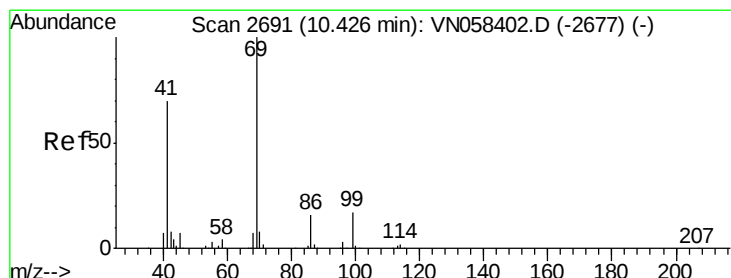
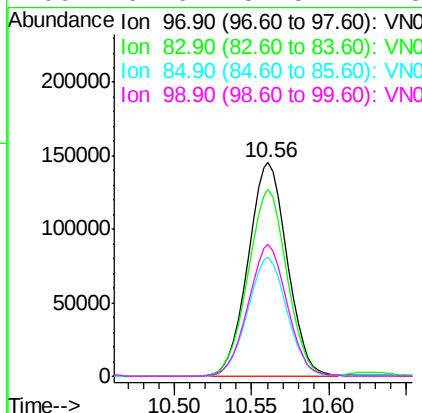
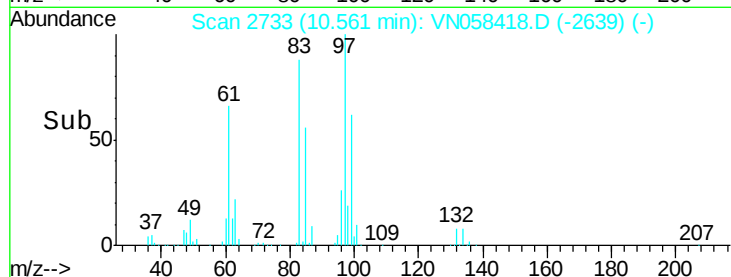
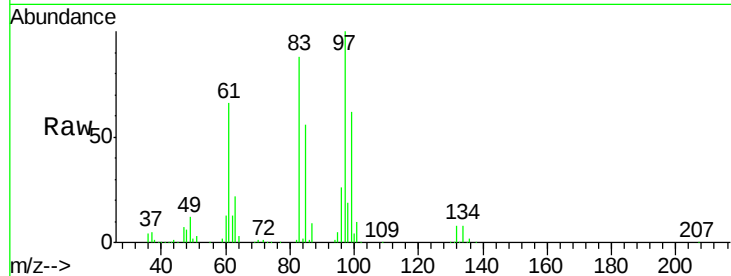
#55
 1,1,2-Trichloroethane
 Concen: 52.874 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	97	Resp	256156
Ion	Ratio	Lower	Upper
97	100		
83	87.7	71.8	107.6
85	55.7	46.6	69.8
99	61.6	51.5	77.3

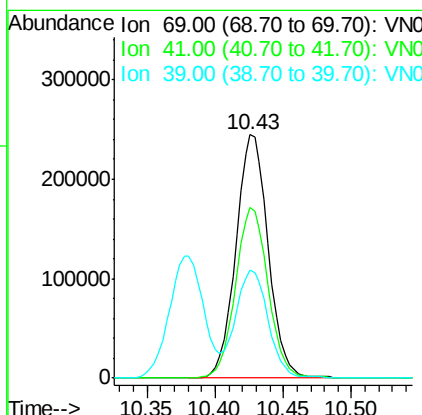
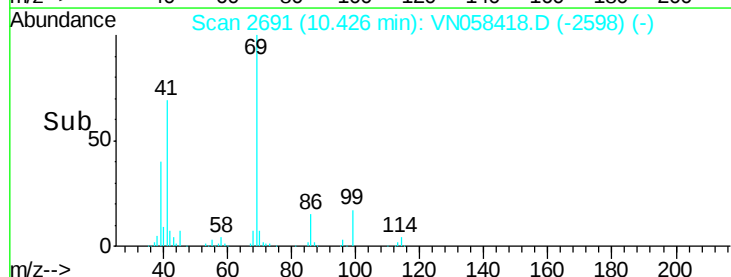
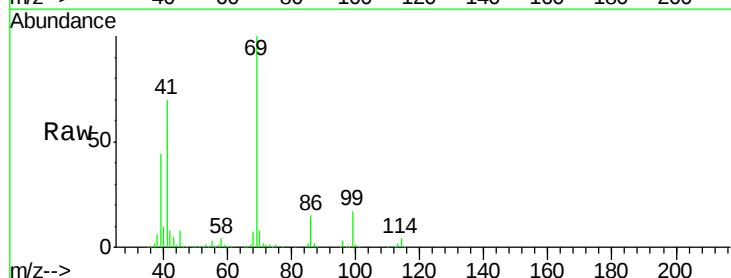
Manual Integrations
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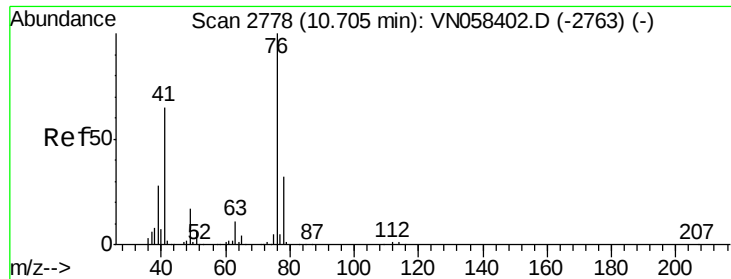
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 9/30/2019 10:19:04 AM



#56
 Ethyl methacrylate
 Concen: 54.607 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion	69	Resp	401437
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.3	84.5
39	44.7	35.8	53.6





#57

1,3-Dichloropropane

Concen: 51.761 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 447295

Ion Ratio Lower Upper

76 100

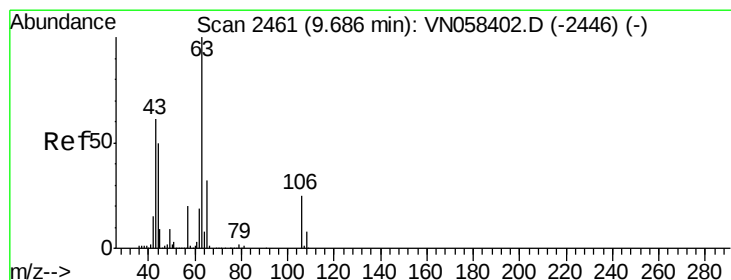
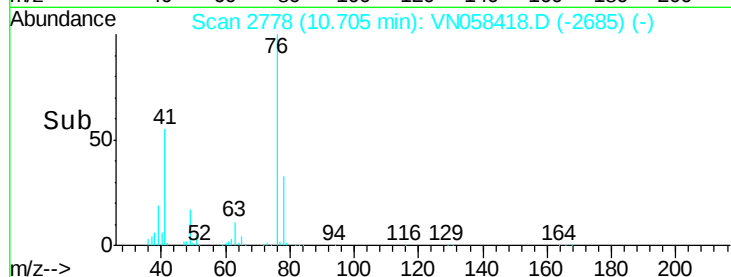
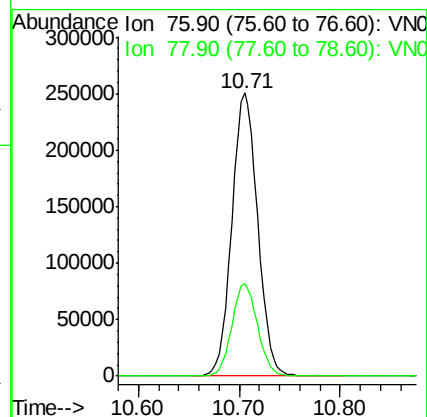
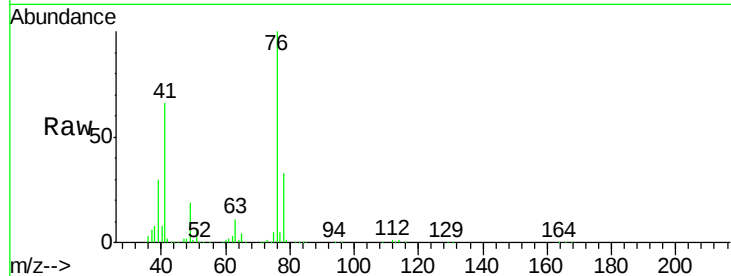
78 32.5 25.7 38.5

Manual Integrations

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9/30/2019 10:19:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 273.648 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058418.D

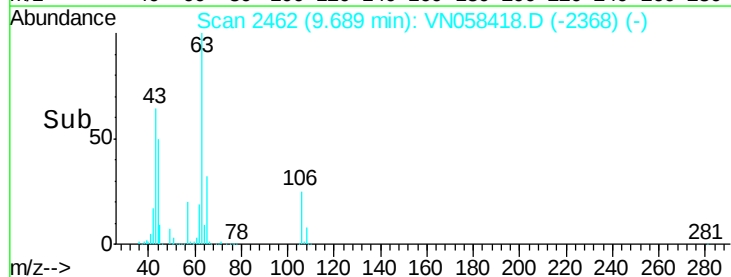
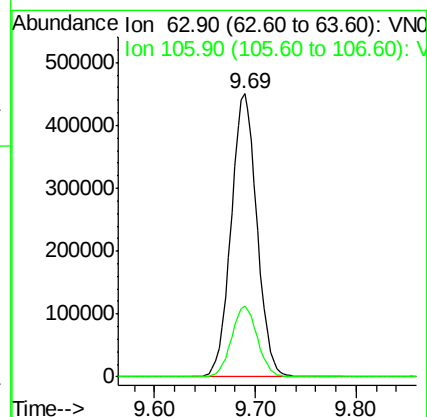
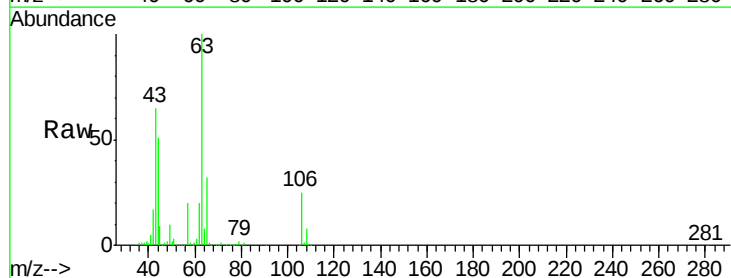
Acq: 27 Sep 2019 19:04

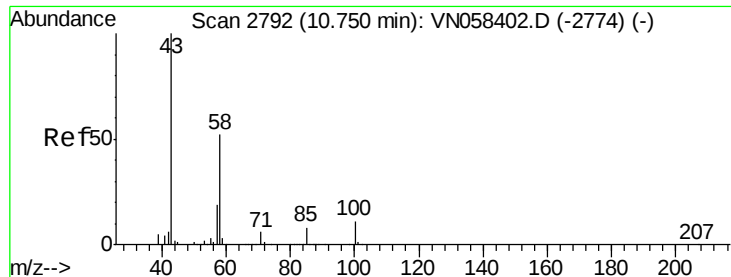
Tgt Ion: 63 Resp: 802152

Ion Ratio Lower Upper

63 100

106 25.0 20.3 30.5





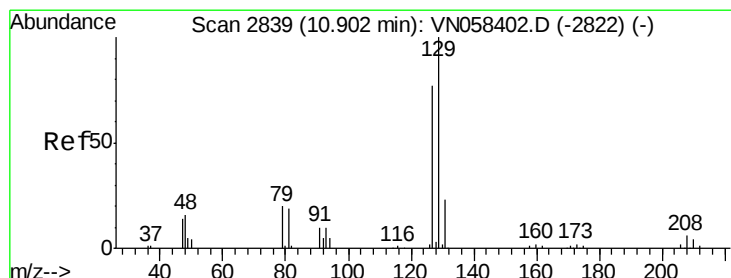
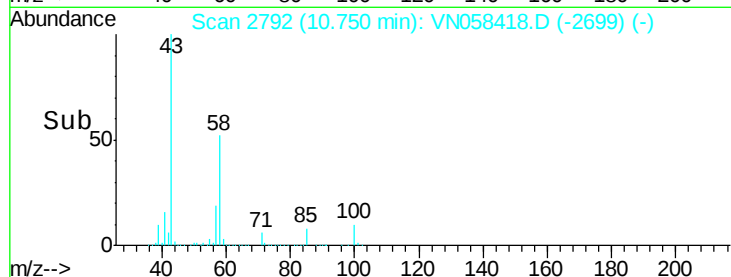
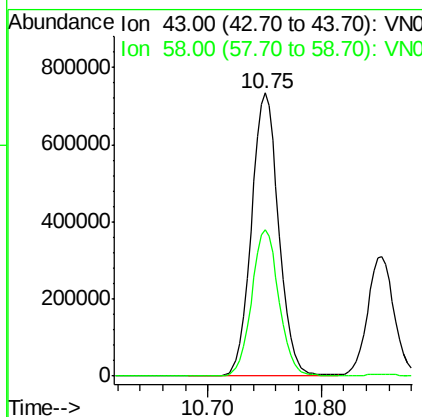
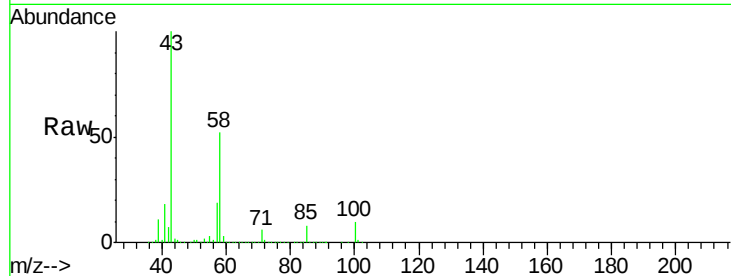
#59
2-Hexanone
Concen: 279.536 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1225839
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

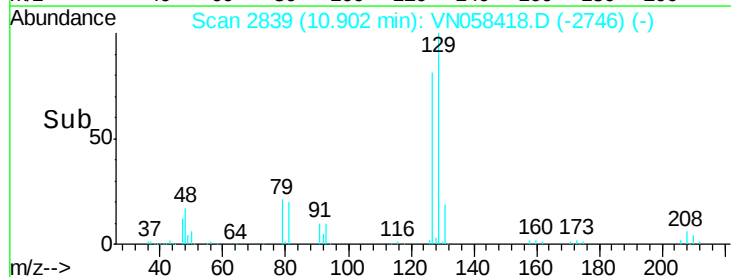
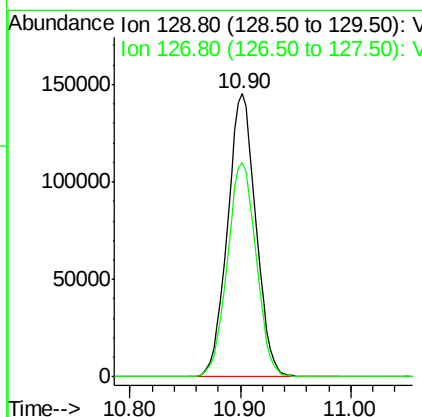
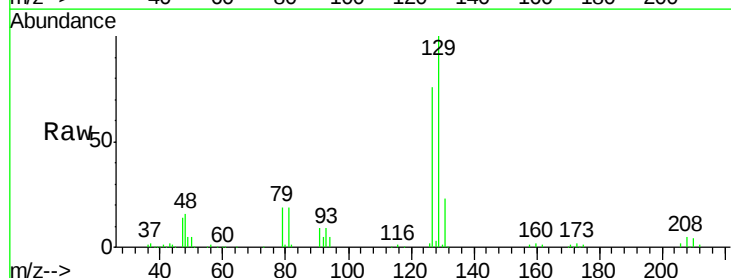
Manual Integrations
APPROVED

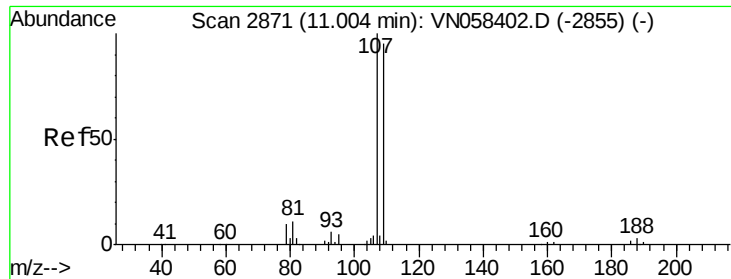
MMDadoda
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#60
Dibromochloromethane
Concen: 51.535 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion: 129 Resp: 258459
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





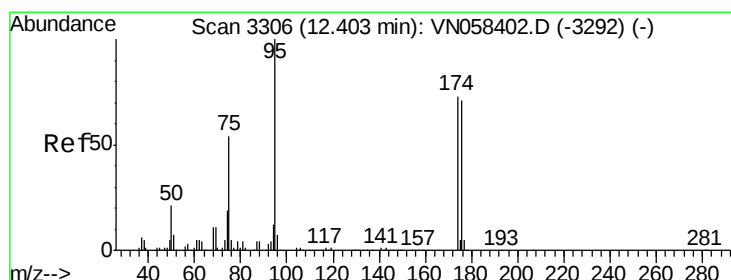
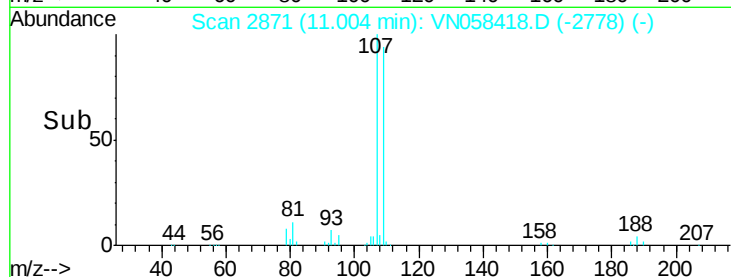
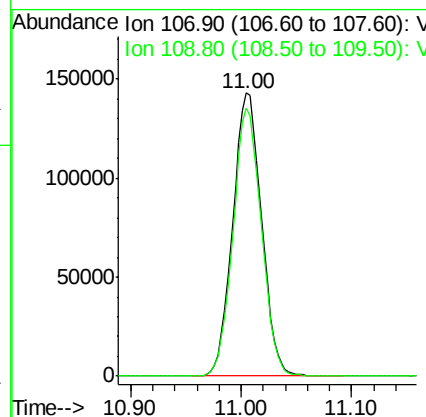
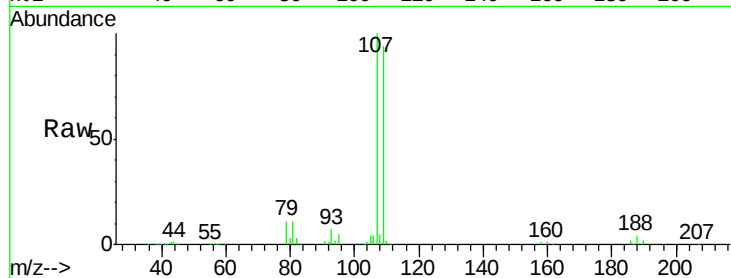
#61
 1,2-Dibromoethane
 Concen: 52.289 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

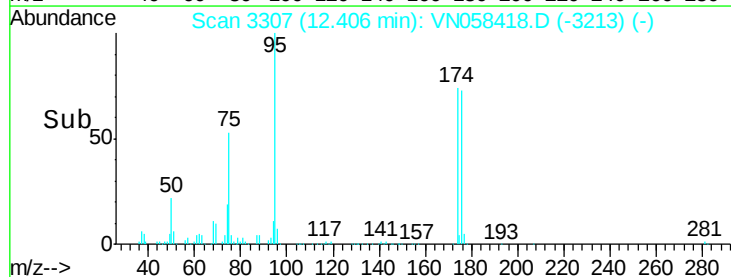
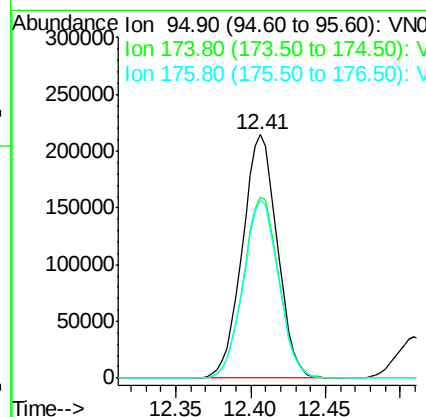
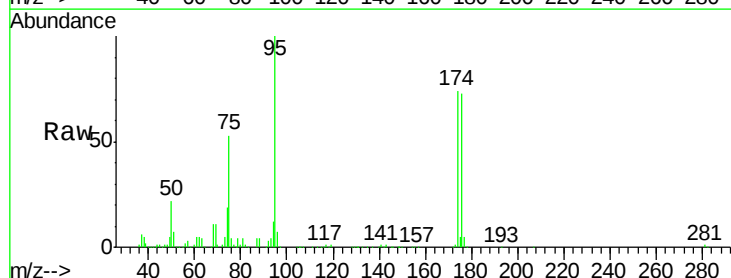
Manual Integrations
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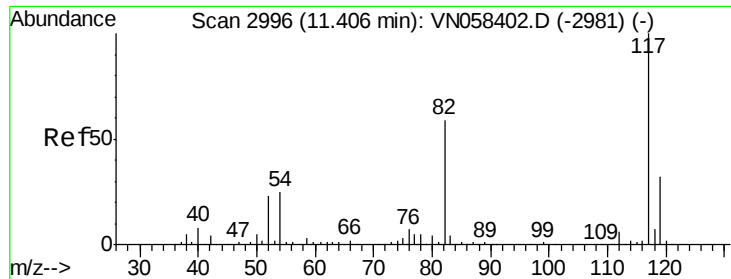
MMDadoda
 9/30/2019 10:19:04 AM



#62
 4-Bromofluorobenzene
 Concen: 52.205 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	150.6
176	73.8	0.0	146.2





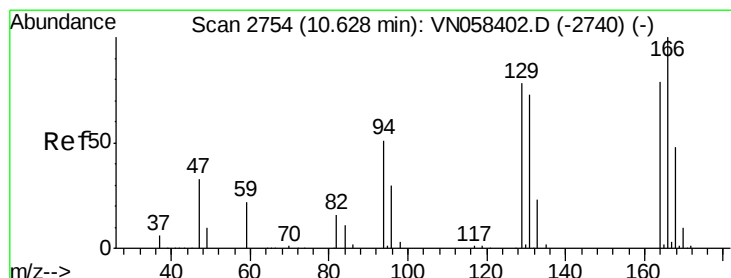
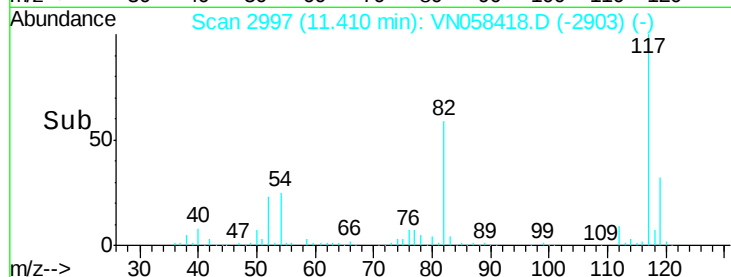
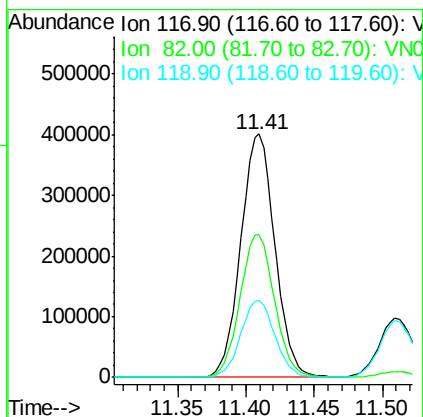
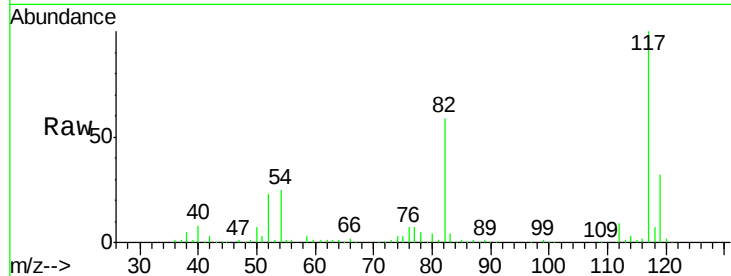
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.0
119	31.7	25.5	38.3

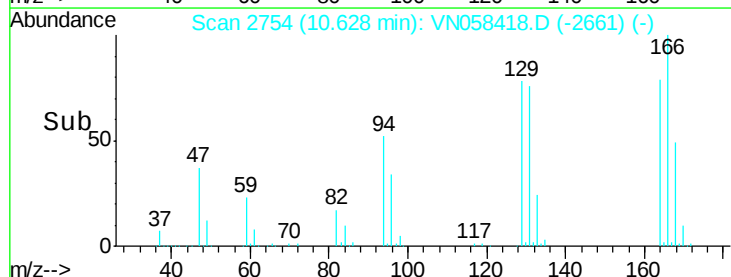
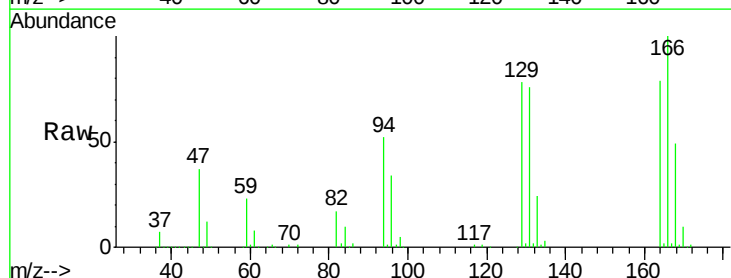
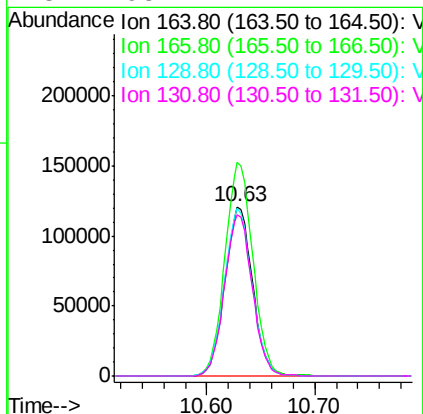
Manual Integrations
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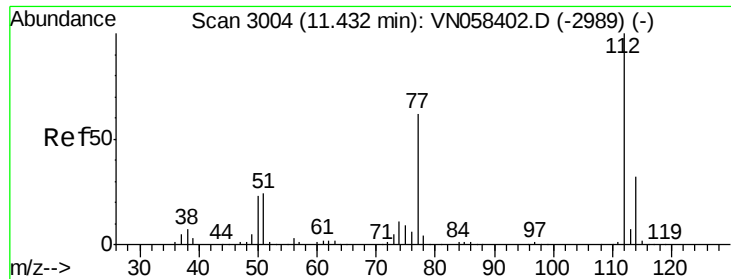
MMDadoda
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#64
Tetrachloroethene
Concen: 48.795 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.1	151.7
129	98.9	79.2	118.8
131	95.7	74.1	111.1





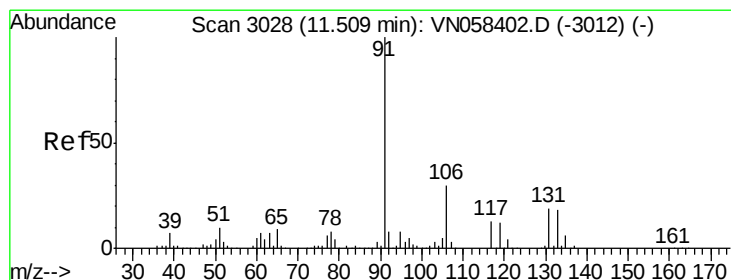
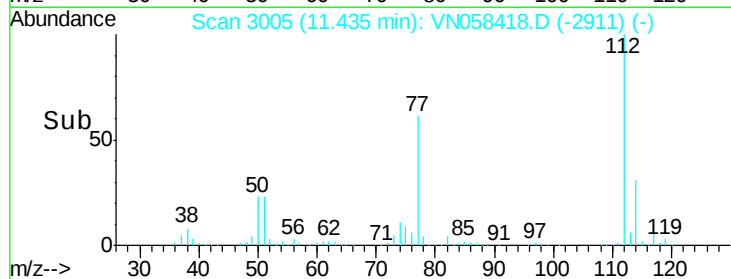
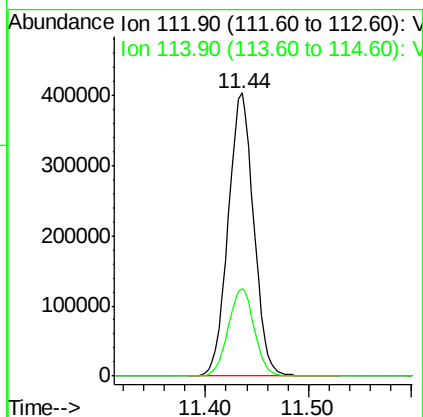
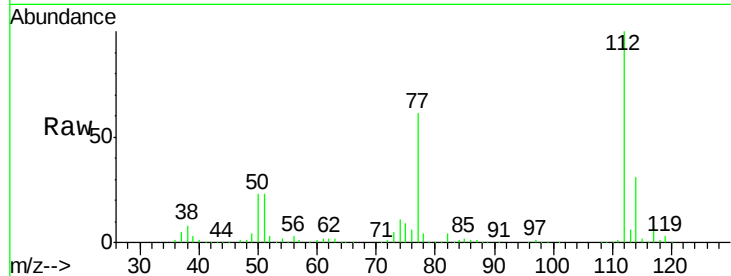
#65
Chlorobenzene
Concen: 50.277 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 695549
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

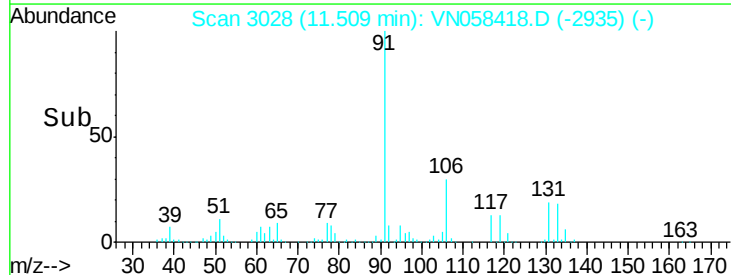
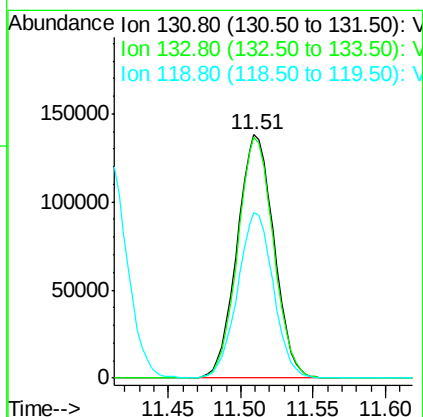
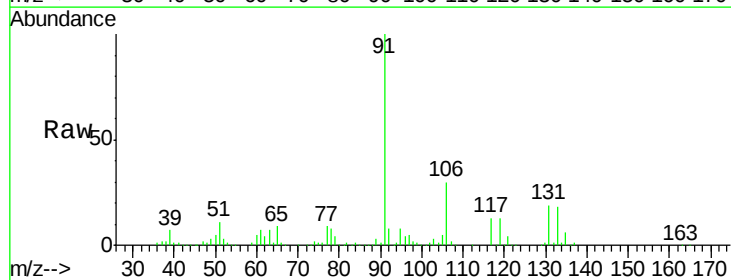
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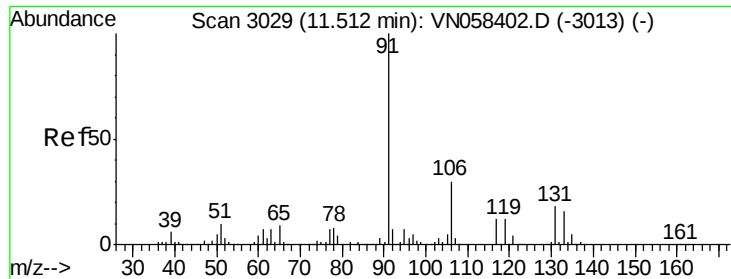
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.415 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion:131 Resp: 244311
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 65.7 33.0 99.0





#67

Ethyl Benzene

Concen: 52.150 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1306772

Ion Ratio Lower Upper

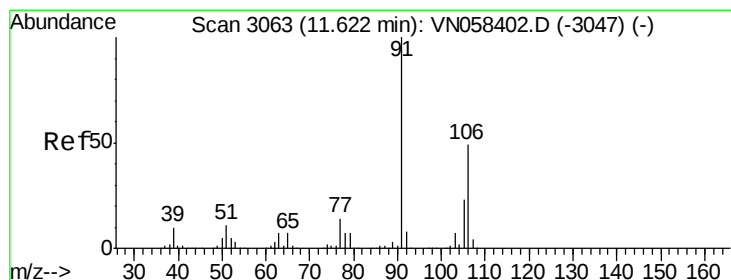
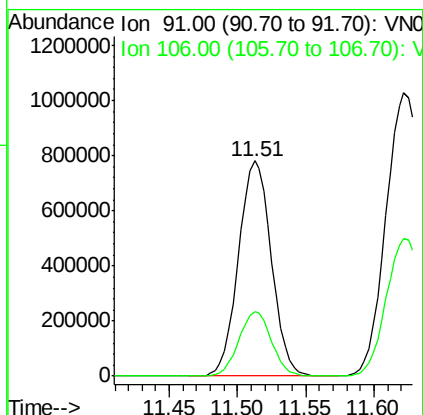
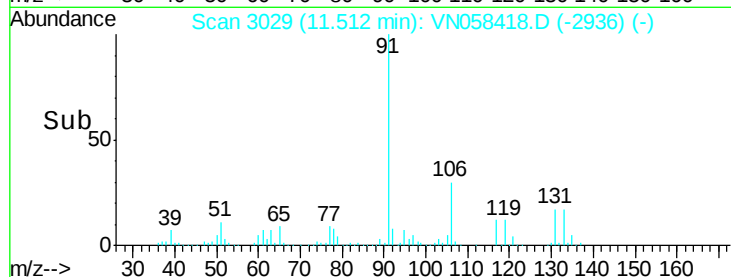
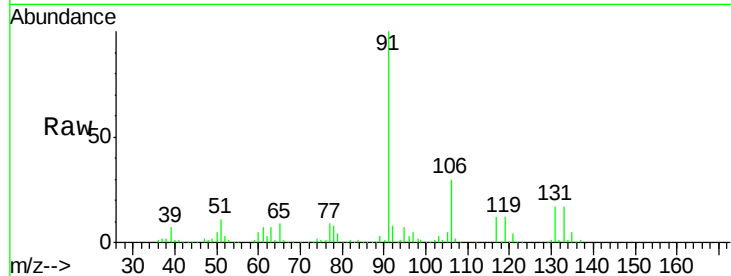
91 100

106 30.0 24.3 36.5

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#68

m/p-Xylenes

Concen: 102.168 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058418.D

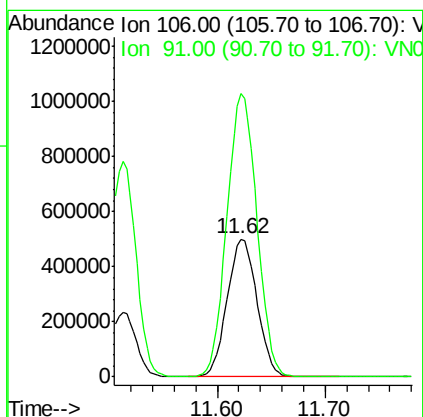
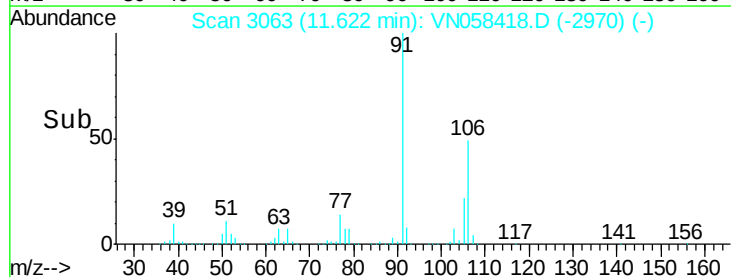
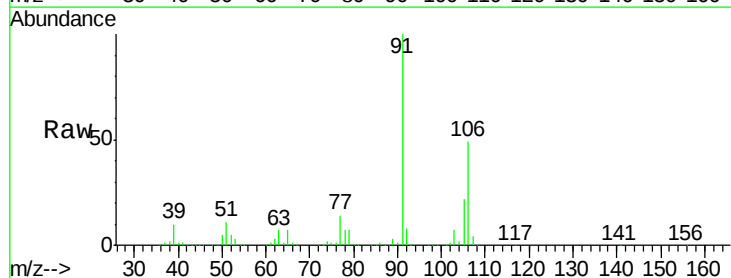
Acq: 27 Sep 2019 19:04

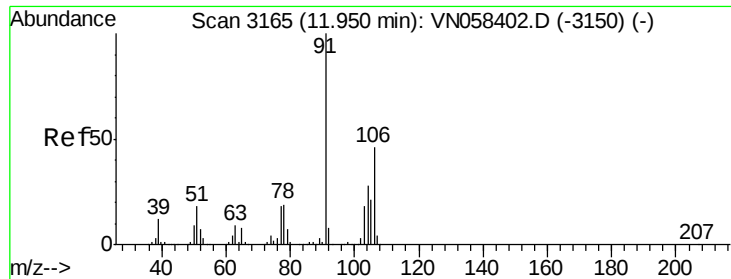
Tgt Ion: 106 Resp: 963220

Ion Ratio Lower Upper

106 100

91 206.7 165.0 247.4





#69

o-Xylene

Concen: 50.871 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 461680

Ion Ratio Lower Upper

106 100

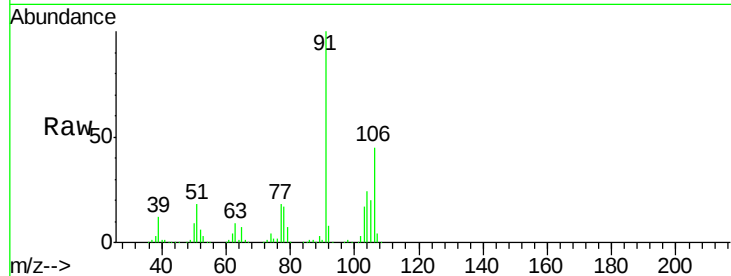
91 222.1 109.1 327.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

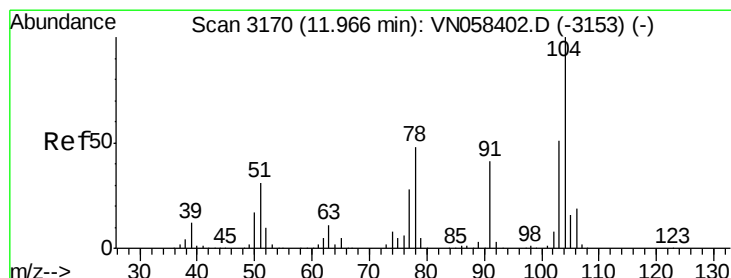
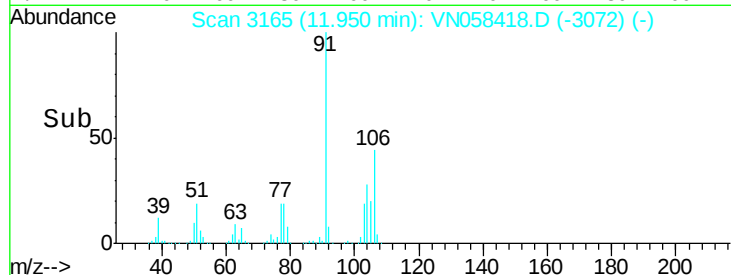
400000

200000

0

11.95

Time--> 11.85 11.90 11.95 12.00



#70

Styrene

Concen: 53.324 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

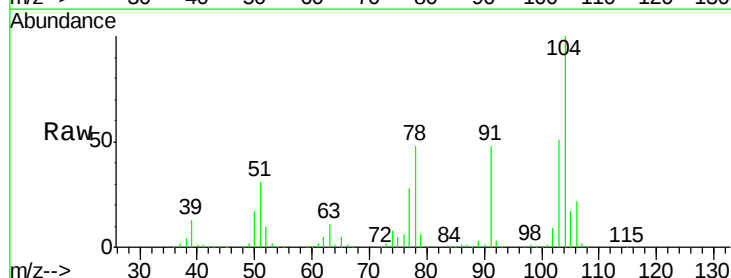
Tgt Ion:104 Resp: 786201

Ion Ratio Lower Upper

104 100

78 53.3 42.8 64.2

103 56.0 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

600000

500000

400000

300000

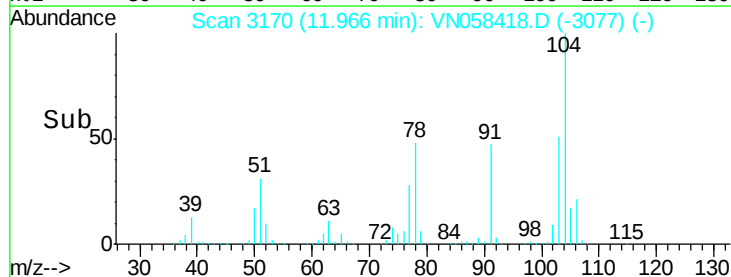
200000

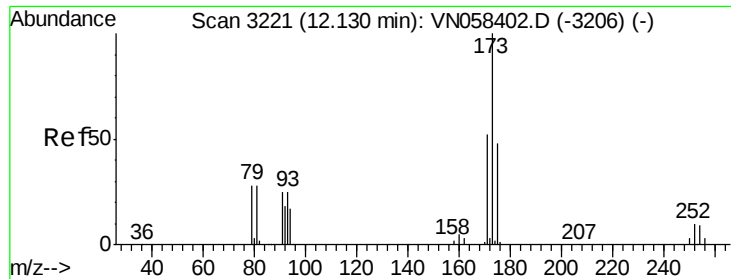
100000

0

11.97

Time--> 11.90 12.00





#71

Bromoform

Concen: 50.249 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 161870

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

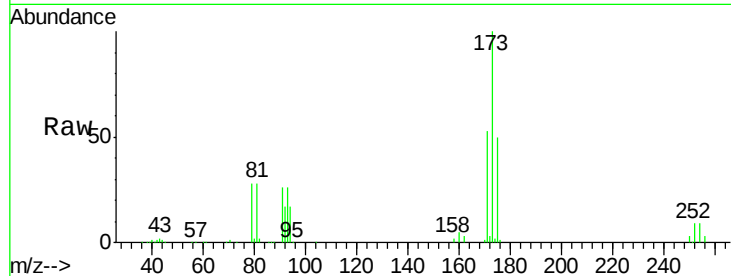
254 0.0 0.1 0.1#

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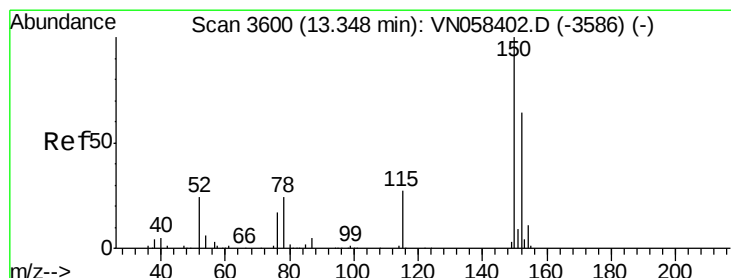
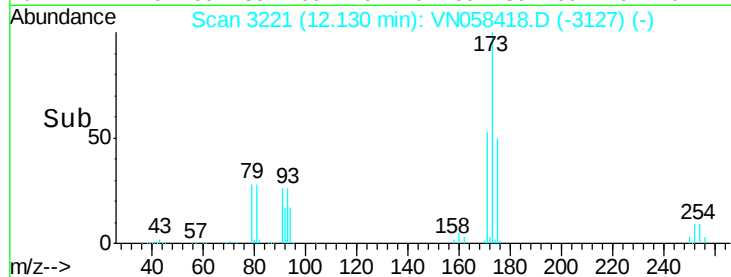
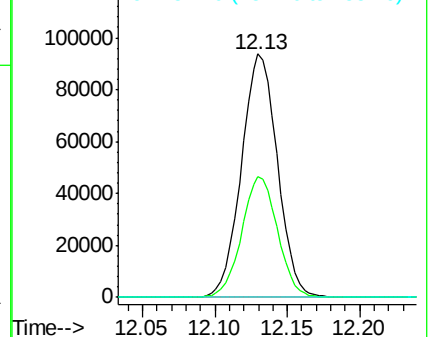
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

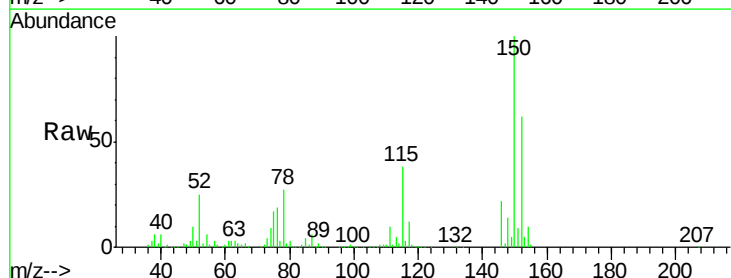
Tgt Ion:152 Resp: 341503

Ion Ratio Lower Upper

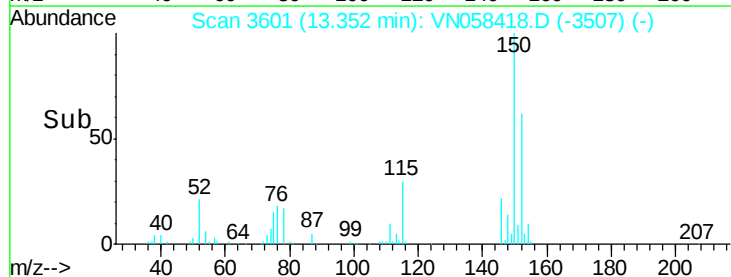
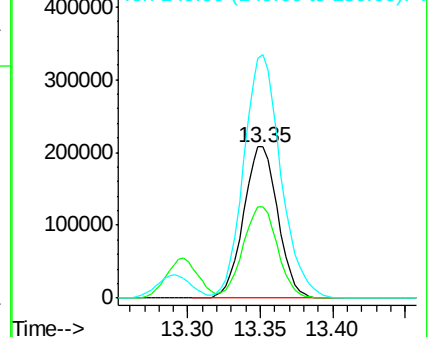
152 100

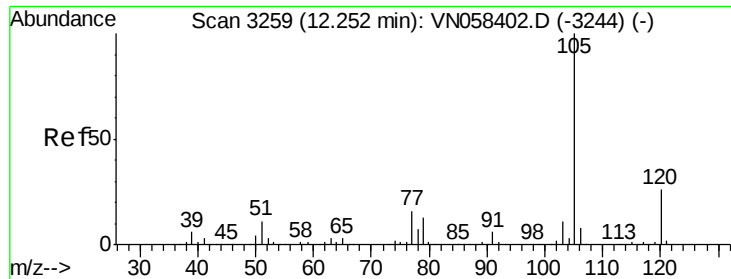
115 61.1 30.0 90.0

150 173.8 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.334 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1270319

Ion Ratio Lower Upper

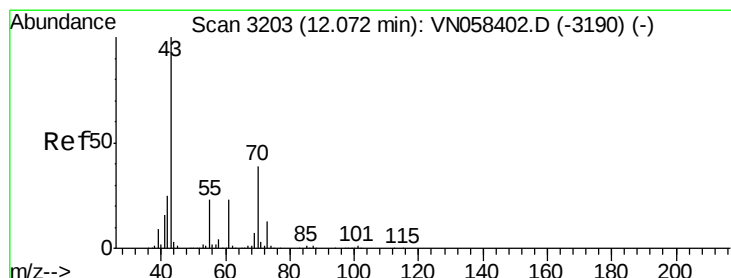
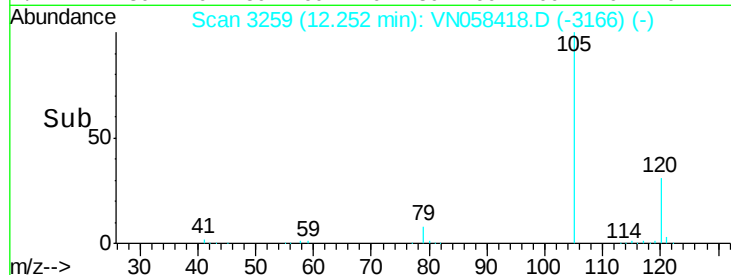
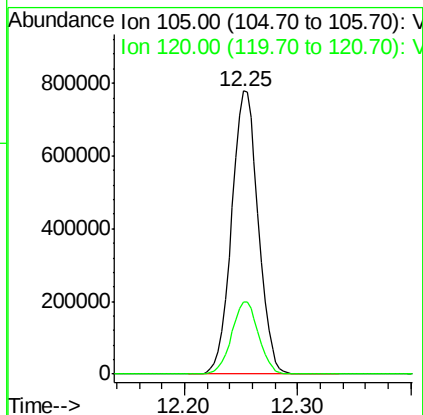
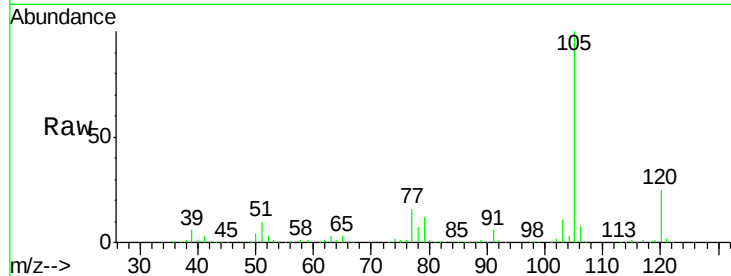
105 100

120 25.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 52.571 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion: 43 Resp: 527827

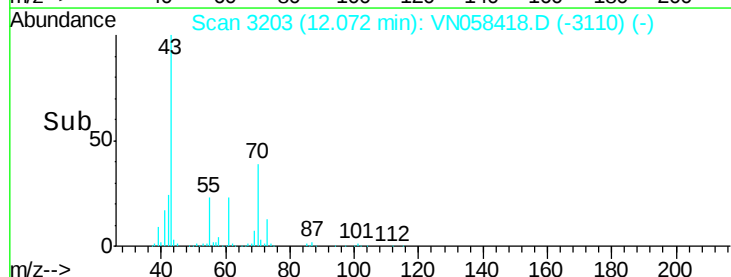
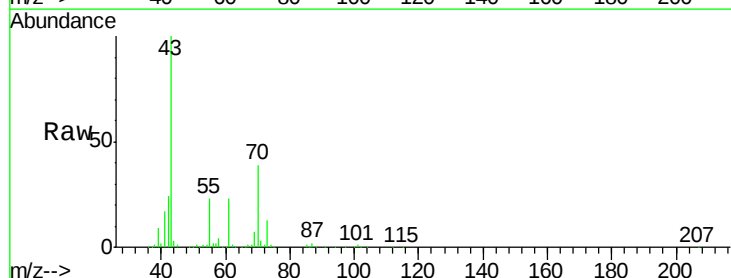
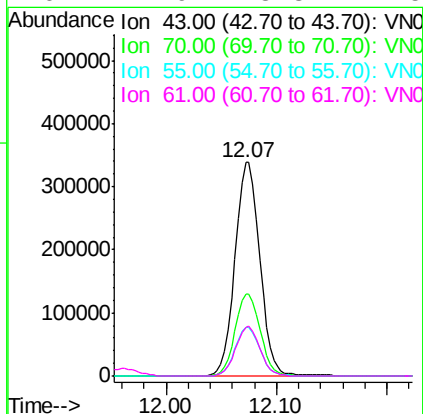
Ion Ratio Lower Upper

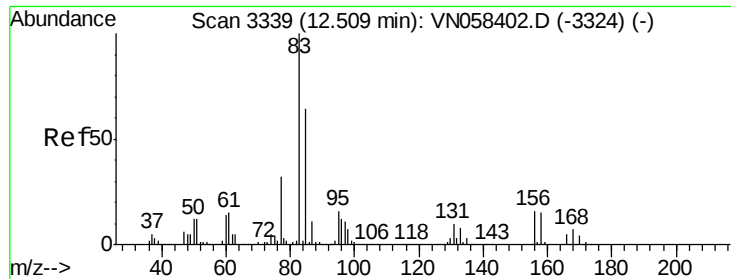
43 100

70 39.0 31.4 47.2

55 23.0 18.2 27.4

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.867 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

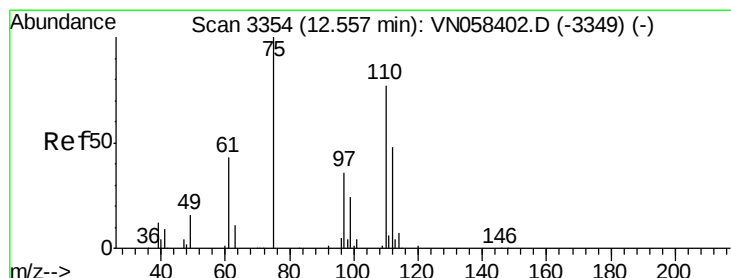
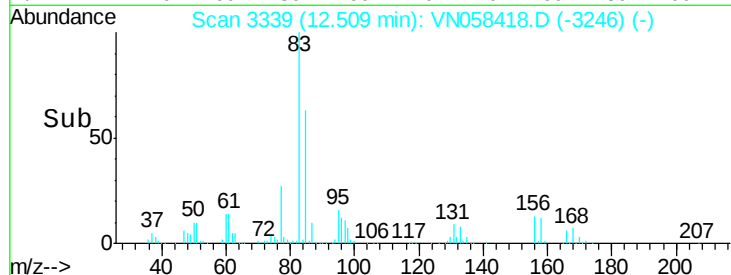
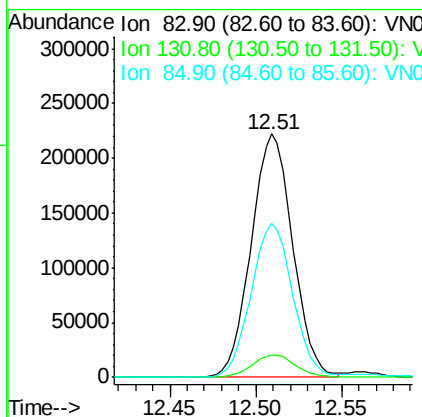
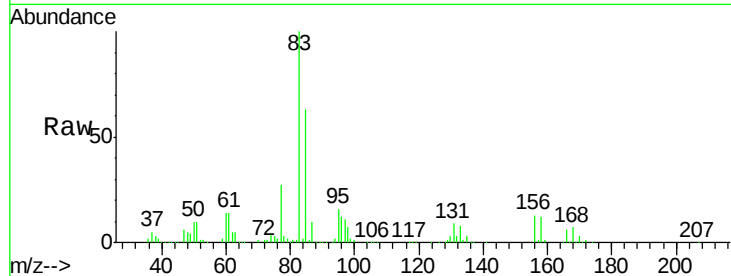
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	372154
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.396 ug/l m

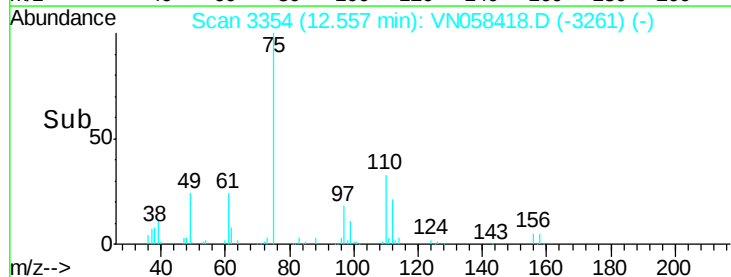
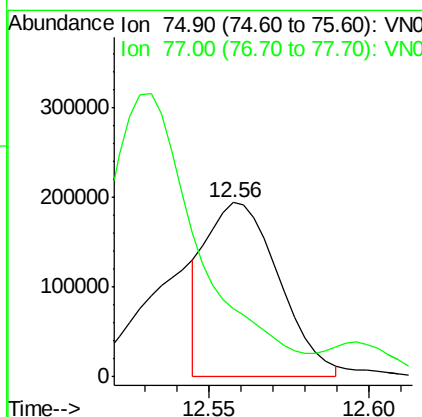
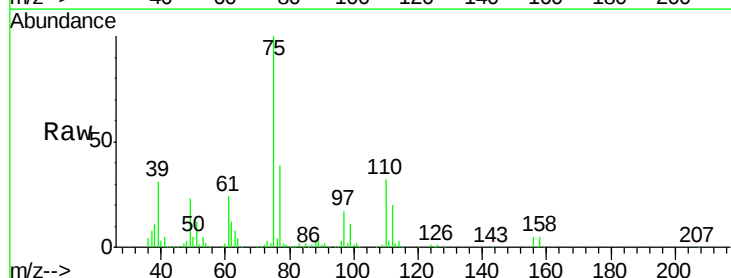
RT: 12.56 min Scan# 3354

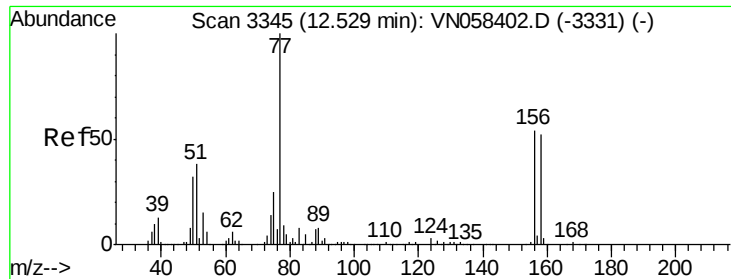
Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	75	Resp:	308113
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.742 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 288442

Ion Ratio Lower Upper

156 100

77 223.9 110.0 330.0

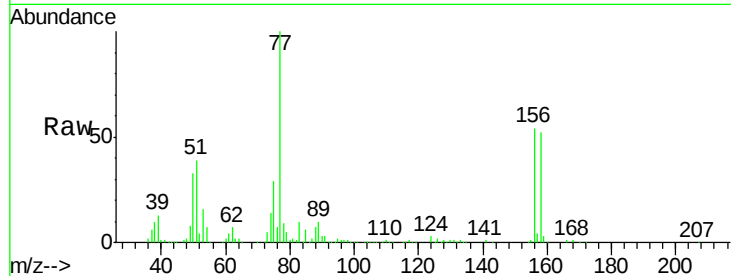
158 97.5 47.9 143.8

Manual Integrations

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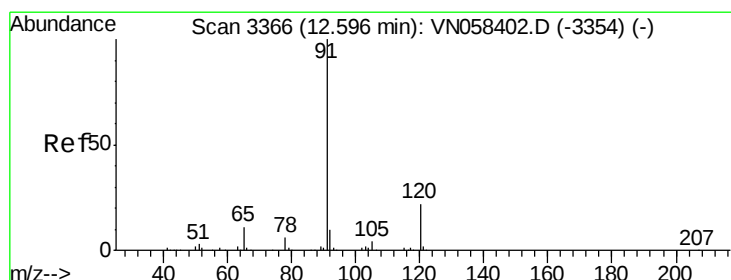
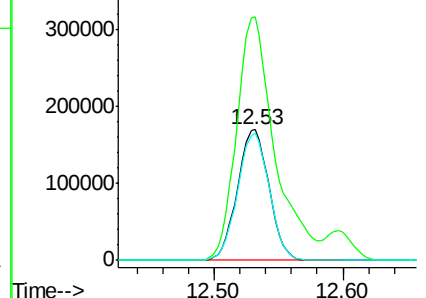
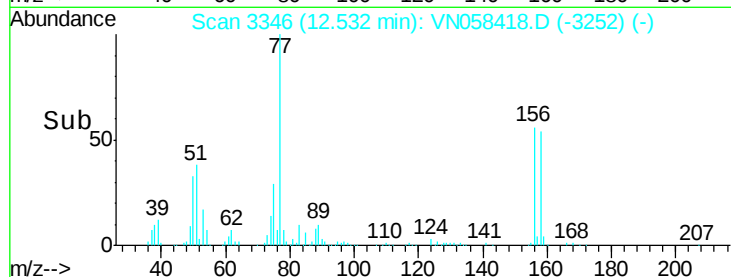
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.175 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058418.D

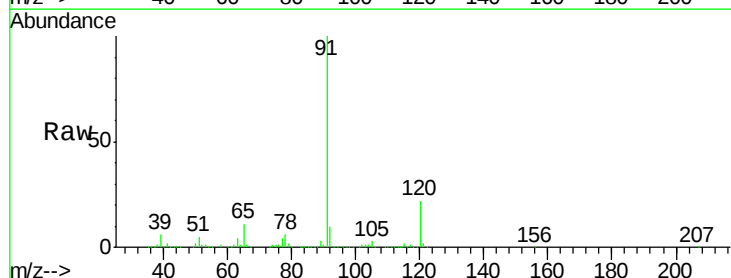
Acq: 27 Sep 2019 19:04

Tgt Ion: 91 Resp: 1483503

Ion Ratio Lower Upper

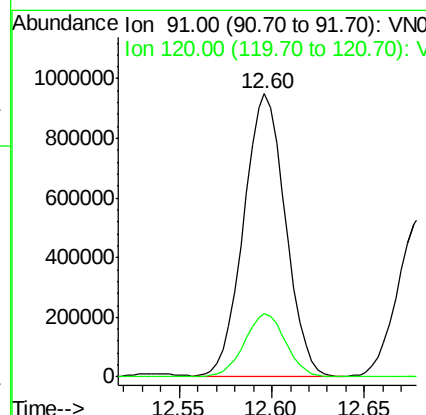
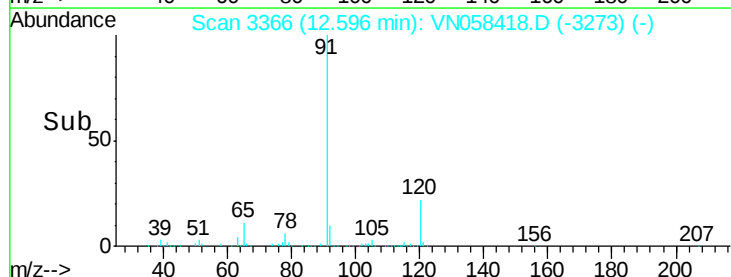
91 100

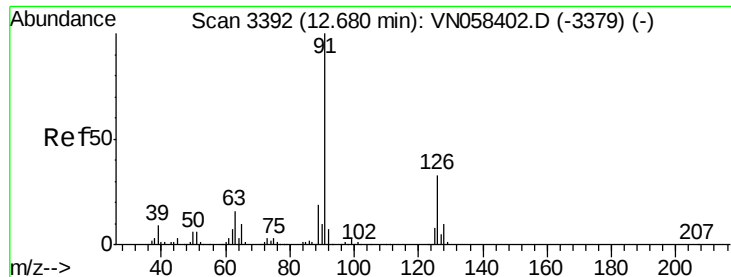
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.491 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 868557

Ion Ratio Lower Upper

91 100

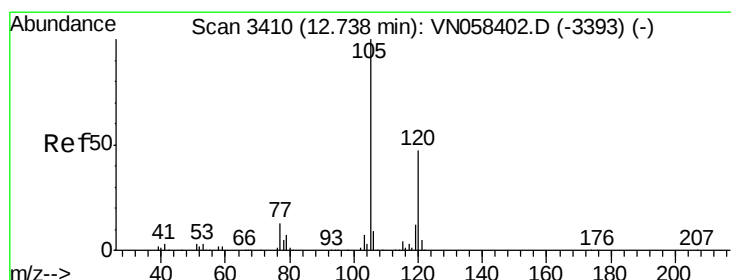
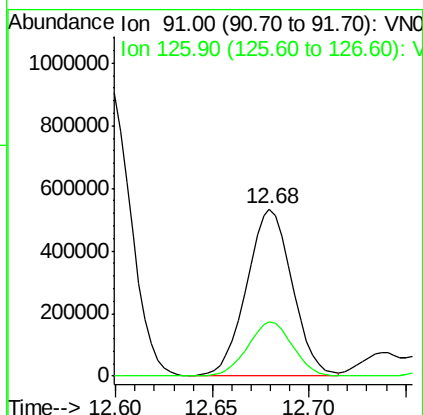
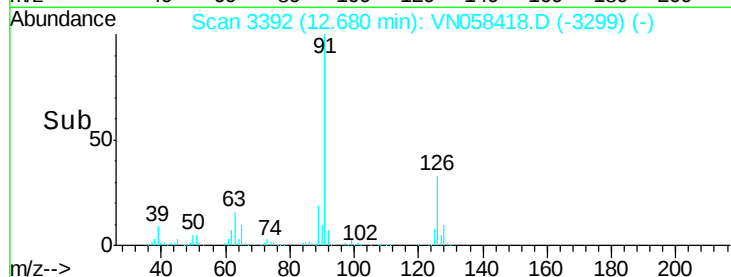
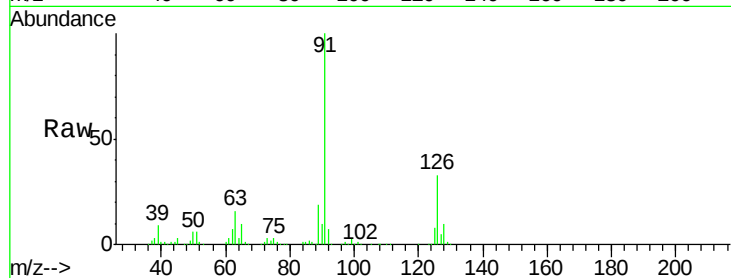
126 32.5 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 51.106 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058418.D

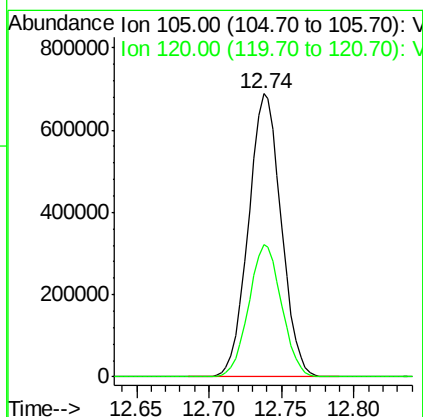
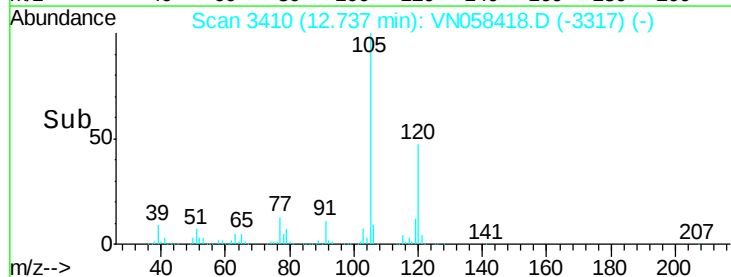
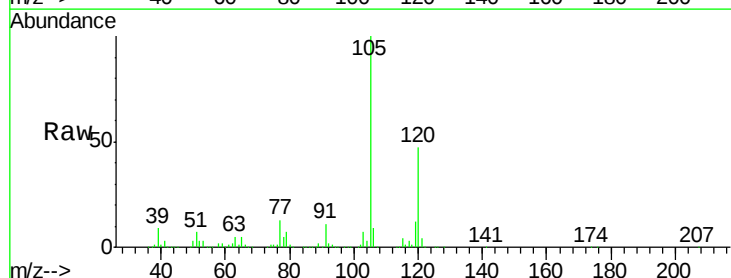
Acq: 27 Sep 2019 19:04

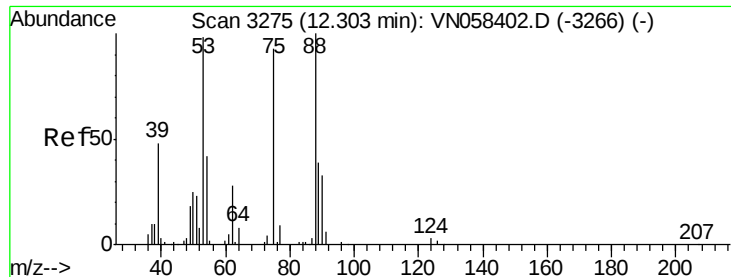
Tgt Ion: 105 Resp: 1079699

Ion Ratio Lower Upper

105 100

120 47.0 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.819 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

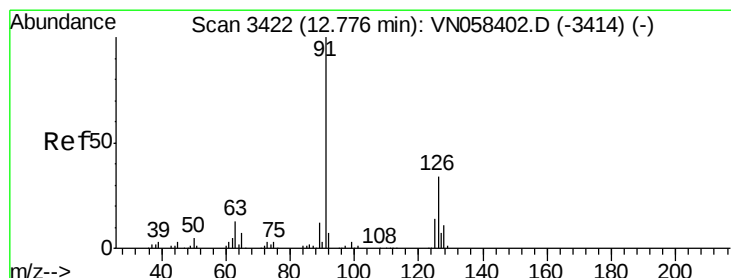
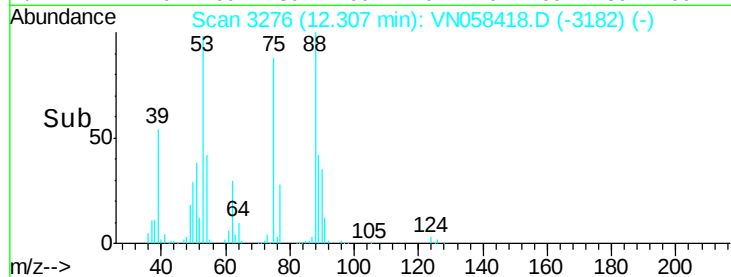
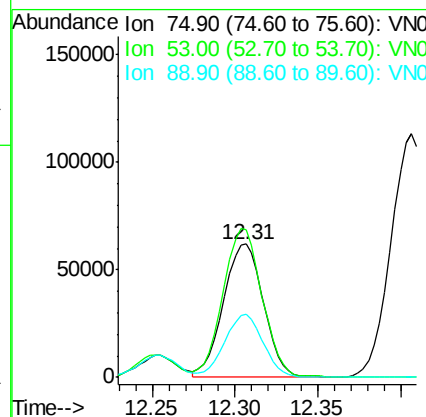
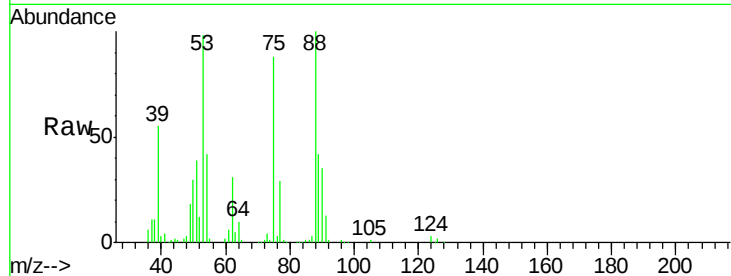
ClientSampled :

VSTDCCC050EC

Tot Ion:	75	Resp:	104371
Ion Ratio	Lower	Upper	
75	100		
53	109.4	85.4	128.0
89	44.9	35.0	52.4

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#82

4-Chlorotoluene

Concen: 50.540 ug/l

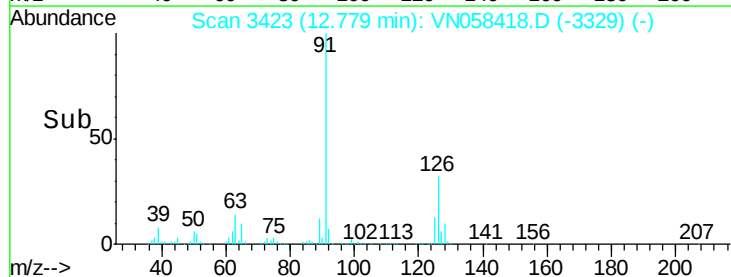
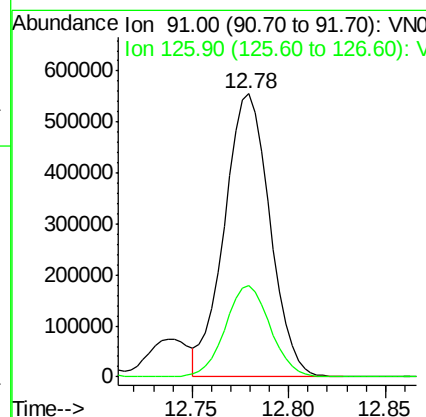
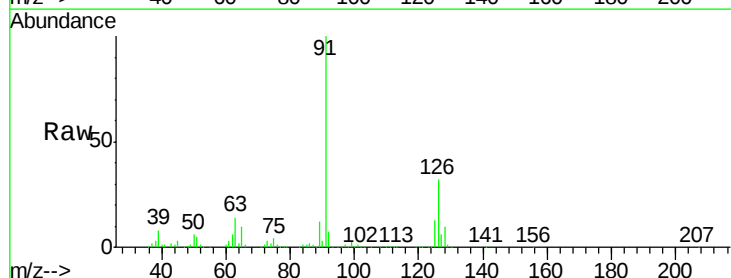
RT: 12.78 min Scan# 3423

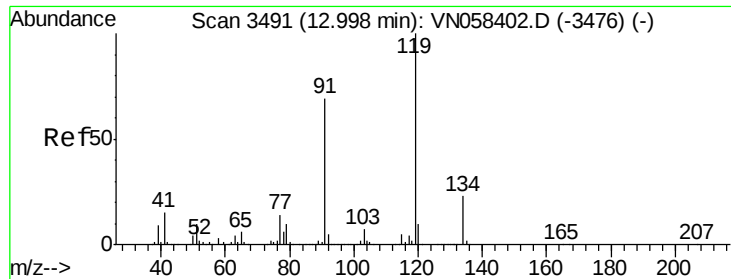
Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	91	Resp:	905070
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.9	47.7





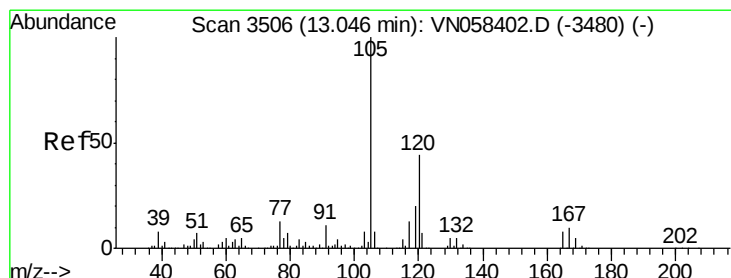
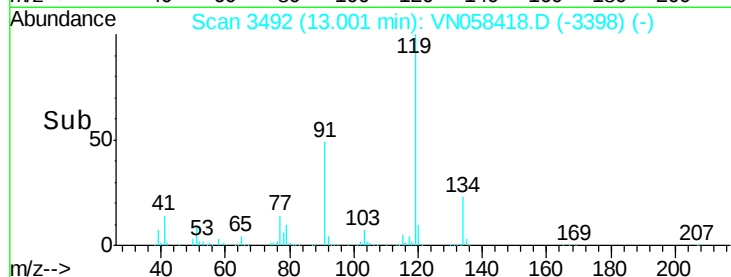
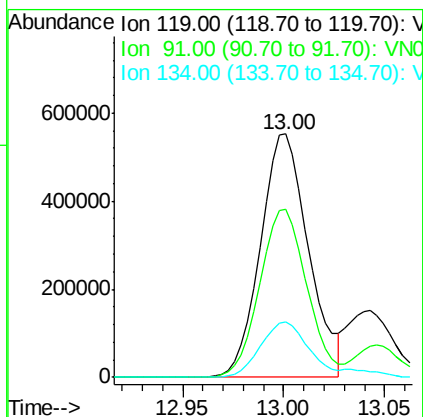
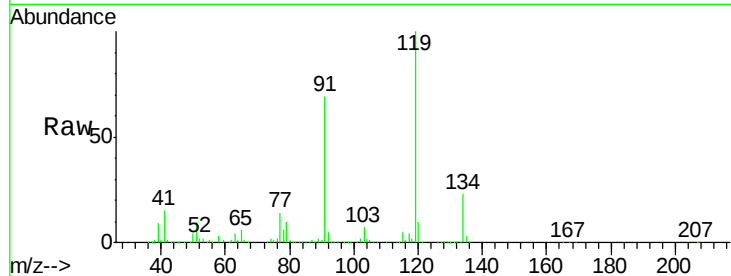
#83
tert-Butylbenzene
Concen: 51.489 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	34.2	102.6
134	25.0	11.6	34.8

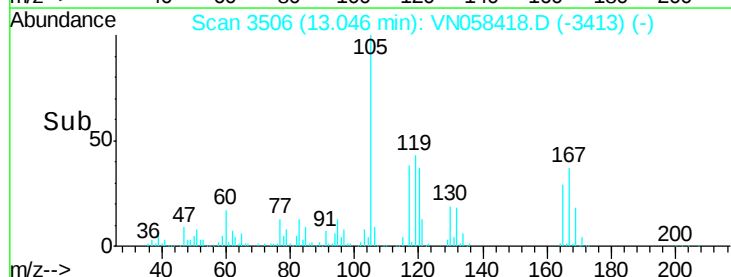
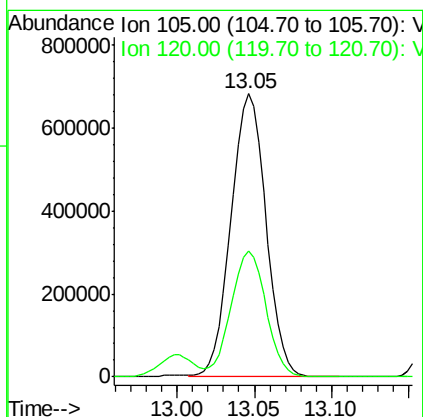
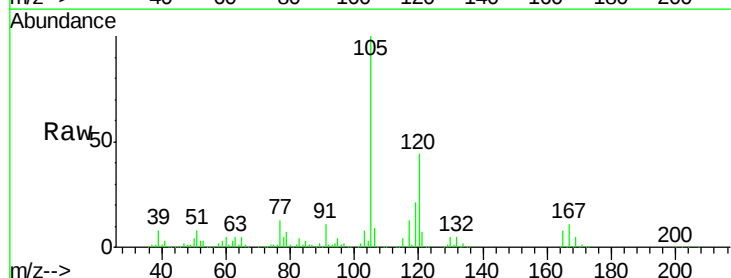
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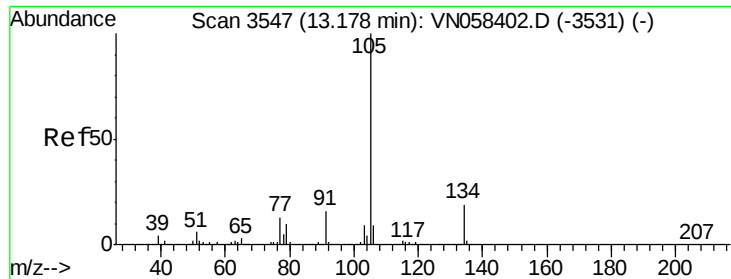
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.514 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.7	65.1





#85

sec-Butylbenzene

Concen: 52.506 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1231987

Ion Ratio Lower Upper

105 100

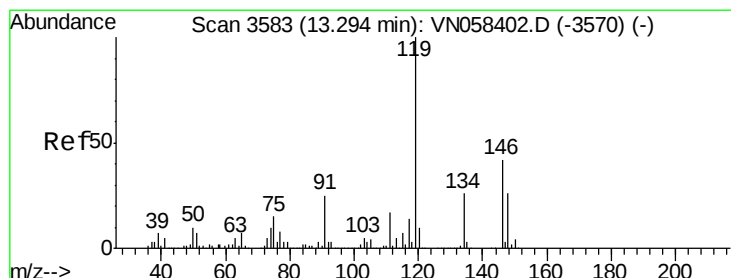
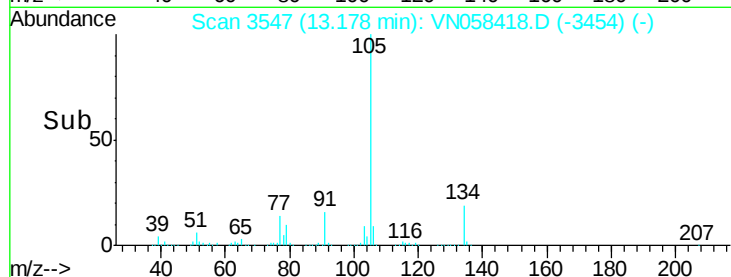
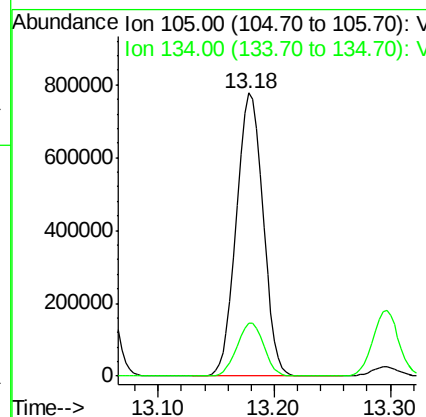
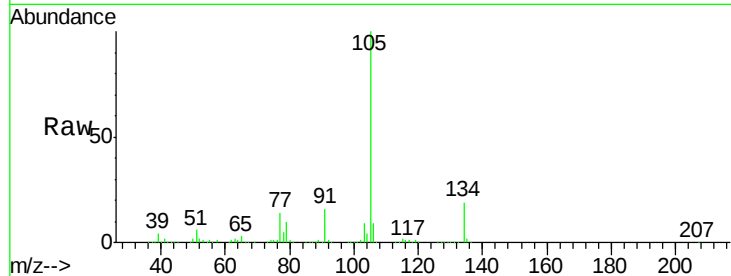
134 18.8 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.769 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

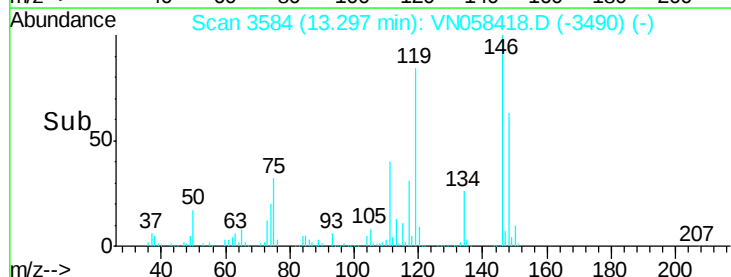
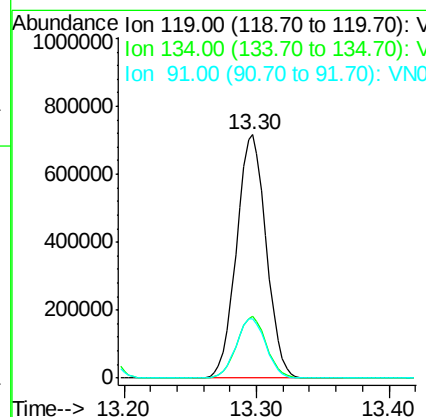
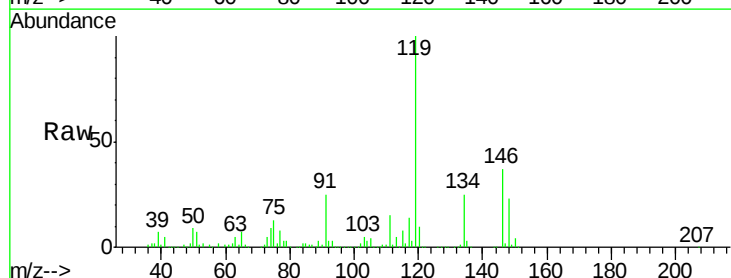
Tgt Ion:119 Resp: 1110553

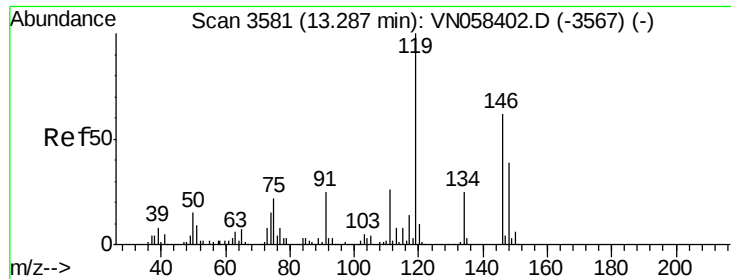
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.4 12.4 37.0





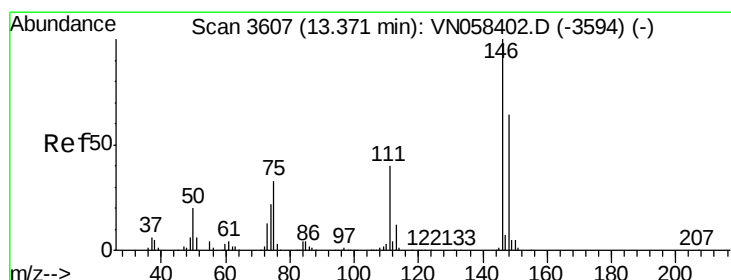
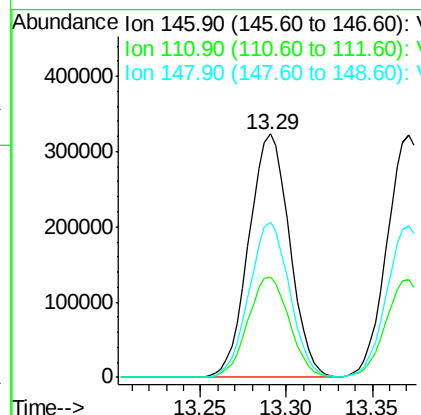
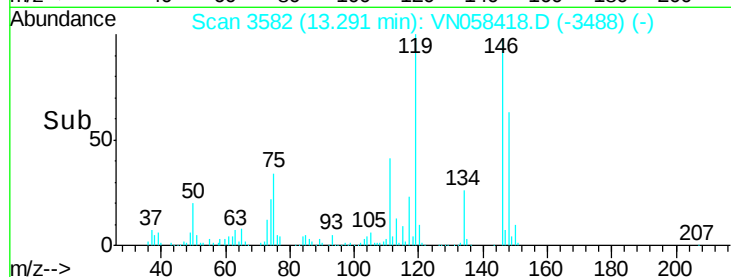
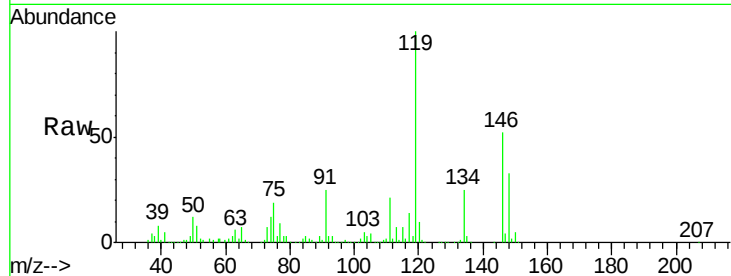
#87
 1,3-Dichlorobenzene
 Concen: 49.676 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	63.1	31.4	94.3

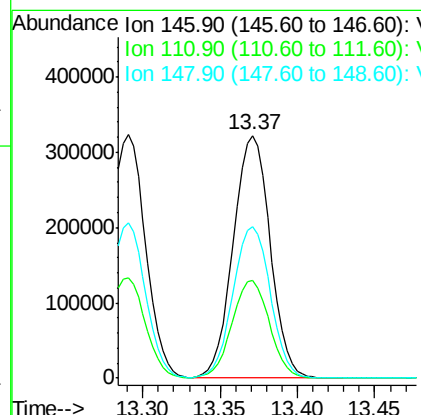
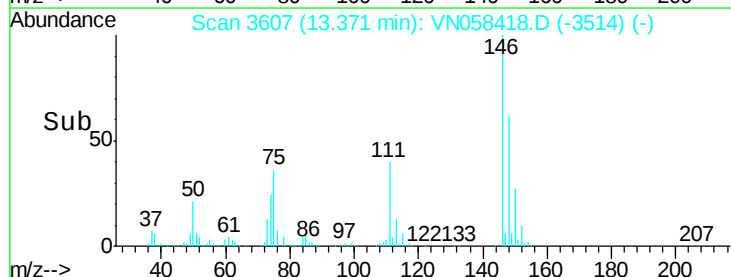
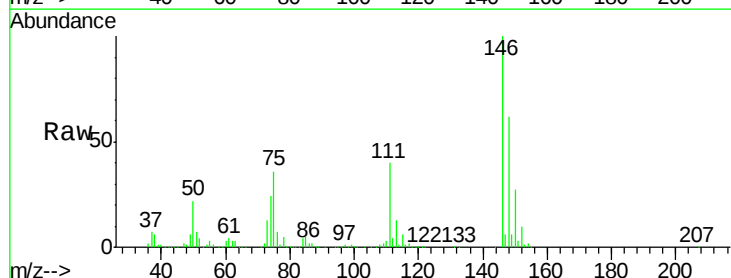
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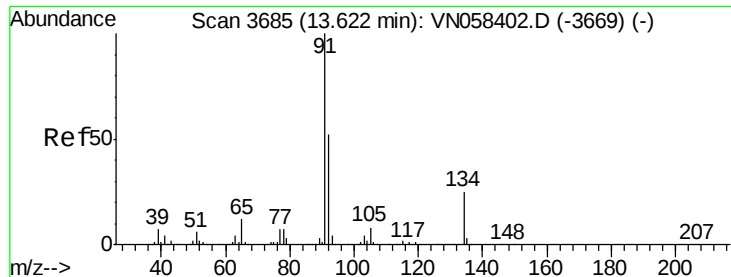
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.912 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	63.4	31.5	94.5





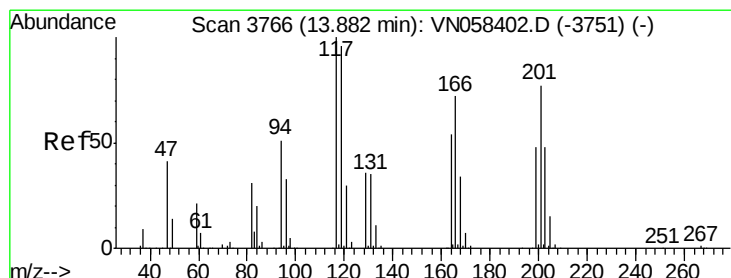
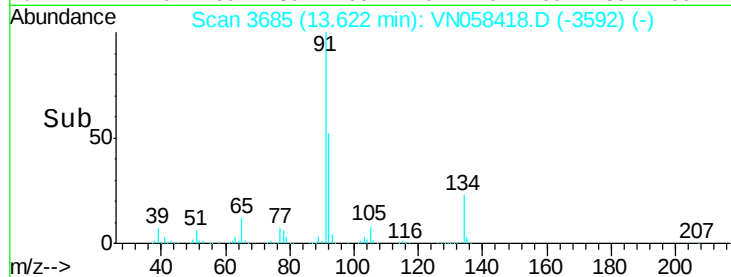
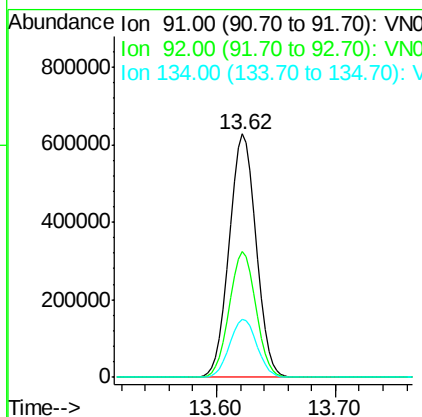
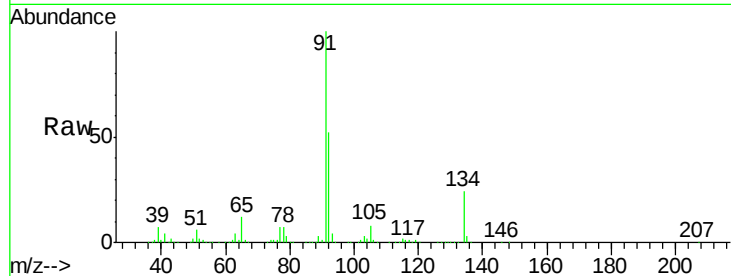
#89
n-Butylbenzene
Concen: 52.588 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.1
134	24.3	12.2	36.6

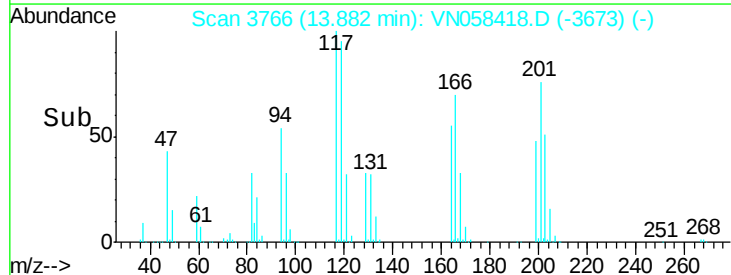
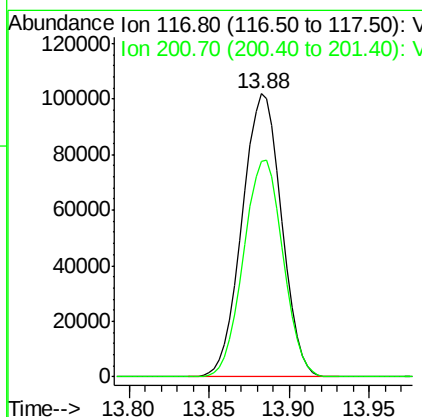
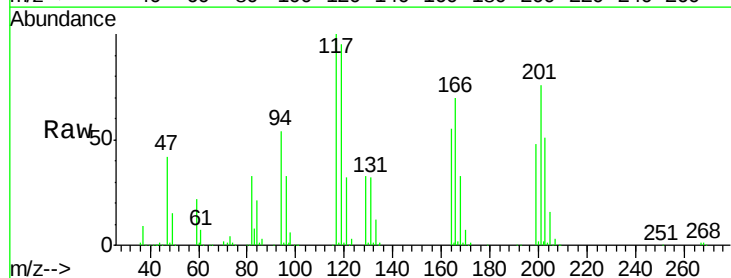
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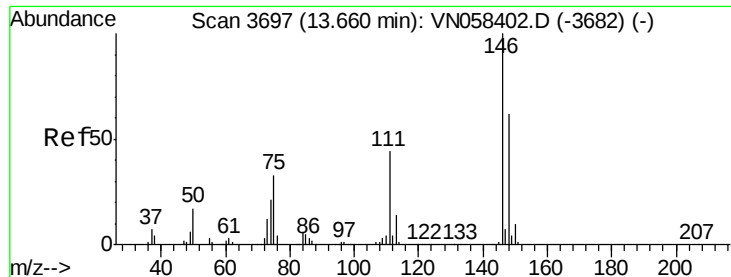
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#90
Hexachloroethane
Concen: 55.182 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058418.D
Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.6	116.0





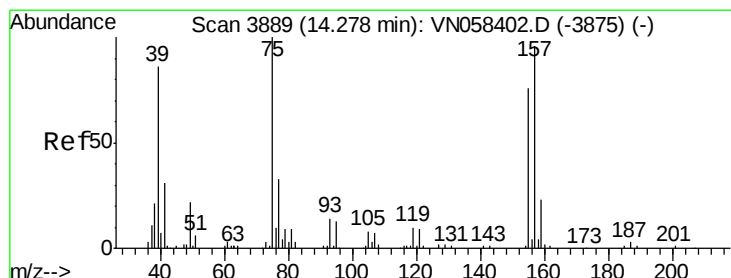
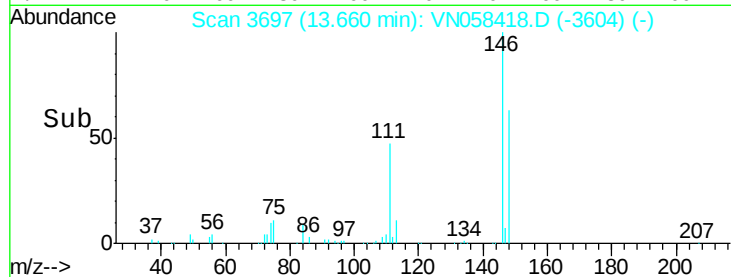
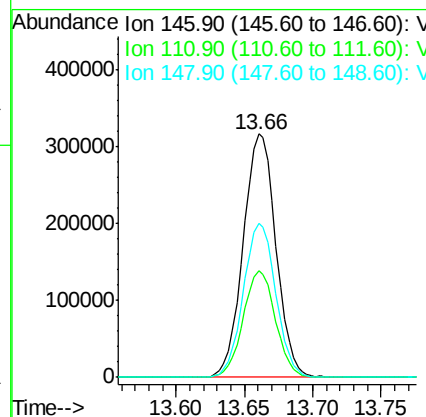
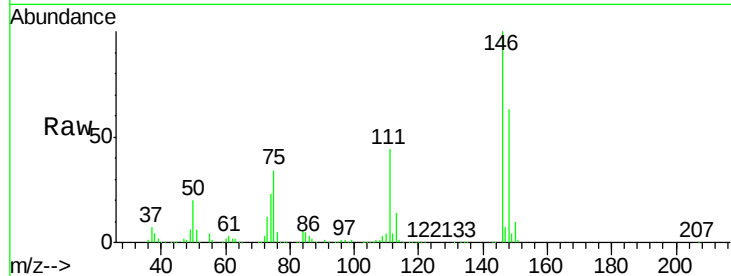
#91
 1,2-Dichlorobenzene
 Concen: 51.015 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	62.8	31.5	94.5

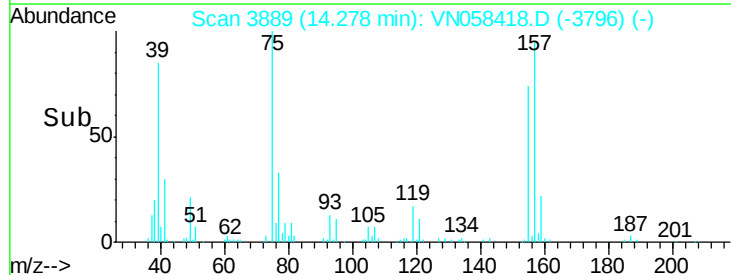
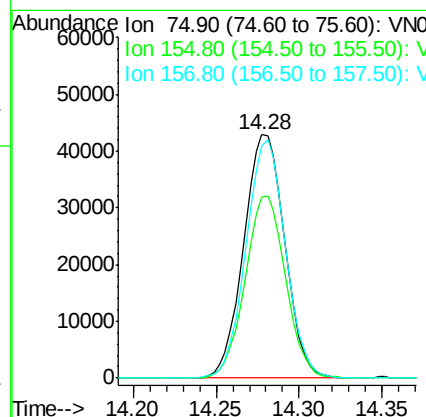
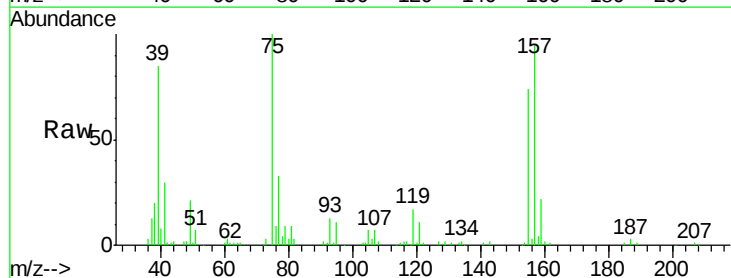
Manual Integrations
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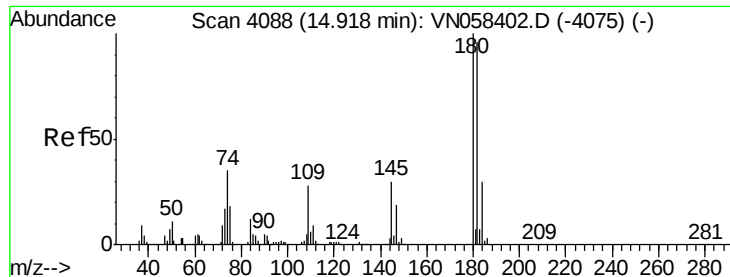
MMDadoda
 9/30/2019 10:19:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.234 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	39.2	117.6
157	94.1	48.7	146.1





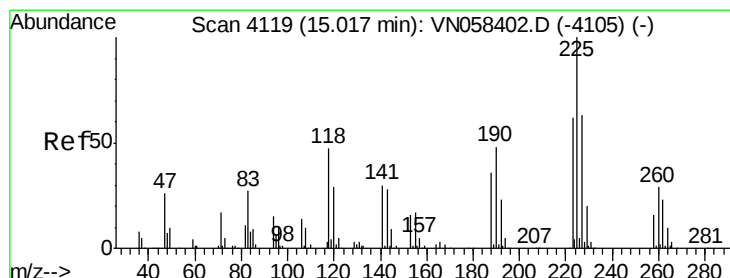
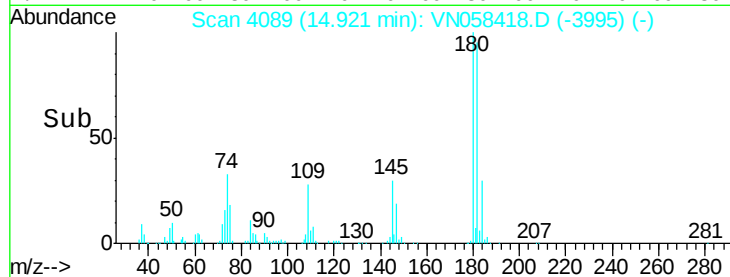
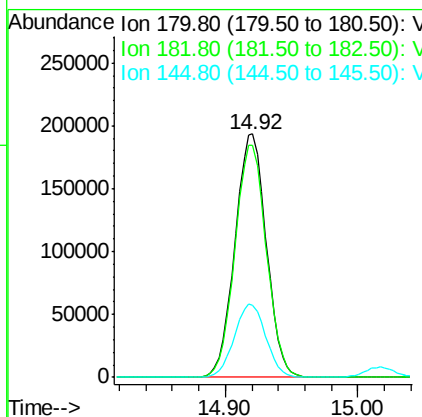
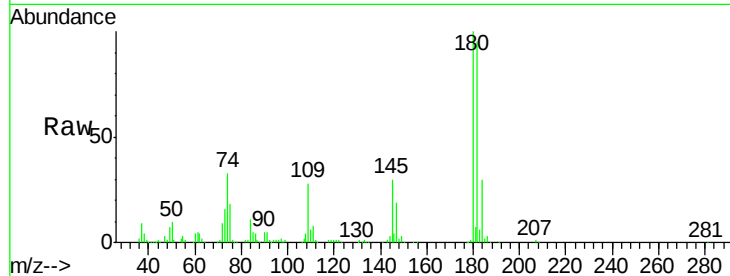
#93
 1,2,4-Trichlorobenzene
 Concen: 55.667 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	317152
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	30.3	15.3	45.9

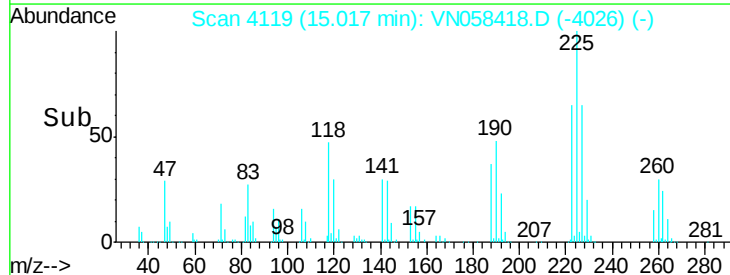
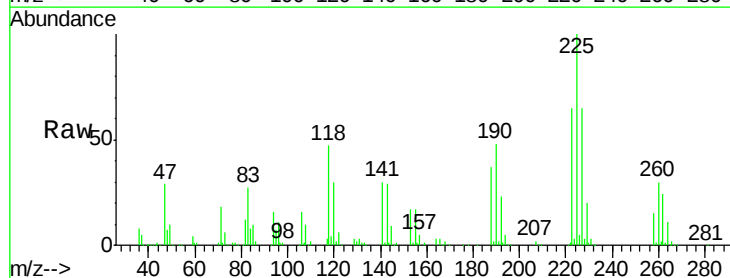
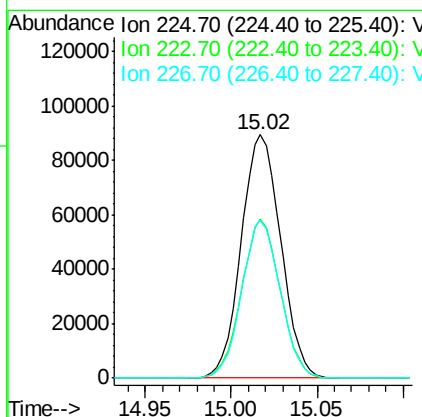
Manual Integrations
 APPROVED

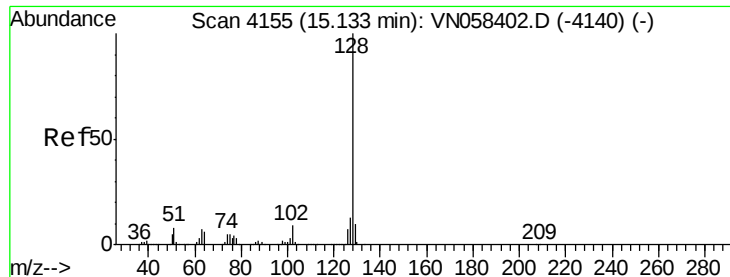
MMDadoda
 9/30/2019 10:19:04 AM



#94
 Hexachlorobutadiene
 Concen: 48.852 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058418.D
 Acq: 27 Sep 2019 19:04

Tgt Ion:	225	Resp:	143055
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.1	93.5
227	63.1	31.4	94.2





#95

Naphthalene

Concen: 52.560 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Instrument :

MSVOA_N

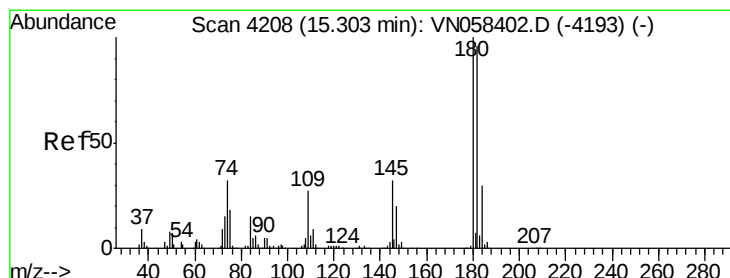
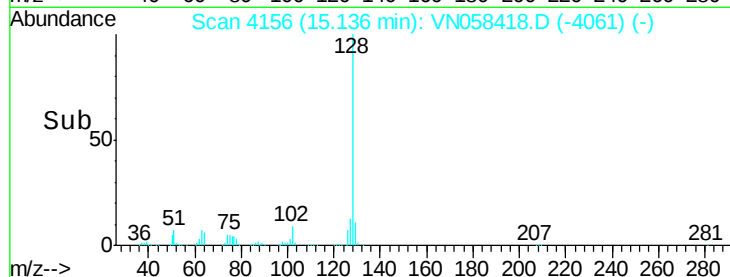
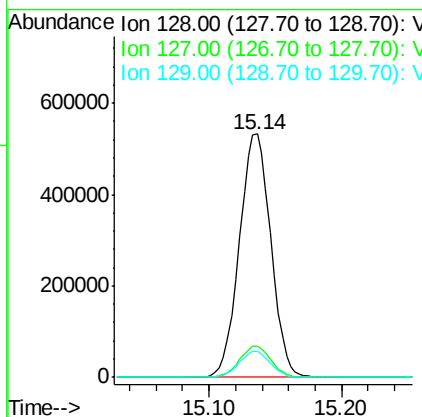
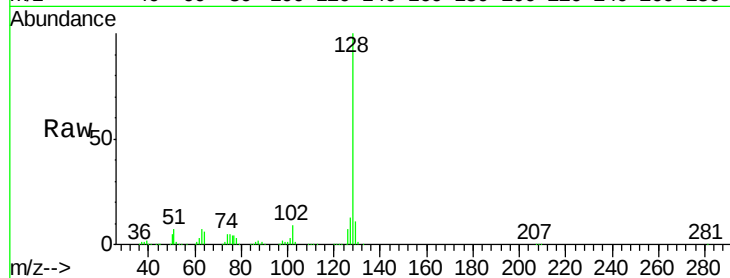
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	876919
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
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MMDadoda
9/30/2019 10:19:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.391 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058418.D

Acq: 27 Sep 2019 19:04

Tgt Ion:	180	Resp:	299247
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.9
145	32.5	16.1	48.3

