

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059645.D
 Acq On : 18 Dec 2019 11:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:26 AM

Quant Time: Dec 19 04:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	235884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	375567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	348449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	179283	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.56	113	124807	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.08	98	500655	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.40	95	181167	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	136329	44.726	ug/l	99
3) Chloromethane	2.04	50	231863	47.935	ug/l	99
4) Vinyl Chloride	2.17	62	215837	47.054	ug/l	98
5) Bromomethane	2.55	94	120131	45.050	ug/l	97
6) Chloroethane	2.68	64	125918	48.844	ug/l	99
7) Trichlorofluoromethane	3.00	101	258796	51.422	ug/l	100
8) Diethyl Ether	3.38	74	81134	51.596	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	126830	50.007	ug/l	99
10) Methyl Iodide	3.92	142	164825	49.090	ug/l	99
11) Tert butyl alcohol	4.74	59	158937	252.569	ug/l	99
12) 1,1-Dichloroethene	3.71	96	121966	49.297	ug/l	92
13) Acrolein	3.58	56	70130	156.450	ug/l	97
14) Allyl chloride	4.29	41	251450	49.508	ug/l	100
15) Acrylonitrile	4.95	53	407835	267.934	ug/l	99
16) Acetone	3.78	43	465460	228.404	ug/l	100
17) Carbon Disulfide	4.02	76	383127	45.119	ug/l	100
18) Methyl Acetate	4.29	43	214974	50.343	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	457207	52.338	ug/l	99
20) Methylene Chloride	4.52	84	146773	49.869	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	138957	50.381	ug/l	96
22) Diisopropyl ether	5.92	45	508884	54.347	ug/l	99
23) Vinyl Acetate	5.86	43	2213966	301.292	ug/l	99
24) 1,1-Dichloroethane	5.82	63	282708	53.300	ug/l	99
25) 2-Butanone	6.80	43	621027	254.842	ug/l	100
26) 2,2-Dichloropropane	6.79	77	254285	52.749	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	160829	52.623	ug/l	98
28) Bromochloromethane	7.17	49	68530	30.928	ug/l	98
29) Tetrahydrofuran	7.18	42	391235	263.498	ug/l	99
30) Chloroform	7.35	83	275215	52.713	ug/l	99
31) Cyclohexane	7.63	56	250417	49.966	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	241112	51.224	ug/l	100
36) 1,1-Dichloropropene	7.77	75	210014	53.621	ug/l	99
37) Ethyl Acetate	6.90	43	243680	53.531	ug/l	99
38) Carbon Tetrachloride	7.75	117	210304	51.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	241075	54.265	ug/l	100
40) Benzene	8.02	78	612047	53.473	ug/l	100
41) Methacrylonitrile	7.15	41	95704m	50.942	ug/l	
42) 1,2-Dichloroethane	8.10	62	236207	53.887	ug/l	100
43) Isopropyl Acetate	8.14	43	384209	54.287	ug/l	100
44) Trichloroethene	8.82	130	154859	51.653	ug/l	100
45) 1,2-Dichloropropane	9.10	63	166894	53.997	ug/l	100
46) Dibromomethane	9.19	93	107501	53.088	ug/l	100
47) Bromodichloromethane	9.39	83	220153	54.531	ug/l	99
48) Methyl methacrylate	9.18	41	174891	54.466	ug/l	98
49) 1,4-Dioxane	9.18	88	54116	1176.040	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1204864	285.533	ug/l	99
52) Toluene	10.14	92	372517	52.969	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	255216	54.660	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	271815	55.382	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	149000	53.992	ug/l	98
56) Ethyl methacrylate	10.42	69	232176	56.672	ug/l	98
57) 1,3-Dichloropropane	10.70	76	261217	54.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154468	118.552	ug/l	99
59) 2-Hexanone	10.74	43	927745	278.964	ug/l	100
60) Dibromochloromethane	10.89	129	166541	55.293	ug/l	100
61) 1,2-Dibromoethane	11.00	107	155732	53.210	ug/l	99
64) Tetrachloroethene	10.62	164	145017	44.645	ug/l	99
65) Chlorobenzene	11.43	112	391118	51.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	149473	52.194	ug/l	100
67) Ethyl Benzene	11.50	91	729878	53.631	ug/l	99
68) m/p-Xylenes	11.62	106	537311	106.918	ug/l	100
69) o-Xylene	11.94	106	254466	53.216	ug/l	100
70) Styrene	11.96	104	416832	54.255	ug/l	98
71) Bromoform	12.12	173	118490	55.042	ug/l #	99
73) Isopropylbenzene	12.25	105	691272	51.787	ug/l	100
74) N-amyl acetate	12.07	43	332387	54.285	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	220669	52.115	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222307m	52.811	ug/l	
77) Bromobenzene	12.52	156	165011	50.267	ug/l	98
78) n-propylbenzene	12.59	91	837424	53.072	ug/l	100
79) 2-Chlorotoluene	12.67	91	492518	51.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	590069	52.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89836	52.711	ug/l	100
82) 4-Chlorotoluene	12.77	91	511735	52.383	ug/l	99
83) tert-Butylbenzene	12.99	119	487632	50.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	597499	53.195	ug/l	100
85) sec-Butylbenzene	13.17	105	671285	52.753	ug/l	100
86) p-Isopropyltoluene	13.28	119	614428	53.312	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301168	49.893	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	298727	49.085	ug/l	99
89) n-Butylbenzene	13.61	91	570821	52.828	ug/l	99
90) Hexachloroethane	13.87	117	113240	51.981	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	295243	49.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	51568	44.865	ug/l	99

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ClientSampleId :
VSTDCCC050

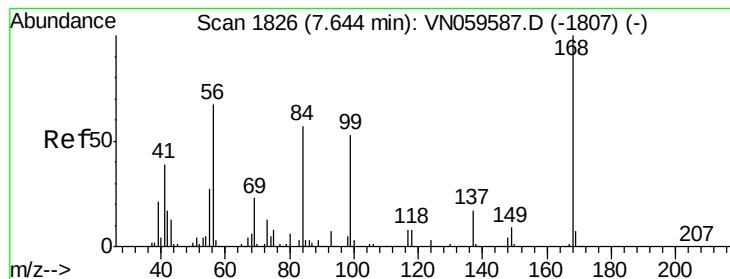
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	183116	47.636	ug/l	99
94) Hexachlorobutadiene	15.00	225	95605	47.628	ug/l	99
95) Naphthalene	15.12	128	529082	46.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	176535	45.406	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 235884

Ion Ratio Lower Upper

168 100

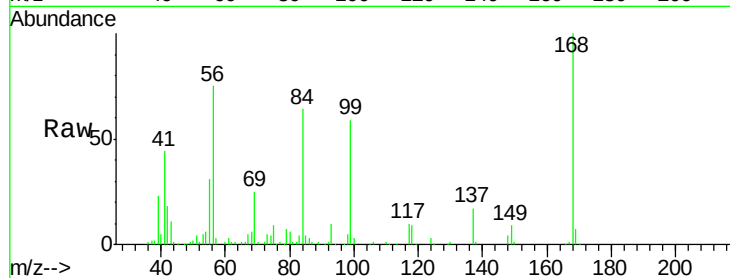
99 58.6 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

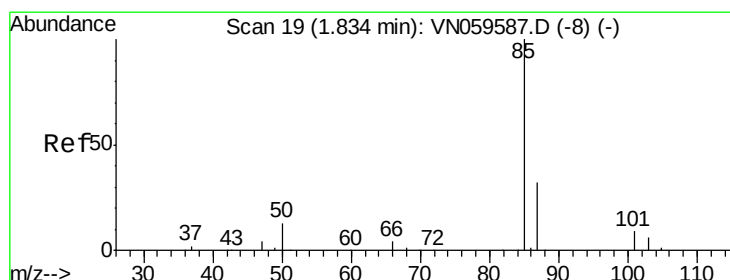
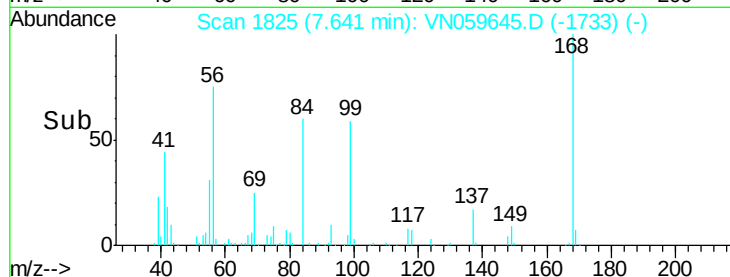
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 44.726 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059645.D

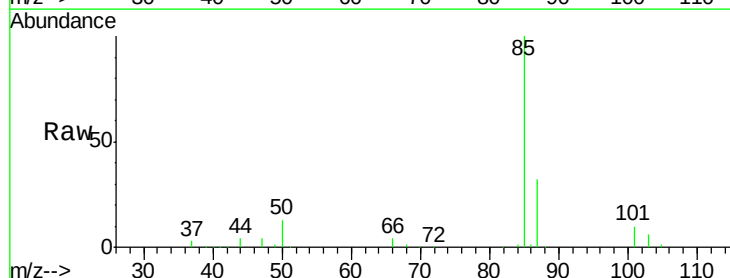
Acq: 18 Dec 2019 11:53

Tgt Ion: 85 Resp: 136329

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

120000

100000

80000

60000

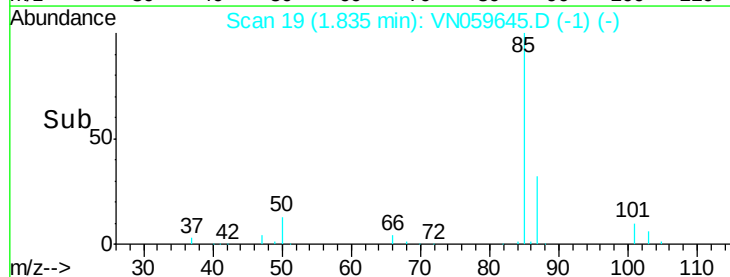
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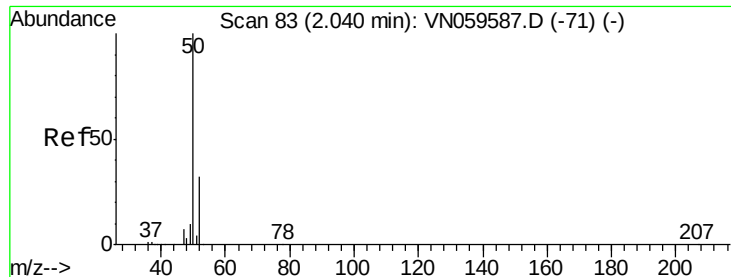
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.935 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tot Ion: 50 Resp: 231863

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

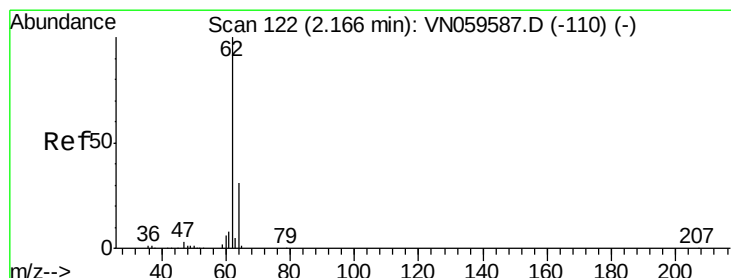
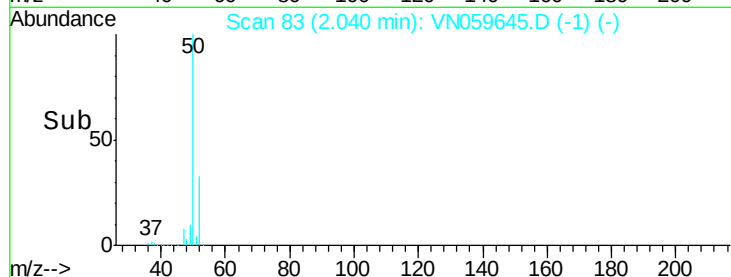
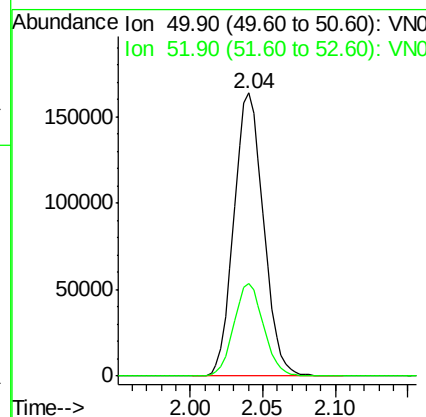
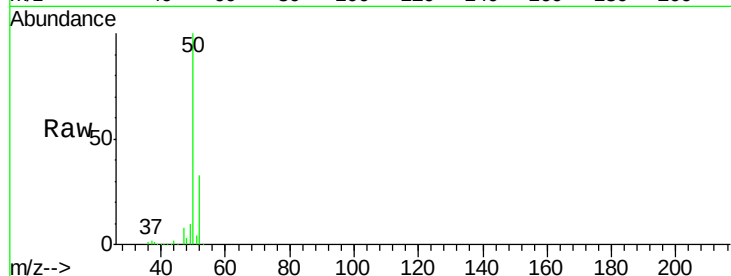
VSTDCCC050

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#4

Vinyl Chloride

Concen: 47.054 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059645.D

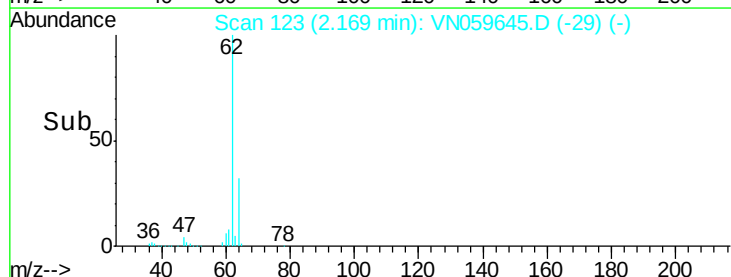
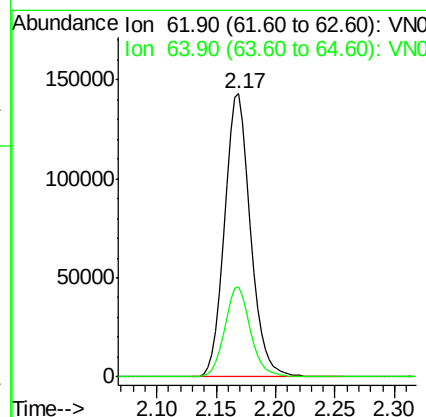
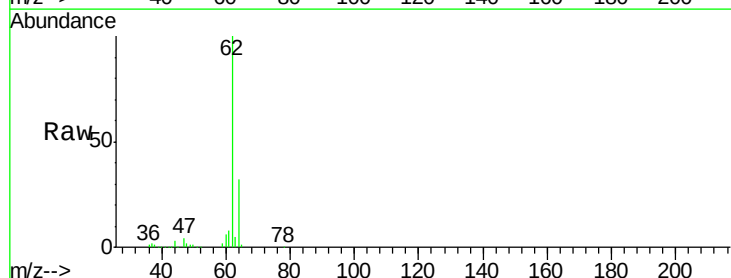
Acq: 18 Dec 2019 11:53

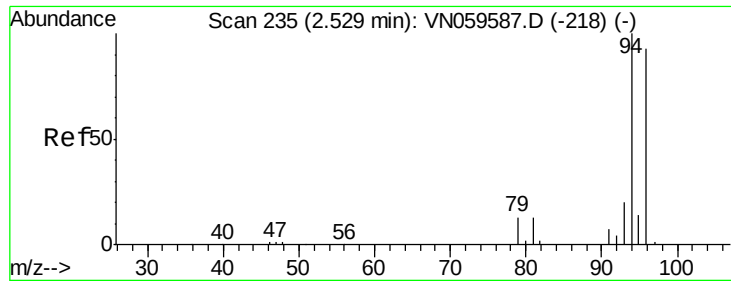
Tgt Ion: 62 Resp: 215837

Ion Ratio Lower Upper

62 100

64 32.0 24.6 37.0





#5

Bromomethane

Concen: 45.050 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tot Ion: 94 Resp: 120131

Ion Ratio Lower Upper

94 100

96 95.9 74.7 112.1

Instrument :

MSVOA_N

ClientSampleId :

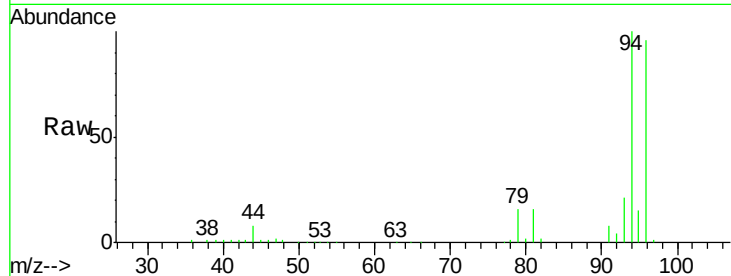
VSTDCCC050

Manual Integrations

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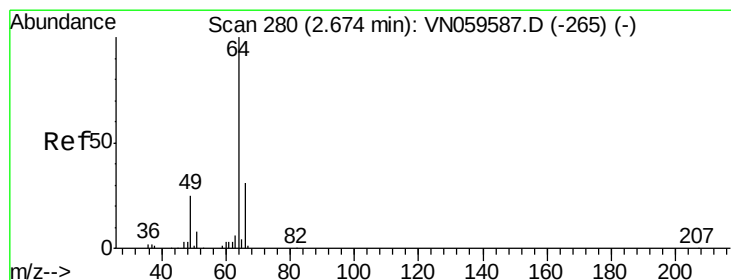
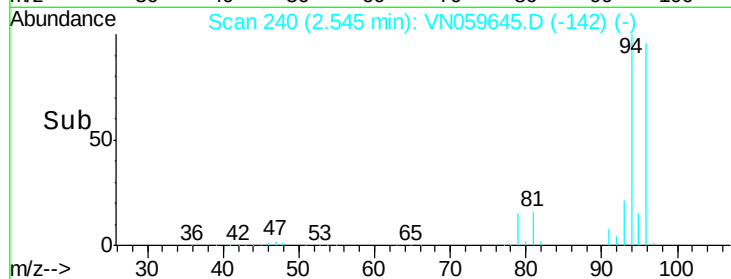
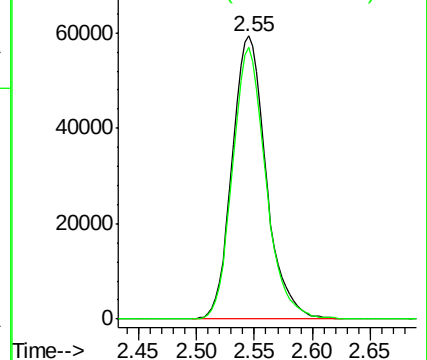
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.844 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059645.D

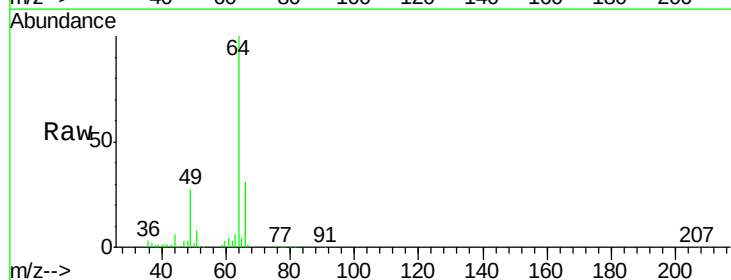
Acq: 18 Dec 2019 11:53

Tgt Ion: 64 Resp: 125918

Ion Ratio Lower Upper

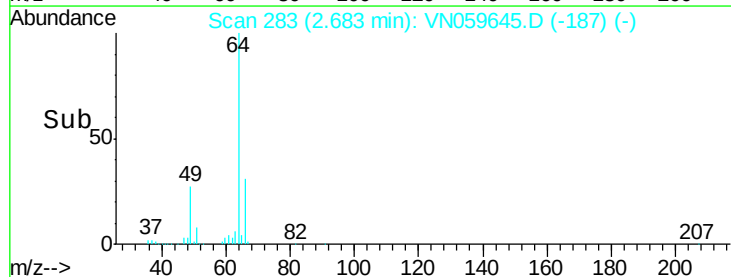
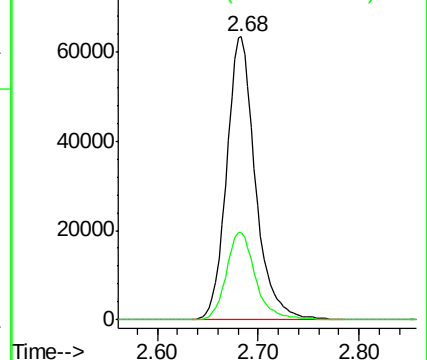
64 100

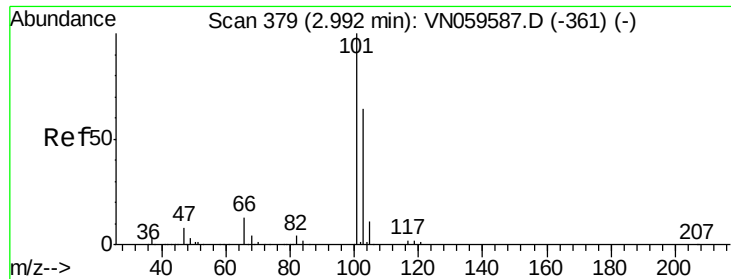
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

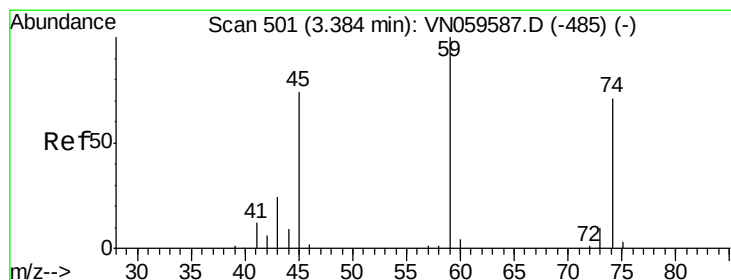
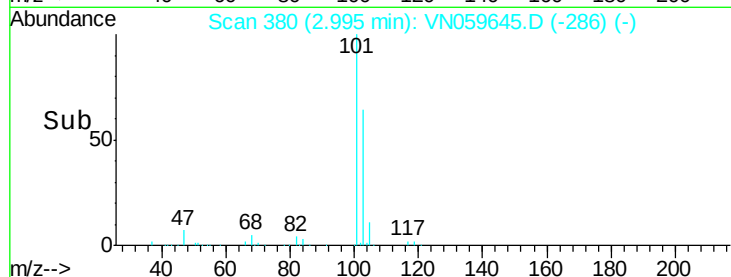
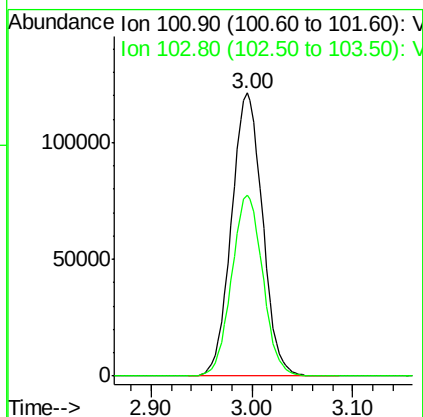
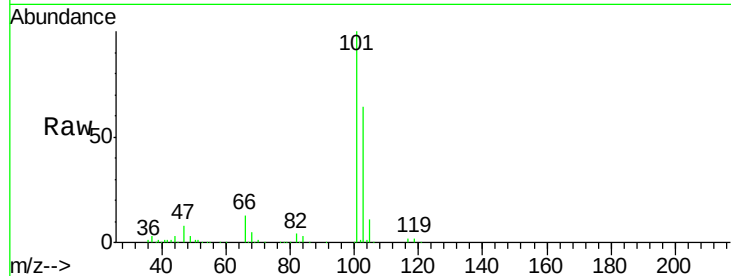
Trichlorofluoromethane
Concen: 51.422 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	258796		
103	64.1	51.0	76.6	

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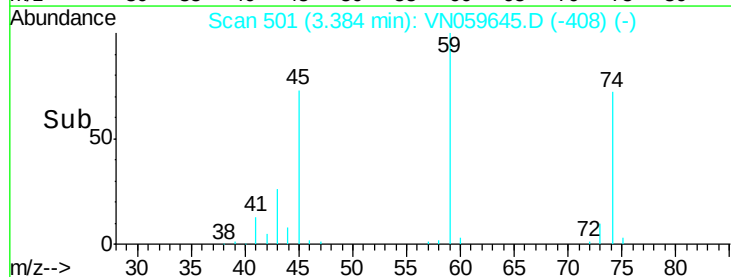
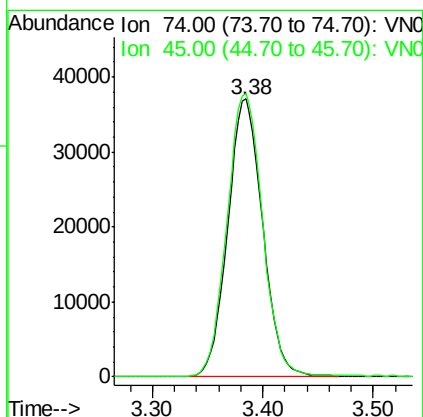
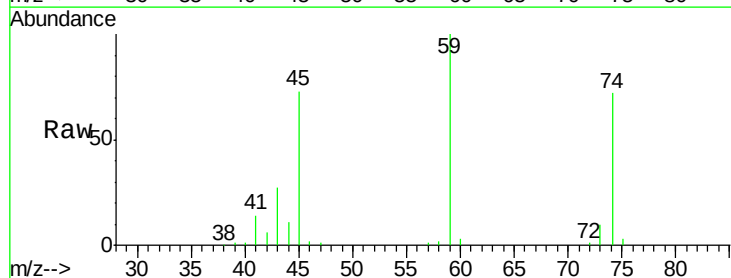
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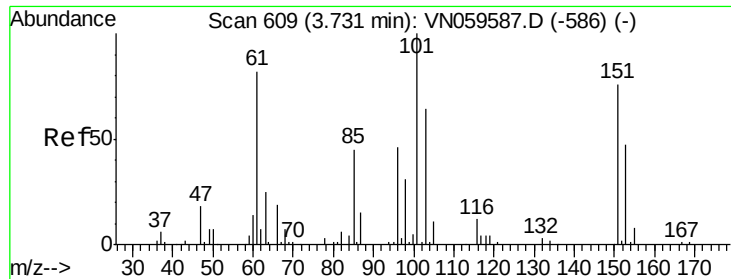


#8

Diethyl Ether
Concen: 51.596 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	81134		
45	104.6	51.9	155.8	





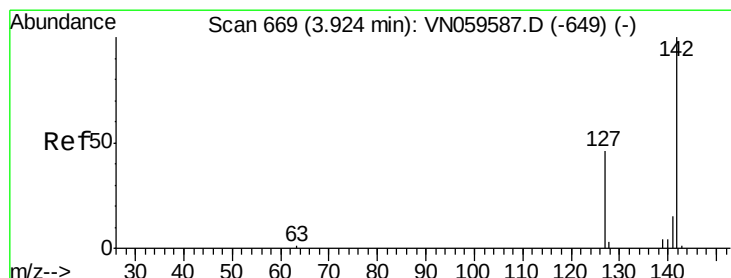
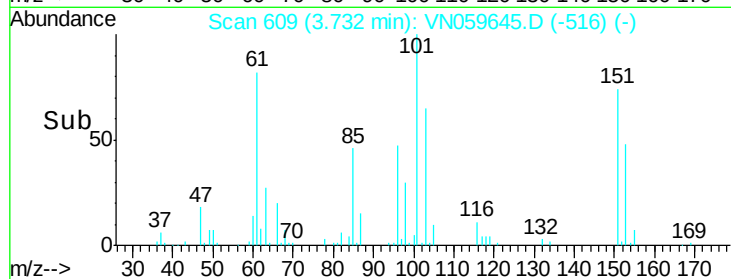
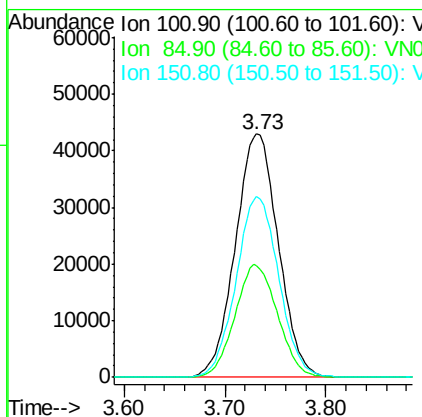
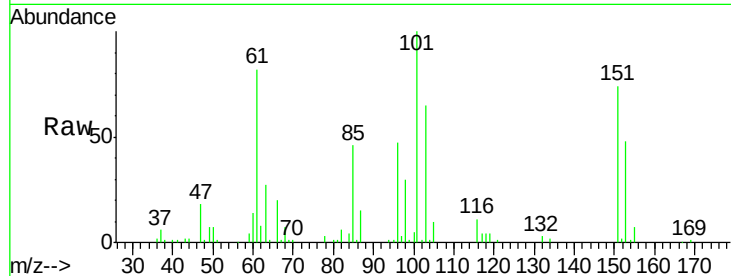
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.007 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.6	54.8
151	73.8	59.7	89.5

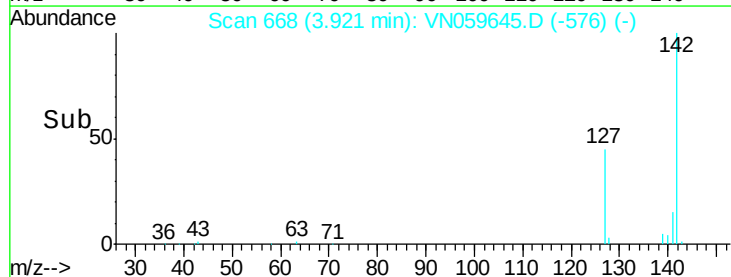
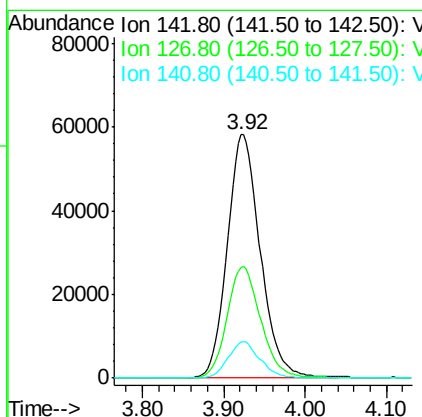
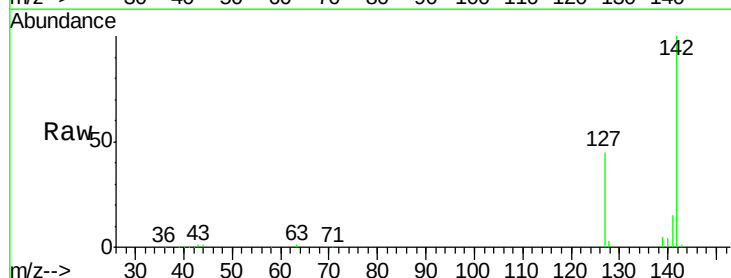
Manual Integrations
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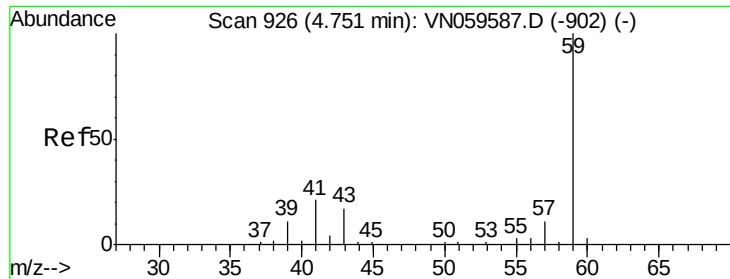
MMDadoda
12/19/2019 11:11:26 AM



#10
Methyl Iodide
Concen: 49.090 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.7	55.1
141	14.5	11.7	17.5





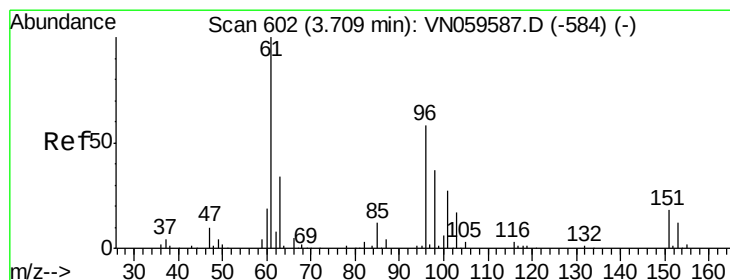
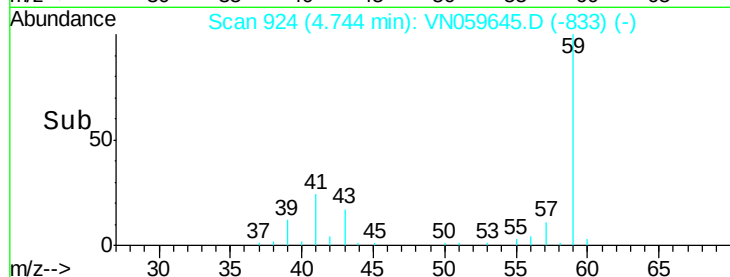
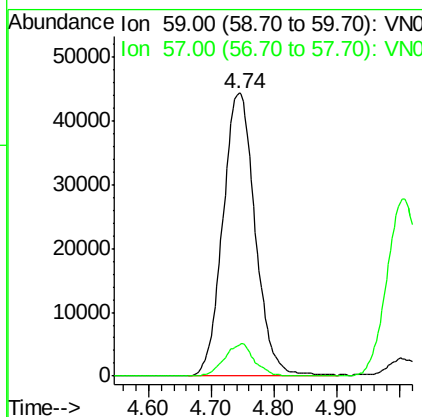
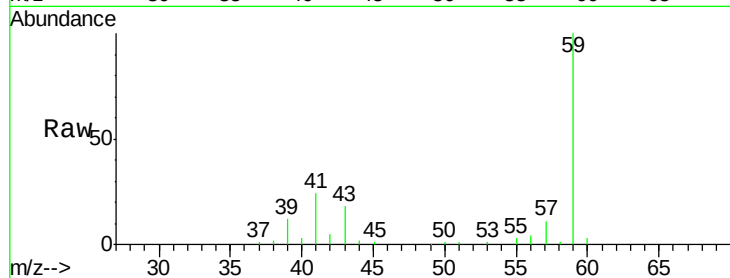
#11
Tert butyl alcohol
Concen: 252.569 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

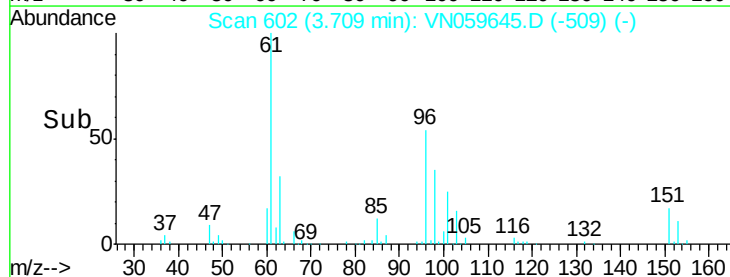
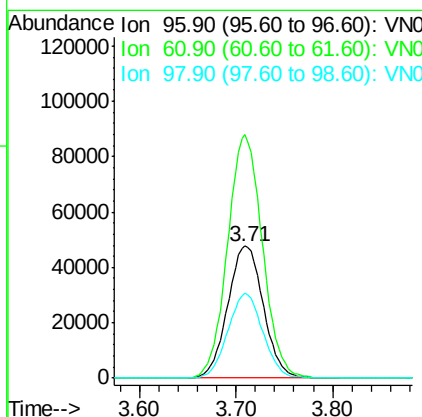
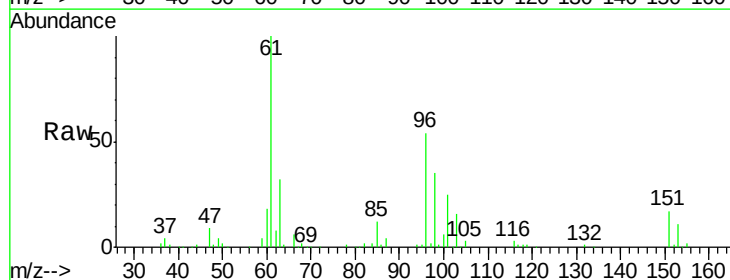
Manual Integrations
APPROVED

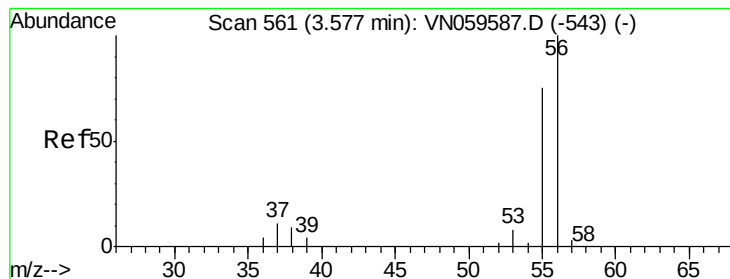
MMDadoda
12/19/2019 11:11:26 AM



#12
1,1-Dichloroethene
Concen: 49.297 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.9	137.5	206.3
98	64.7	50.2	75.4





#13

Acrolein

Concen: 156.450 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 70130

Ion Ratio Lower Upper

56 100

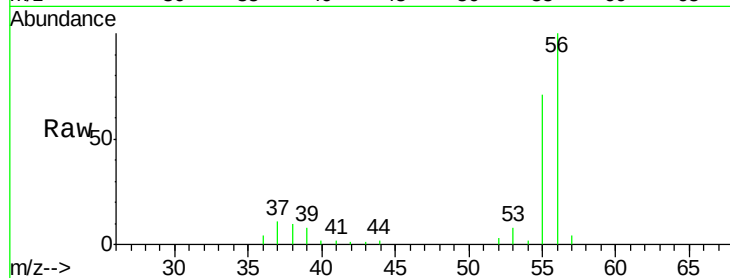
55 71.1 58.6 88.0

Manual Integrations

APPROVED

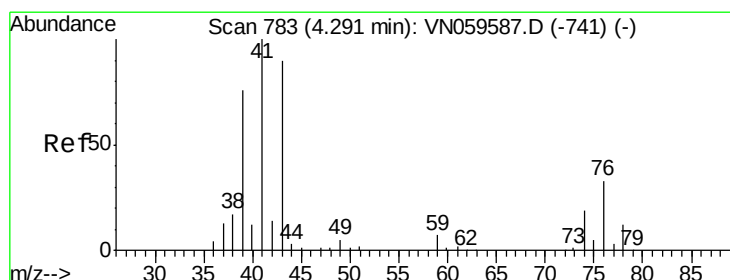
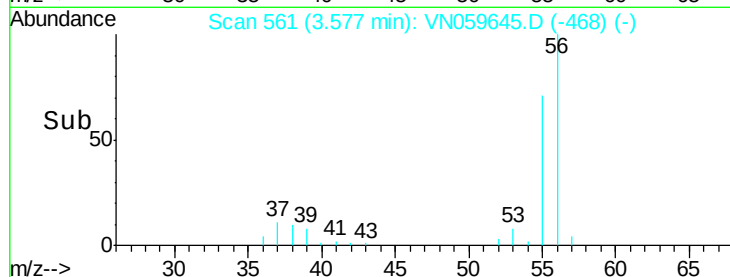
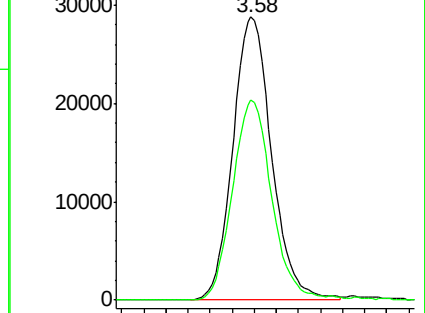
MMDadoda

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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: 49.508 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

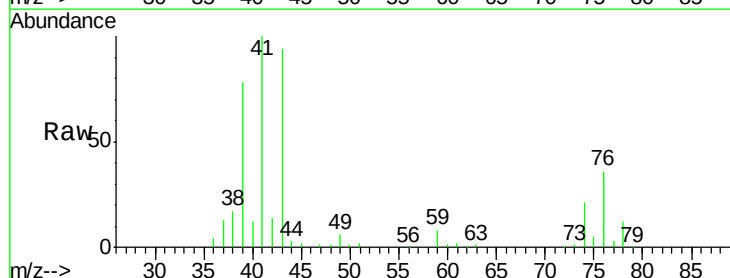
Tgt Ion: 41 Resp: 251450

Ion Ratio Lower Upper

41 100

39 72.3 57.8 86.8

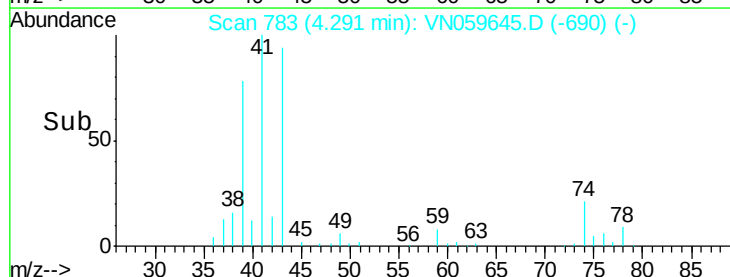
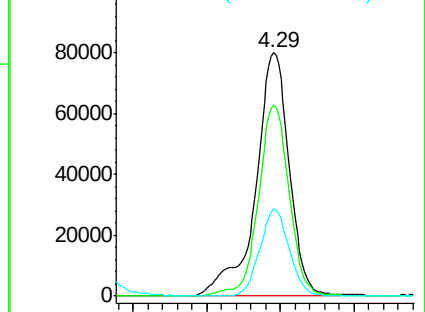
76 31.4 25.4 38.0

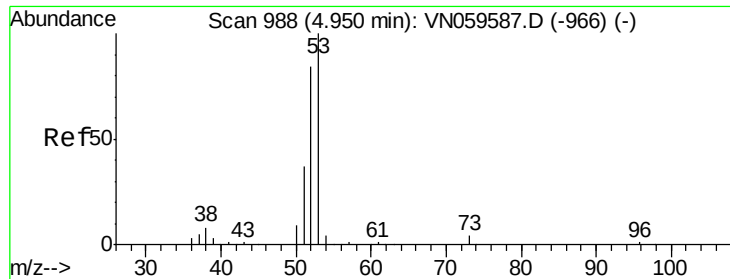


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 267.934 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

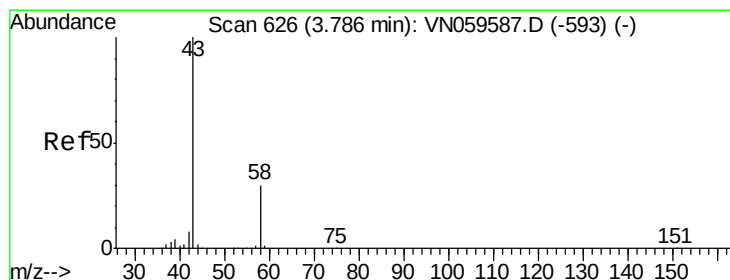
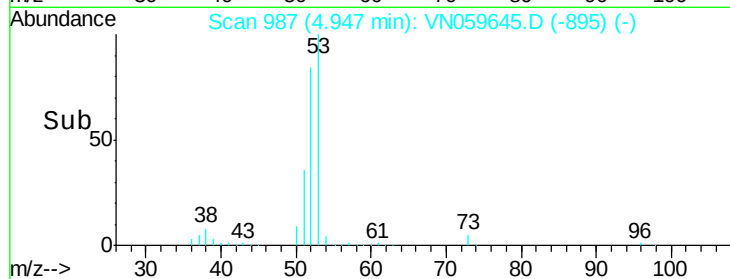
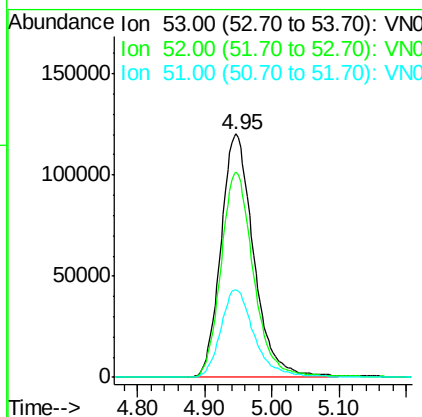
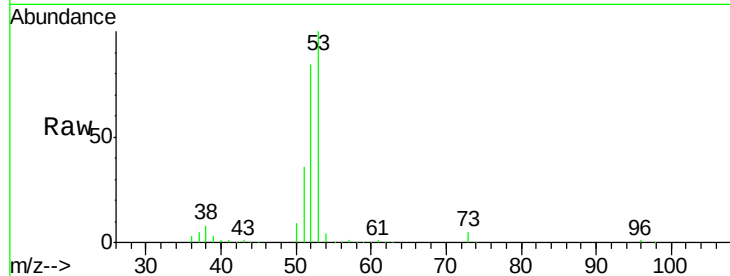
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	407835
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.3	99.5
51	37.0	29.7	44.5

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#16

Acetone

Concen: 228.404 ug/l

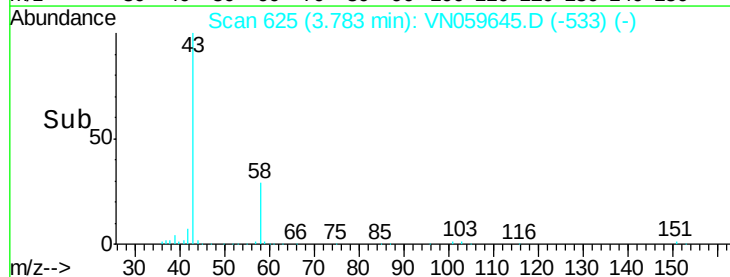
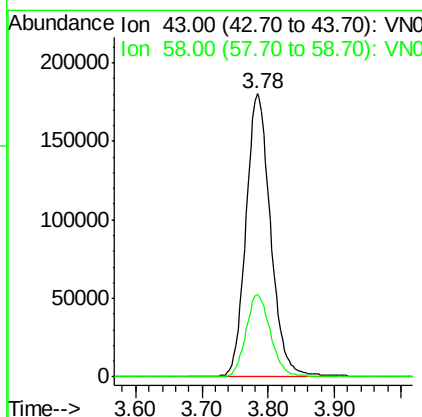
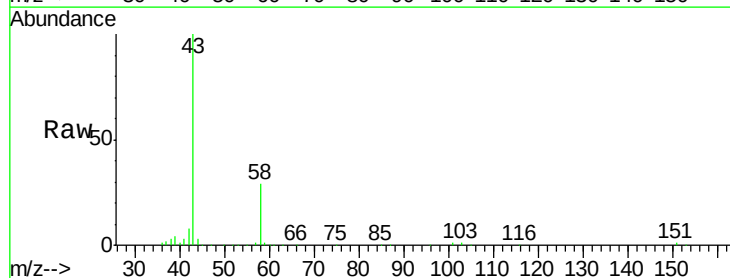
RT: 3.78 min Scan# 625

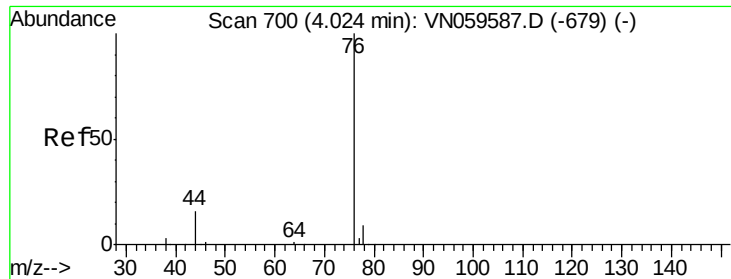
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	43	Resp:	465460
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.6	35.4





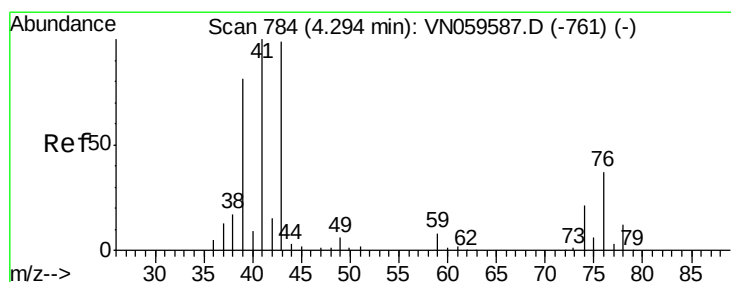
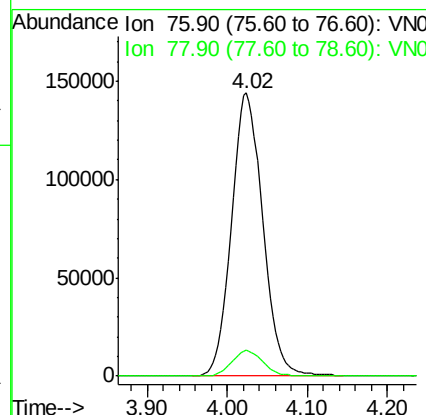
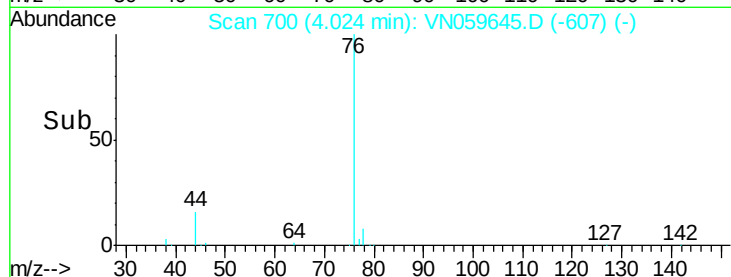
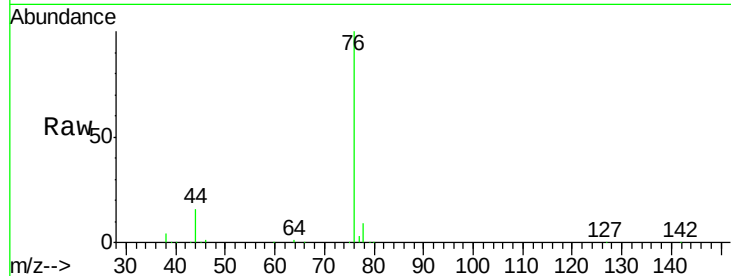
#17
Carbon Disulfide
Concen: 45.119 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

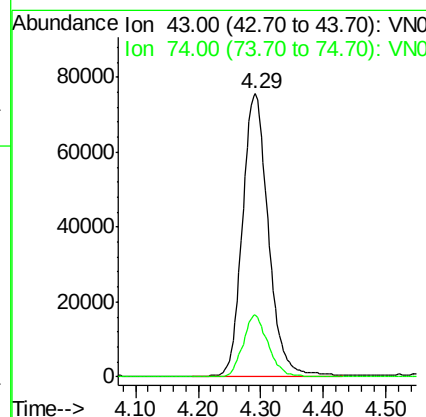
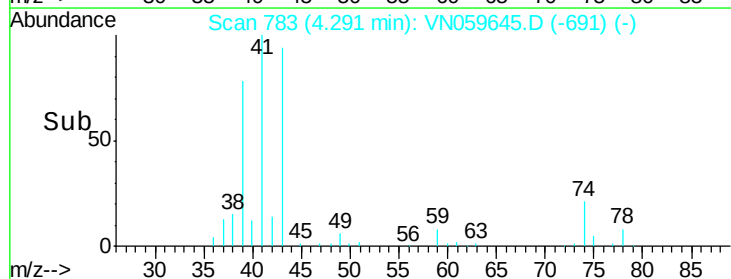
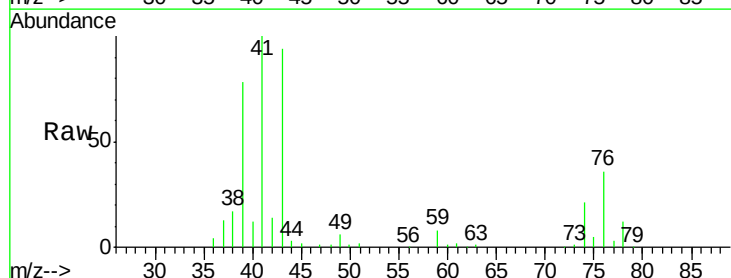
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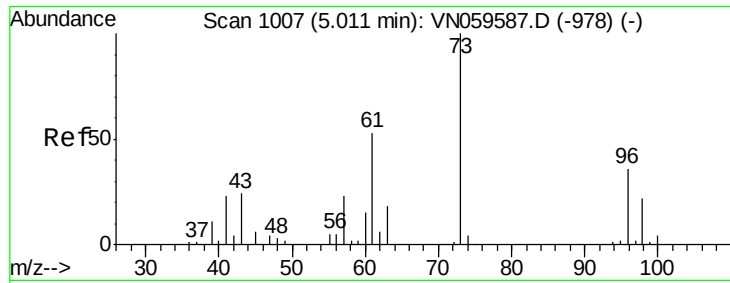
MMDadoda
12/19/2019 11:11:26 AM



#18
Methyl Acetate
Concen: 50.343 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3





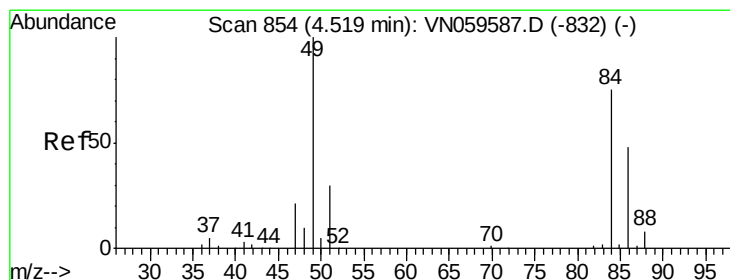
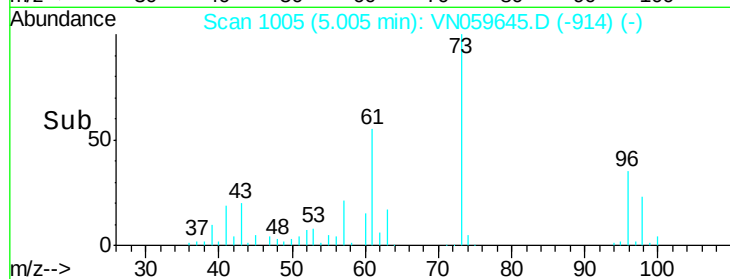
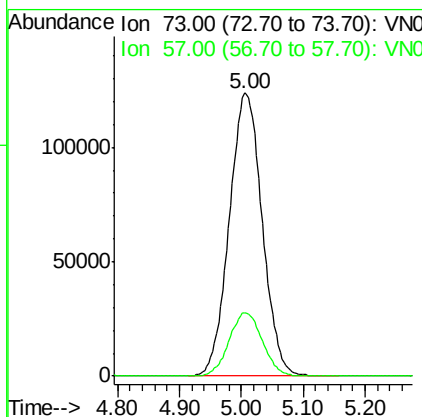
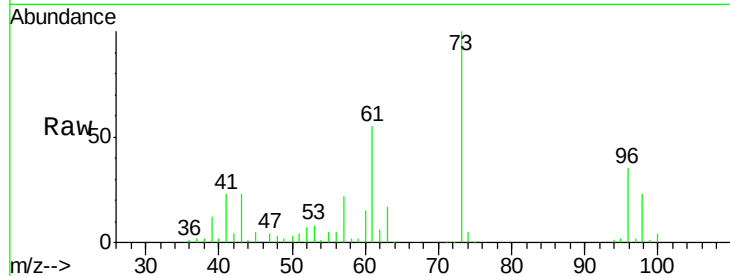
#19
Methvl tert-butyl Ether
Concen: 52.338 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 457207
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8

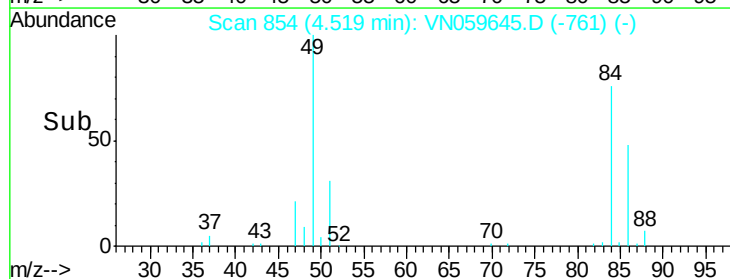
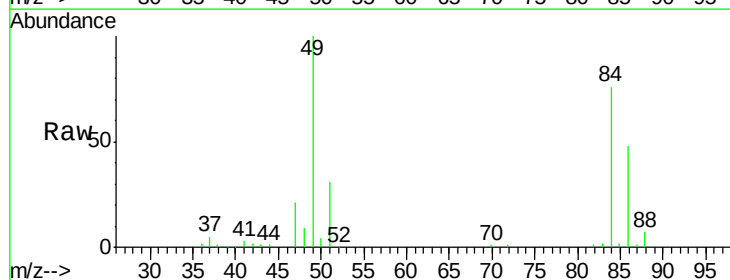
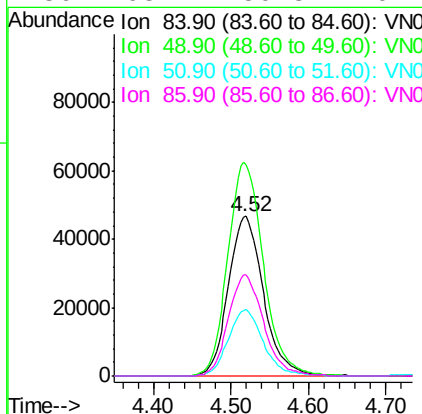
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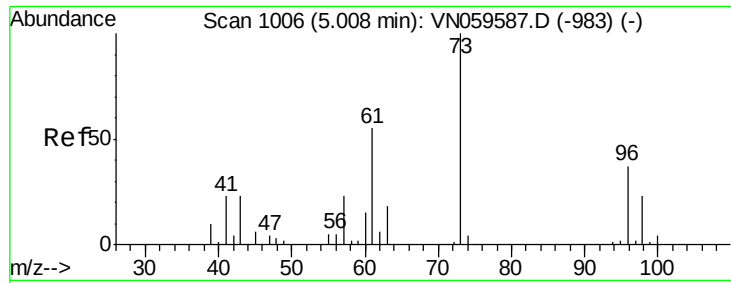
MMDadoda
12/19/2019 11:11:26 AM



#20
Methylene Chloride
Concen: 49.869 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion: 84 Resp: 146773
Ion Ratio Lower Upper
84 100
49 132.1 106.6 160.0
51 41.4 31.9 47.9
86 63.2 50.8 76.2





#21

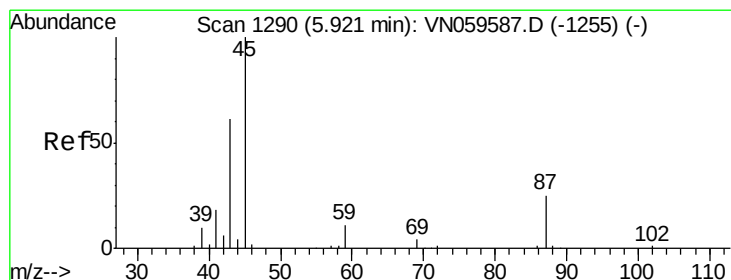
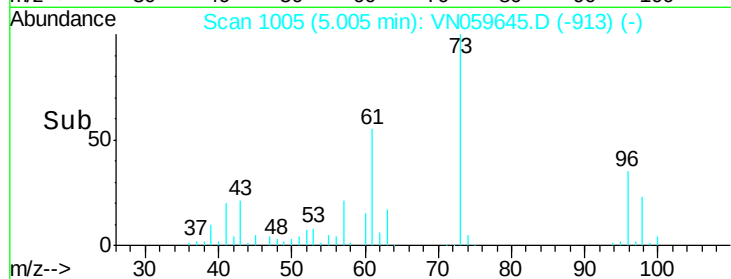
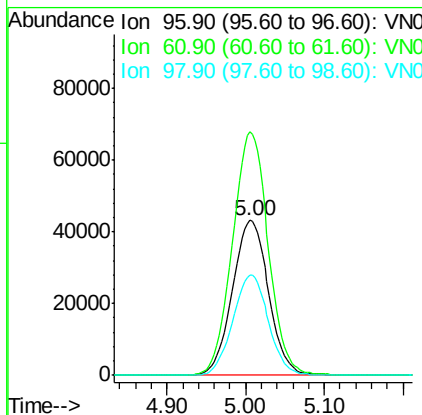
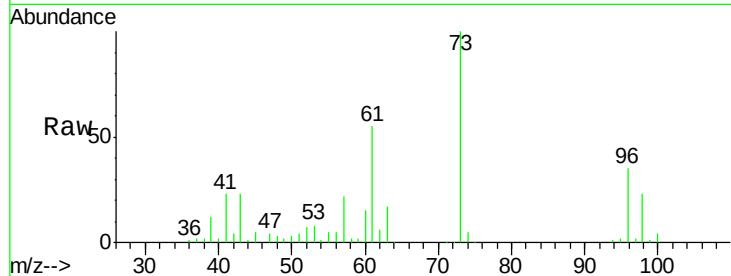
trans-1,2-Dichloroethene
Concen: 50.381 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	120.4	180.6
98	64.6	50.6	75.8

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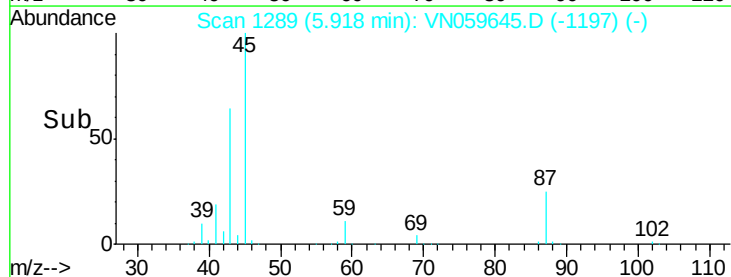
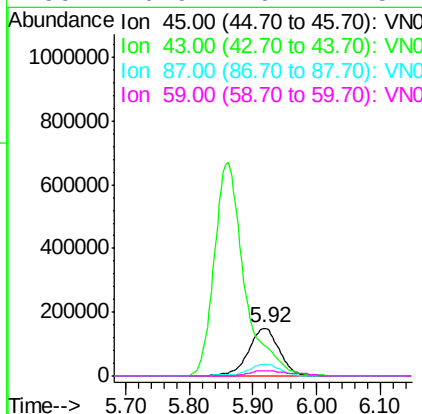
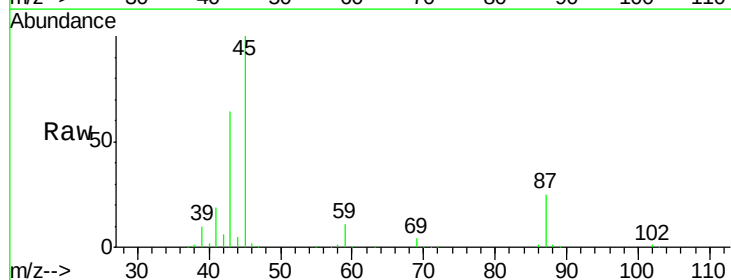
MMDadoda
12/19/2019 11:11:26 AM

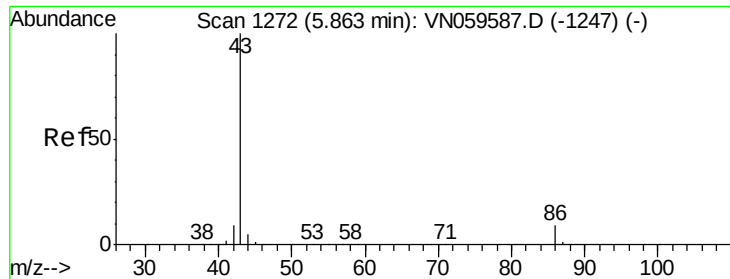


#22

Diisopropyl ether
Concen: 54.347 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.3	50.8	76.2
87	25.1	21.0	31.6
59	10.9	9.1	13.7





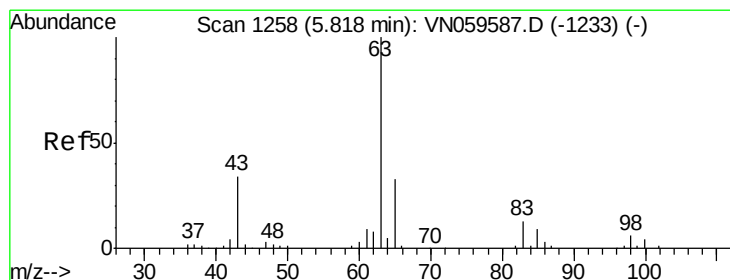
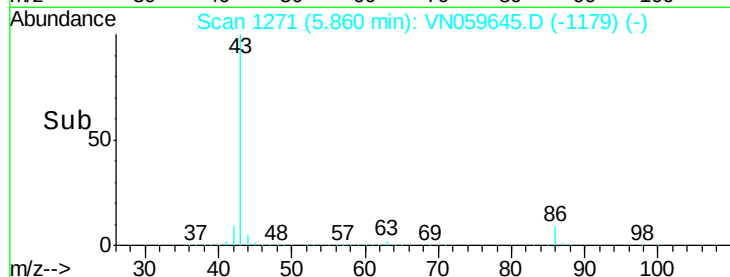
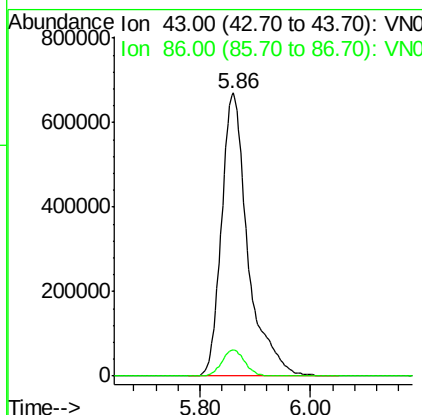
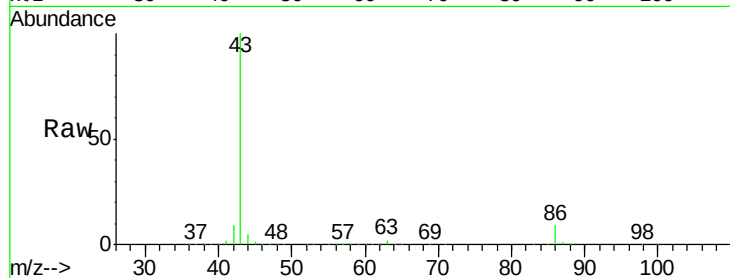
#23
 Vinyl Acetate
 Concen: 301.292 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2213966
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4

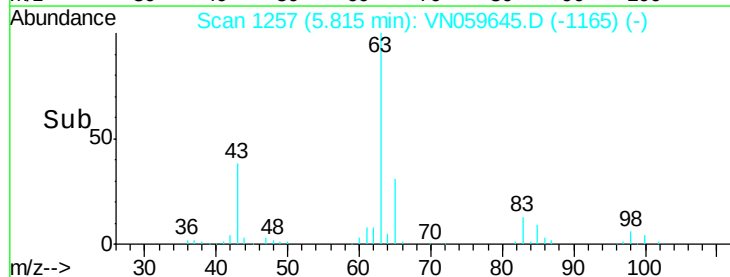
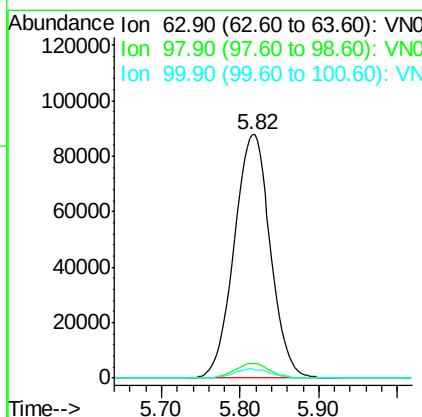
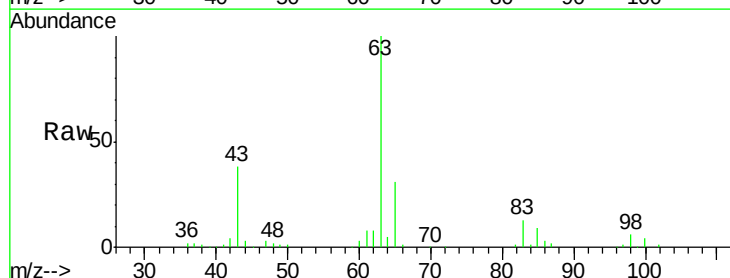
Manual Integrations
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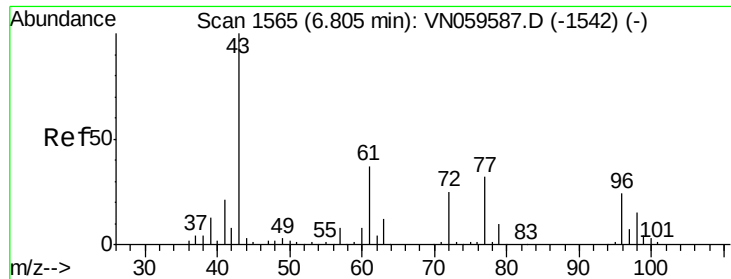
MMDadoda
 12/19/2019 11:11:26 AM



#24
 1,1-Dichloroethane
 Concen: 53.300 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion: 63 Resp: 282708
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 254.842 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621027

Ion Ratio Lower Upper

43 100

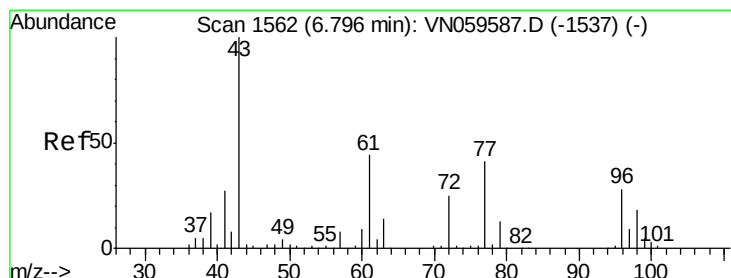
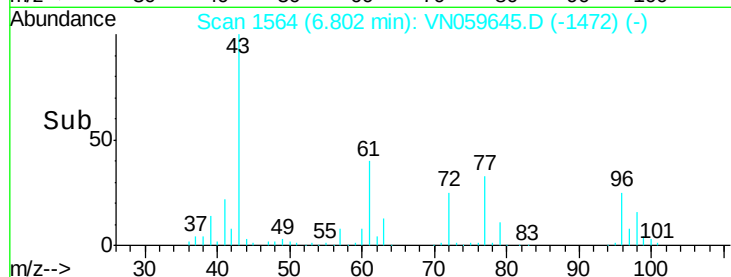
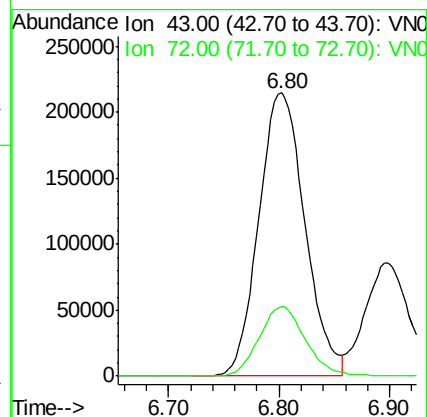
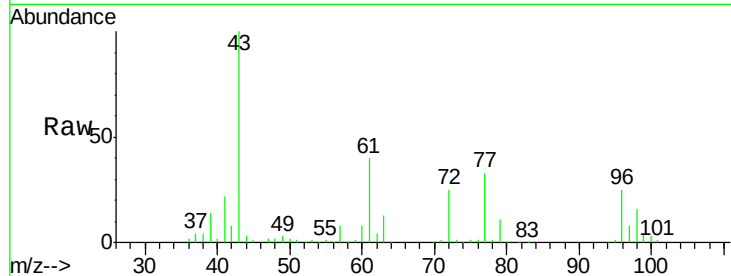
72 24.8 19.9 29.9

Manual Integrations

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12/19/2019 11:11:26 AM



#26

2,2-Dichloropropane

Concen: 52.749 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059645.D

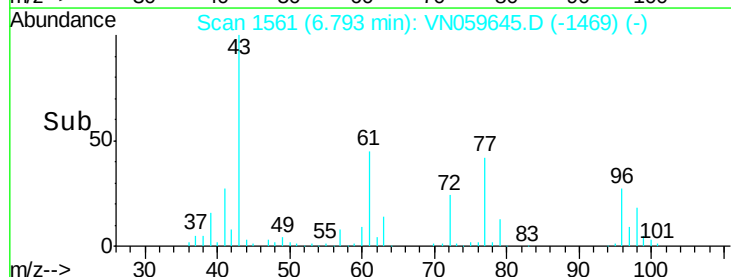
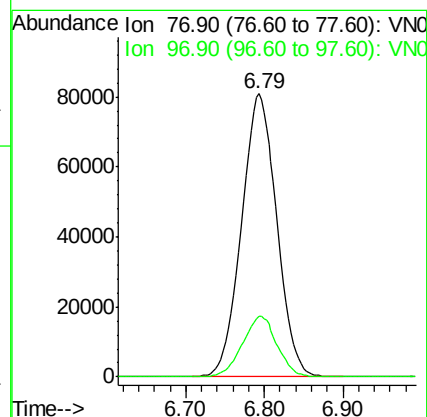
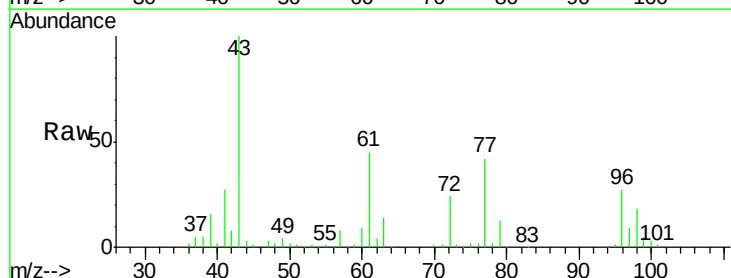
Acq: 18 Dec 2019 11:53

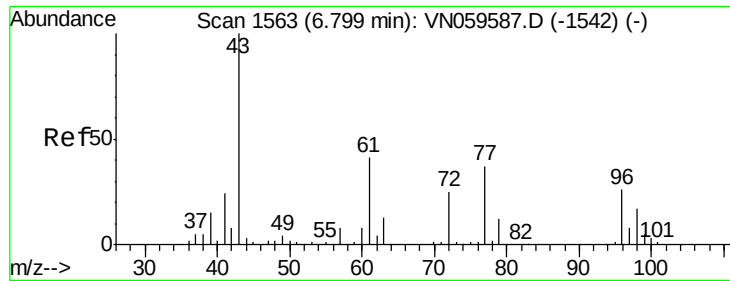
Tgt Ion: 77 Resp: 254285

Ion Ratio Lower Upper

77 100

97 21.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.623 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

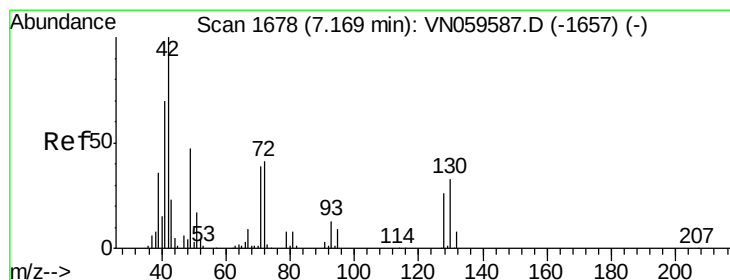
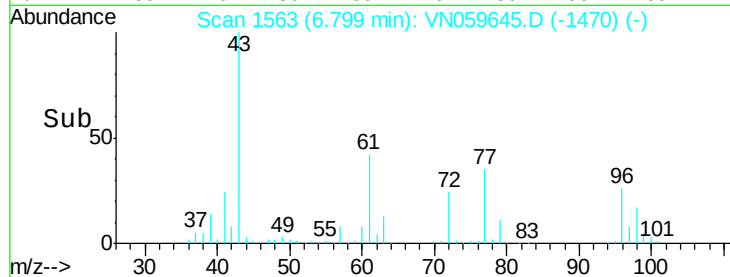
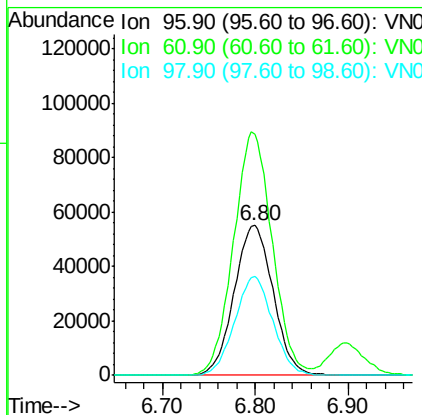
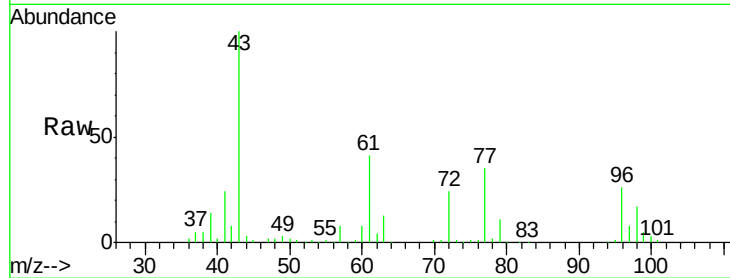
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160829
Ion Ratio	Lower	Upper	
96	100		
61	161.0	0.0	317.6
98	64.5	0.0	127.0

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#28

Bromochloromethane

Concen: 30.928 ug/l

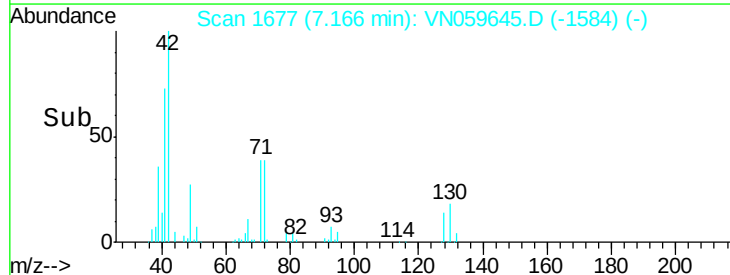
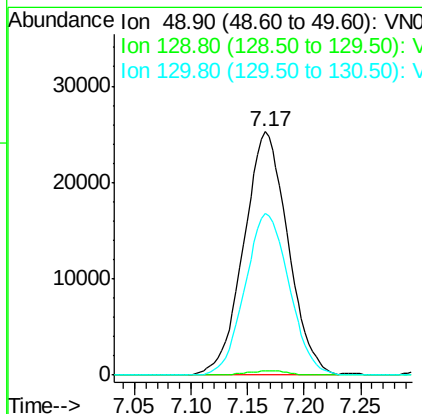
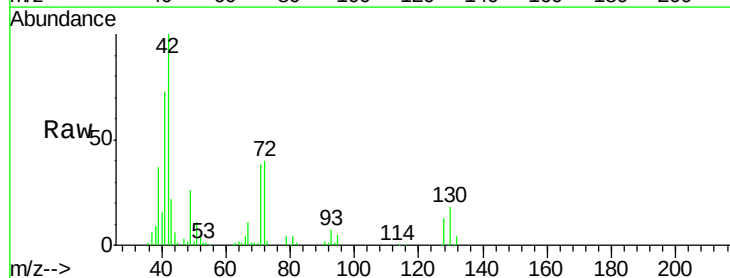
RT: 7.17 min Scan# 1677

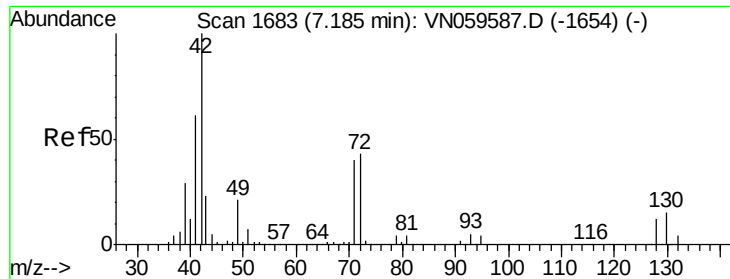
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	49	Resp:	68530
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.4
130	66.4	54.7	82.1





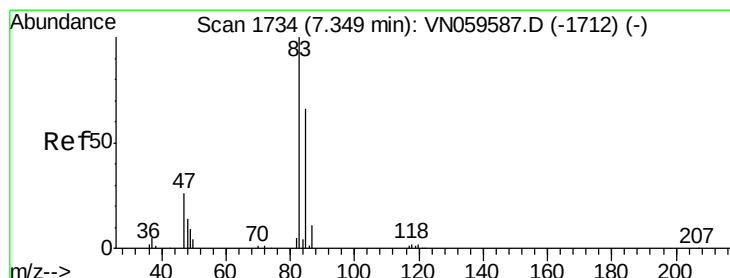
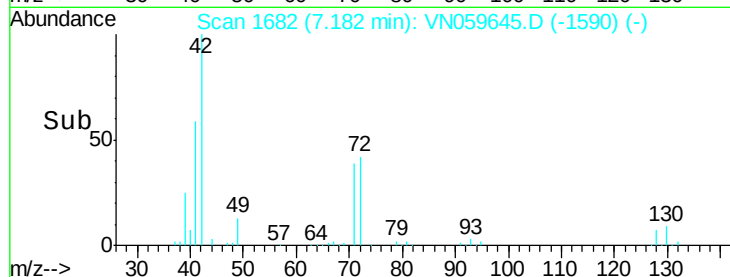
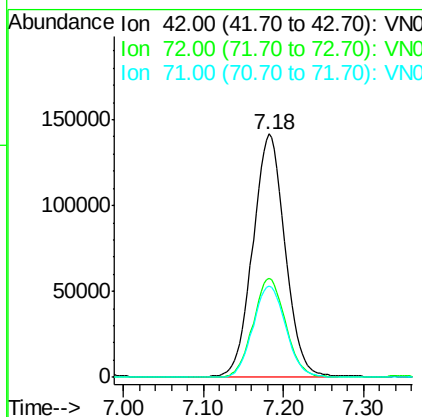
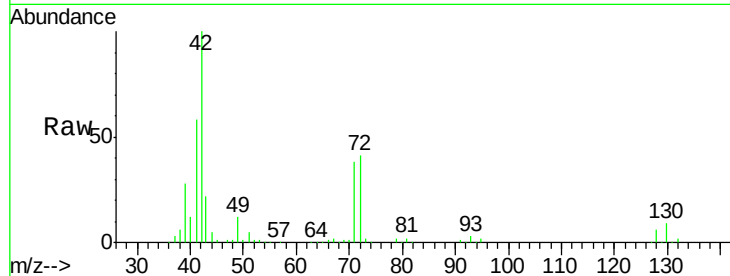
#29
Tetrahydrofuran
Concen: 263.498 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.4	31.4	47.0

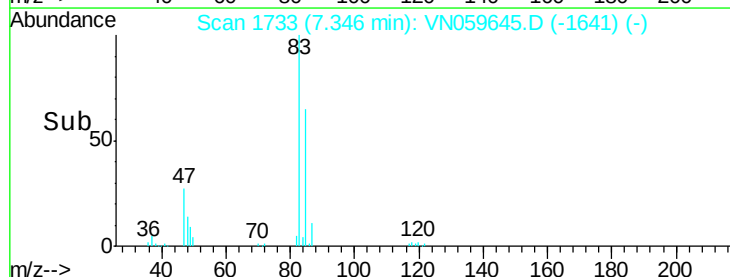
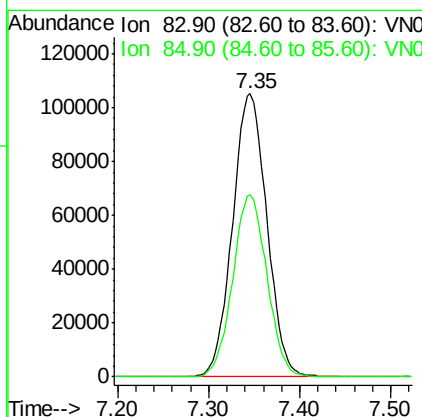
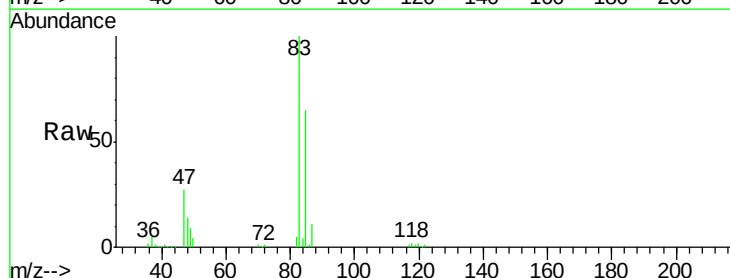
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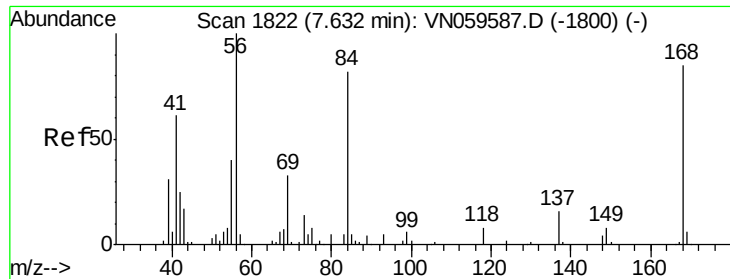
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#30
Chloroform
Concen: 52.713 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





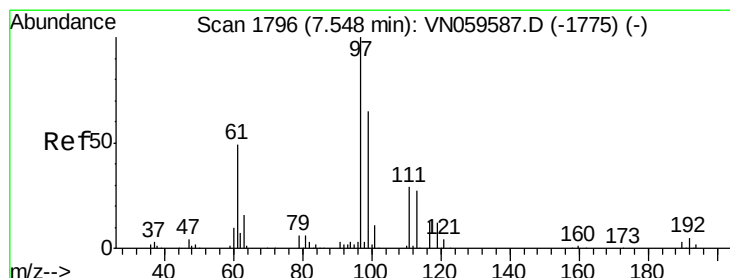
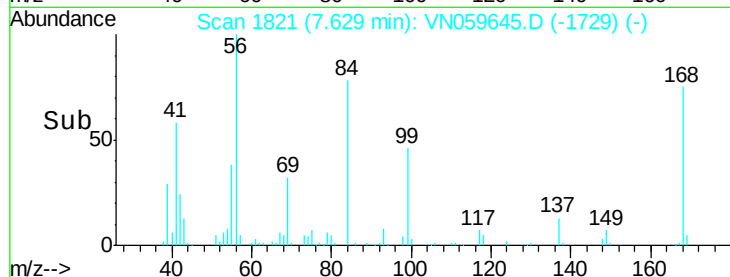
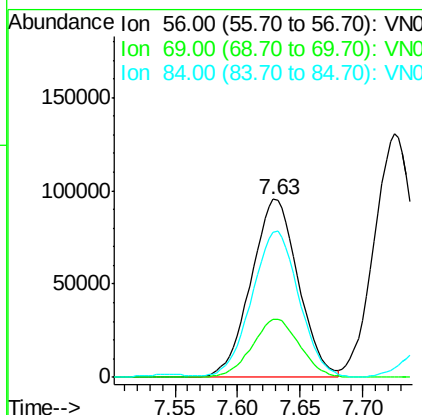
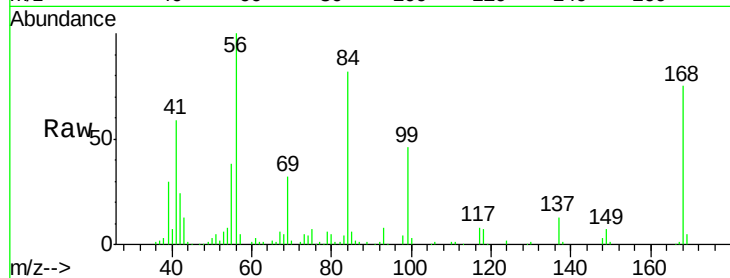
#31
Cyclohexane
Concen: 49.966 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.5	39.7
84	80.8	65.3	97.9

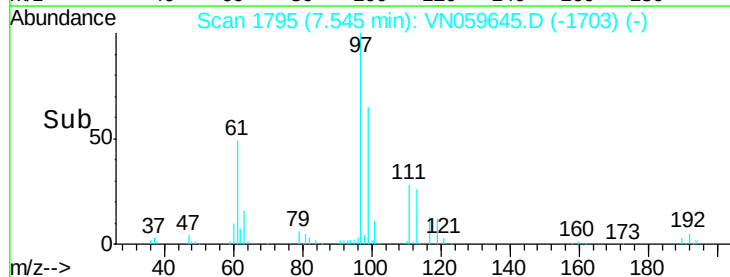
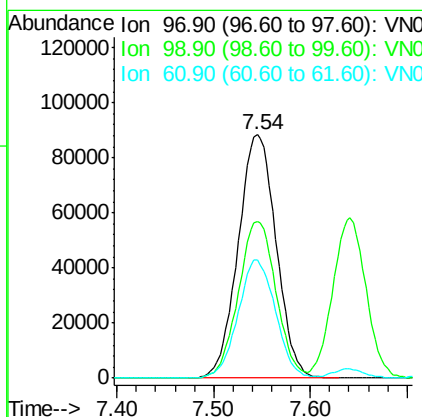
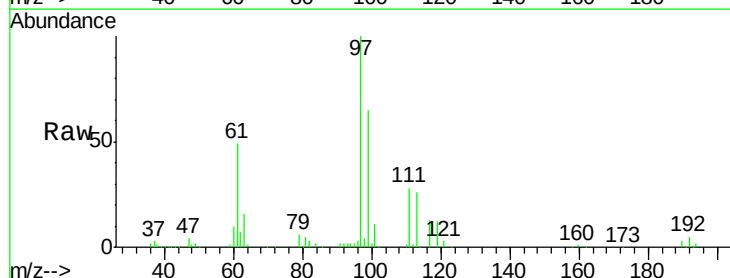
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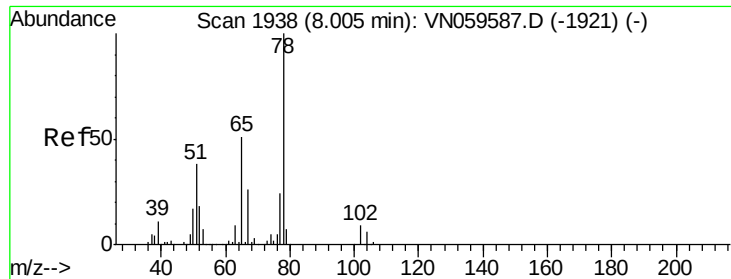
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#32
1,1,1-Trichloroethane
Concen: 51.224 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	47.9	38.5	57.7





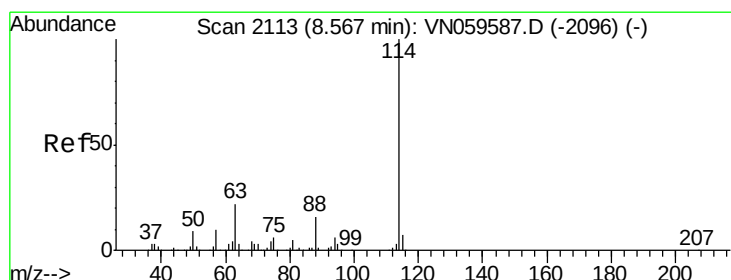
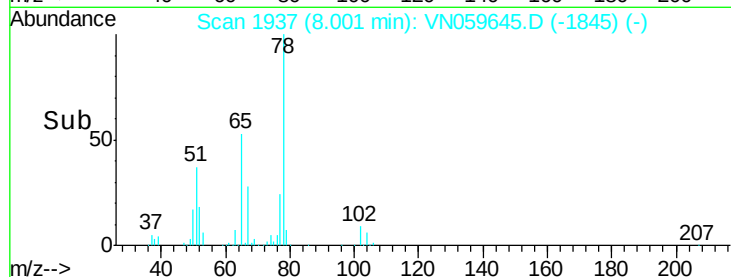
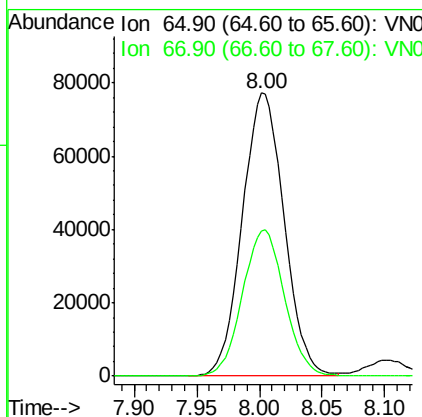
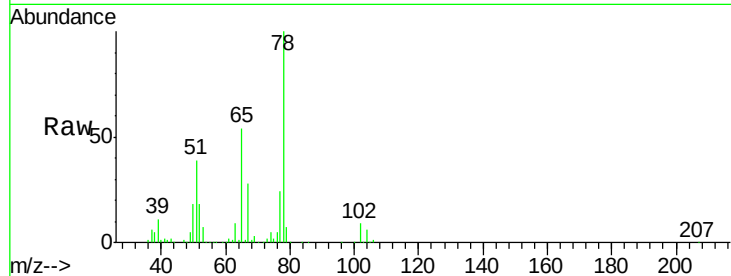
#33
 1,2-Dichloroethane-d4
 Concen: 52.232 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179283		
67	51.9	0.0	103.0	

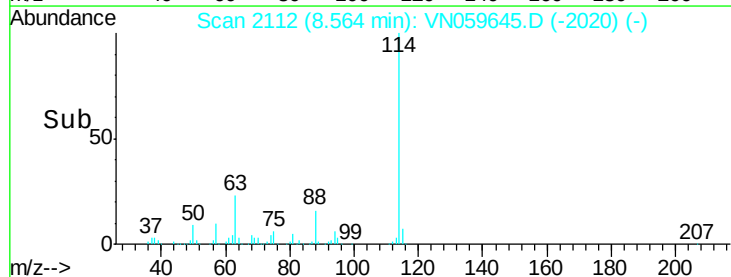
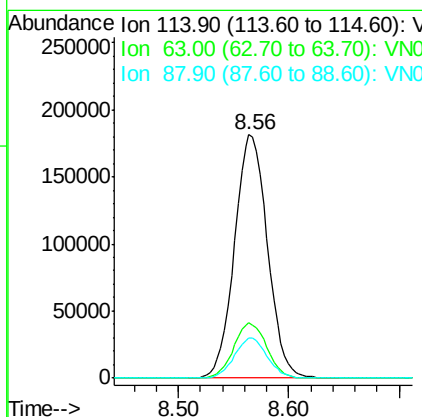
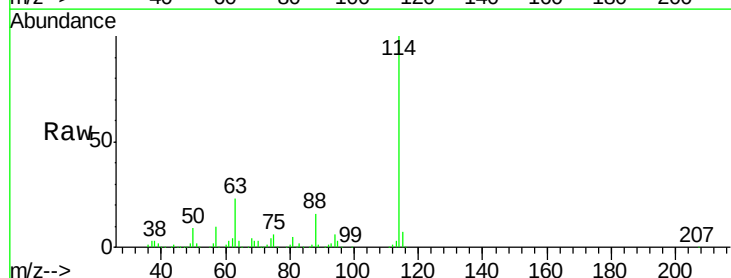
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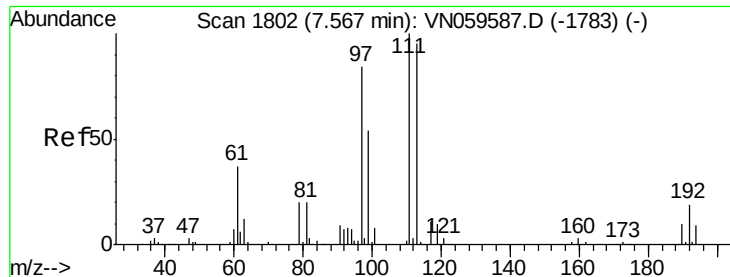
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375567		
63	22.5	0.0	43.6	
88	16.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 53.112 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

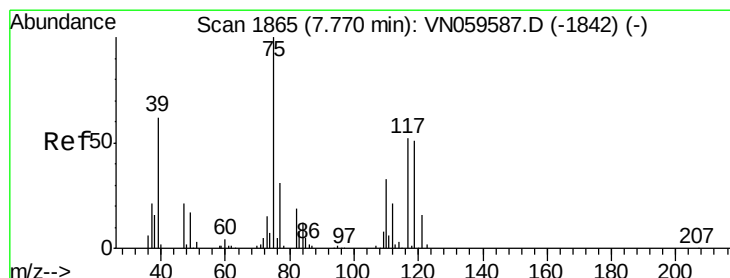
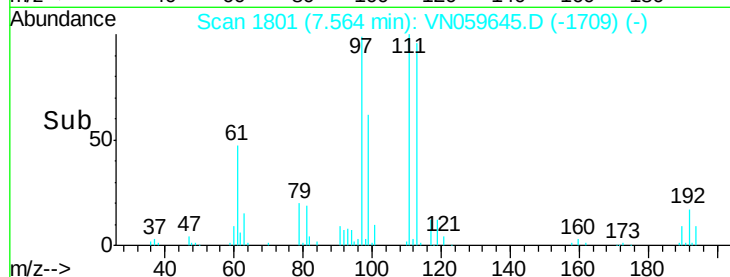
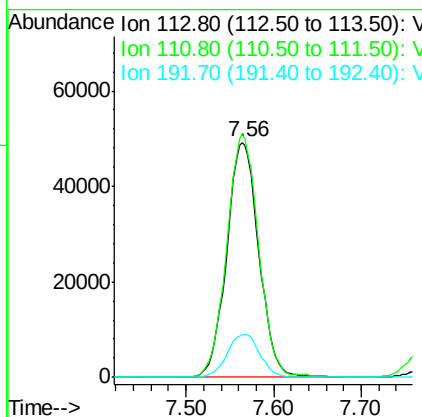
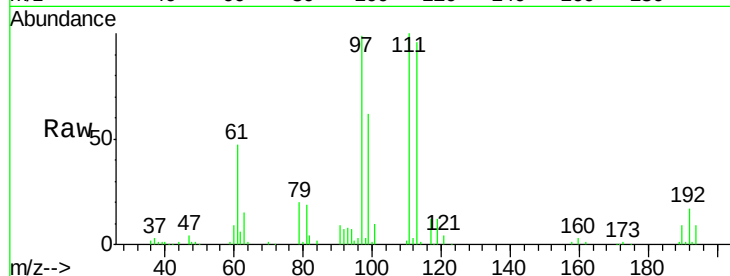
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	124807
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	18.6	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 53.621 ug/l

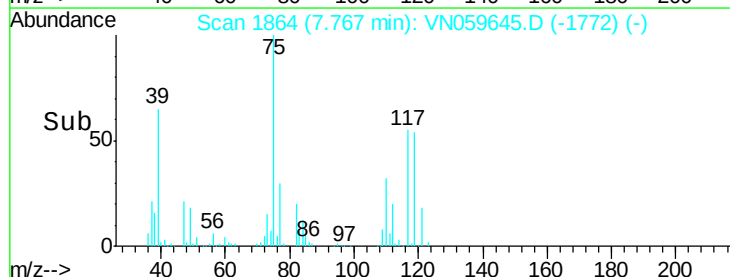
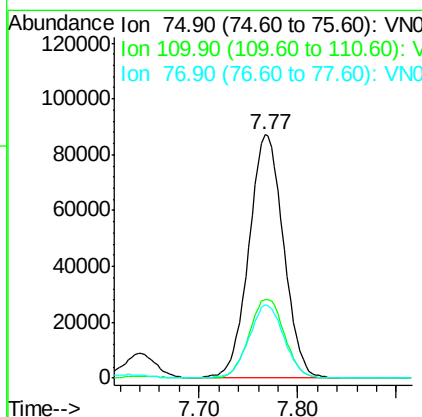
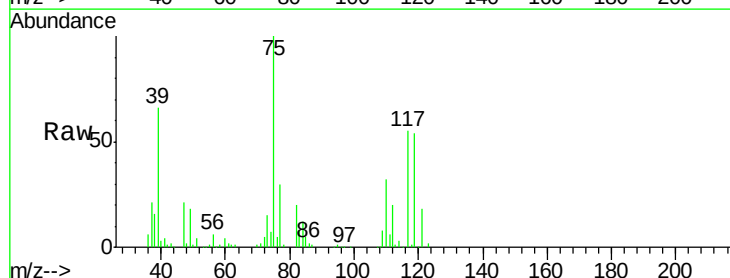
RT: 7.77 min Scan# 1864

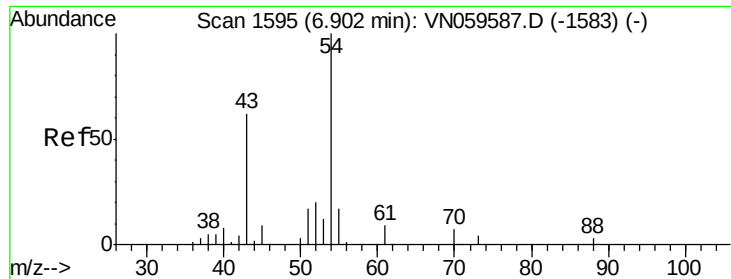
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	75	Resp:	210014
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.7
77	30.7	25.1	37.7





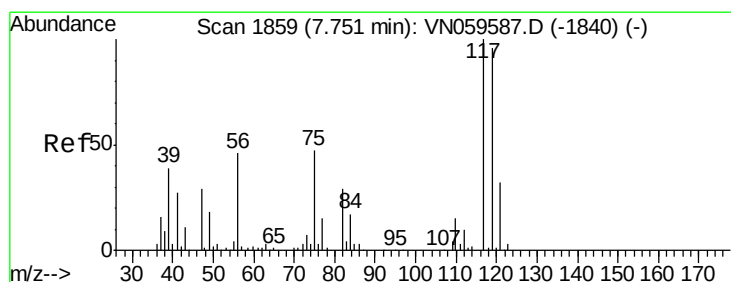
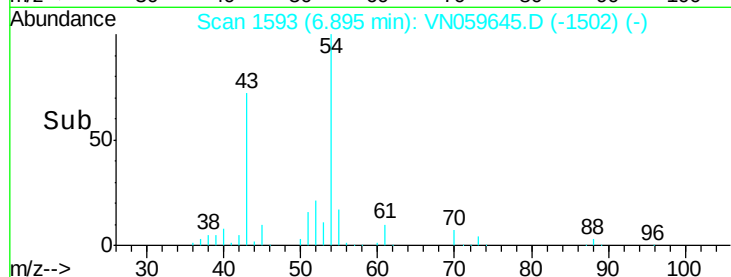
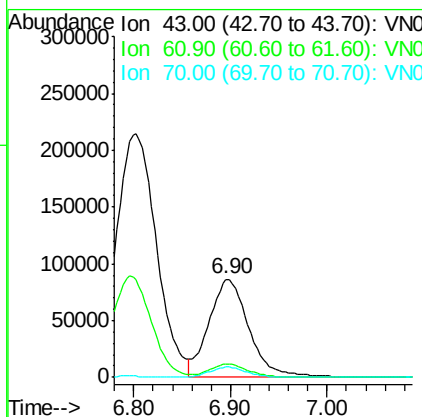
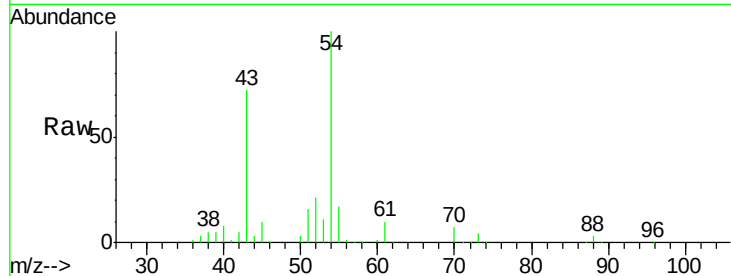
#37
Ethyl Acetate
Concen: 53.531 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	9.8	7.7	11.5

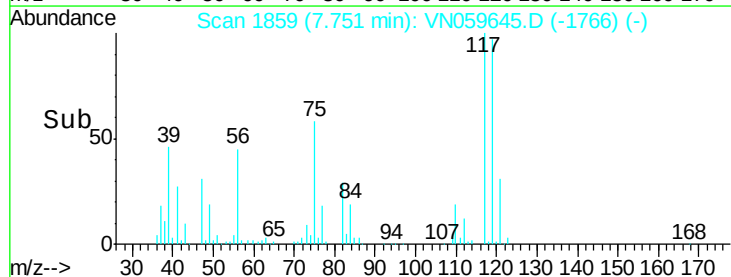
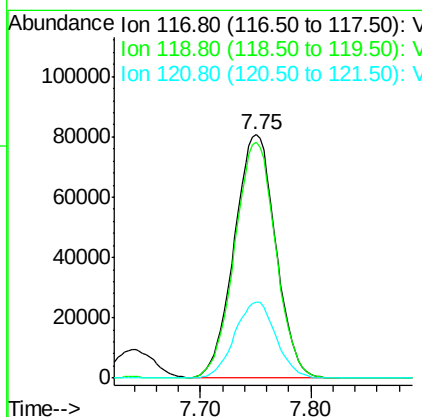
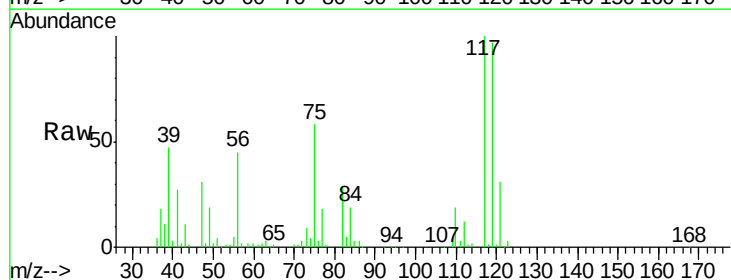
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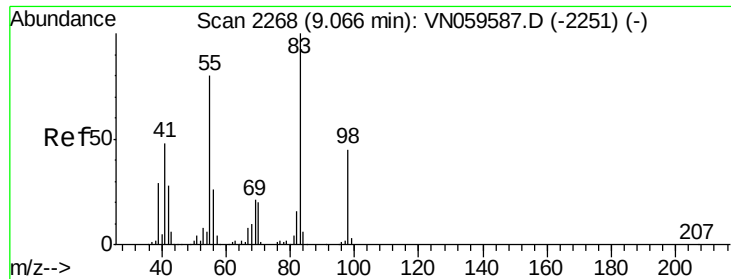
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#38
Carbon Tetrachloride
Concen: 51.746 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7
121	31.3	25.1	37.7





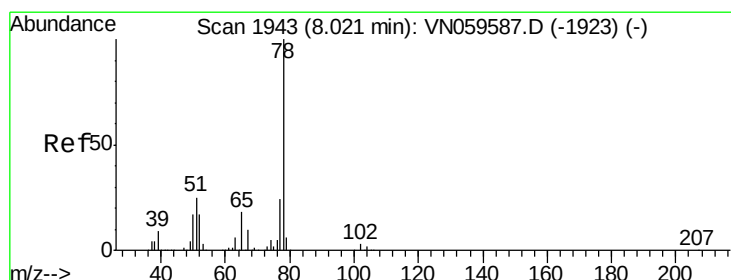
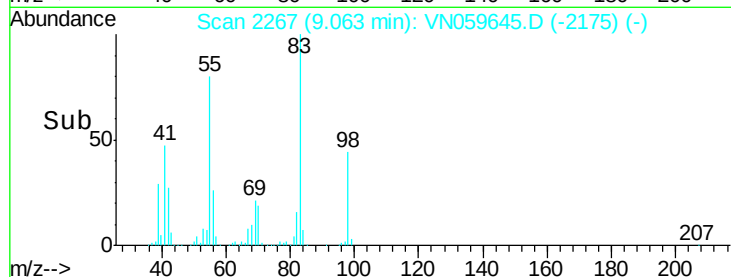
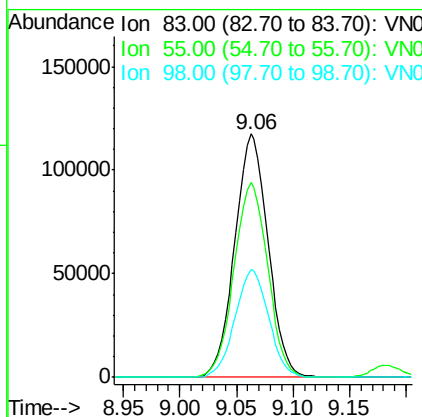
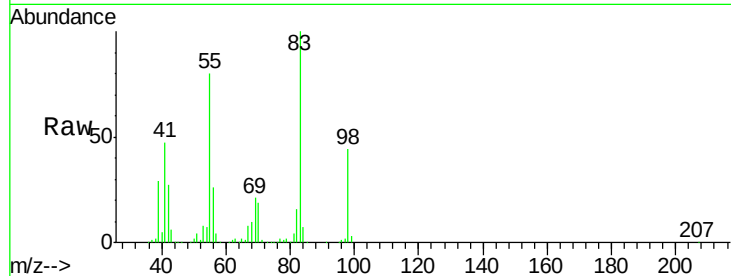
#39
Methylvlcyclohexane
Concen: 54.265 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241075		
55	80.1		64.2	96.2
98	44.1		35.9	53.9

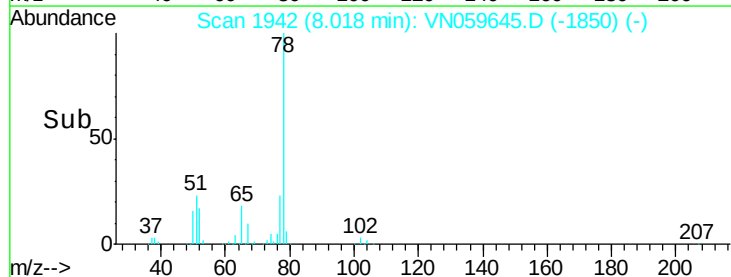
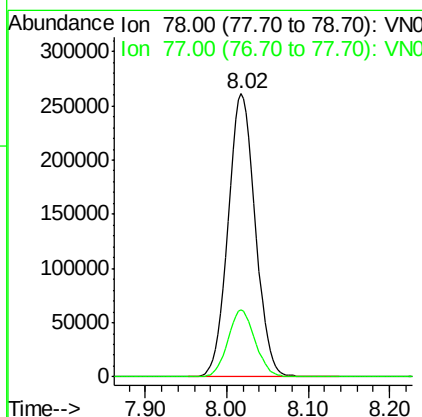
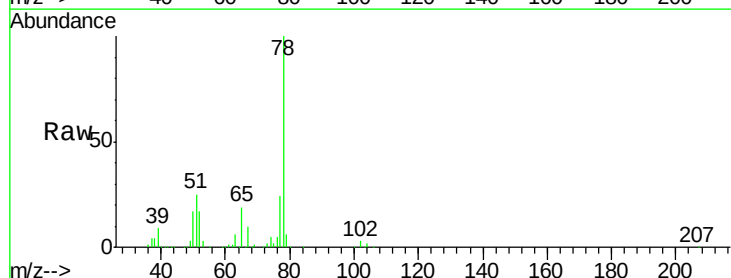
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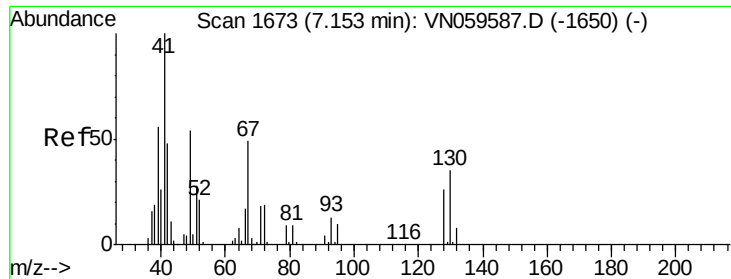
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#40
Benzene
Concen: 53.473 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	612047		
77	23.7		18.9	28.3





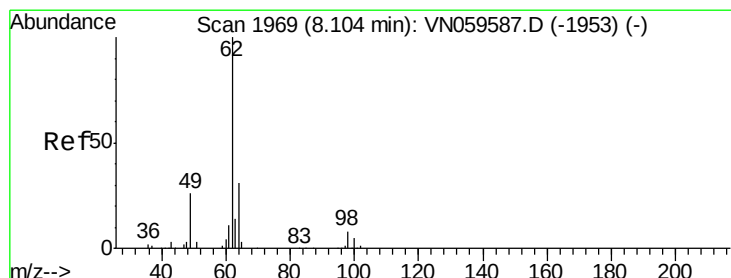
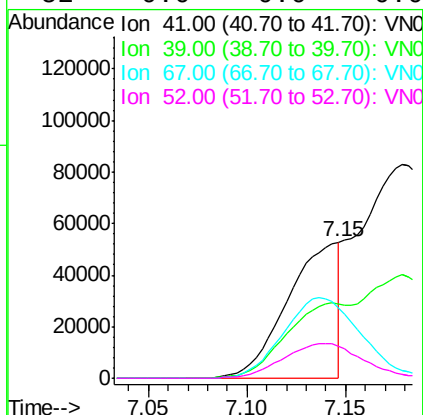
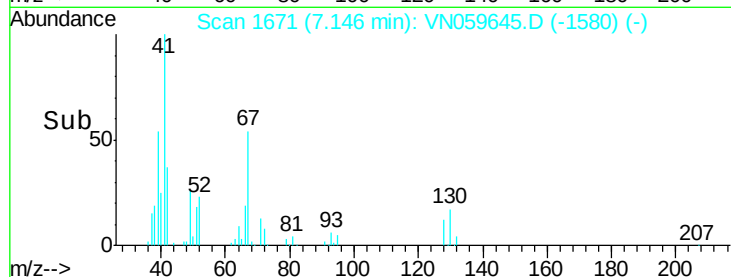
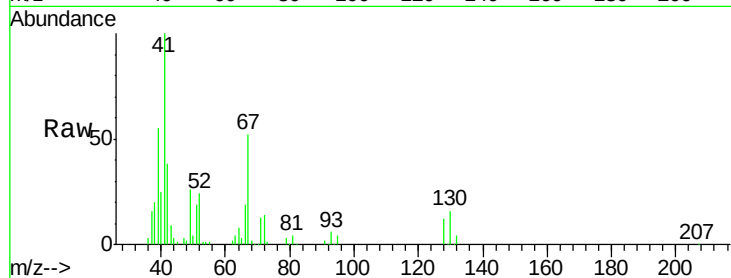
#41
Methacrylonitrile
Concen: 50.942 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	95704
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

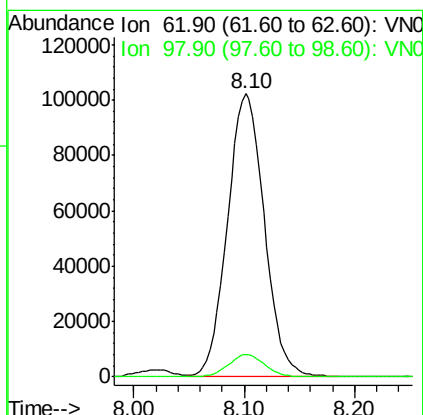
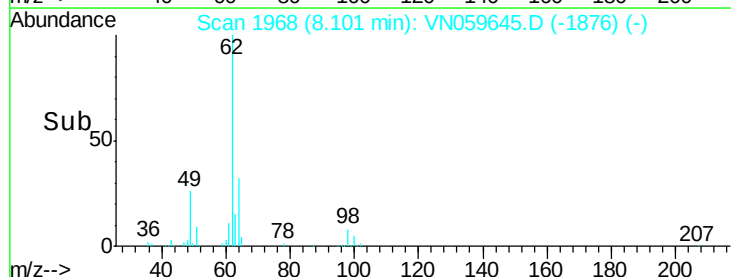
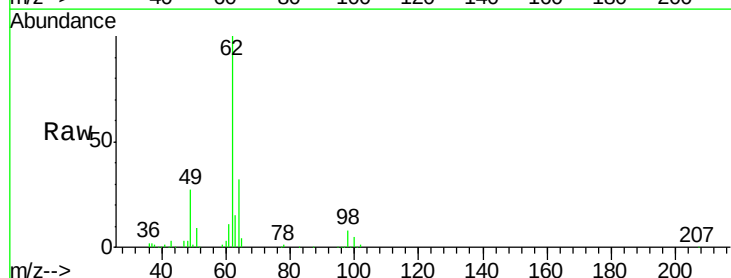
Manual Integrations
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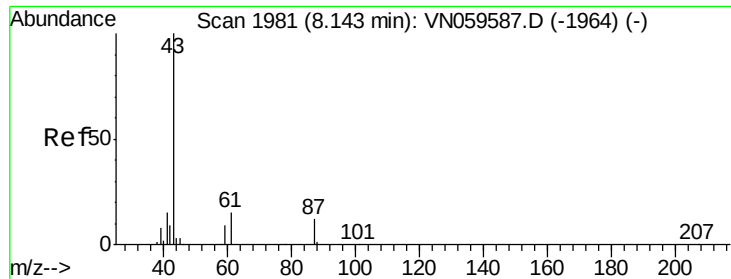
MMDadoda
12/19/2019 11:11:26 AM



#42
1,2-Dichloroethane
Concen: 53.887 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	62	Resp	236207
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.8





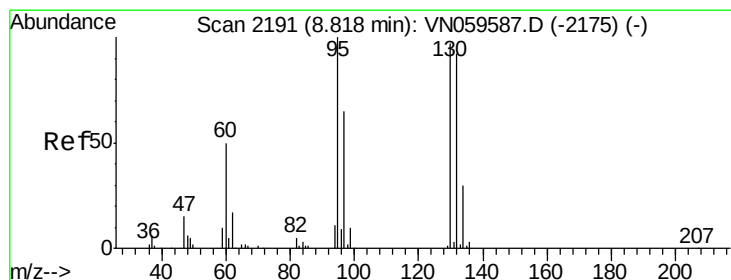
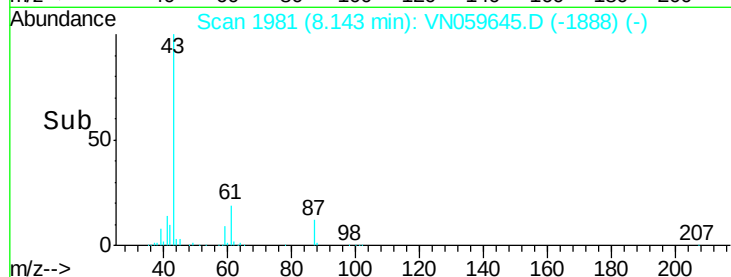
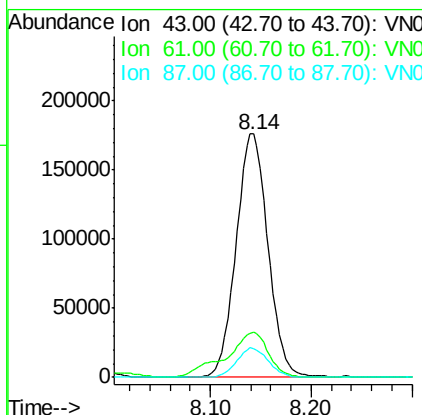
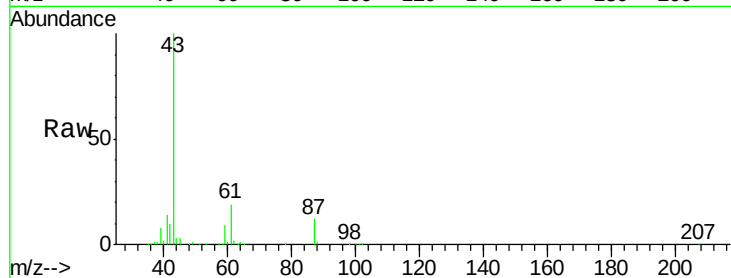
#43
Isopropyl Acetate
Concen: 54.287 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.2	30.2
87	12.1	9.5	14.3

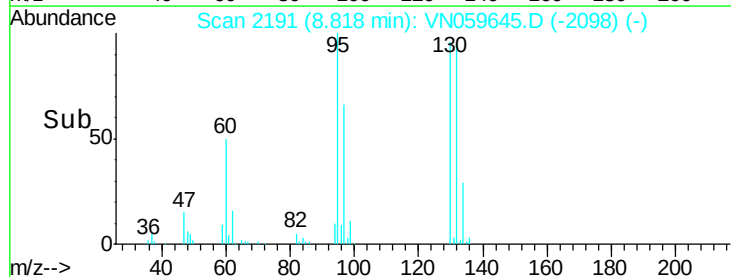
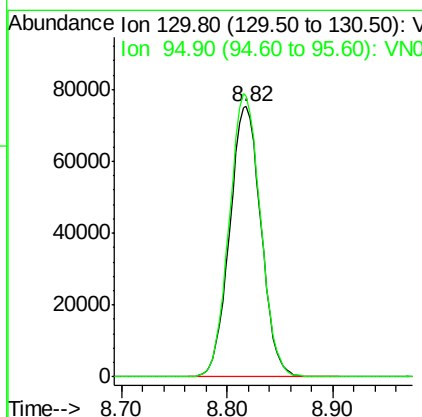
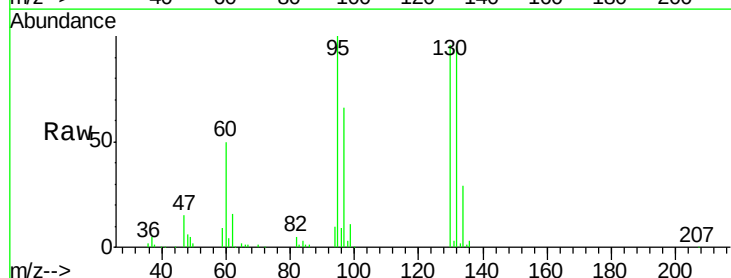
Manual Integrations
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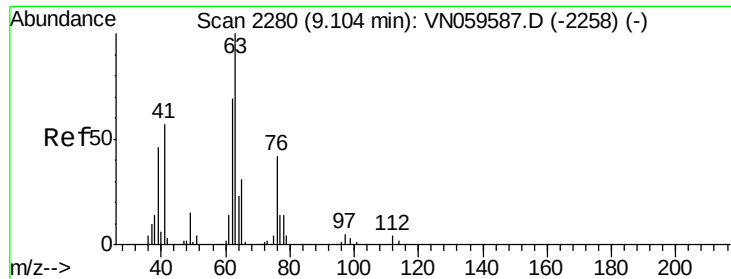
MMDadoda
12/19/2019 11:11:26 AM



#44
Trichloroethene
Concen: 51.653 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	207.0





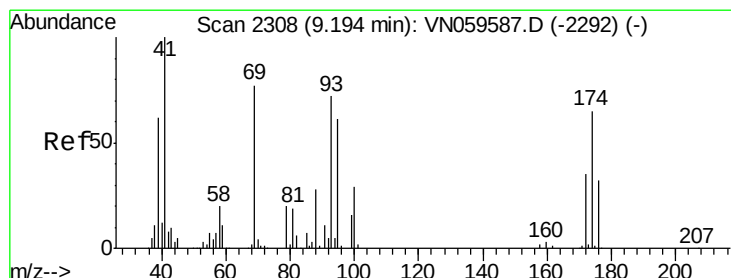
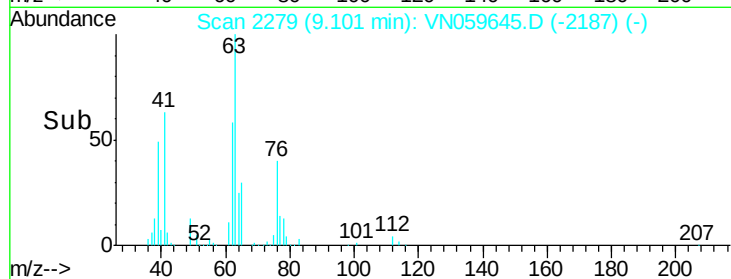
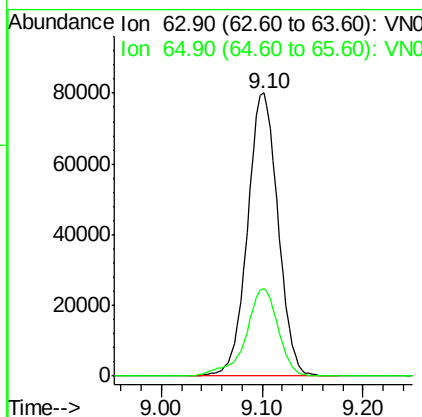
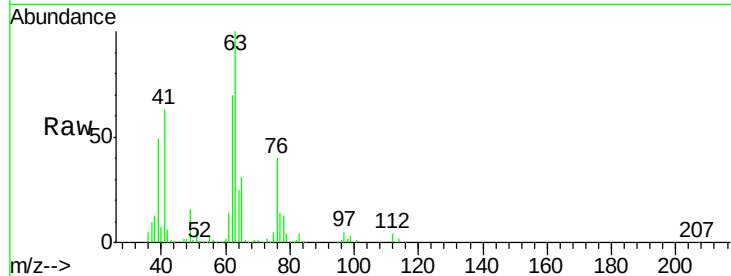
#45
 1,2-Dichloropropane
 Concen: 53.997 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 166894
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

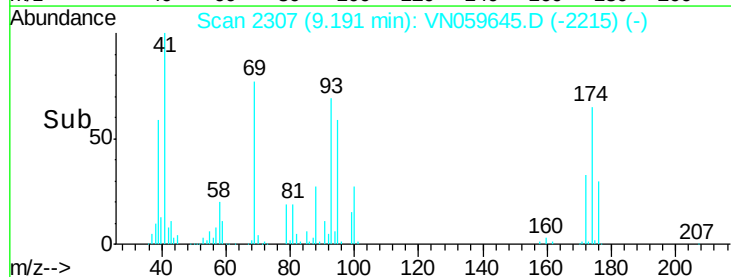
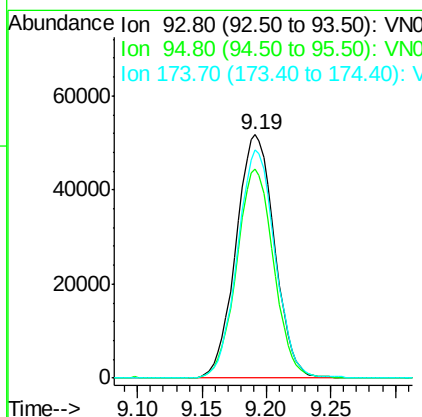
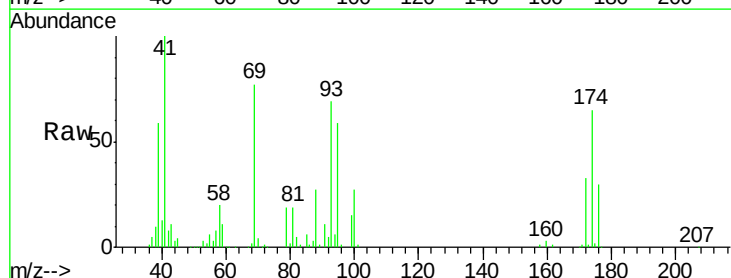
Manual Integrations
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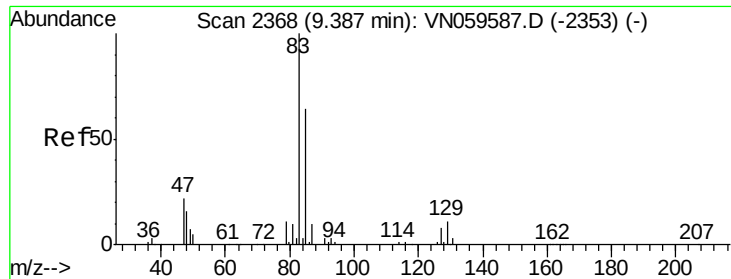
MMDadoda
 12/19/2019 11:11:26 AM



#46
 Dibromomethane
 Concen: 53.088 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion: 93 Resp: 107501
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 91.7 73.4 110.2





#47

Bromodichloromethane

Concen: 54.531 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

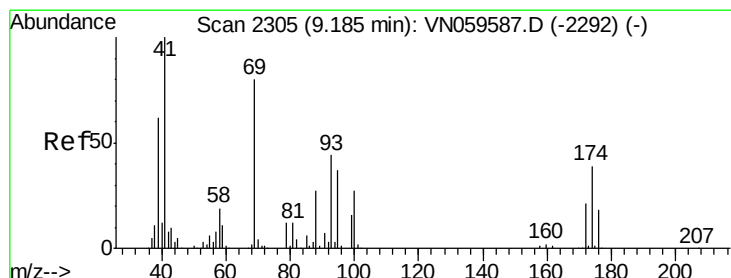
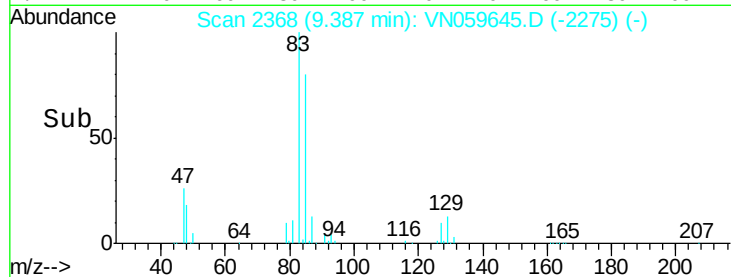
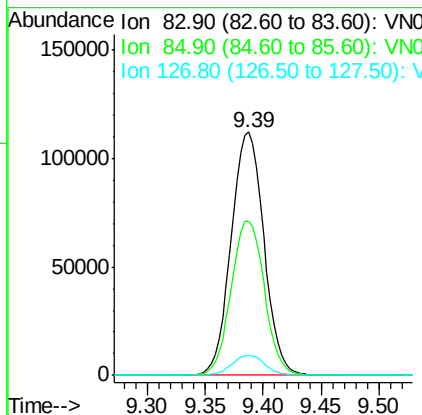
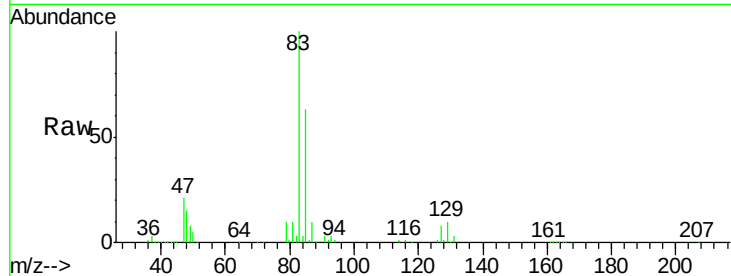
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	220153
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.1	76.7
127	8.3	6.6	9.8

Manual Integrations
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MMDadoda
12/19/2019 11:11:26 AM



#48

Methyl methacrylate

Concen: 54.466 ug/l

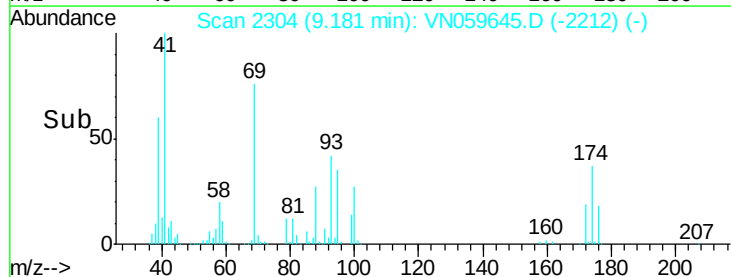
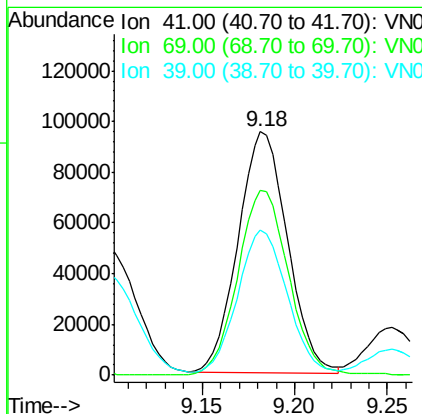
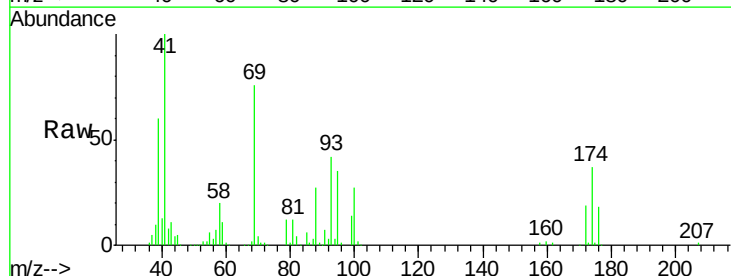
RT: 9.18 min Scan# 2304

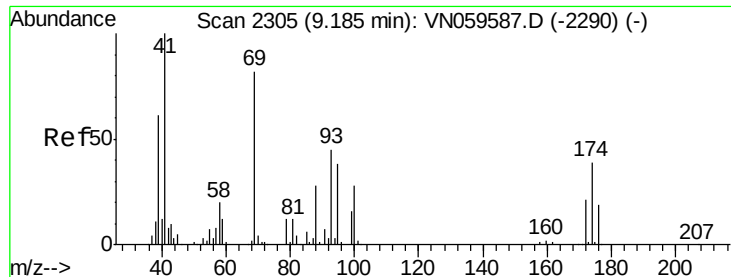
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	41	Resp:	174891
Ion Ratio	Lower	Upper	
41	100		
69	79.5	64.4	96.6
39	61.3	51.3	76.9





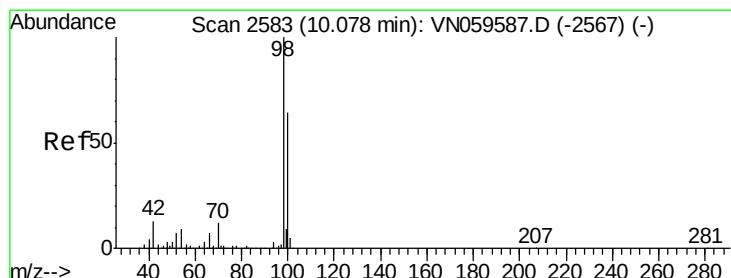
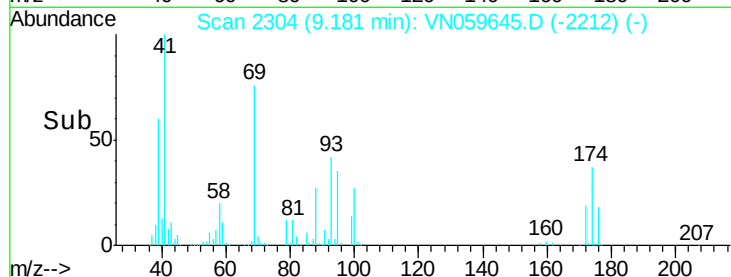
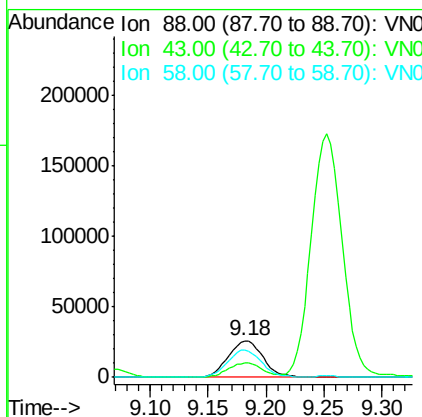
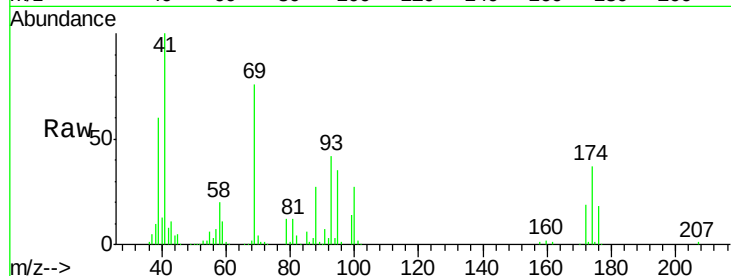
#49
1,4-Dioxane
Concen: 1176.040 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.7	44.5
58	73.4	56.6	85.0

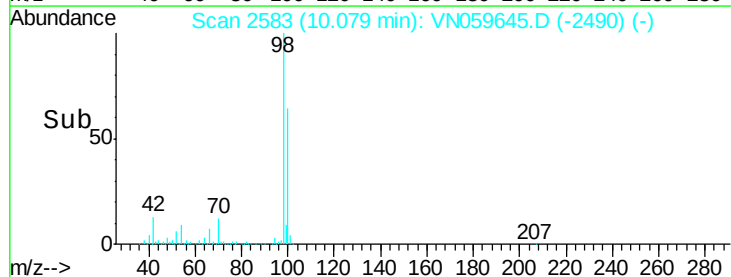
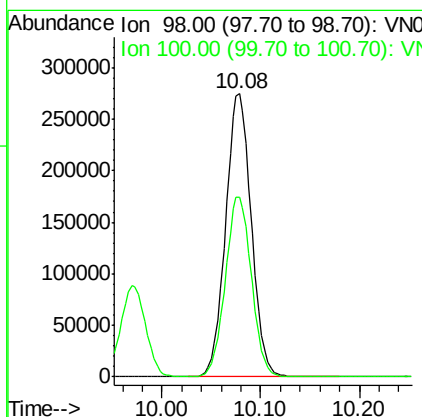
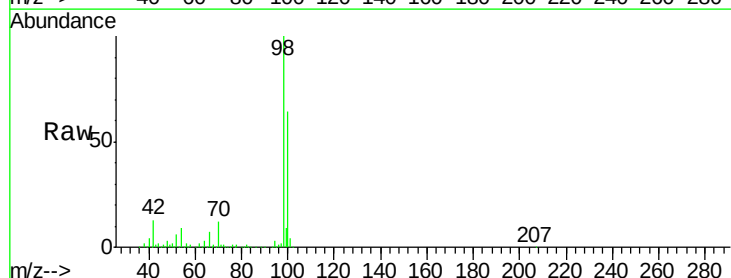
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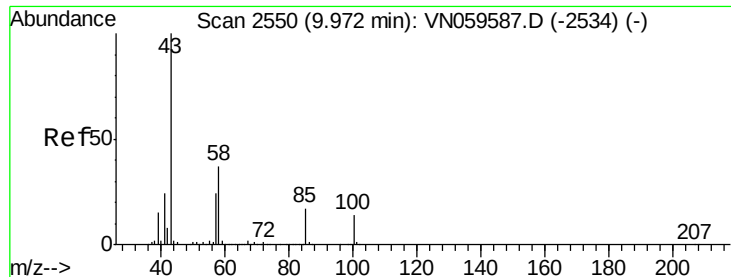
MMDadoda
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#50
Toluene-d8
Concen: 53.814 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 285.533 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1204864

Ion Ratio Lower Upper

43 100

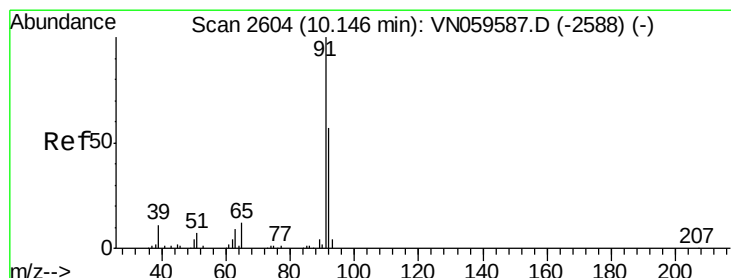
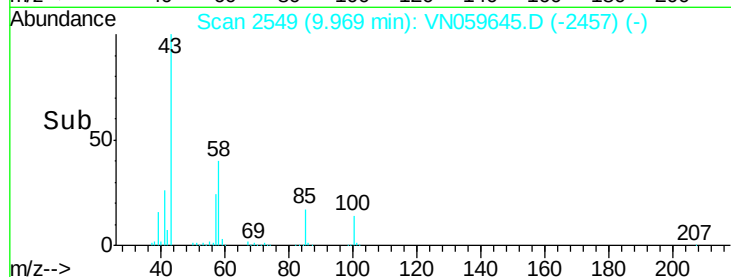
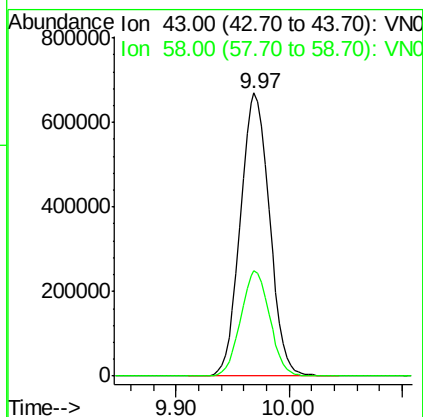
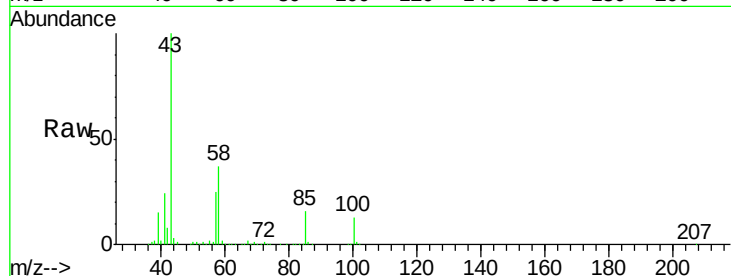
58 37.0 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 52.969 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059645.D

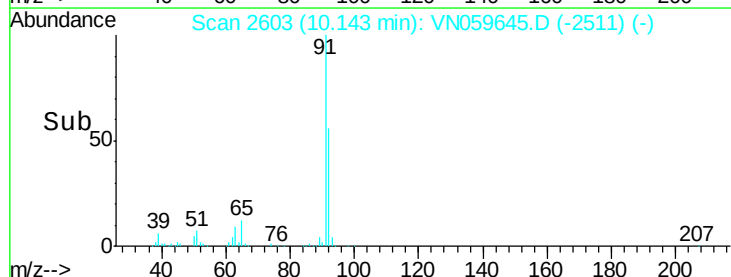
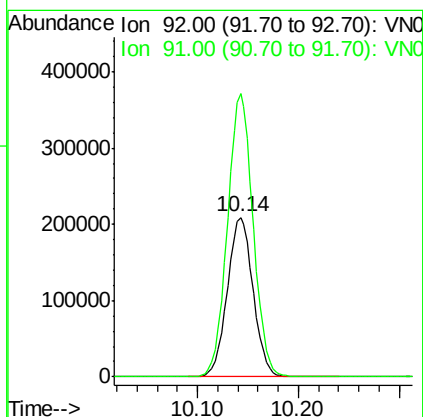
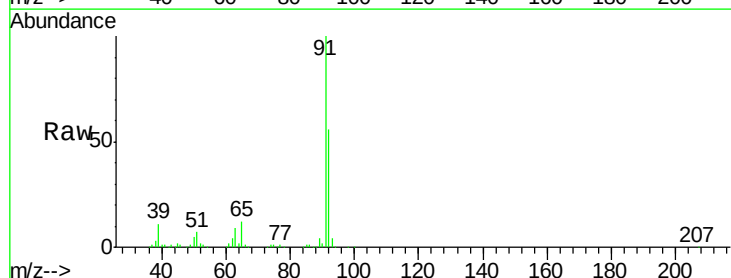
Acq: 18 Dec 2019 11:53

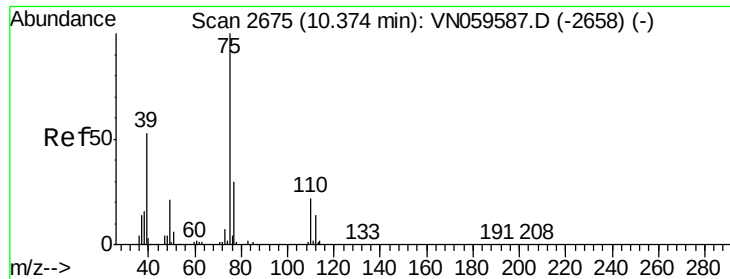
Tgt Ion: 92 Resp: 372517

Ion Ratio Lower Upper

92 100

91 176.6 140.4 210.6





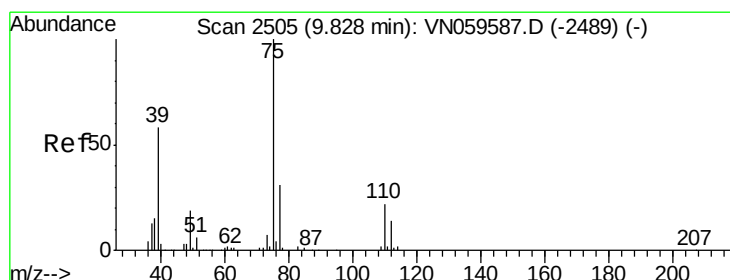
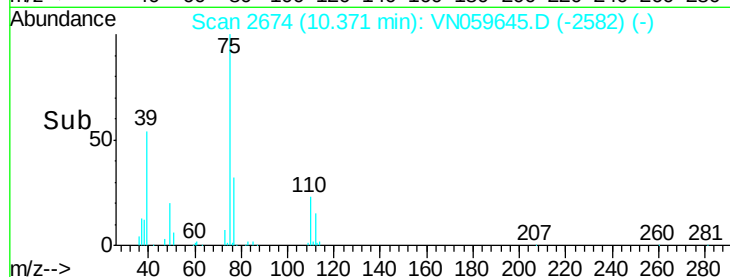
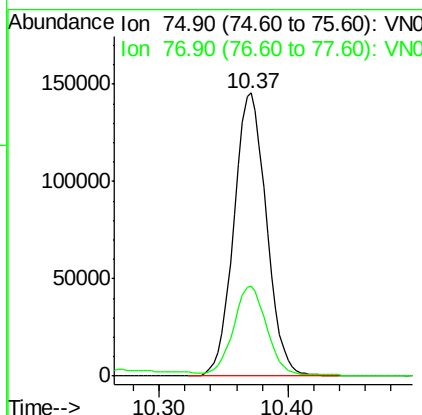
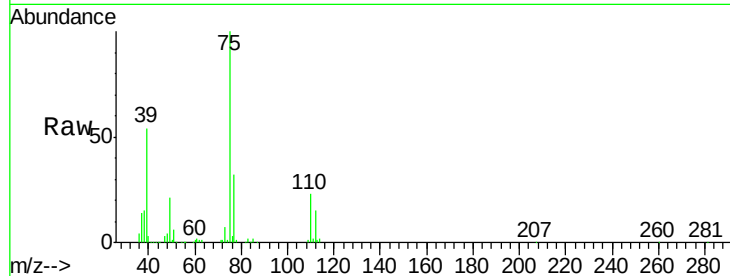
#53
t-1,3-Dichloropropene
Concen: 54.660 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

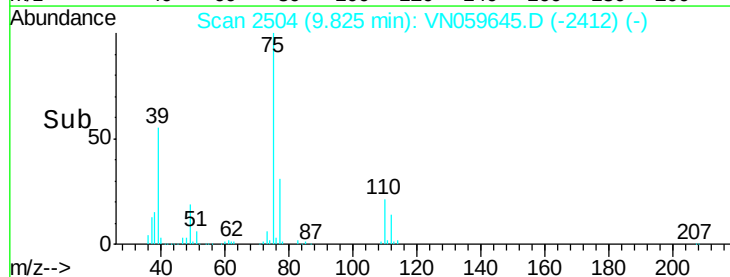
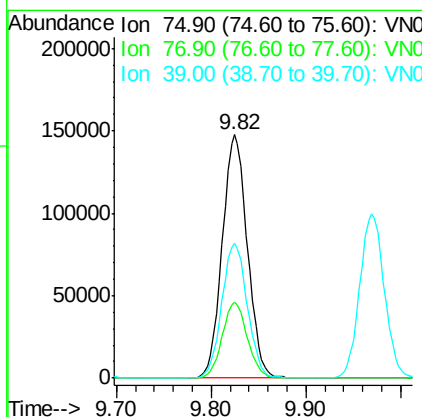
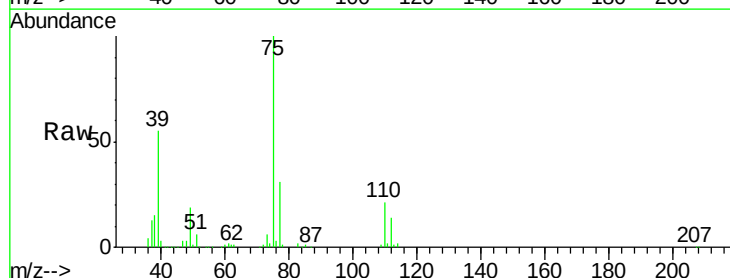
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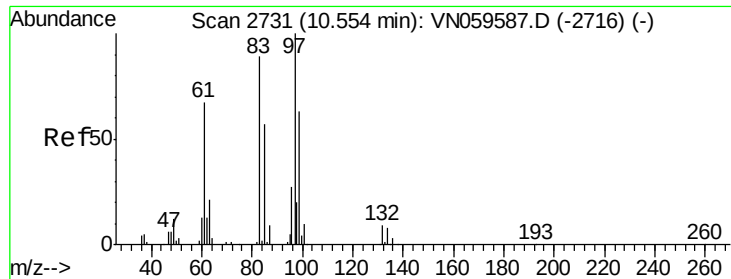
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.382 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	55.4	46.1	69.1





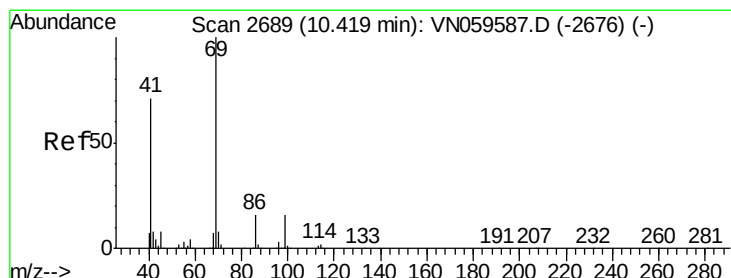
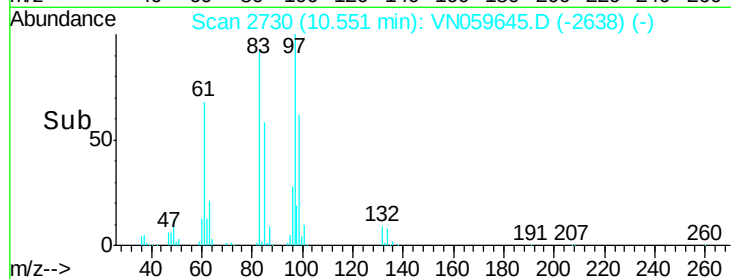
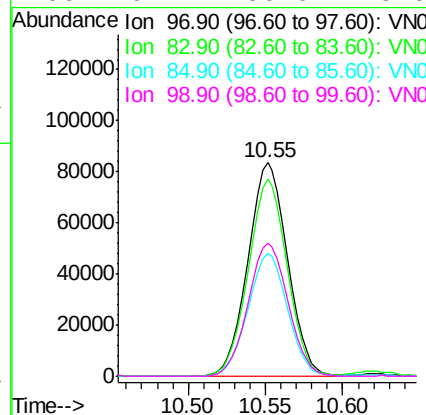
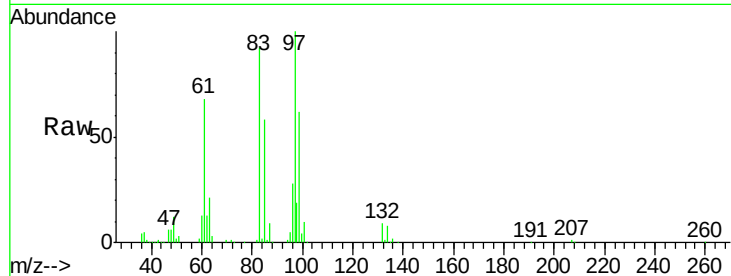
#55
 1,1,2-Trichloroethane
 Concen: 53.992 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	149000
Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.3	106.9
85	57.8	45.8	68.8
99	62.4	50.0	75.0

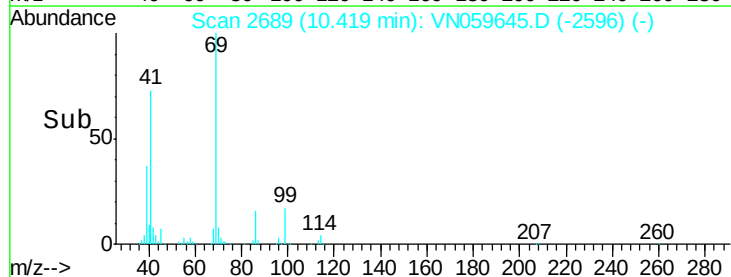
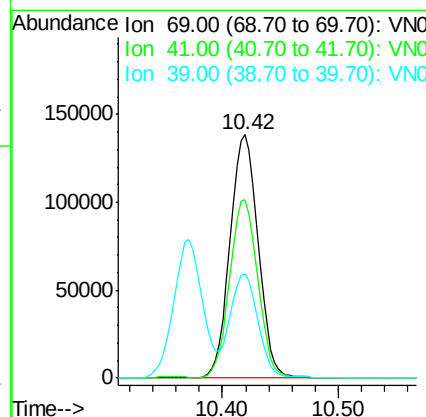
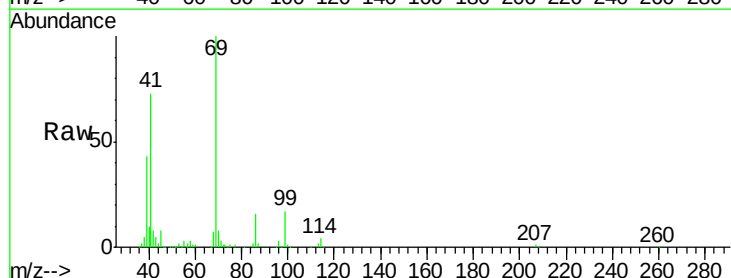
Manual Integrations
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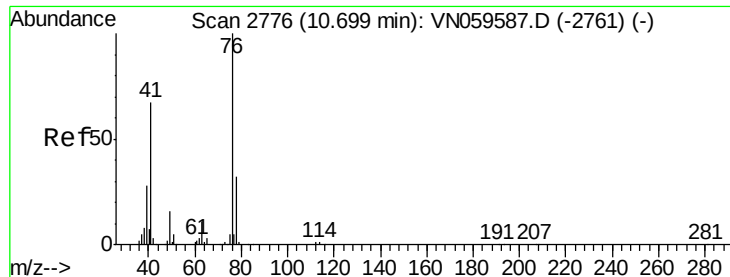
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 12/19/2019 11:11:26 AM



#56
 Ethyl methacrylate
 Concen: 56.672 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion:	69	Resp:	232176
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.1	85.7
39	41.8	34.7	52.1





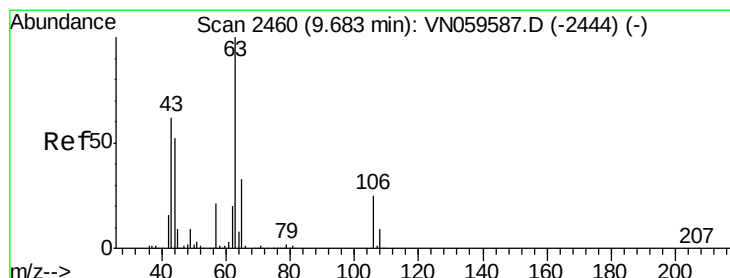
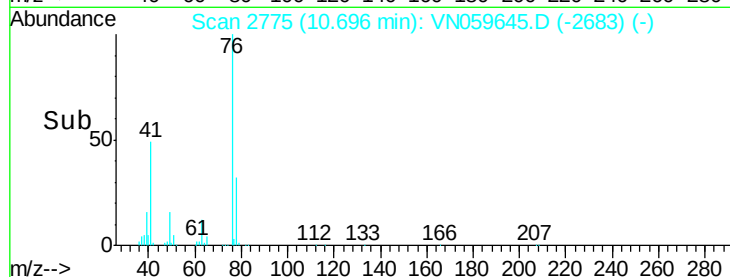
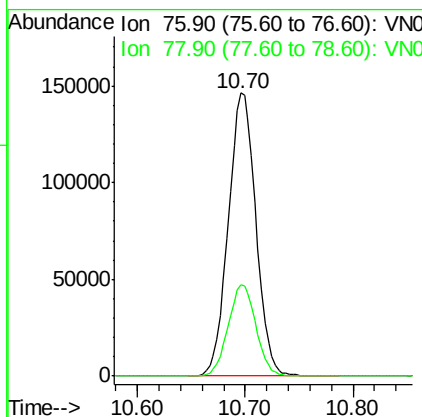
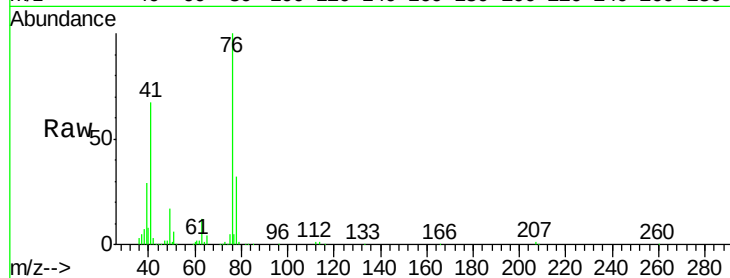
#57
 1,3-Dichloropropane
 Concen: 54.364 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

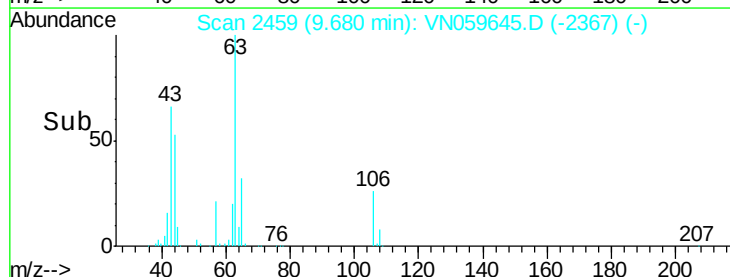
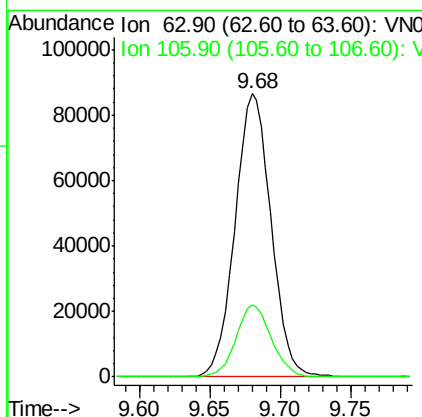
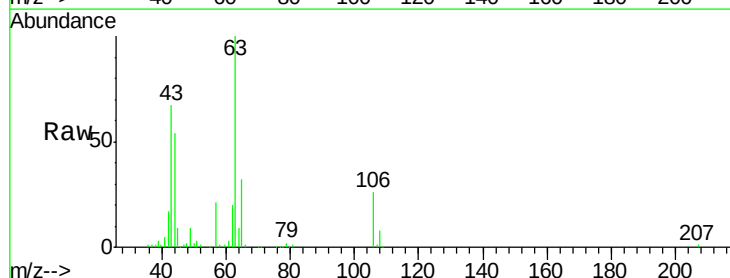
Manual Integrations
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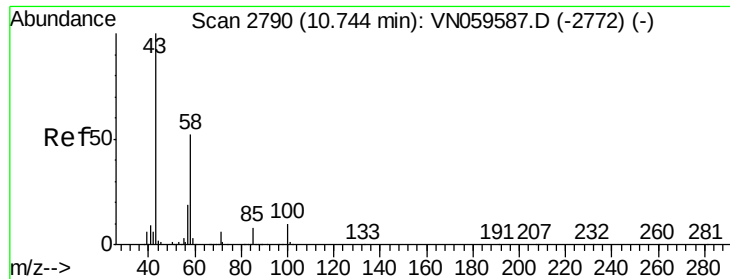
MMDadoda
 12/19/2019 11:11:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.552 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.2	30.2





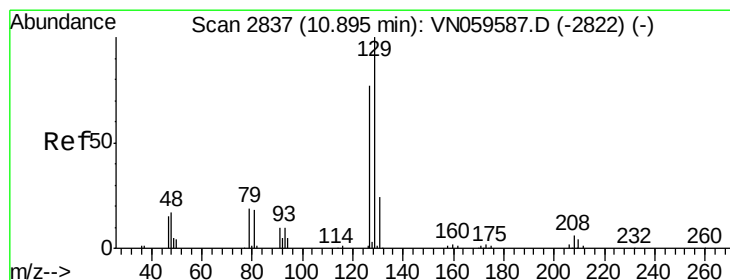
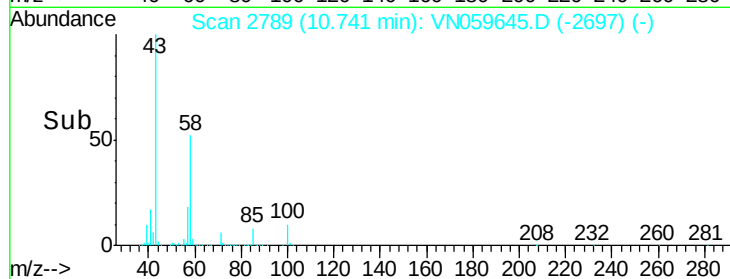
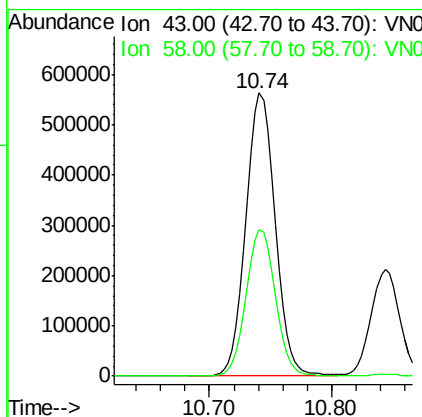
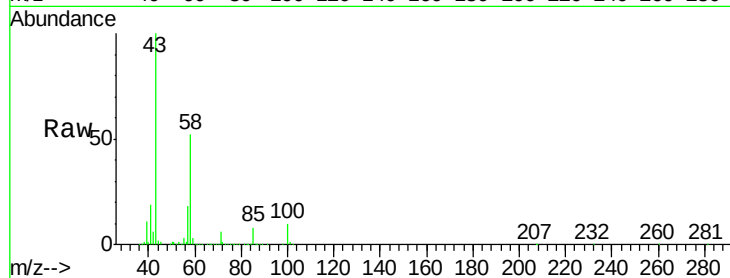
#59
2-Hexanone
Concen: 278.964 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 927745
Ion Ratio Lower Upper
43 100
58 51.8 25.8 77.3

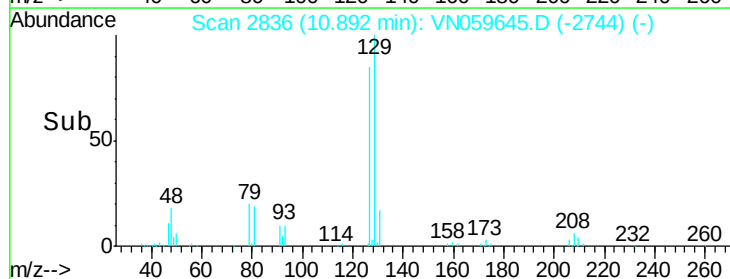
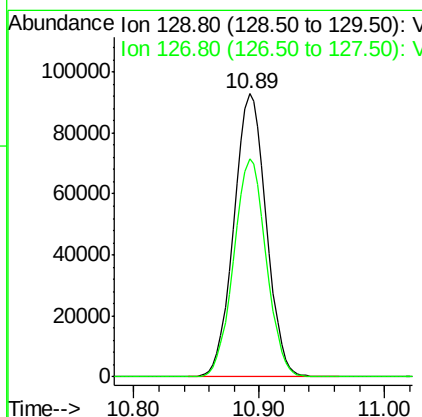
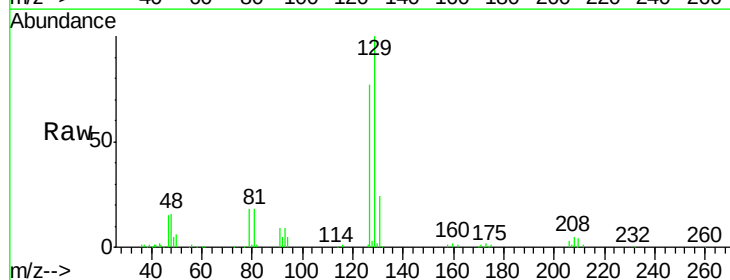
Manual Integrations
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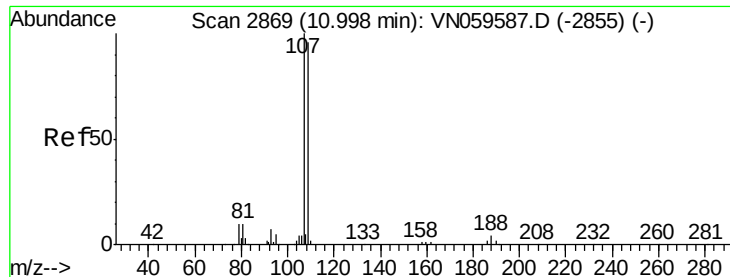
MMDadoda
12/19/2019 11:11:26 AM



#60
Dibromochloromethane
Concen: 55.293 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion: 129 Resp: 166541
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





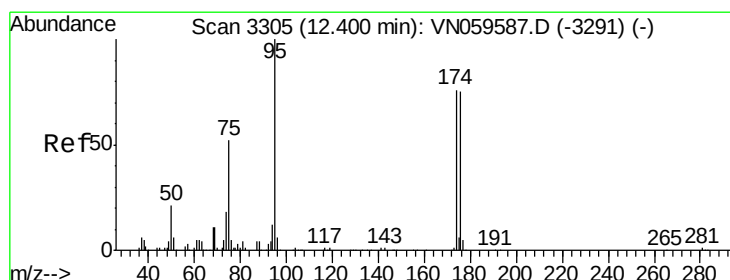
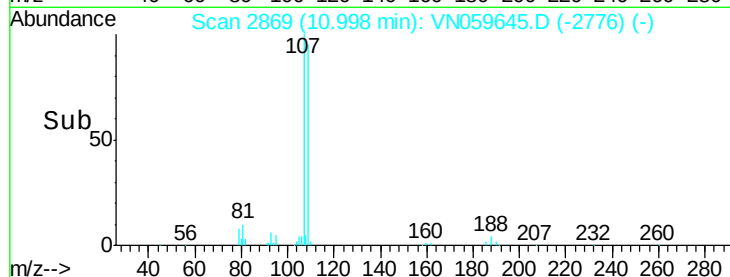
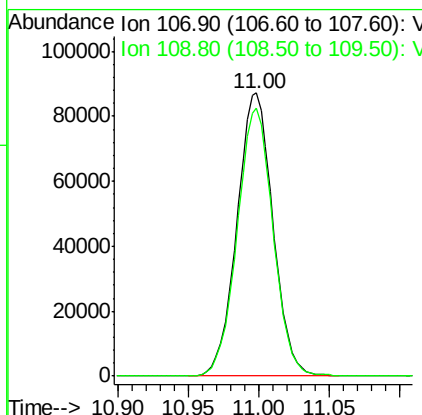
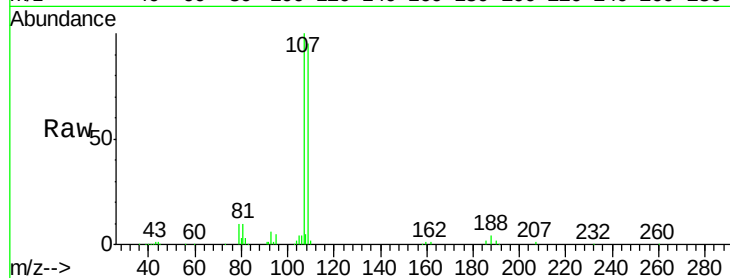
#61
 1,2-Dibromoethane
 Concen: 53.210 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.6	115.0

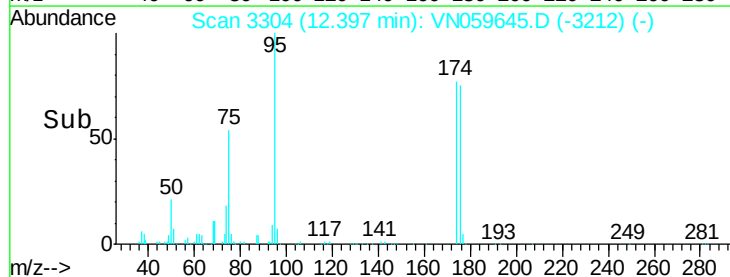
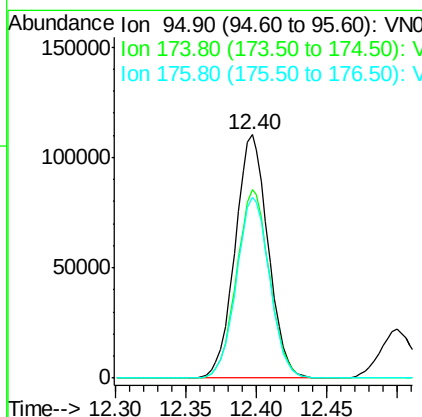
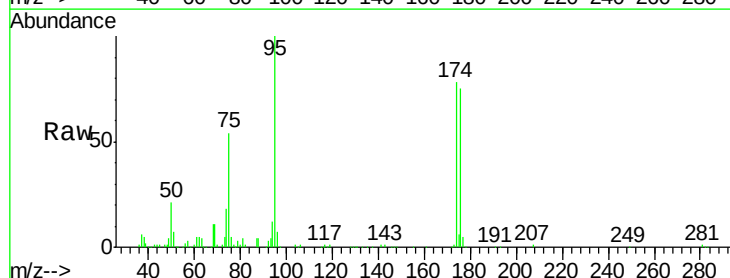
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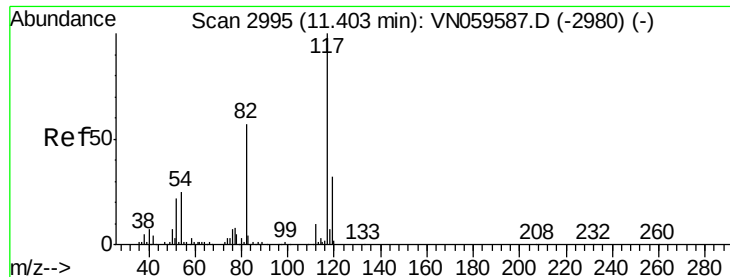
MMDadoda
 12/19/2019 11:11:26 AM



#62
 4-Bromofluorobenzene
 Concen: 53.367 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	151.4
176	74.5	0.0	146.0





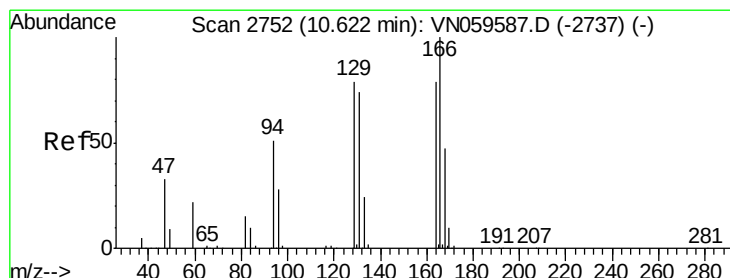
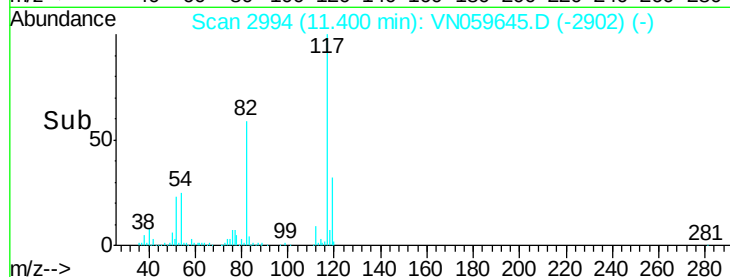
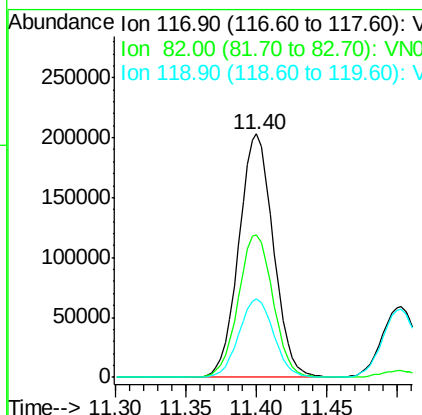
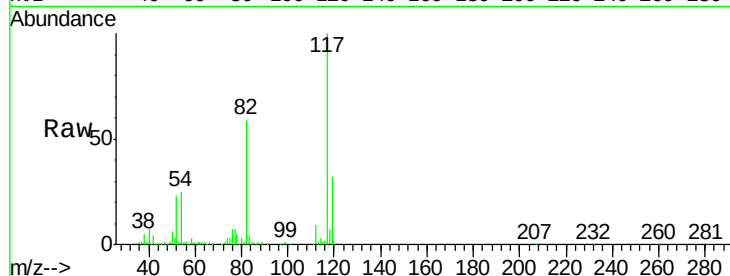
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	348449		
82	58.6	45.9	68.9	
119	32.2	25.5	38.3	

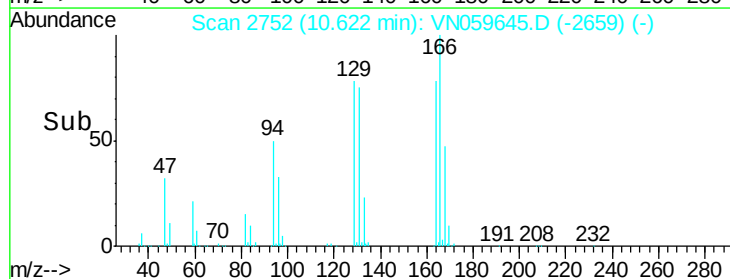
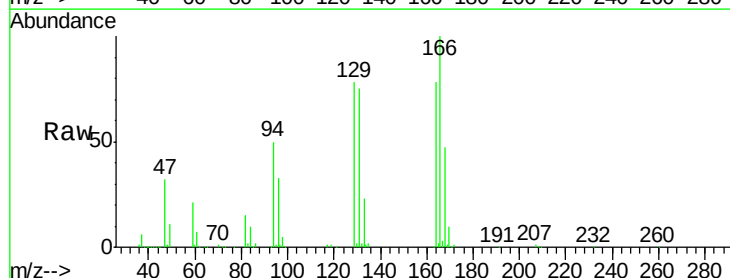
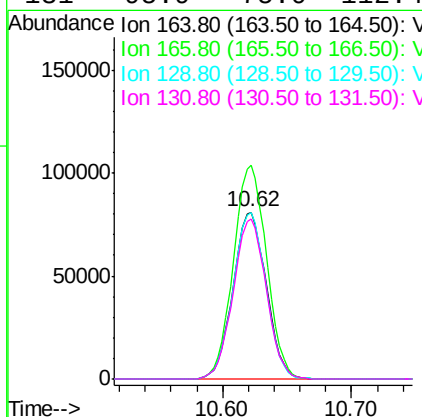
Manual Integrations
APPROVED

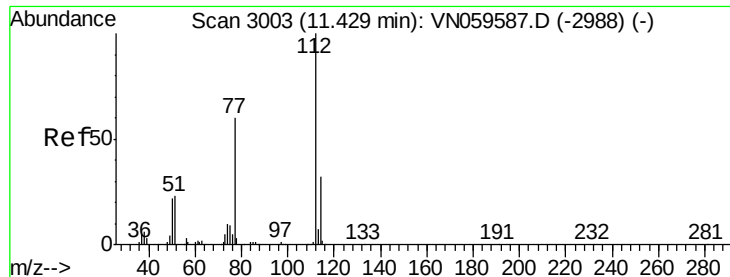
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#64
Tetrachloroethene
Concen: 44.645 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145017		
166	128.0	101.4	152.0	
129	99.8	80.2	120.4	
131	95.9	75.0	112.4	





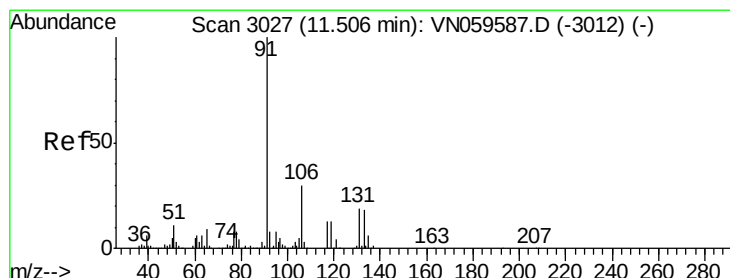
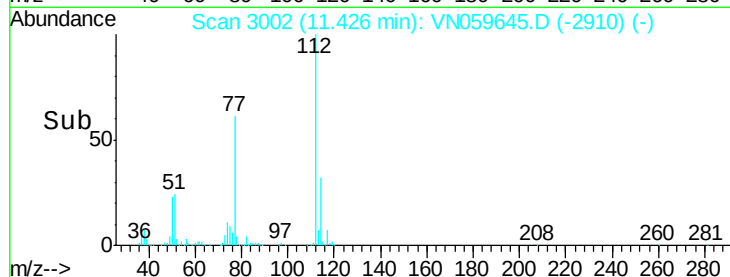
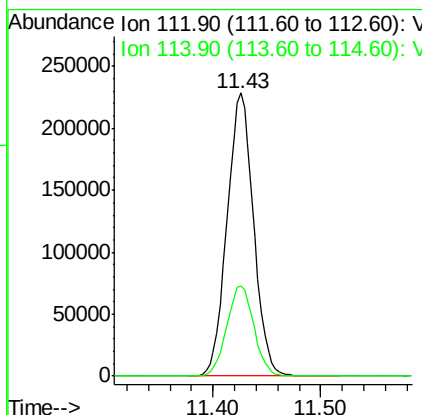
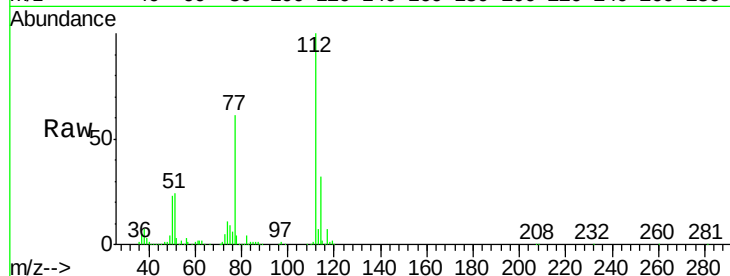
#65
Chlorobenzene
Concen: 51.875 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

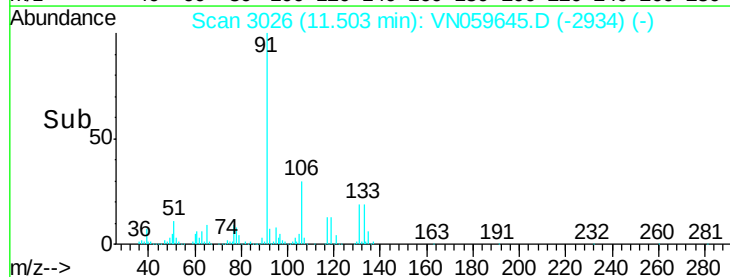
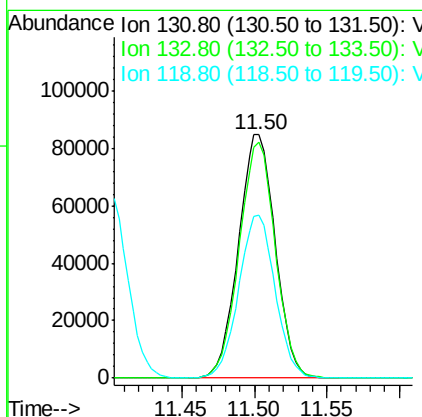
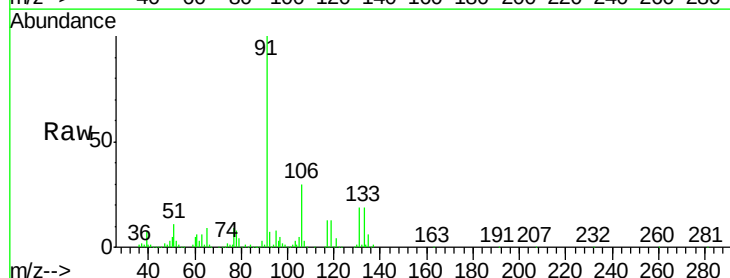
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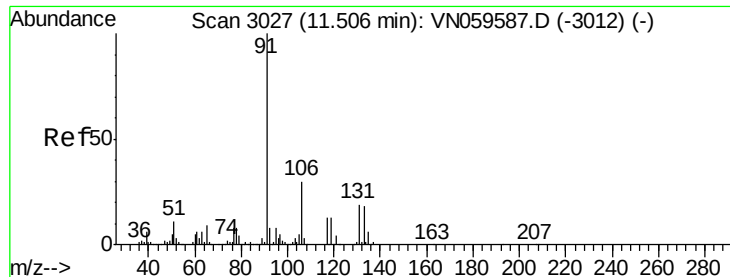
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.194 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.4	142.2
119	66.3	33.1	99.3





#67

Ethyl Benzene

Concen: 53.631 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 729878

Ion Ratio Lower Upper

91 100

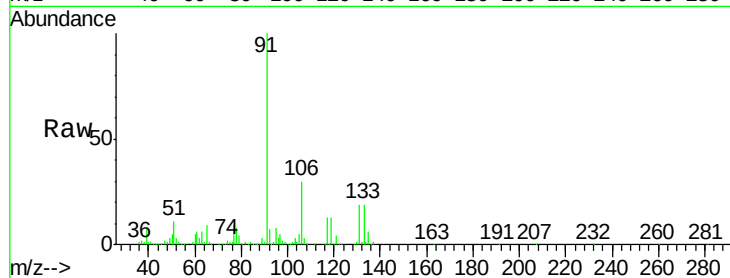
106 29.6 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

600000

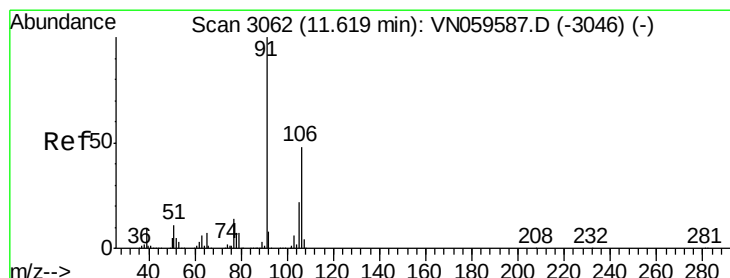
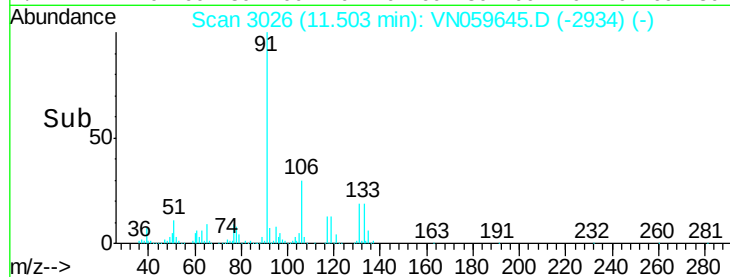
400000

200000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 106.918 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059645.D

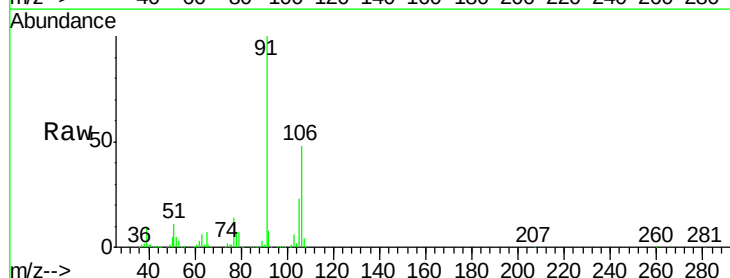
Acq: 18 Dec 2019 11:53

Tgt Ion: 106 Resp: 537311

Ion Ratio Lower Upper

106 100

91 209.6 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

600000

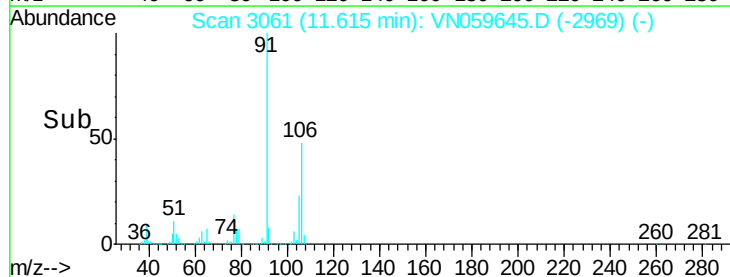
400000

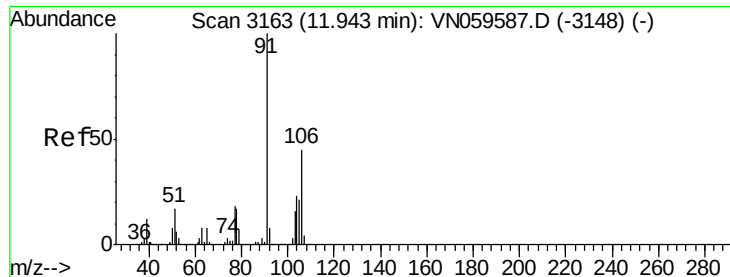
200000

0

11.50 11.60 11.70

Time-->





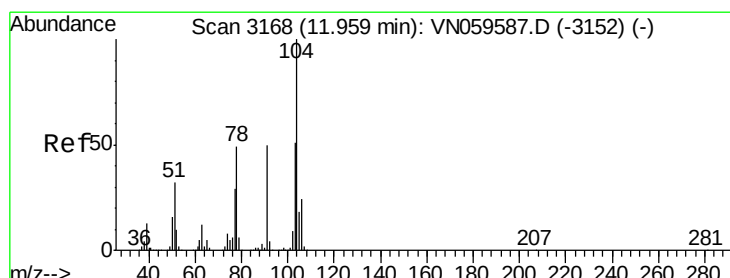
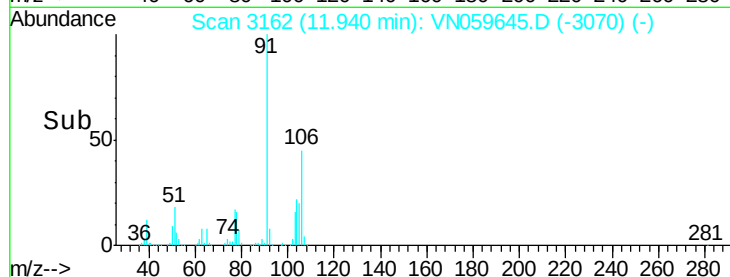
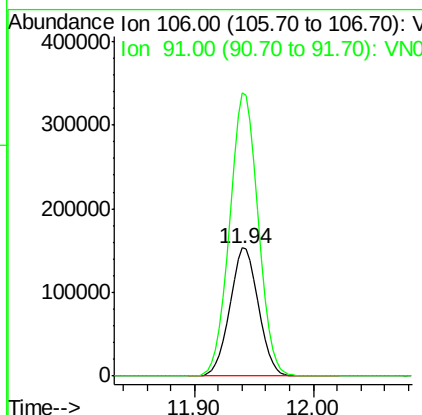
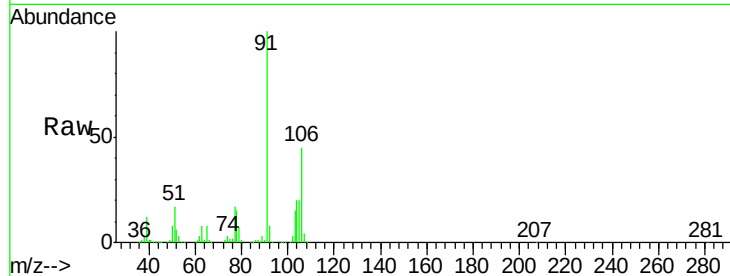
#69
o-Xylene
Concen: 53.216 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		254466		
91	220.8	110.3	330.9		

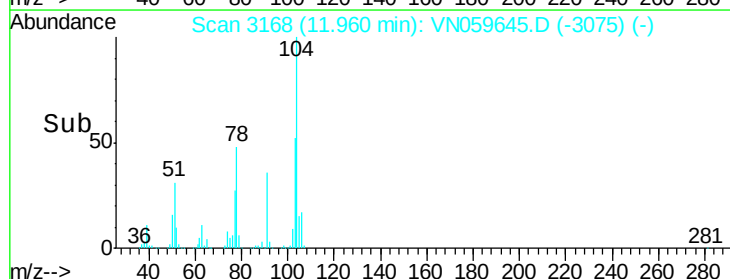
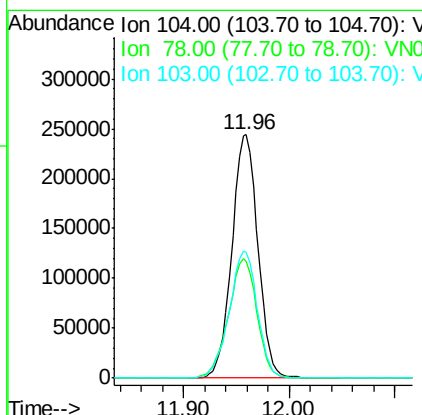
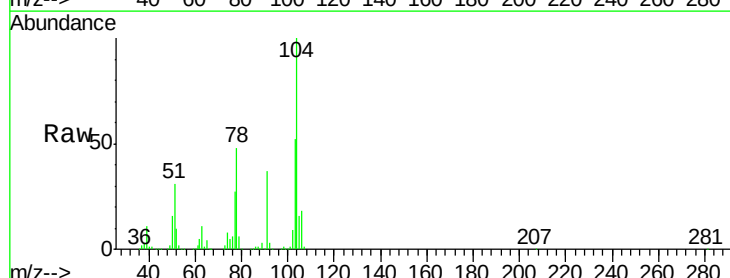
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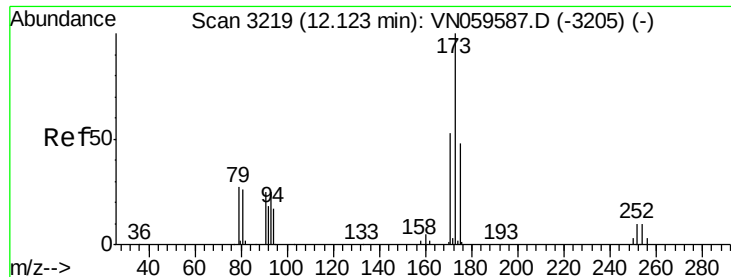
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#70
Styrene
Concen: 54.255 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		416832		
78	53.8	42.4	63.6		
103	56.4	43.9	65.9		





#71

Bromoform

Concen: 55.042 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

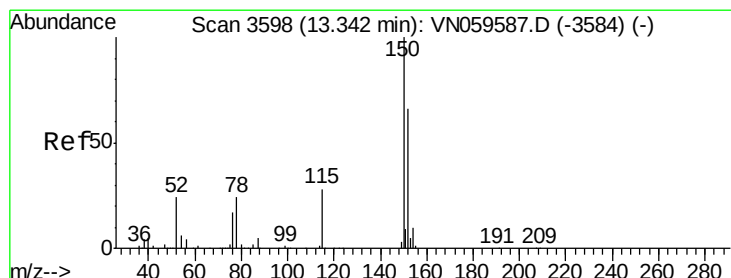
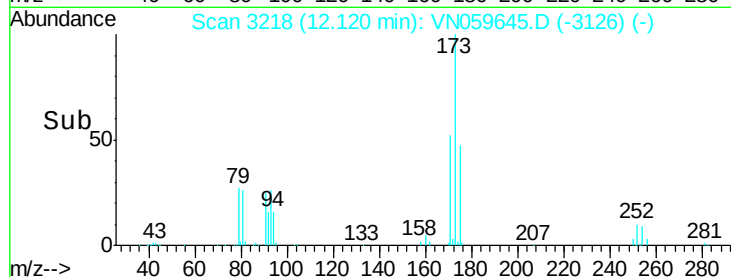
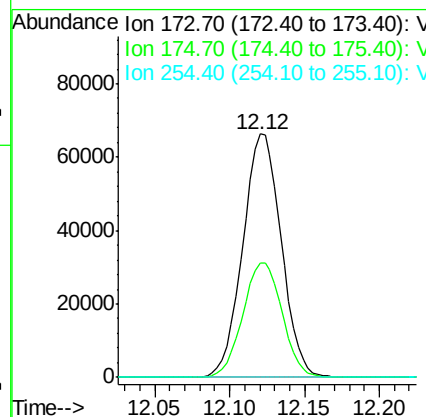
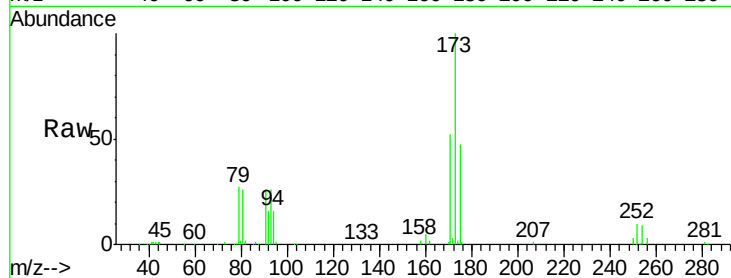
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

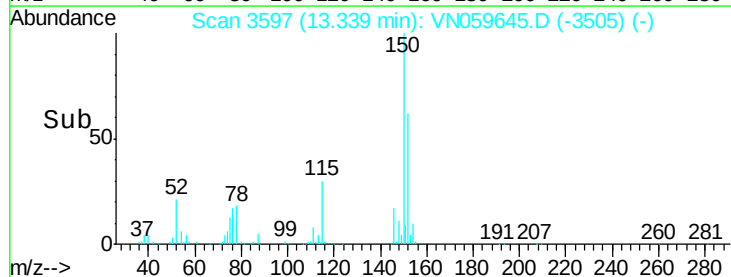
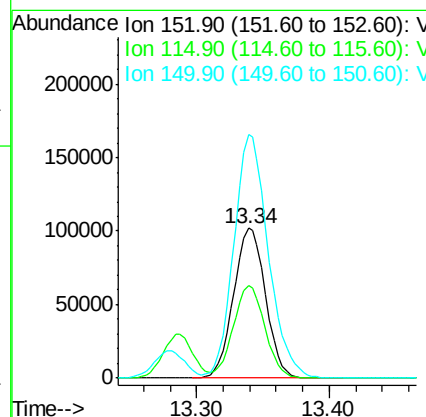
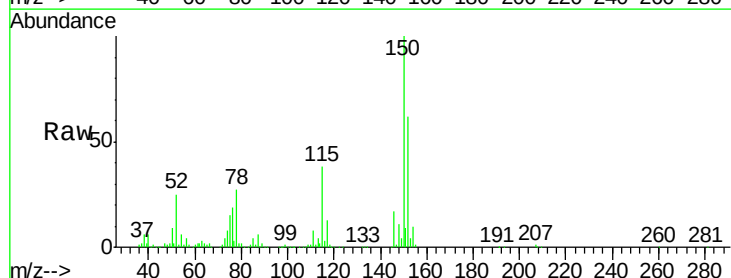
RT: 13.34 min Scan# 3597

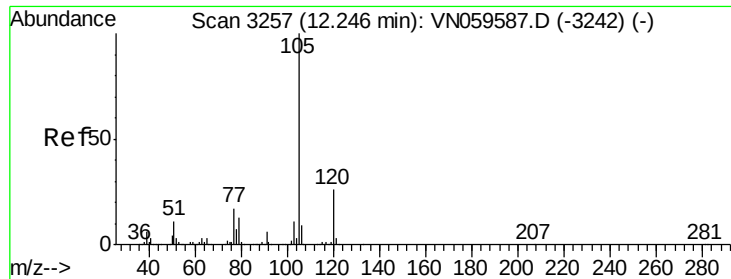
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.3	90.9
150	175.4	0.0	345.2





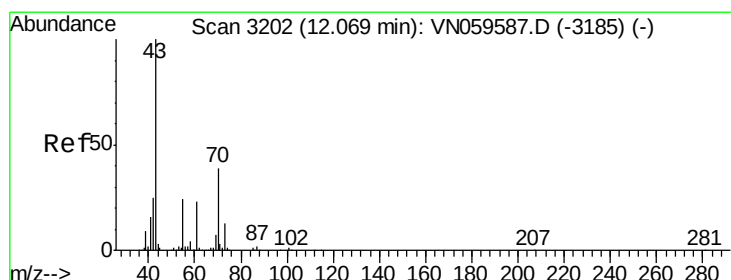
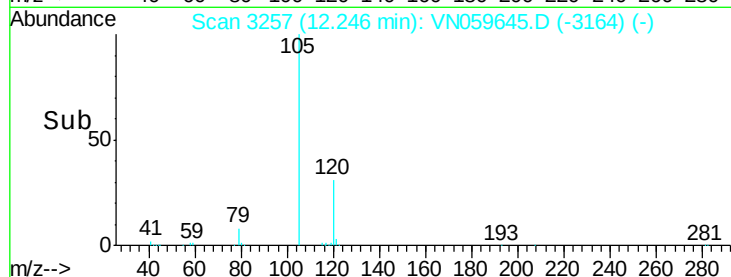
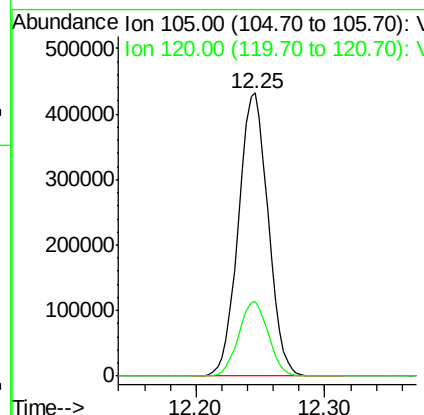
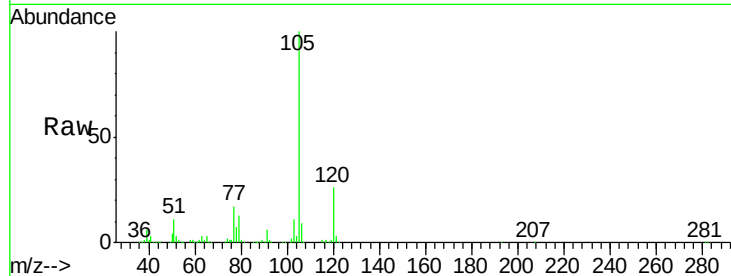
#73
Isopropylbenzene
Concen: 51.787 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

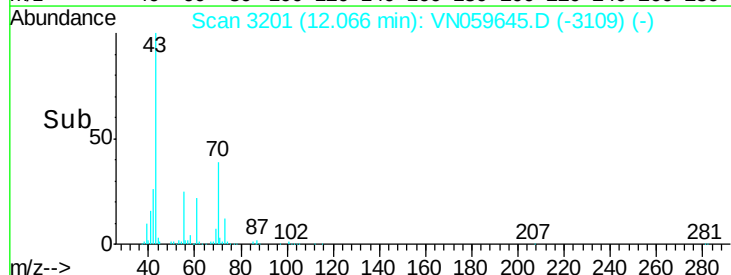
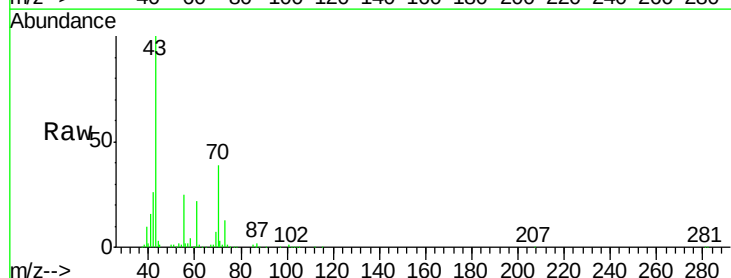
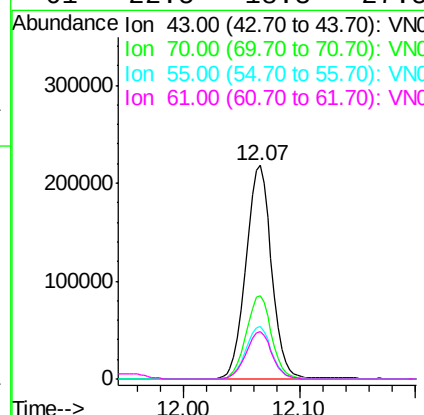
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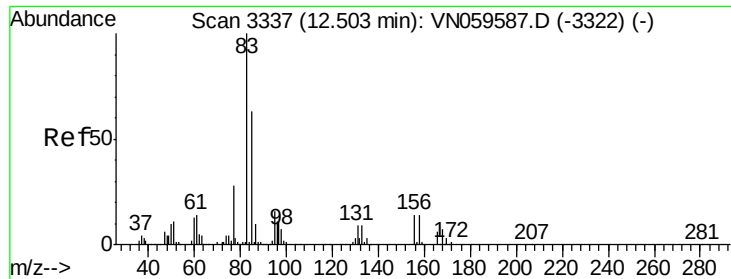
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#74
N-ethyl acetate
Concen: 54.285 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.3	46.9
55	24.9	19.8	29.6
61	22.5	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.115 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

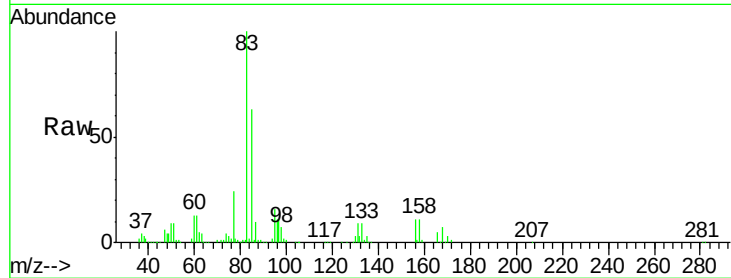
ClientSampleId :

VSTDCCC050

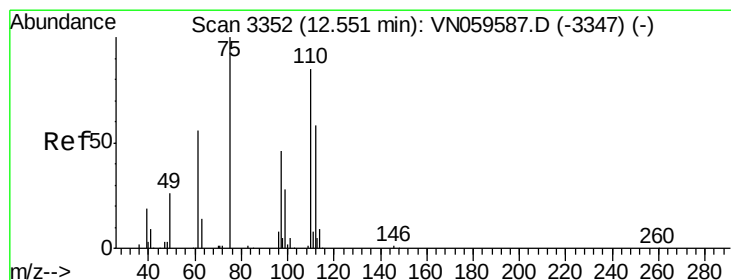
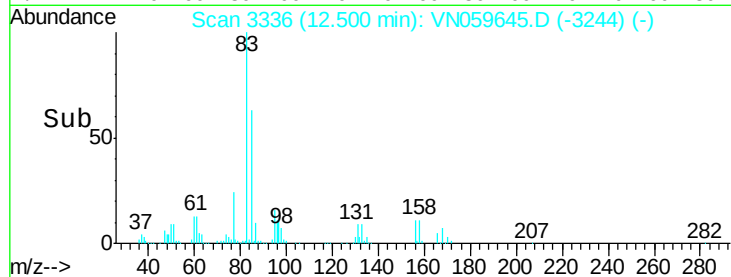
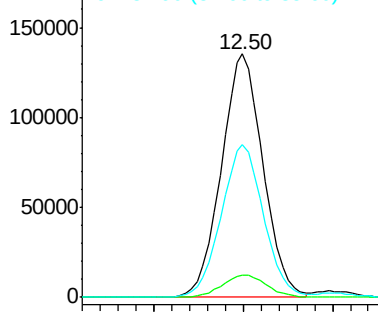
Tot Ion:	83	Resp:	220669
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	63.7	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 52.811 ug/l m

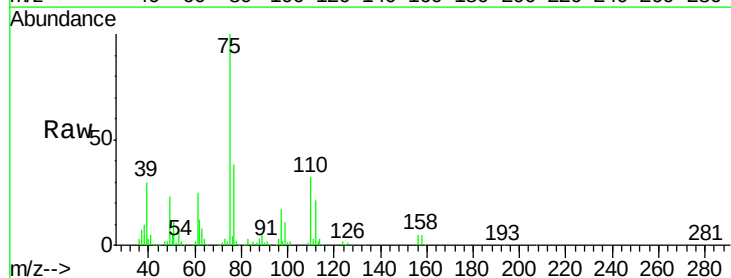
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

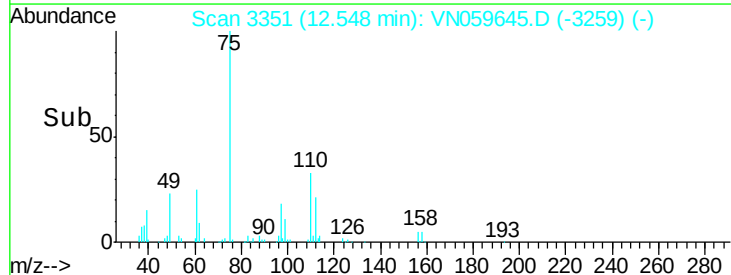
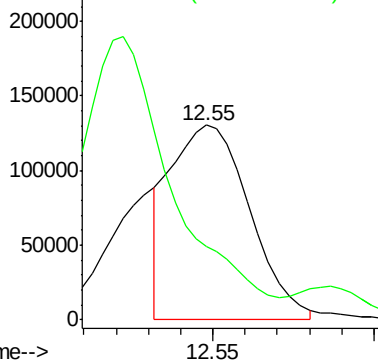
Lab File: VN059645.D

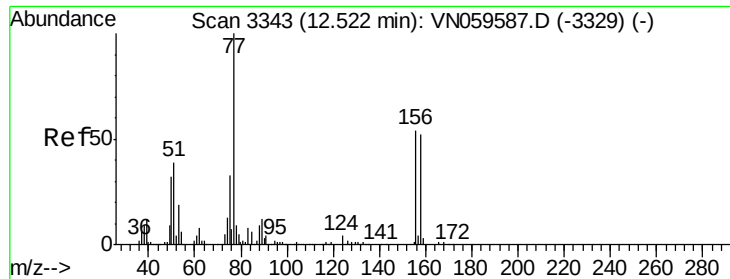
Acq: 18 Dec 2019 11:53

Tgt Ion:	75	Resp:	222307
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)





#77

Bromobenzene

Concen: 50.267 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

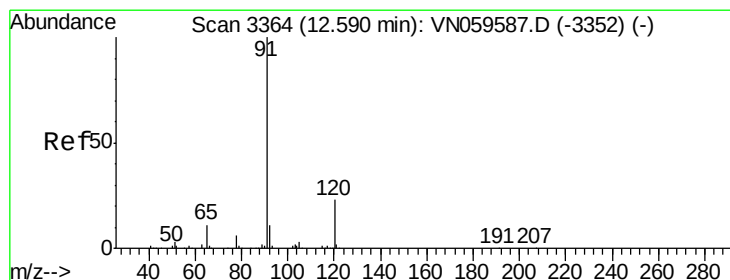
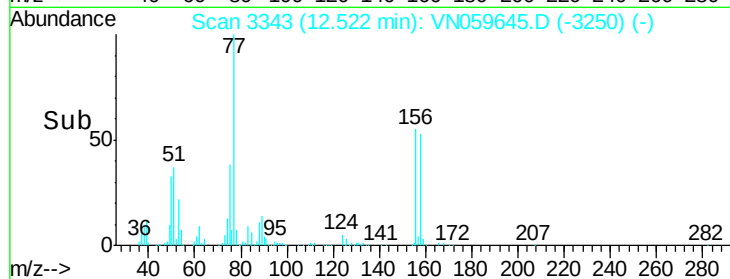
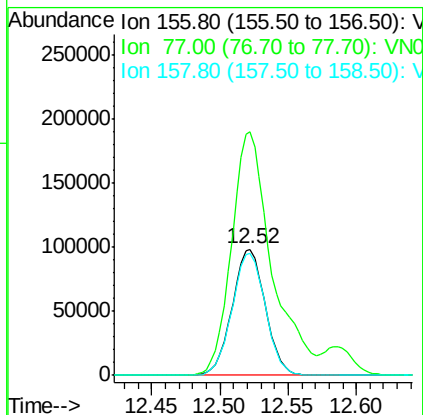
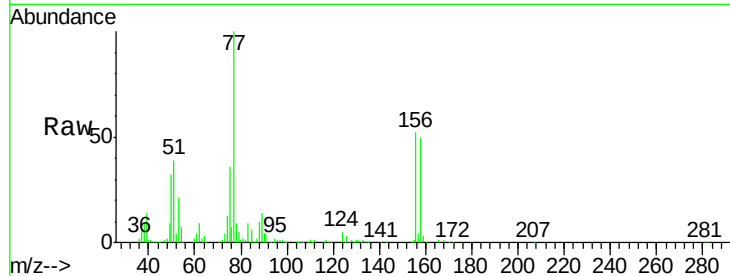
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	165011
Ion Ratio	Lower	Upper	
156	100		
77	235.3	115.8	347.4
158	97.7	49.2	147.6

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#78

n-propylbenzene

Concen: 53.072 ug/l

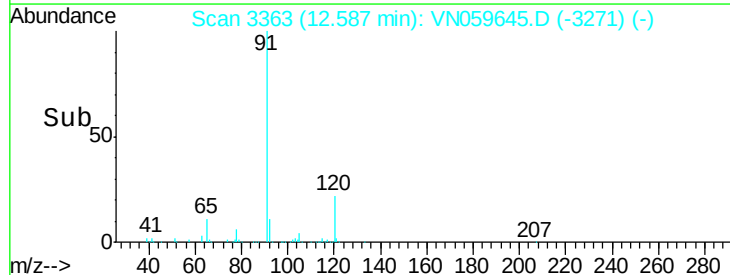
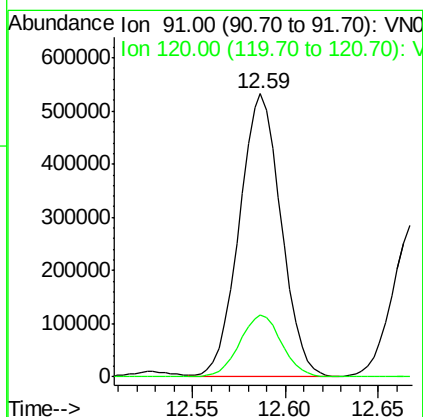
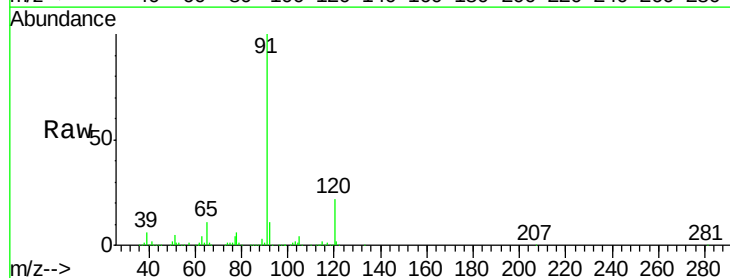
RT: 12.59 min Scan# 3363

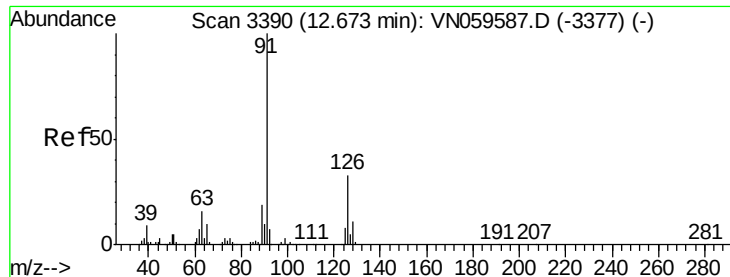
Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	91	Resp:	837424
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.620 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 492518

Ion Ratio Lower Upper

91 100

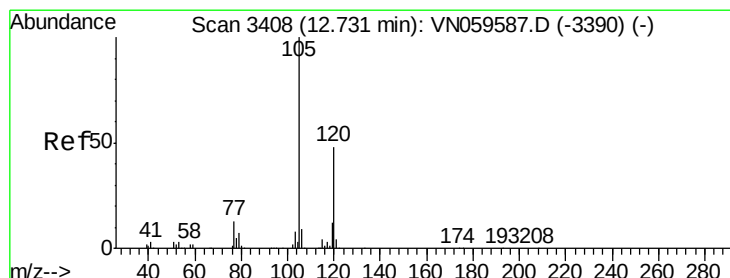
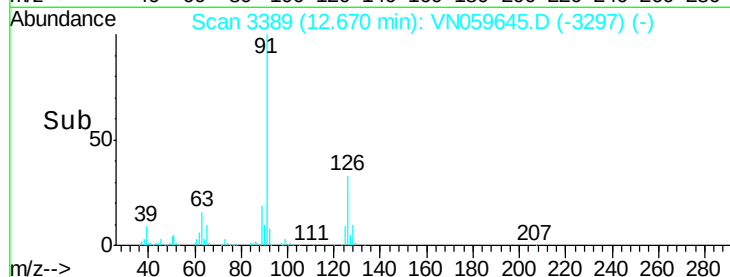
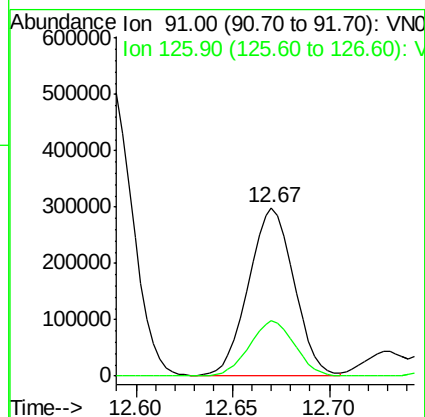
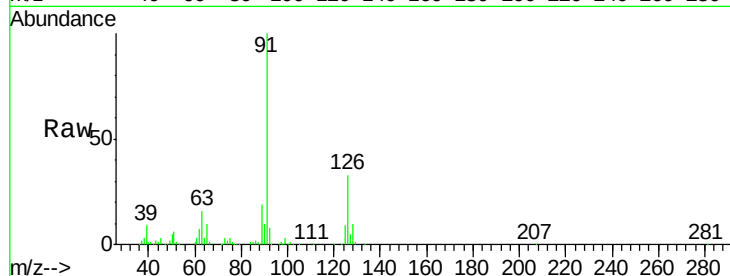
126 32.5 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.237 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059645.D

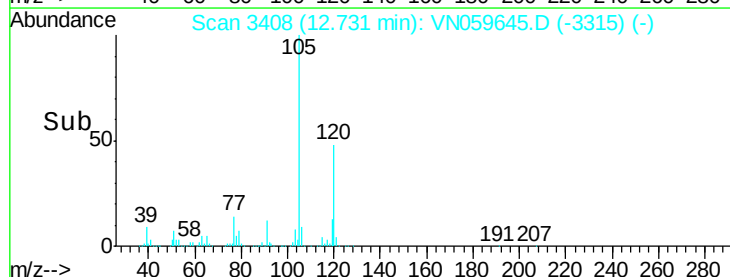
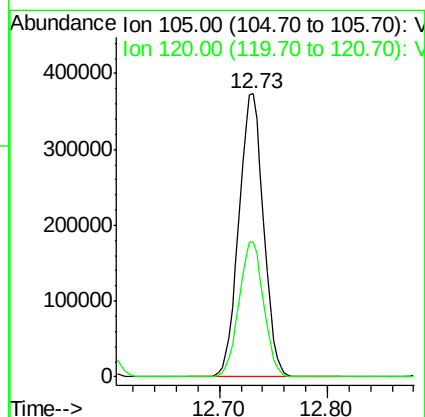
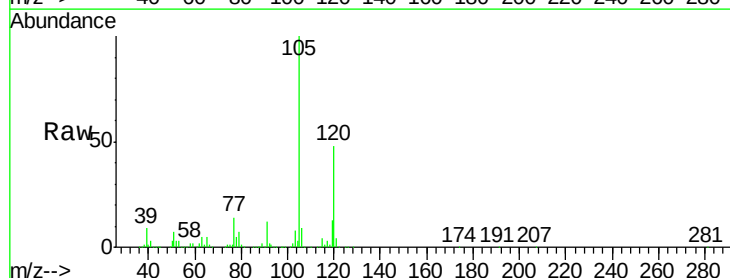
Acq: 18 Dec 2019 11:53

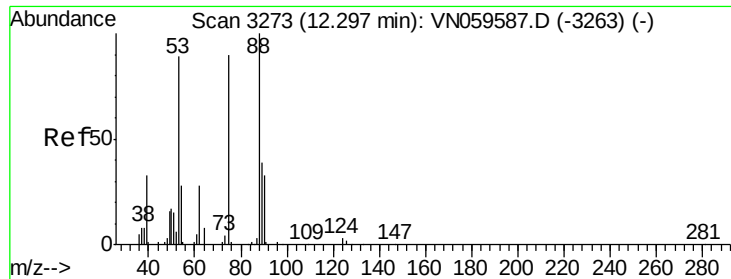
Tgt Ion: 105 Resp: 590069

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4





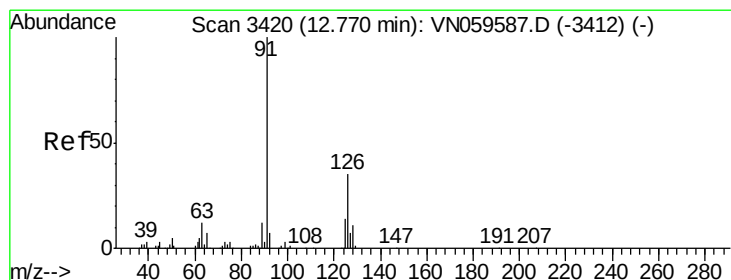
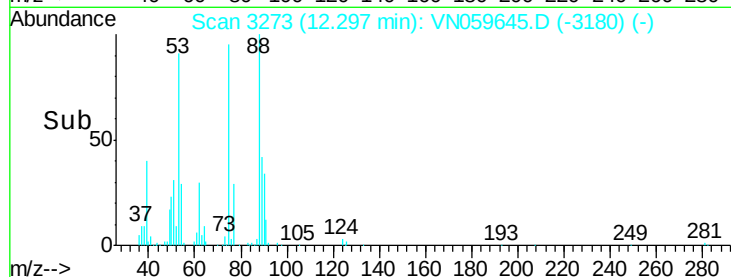
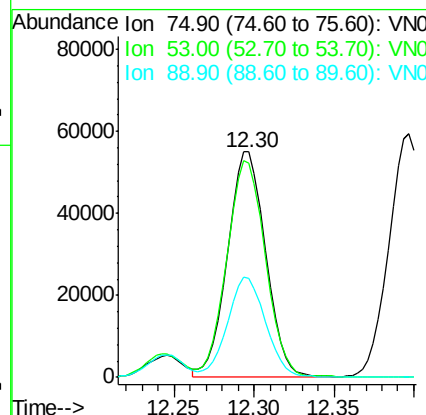
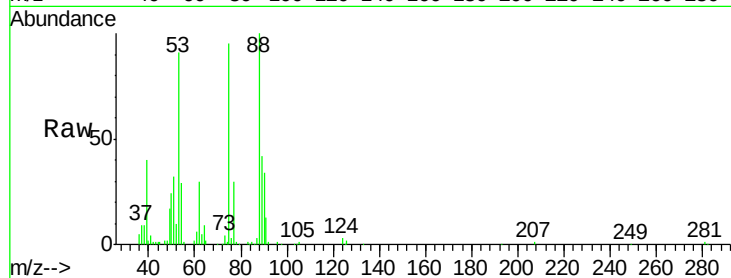
#81
trans-1,4-Dichloro-2-butene
Concen: 52.711 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	78.1	117.1
89	44.3	35.4	53.2

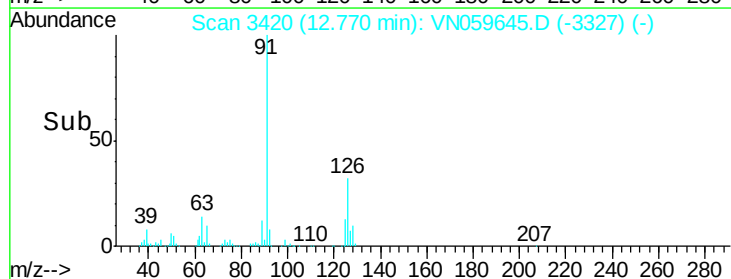
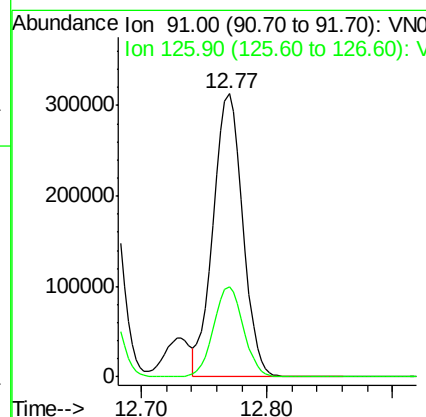
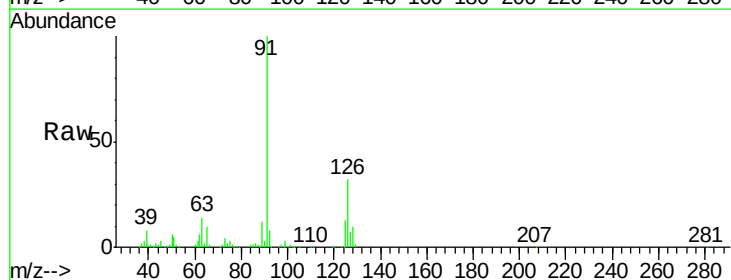
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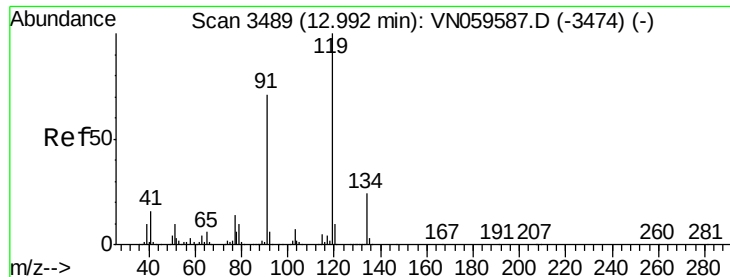
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#82
4-Chlorotoluene
Concen: 52.383 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.3	48.8





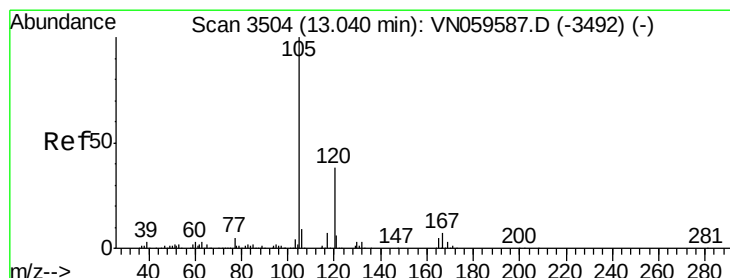
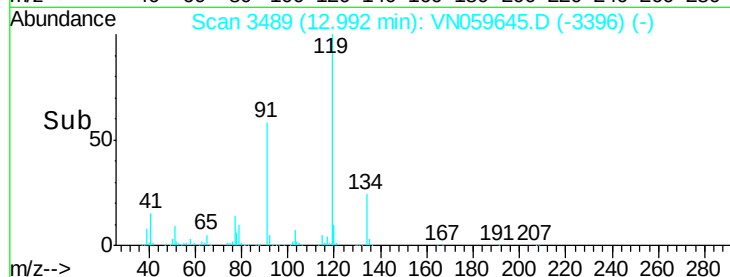
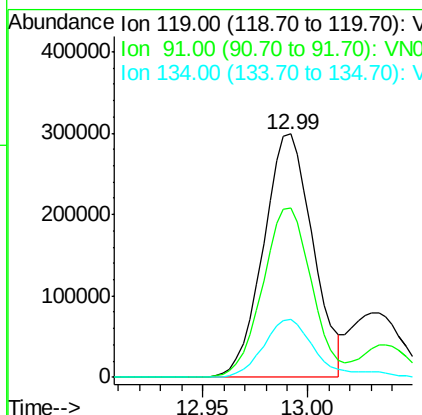
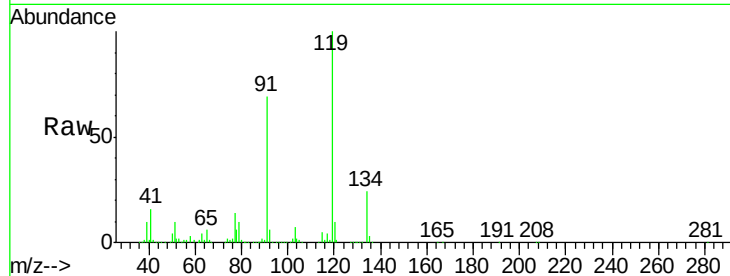
#83
 tert-Butylbenzene
 Concen: 50.974 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.8	104.4
134	25.5	12.3	36.9

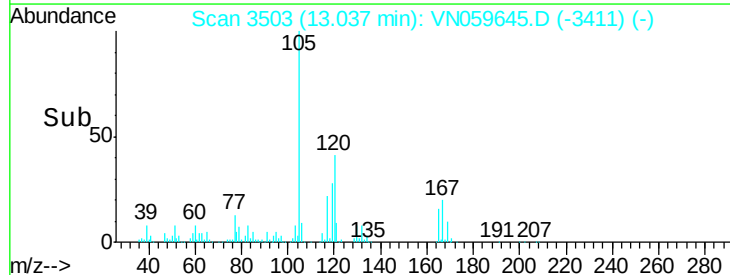
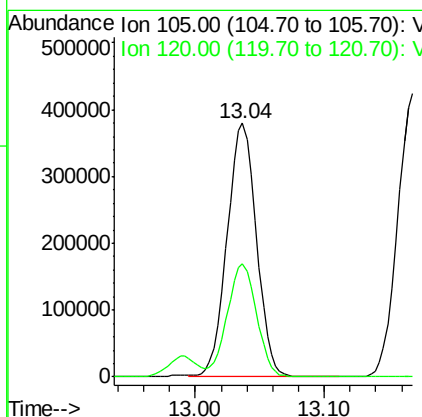
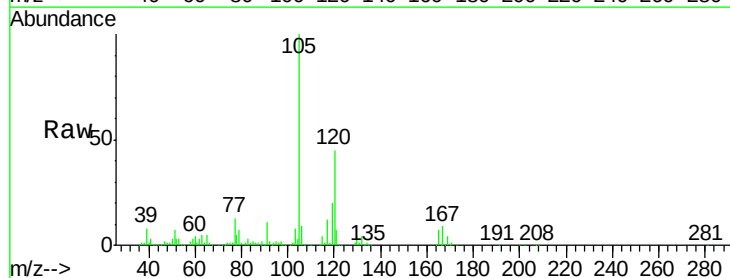
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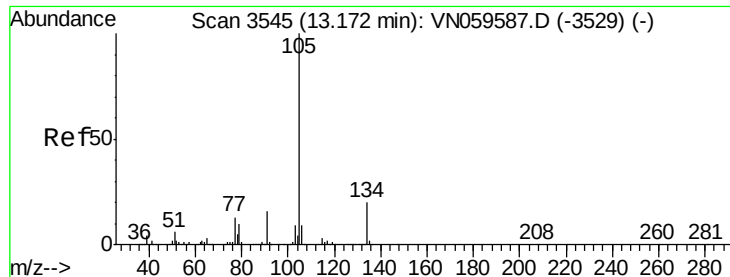
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.195 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.753 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 671285

Ion Ratio Lower Upper

105 100

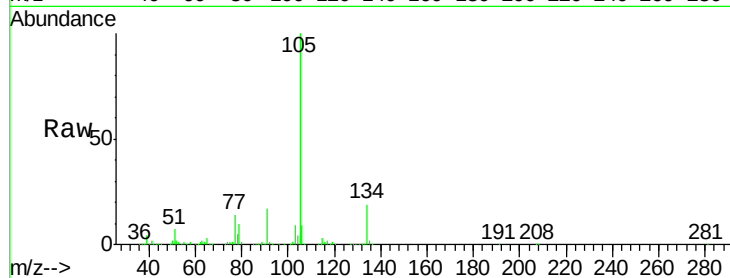
134 19.5 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

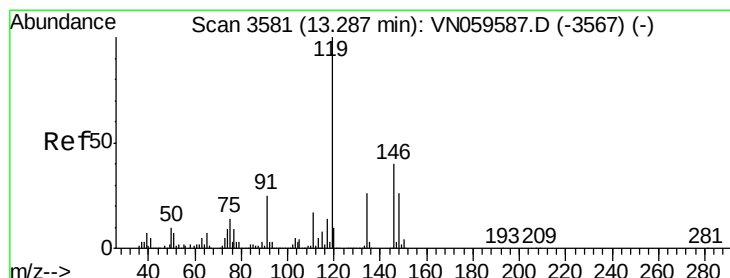
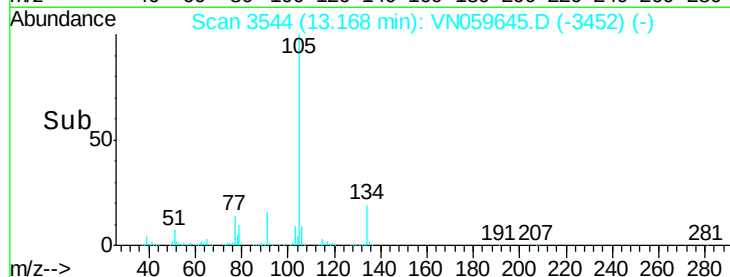
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.312 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

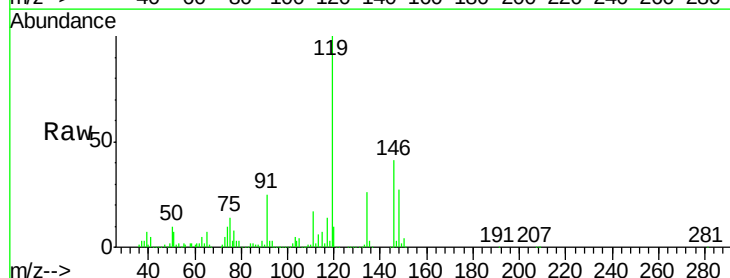
Tgt Ion:119 Resp: 614428

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.4 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

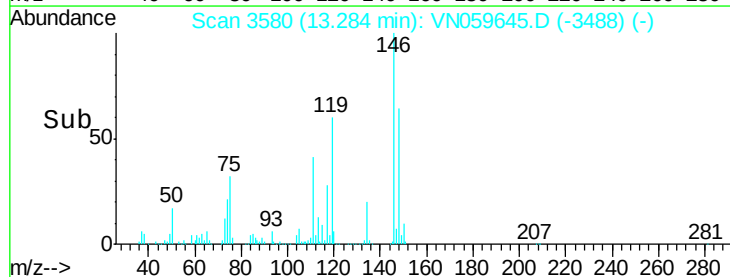
300000

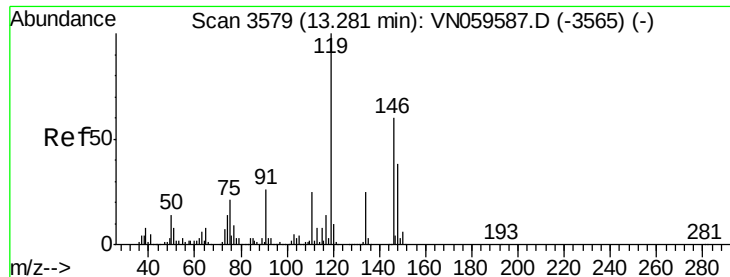
200000

100000

0

Time-->





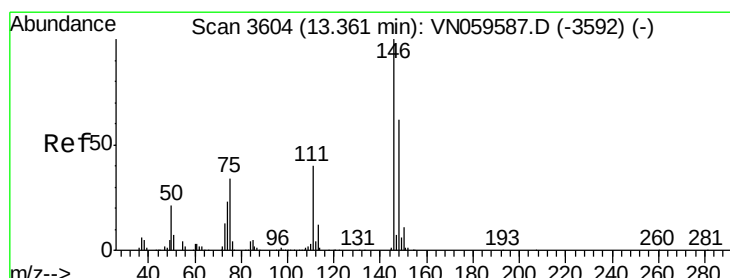
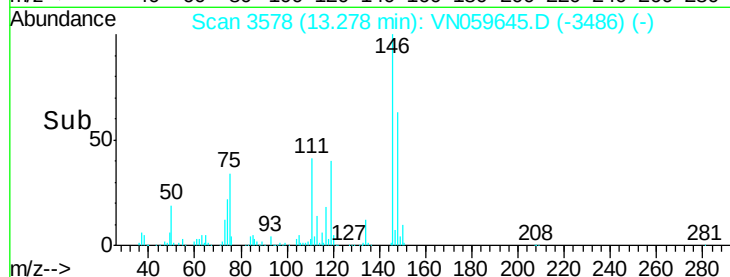
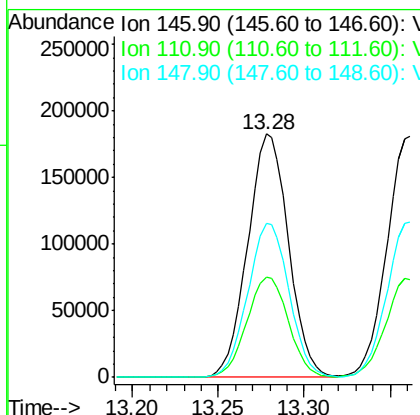
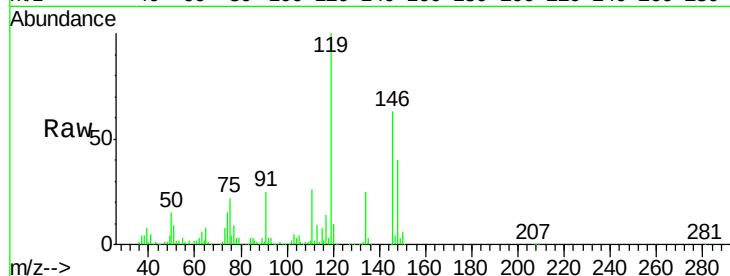
#87
 1,3-Dichlorobenzene
 Concen: 49.893 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	63.9	32.0	96.0

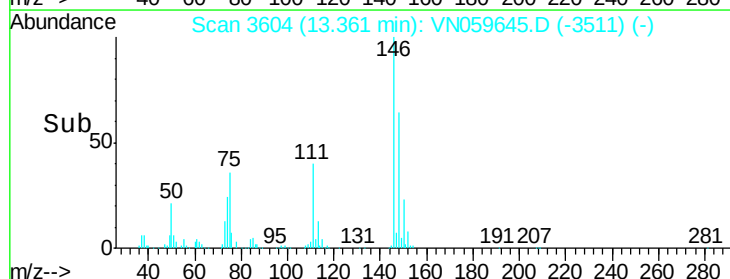
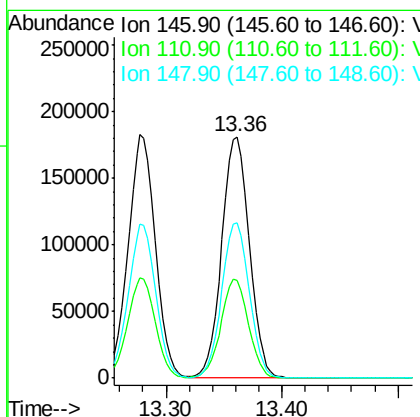
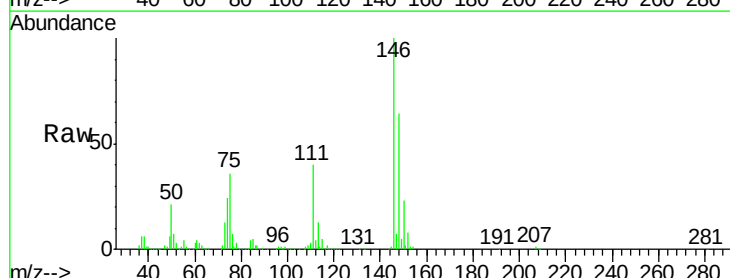
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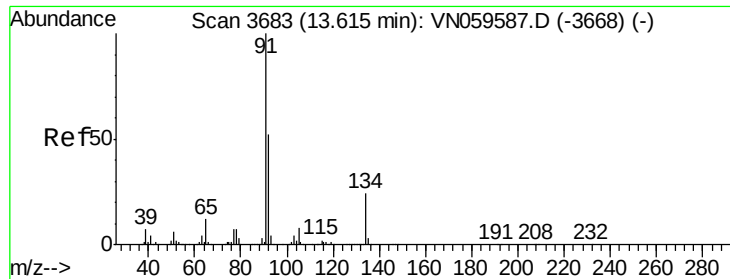
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#88
 1,4-Dichlorobenzene
 Concen: 49.085 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.2
148	64.1	31.8	95.4





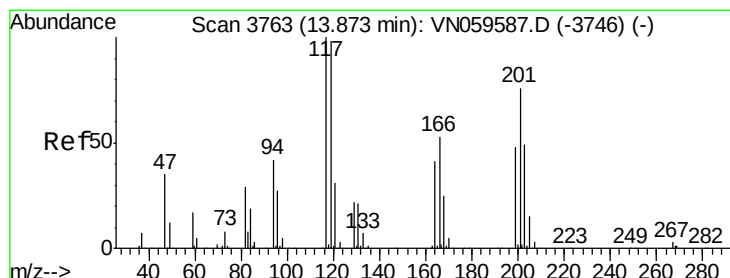
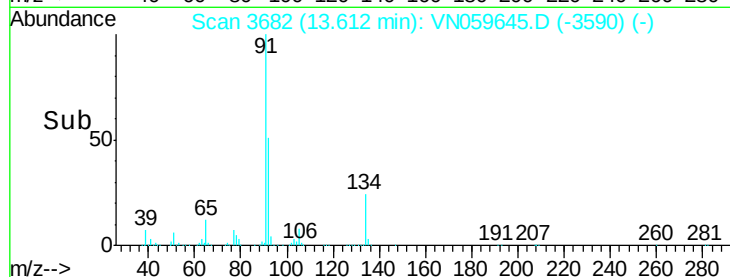
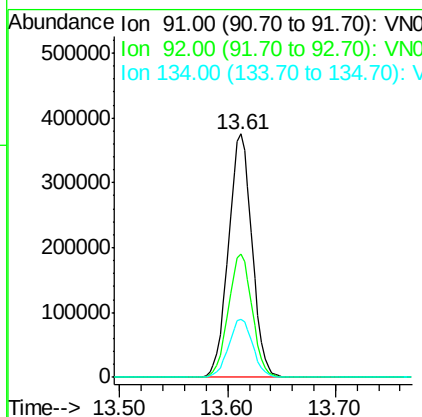
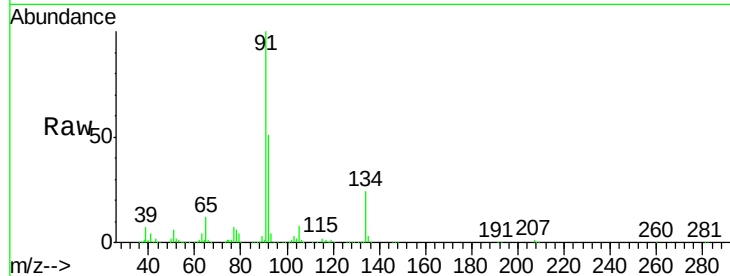
#89
n-Butylbenzene
Concen: 52.828 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	24.2	12.3	36.8

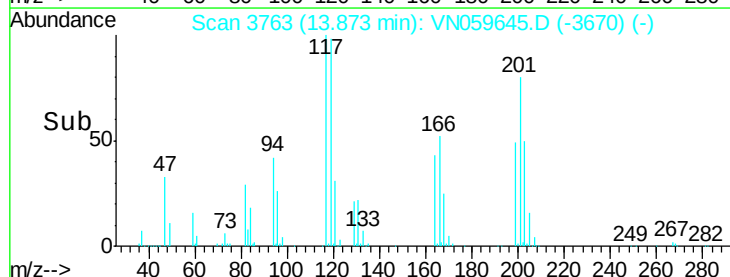
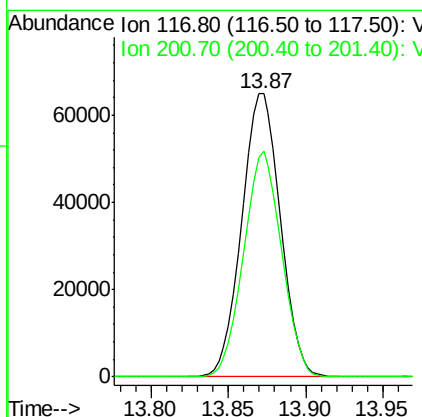
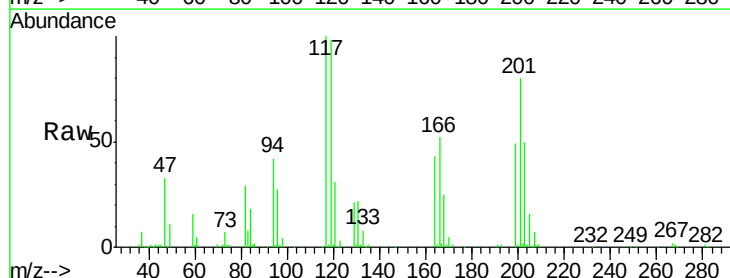
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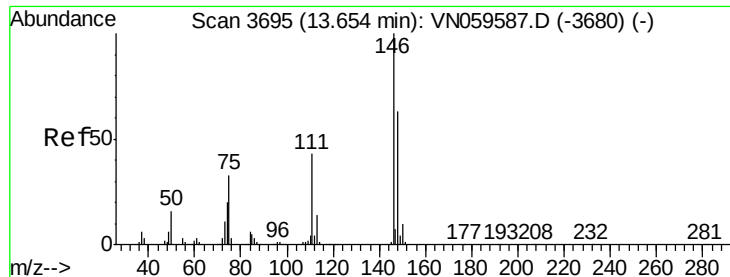
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#90
Hexachloroethane
Concen: 51.981 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 49.596 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Instrument :

MSVOA_N

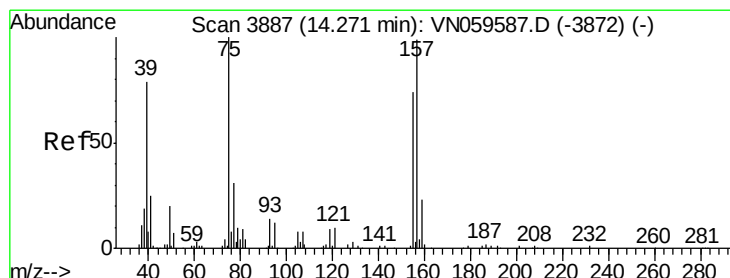
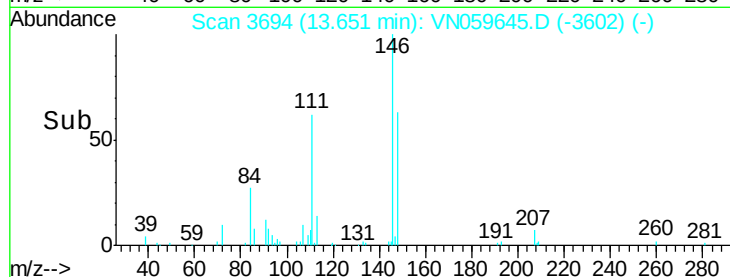
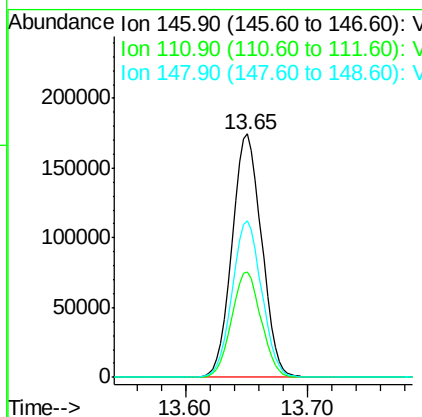
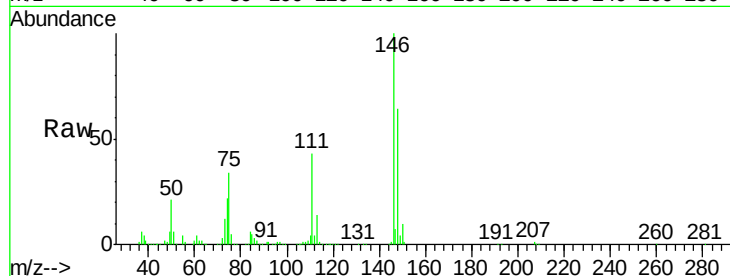
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	295243
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.6	64.8
148	64.1	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.865 ug/l

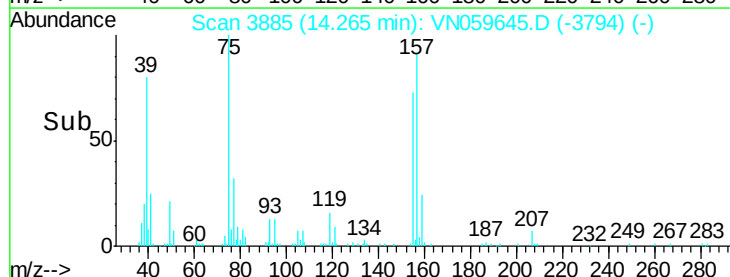
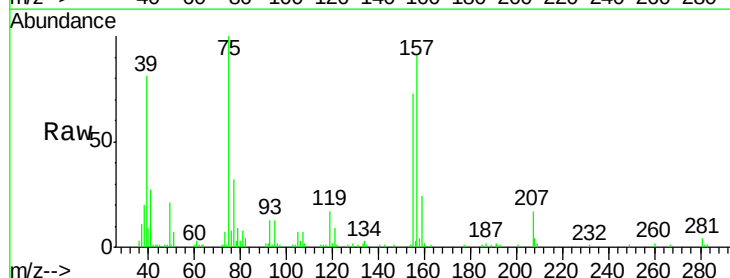
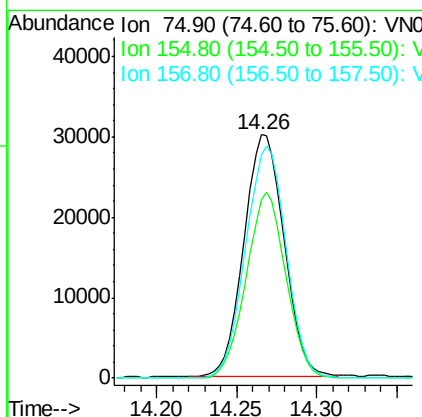
RT: 14.26 min Scan# 3885

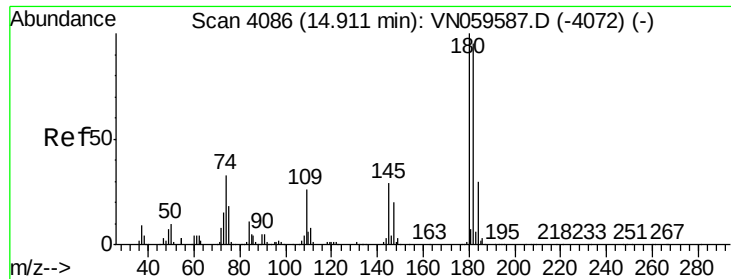
Delta R.T. -0.01 min

Lab File: VN059645.D

Acq: 18 Dec 2019 11:53

Tgt Ion:	75	Resp:	51568
Ion Ratio	Lower	Upper	
75	100		
155	75.9	37.0	110.9
157	96.7	48.4	145.2





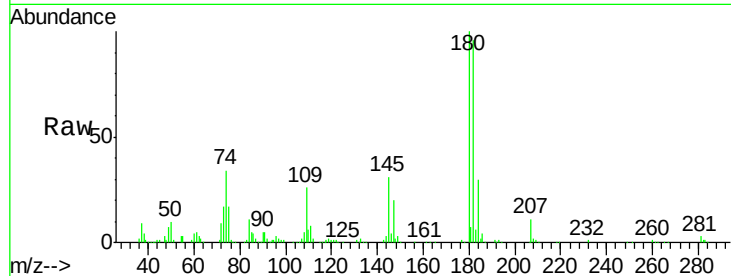
#93
 1,2,4-Trichlorobenzene
 Concen: 47.636 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

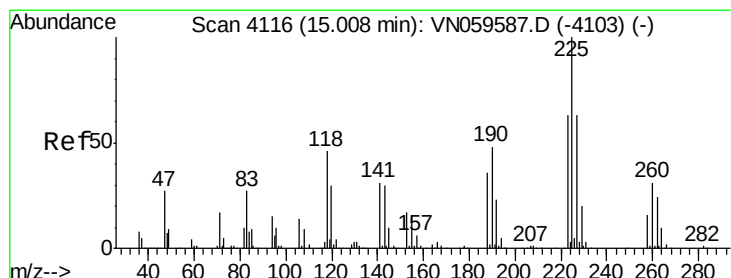
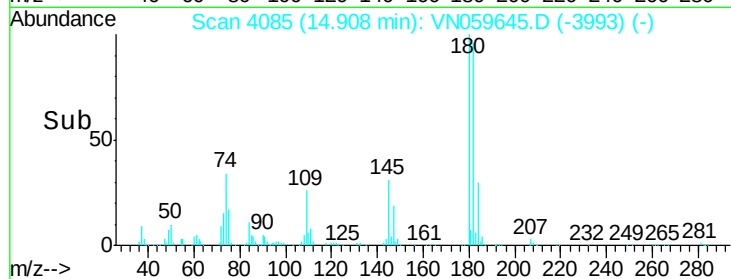
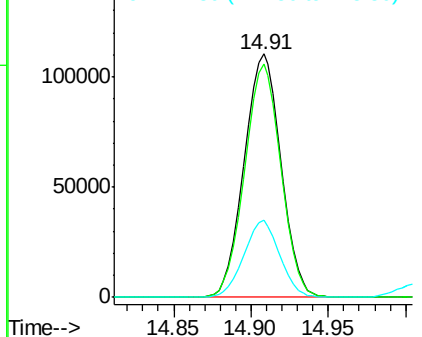
Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.5	46.9	140.7
145	30.9	15.0	45.1

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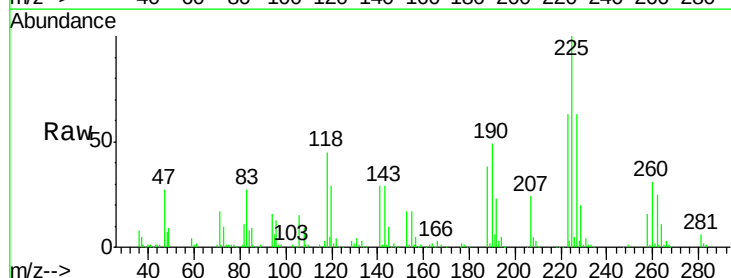


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

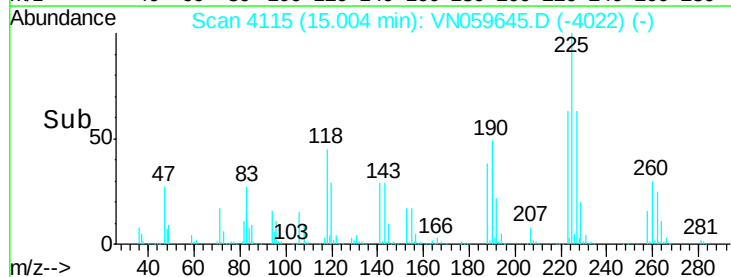
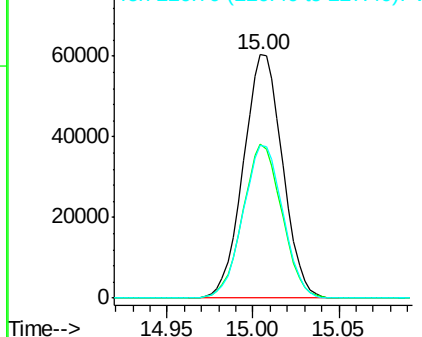


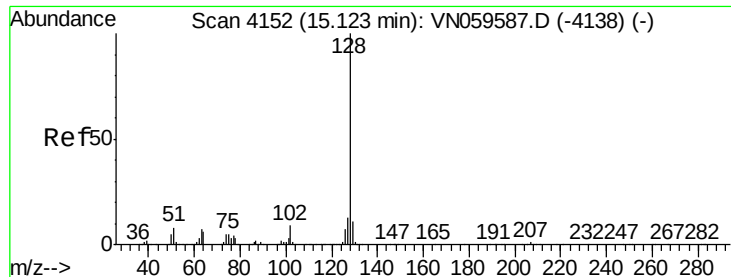
#94
 Hexachlorobutadiene
 Concen: 47.628 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059645.D
 Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.3	31.8	95.3
227	63.6	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





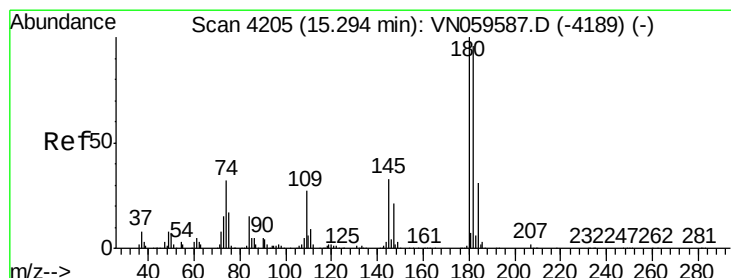
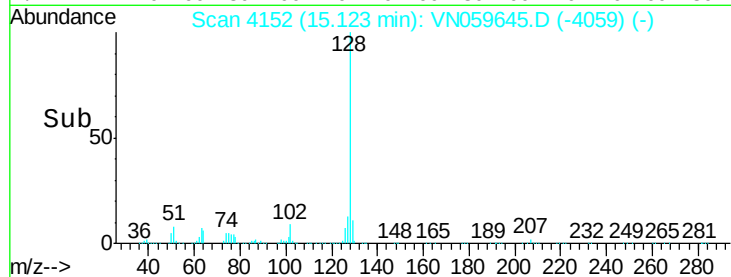
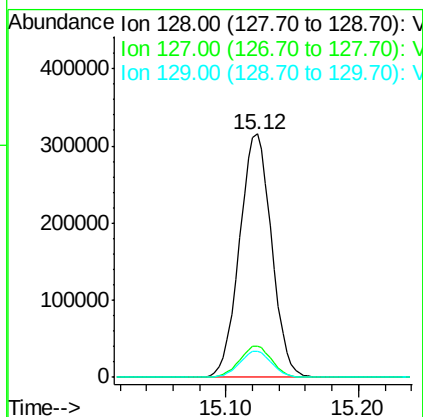
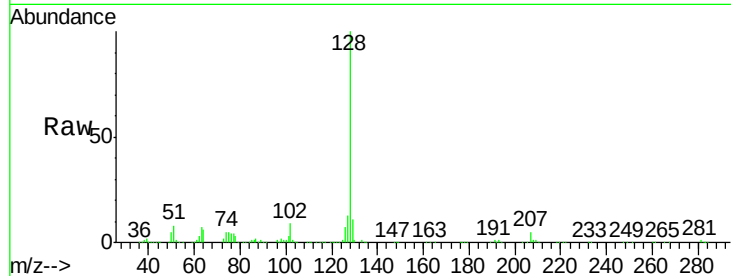
#95
Naphthalene
Concen: 46.104 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.406 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059645.D
Acq: 18 Dec 2019 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	32.3	16.3	48.9

