

Data File : VN057176.D
Acq On : 11 Aug 2019 10:02
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

8/12/2019 3:41:24 PM

Quant Time: Aug 12 06:20:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1196899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1732791	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1539134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	646638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	550099	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	6.98	113	517473	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	9.56	98	1928148	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.92	95	659006	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	428208	44.513	ug/l	99
3) Chloromethane	2.00	50	504642	39.481	ug/l	100
4) Vinyl Chloride	2.11	62	524889	44.180	ug/l	99
5) Bromomethane	2.43	94	371417	46.010	ug/l	99
6) Chloroethane	2.55	64	351340	46.104	ug/l	98
7) Trichlorofluoromethane	2.82	101	795080	46.558	ug/l	99
8) Diethyl Ether	3.14	74	310383	47.042	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	495559	47.868	ug/l	99
10) Methyl Iodide	3.63	142	787261	50.323	ug/l	99
11) Tert butyl alcohol	4.24	59	360577	205.849	ug/l	98
12) 1,1-Dichloroethene	3.43	96	485256	47.647	ug/l	100
13) Acrolein	3.31	56	167148	150.838	ug/l	99
14) Allyl chloride	3.91	41	765327	51.709	ug/l	94
15) Acrylonitrile	4.44	53	1060525	223.705	ug/l	99
16) Acetone	3.47	43	1097632	295.269	ug/l	99
17) Carbon Disulfide	3.72	76	1247501	46.043	ug/l	98
18) Methyl Acetate	3.89	43	496141	44.726	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1493299	48.568	ug/l	96
20) Methylene Chloride	4.10	84	558484	45.522	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	520225	46.891	ug/l	98
22) Diisopropyl ether	5.31	45	1521737	47.137	ug/l	99
23) Vinyl Acetate	5.26	43	5944765	240.470	ug/l	100
24) 1,1-Dichloroethane	5.25	63	931107	46.917	ug/l	98
25) 2-Butanone	6.20	43	1430289	251.828	ug/l	98
26) 2,2-Dichloropropane	6.21	77	772737	53.519	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	604742	47.581	ug/l	99
28) Bromochloromethane	6.58	49	431098	47.226	ug/l	98
29) Tetrahydrofuran	6.60	42	845818	221.069	ug/l	99
30) Chloroform	6.75	83	953001	46.396	ug/l	99
31) Cyclohexane	7.06	56	791484	44.329	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	826225	47.950	ug/l	99
36) 1,1-Dichloropropene	7.20	75	715096	50.122	ug/l	99
37) Ethyl Acetate	6.28	43	535667	45.545	ug/l #	99
38) Carbon Tetrachloride	7.18	117	733473	49.330	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	855920	49.333	ug/l	96
40) Benzene	7.46	78	2159595	47.815	ug/l	99
41) Methacrylonitrile	6.54	41	296903	49.699	ug/l	98
42) 1,2-Dichloroethane	7.54	62	682632	47.391	ug/l	99
43) Isopropyl Acetate	7.56	43	929457	46.310	ug/l	99
44) Trichloroethene	8.27	130	631937	49.942	ug/l	99
45) 1,2-Dichloropropane	8.56	63	574663	49.140	ug/l	99
46) Dibromomethane	8.65	93	365435	48.735	ug/l	98
47) Bromodichloromethane	8.85	83	737691	50.844	ug/l	99
48) Methyl methacrylate	8.63	41	428476	45.274	ug/l	98
49) 1,4-Dioxane	8.64	88	186151	965.760	ug/l	99
51) 4-Methyl-2-Pentanone	9.45	43	2665785	228.221	ug/l	99
52) Toluene	9.63	92	1372648	48.962	ug/l	100
53) t-1,3-Dichloropropene	9.85	75	786016	51.858	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	897799	51.620	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	525600	47.676	ug/l	99
56) Ethyl methacrylate	9.90	69	752597	48.756	ug/l	99
57) 1,3-Dichloropropane	10.19	76	861362	47.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	962186	161.240	ug/l	99
59) 2-Hexanone	10.24	43	1947972	246.410	ug/l	100
60) Dibromochloromethane	10.39	129	599460	51.774	ug/l	99
61) 1,2-Dibromoethane	10.50	107	543429	47.769	ug/l	100
64) Tetrachloroethene	10.11	164	625647	48.878	ug/l	98
65) Chlorobenzene	10.93	112	1517840	49.012	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	578315	49.950	ug/l	100
67) Ethyl Benzene	11.01	91	2657262	49.855	ug/l	99
68) m/p-Xylenes	11.12	106	2014959	102.616	ug/l	99
69) o-Xylene	11.46	106	978237	50.057	ug/l	98
70) Styrene	11.47	104	1622281	53.147	ug/l	99
71) Bromoform	11.64	173	440881	51.984	ug/l	98
73) Isopropylbenzene	11.76	105	2641669	50.166	ug/l	99
74) N-amyl acetate	11.58	43	724574	44.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	693524	49.106	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	595380m	46.997	ug/l	
77) Bromobenzene	12.04	156	685042	44.075	ug/l	98
78) n-propylbenzene	12.11	91	2821673	45.485	ug/l	100
79) 2-Chlorotoluene	12.19	91	1713433	49.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2226131	44.592	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	209393	47.613	ug/l	97
82) 4-Chlorotoluene	12.30	91	1654064	46.049	ug/l	99
83) tert-Butylbenzene	12.52	119	1963854	49.898	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2132913	44.202	ug/l	99
85) sec-Butylbenzene	12.70	105	2480961	44.037	ug/l	99
86) p-Isopropyltoluene	12.82	119	2230728	45.124	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1094287	49.454	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1035472	49.390	ug/l	99
89) n-Butylbenzene	13.15	91	1649712	48.302	ug/l	100
90) Hexachloroethane	13.41	117	394827	50.248	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	1061421	48.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	92884	40.862	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
Quantitation Report (QT Reviewed)

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VSTDCCC050

Manual Integrations
APPROVED

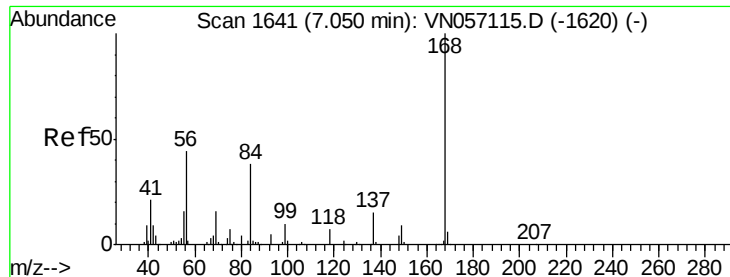
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8/12/2019 3:41:24 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	433536	46.705	ug/l	99
94) Hexachlorobutadiene	14.55	225	440070	57.643	ug/l	100
95) Naphthalene	14.67	128	708277	39.740	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	367113	39.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion:168 Resp: 1196899

Ion Ratio Lower Upper

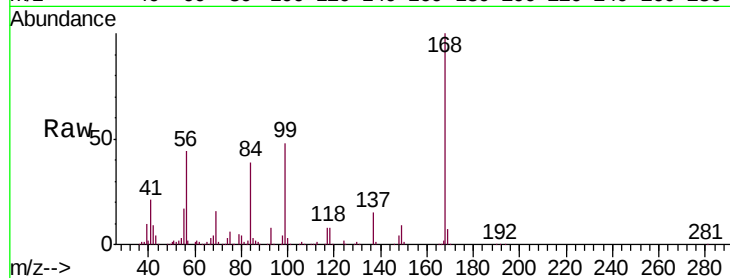
168 100

99 48.3 38.6 57.8

Manual Integrations
APPROVED

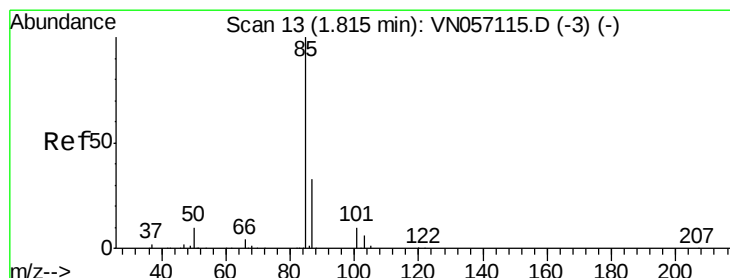
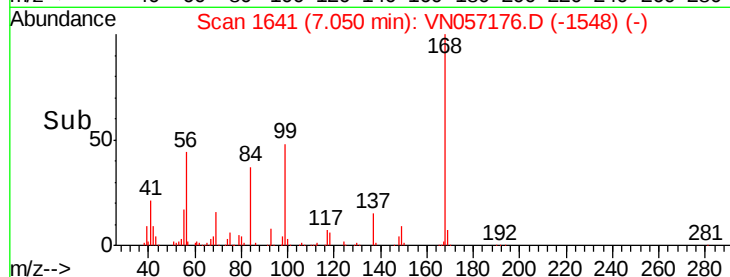
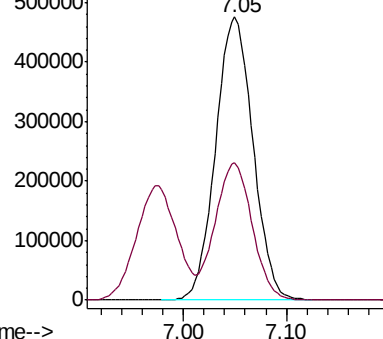
MMDadoda

8/12/2019 3:41:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.513 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057176.D

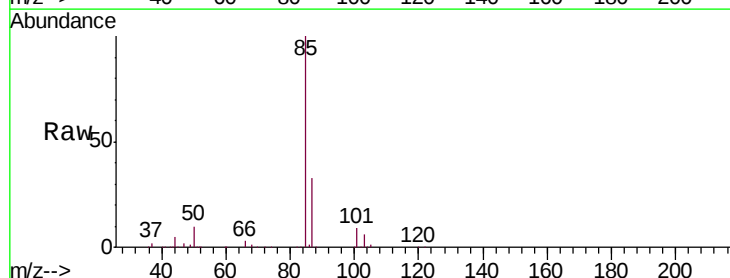
Acq: 11 Aug 2019 10:02

Tgt Ion: 85 Resp: 428208

Ion Ratio Lower Upper

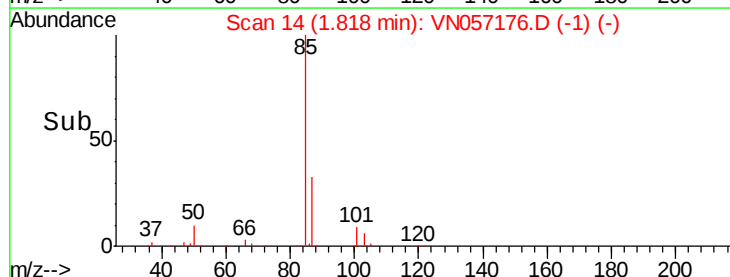
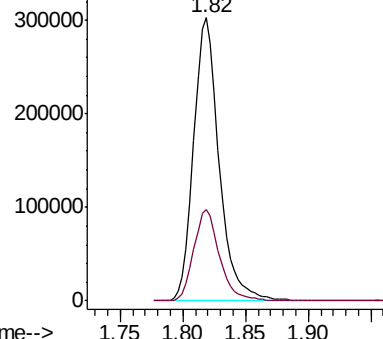
85 100

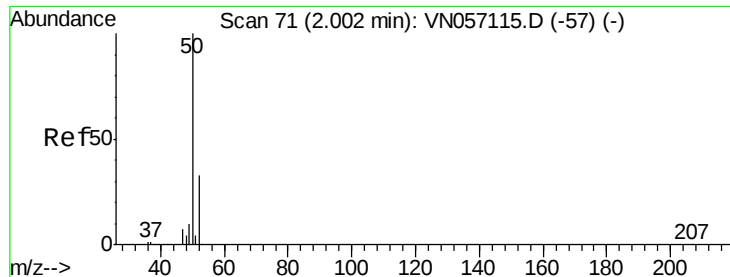
87 32.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.481 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 504642

Ion Ratio Lower Upper

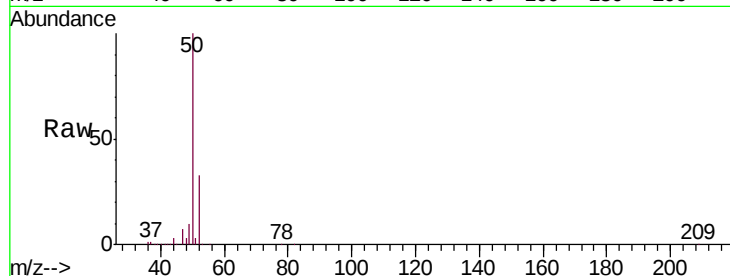
50 100

52 32.7 26.1 39.1

Manual Integrations
APPROVED

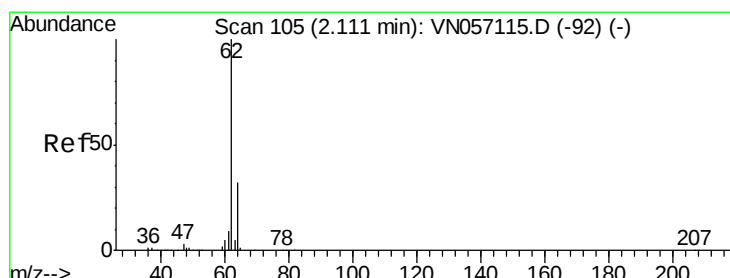
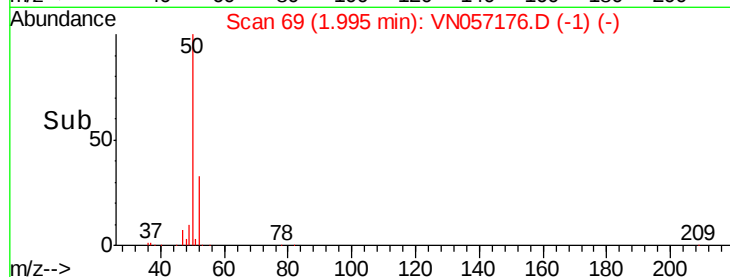
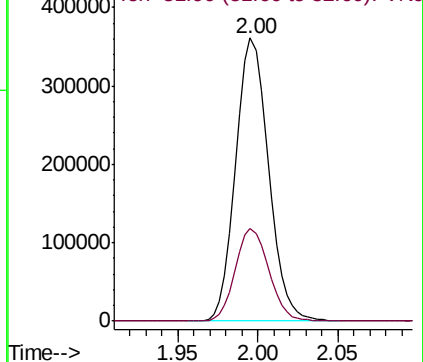
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.180 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057176.D

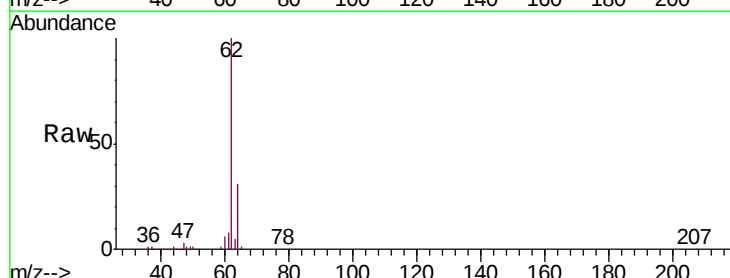
Acq: 11 Aug 2019 10:02

Tgt Ion: 62 Resp: 524889

Ion Ratio Lower Upper

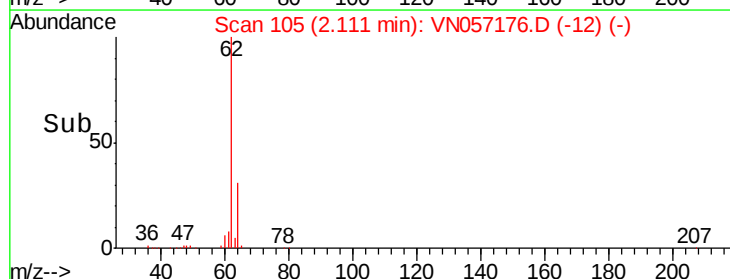
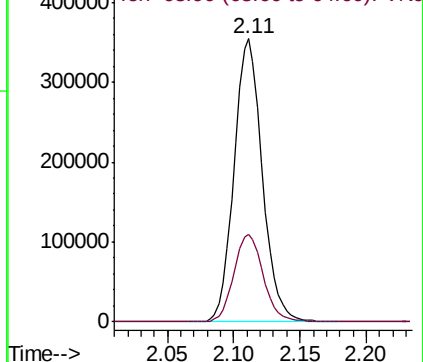
62 100

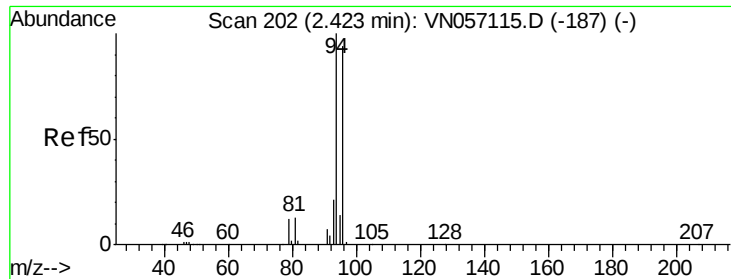
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.010 ug/l

RT: 2.43 min Scan# 203

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 371417

Ion Ratio Lower Upper

94 100

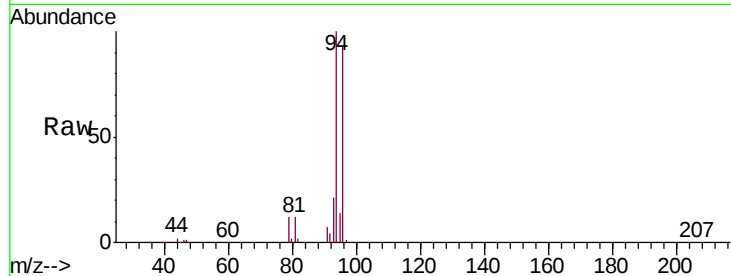
96 92.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.43

200000

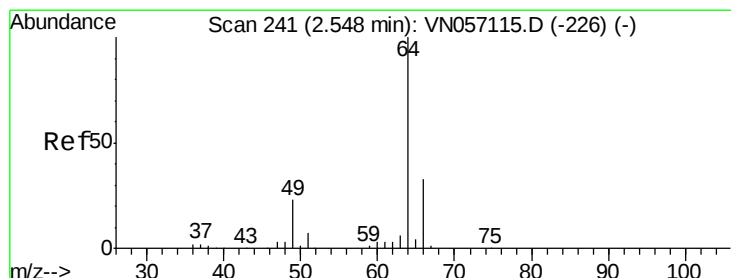
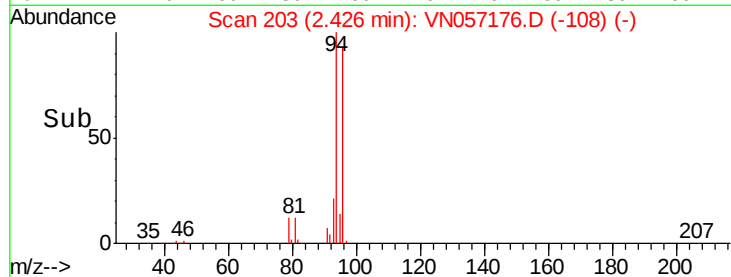
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.104 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057176.D

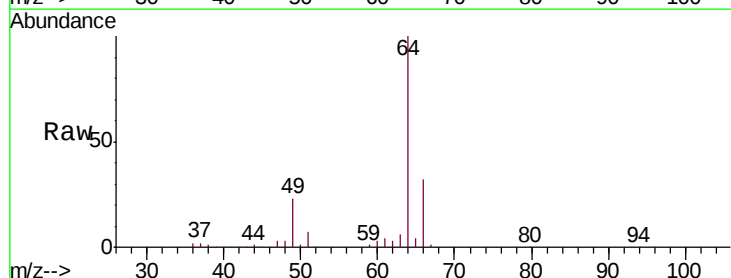
Acq: 11 Aug 2019 10:02

Tgt Ion: 64 Resp: 351340

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.55

200000

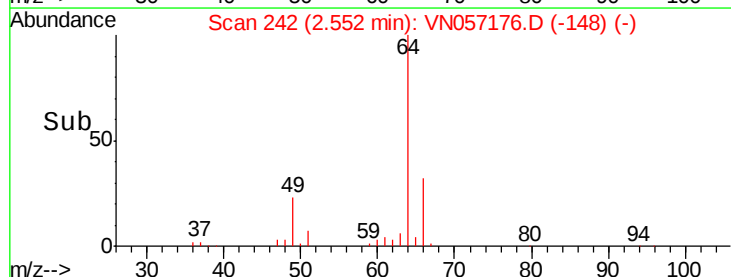
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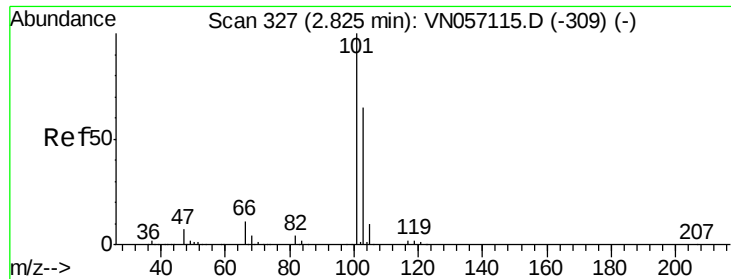
100000

50000

0

Time-->





#7

Trichlorofluoromethane
Concen: 46.558 ug/l
RT: 2.82 min Scan# 327
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

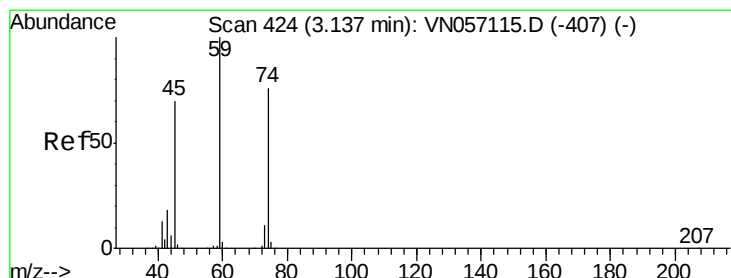
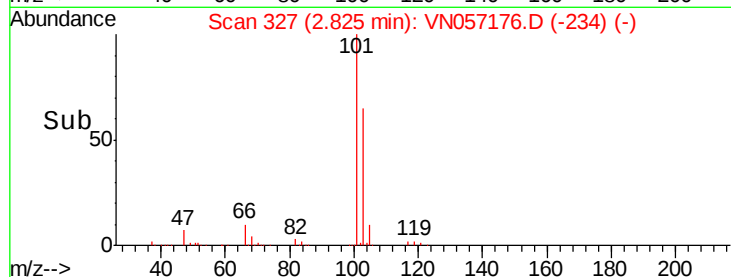
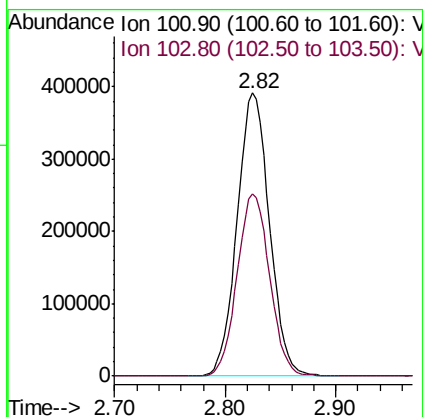
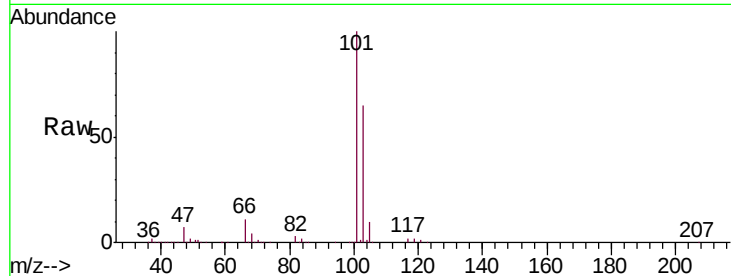
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

Manual Integrations
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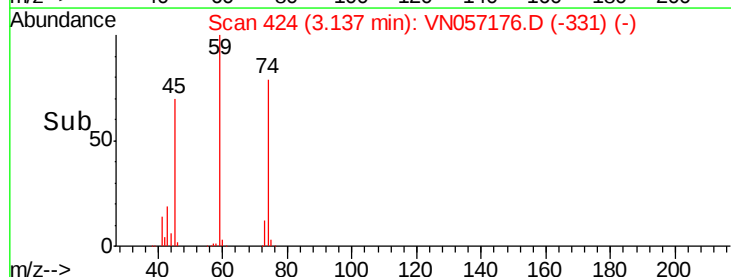
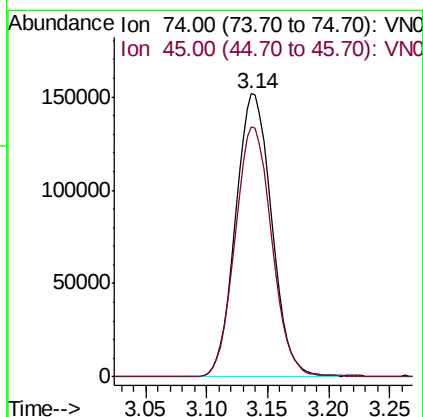
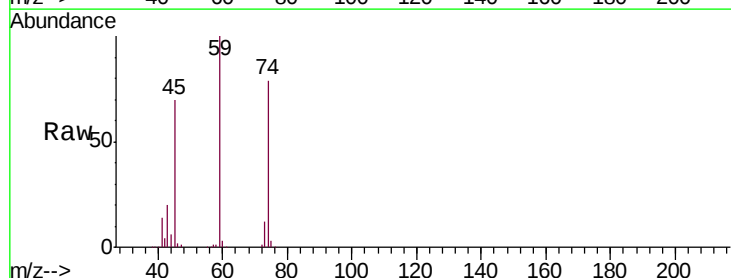
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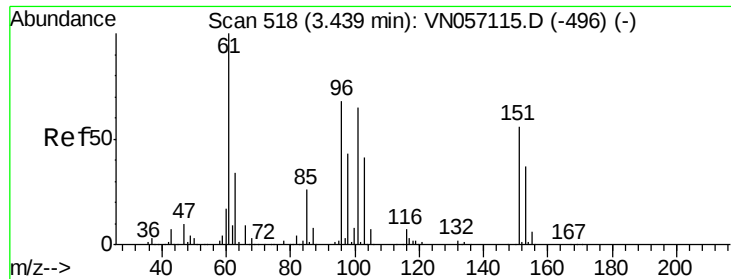


#8

Diethyl Ether
Concen: 47.042 ug/l
RT: 3.14 min Scan# 424
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.868 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

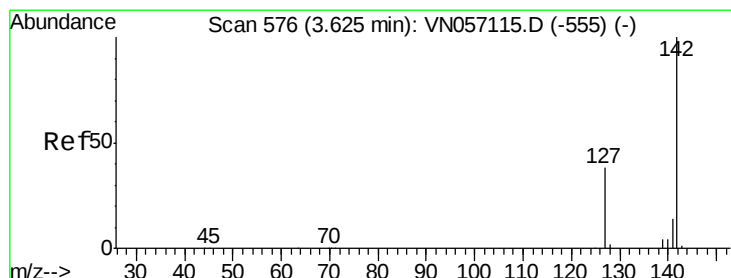
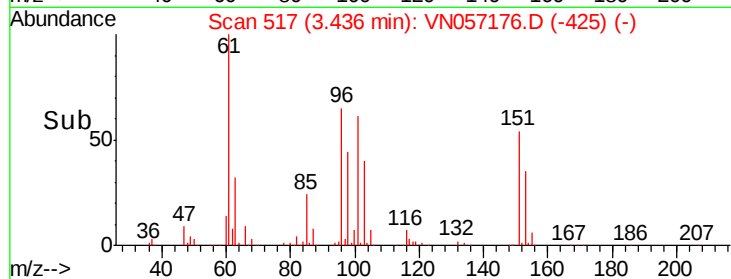
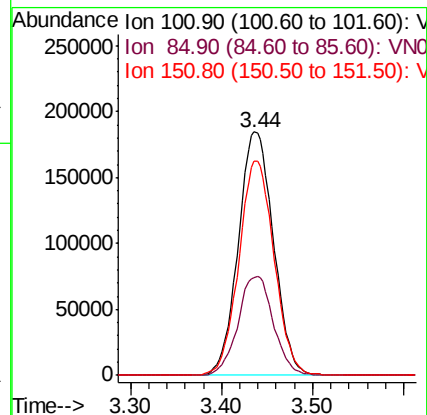
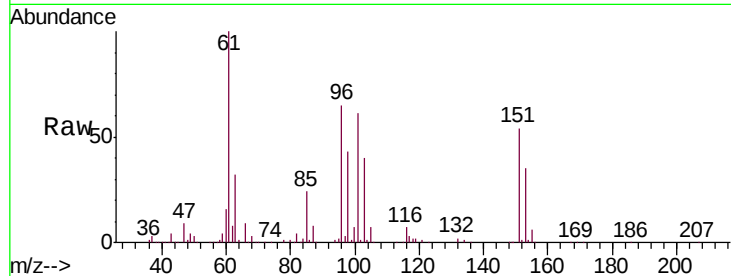
VSTDCCC050

Tgt Ion:	101	Resp:	495559
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.3	48.5
151	88.2	69.4	104.0

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#10

Methyl Iodide

Concen: 50.323 ug/l

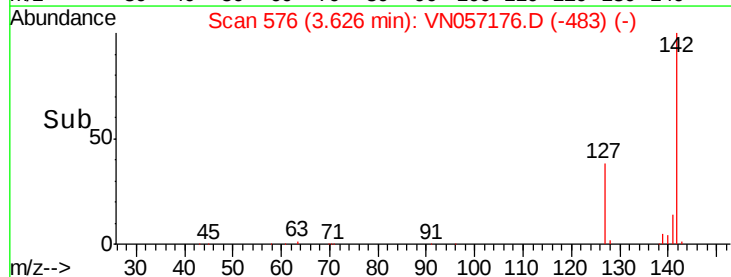
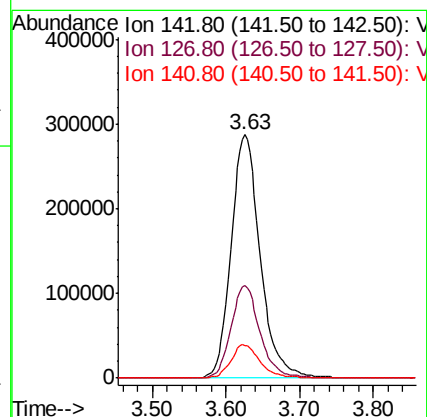
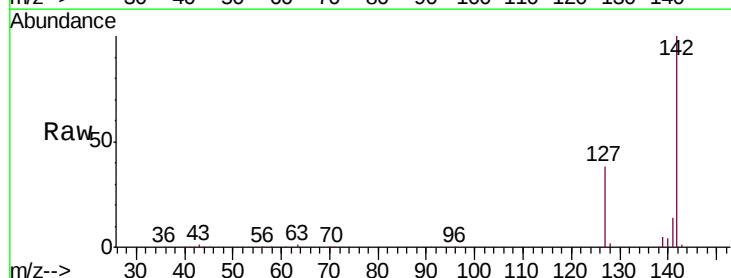
RT: 3.63 min Scan# 576

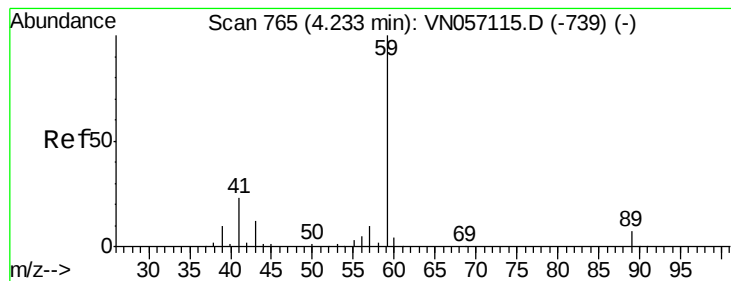
Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion:	142	Resp:	787261
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.6
141	13.8	11.2	16.8





#11

Tert butyl alcohol
 Concen: 205.849 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

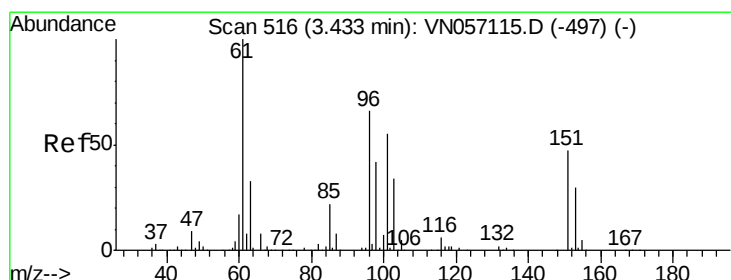
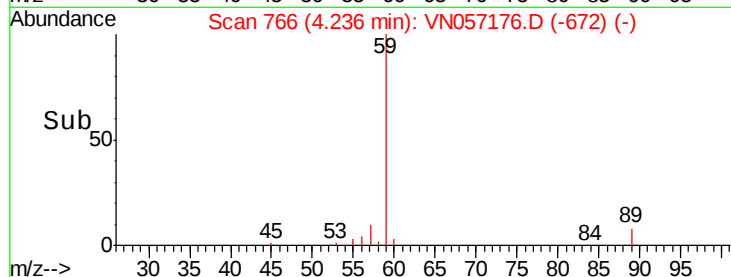
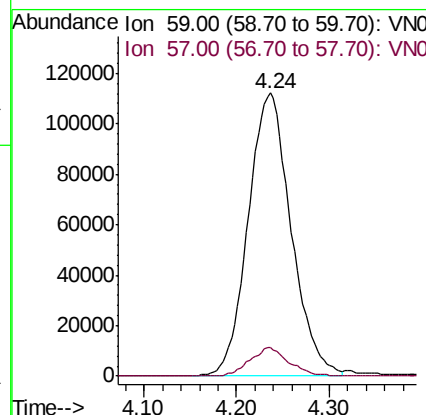
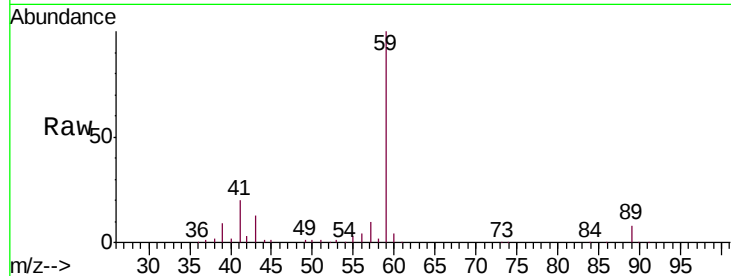
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.9	11.9

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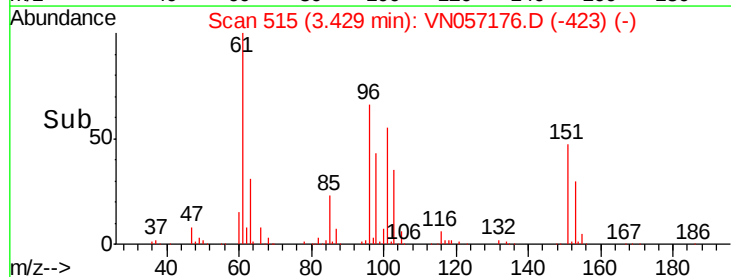
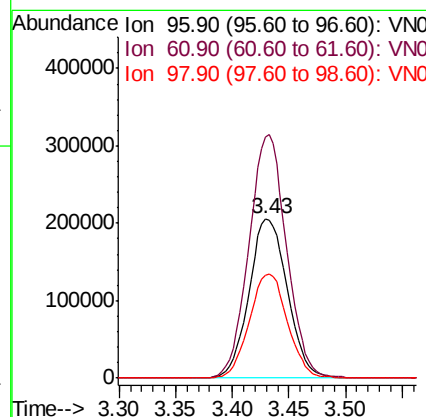
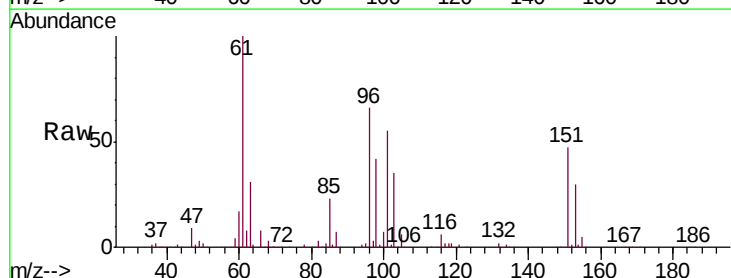
8/12/2019 3:41:24 PM

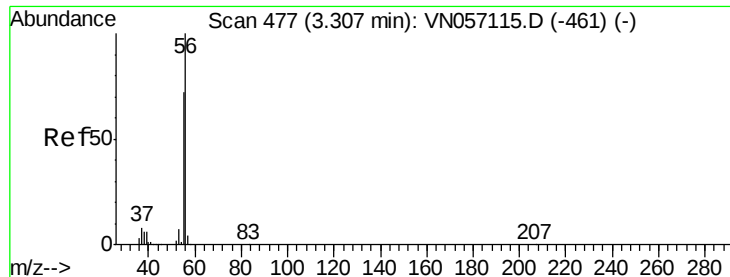


#12

1,1-Dichloroethene
 Concen: 47.647 ug/l
 RT: 3.43 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	121.0	181.6
98	64.2	50.8	76.2





#13

Acrolein

Concen: 150.838 ug/l

RT: 3.31 min Scan# 477

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 167148

Ion Ratio Lower Upper

56 100

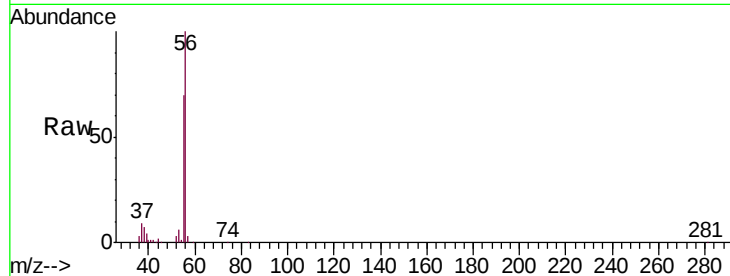
55 71.0 57.7 86.5

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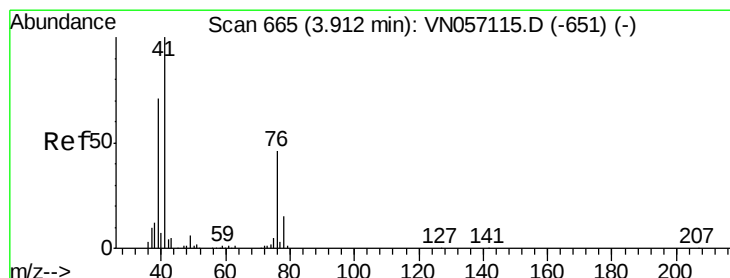
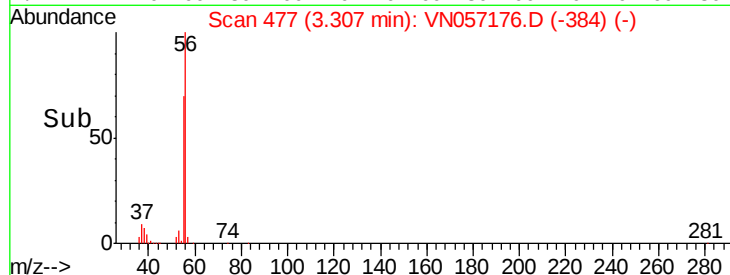
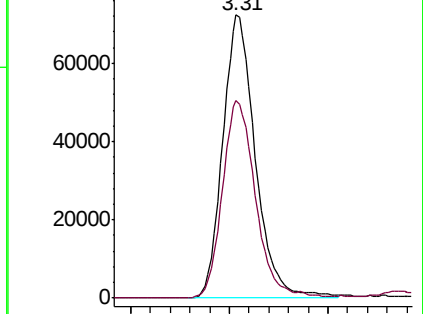
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.709 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

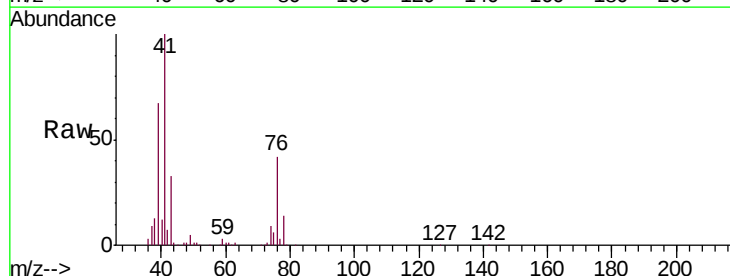
Tgt Ion: 41 Resp: 765327

Ion Ratio Lower Upper

41 100

39 59.7 51.1 76.7

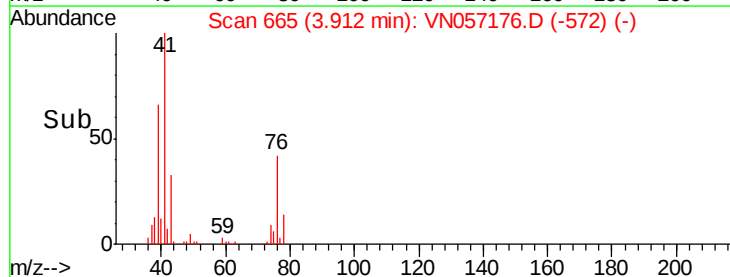
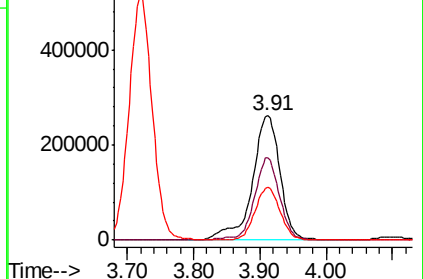
76 37.2 32.8 49.2

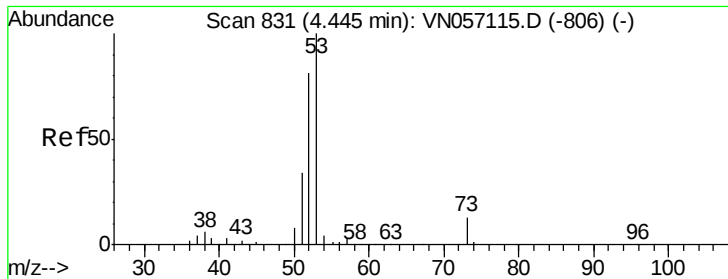


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 223.705 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 1060525

Ion Ratio Lower Upper

53 100

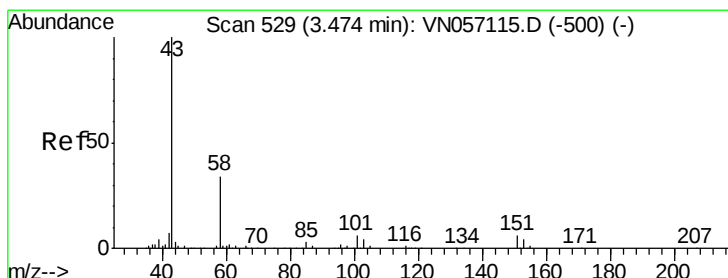
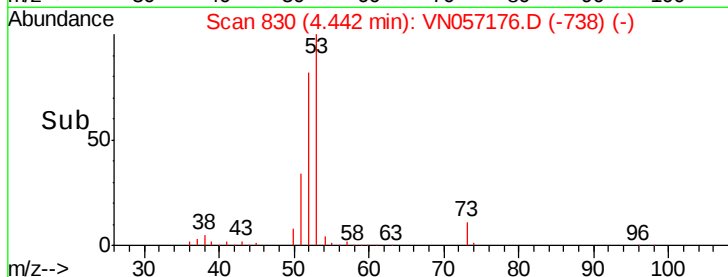
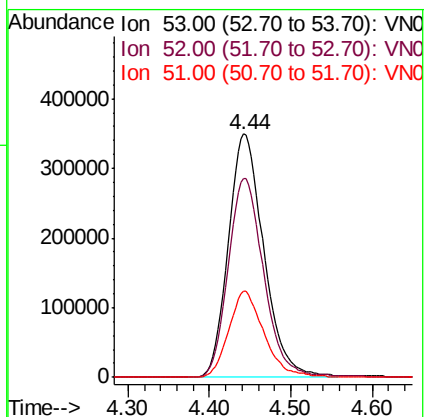
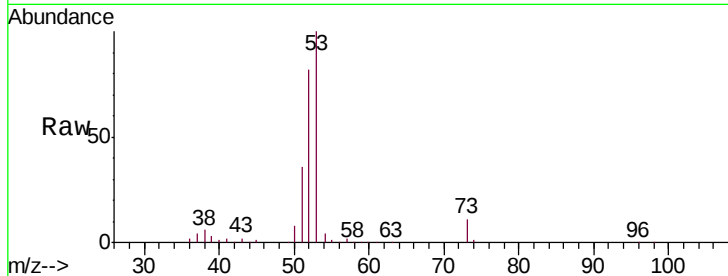
52 82.1 64.9 97.3

51 35.4 27.8 41.6

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#16

Acetone

Concen: 295.269 ug/l

RT: 3.47 min Scan# 529

Delta R.T. 0.00 min

Lab File: VN057176.D

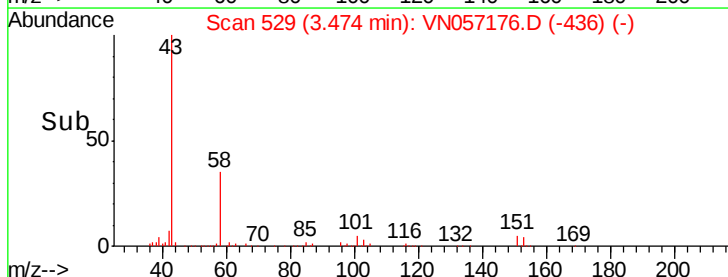
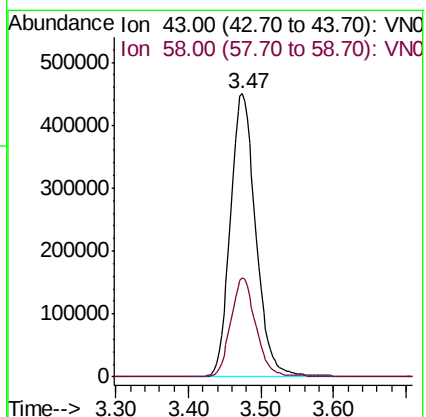
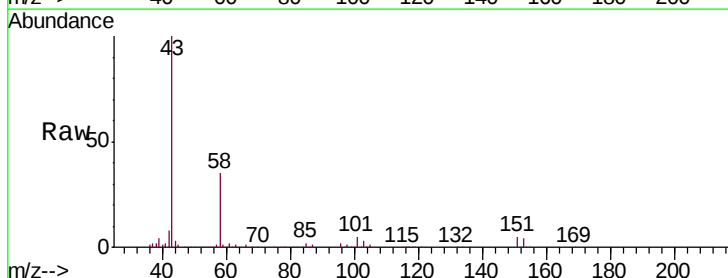
Acq: 11 Aug 2019 10:02

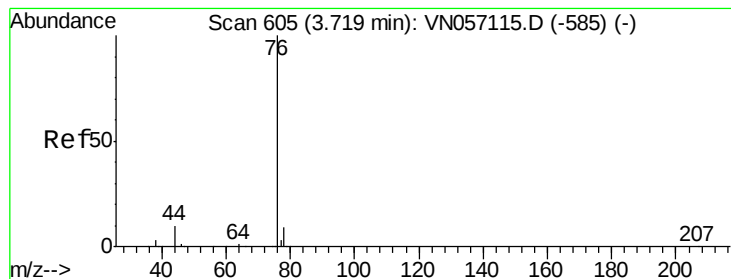
Tgt Ion: 43 Resp: 1097632

Ion Ratio Lower Upper

43 100

58 35.1 27.4 41.2





#17

Carbon Disulfide

Concen: 46.043 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1247501

Ion Ratio Lower Upper

76 100

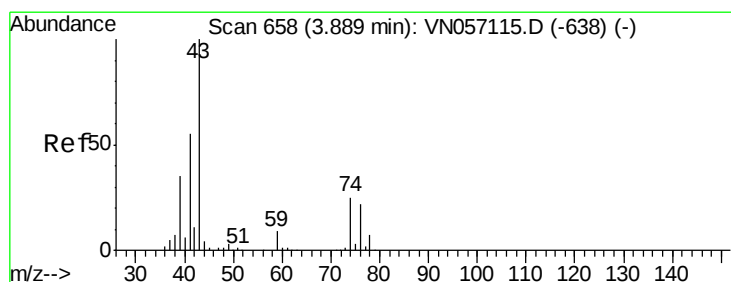
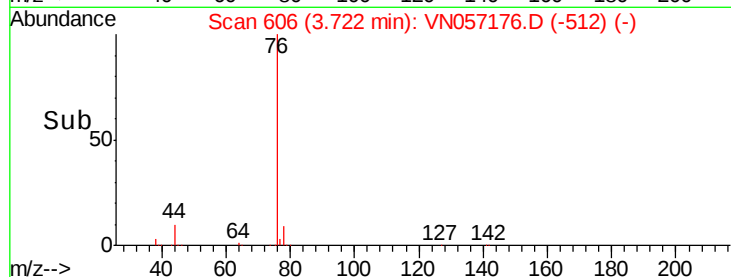
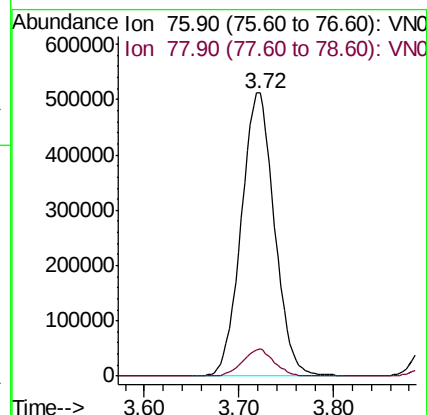
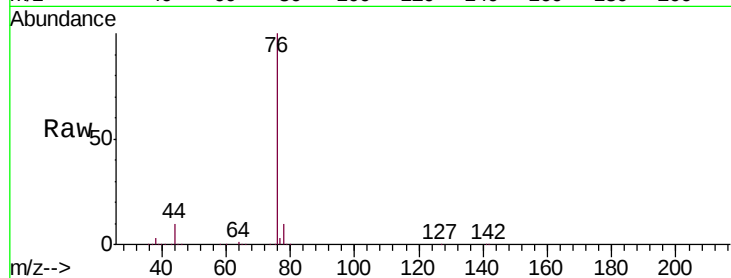
78 9.5 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 44.726 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057176.D

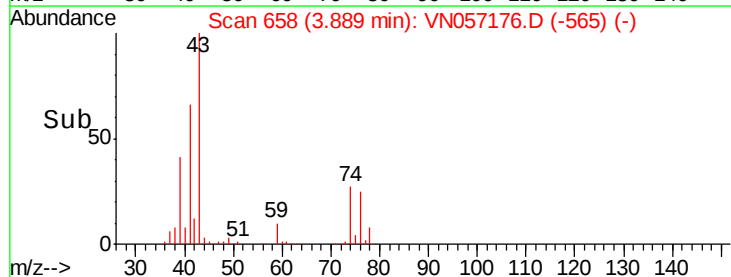
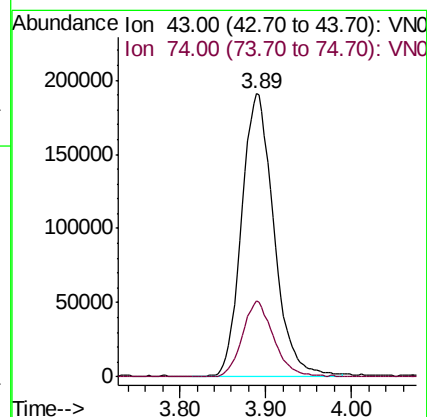
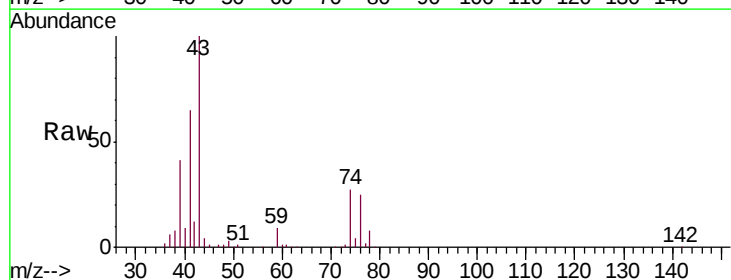
Acq: 11 Aug 2019 10:02

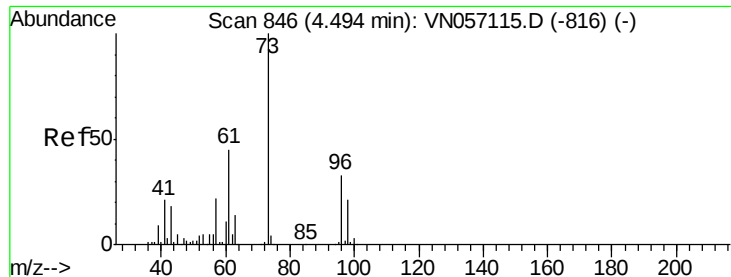
Tgt Ion: 43 Resp: 496141

Ion Ratio Lower Upper

43 100

74 26.0 20.2 30.4





#19
Methyl tert-butyl Ether
Concen: 48.568 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

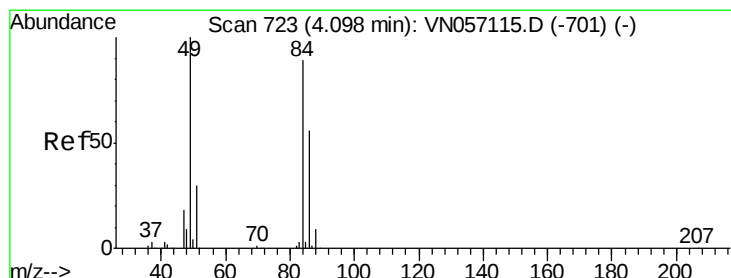
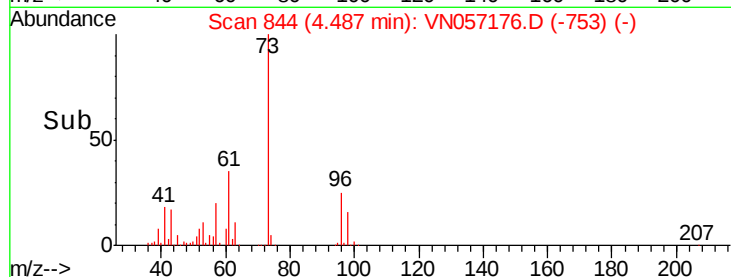
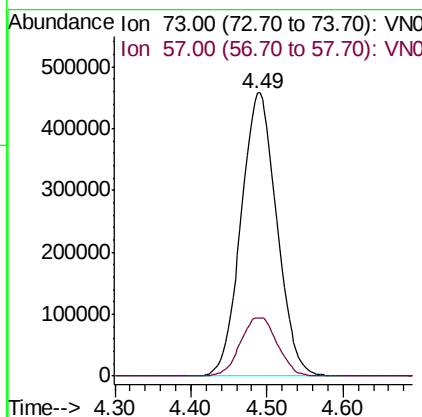
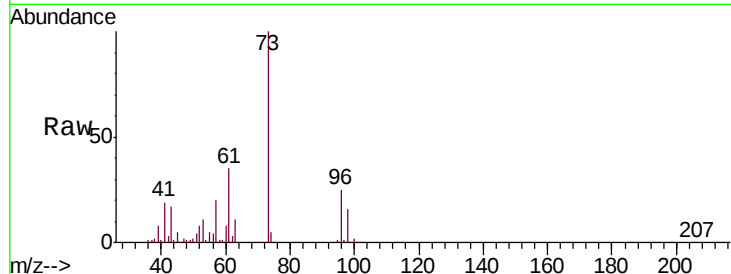
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 1493299
Ion Ratio Lower Upper
73 100
57 20.4 18.0 27.0

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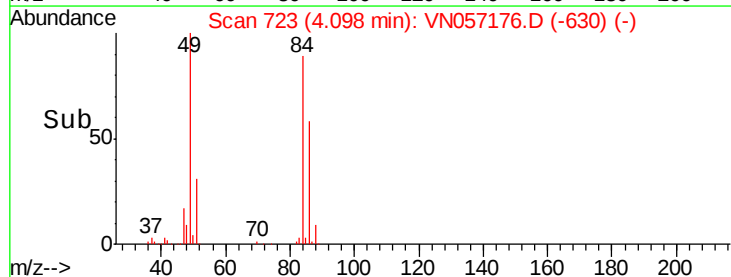
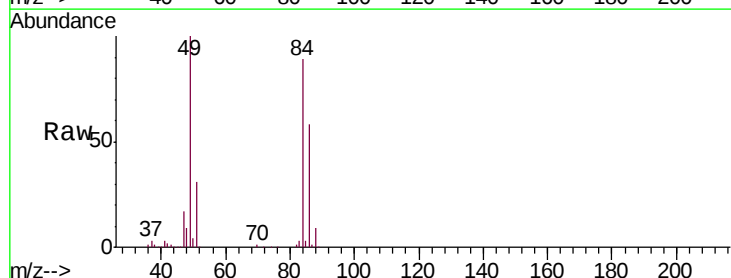
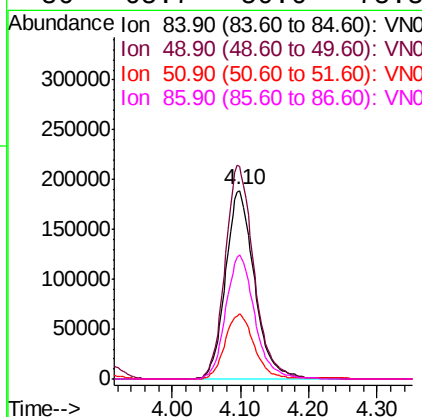
MMDadoda

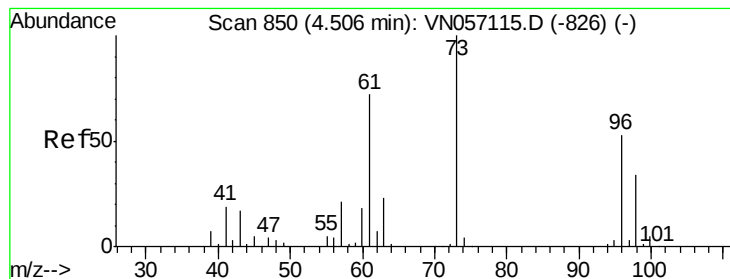
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#20
Methylene Chloride
Concen: 45.522 ug/l
RT: 4.10 min Scan# 723
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion: 84 Resp: 558484
Ion Ratio Lower Upper
84 100
49 112.9 89.5 134.3
51 34.5 27.2 40.8
86 65.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 46.891 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 520225

Ion Ratio Lower Upper

96 100

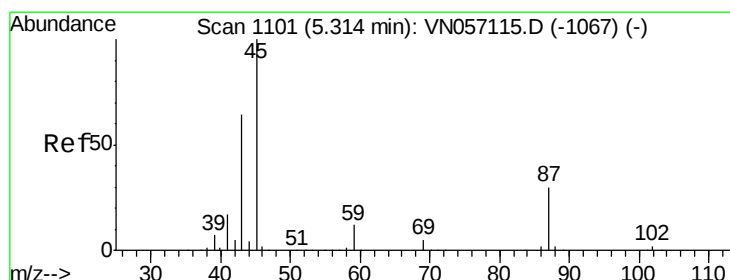
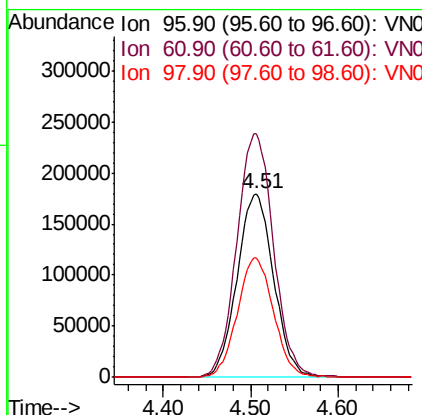
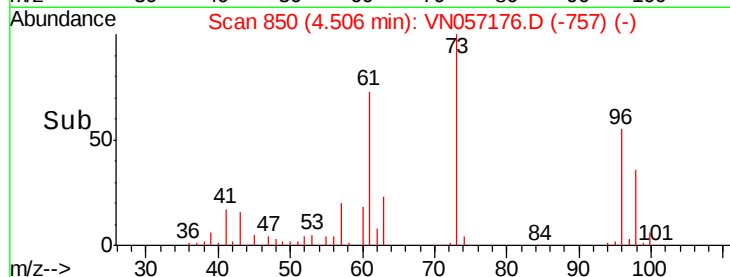
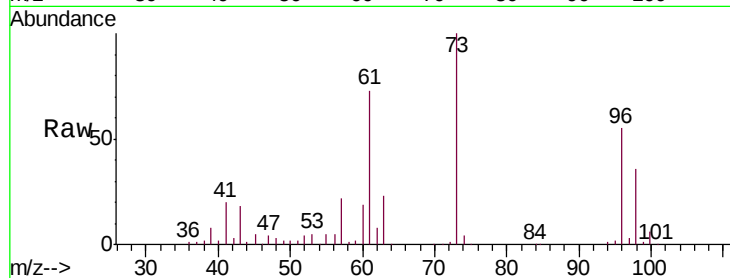
61 132.7 108.1 162.1

98 64.7 50.5 75.7

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#22

Diisopropyl ether

Concen: 47.137 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion: 45 Resp: 1521737

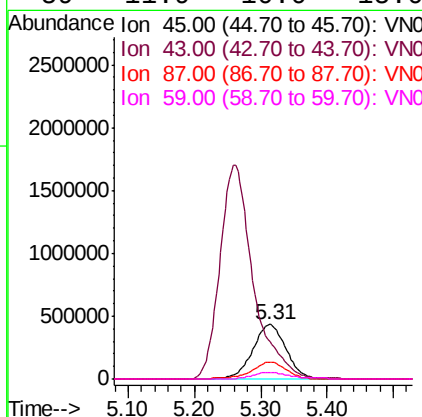
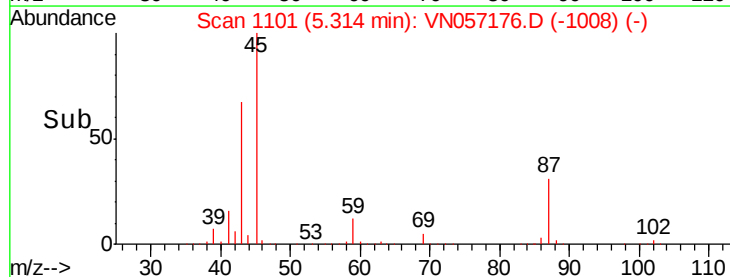
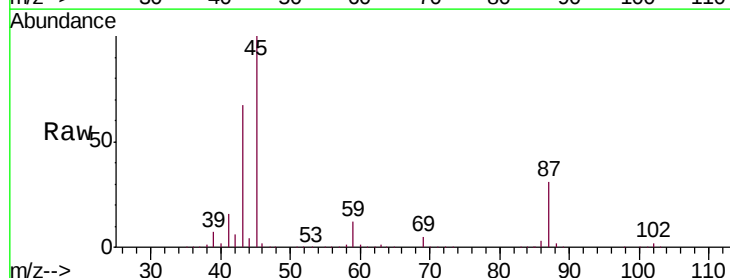
Ion Ratio Lower Upper

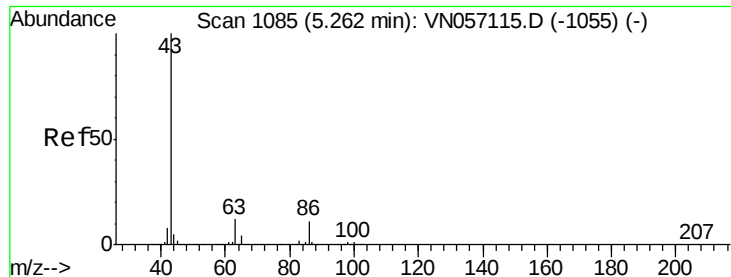
45 100

43 67.0 54.1 81.1

87 31.3 24.0 36.0

59 11.9 10.0 15.0





#23

Vinyl Acetate

Concen: 240.470 ug/l

RT: 5.26 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5944765

Ion Ratio Lower Upper

43 100

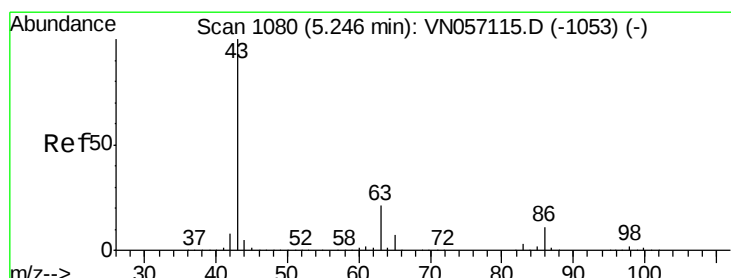
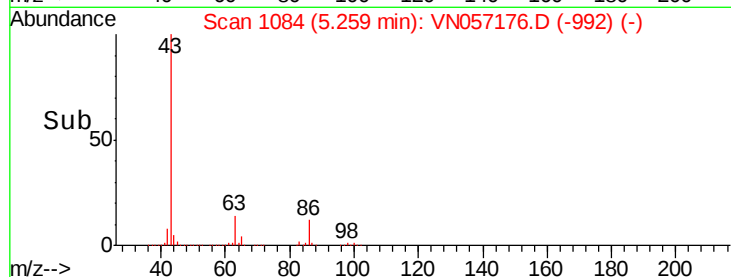
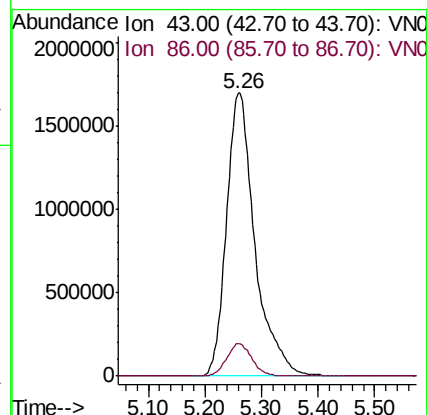
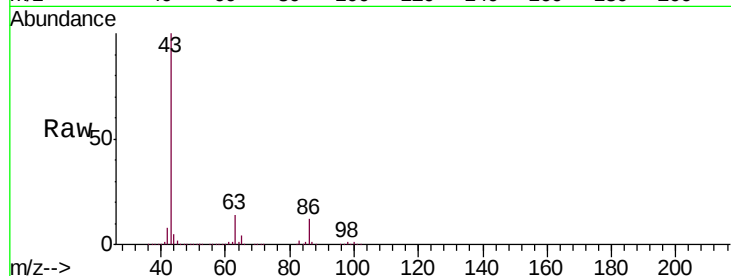
86 11.5 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.917 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

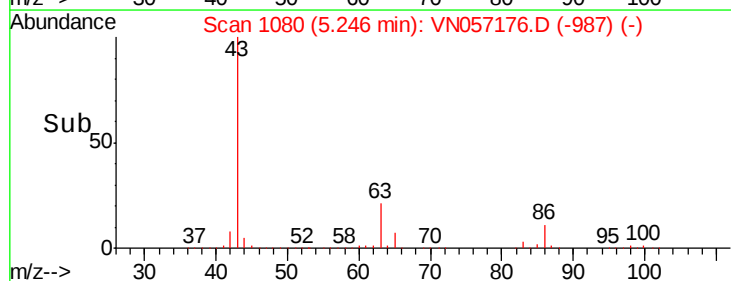
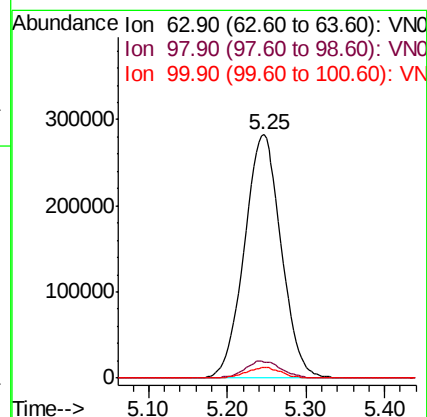
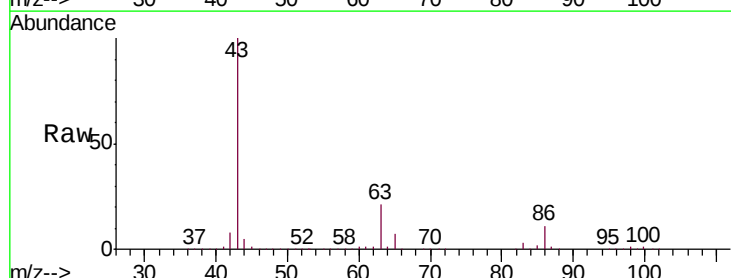
Tgt Ion: 63 Resp: 931107

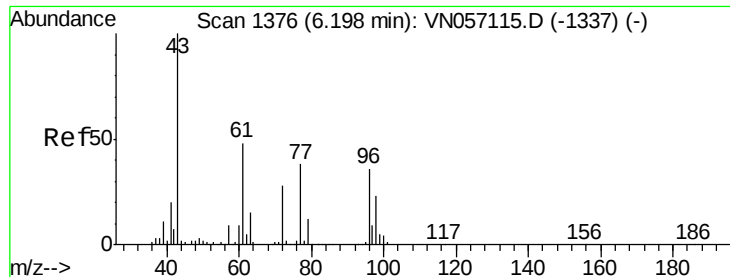
Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.2

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 251.828 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 43 Resp: 1430289

Ion Ratio Lower Upper

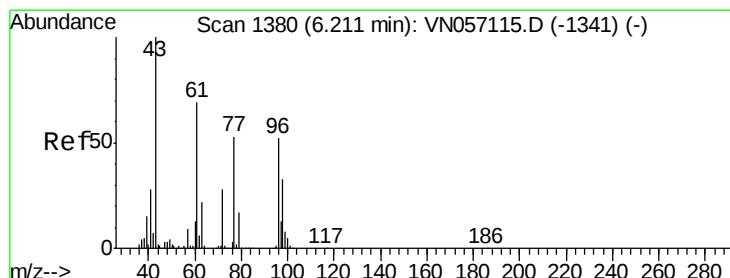
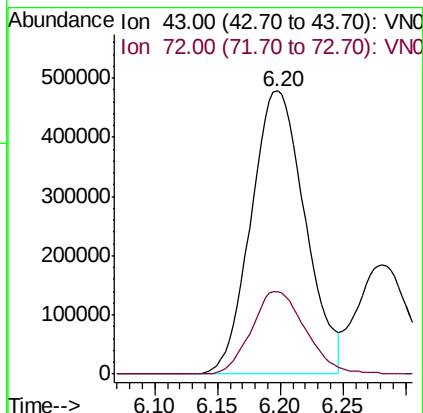
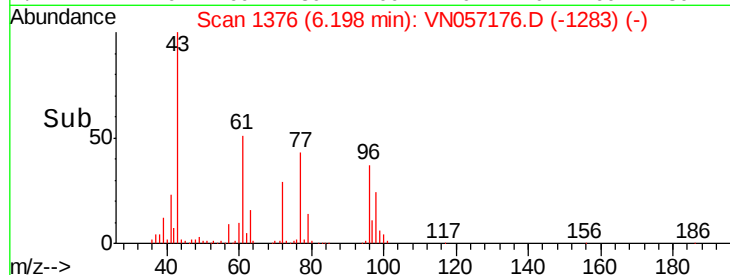
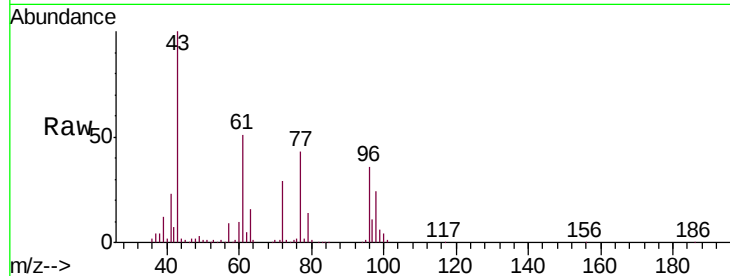
43 100

72 29.1 22.2 33.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 53.519 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057176.D

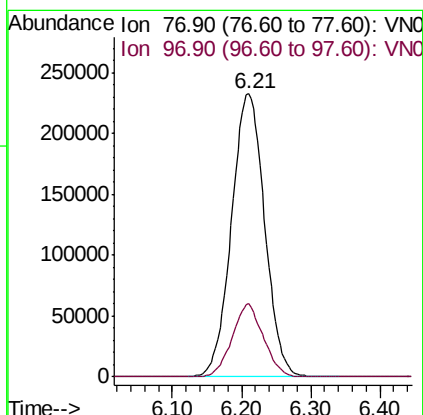
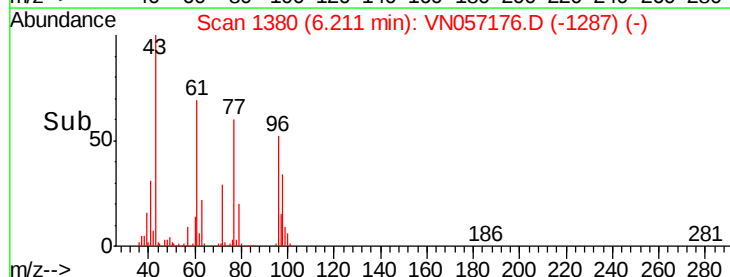
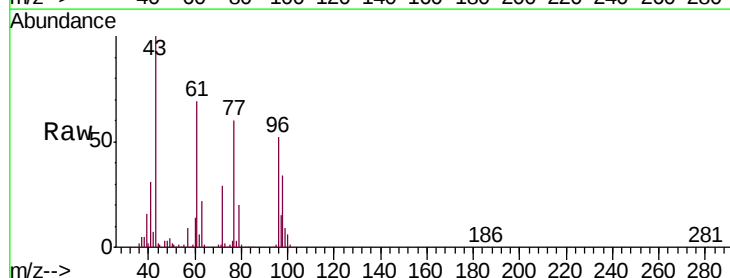
Acq: 11 Aug 2019 10:02

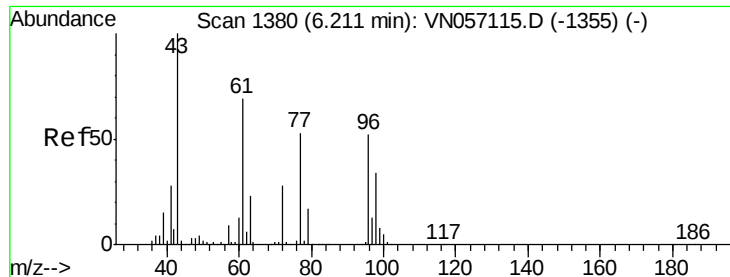
Tgt Ion: 77 Resp: 772737

Ion Ratio Lower Upper

77 100

97 24.3 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 47.581 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

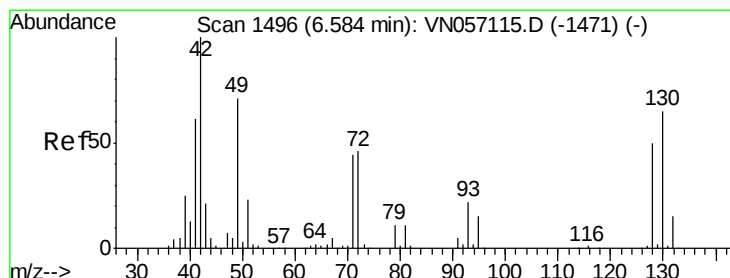
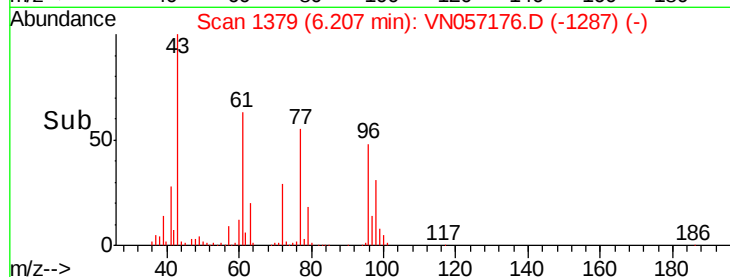
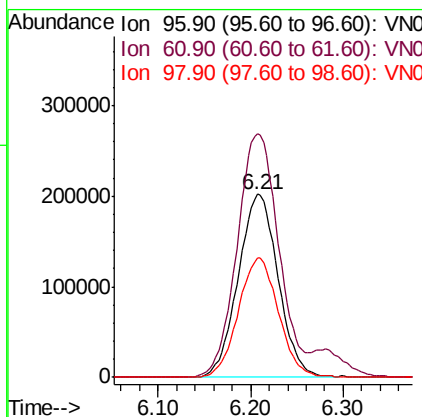
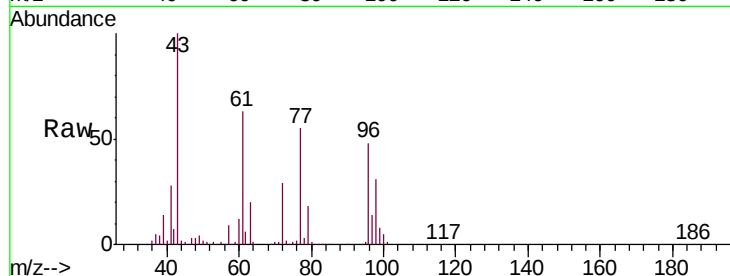
VSTDCCC050

Tgt Ion:	96	Resp:	604742
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	273.4
98	65.7	0.0	130.4

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#28

Bromochloromethane

Concen: 47.226 ug/l

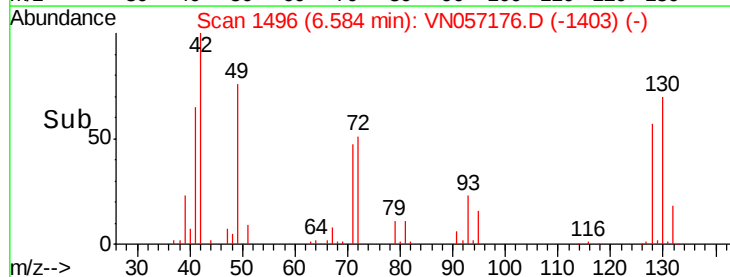
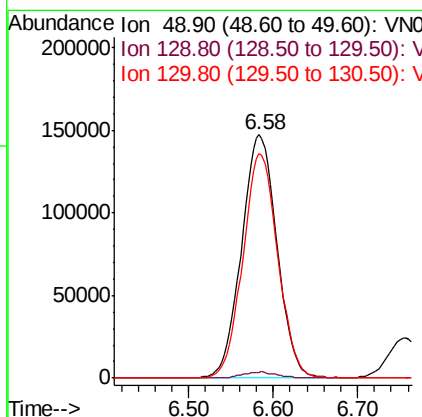
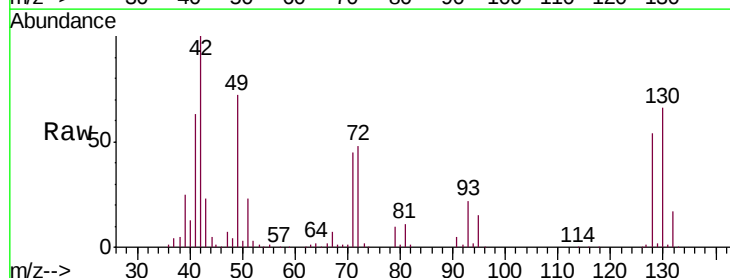
RT: 6.58 min Scan# 1496

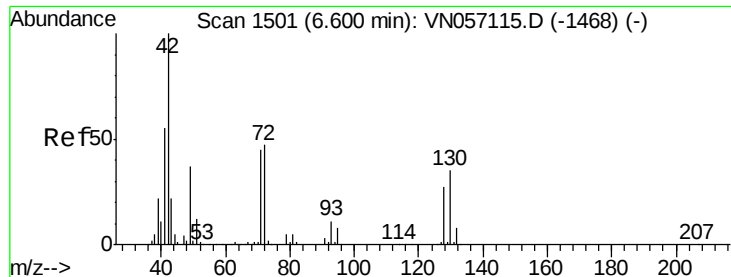
Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion:	49	Resp:	431098
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.6	73.8	110.8





#29
Tetrahydrofuran
Concen: 221.069 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

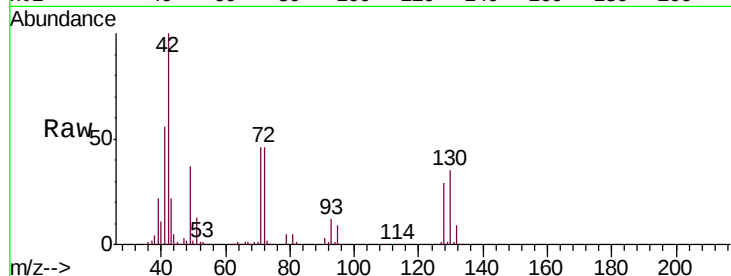
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.1	55.7
71	44.8	34.8	52.2

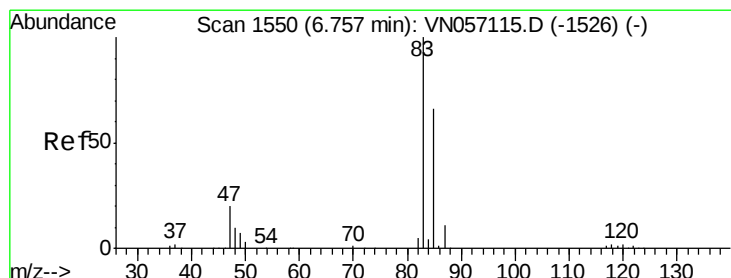
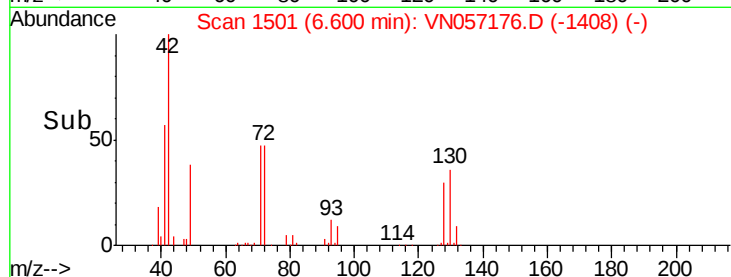
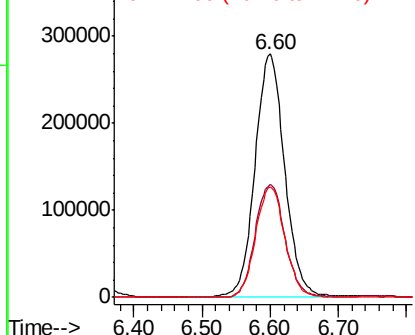
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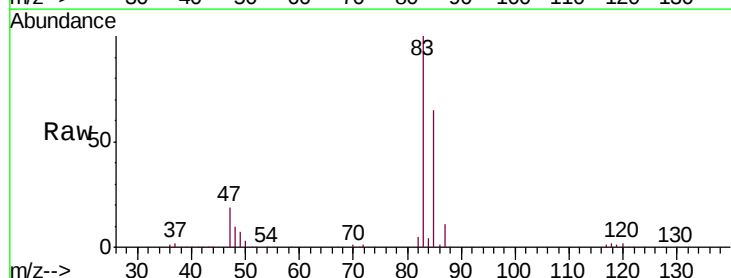


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

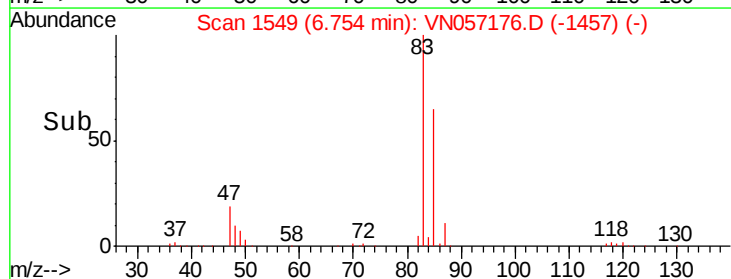
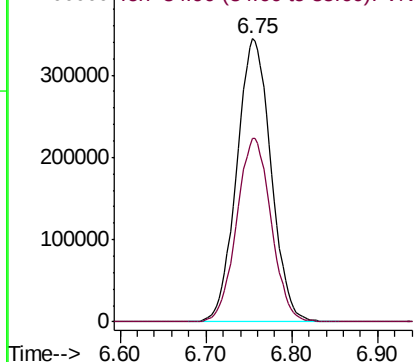


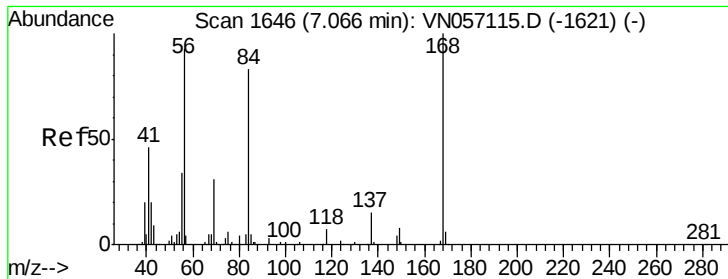
#30
Chloroform
Concen: 46.396 ug/l
RT: 6.75 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31
Cyclohexane
Concen: 44.329 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

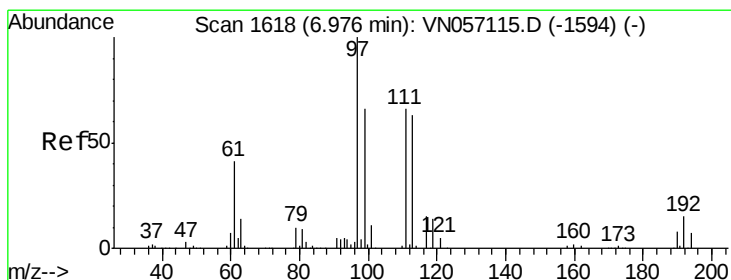
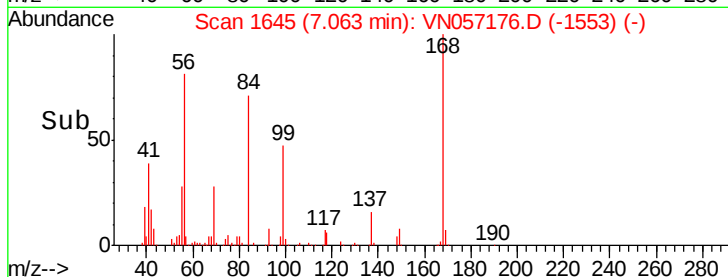
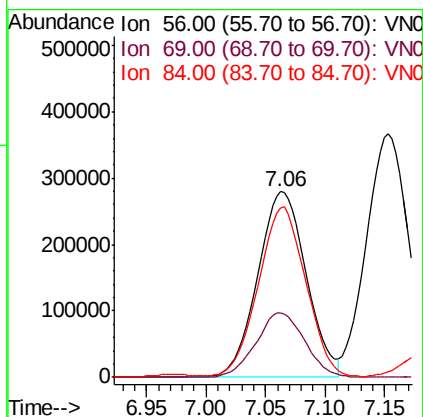
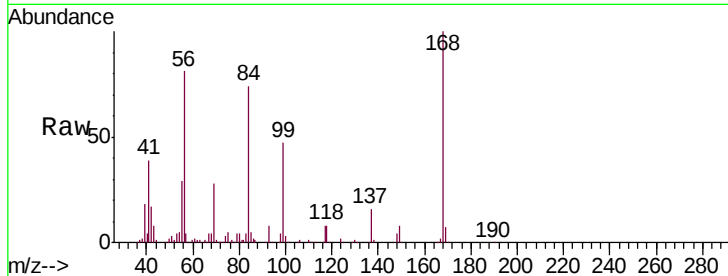
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.9	40.3
84	90.4	71.9	107.9

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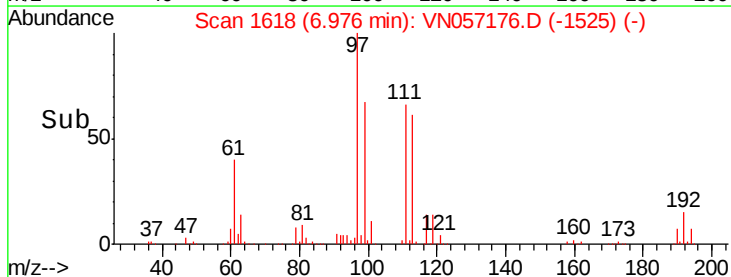
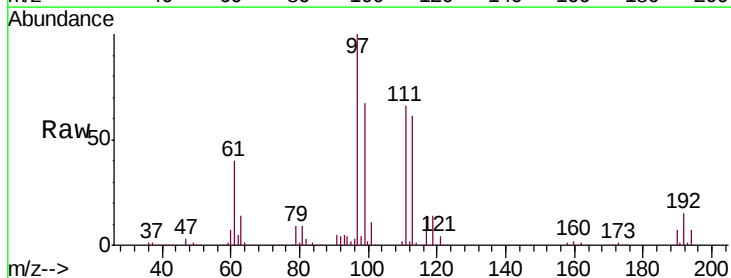
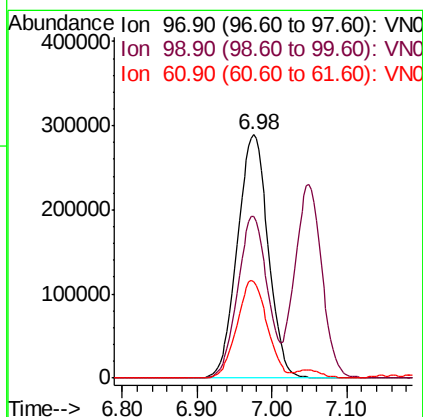
MMDadoda

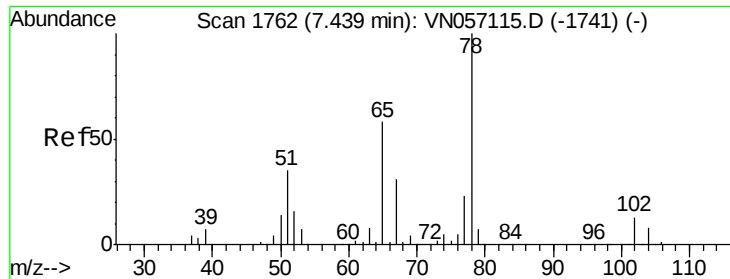
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#32
1,1,1-Trichloroethane
Concen: 47.950 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	39.7	32.7	49.1





#33
 1,2-Dichloroethane-d4
 Concen: 44.690 ug/l
 RT: 7.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

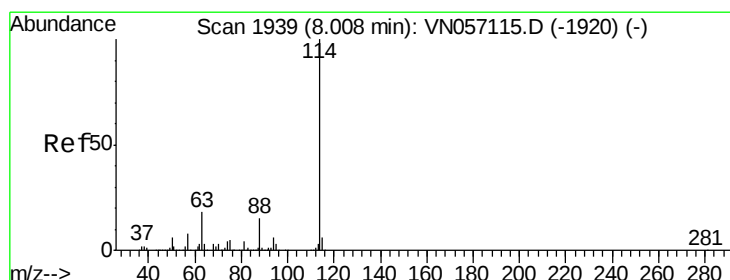
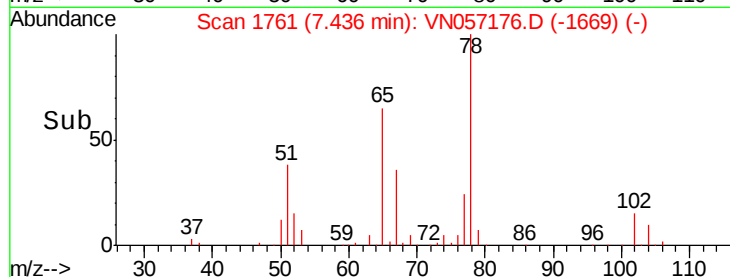
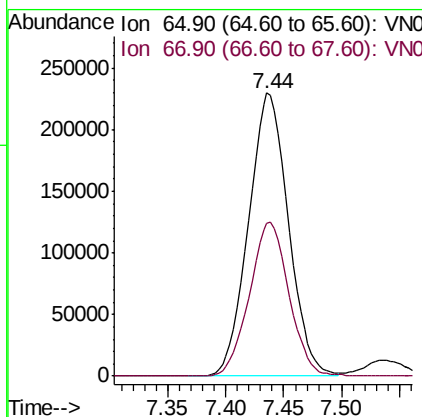
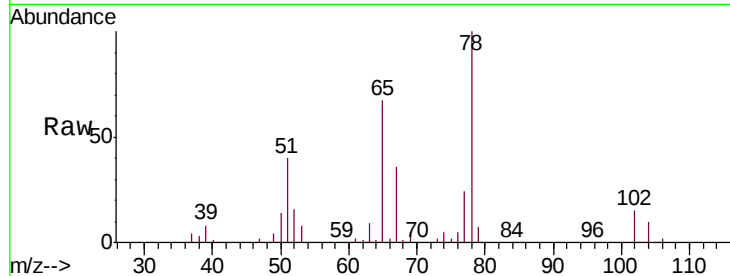
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	550099		
67	53.9	0.0	108.2	

Manual Integrations
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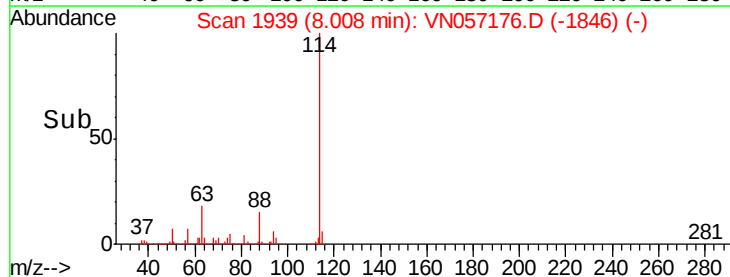
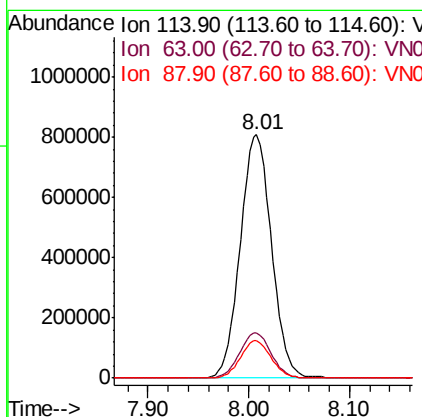
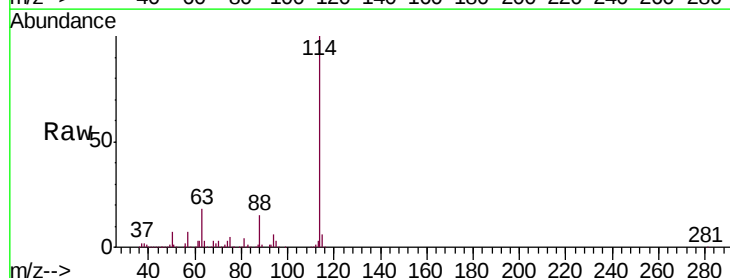
MMDadoda

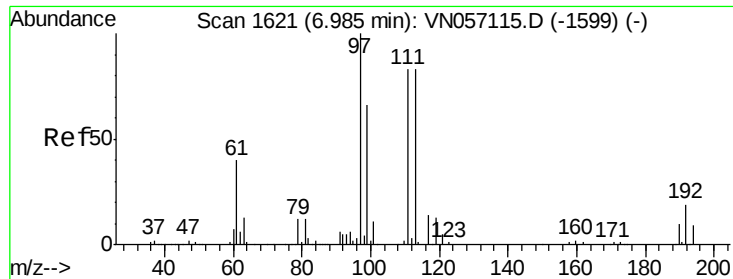
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1732791		
63	18.4	0.0	36.2	
88	15.3	0.0	30.0	





#35
Dibromofluoromethane
Concen: 47.590 ug/l
RT: 6.98 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

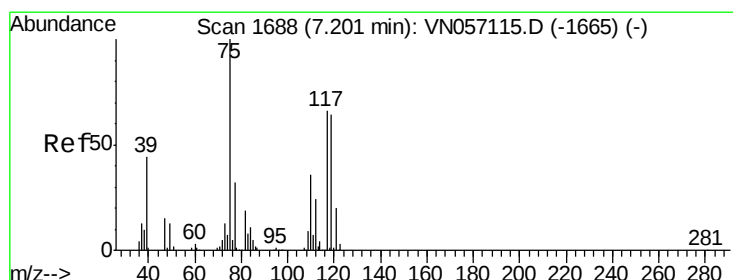
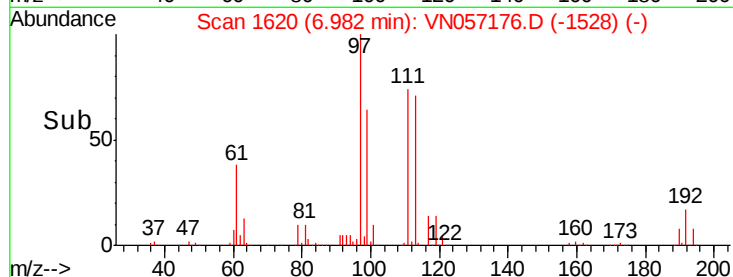
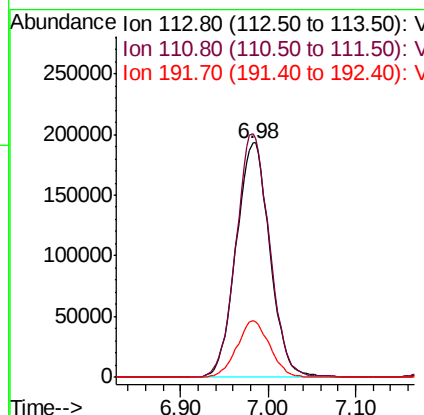
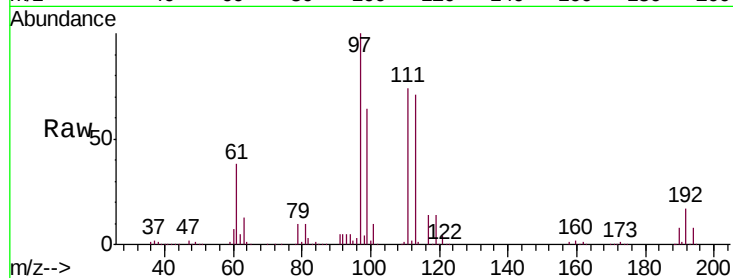
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	517473		
111	103.4	81.3	121.9	
192	23.5	19.0	28.4	

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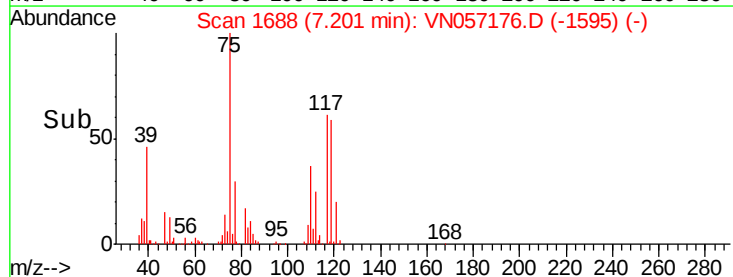
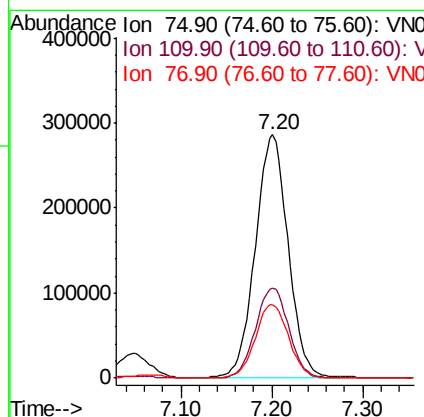
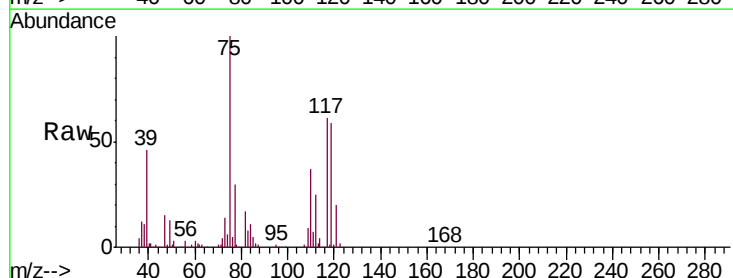
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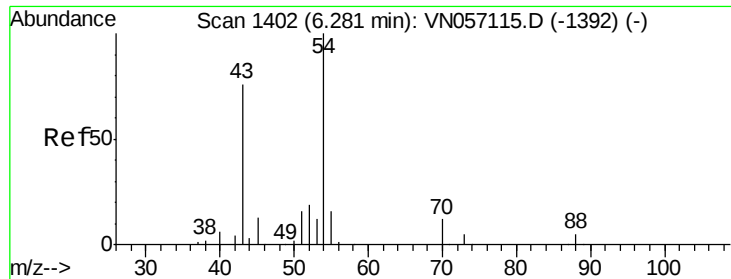
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#36
1,1-Dichloropropene
Concen: 50.122 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	715096		
110	37.8	18.7	56.1	
77	31.0	25.0	37.4	





#37
Ethyl Acetate
 Concen: 45.545 ug/l
 RT: 6.28 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

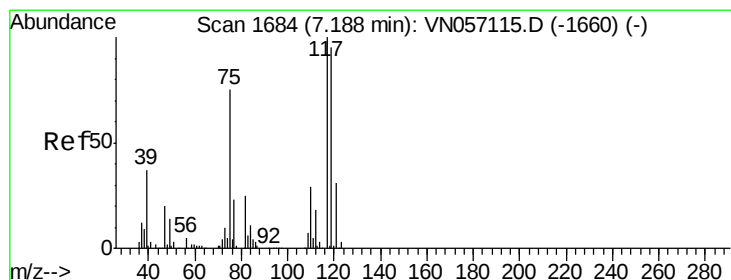
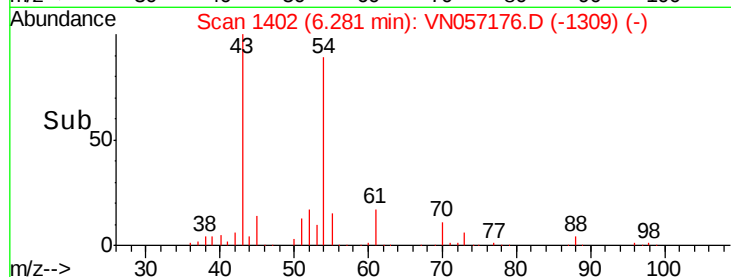
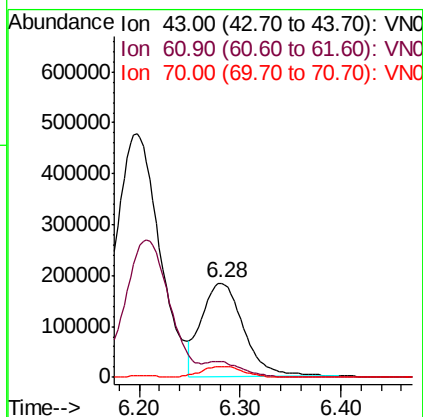
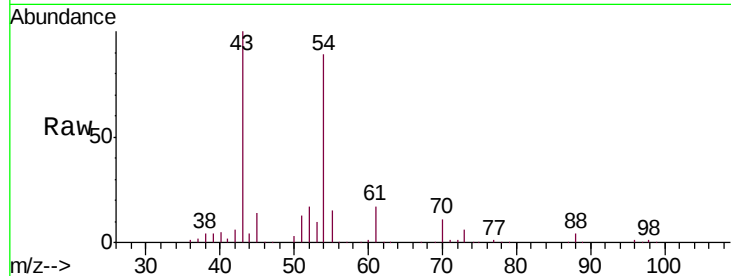
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.7	9.1	13.7

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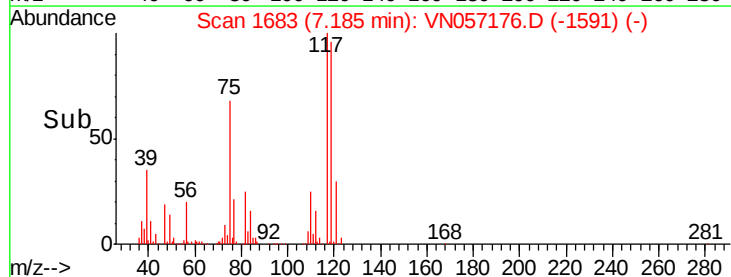
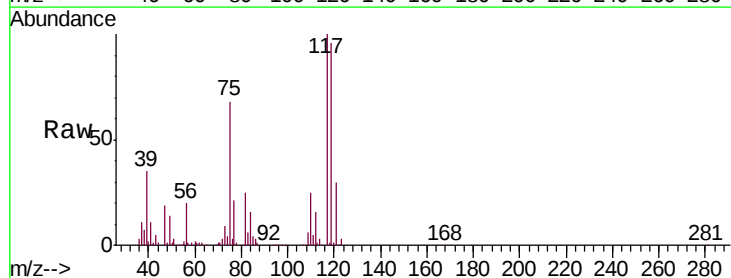
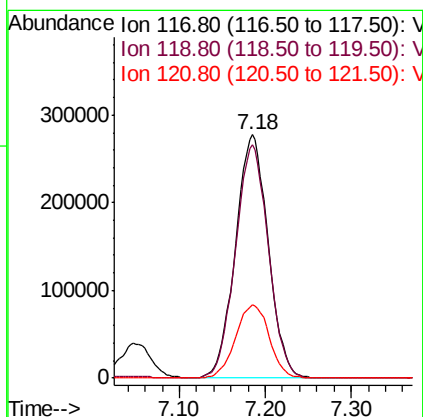
MMDadoda

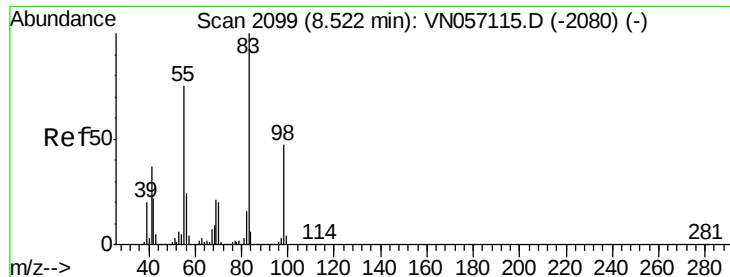
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#38
Carbon Tetrachloride
 Concen: 49.330 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.6
121	29.9	24.4	36.6





#39
Methylcyclohexane
Concen: 49.333 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

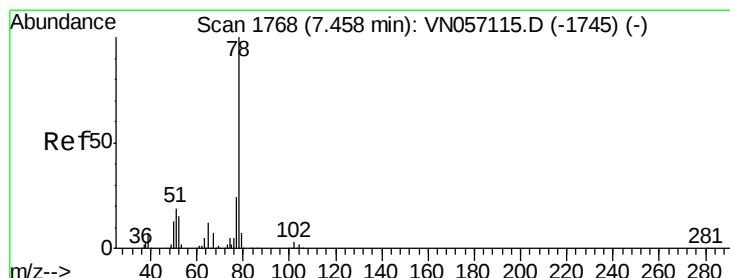
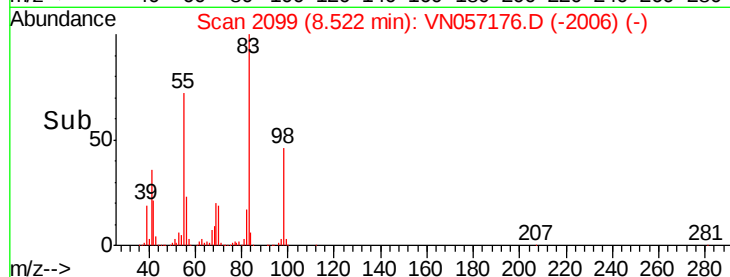
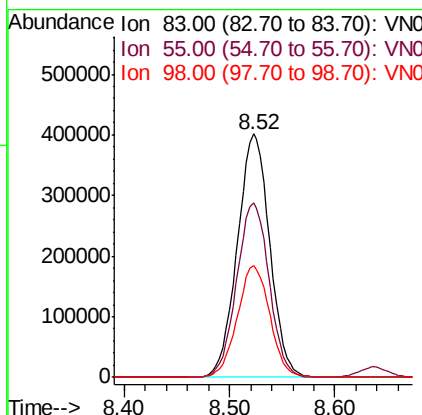
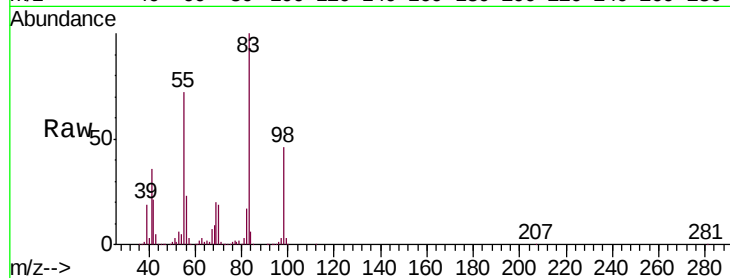
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	71.6	60.3	90.5
98	45.9	37.9	56.9

Manual Integrations
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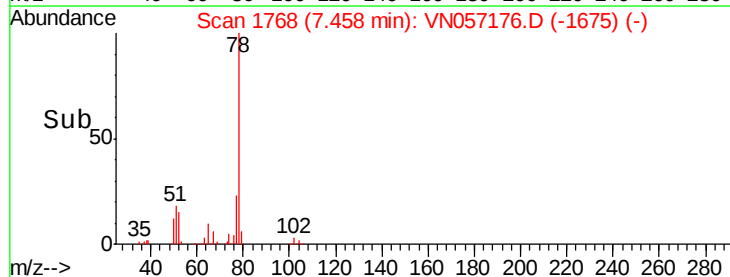
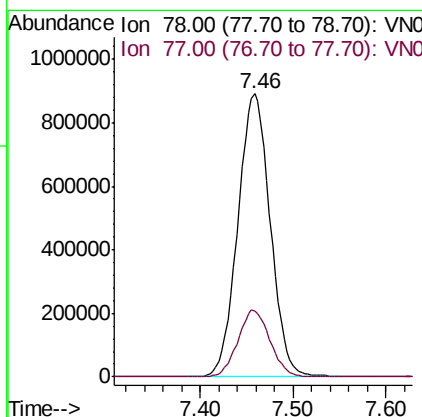
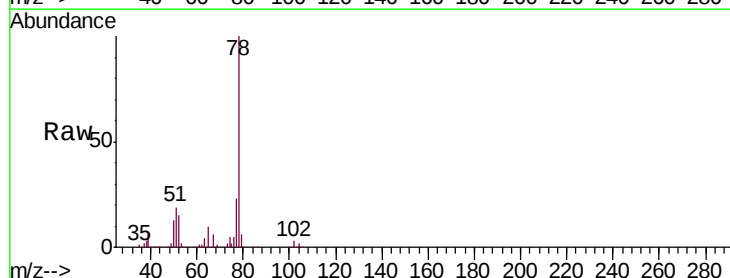
MMDadoda

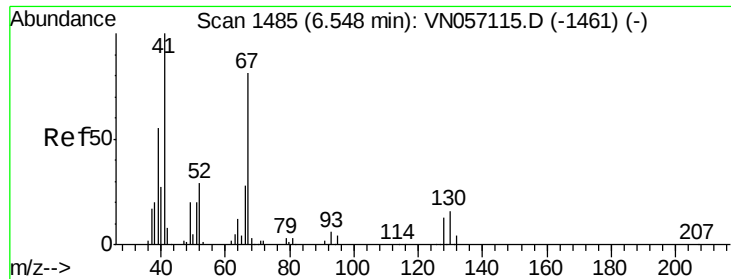
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#40
Benzene
Concen: 47.815 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 49.699 ug/l

RT: 6.54 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

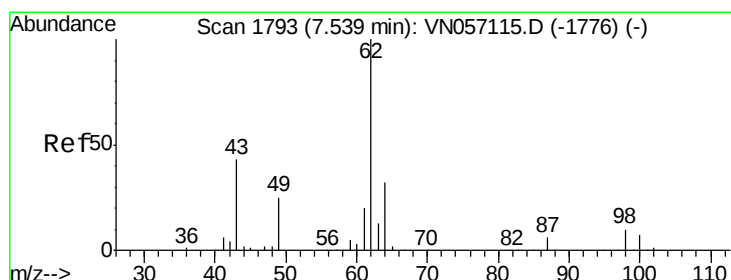
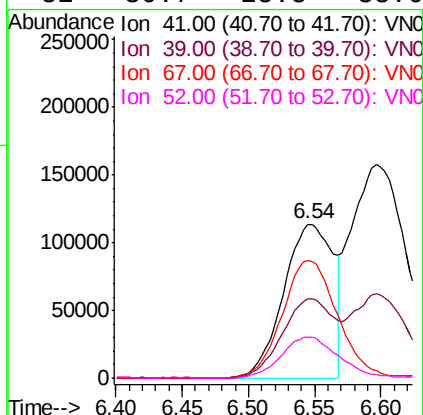
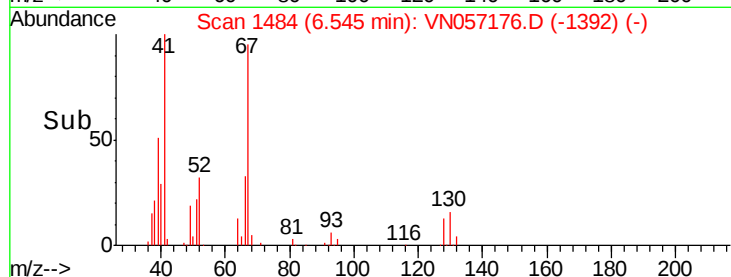
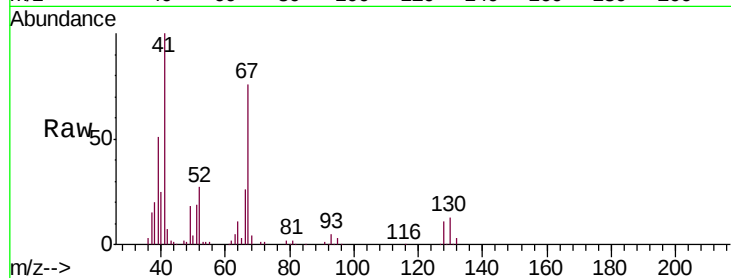
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.9	67.3
67	85.0	69.1	103.7
52	30.7	25.8	38.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.391 ug/l

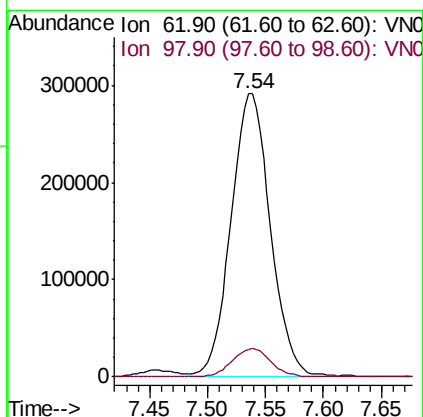
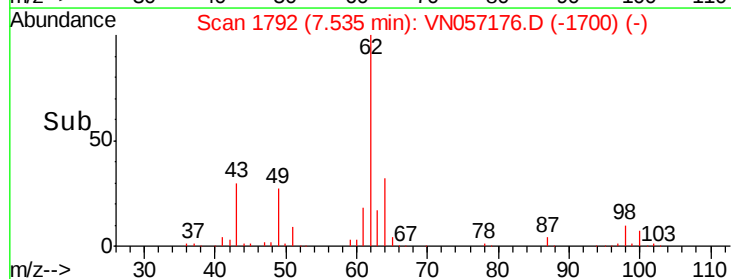
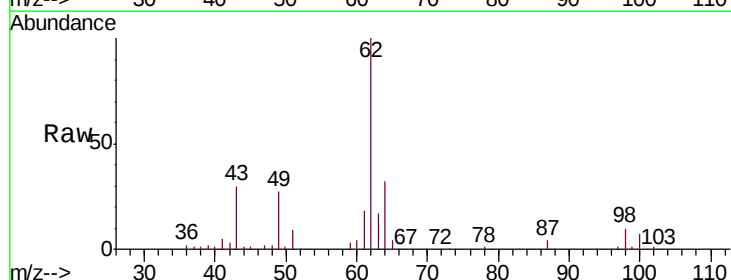
RT: 7.54 min Scan# 1792

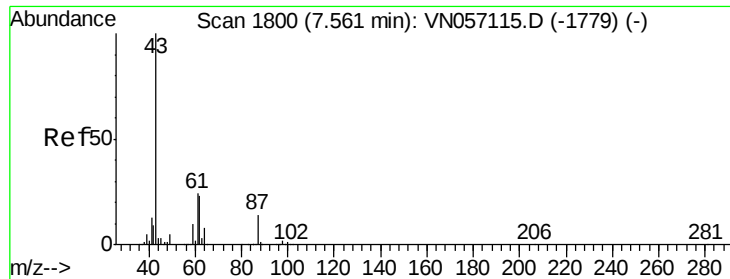
Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43
Isopropyl Acetate
Concen: 46.310 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

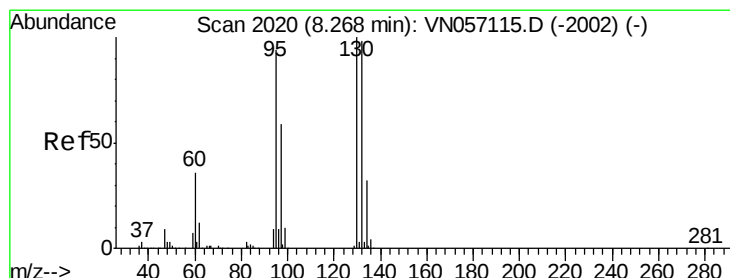
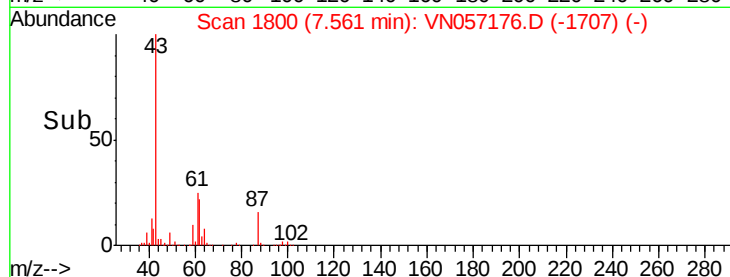
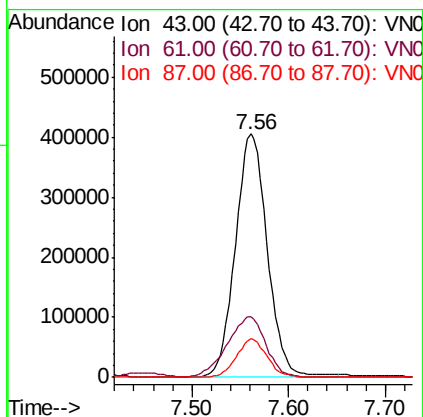
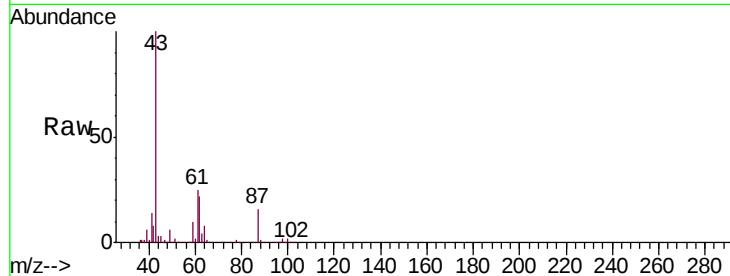
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.2	36.2
87	15.2	11.8	17.8

Manual Integrations
APPROVED

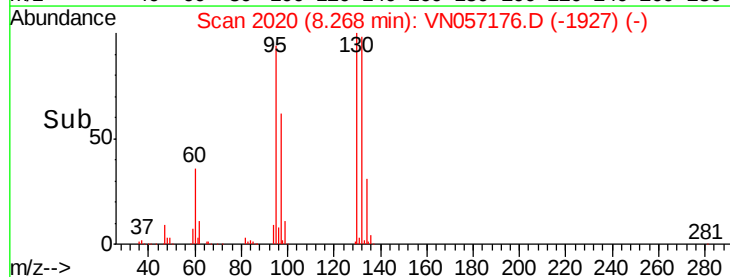
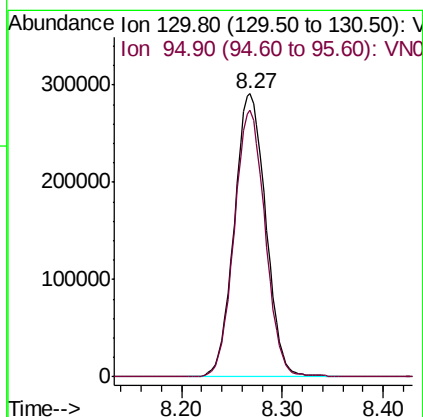
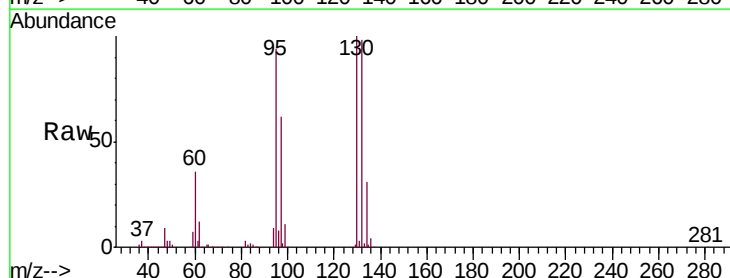
MMDadoda

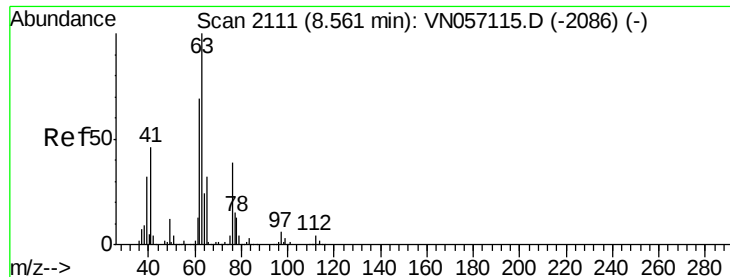
8/12/2019 3:41:24 PM



#44
Trichloroethene
Concen: 49.942 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	187.4





#45
 1,2-Dichloropropane
 Concen: 49.140 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

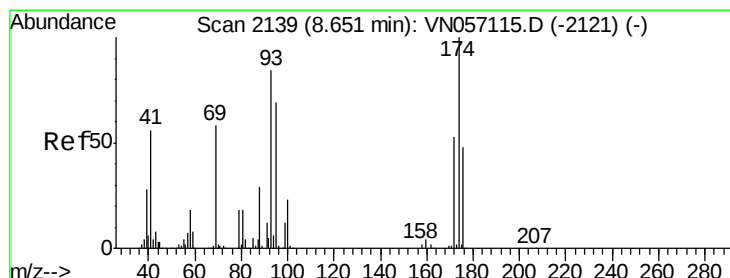
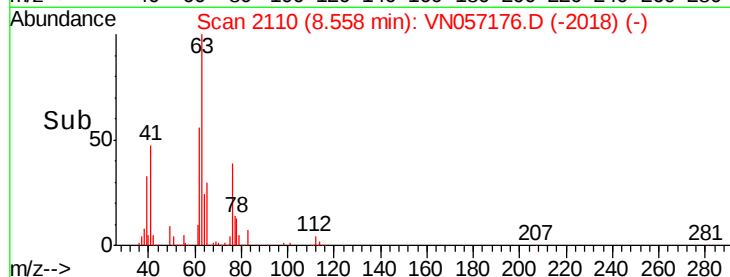
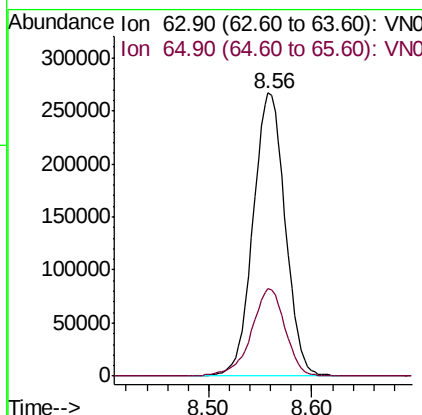
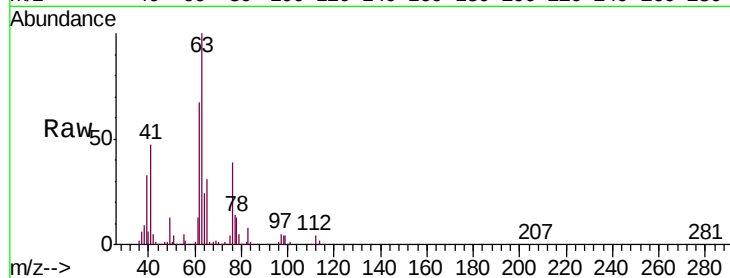
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

Manual Integrations
 APPROVED

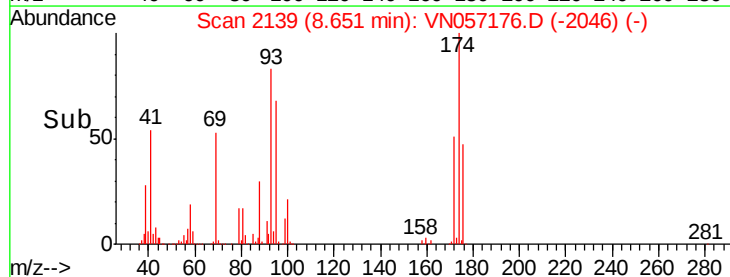
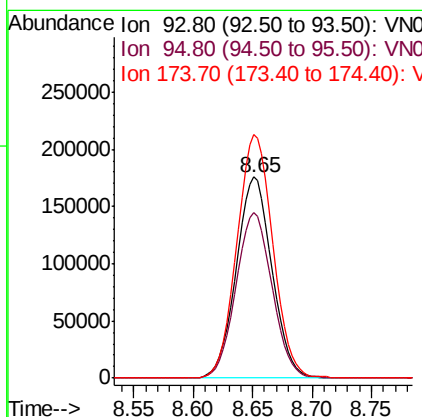
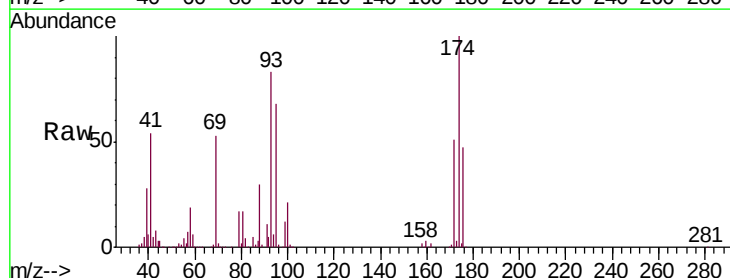
MMDadoda

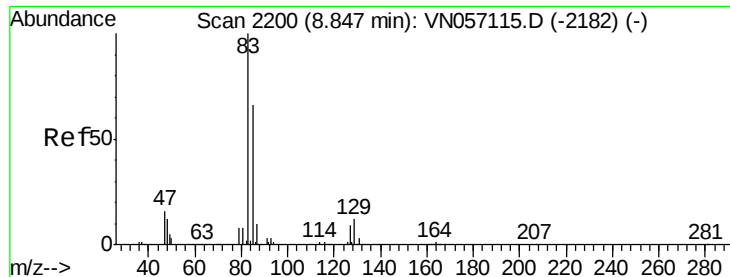
8/12/2019 3:41:24 PM



#46
 Dibromomethane
 Concen: 48.735 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.0	99.0
174	122.1	96.0	144.0





#47

Bromodichloromethane

Concen: 50.844 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

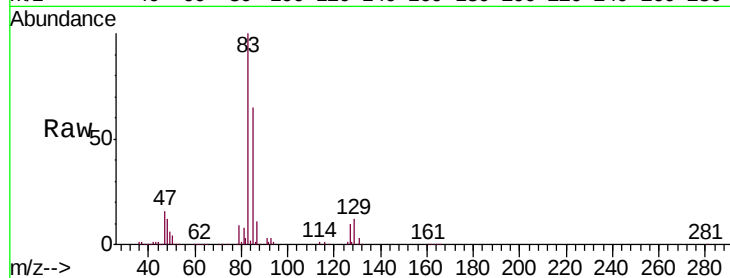
VSTDCCC050

Tgt Ion:	83	Resp:	737691
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8
127	9.7	7.5	11.3

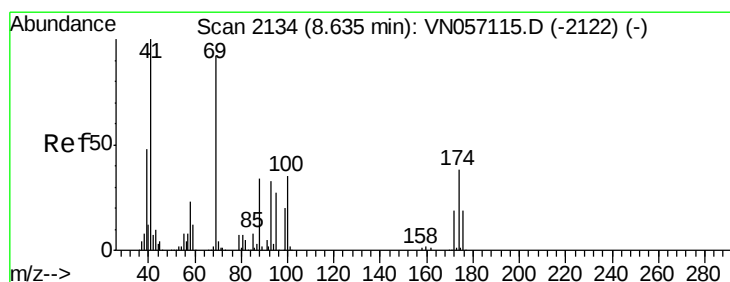
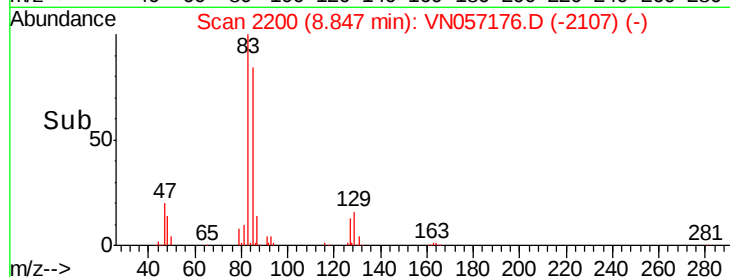
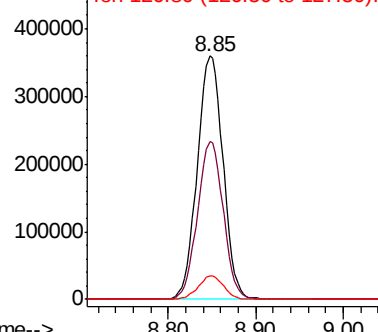
Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 45.274 ug/l

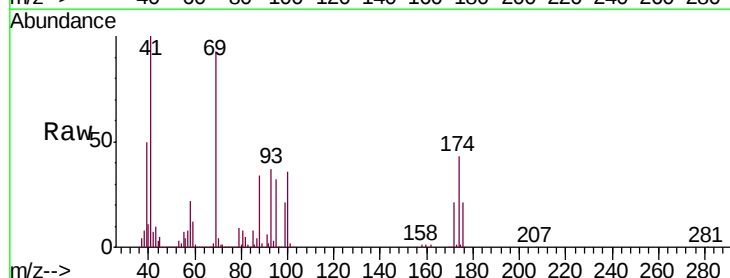
RT: 8.63 min Scan# 2134

Delta R.T. 0.00 min

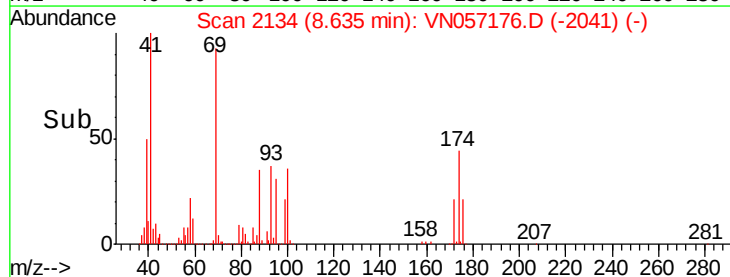
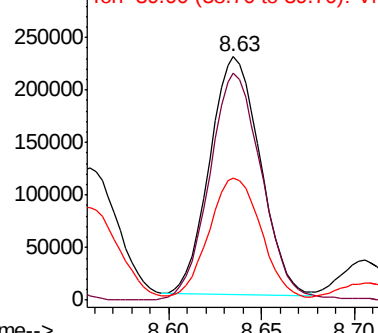
Lab File: VN057176.D

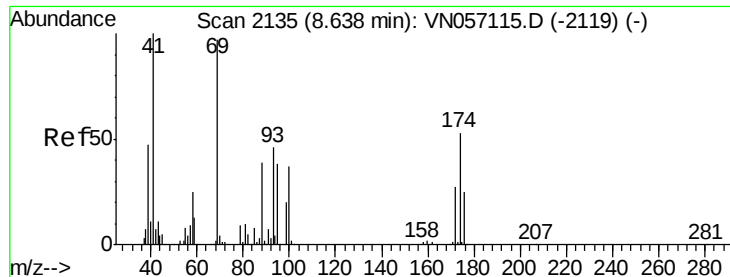
Acq: 11 Aug 2019 10:02

Tgt Ion:	41	Resp:	428476
Ion	Ratio	Lower	Upper
41	100		
69	98.5	77.5	116.3
39	50.8	39.8	59.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49
1,4-Dioxane
Concen: 965.760 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

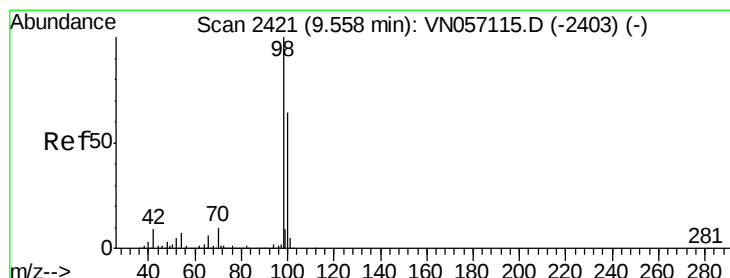
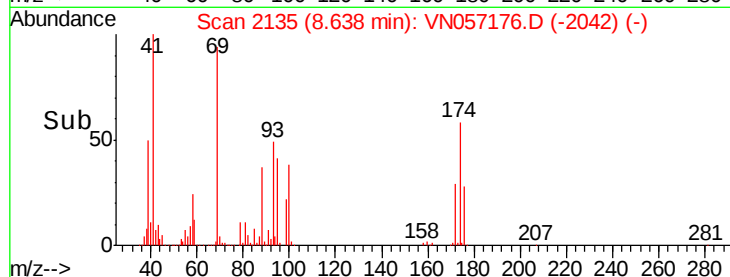
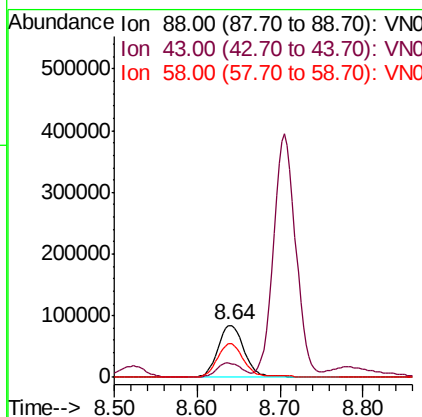
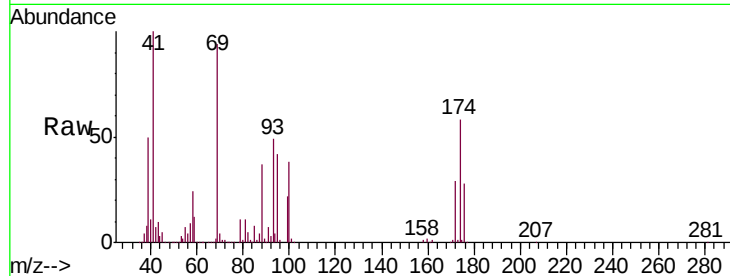
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.1	21.7	32.5
58	63.4	51.1	76.7

Manual Integrations
APPROVED

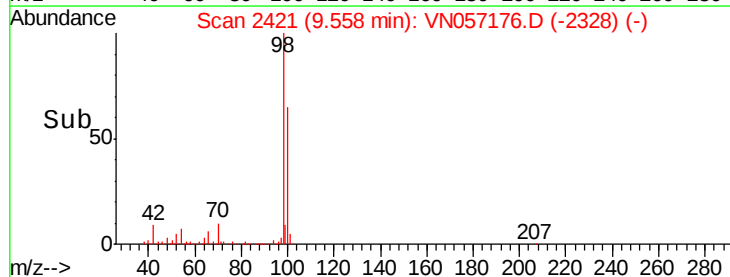
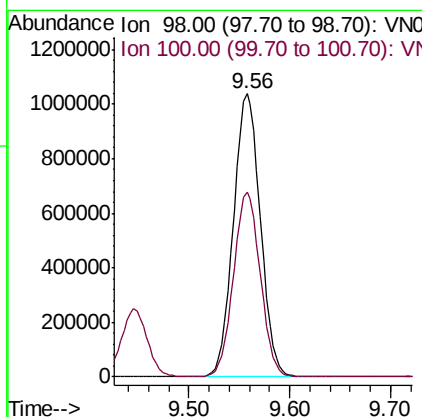
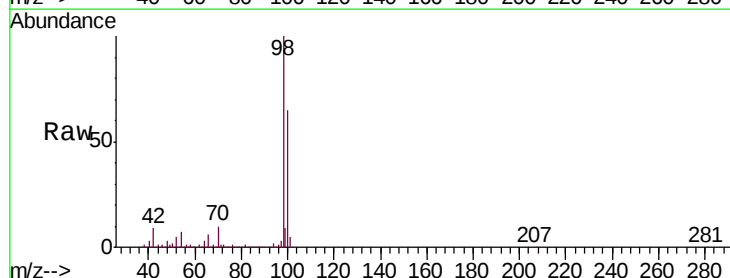
MMDadoda

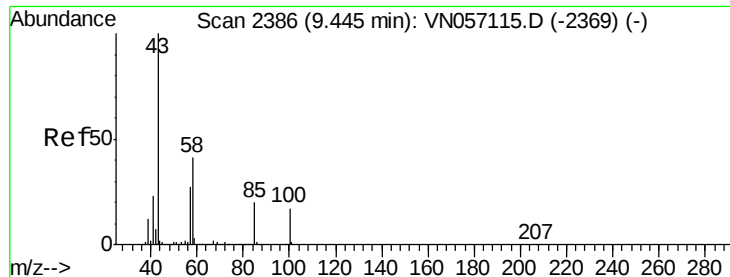
8/12/2019 3:41:24 PM



#50
Toluene-d8
Concen: 46.349 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51
4-Methyl-2-Pentanone
Concen: 228.221 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

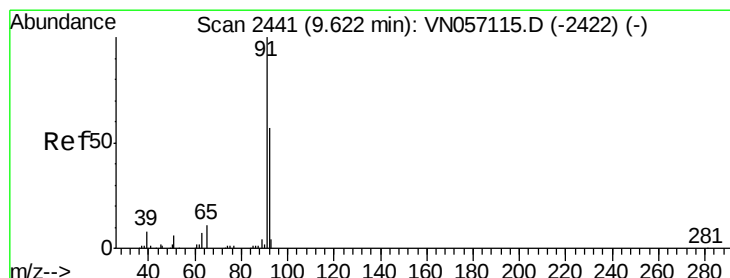
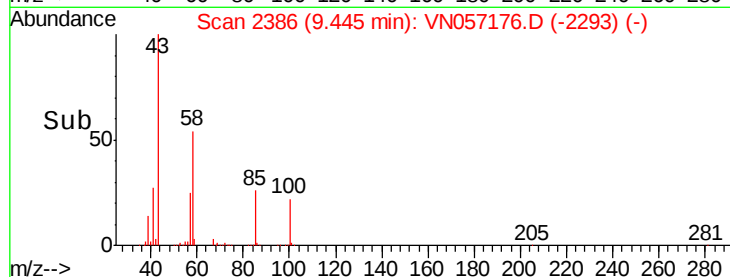
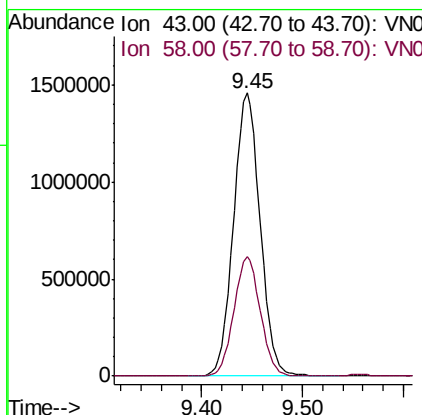
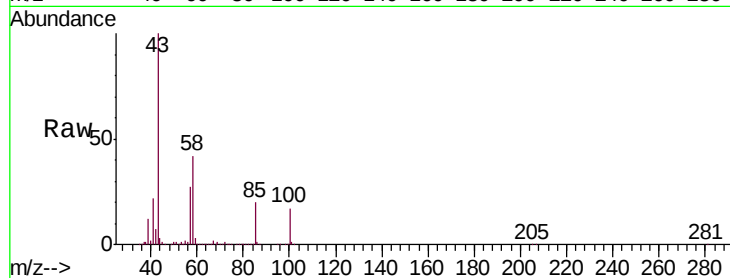
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2665785
Ion Ratio Lower Upper
43 100
58 41.9 33.2 49.8

Manual Integrations
APPROVED

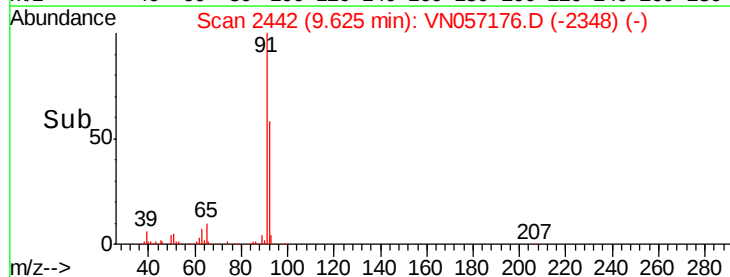
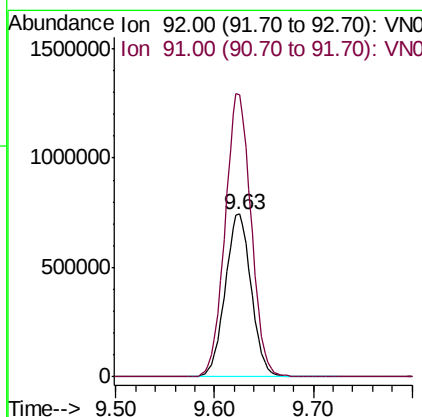
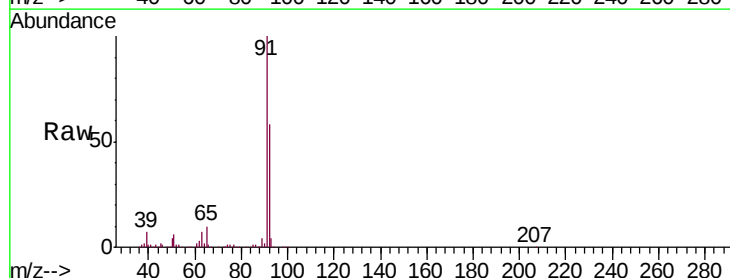
MMDadoda

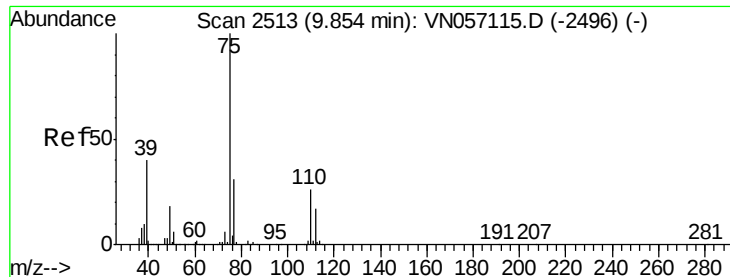
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#52
Toluene
Concen: 48.962 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion: 92 Resp: 1372648
Ion Ratio Lower Upper
92 100
91 174.3 139.8 209.8





#53
t-1,3-Dichloropropene
Concen: 51.858 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

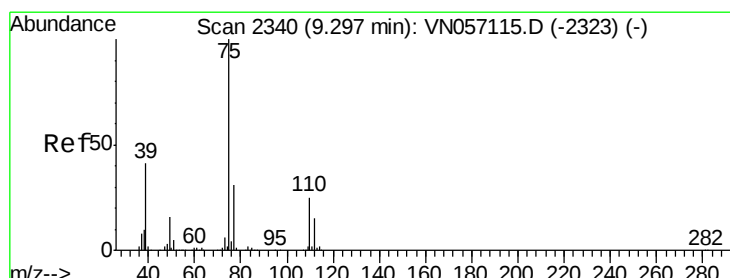
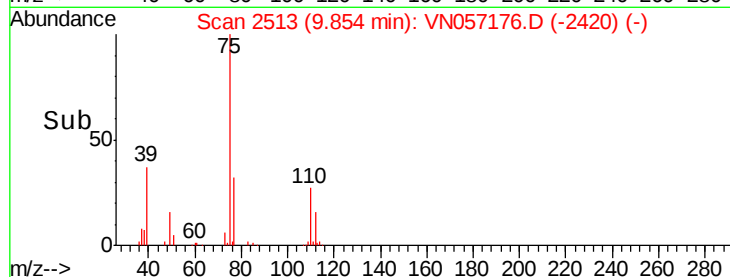
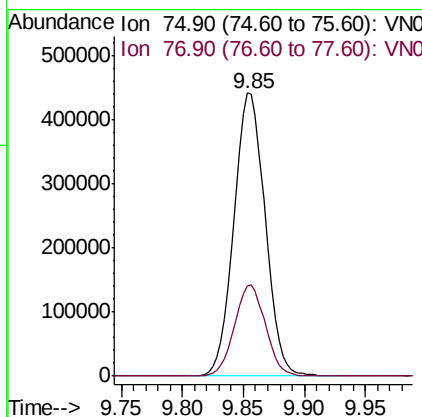
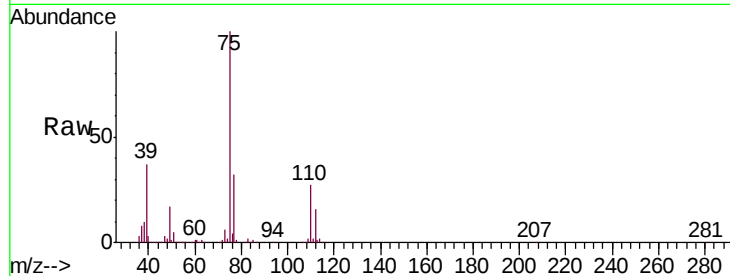
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 786016
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2

Manual Integrations
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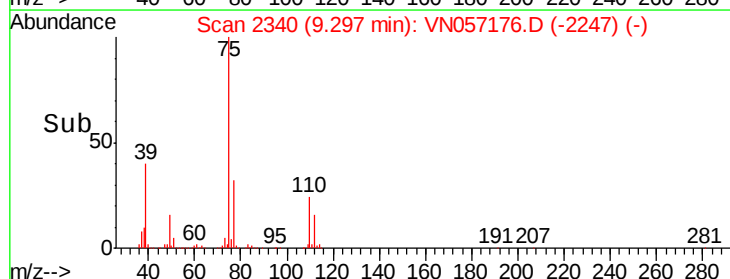
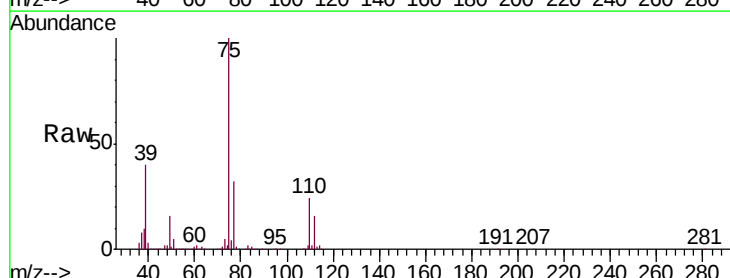
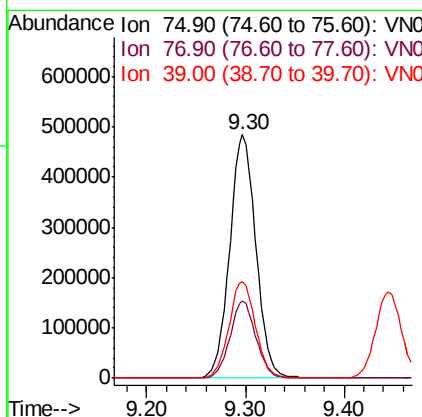
MMDadoda

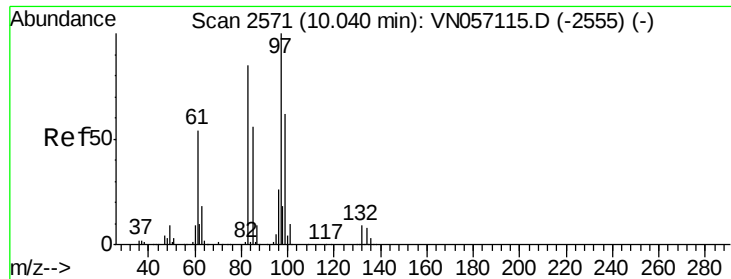
8/12/2019 3:41:24 PM



#54
cis-1,3-Dichloropropene
Concen: 51.620 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion: 75 Resp: 897799
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 39.8 32.5 48.7





#55

1,1,2-Trichloroethane

Concen: 47.676 ug/l

RT: 10.04 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

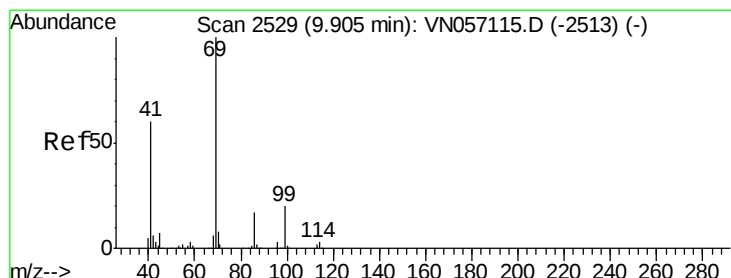
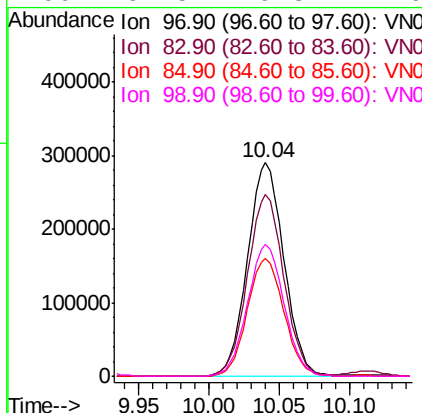
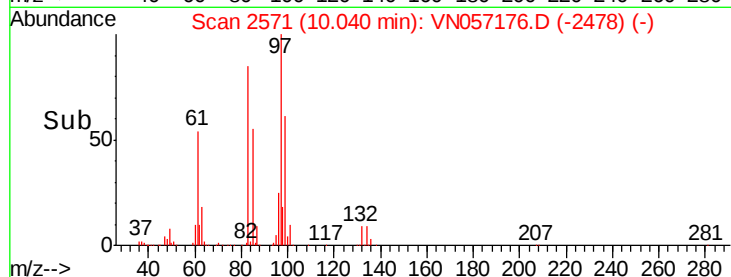
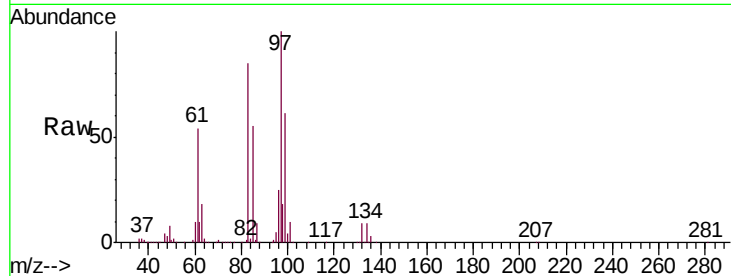
VSTDCCC050

Tgt Ion:	97	Resp:	525600
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.8	101.8
85	55.0	44.4	66.6
99	61.5	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.756 ug/l

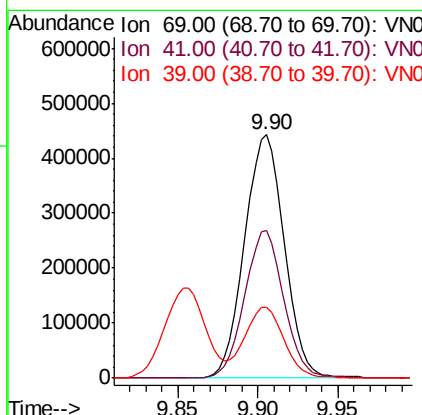
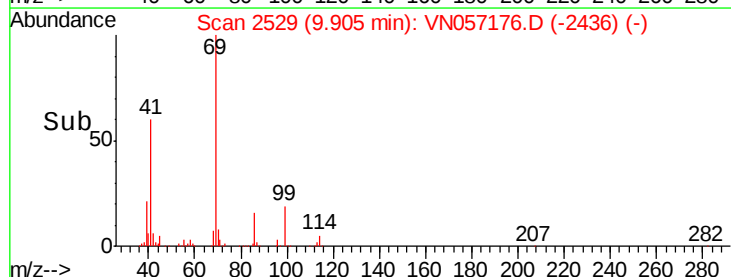
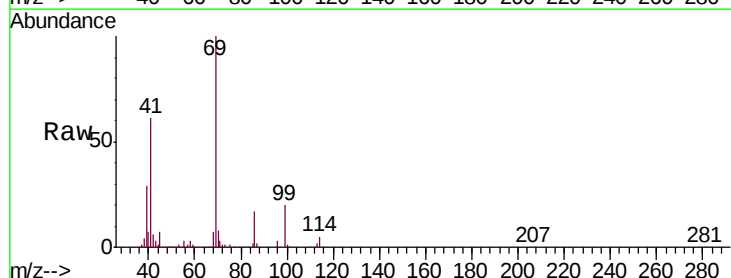
RT: 9.90 min Scan# 2529

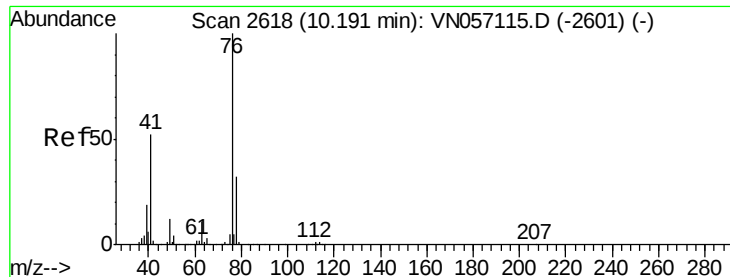
Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion:	69	Resp:	752597
Ion	Ratio	Lower	Upper
69	100		
41	59.1	48.1	72.1
39	29.2	23.6	35.4





#57
 1,3-Dichloropropane
 Concen: 47.378 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

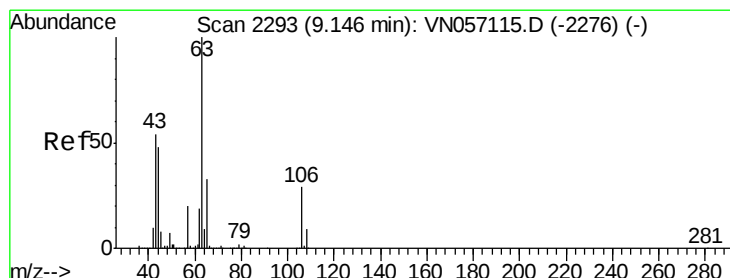
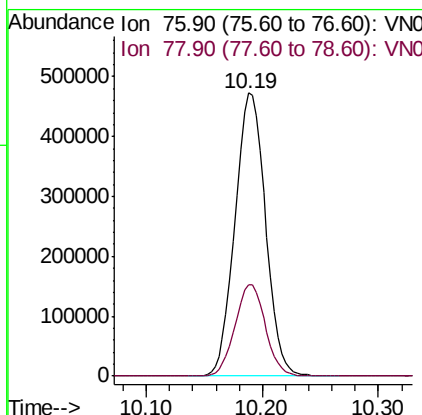
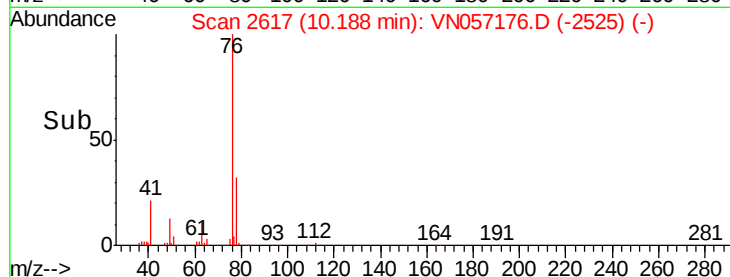
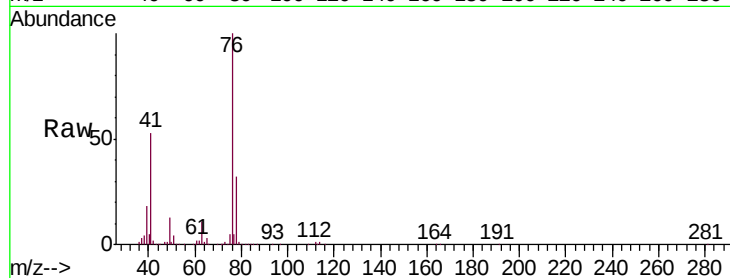
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 76 Resp: 861362
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

Manual Integrations
 APPROVED

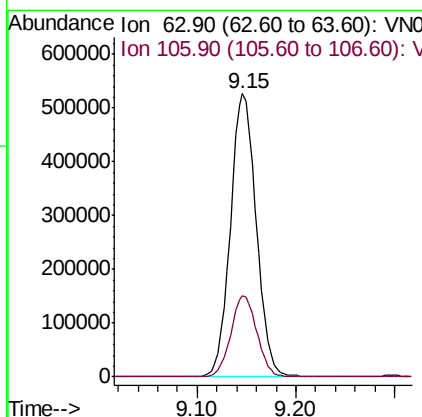
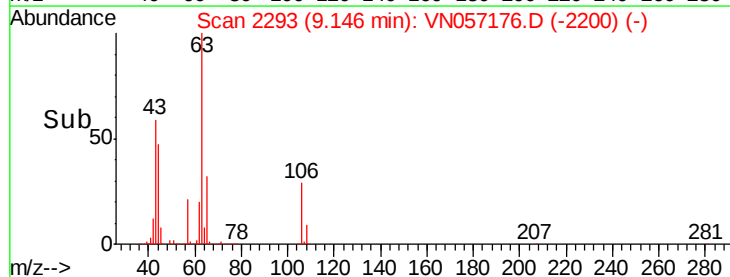
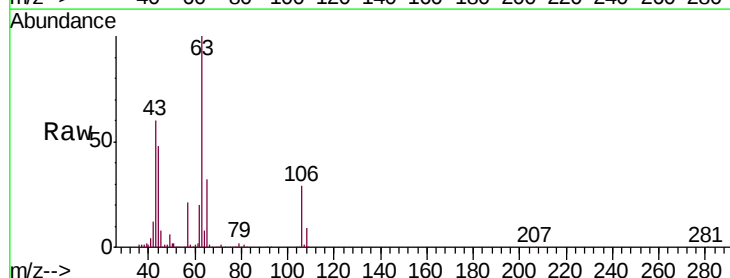
MMDadoda

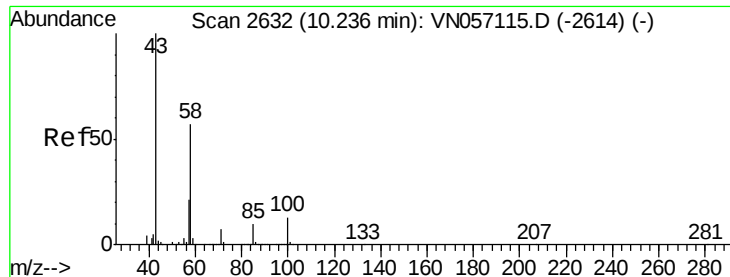
8/12/2019 3:41:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 161.240 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion: 63 Resp: 962186
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.6 33.8





#59
2-Hexanone
Concen: 246.410 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

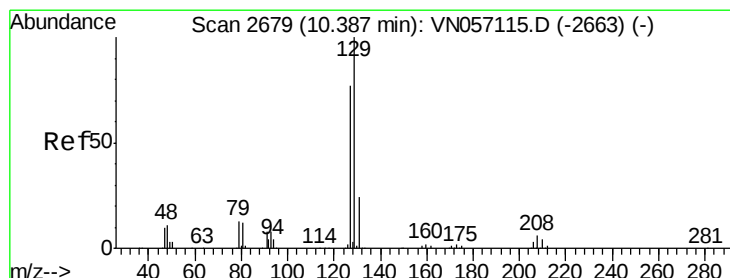
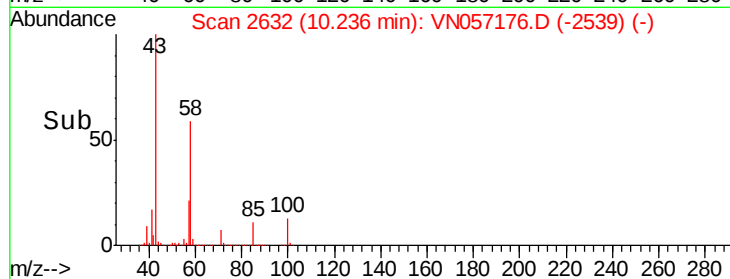
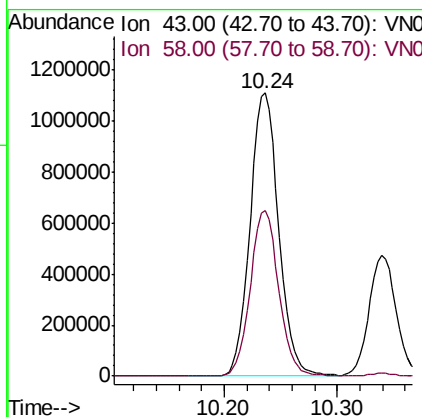
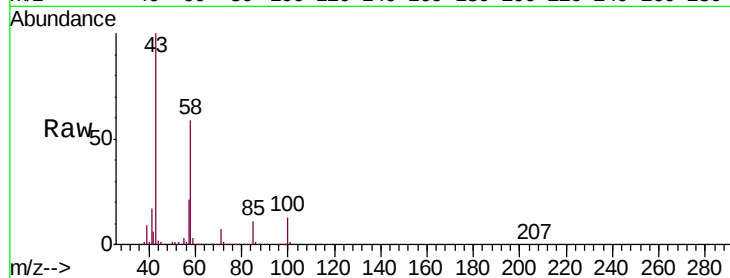
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1947972
Ion Ratio Lower Upper
43 100
58 58.3 29.2 87.6

Manual Integrations
APPROVED

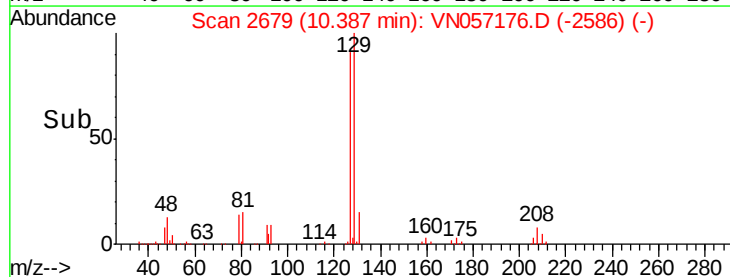
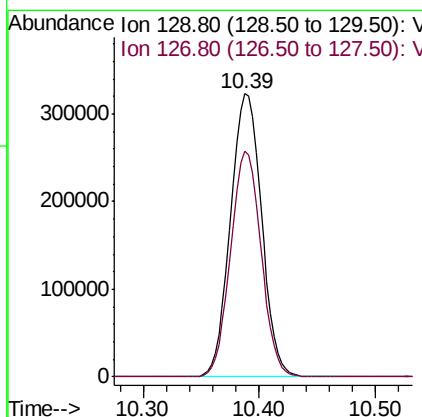
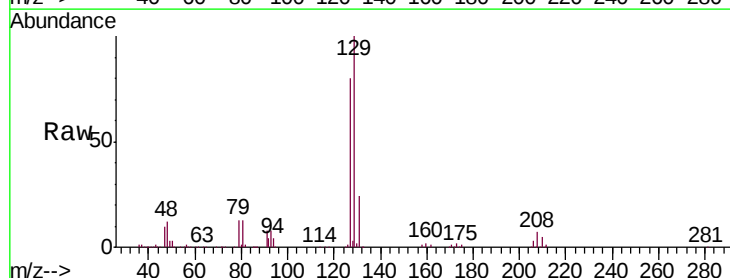
MMDadoda

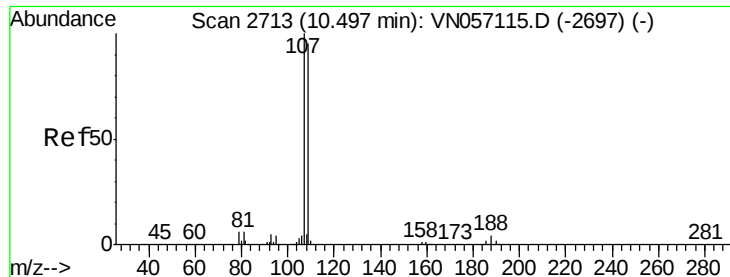
8/12/2019 3:41:24 PM



#60
Dibromochloromethane
Concen: 51.774 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion: 129 Resp: 599460
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61
1,2-Dibromoethane
Concen: 47.769 ug/l
RT: 10.50 min Scan# 2713
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

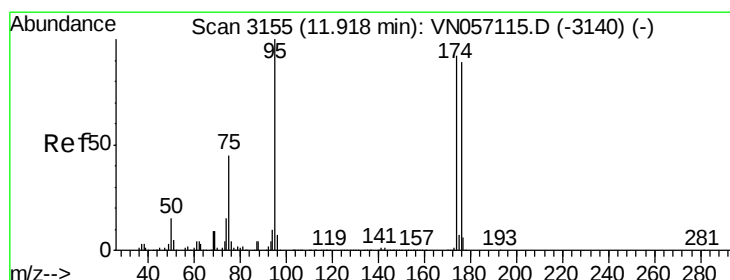
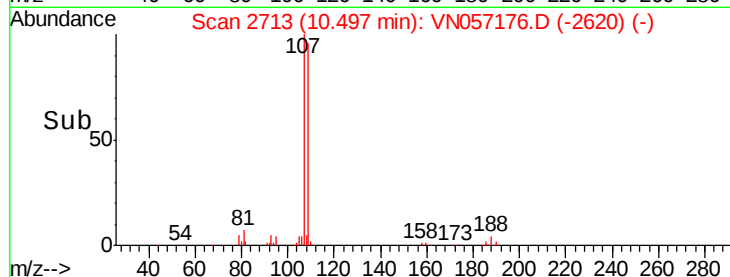
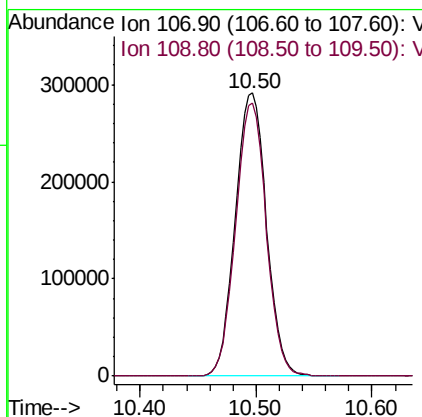
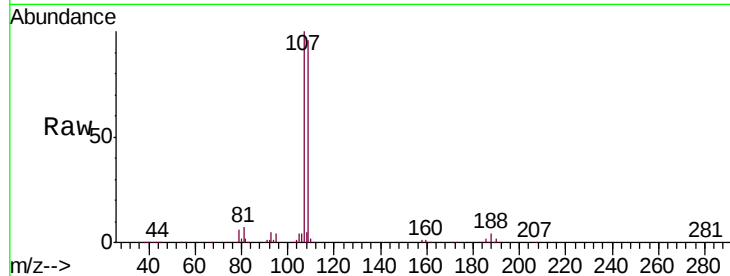
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

Manual Integrations
APPROVED

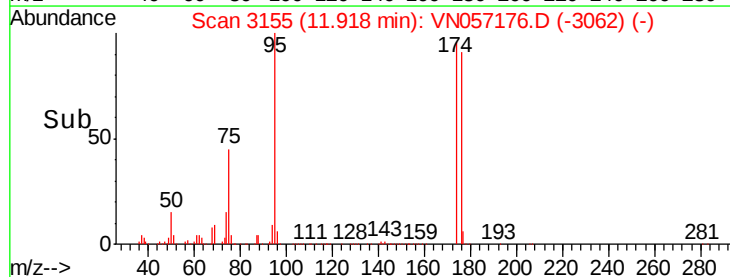
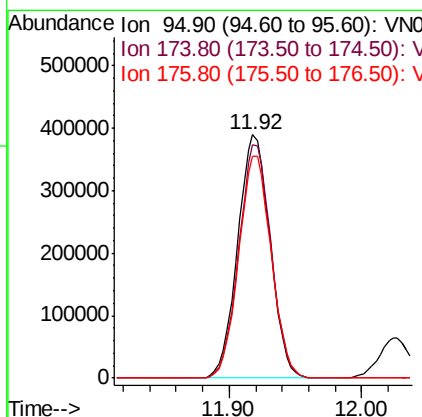
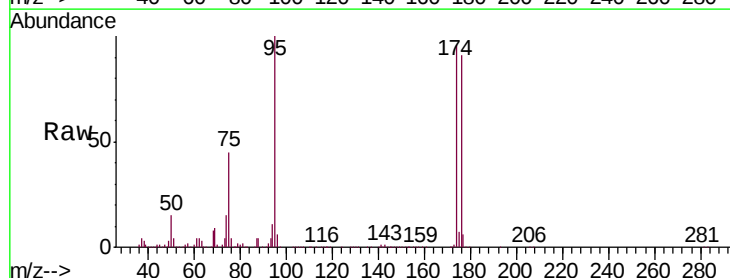
MMDadoda

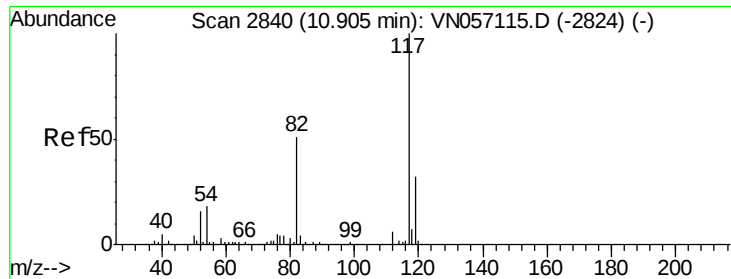
8/12/2019 3:41:24 PM



#62
4-Bromofluorobenzene
Concen: 49.165 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	185.0
176	91.6	0.0	181.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

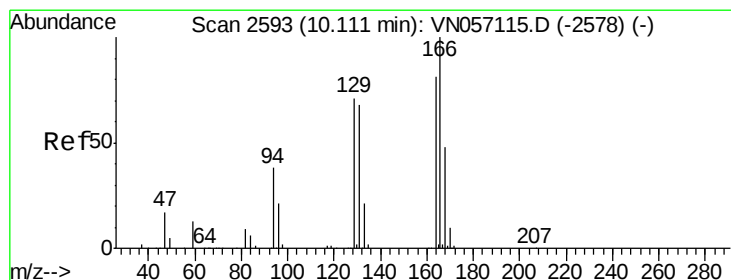
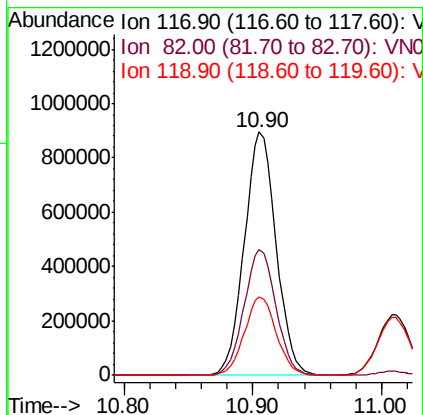
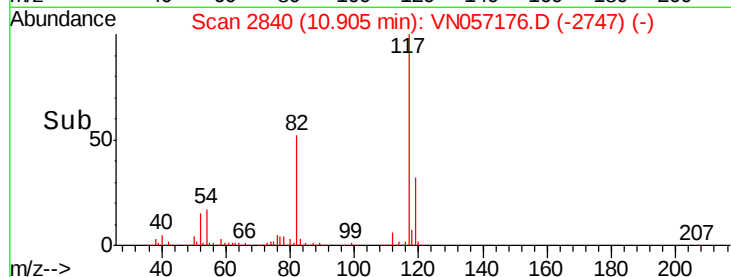
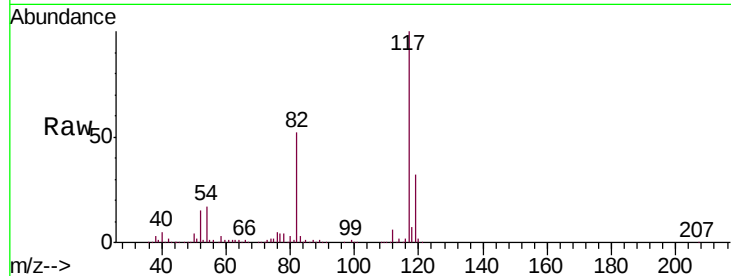
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.8	61.2
119	32.3	25.7	38.5

Manual Integrations
APPROVED

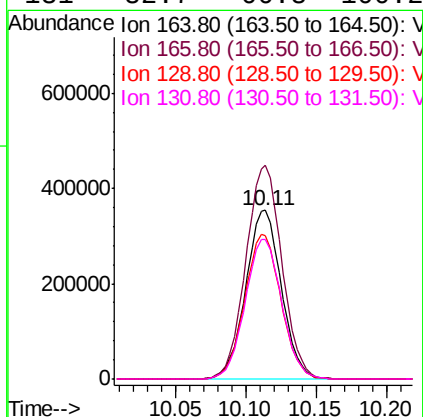
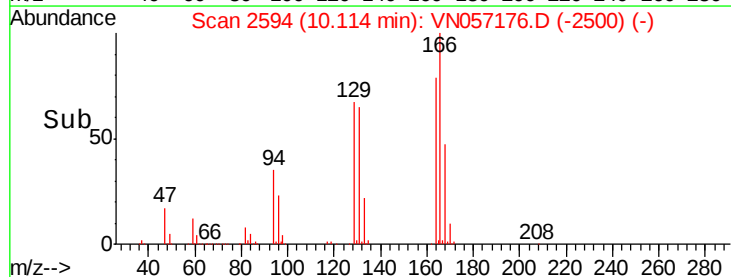
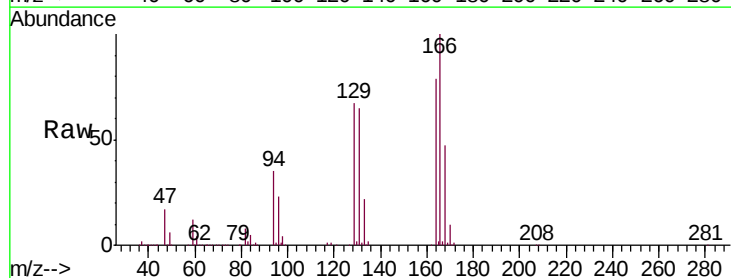
MMDadoda

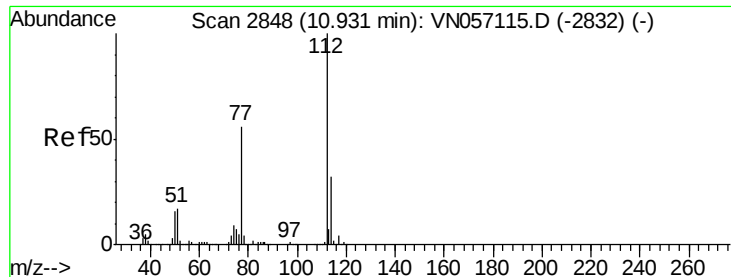
8/12/2019 3:41:24 PM



#64
Tetrachloroethene
Concen: 48.878 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	98.3	147.5
129	84.7	69.8	104.6
131	82.7	66.8	100.2





#65

Chlorobenzene

Concen: 49.012 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1517840

Ion Ratio Lower Upper

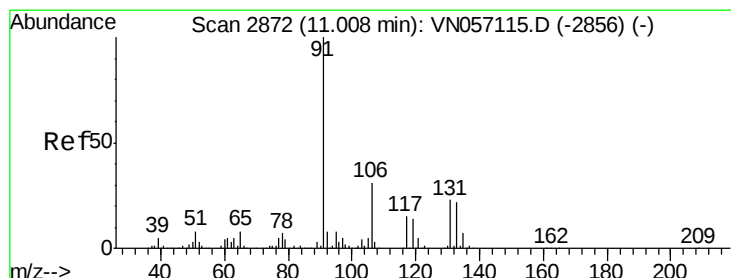
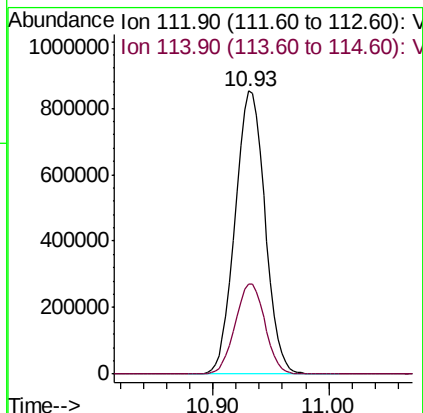
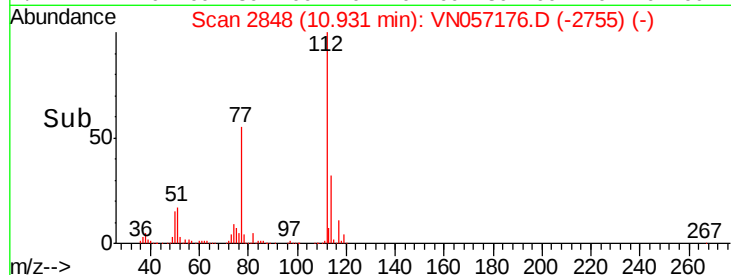
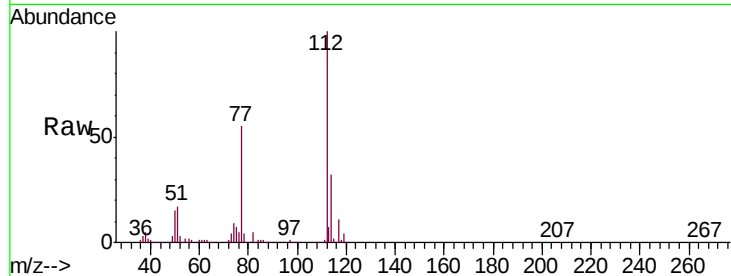
112 100

114 32.1 25.4 38.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.950 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

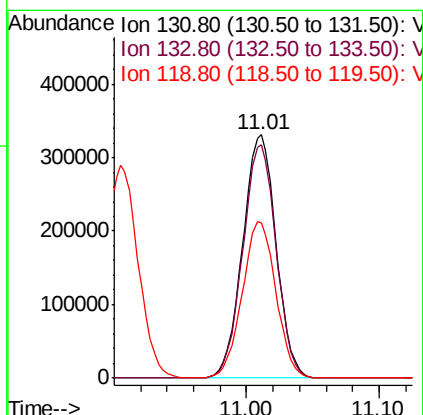
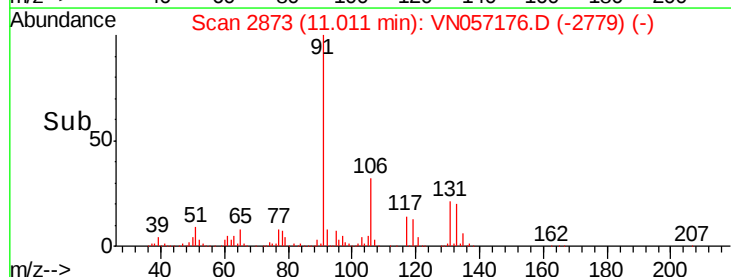
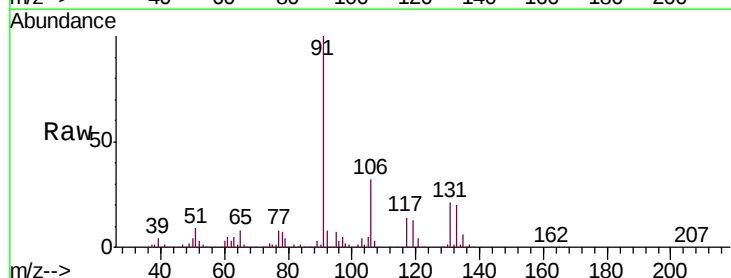
Tgt Ion:131 Resp: 578315

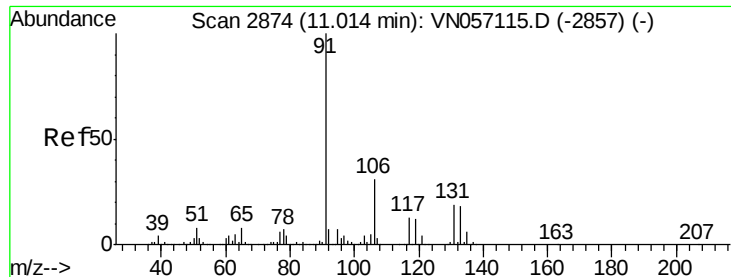
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.8

119 64.8 32.6 97.7





#67

Ethyl Benzene

Concen: 49.855 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2657262

Ion Ratio Lower Upper

91 100

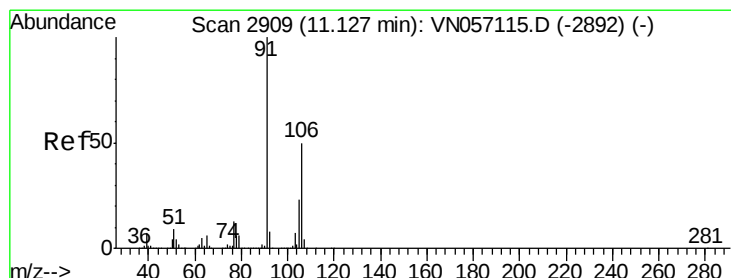
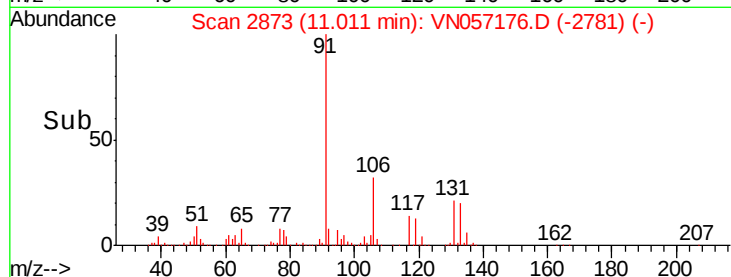
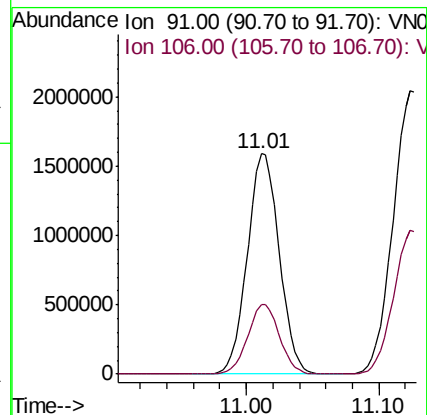
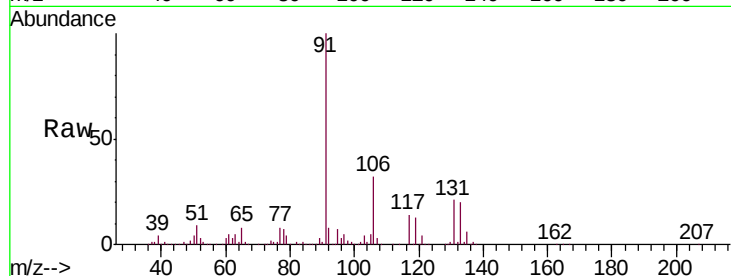
106 31.5 25.0 37.4

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 102.616 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057176.D

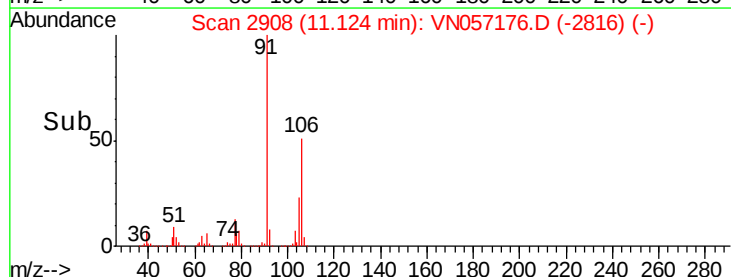
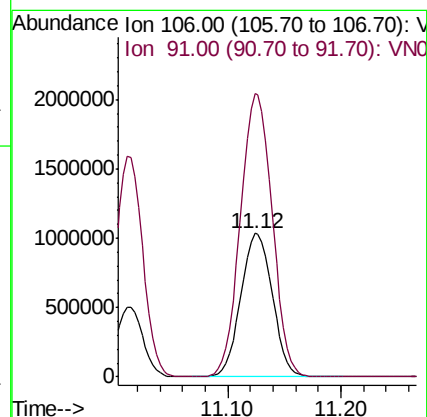
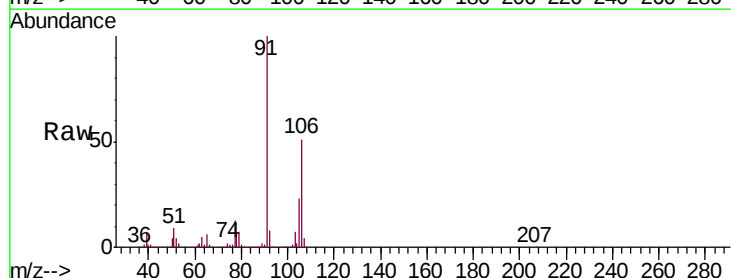
Acq: 11 Aug 2019 10:02

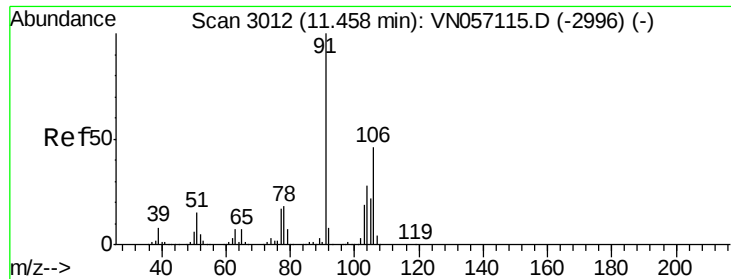
Tgt Ion: 106 Resp: 2014959

Ion Ratio Lower Upper

106 100

91 198.6 159.8 239.8





#69
o-Xylene
Concen: 50.057 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

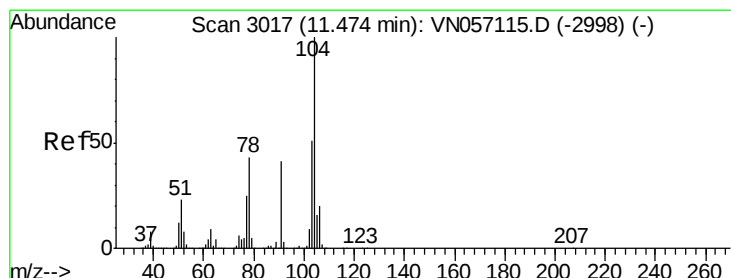
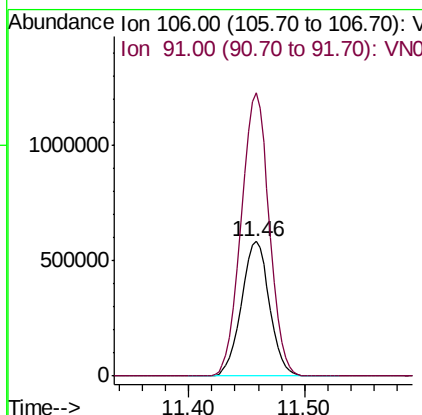
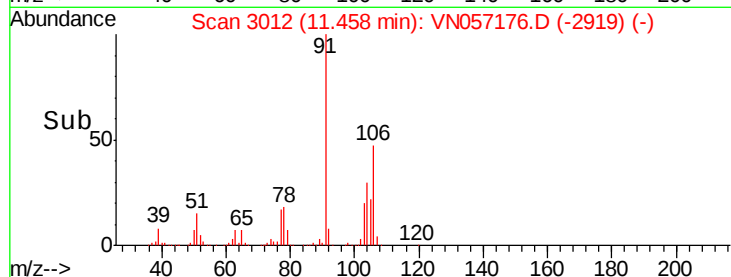
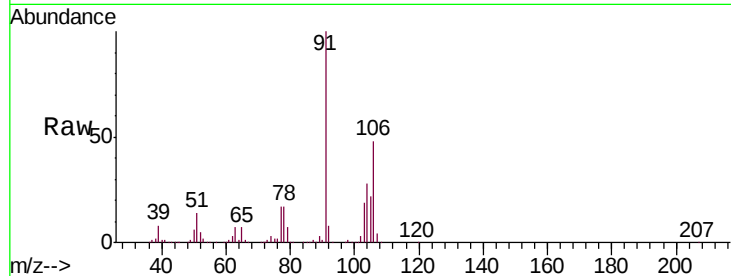
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 978237
Ion Ratio Lower Upper
106 100
91 210.1 106.8 320.5

Manual Integrations
APPROVED

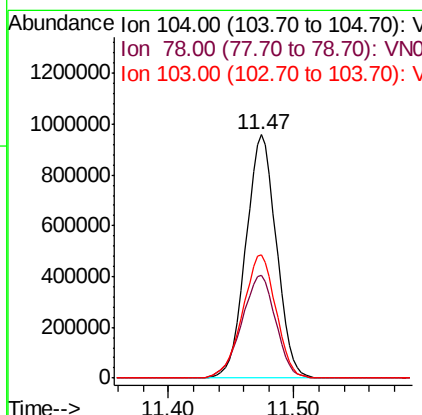
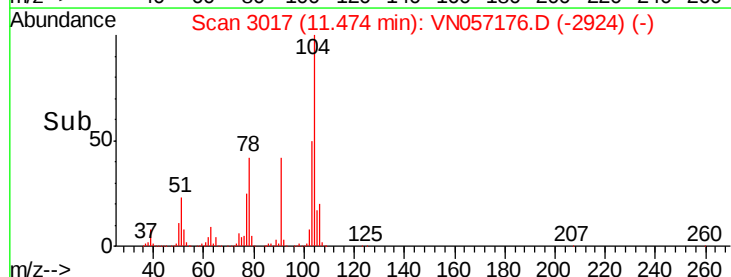
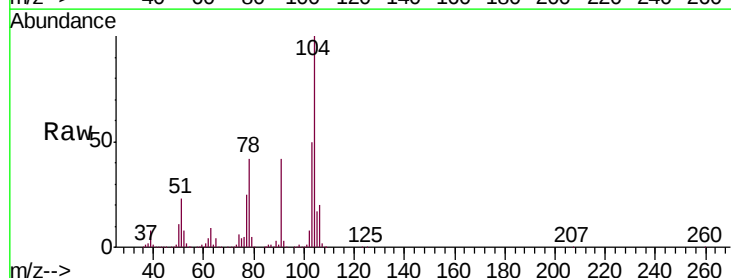
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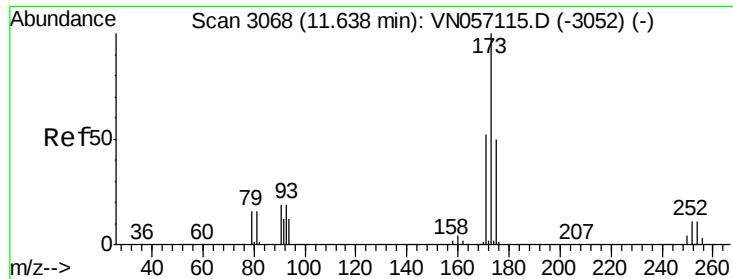
8/12/2019 3:41:24 PM



#70
Styrene
Concen: 53.147 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion:104 Resp: 1622281
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 55.3 44.6 66.8





#71
Bromoform
Concen: 51.984 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

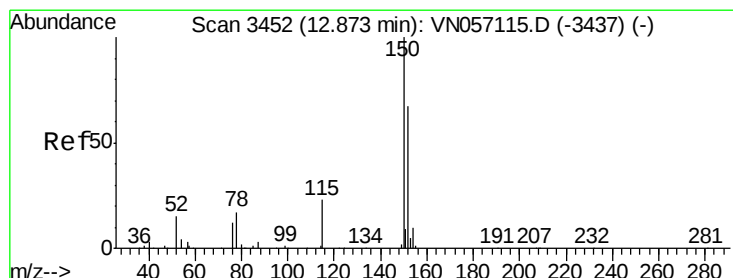
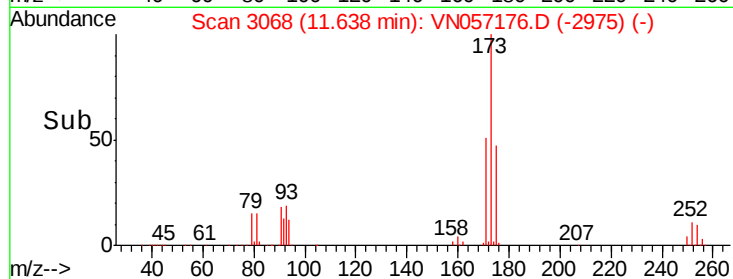
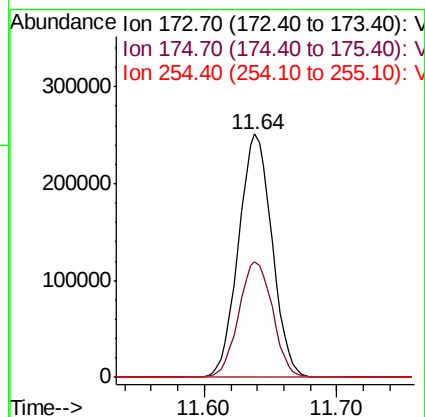
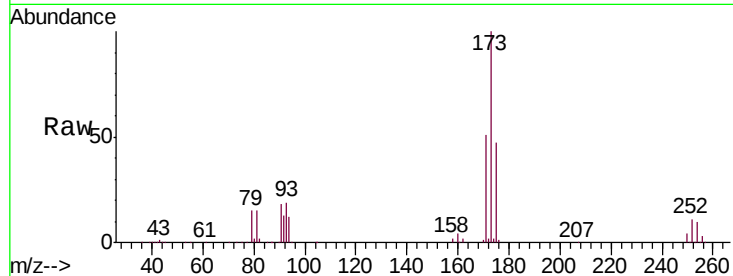
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

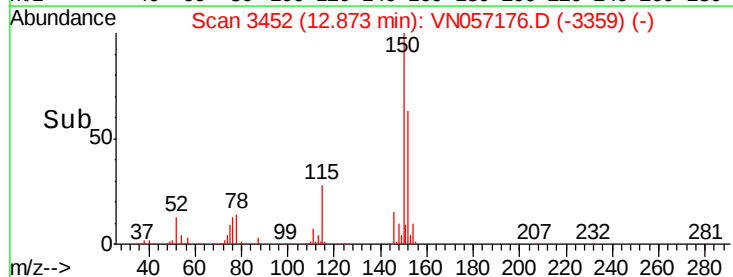
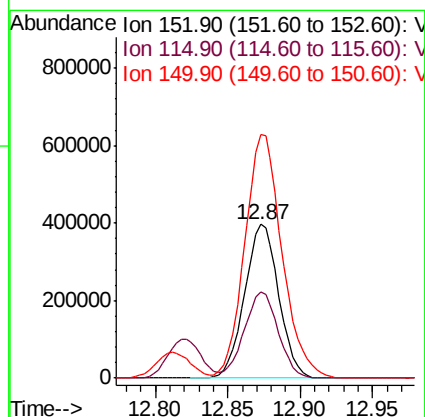
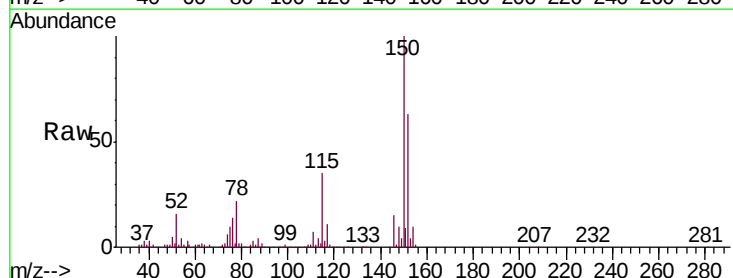
MMDadoda

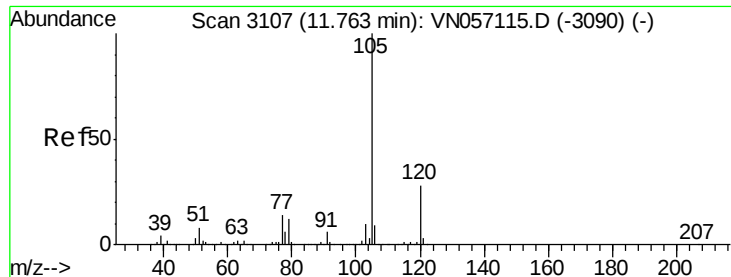
8/12/2019 3:41:24 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.5	82.5
150	173.7	0.0	341.6





#73

Isopropylbenzene

Concen: 50.166 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2641669

Ion Ratio Lower Upper

105 100

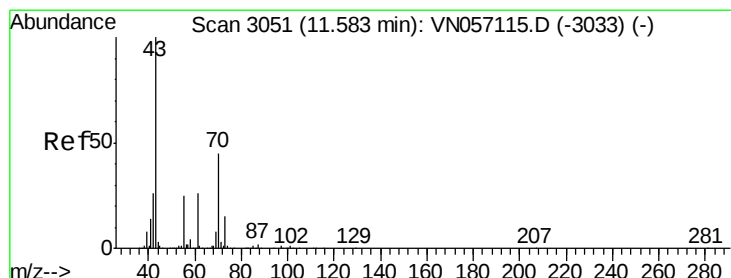
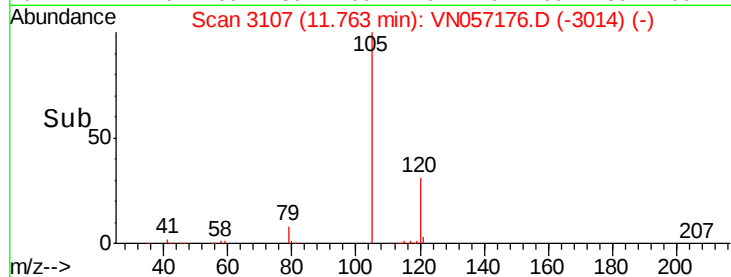
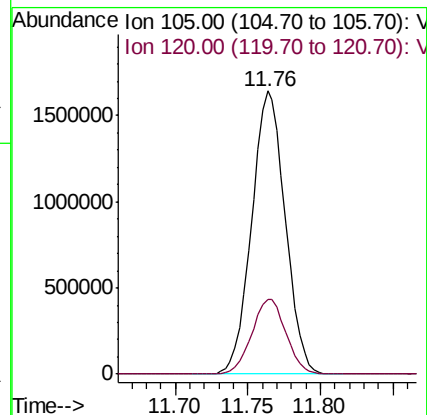
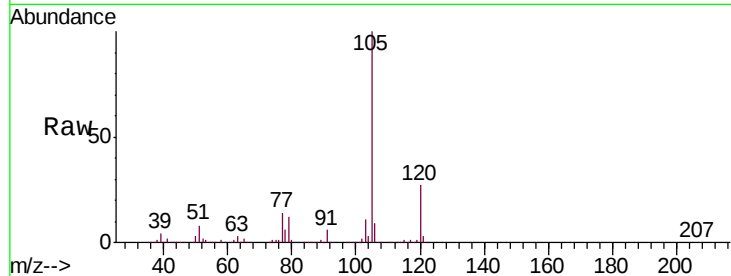
120 26.9 13.7 41.0

Manual Integrations

APPROVED

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#74

N-ethyl acetate

Concen: 44.218 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion: 43 Resp: 724574

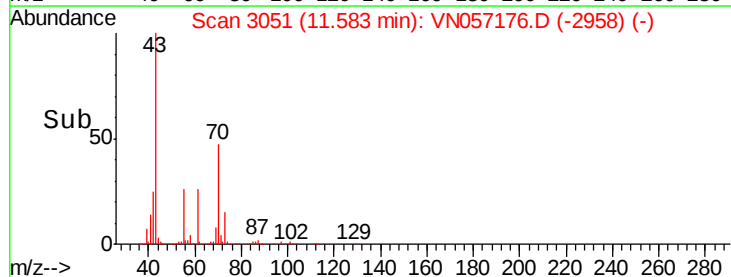
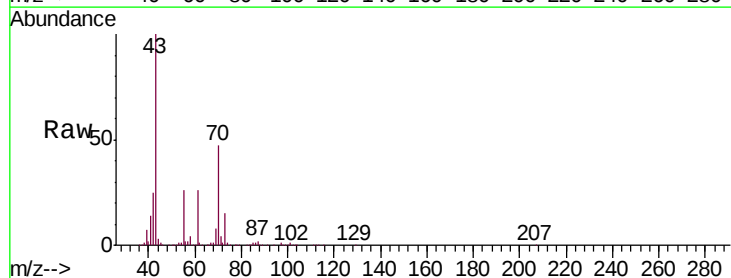
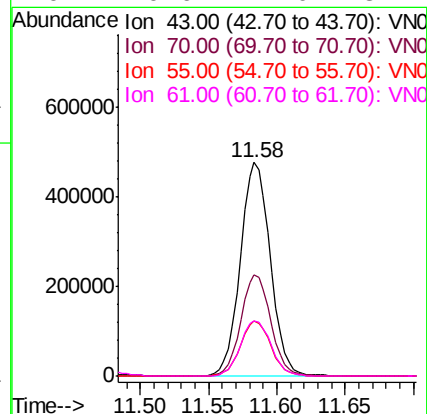
Ion Ratio Lower Upper

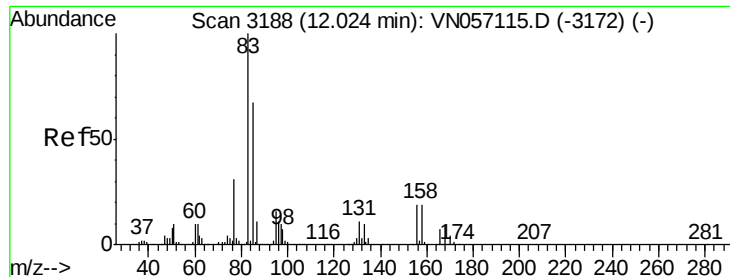
43 100

70 47.1 36.8 55.2

55 26.2 20.6 31.0

61 26.6 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.106 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 83 Resp: 693524
Ion Ratio Lower Upper

83 100

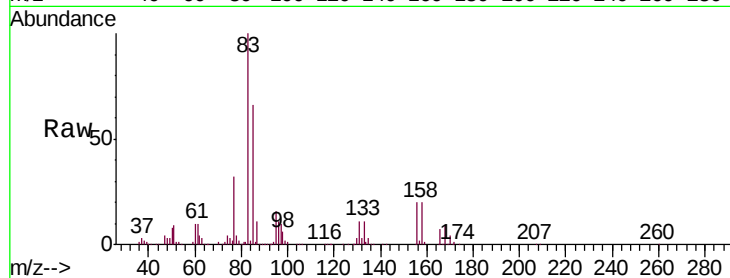
131 11.0 5.5 16.4

85 65.2 32.4 97.0

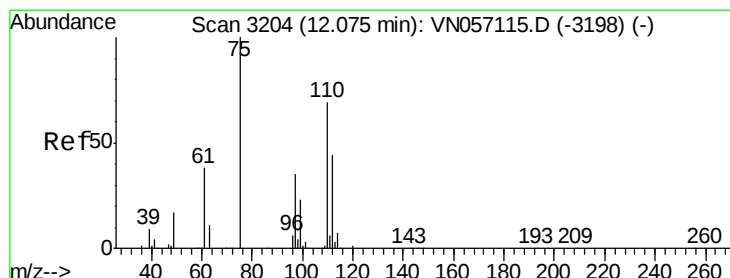
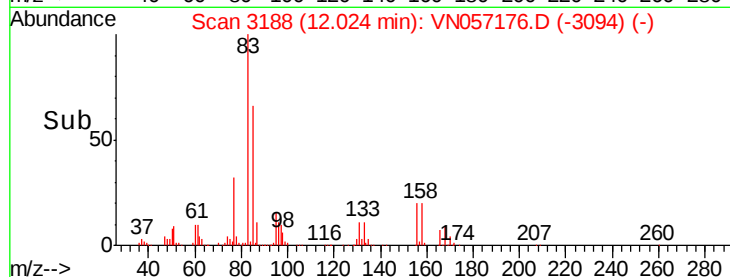
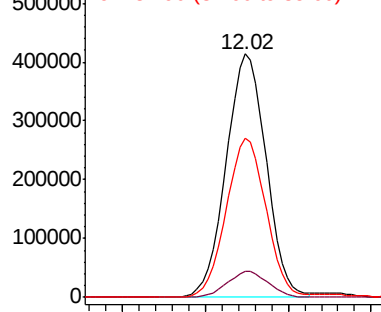
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 46.997 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

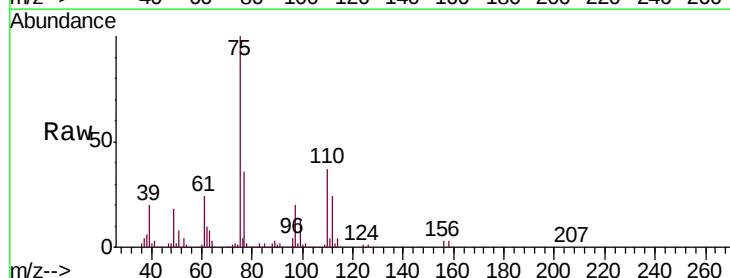
Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

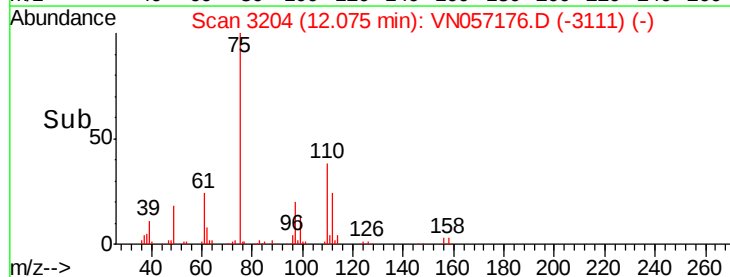
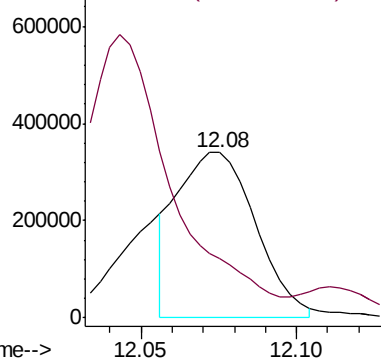
Tgt Ion: 75 Resp: 595380
Ion Ratio Lower Upper

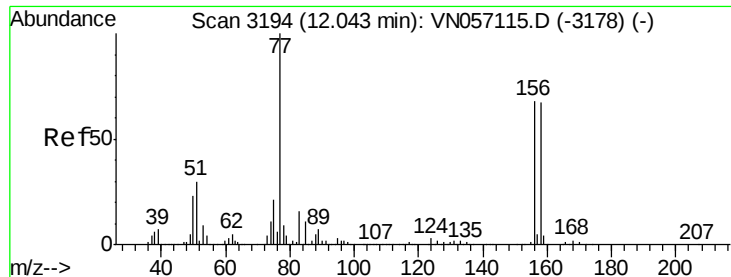
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.075 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

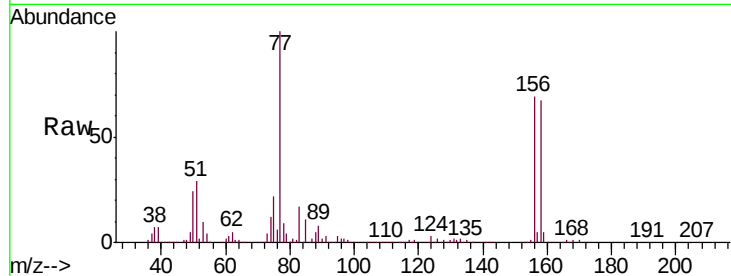
VSTDCCC050

Tgt Ion:	156	Resp:	685042
Ion Ratio	Lower	Upper	
156	100		
77	174.8	88.7	266.1
158	97.3	49.3	147.8

Manual Integrations
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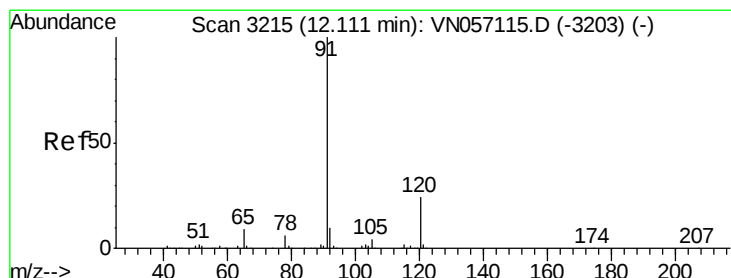
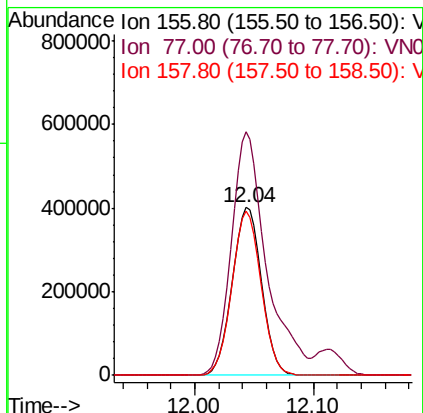
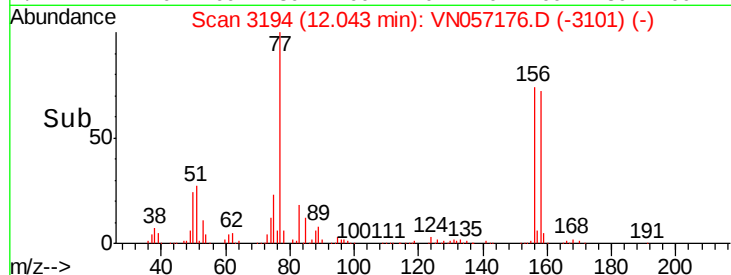
8/12/2019 3:41:24 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.485 ug/l

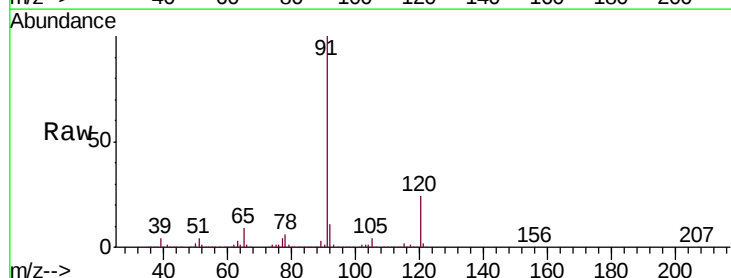
RT: 12.11 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VN057176.D

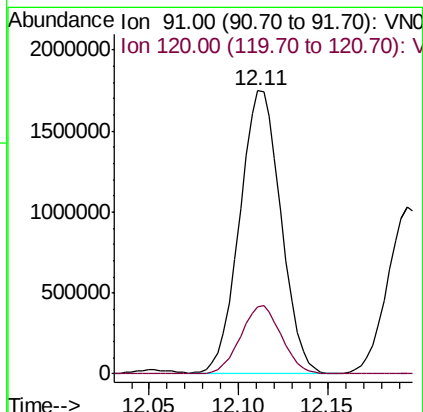
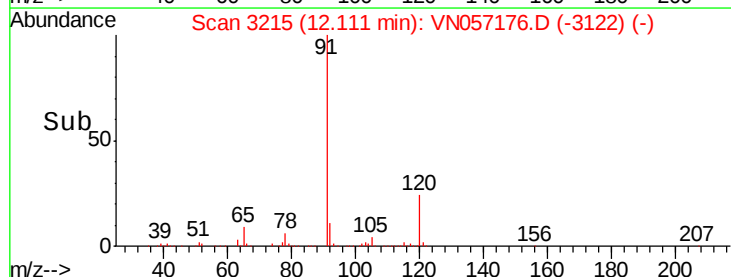
Acq: 11 Aug 2019 10:02

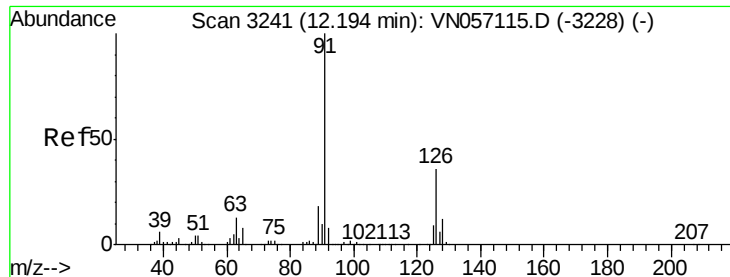
Tgt Ion:	91	Resp:	2821673
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.555 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1713433

Ion Ratio Lower Upper

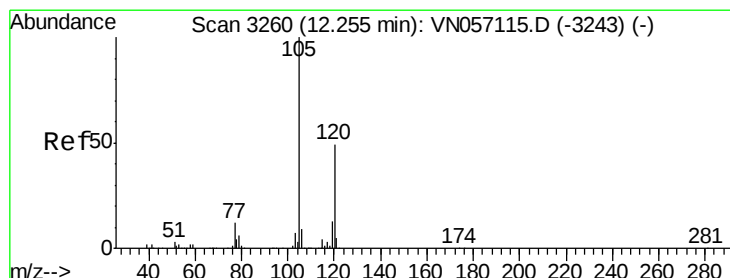
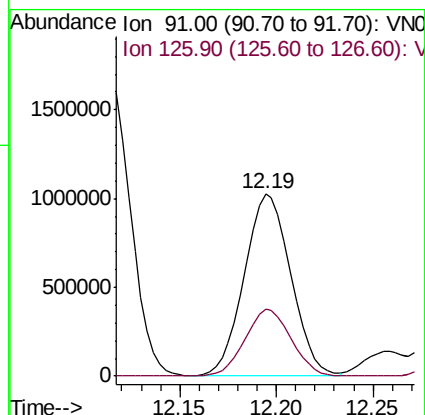
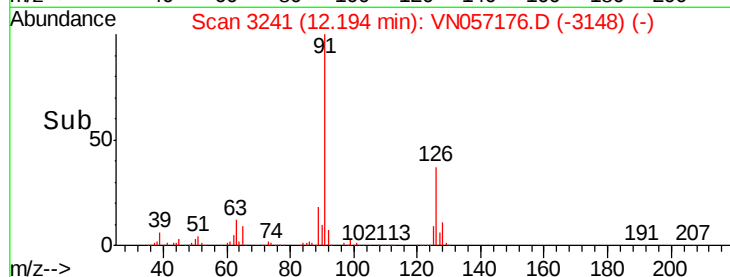
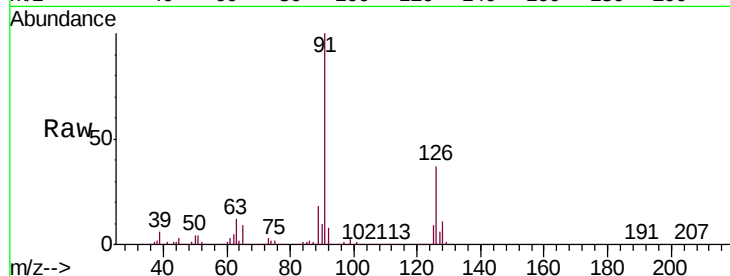
91 100

126 36.5 18.1 54.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 44.592 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057176.D

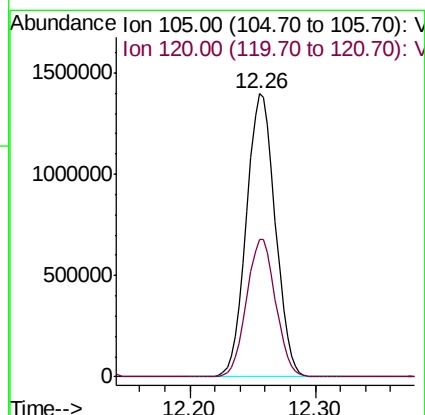
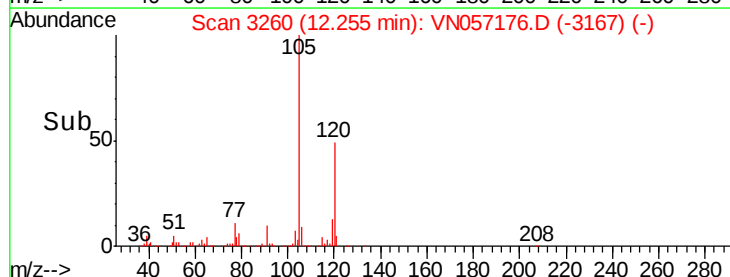
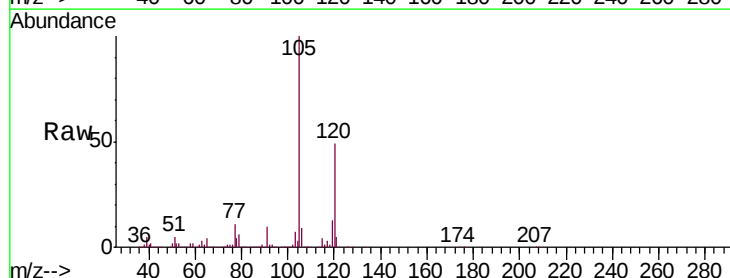
Acq: 11 Aug 2019 10:02

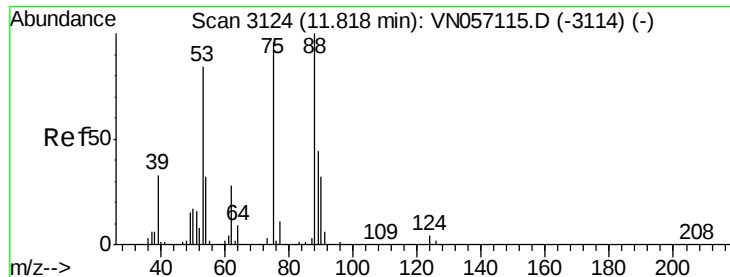
Tgt Ion: 105 Resp: 2226131

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.613 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

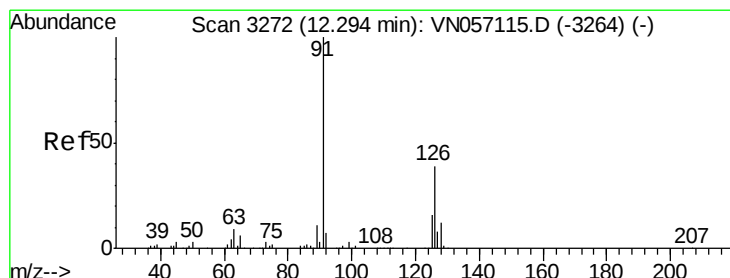
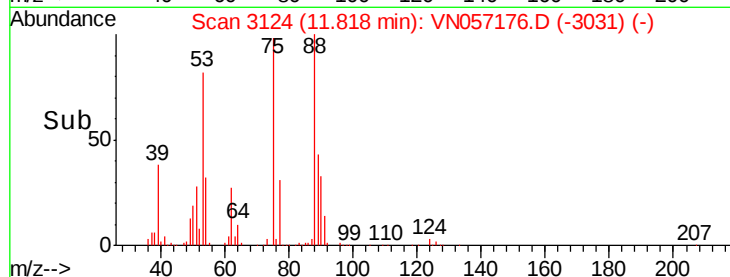
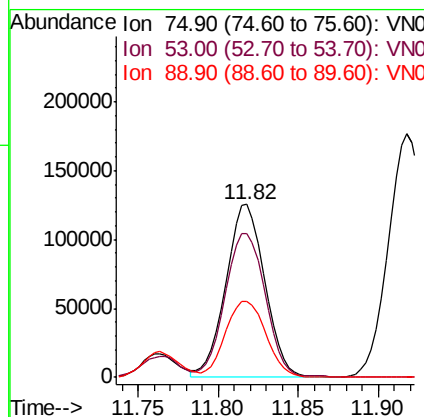
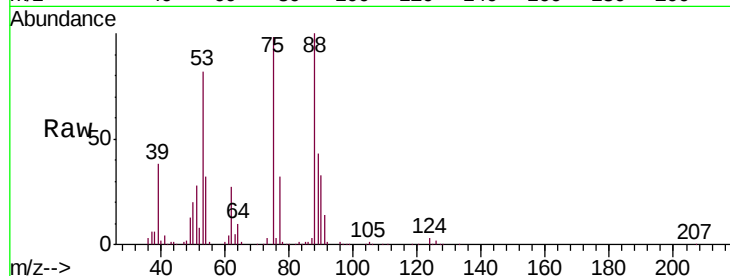
VSTDCCC050

Tgt Ion:	75	Resp:	209393
Ion	Ratio	Lower	Upper
75	100		
53	84.4	70.6	106.0
89	45.7	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.049 ug/l

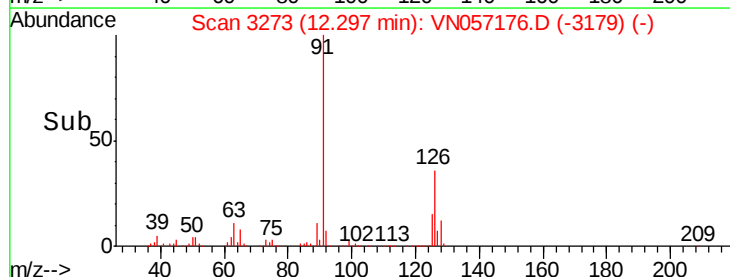
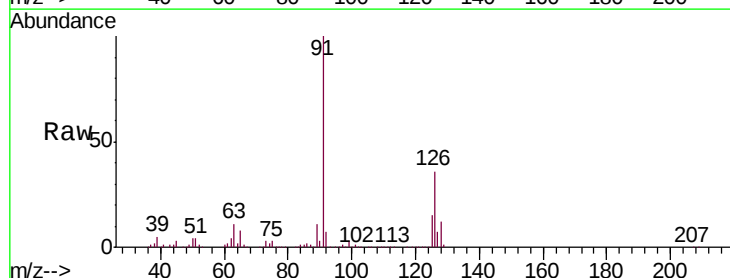
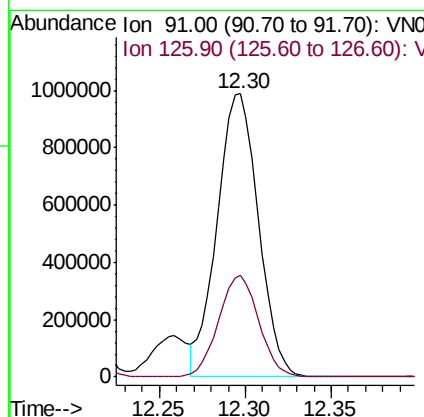
RT: 12.30 min Scan# 3273

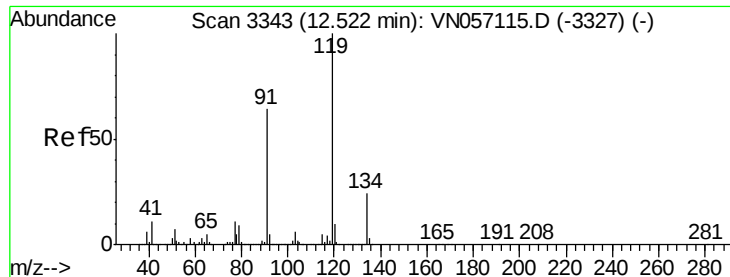
Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Tgt Ion:	91	Resp:	1654064
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.9	53.7





#83

tert-Butylbenzene

Concen: 49.898 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

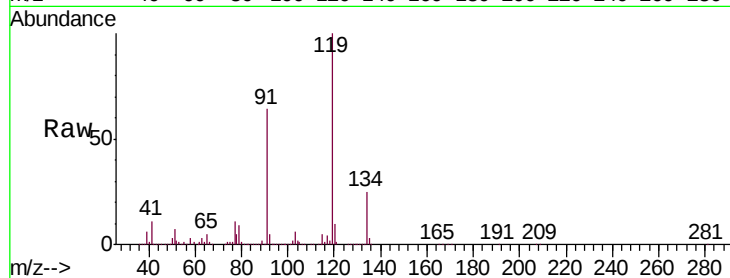
VSTDCCC050

Tgt Ion:	119	Resp:	1963854
Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.4	94.2
134	25.8	13.2	39.6

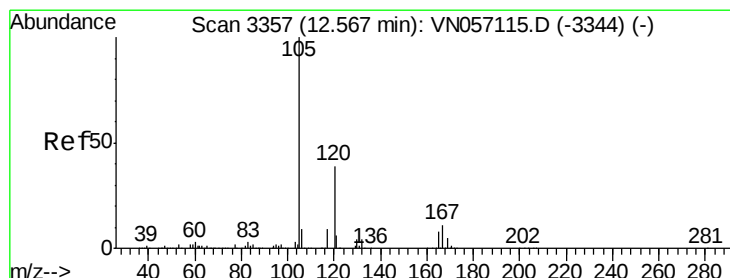
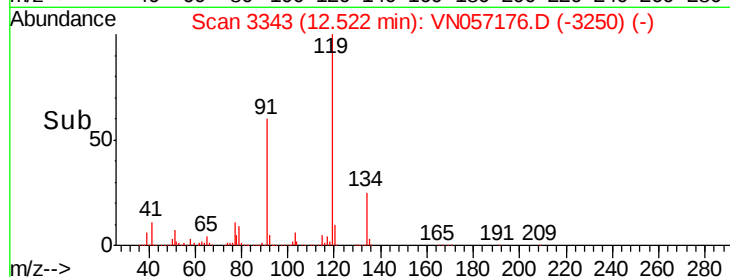
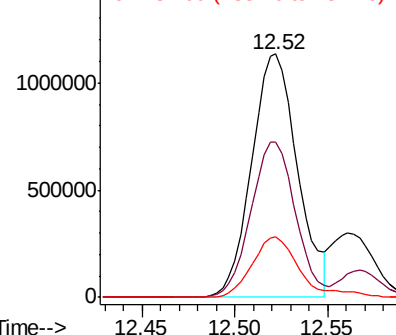
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.202 ug/l

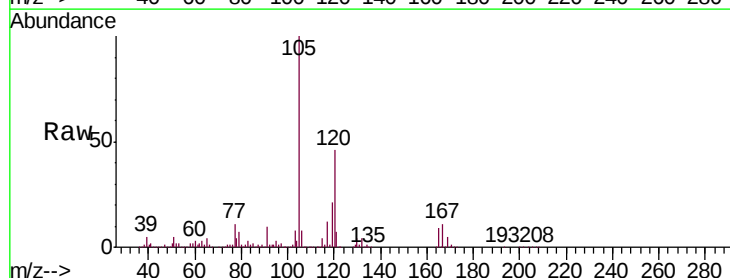
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

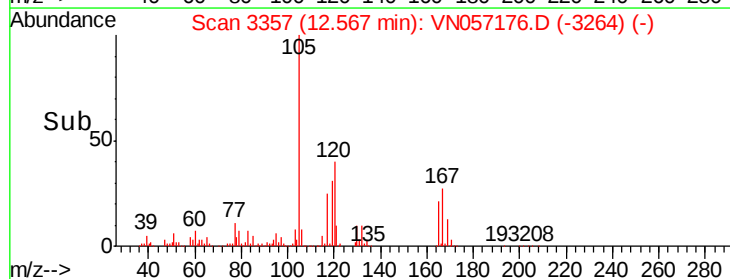
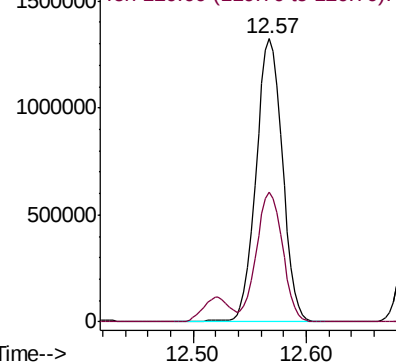
Lab File: VN057176.D

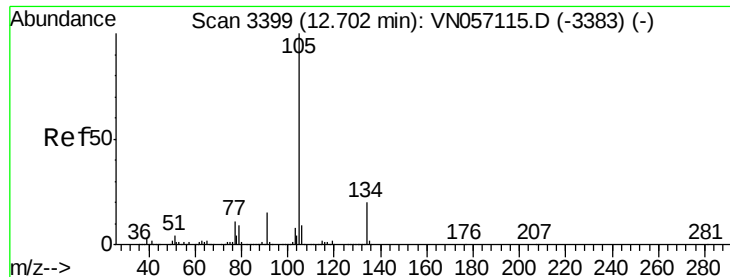
Acq: 11 Aug 2019 10:02

Tgt Ion:	105	Resp:	2132913
Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.037 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2480961

Ion Ratio Lower Upper

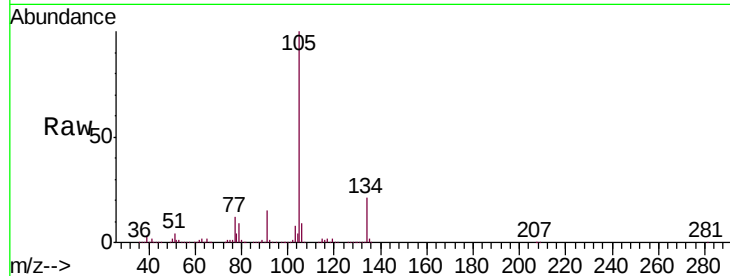
105 100

134 20.6 10.2 30.4

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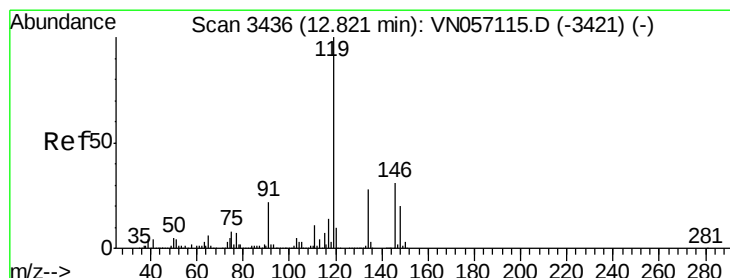
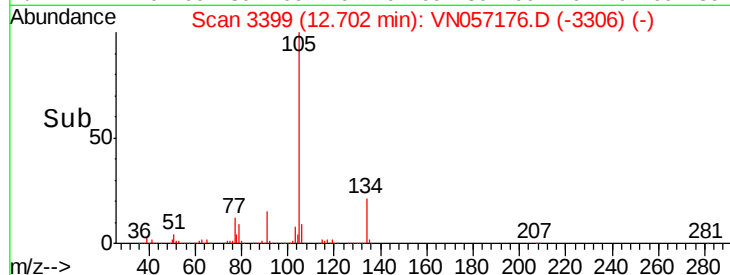
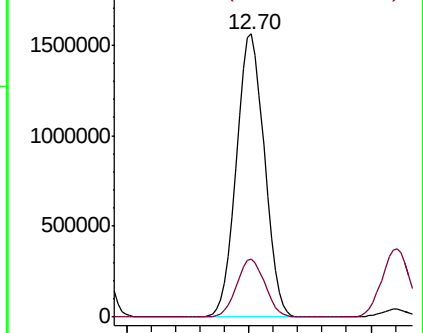
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.124 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

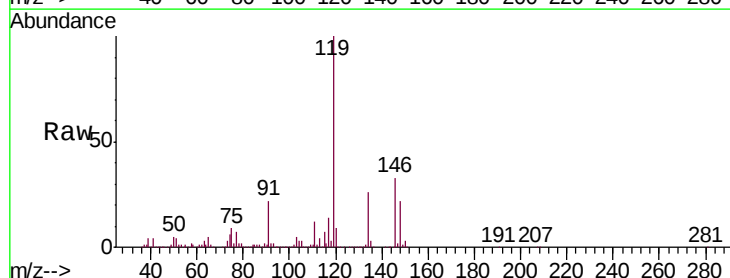
Tgt Ion:119 Resp: 2230728

Ion Ratio Lower Upper

119 100

134 27.0 13.8 41.3

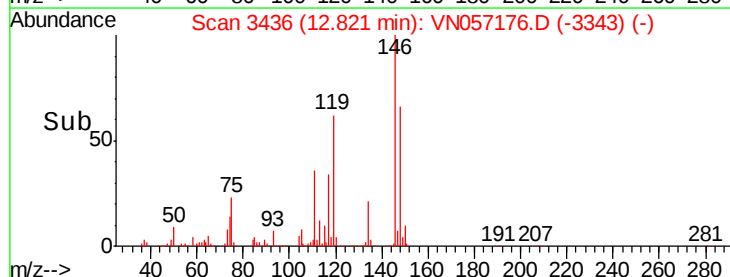
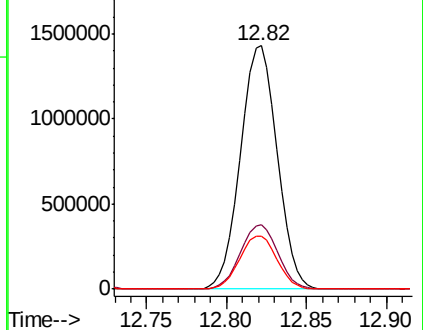
91 22.1 11.0 33.0

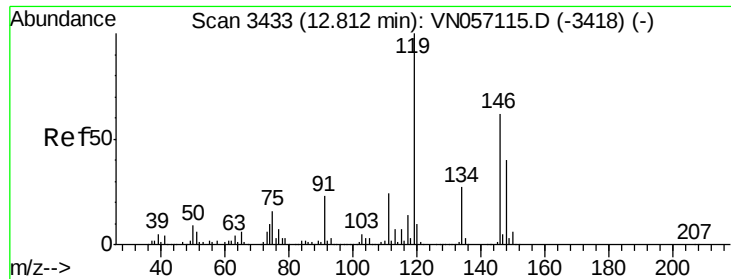


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 49.454 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

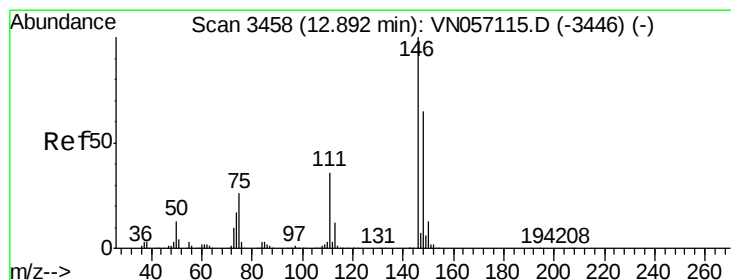
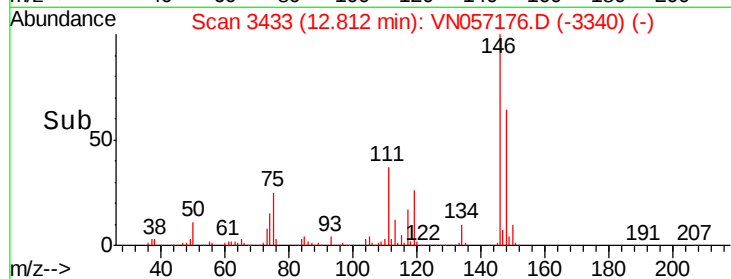
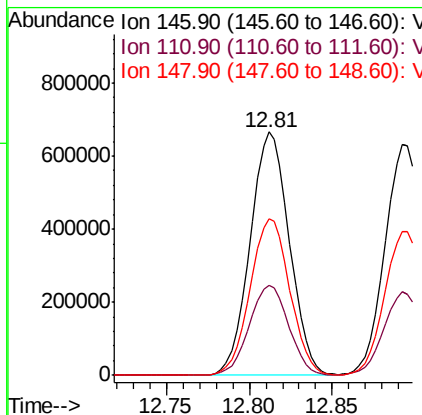
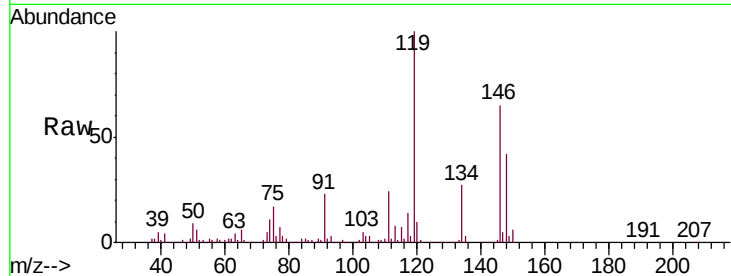
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1094287
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 64.9 32.4 97.0

Manual Integrations
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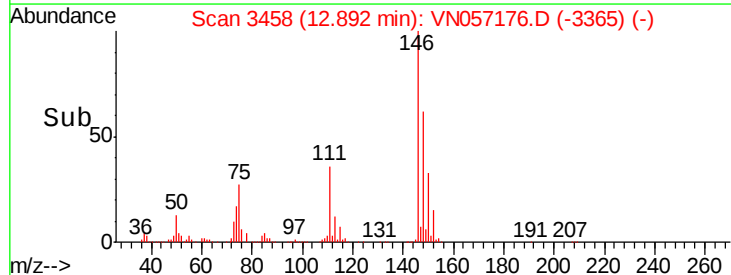
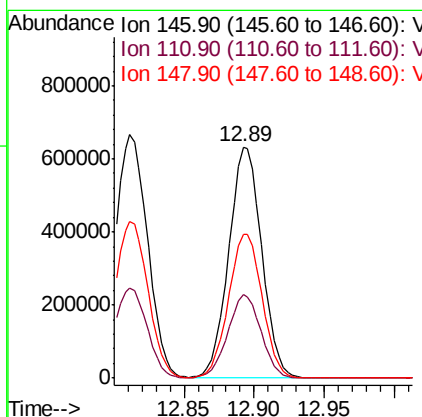
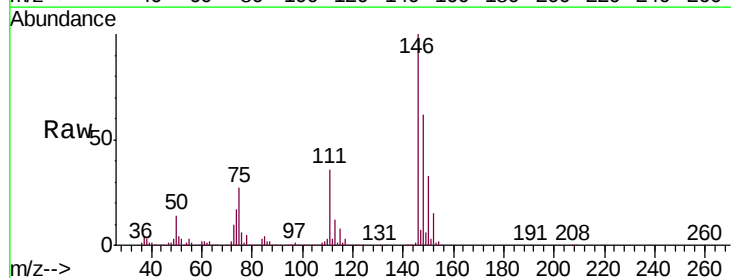
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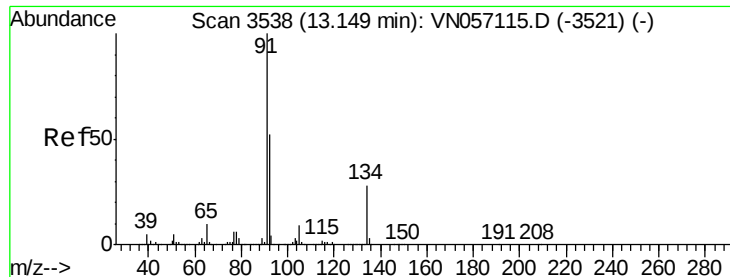
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#88
 1,4-Dichlorobenzene
 Concen: 49.390 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion:146 Resp: 1035472
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.2 54.6
 148 63.3 32.0 96.2





#89
n-Butylbenzene
Concen: 48.302 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

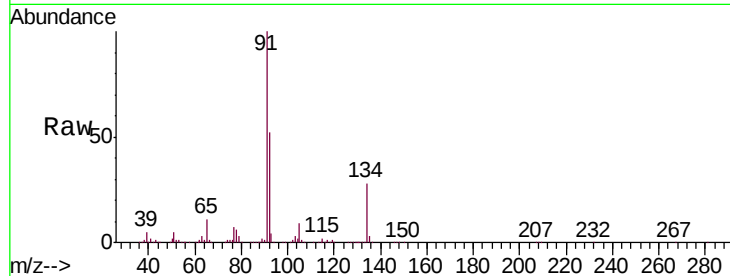
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1649712
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.4
134 27.9 14.1 42.3

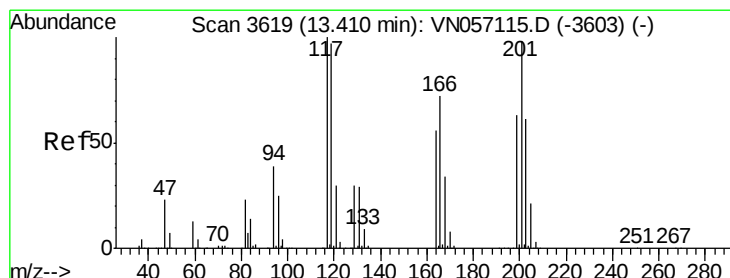
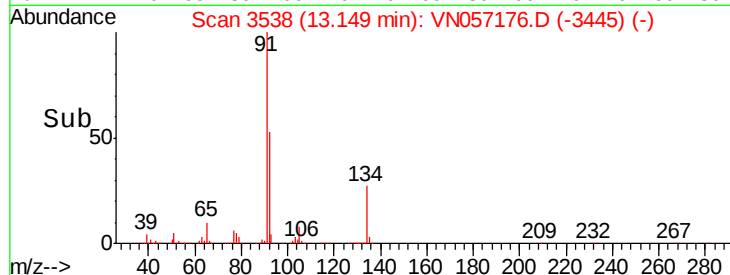
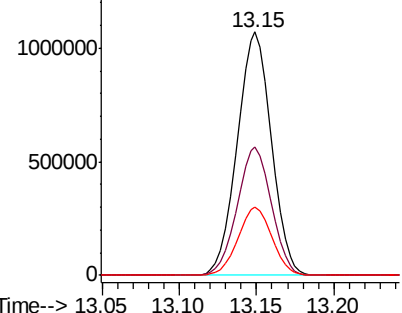
Manual Integrations
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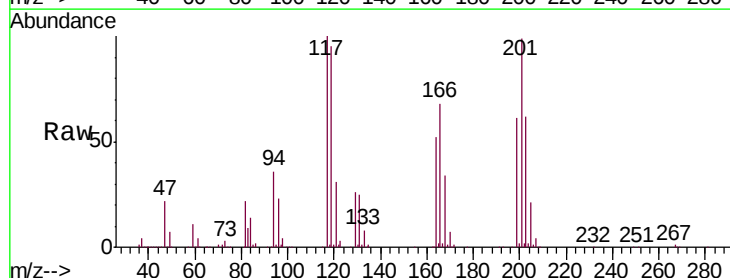


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

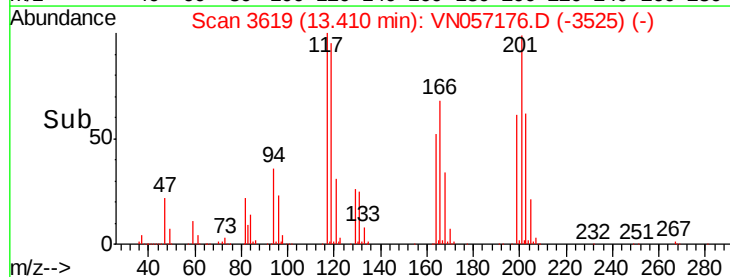
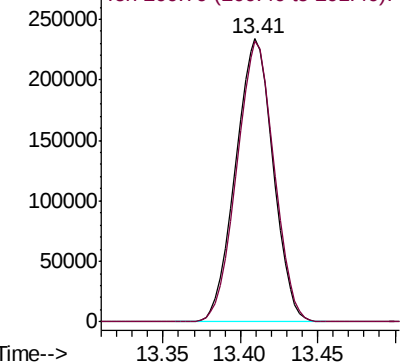


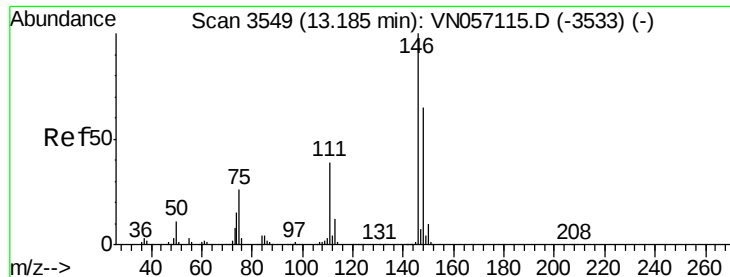
#90
Hexachloroethane
Concen: 50.248 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion: 117 Resp: 394827
Ion Ratio Lower Upper
117 100
201 98.6 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.036 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 146 Resp: 1061421

Ion Ratio Lower Upper

146 100

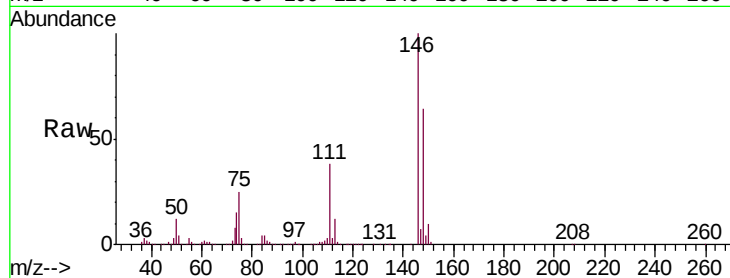
111 38.6 19.2 57.6

148 64.2 32.4 97.0

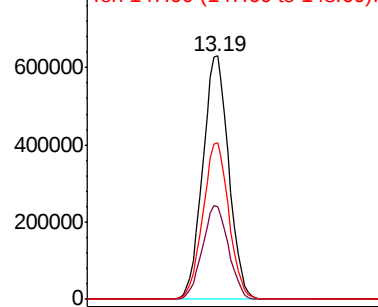
Manual Integrations
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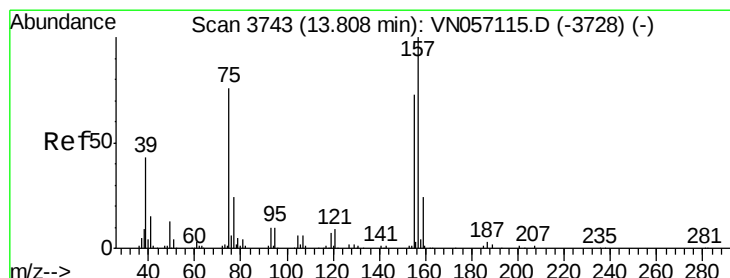
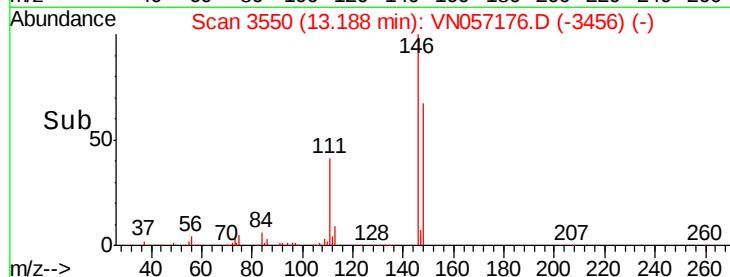
8/12/2019 3:41:24 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.862 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. 0.00 min

Lab File: VN057176.D

Acq: 11 Aug 2019 10:02

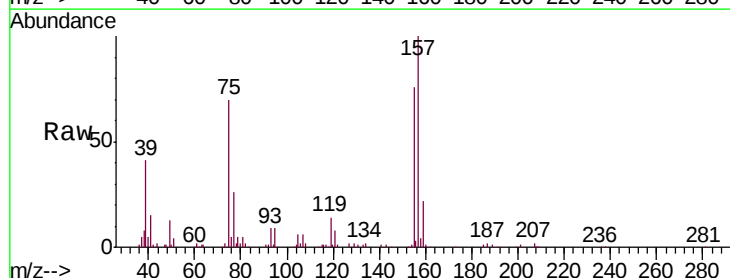
Tgt Ion: 75 Resp: 92884

Ion Ratio Lower Upper

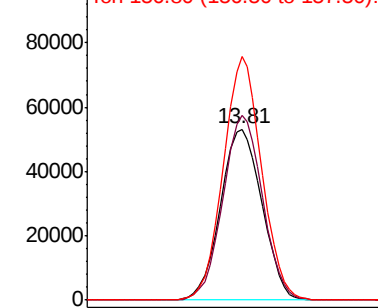
75 100

155 103.0 49.3 147.9

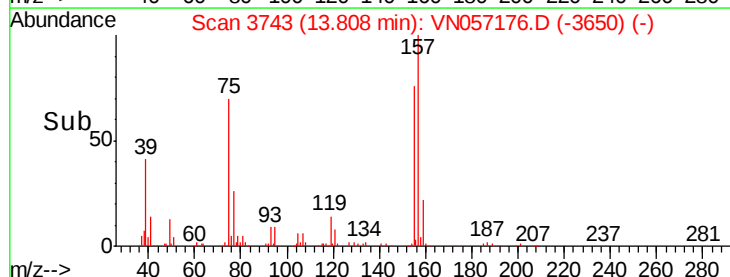
157 131.3 65.3 195.8

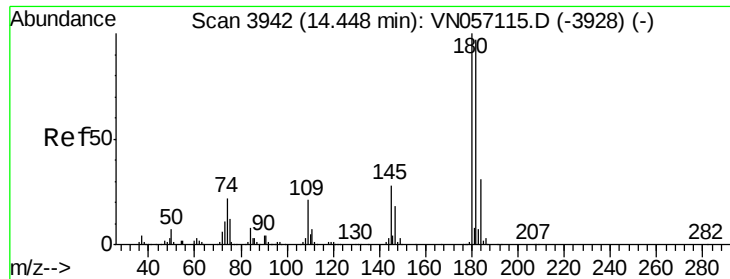


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time-->





#93
 1,2,4-Trichlorobenzene
 Concen: 46.705 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

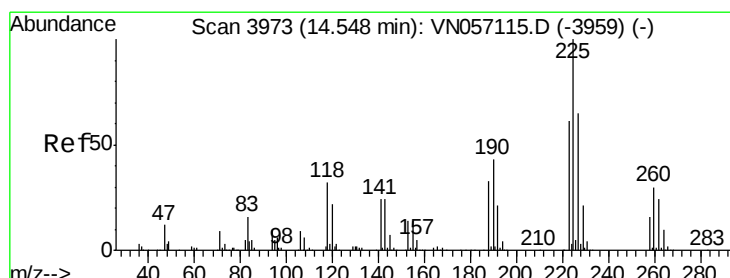
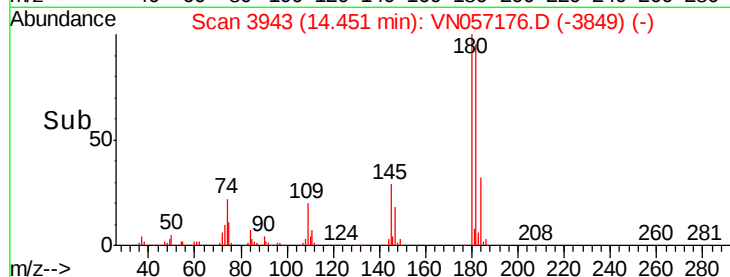
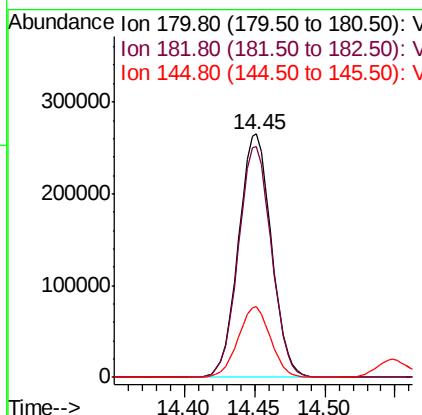
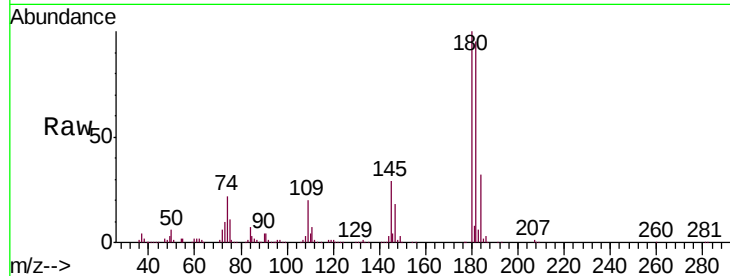
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	433536		
182	95.5	47.5	142.6	
145	28.7	14.1	42.2	

Manual Integrations
 APPROVED

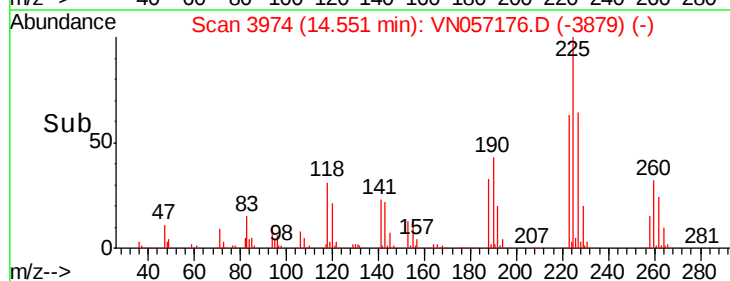
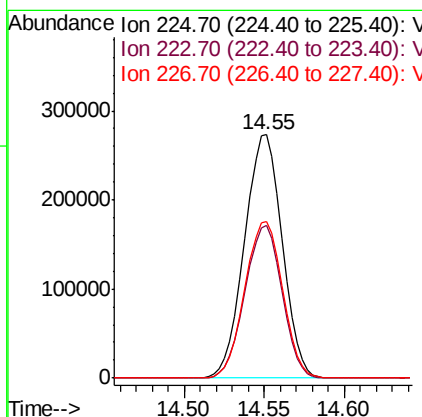
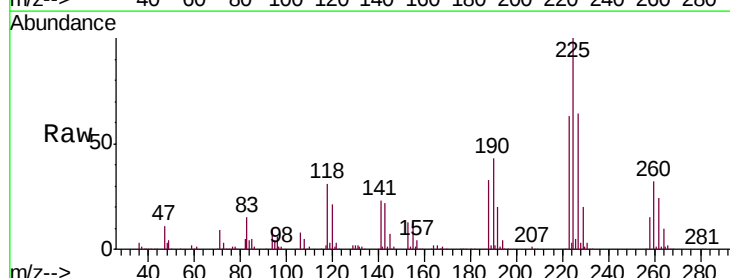
MMDadoda

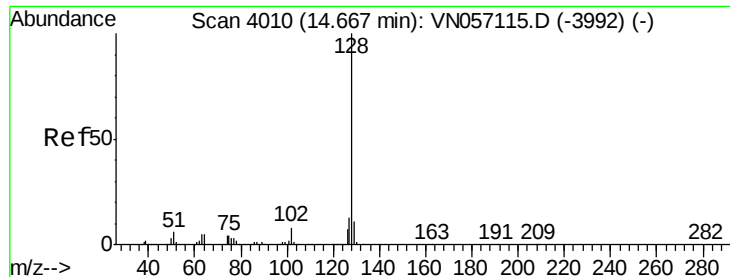
8/12/2019 3:41:24 PM



#94
 Hexachlorobutadiene
 Concen: 57.643 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057176.D
 Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	440070		
223	61.7	30.9	92.8	
227	64.4	32.4	97.0	





#95
Naphthalene
Concen: 39.740 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

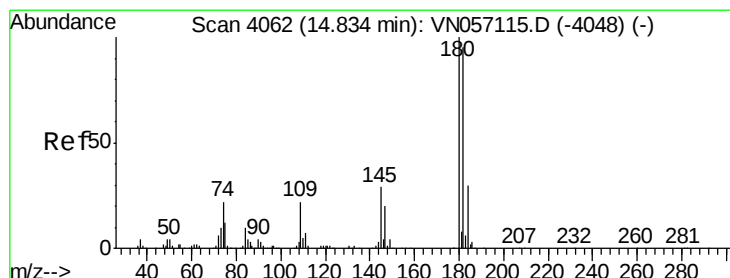
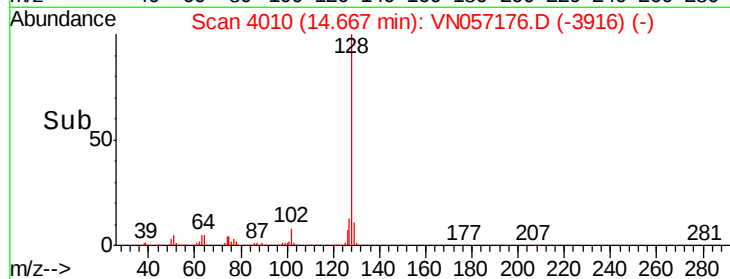
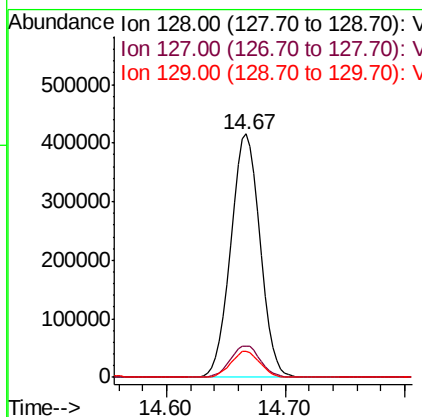
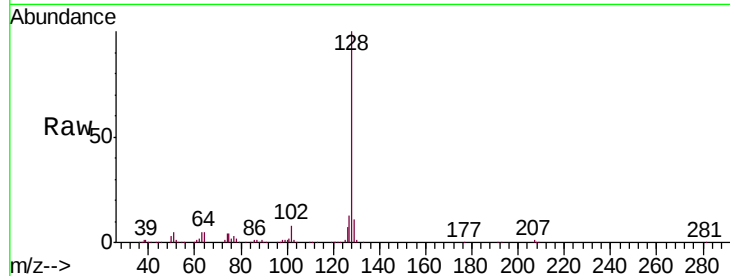
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	708277		
127	13.2		10.3	15.5
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda

8/12/2019 3:41:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 39.263 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057176.D
Acq: 11 Aug 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	367113		
182	96.7		48.3	144.8
145	30.4		14.9	44.5

