

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057513.D
 Acq On : 26 Aug 2019 16:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:38 PM

Quant Time: Aug 26 17:55:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	348559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	630113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	324749	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	213771	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	875180	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
62) 4-Bromofluorobenzene	12.40	95	298726	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	213438	51.891	ug/l	99
3) Chloromethane	2.05	50	267552	45.543	ug/l	99
4) Vinyl Chloride	2.17	62	338884	47.393	ug/l	98
5) Bromomethane	2.54	94	215973	49.011	ug/l	93
6) Chloroethane	2.69	64	220746	47.994	ug/l	95
7) Trichlorofluoromethane	3.00	101	526010	47.392	ug/l	95
8) Diethyl Ether	3.39	74	190589	51.087	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	288460	51.949	ug/l	99
10) Methyl Iodide	3.91	142	243822	53.798	ug/l	96
11) Tert butyl alcohol	4.79	59	170863	224.279	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	275619	46.456	ug/l	98
13) Acrolein	3.58	56	192109	286.776	ug/l	98
14) Allyl chloride	4.29	41	369358	47.004	ug/l	97
15) Acrylonitrile	4.96	53	484557	235.851	ug/l	98
16) Acetone	3.80	43	884258	314.027	ug/l	95
17) Carbon Disulfide	4.02	76	448846	39.660	ug/l	100
18) Methyl Acetate	4.30	43	293755	48.308	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	631295	44.079	ug/l	97
20) Methylene Chloride	4.52	84	200867	48.110	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	179187	42.800	ug/l	98
22) Diisopropyl ether	5.93	45	811294	48.196	ug/l	98
23) Vinyl Acetate	5.87	43	3076848	234.020	ug/l	99
24) 1,1-Dichloroethane	5.82	63	409312	45.882	ug/l	98
25) 2-Butanone	6.82	43	727151	237.813	ug/l	97
26) 2,2-Dichloropropane	6.80	77	349449	45.234	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	232329	46.813	ug/l	98
28) Bromochloromethane	7.17	49	249463	51.926	ug/l	94
29) Tetrahydrofuran	7.20	42	475645	235.910	ug/l	99
30) Chloroform	7.35	83	420651	50.823	ug/l	97
31) Cyclohexane	7.63	56	400930	46.548	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	352267	46.033	ug/l	99
36) 1,1-Dichloropropene	7.77	75	309494	48.069	ug/l	97
37) Ethyl Acetate	6.91	43	292049	45.904	ug/l	99
38) Carbon Tetrachloride	7.75	117	283844	44.376	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	381849	49.936	ug/l	97
40) Benzene	8.02	78	923365	47.781	ug/l	99
41) Methacrylonitrile	7.16	41	139523	45.991	ug/l	97
42) 1,2-Dichloroethane	8.11	62	360796	48.490	ug/l	99
43) Isopropyl Acetate	8.16	43	541559	46.423	ug/l	99
44) Trichloroethene	8.83	130	209273	48.513	ug/l	93
45) 1,2-Dichloropropane	9.11	63	265722	48.824	ug/l	98
46) Dibromomethane	9.20	93	162940	51.104	ug/l	99
47) Bromodichloromethane	9.39	83	337146	46.956	ug/l	97
48) Methyl methacrylate	9.19	41	264838	47.743	ug/l	98
49) 1,4-Dioxane	9.19	88	67290	938.048	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1578362	242.770	ug/l	100
52) Toluene	10.15	92	577378	51.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	366688	48.756	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	403659	48.205	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	222450	49.388	ug/l	98
56) Ethyl methacrylate	10.43	69	357498	50.456	ug/l	98
57) 1,3-Dichloropropane	10.70	76	400716	51.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	583974	292.799	ug/l	99
59) 2-Hexanone	10.75	43	1099264	246.513	ug/l	100
60) Dibromochloromethane	10.90	129	228739	48.055	ug/l	98
61) 1,2-Dibromoethane	11.00	107	221192	50.069	ug/l	99
64) Tetrachloroethene	10.63	164	196900	48.131	ug/l	97
65) Chlorobenzene	11.43	112	565951	47.879	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	208530	46.000	ug/l	99
67) Ethyl Benzene	11.51	91	1102729	48.197	ug/l	99
68) m/p-Xylenes	11.62	106	786688	101.106	ug/l	99
69) o-Xylene	11.95	106	375816	48.758	ug/l	99
70) Styrene	11.96	104	626758	51.353	ug/l	99
71) Bromoform	12.13	173	134796	43.987	ug/l #	98
73) Isopropylbenzene	12.25	105	1035507	51.506	ug/l	99
74) N-amyl acetate	12.07	43	460045	48.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	294150	50.753	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	279479m	56.055	ug/l	
77) Bromobenzene	12.52	156	210059	50.444	ug/l	100
78) n-propylbenzene	12.59	91	1199103	52.008	ug/l	100
79) 2-Chlorotoluene	12.68	91	696202	51.480	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	860543	52.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	92463	44.851	ug/l	95
82) 4-Chlorotoluene	12.77	91	690196	51.065	ug/l	98
83) tert-Butylbenzene	12.99	119	722552	52.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	837989	47.467	ug/l	99
85) sec-Butylbenzene	13.17	105	988249	52.814	ug/l	100
86) p-Isopropyltoluene	13.29	119	830155	46.769	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	352173	48.013	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	342460	47.675	ug/l	99
89) n-Butylbenzene	13.62	91	745476	49.629	ug/l	99
90) Hexachloroethane	13.88	117	156331	46.855	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	342513	48.916	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48056	44.220	ug/l	97

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VSTDCCC050

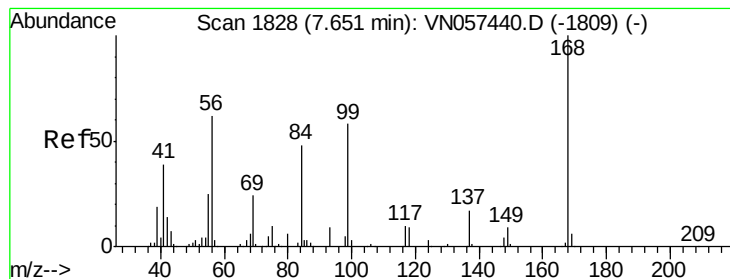
Manual Integrations
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8/27/2019 5:30:38 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119034	42.873	ug/l	97
94) Hexachlorobutadiene	15.01	225	98410	55.528	ug/l	99
95) Naphthalene	15.13	128	371379	41.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	118910	42.823	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 348559

Ion Ratio Lower Upper

168 100

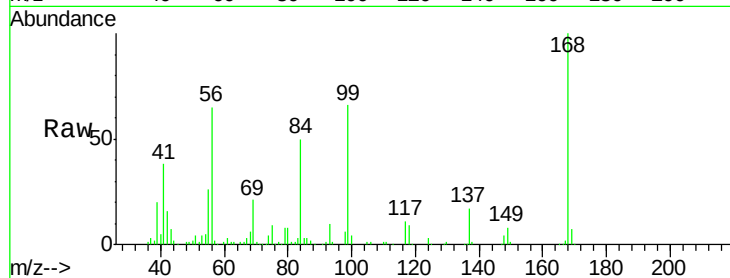
99 66.0 50.6 76.0

Manual Integrations

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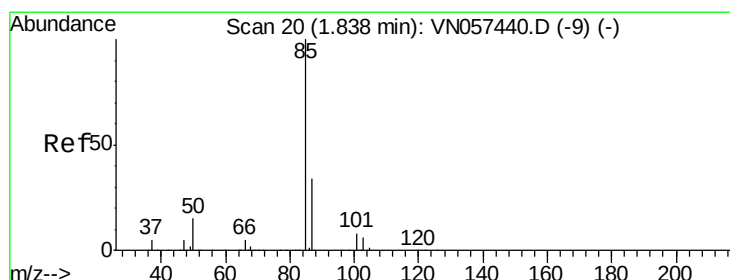
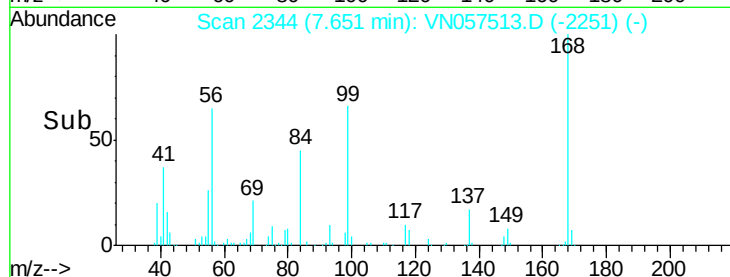
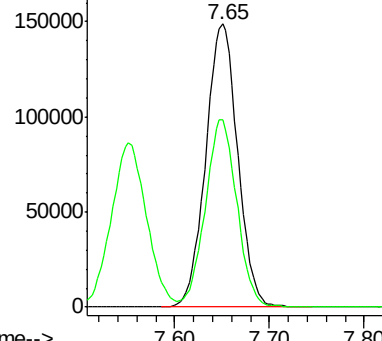
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.891 ug/l

RT: 1.84 min Scan# 536

Delta R.T. -0.00 min

Lab File: VN057513.D

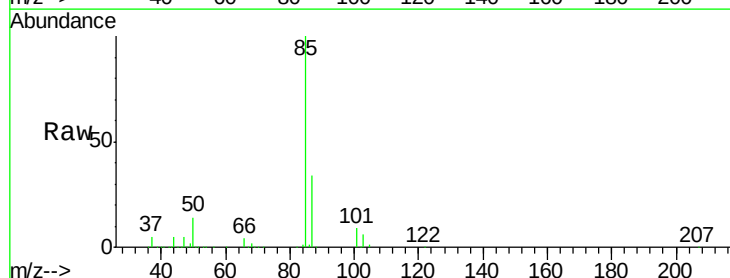
Acq: 26 Aug 2019 16:25

Tgt Ion: 85 Resp: 213438

Ion Ratio Lower Upper

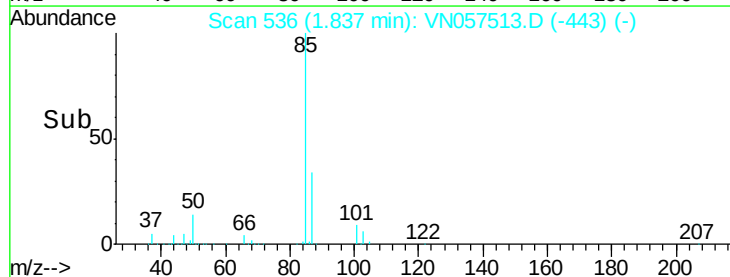
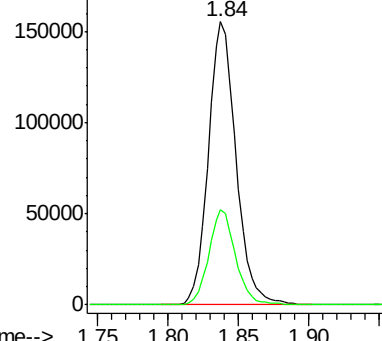
85 100

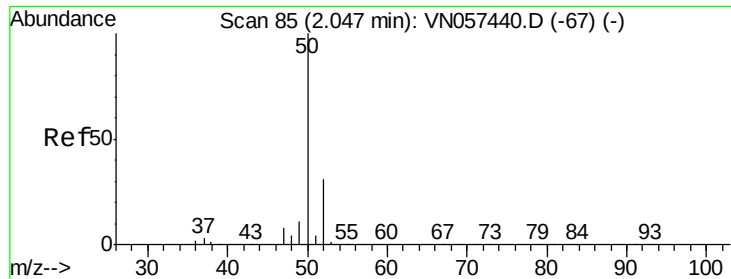
87 33.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.543 ug/l

RT: 2.05 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 267552

Ion Ratio Lower Upper

50 100

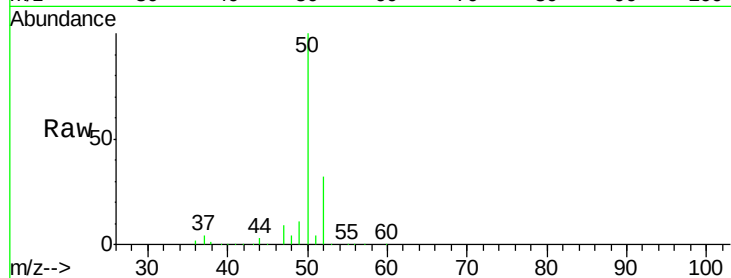
52 32.2 25.1 37.7

Manual Integrations

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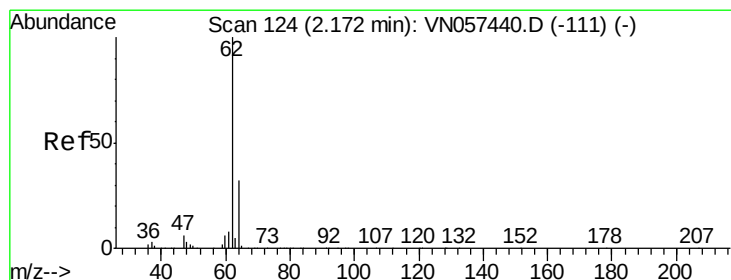
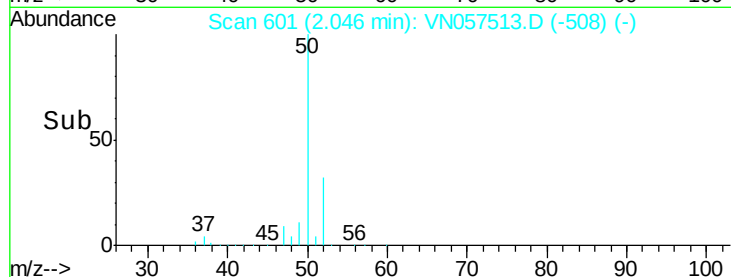
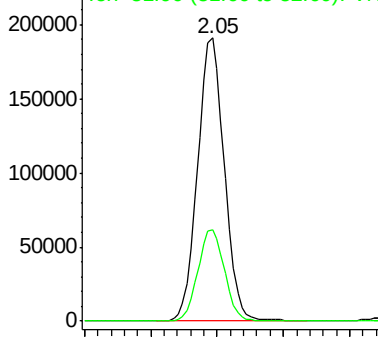
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.393 ug/l

RT: 2.17 min Scan# 640

Delta R.T. -0.00 min

Lab File: VN057513.D

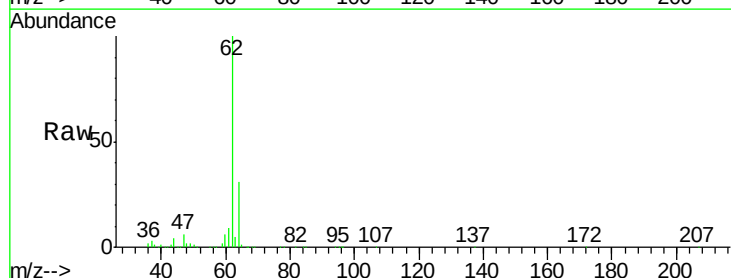
Acq: 26 Aug 2019 16:25

Tgt Ion: 62 Resp: 338884

Ion Ratio Lower Upper

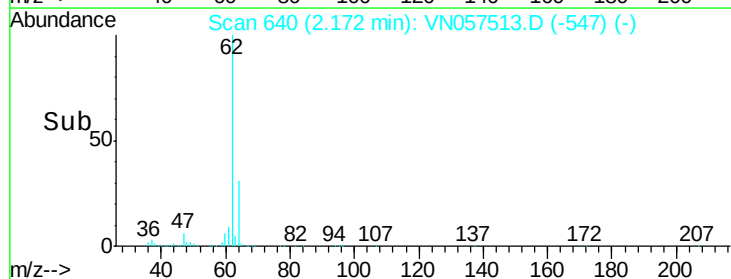
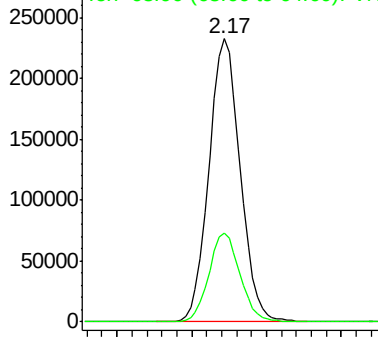
62 100

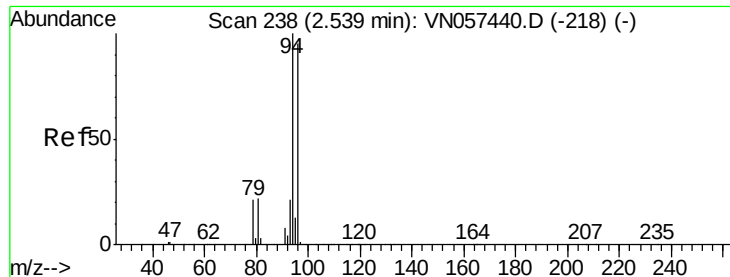
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.011 ug/l

RT: 2.54 min Scan# 755

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 215973

Ion Ratio Lower Upper

94 100

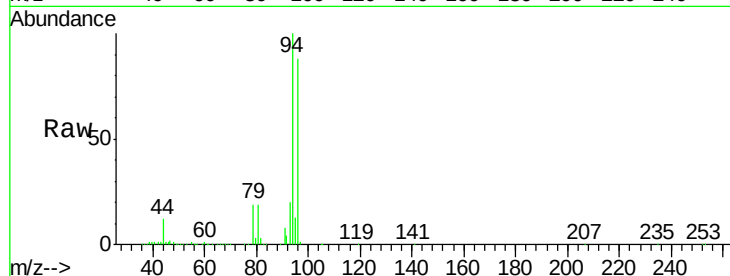
96 88.3 76.2 114.4

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

120000

100000

80000

60000

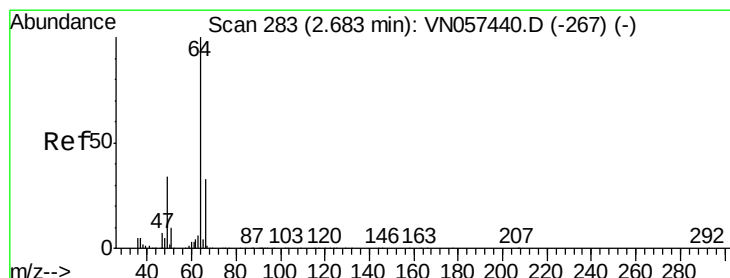
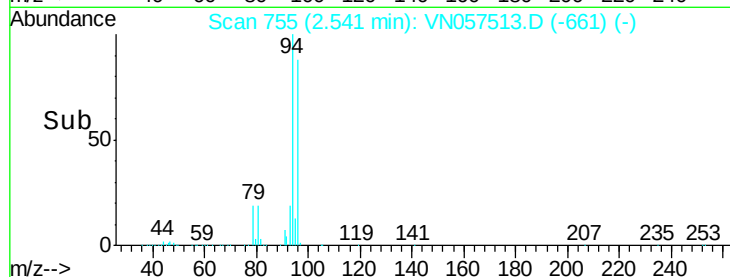
40000

20000

0

2.54

Time-->



#6

Chloroethane

Concen: 47.994 ug/l

RT: 2.69 min Scan# 800

Delta R.T. 0.00 min

Lab File: VN057513.D

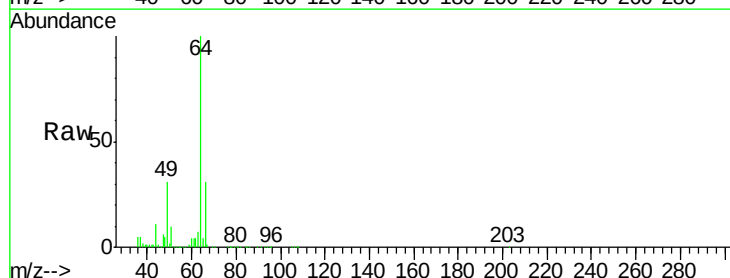
Acq: 26 Aug 2019 16:25

Tgt Ion: 64 Resp: 220746

Ion Ratio Lower Upper

64 100

66 30.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

120000

100000

80000

60000

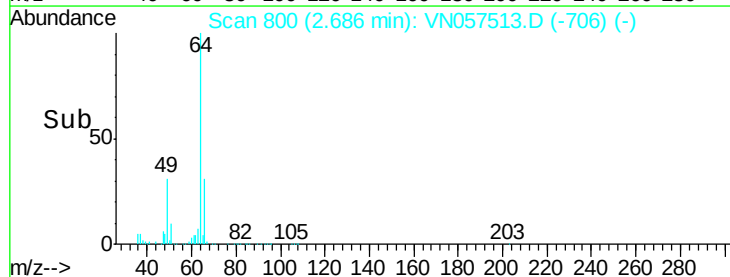
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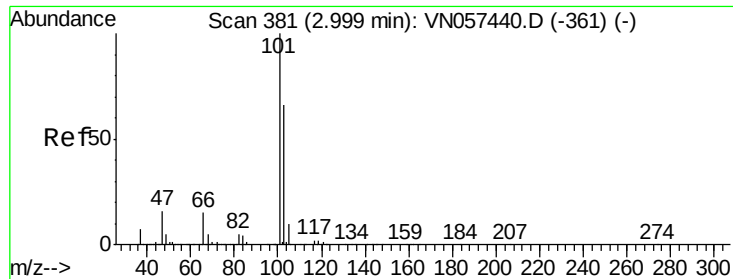
20000

0

2.69

Time-->





#7

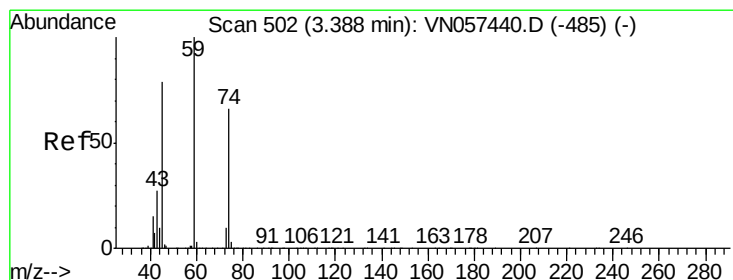
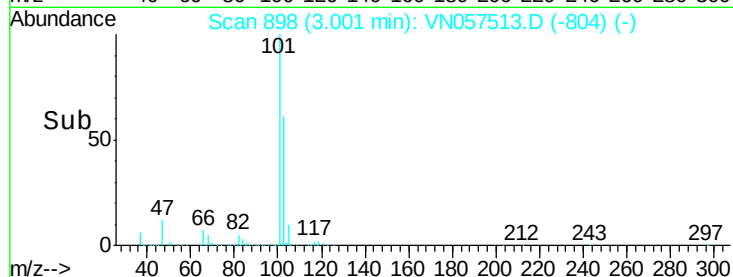
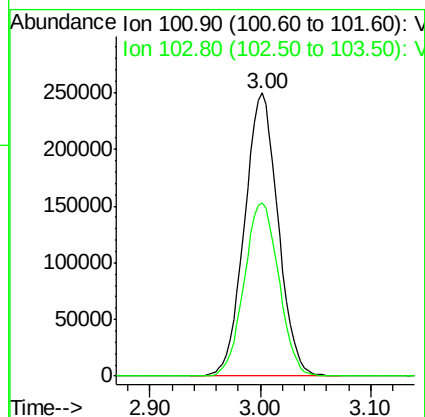
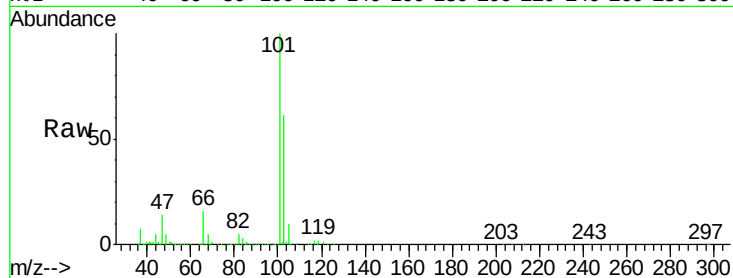
Trichlorofluoromethane
 Concen: 47.392 ug/l
 RT: 3.00 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		526010		
103	61.4	52.6	78.8		

Manual Integrations
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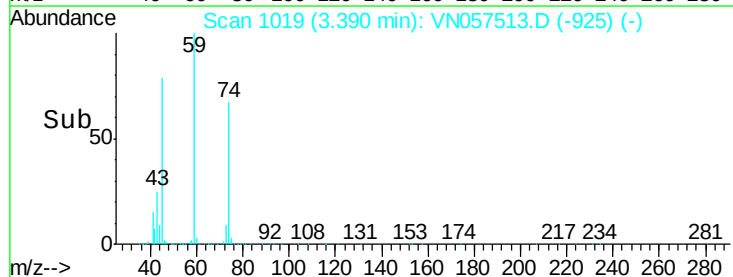
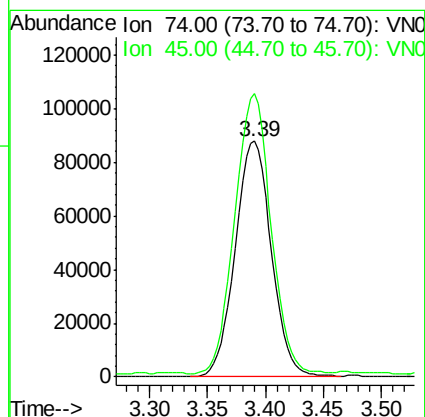
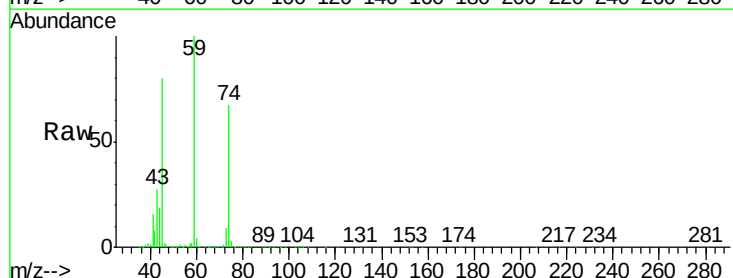
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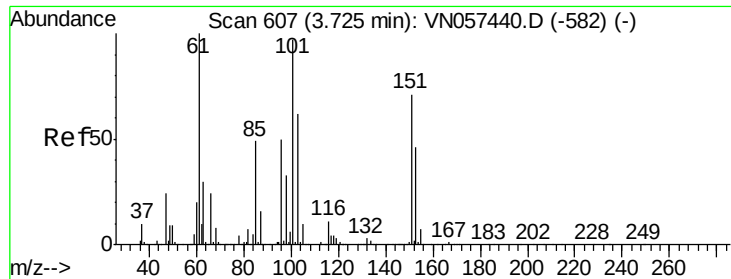


#8

Diethyl Ether
 Concen: 51.087 ug/l
 RT: 3.39 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		190589		
45	118.0	57.9	173.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.949 ug/l

RT: 3.73 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

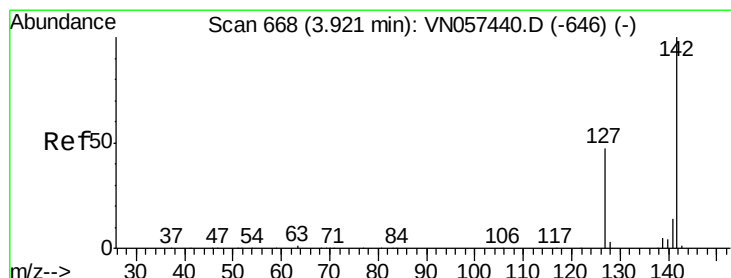
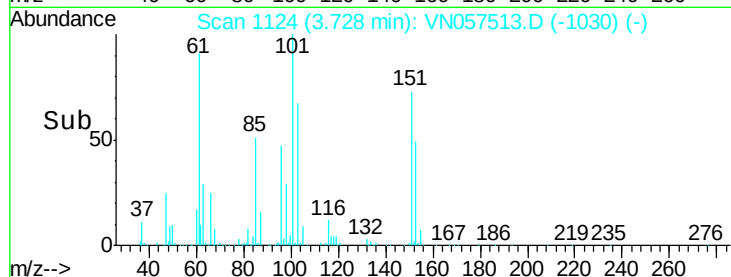
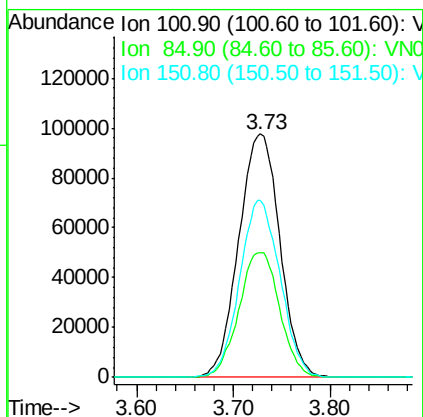
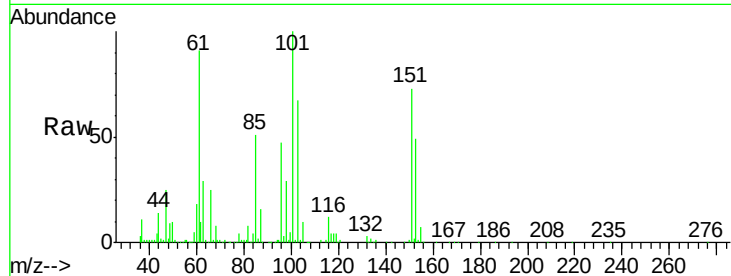
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	288460
Ion Ratio	Lower	Upper	
101	100		
85	51.1	40.0	60.0
151	71.5	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.798 ug/l

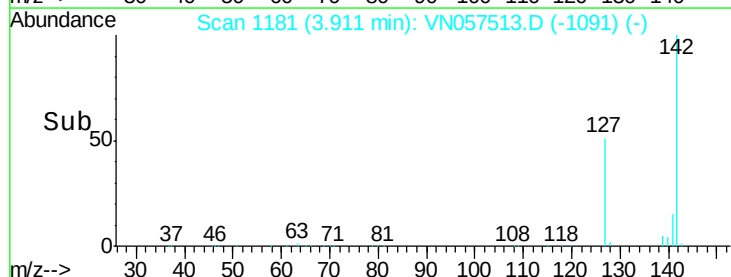
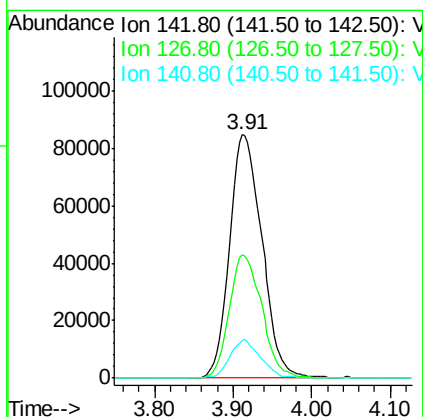
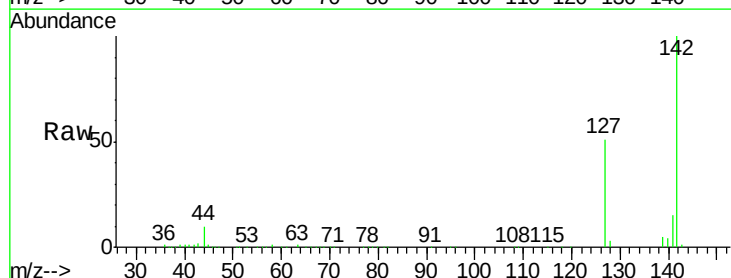
RT: 3.91 min Scan# 1181

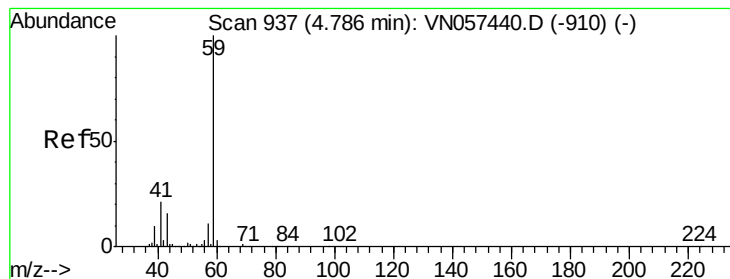
Delta R.T. -0.01 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	142	Resp:	243822
Ion Ratio	Lower	Upper	
142	100		
127	50.7	37.8	56.8
141	14.7	11.9	17.9





#11

Tert butyl alcohol

Concen: 224.279 ug/l

RT: 4.79 min Scan# 1453

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 59 Resp: 170863

Ion Ratio Lower Upper

59 100

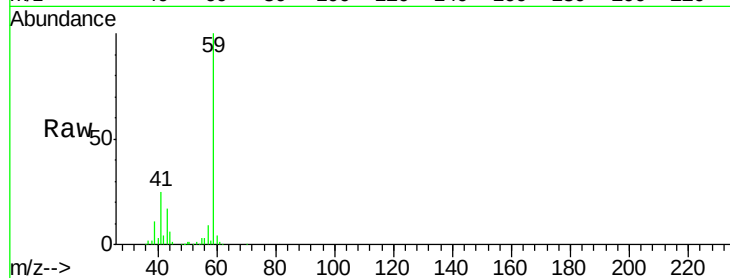
57 5.2 9.1 13.7#

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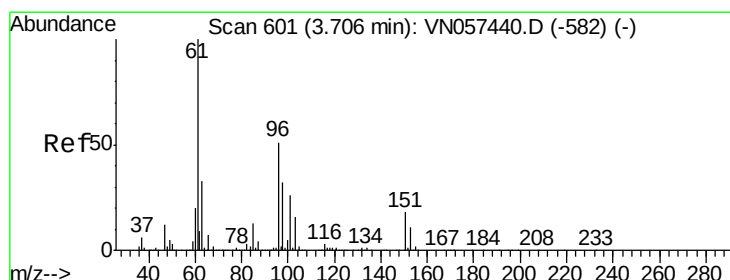
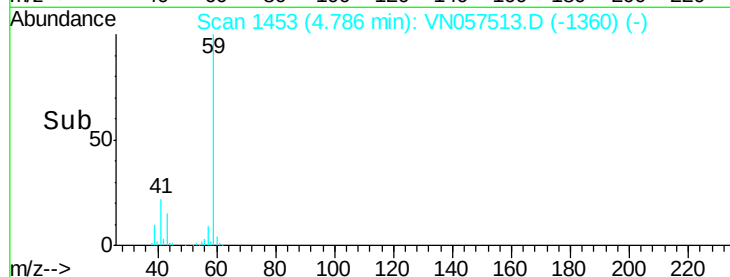
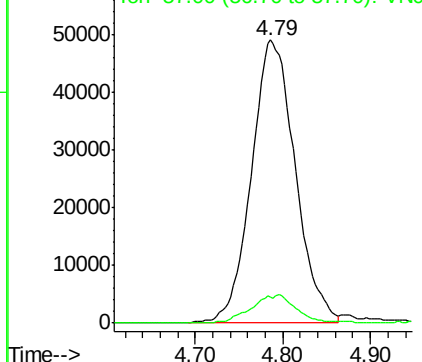
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 46.456 ug/l

RT: 3.71 min Scan# 1117

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

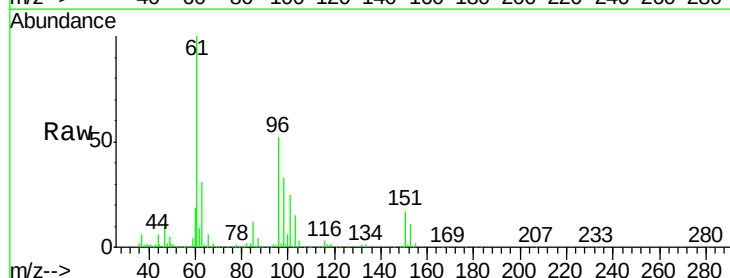
Tgt Ion: 96 Resp: 275619

Ion Ratio Lower Upper

96 100

61 191.2 155.3 232.9

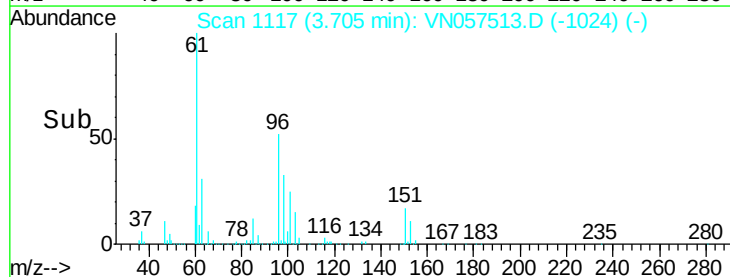
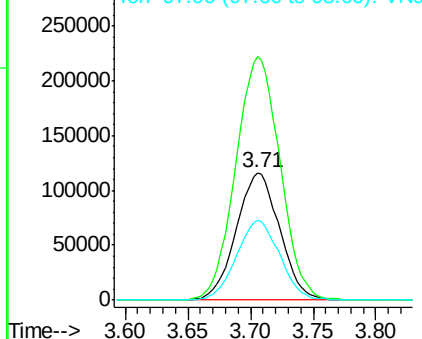
98 62.5 50.2 75.2

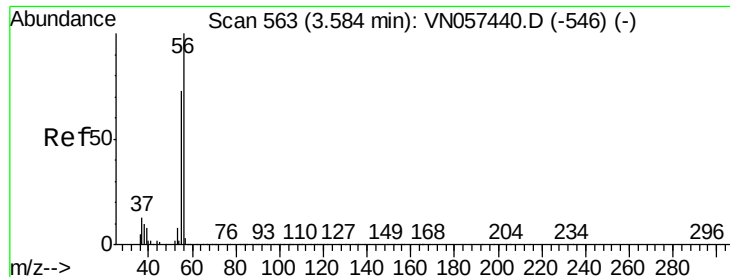


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 286.776 ug/l

RT: 3.58 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 192109

Ion Ratio Lower Upper

56 100

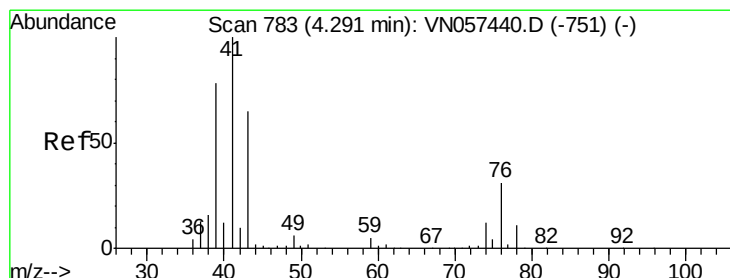
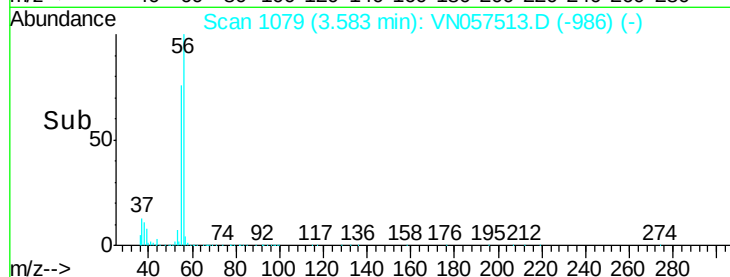
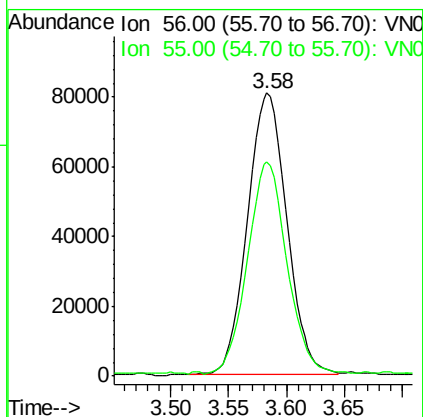
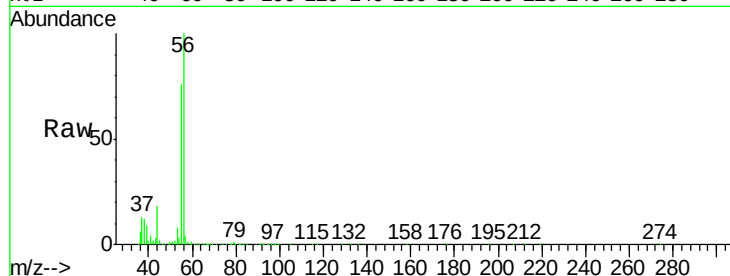
55 75.0 59.0 88.4

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#14

Allyl chloride

Concen: 47.004 ug/l

RT: 4.29 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

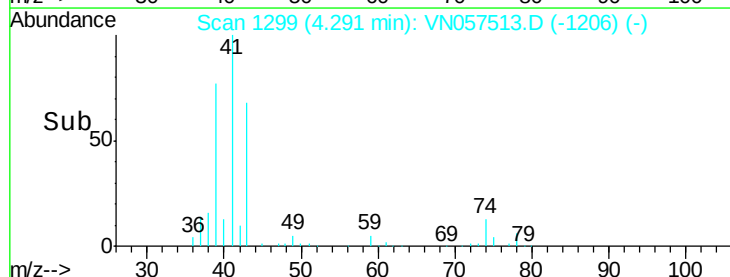
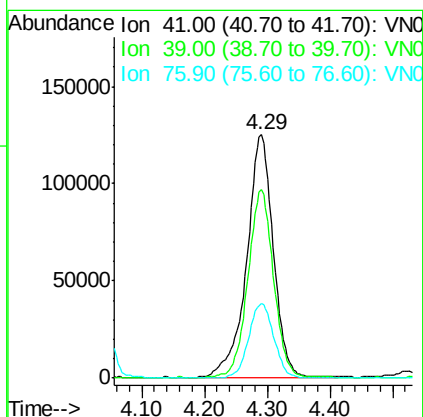
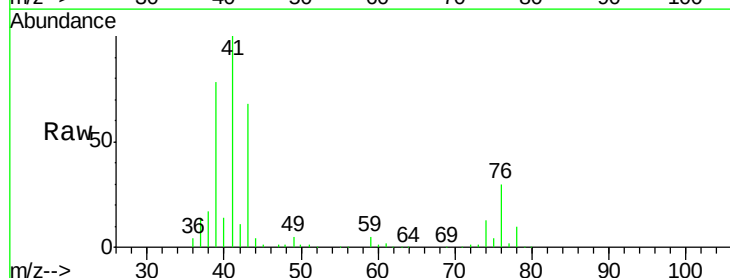
Tgt Ion: 41 Resp: 369358

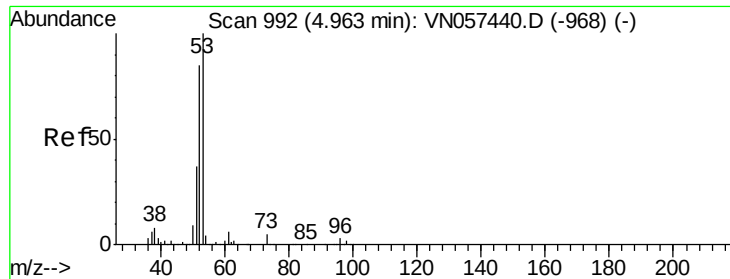
Ion Ratio Lower Upper

41 100

39 74.7 57.4 86.2

76 29.0 22.9 34.3





#15

Acrylonitrile

Concen: 235.851 ug/l

RT: 4.96 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

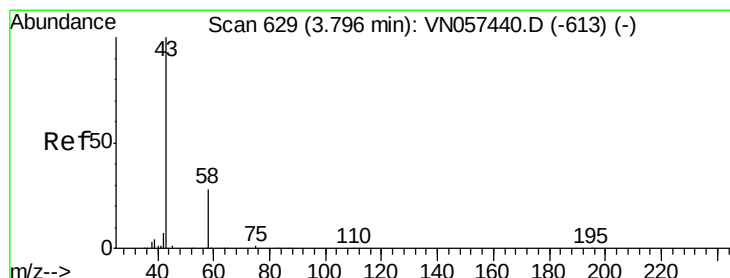
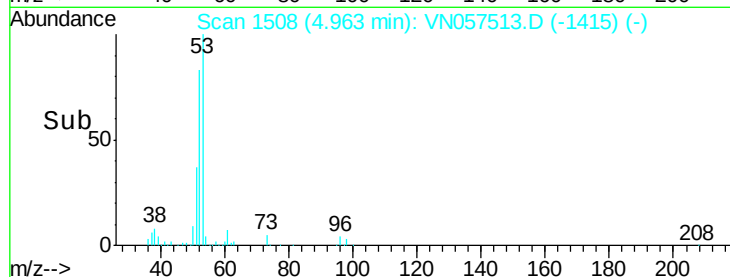
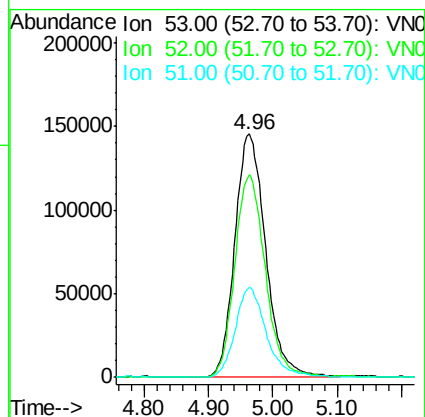
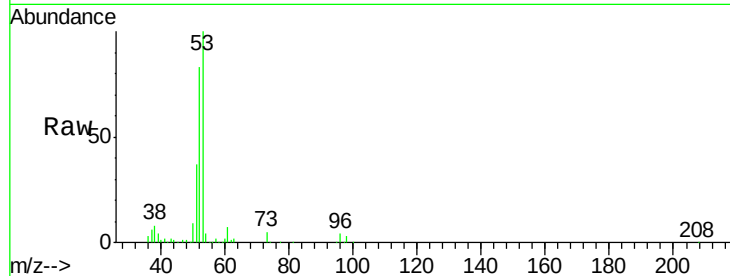
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	484557
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.0	100.6
51	37.0	29.9	44.9

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#16

Acetone

Concen: 314.027 ug/l

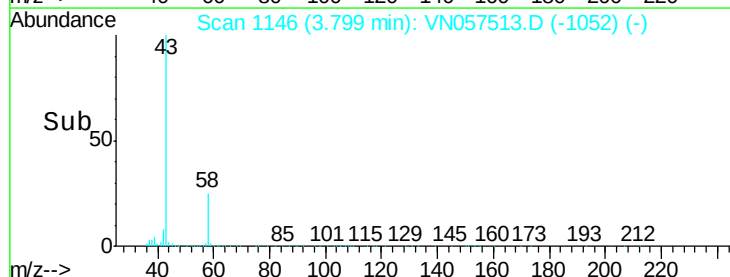
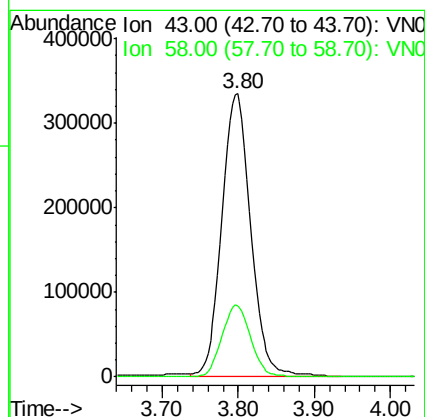
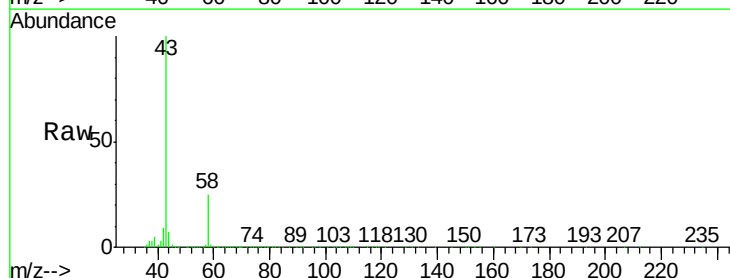
RT: 3.80 min Scan# 1146

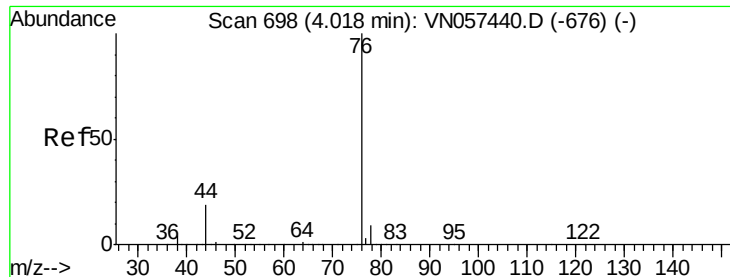
Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	43	Resp:	884258
Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.1	33.1





#17

Carbon Disulfide

Concen: 39.660 ug/l

RT: 4.02 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 448846

Ion Ratio Lower Upper

76 100

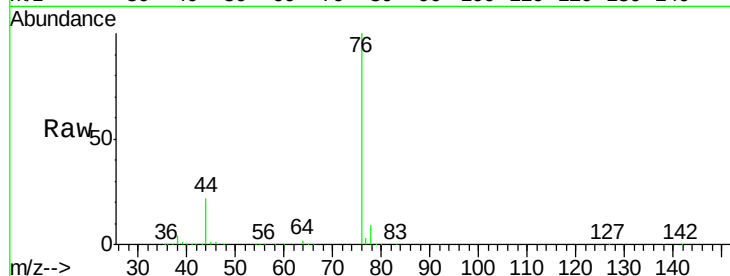
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

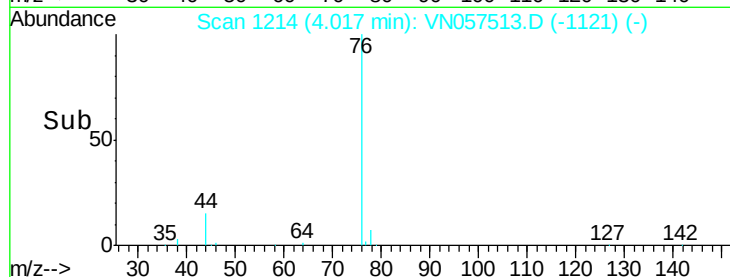
150000

100000

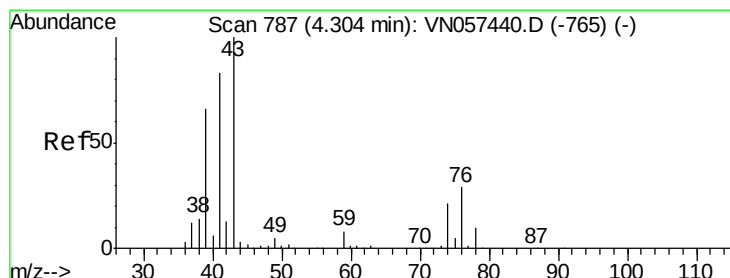
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.308 ug/l

RT: 4.30 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN057513.D

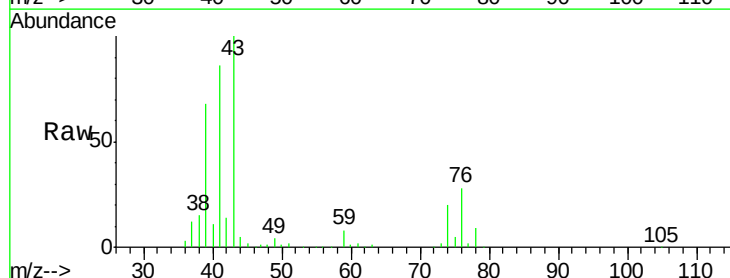
Acq: 26 Aug 2019 16:25

Tgt Ion: 43 Resp: 293755

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

120000

100000

80000

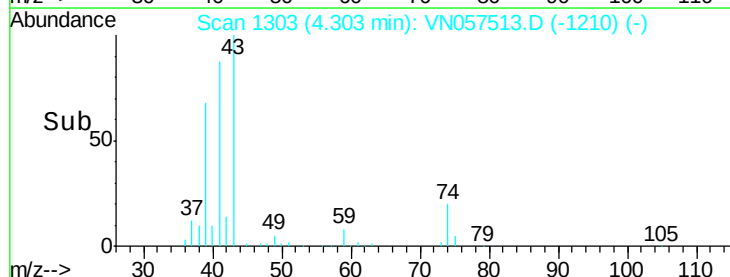
60000

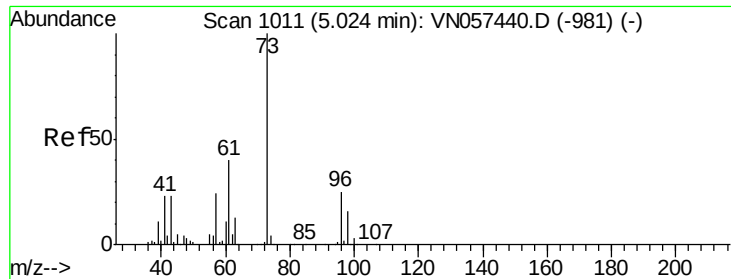
40000

20000

0

Time-->





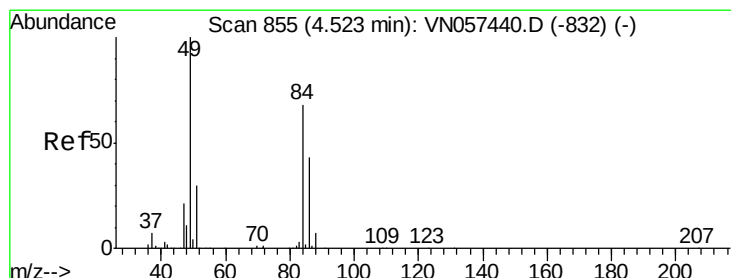
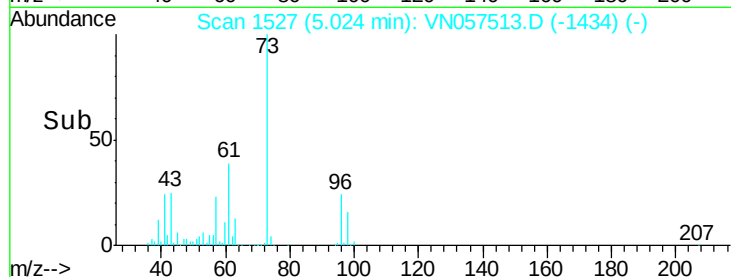
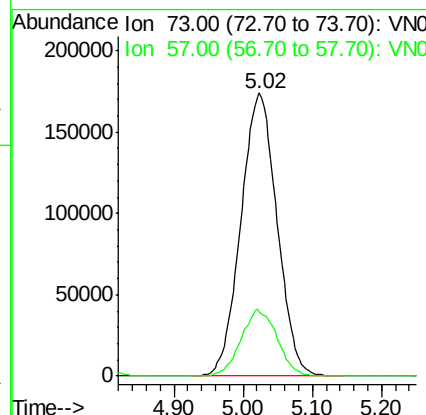
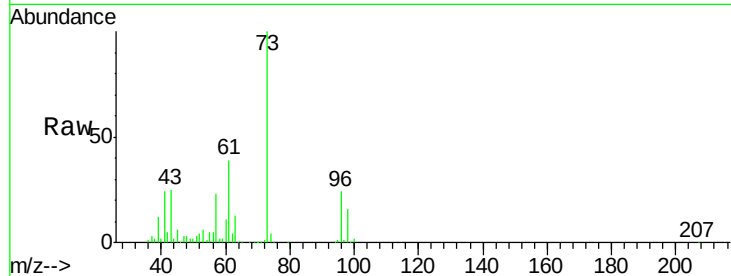
#19
Methvl tert-butvl Ether
Concen: 44.079 ug/l
RT: 5.02 min Scan# 1527
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.1	28.7

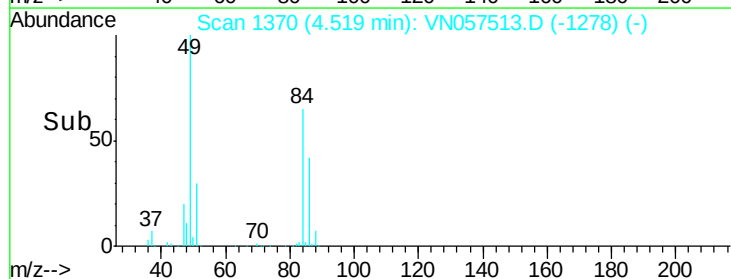
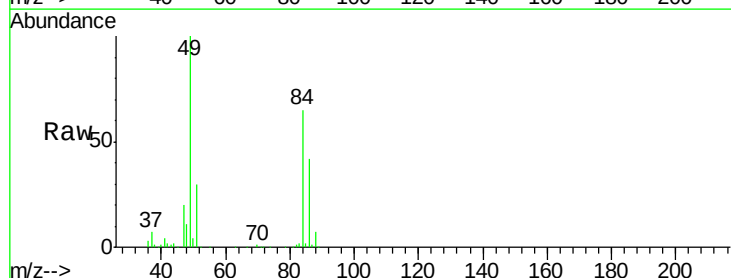
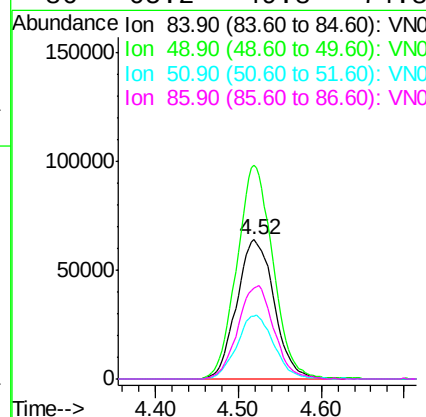
Manual Integrations
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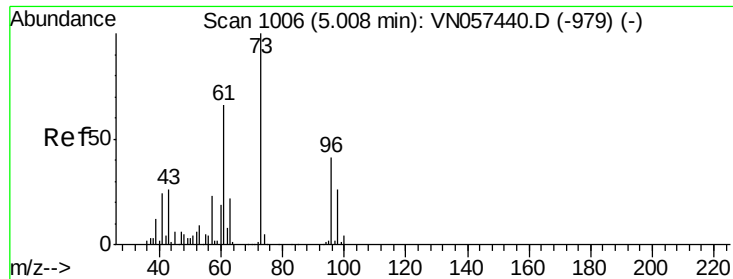
MMDadoda
8/27/2019 5:30:38 PM



#20
Methylene Chloride
Concen: 48.110 ug/l
RT: 4.52 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.7	117.0	175.4
51	45.5	35.5	53.3
86	65.2	49.8	74.8





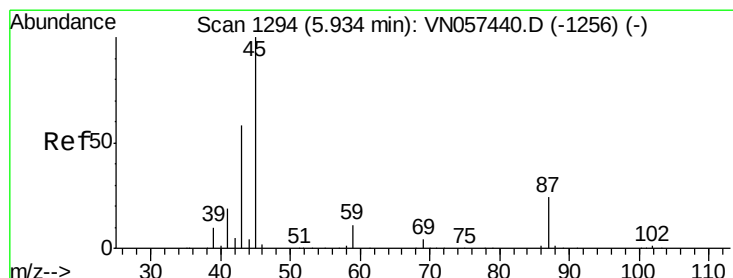
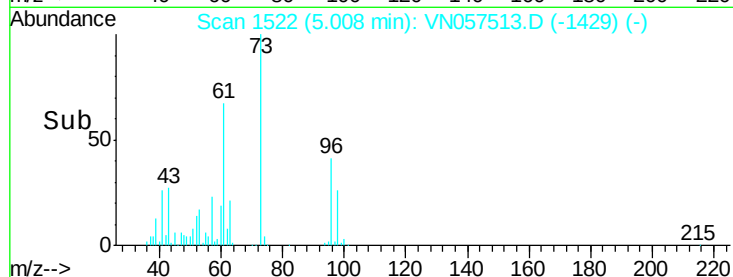
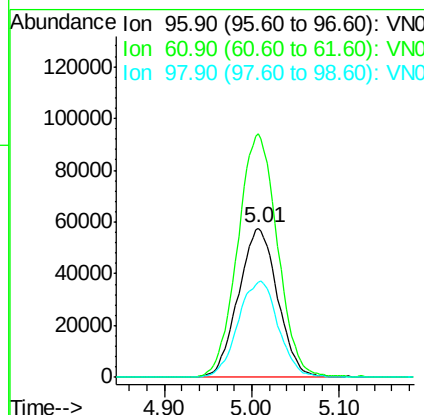
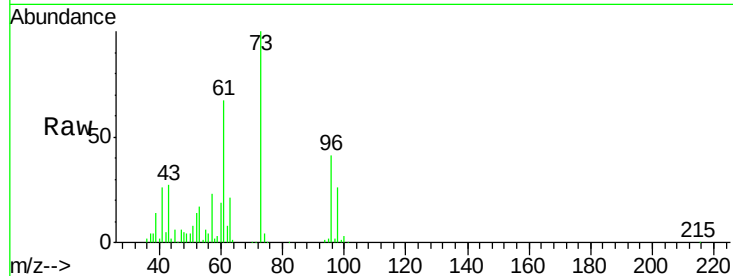
#21
trans-1,2-Dichloroethene
Concen: 42.800 ug/l
RT: 5.01 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	127.9	191.9
98	63.6	50.6	76.0

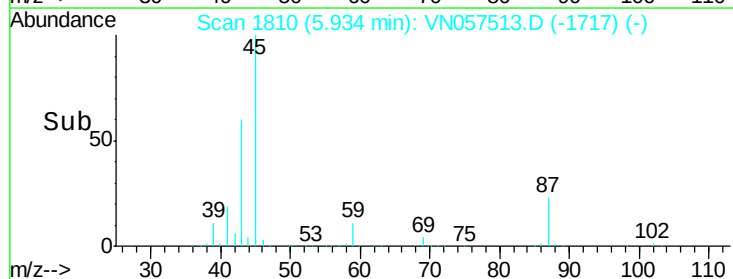
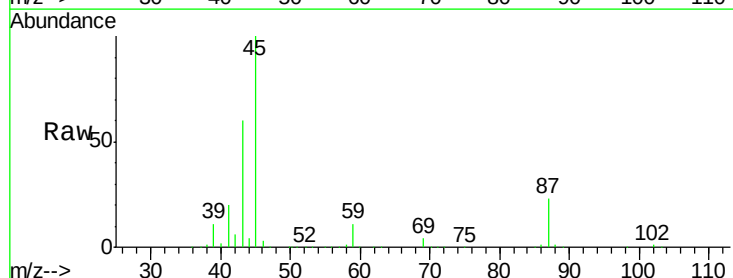
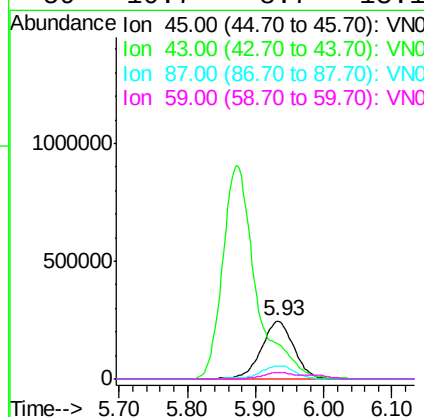
Manual Integrations
APPROVED

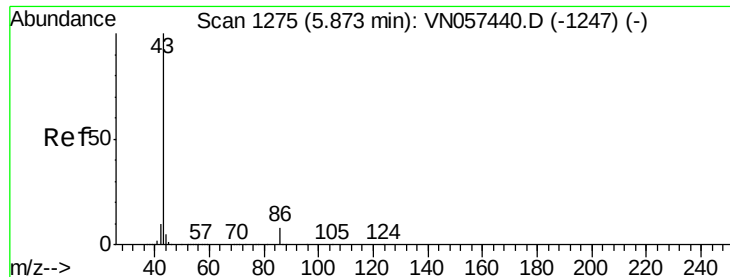
MMDadoda
8/27/2019 5:30:38 PM



#22
Diisopropyl ether
Concen: 48.196 ug/l
RT: 5.93 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.9	70.3
87	22.5	19.3	28.9
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 234.020 ug/l

RT: 5.87 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3076848

Ion Ratio Lower Upper

43 100

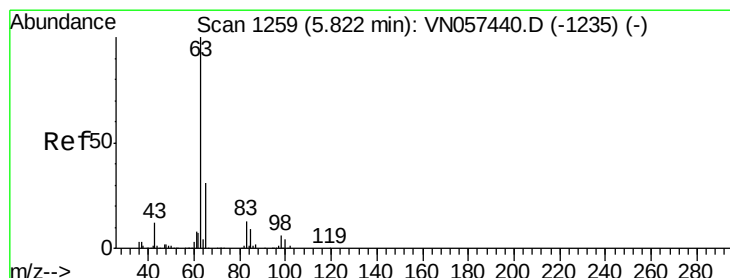
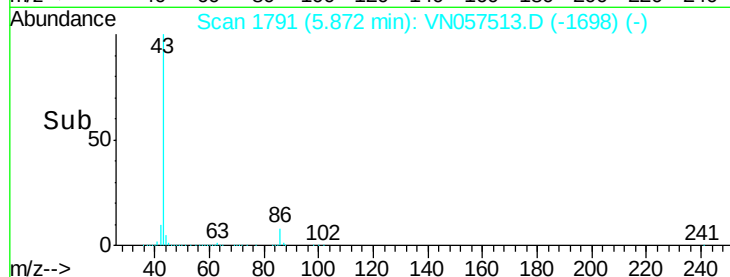
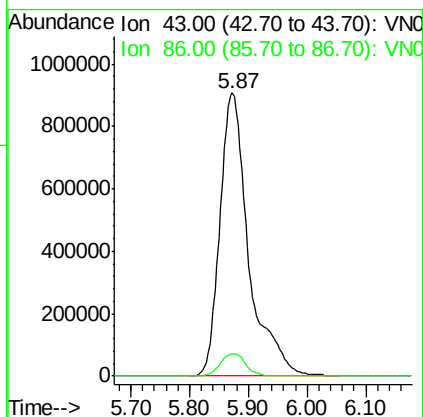
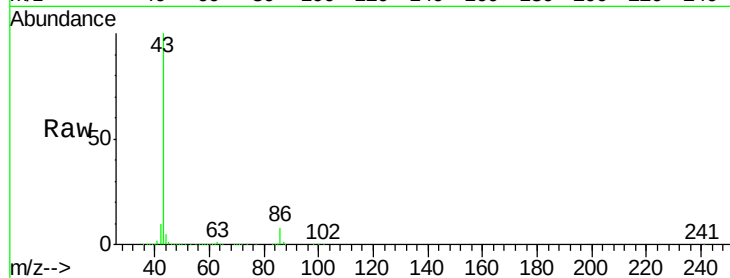
86 8.1 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.882 ug/l

RT: 5.82 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

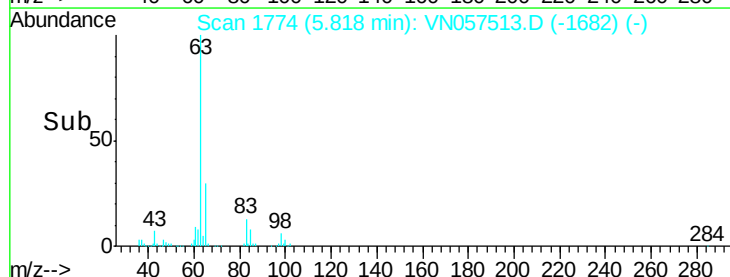
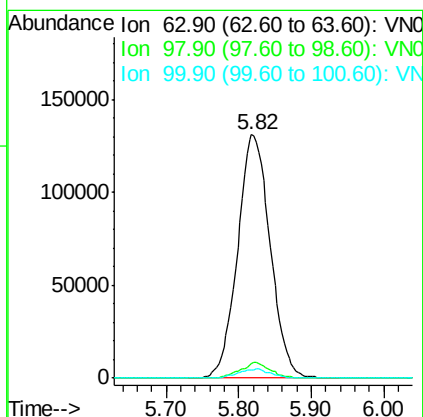
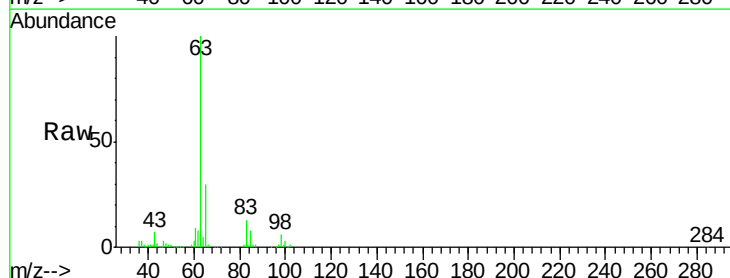
Tgt Ion: 63 Resp: 409312

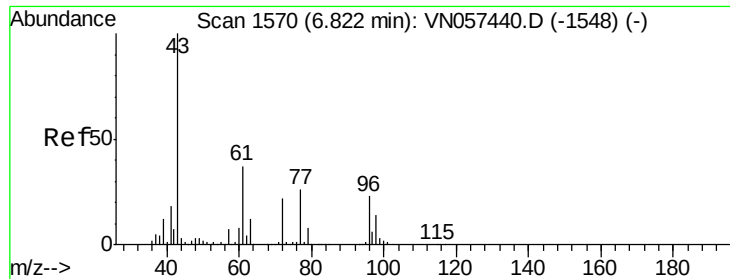
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.4 2.1 6.3





#25

2-Butanone

Concen: 237.813 ug/l

RT: 6.82 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 727151

Ion Ratio Lower Upper

43 100

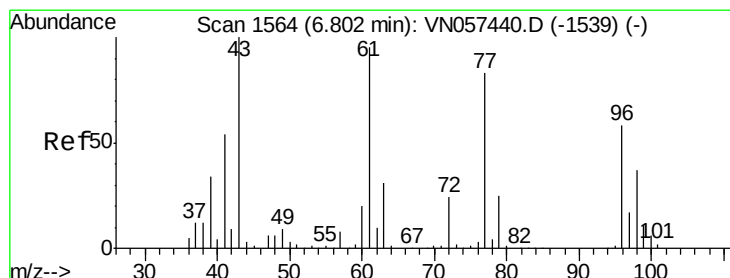
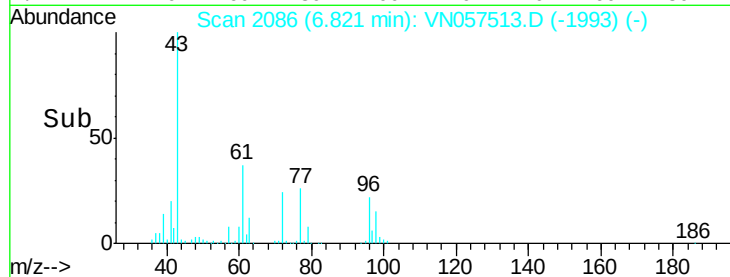
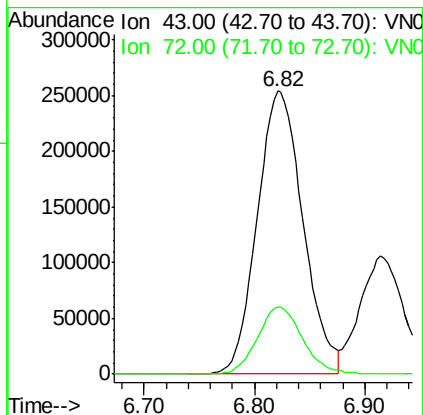
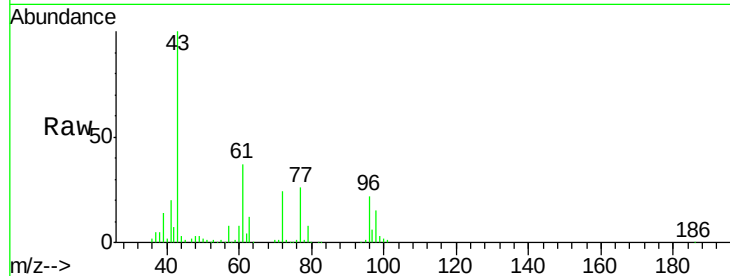
72 23.7 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.234 ug/l

RT: 6.80 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VN057513.D

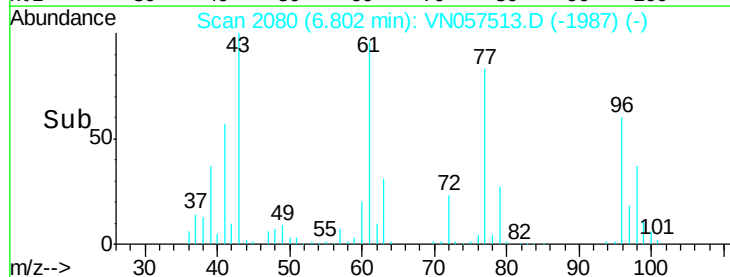
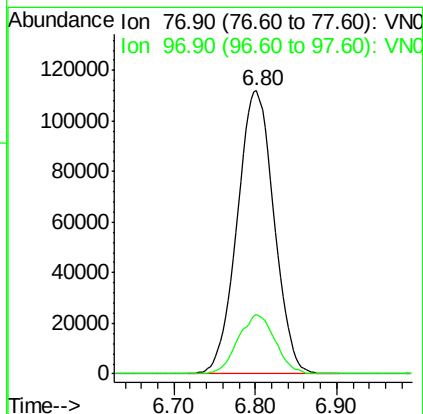
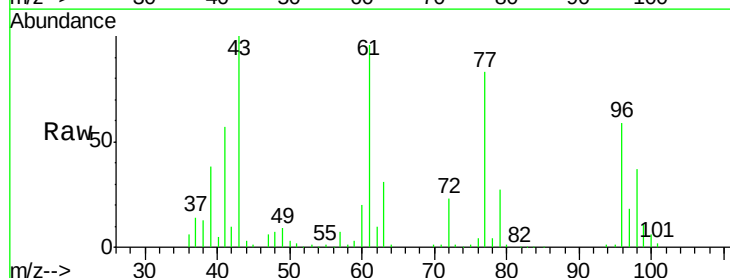
Acq: 26 Aug 2019 16:25

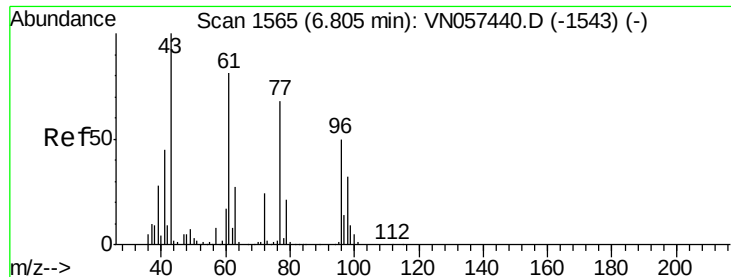
Tgt Ion: 77 Resp: 349449

Ion Ratio Lower Upper

77 100

97 21.2 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 46.813 ug/l

RT: 6.80 min Scan# 2081

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

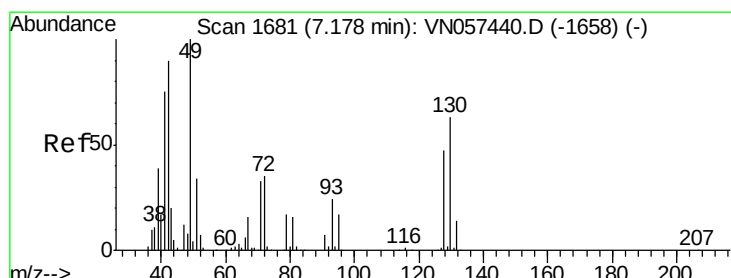
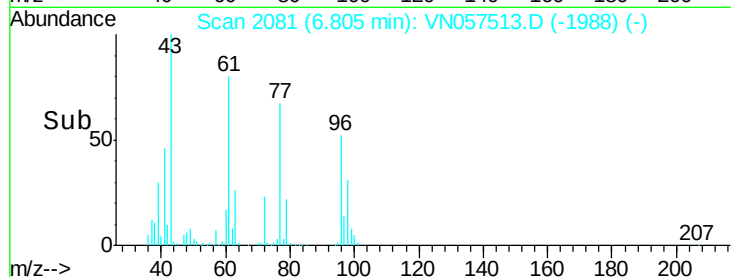
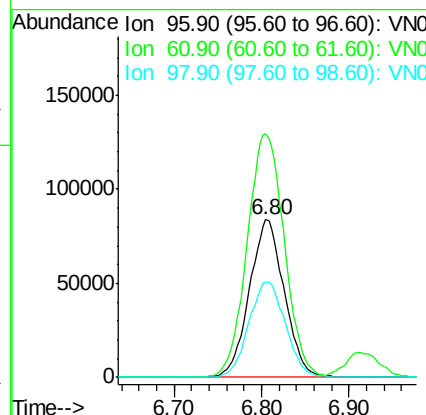
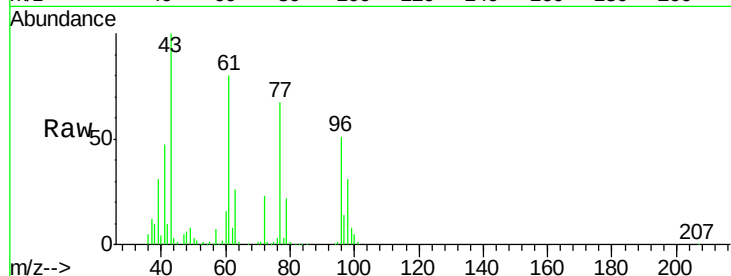
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	232329		
61	164.1	0.0	334.8	
98	63.5	0.0	127.4	

Manual Integrations
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#28

Bromochloromethane

Concen: 51.926 ug/l

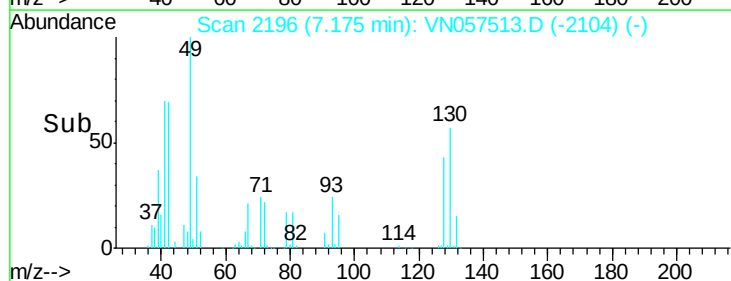
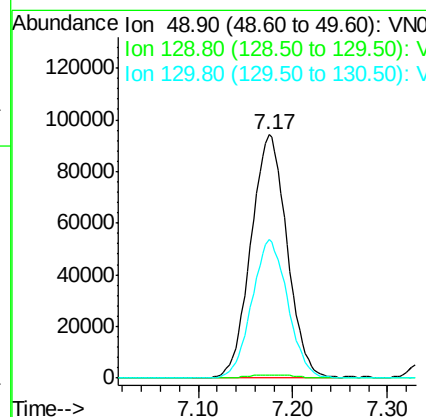
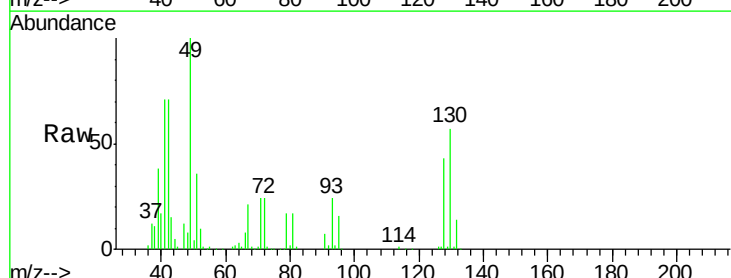
RT: 7.17 min Scan# 2196

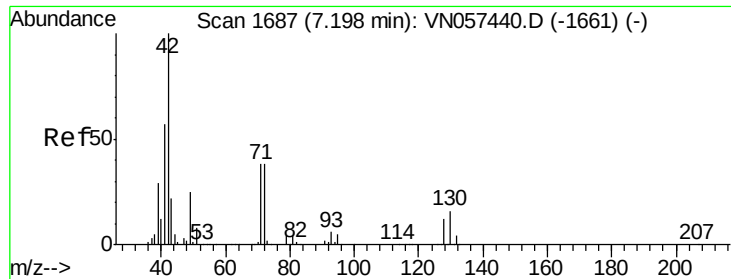
Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	249463		
129	1.6	0.0	3.6	
130	56.4	48.6	72.8	





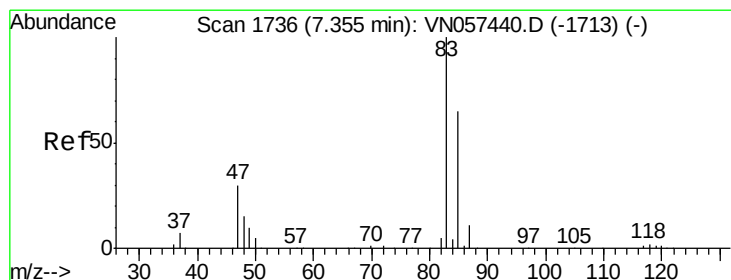
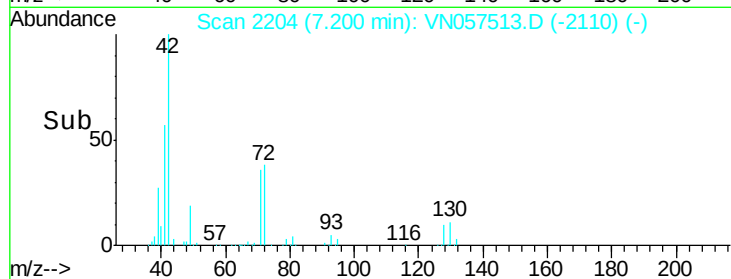
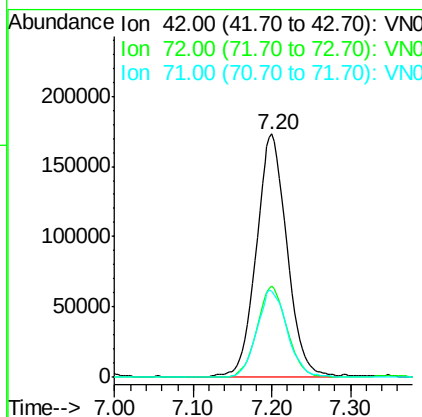
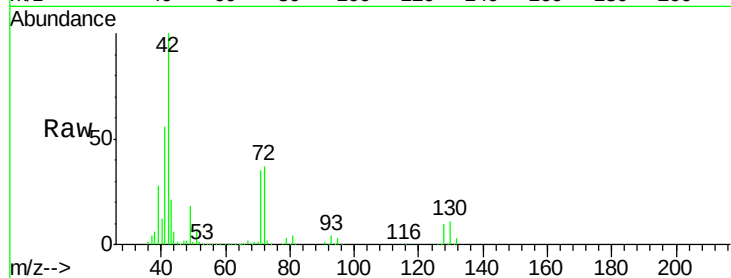
#29
Tetrahydrofuran
Concen: 235.910 ug/l
RT: 7.20 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.1	45.1
71	35.8	28.8	43.2

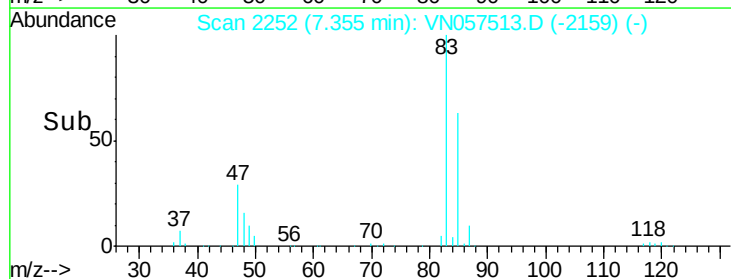
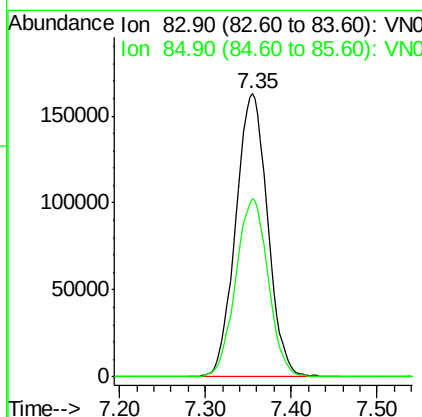
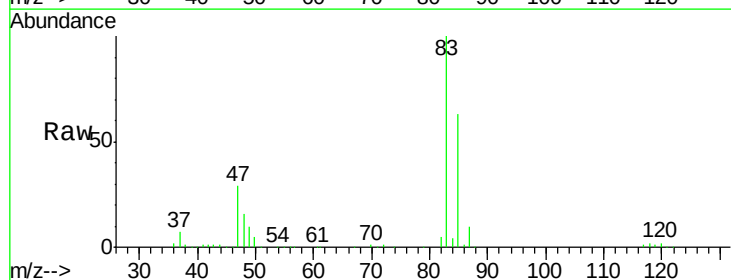
Manual Integrations
APPROVED

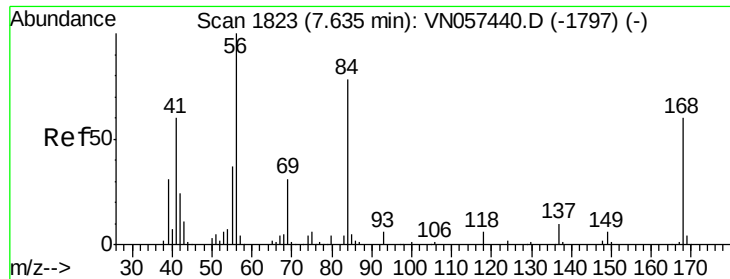
MMDadoda
8/27/2019 5:30:38 PM



#30
Chloroform
Concen: 50.823 ug/l
RT: 7.35 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





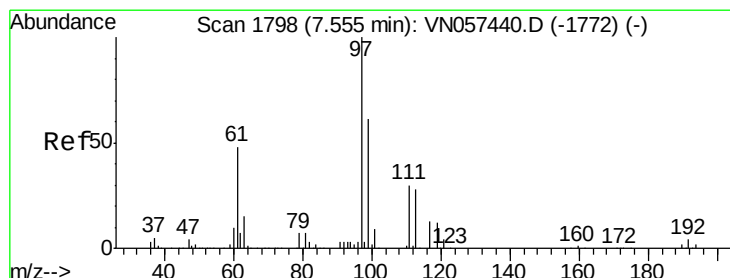
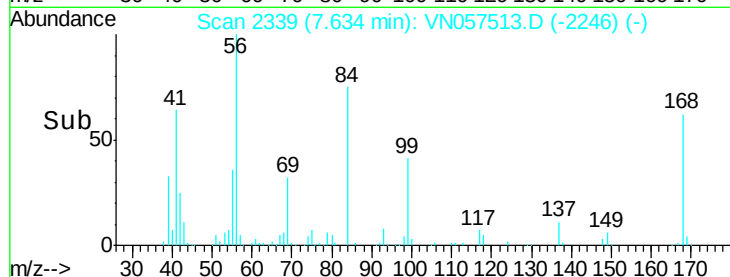
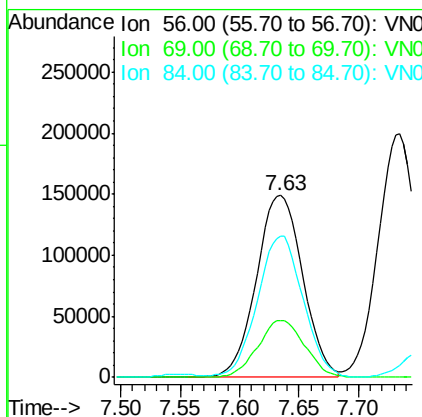
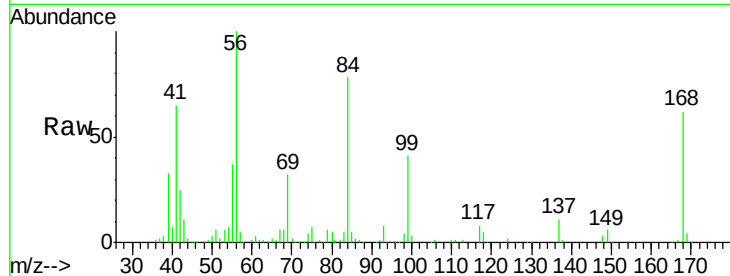
#31
Cyclohexane
Concen: 46.548 ug/l
RT: 7.63 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.6
84	76.0	62.5	93.7

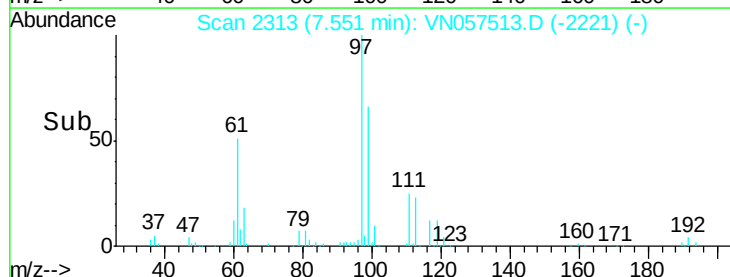
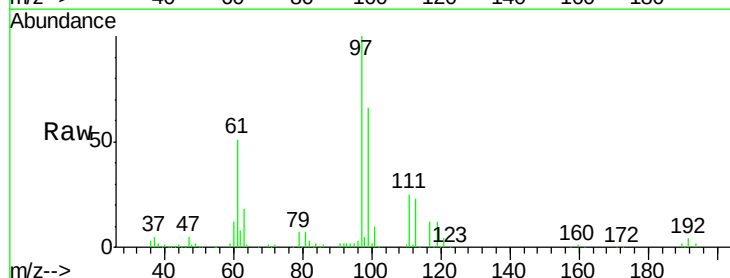
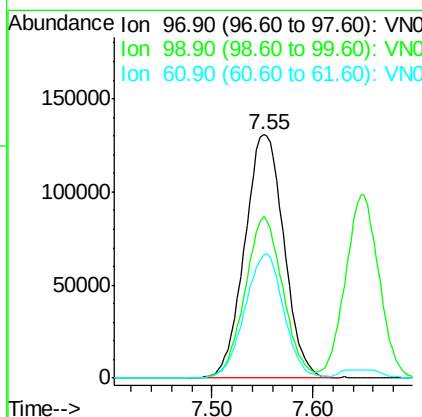
Manual Integrations
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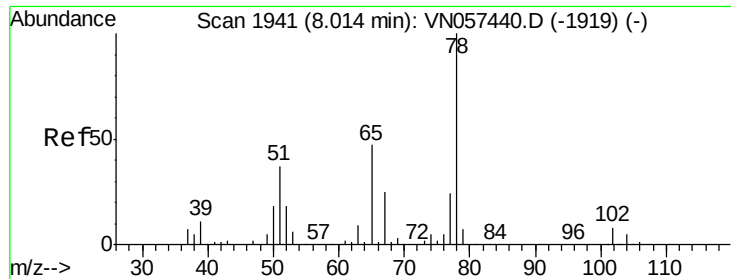
MMDadoda
8/27/2019 5:30:38 PM



#32
1,1,1-Trichloroethane
Concen: 46.033 ug/l
RT: 7.55 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	50.5	39.8	59.6





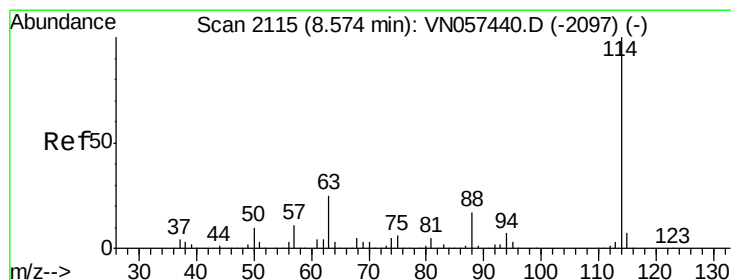
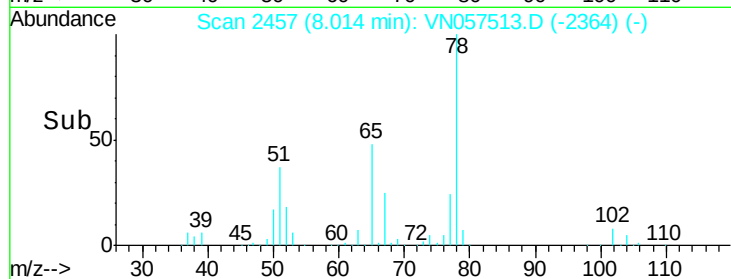
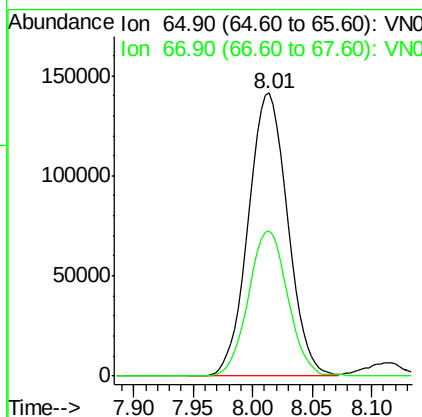
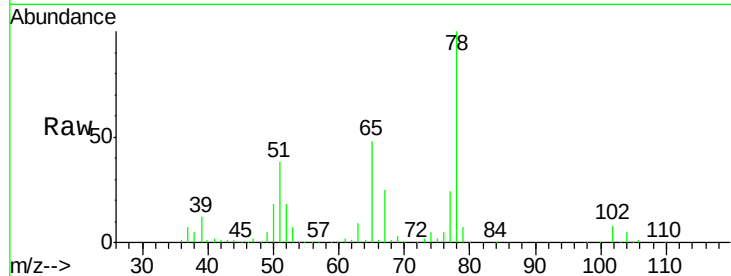
#33
 1,2-Dichloroethane-d4
 Concen: 52.963 ug/l
 RT: 8.01 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	324749		
67	51.5	0.0	103.8	

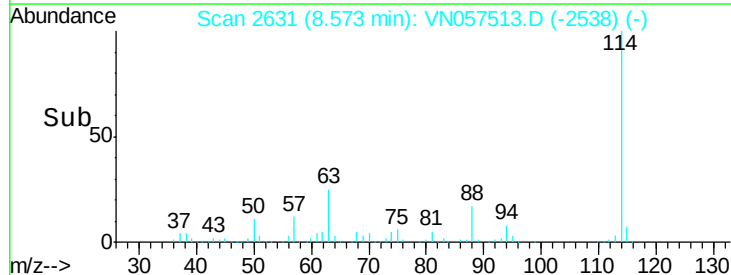
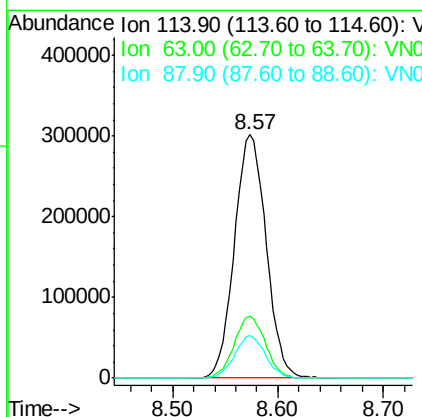
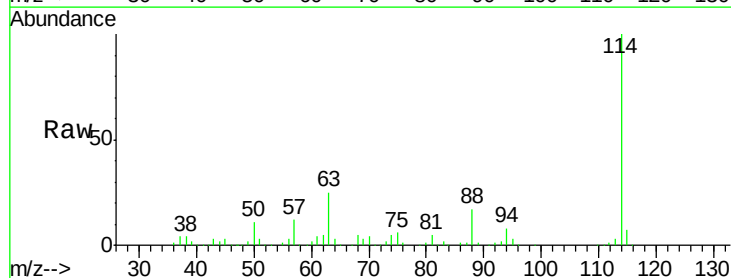
Manual Integrations
 APPROVED

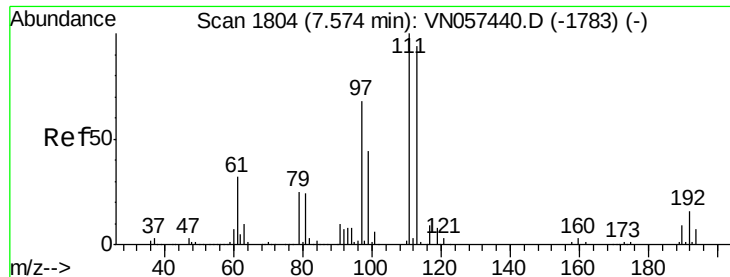
MMDadoda
 8/27/2019 5:30:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	630113		
63	25.4	0.0	50.2	
88	17.3	0.0	34.6	





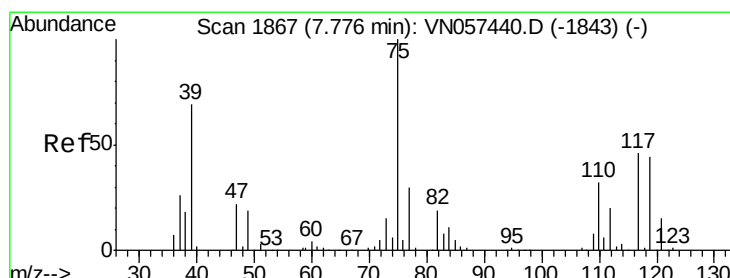
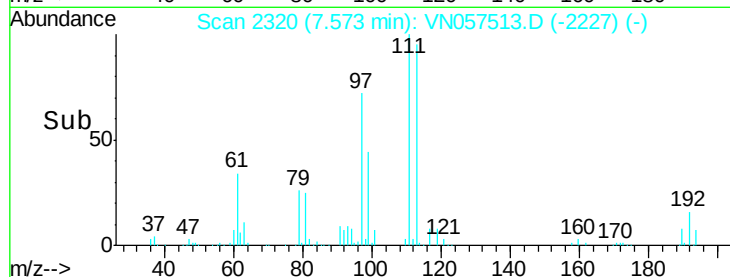
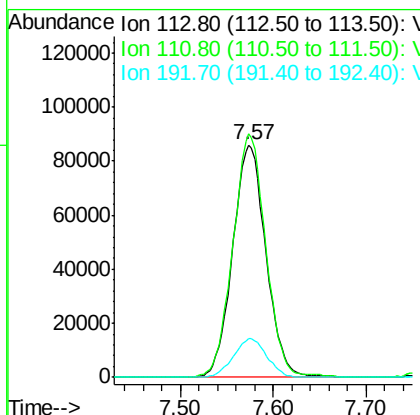
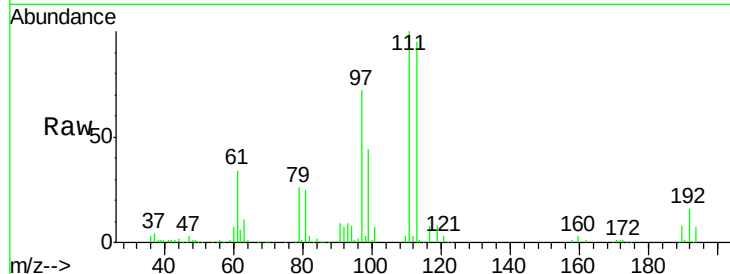
#35
Dibromofluoromethane
Concen: 50.227 ug/l
RT: 7.57 min Scan# 2320
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213771		
111	103.8	83.8	125.6	
192	16.7	13.5	20.3	

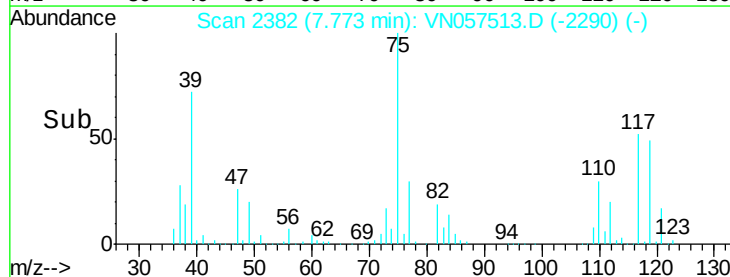
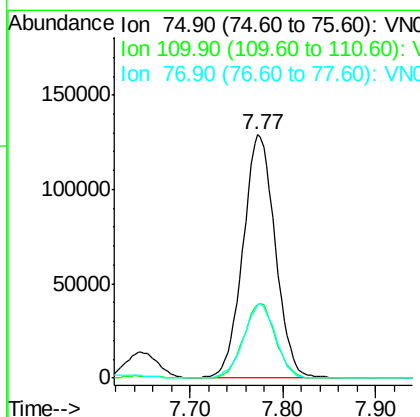
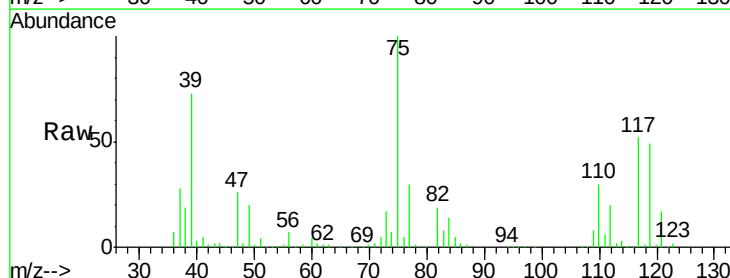
Manual Integrations
APPROVED

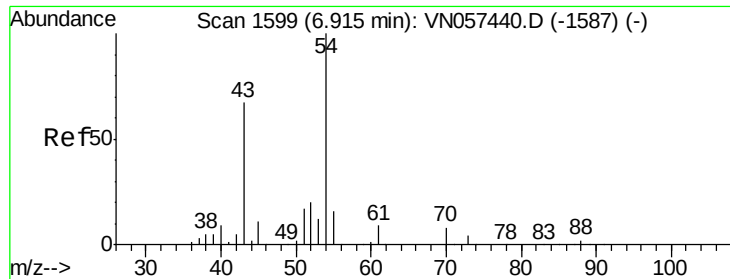
MMDadoda
8/27/2019 5:30:38 PM



#36
1,1-Dichloropropene
Concen: 48.069 ug/l
RT: 7.77 min Scan# 2382
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	309494		
110	30.5	16.1	48.3	
77	29.9	24.8	37.2	





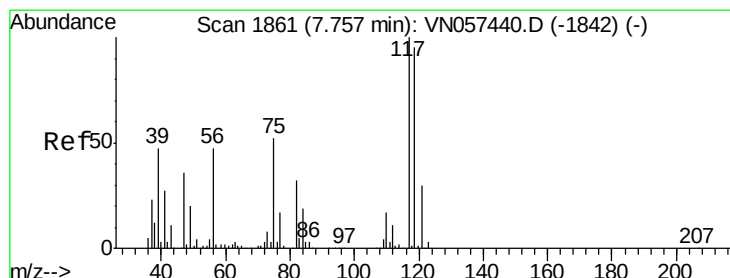
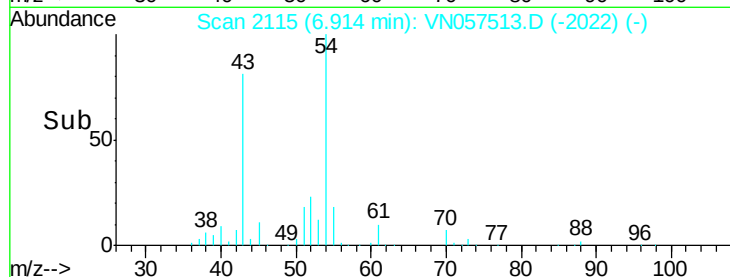
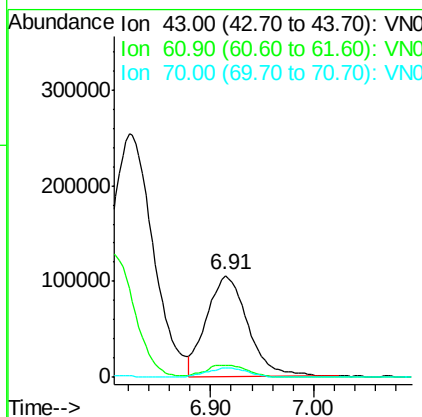
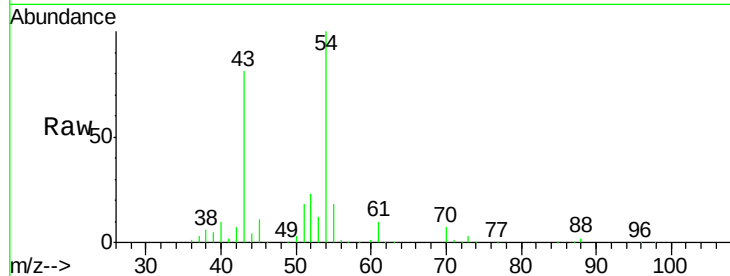
#37
Ethyl Acetate
Concen: 45.904 ug/l
RT: 6.91 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	292049		
61	12.2		9.9	14.9
70	9.7		7.0	10.6

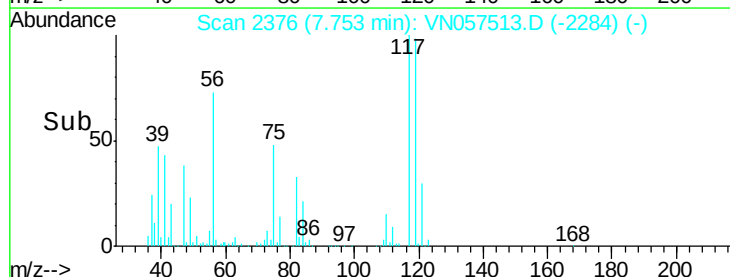
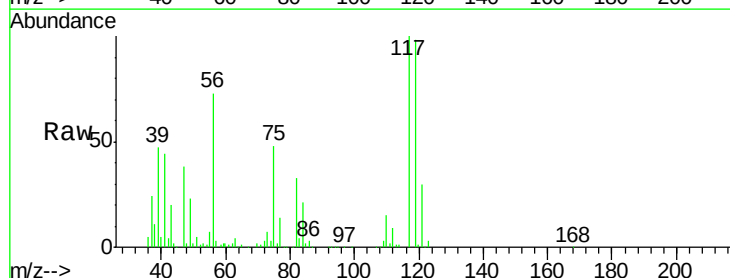
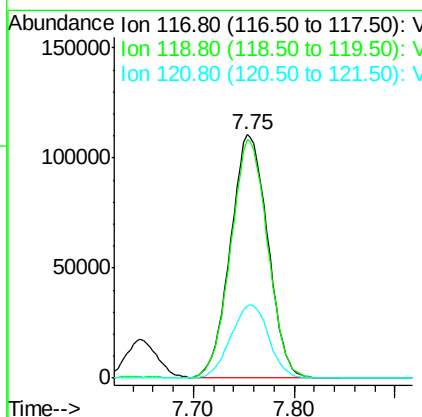
Manual Integrations
APPROVED

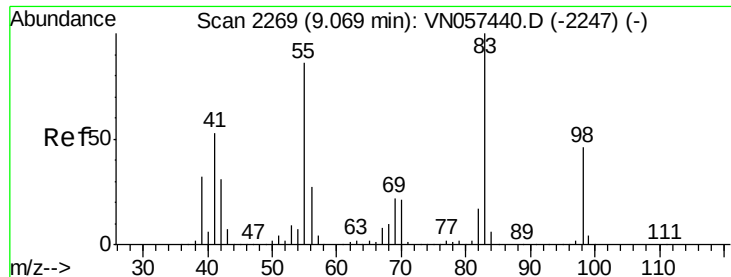
MMDadoda
8/27/2019 5:30:38 PM



#38
Carbon Tetrachloride
Concen: 44.376 ug/l
RT: 7.75 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	283844		
119	97.8		76.2	114.4
121	29.7		23.8	35.6





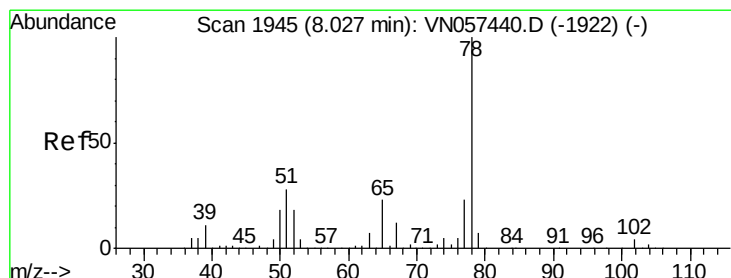
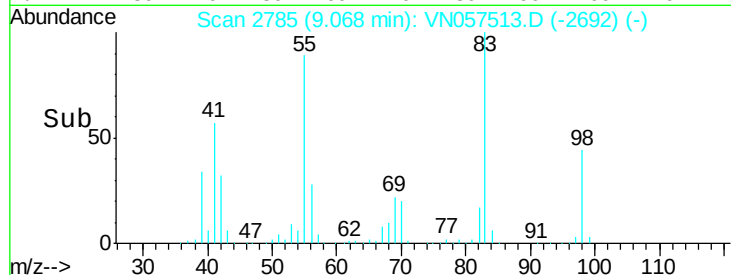
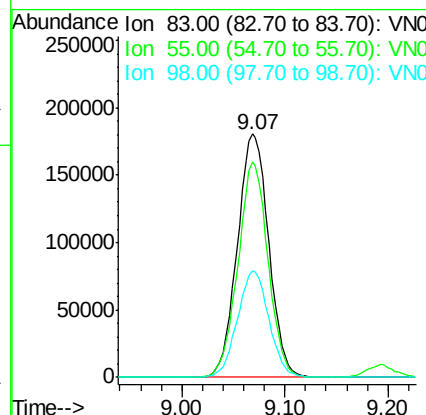
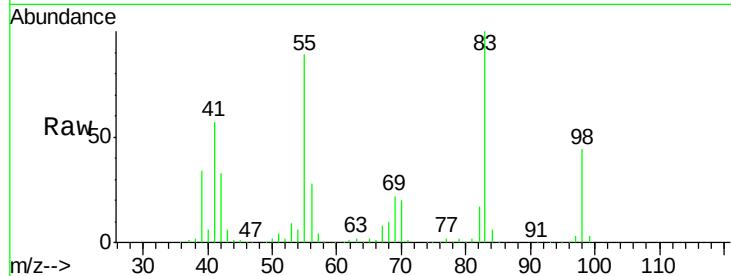
#39
Methylvlcyclohexane
Concen: 49.936 ug/l
RT: 9.07 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	381849
Ion Ratio	Lower	Upper	
83	100		
55	88.5	68.6	102.8
98	43.7	36.6	54.8

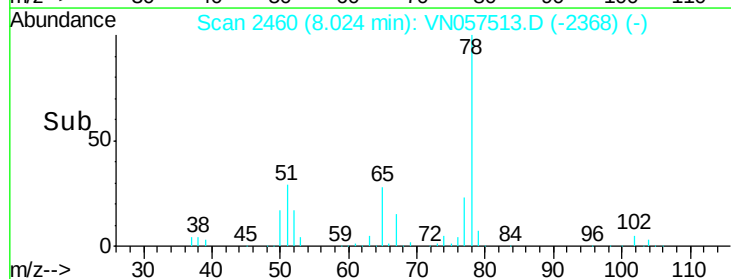
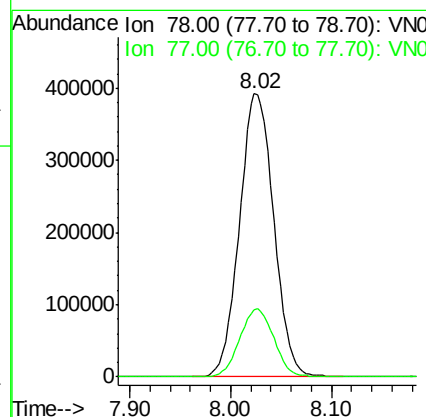
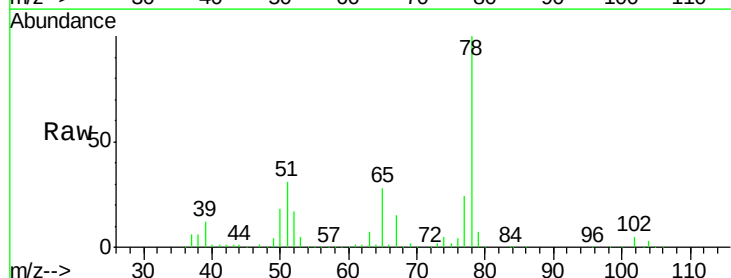
Manual Integrations
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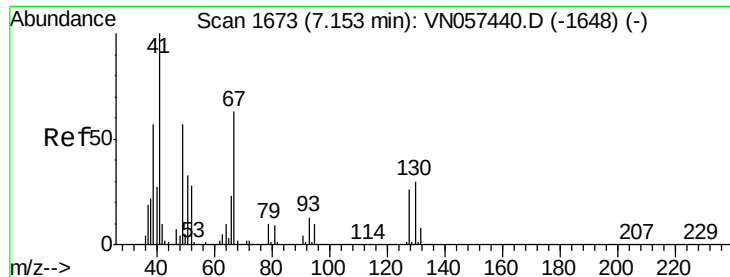
MMDadoda
8/27/2019 5:30:38 PM



#40
Benzene
Concen: 47.781 ug/l
RT: 8.02 min Scan# 2460
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	78	Resp	923365
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.5	27.7





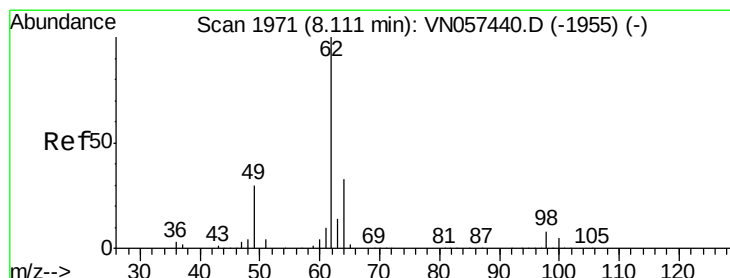
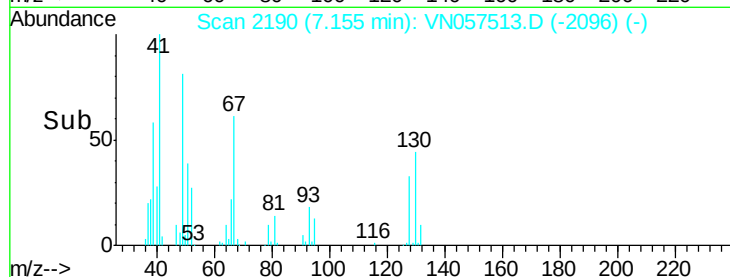
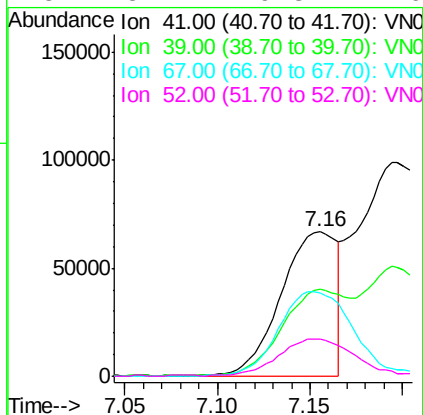
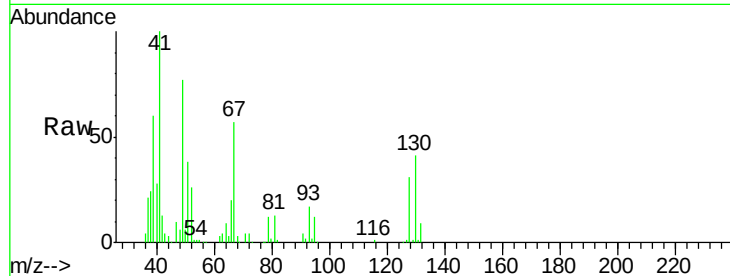
#41
Methacrylonitrile
Concen: 45.991 ug/l
RT: 7.16 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	68.6	53.6	80.4	
67	79.2	65.4	98.2	
52	34.1	29.8	44.6	

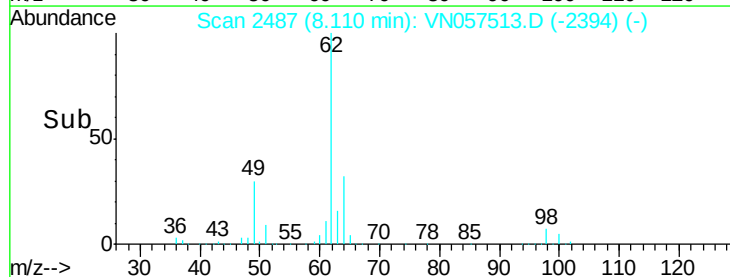
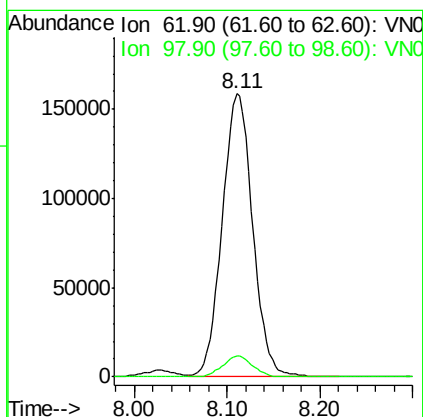
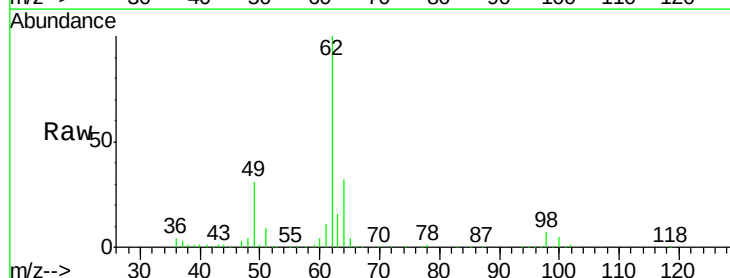
Manual Integrations
APPROVED

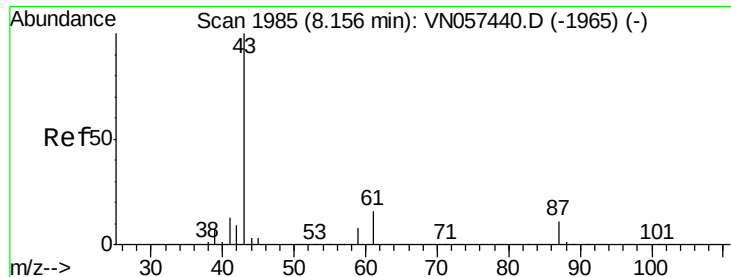
MMDadoda
8/27/2019 5:30:38 PM



#42
1,2-Dichloroethane
Concen: 48.490 ug/l
RT: 8.11 min Scan# 2487
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	15.4	





#43

Isopropyl Acetate

Concen: 46.423 ug/l

RT: 8.16 min Scan# 2501

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

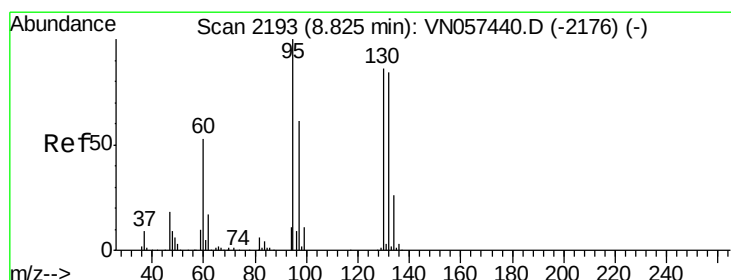
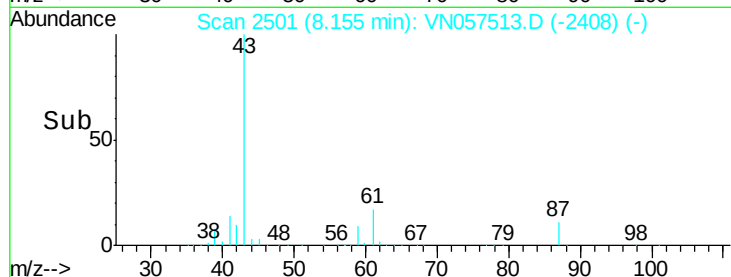
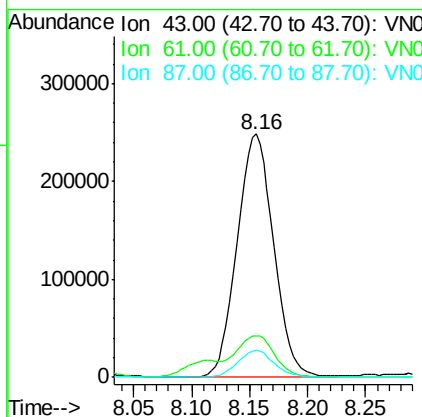
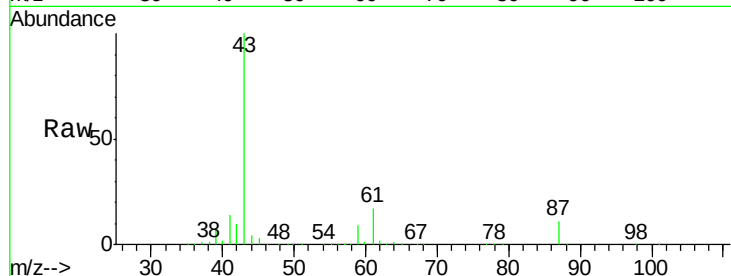
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	541559
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.1	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 48.513 ug/l

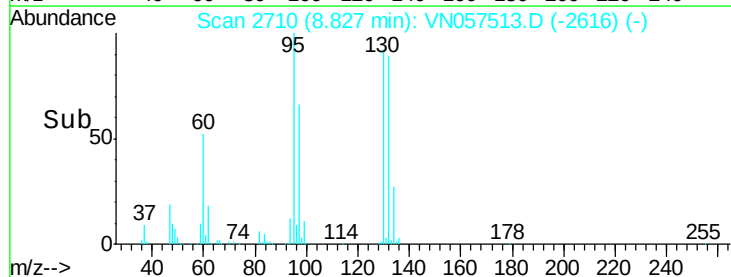
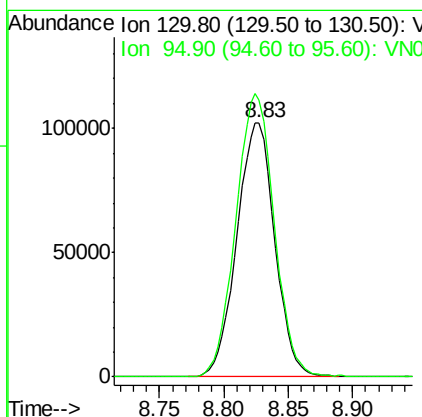
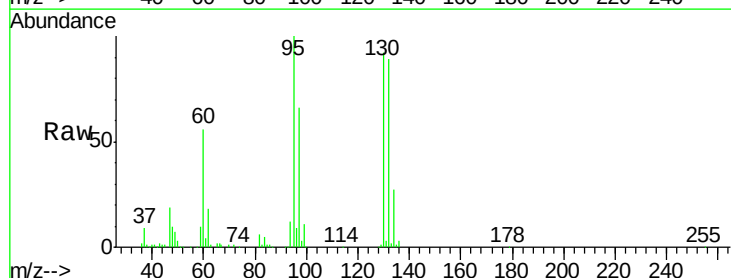
RT: 8.83 min Scan# 2710

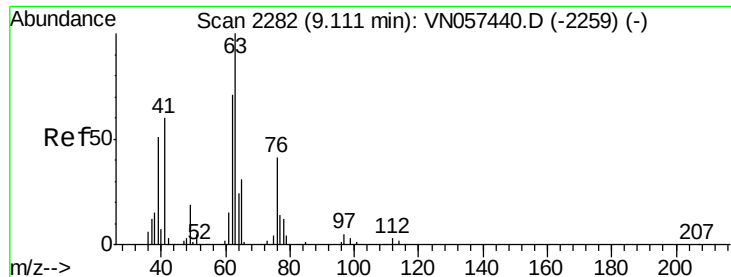
Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	130	Resp:	209273
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	231.6





#45

1,2-Dichloropropane

Concen: 48.824 ug/l

RT: 9.11 min Scan# 2798

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 265722

Ion Ratio Lower Upper

63 100

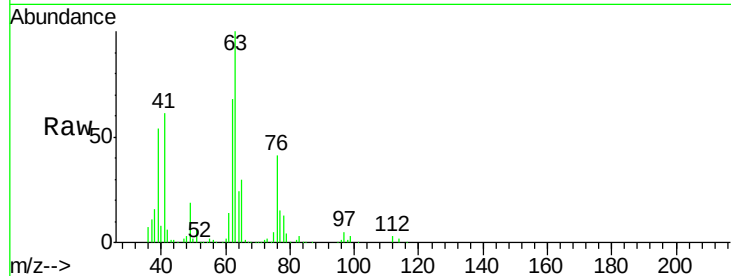
65 29.6 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

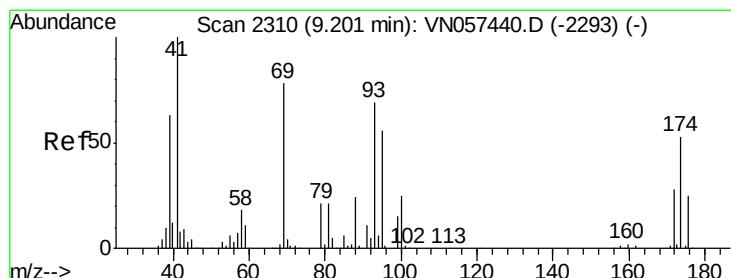
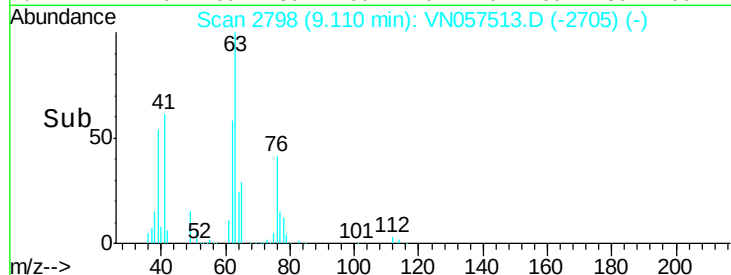
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 51.104 ug/l

RT: 9.20 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

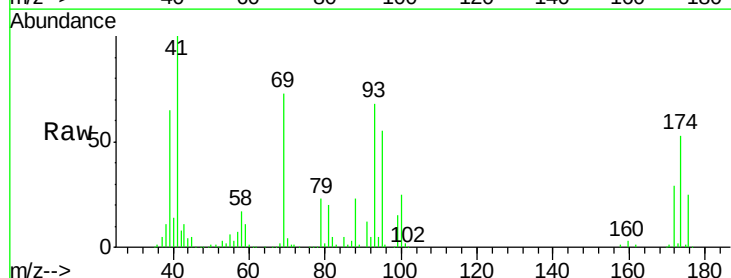
Tgt Ion: 93 Resp: 162940

Ion Ratio Lower Upper

93 100

95 82.1 64.7 97.1

174 79.2 62.3 93.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

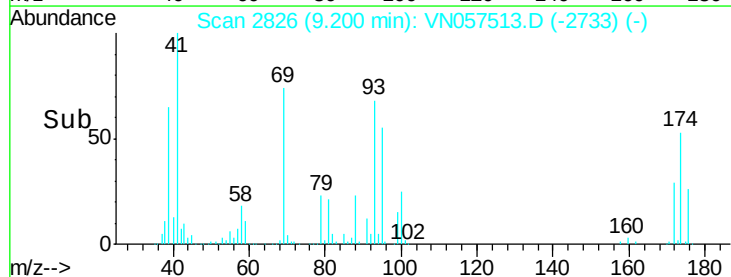
40000

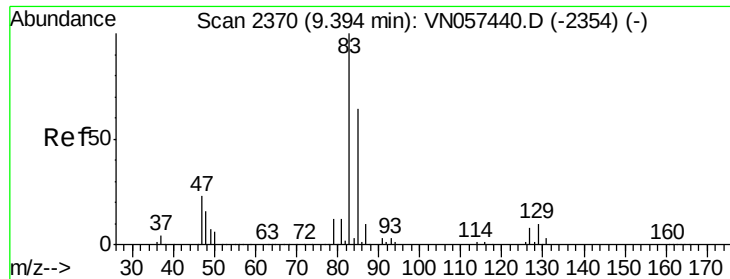
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 46.956 ug/l

RT: 9.39 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

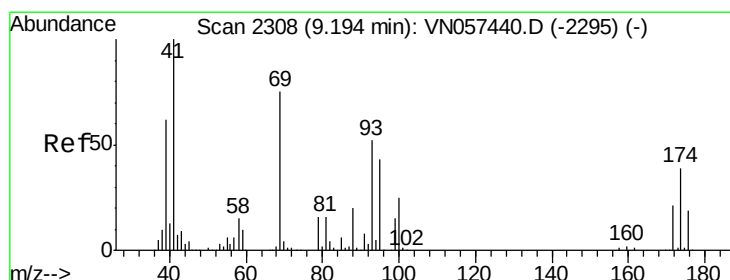
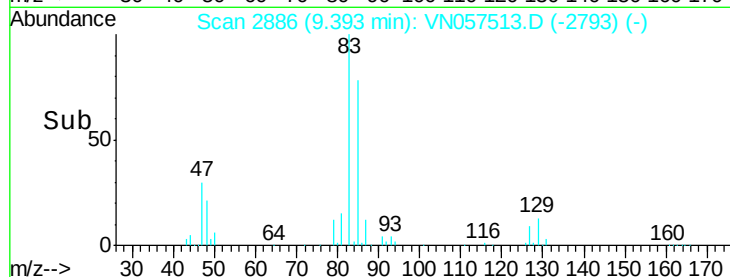
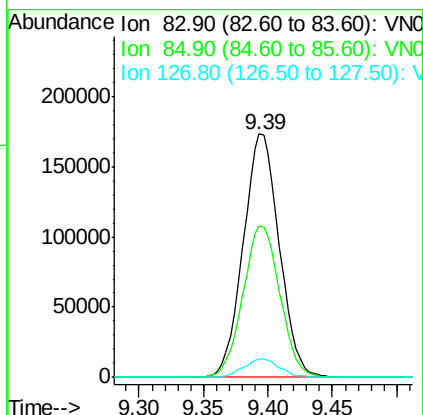
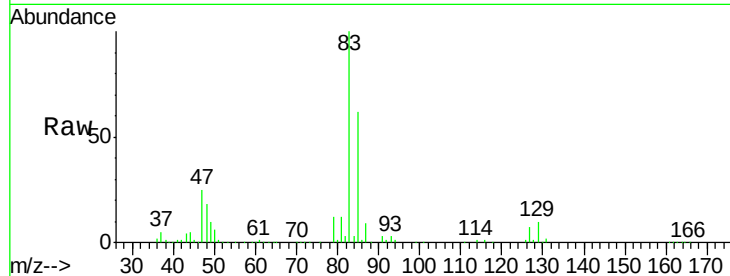
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	337146
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.2	76.8
127	7.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.743 ug/l

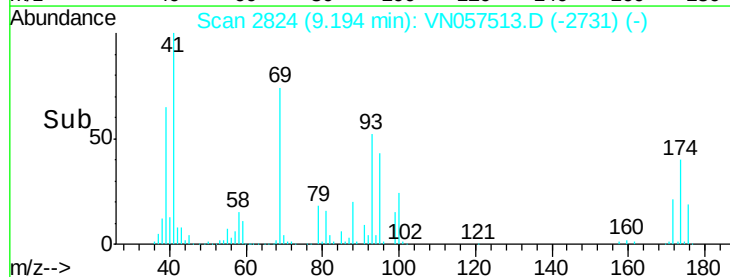
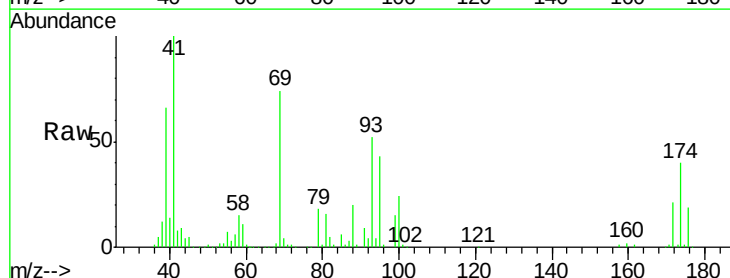
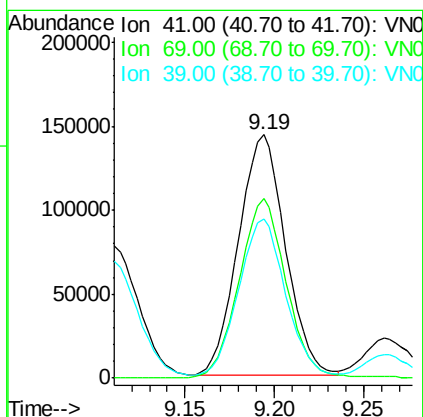
RT: 9.19 min Scan# 2824

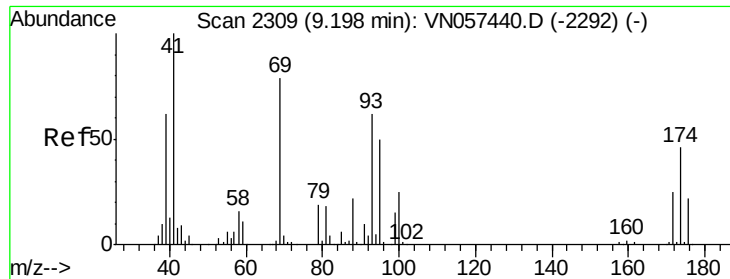
Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	41	Resp:	264838
Ion	Ratio	Lower	Upper
41	100		
69	75.0	59.3	88.9
39	66.4	50.6	75.8





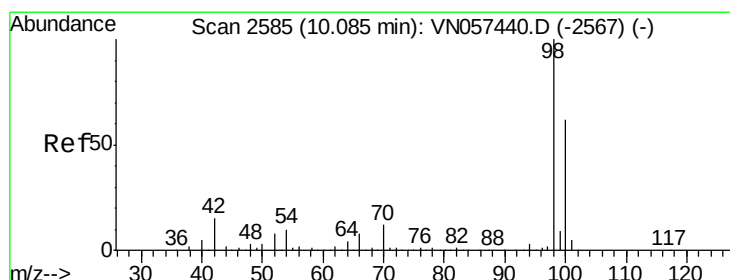
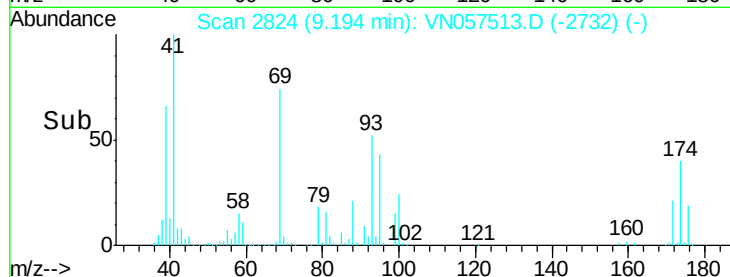
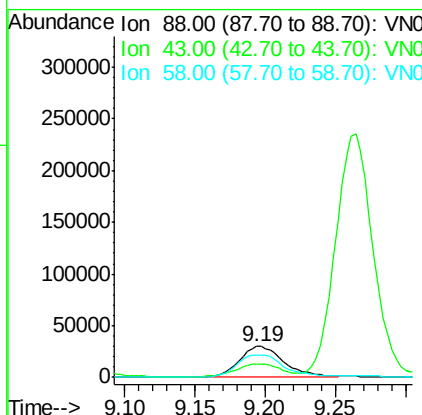
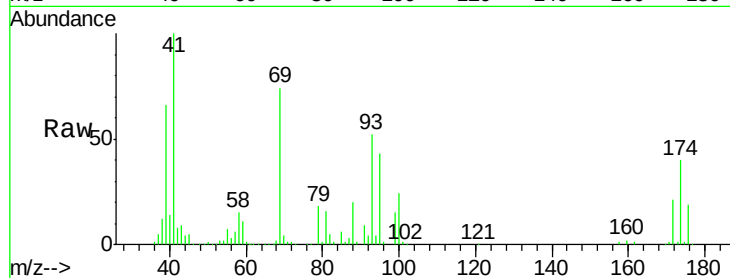
#49
1,4-Dioxane
Concen: 938.048 ug/l
RT: 9.19 min Scan# 2824
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	31.0	46.6
58	77.7	64.5	96.7

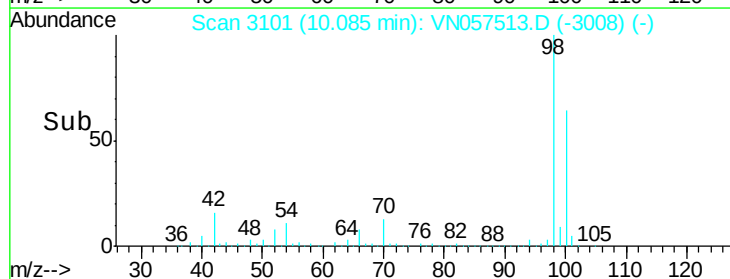
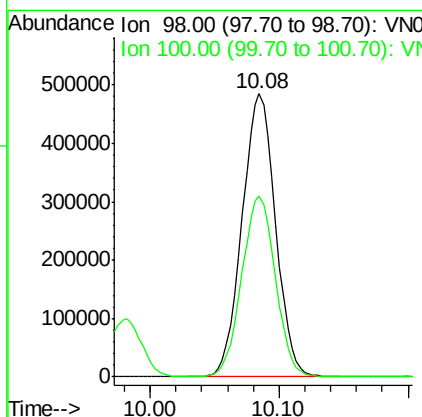
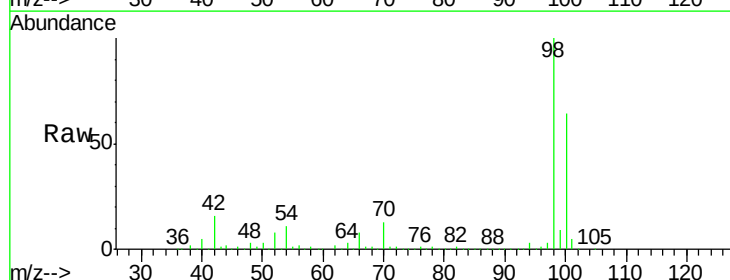
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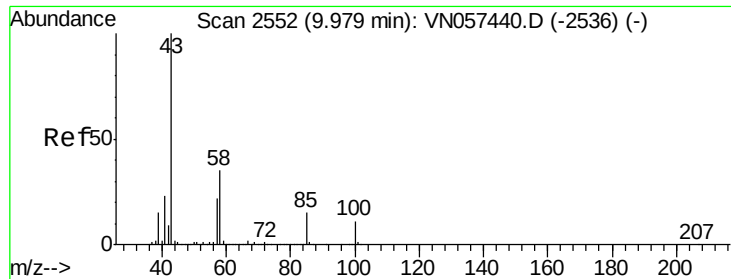
MMDadoda
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#50
Toluene-d8
Concen: 54.381 ug/l
RT: 10.08 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.4	75.6





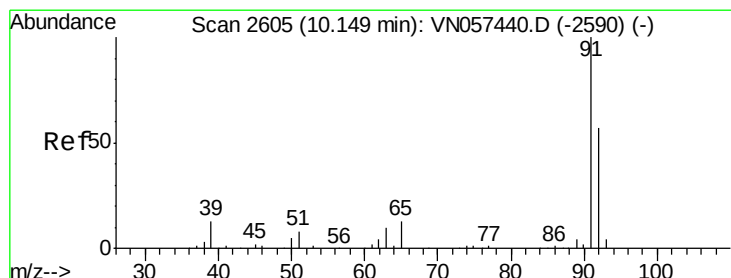
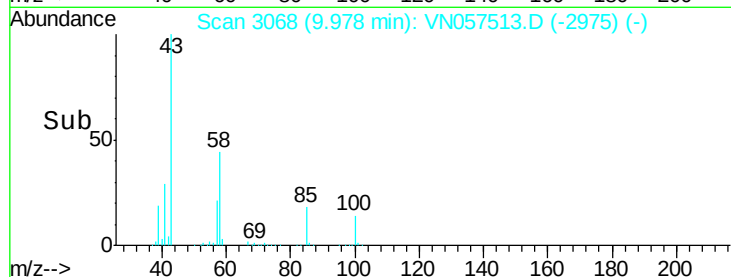
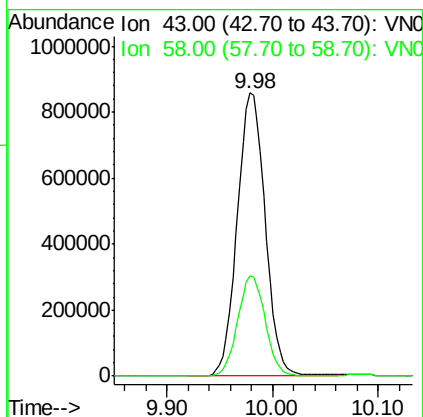
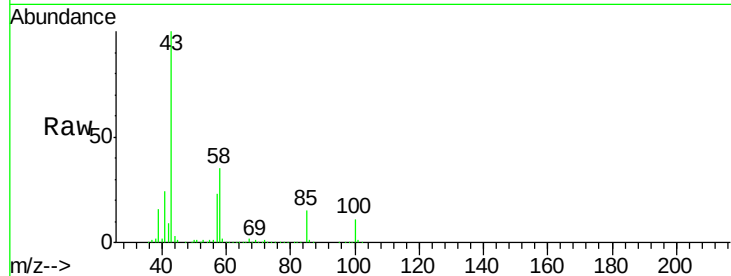
#51
4-Methyl-2-Pentanone
Concen: 242.770 ug/l
RT: 9.98 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1578362
Ion Ratio Lower Upper
43 100
58 35.0 27.9 41.9

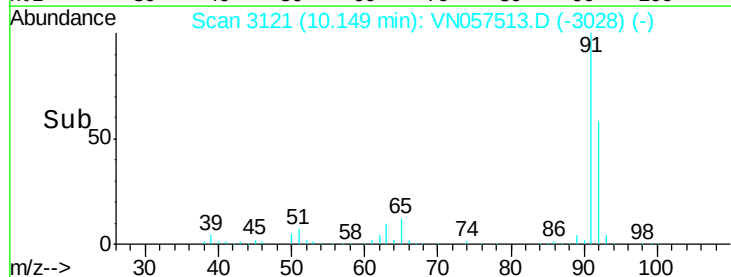
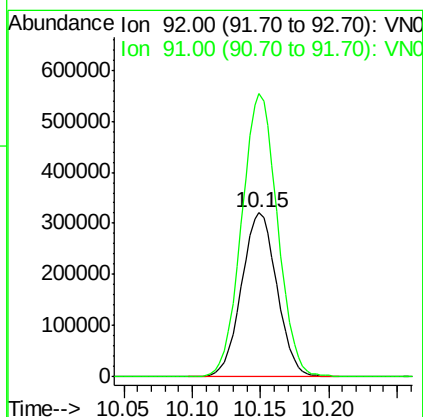
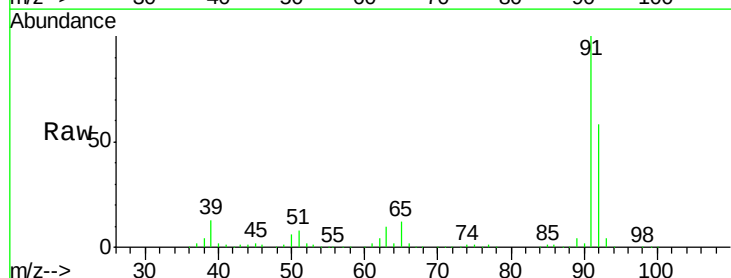
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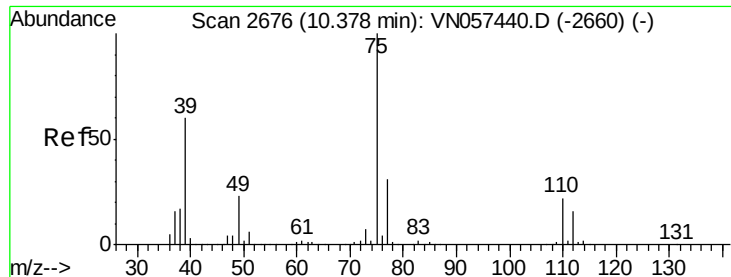
MMDadoda
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#52
Toluene
Concen: 51.839 ug/l
RT: 10.15 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion: 92 Resp: 577378
Ion Ratio Lower Upper
92 100
91 175.1 140.9 211.3





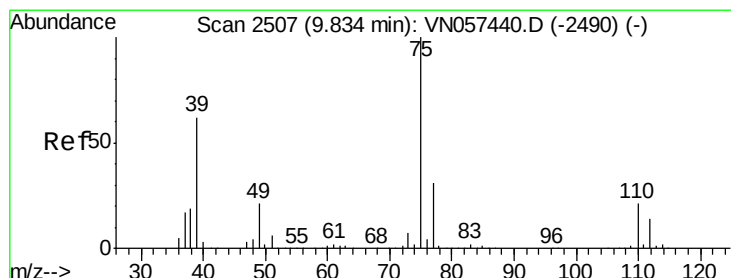
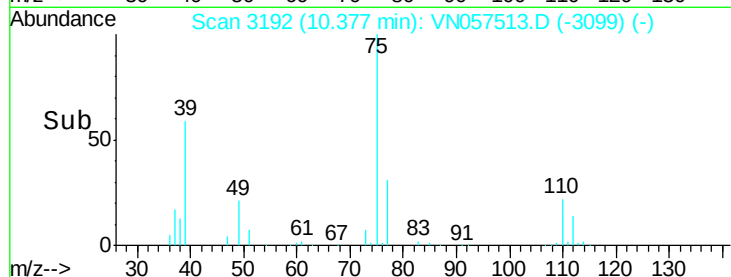
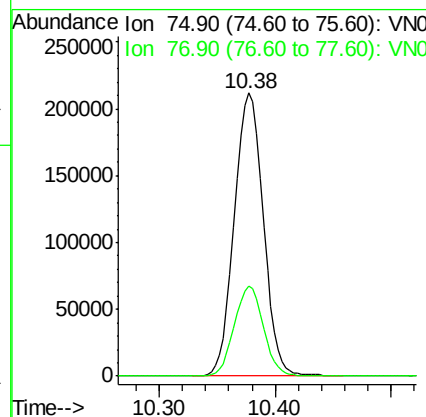
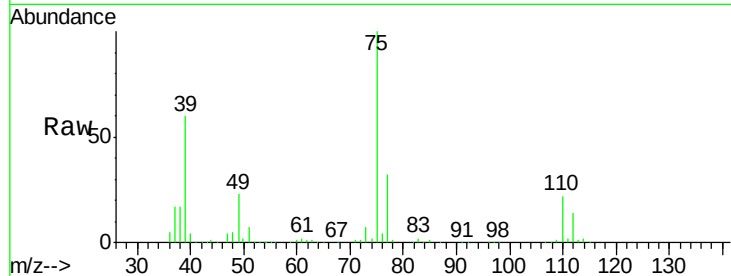
#53
t-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 10.38 min Scan# 3192
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 366688
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

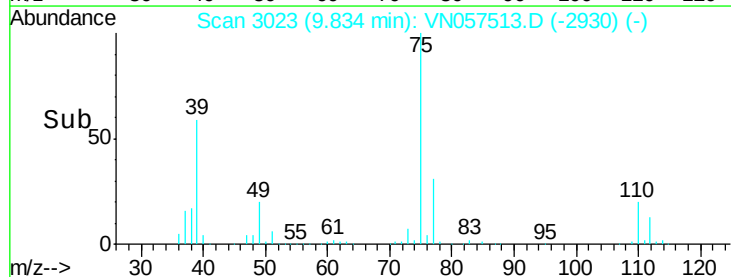
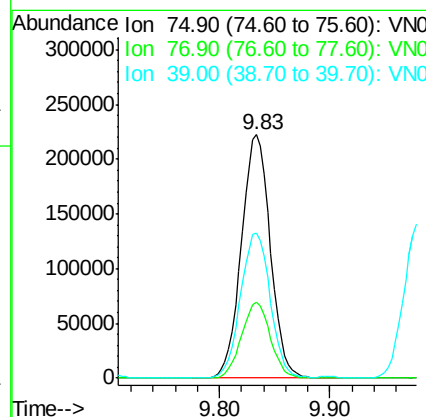
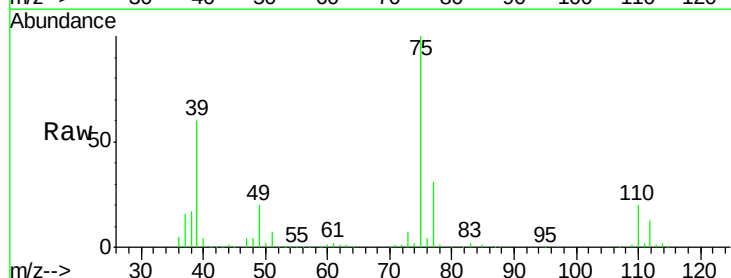
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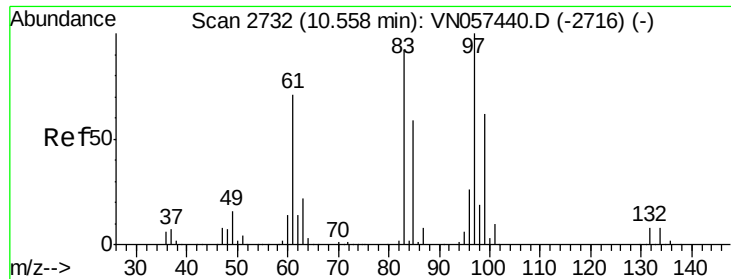
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.205 ug/l
RT: 9.83 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion: 75 Resp: 403659
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6
39 59.3 49.2 73.8





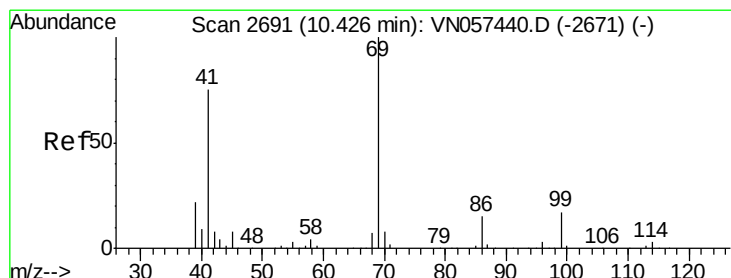
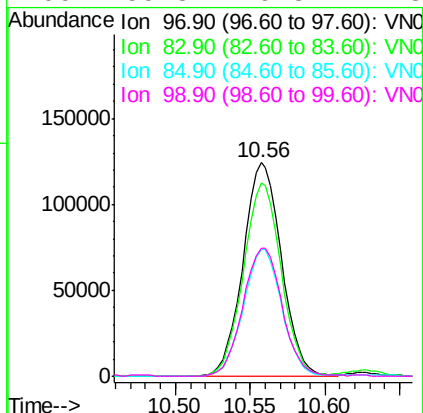
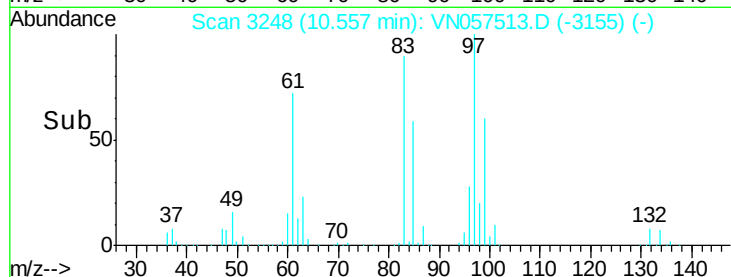
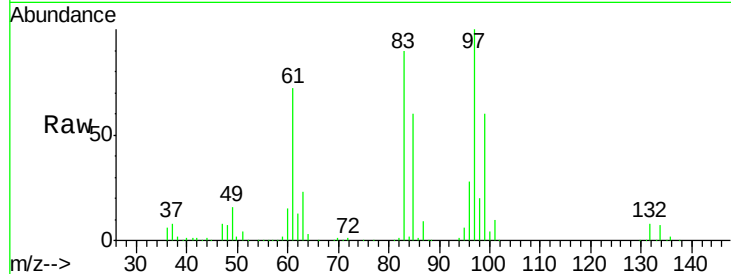
#55
 1,1,2-Trichloroethane
 Concen: 49.388 ug/l
 RT: 10.56 min Scan# 3248
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		222450		
83	90.2		73.7	110.5	
85	59.6		46.8	70.2	
99	59.8		49.8	74.8	

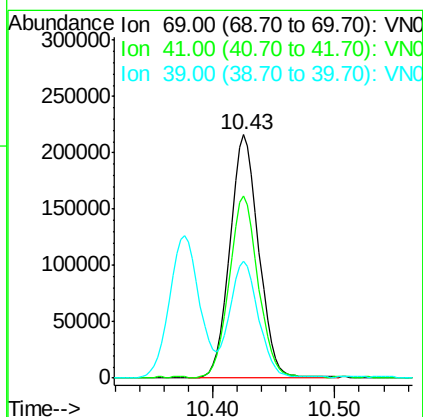
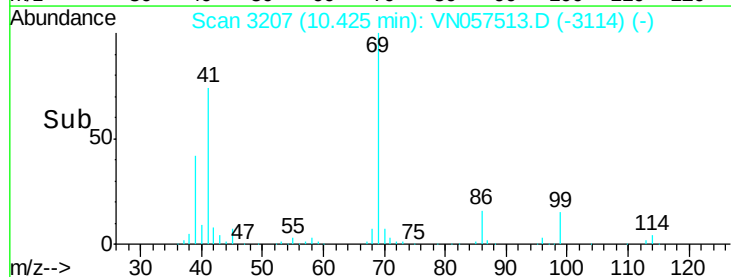
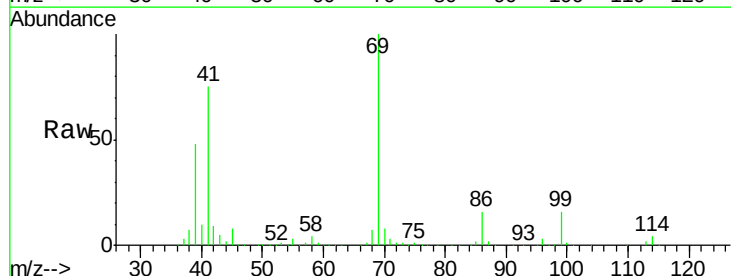
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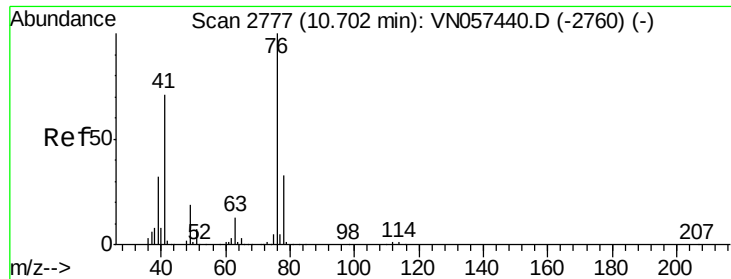
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 8/27/2019 5:30:38 PM



#56
 Ethyl methacrylate
 Concen: 50.456 ug/l
 RT: 10.43 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		357498		
41	74.2		60.8	91.2	
39	46.7		36.5	54.7	





#57

1,3-Dichloropropane

Concen: 51.118 ug/l

RT: 10.70 min Scan# 3293

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 400716

Ion Ratio Lower Upper

76 100

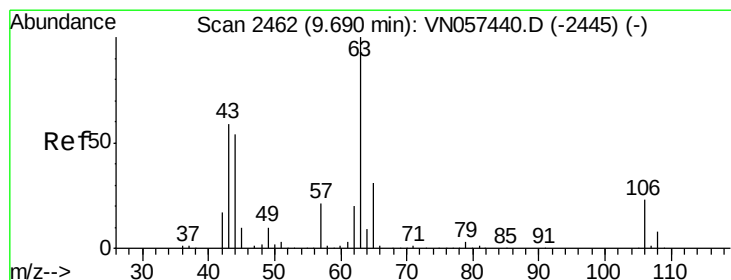
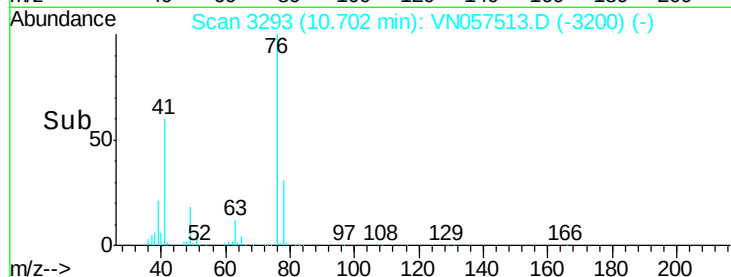
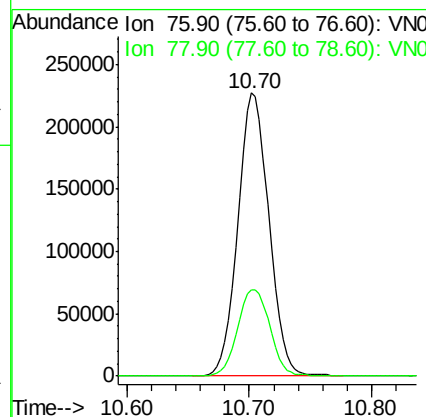
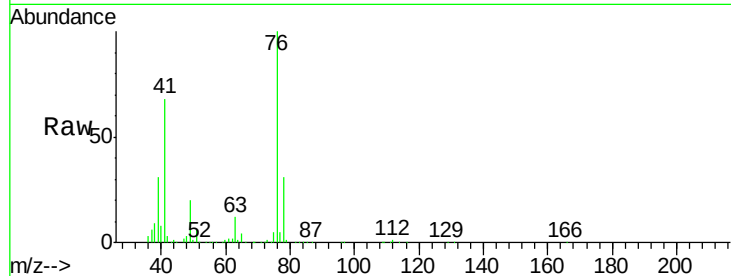
78 31.6 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 292.799 ug/l

RT: 9.69 min Scan# 2978

Delta R.T. 0.00 min

Lab File: VN057513.D

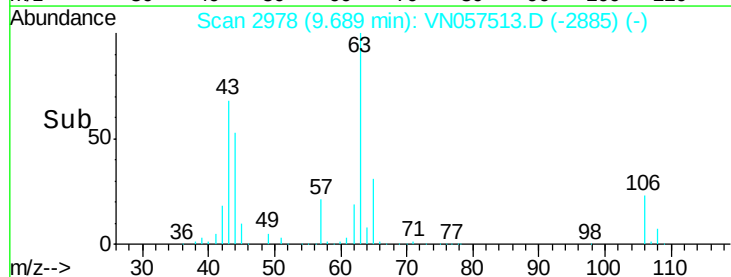
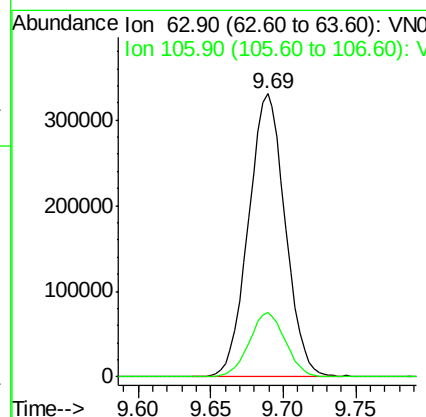
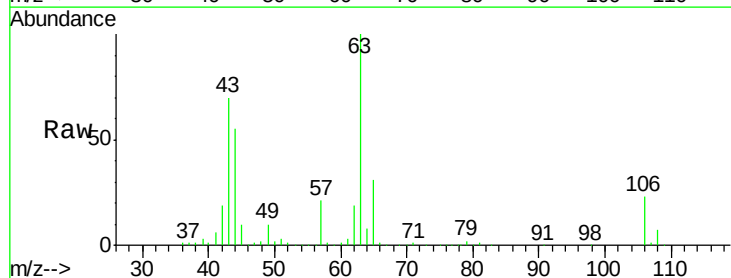
Acq: 26 Aug 2019 16:25

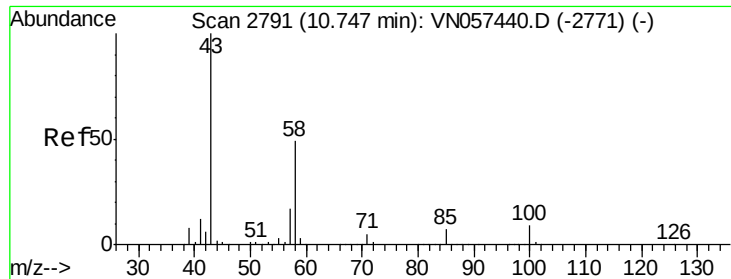
Tgt Ion: 63 Resp: 583974

Ion Ratio Lower Upper

63 100

106 22.6 18.6 27.8





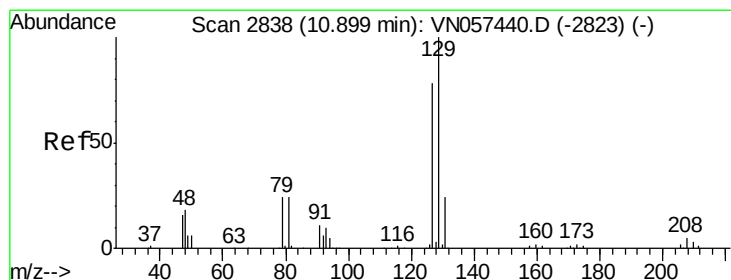
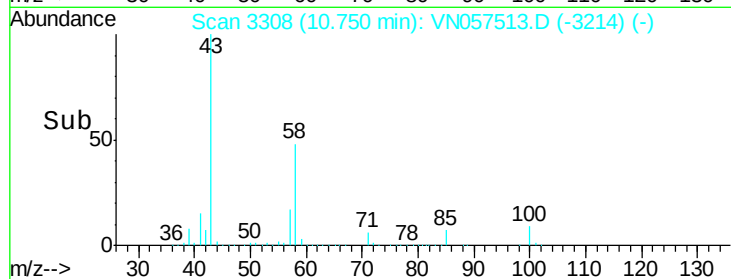
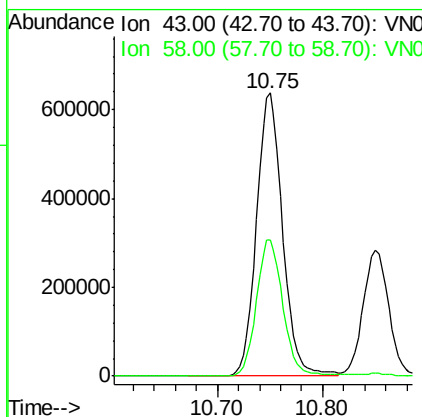
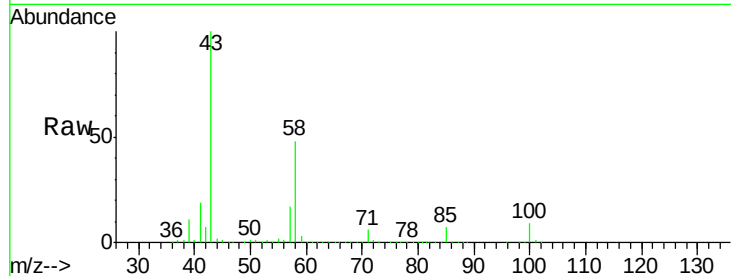
#59
2-Hexanone
Concen: 246.513 ug/l
RT: 10.75 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1099264
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.6

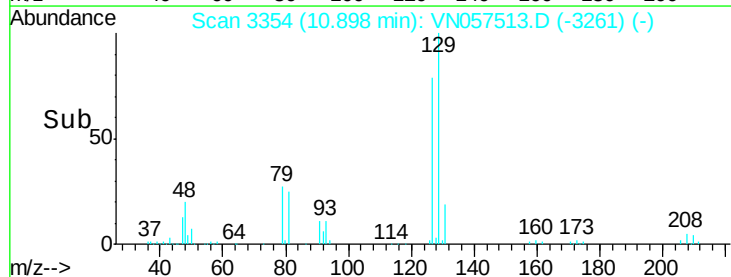
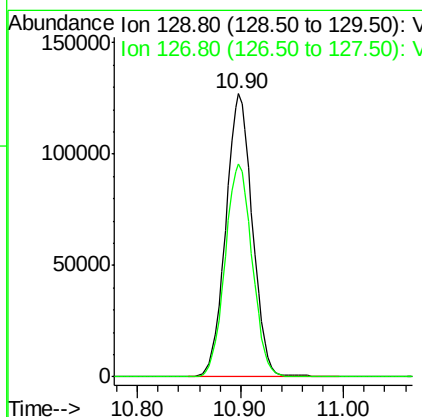
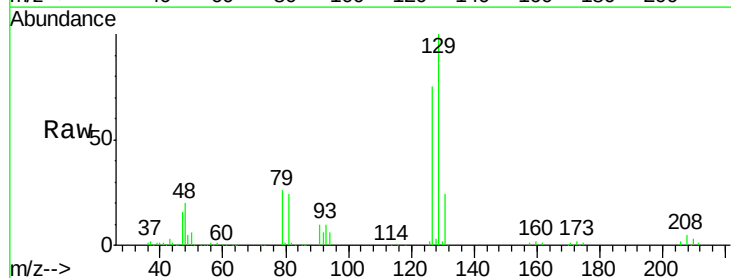
Manual Integrations
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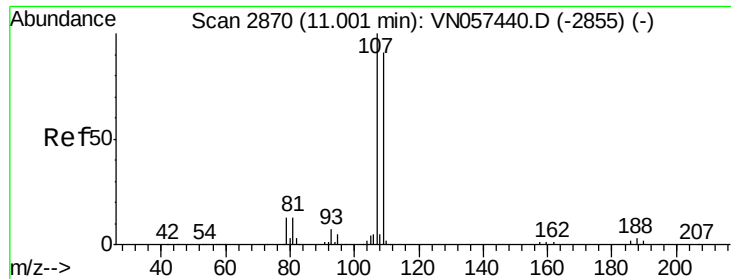
MMDadoda
8/27/2019 5:30:38 PM



#60
Dibromochloromethane
Concen: 48.055 ug/l
RT: 10.90 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion: 129 Resp: 228739
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 50.069 ug/l

RT: 11.00 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 221192

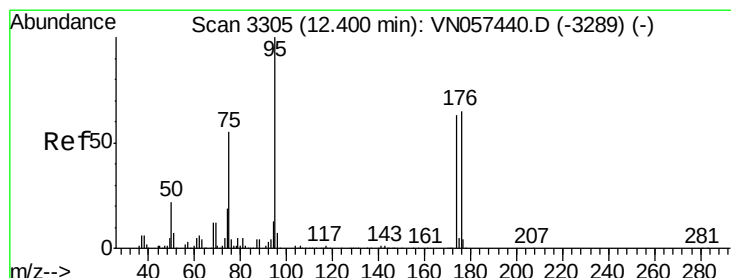
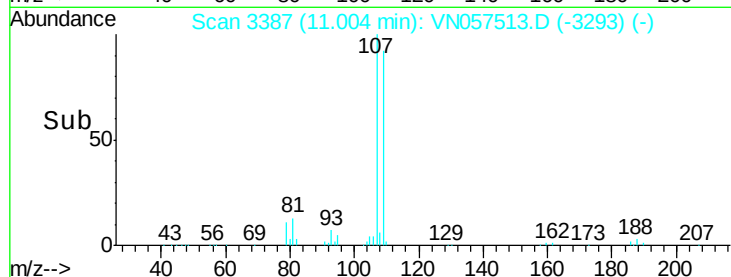
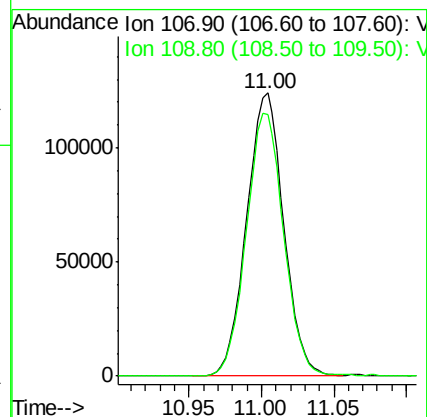
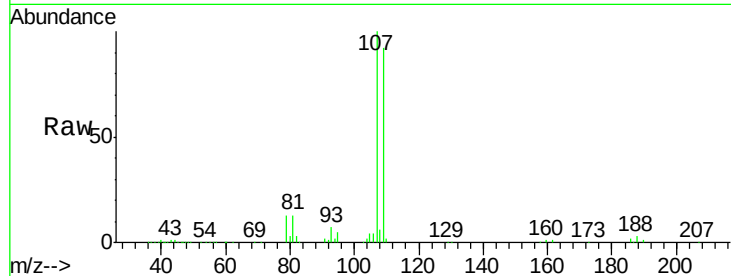
Ion Ratio Lower Upper

107 100

109 93.7 73.8 110.8

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 54.774 ug/l

RT: 12.40 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

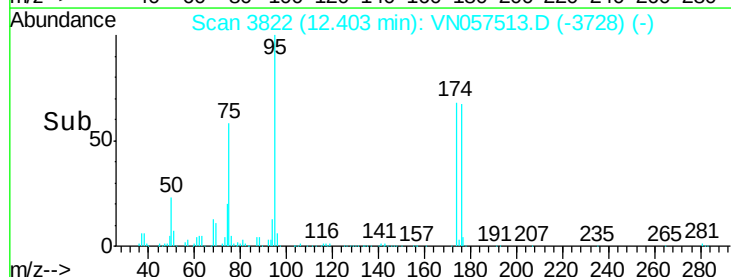
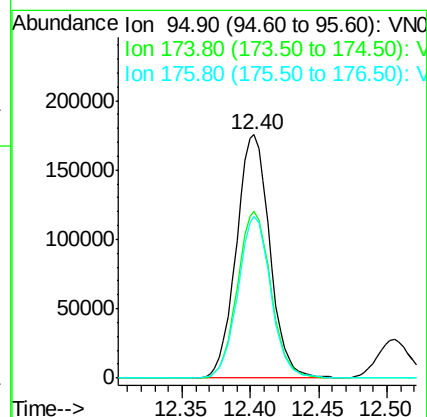
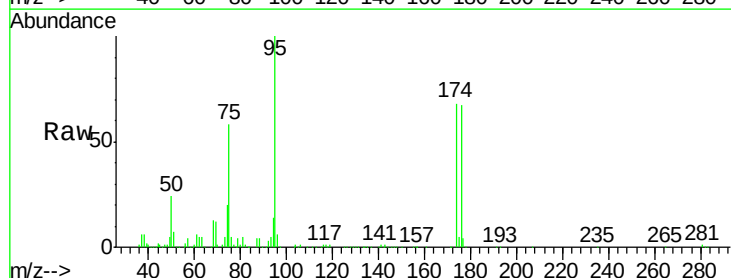
Tgt Ion: 95 Resp: 298726

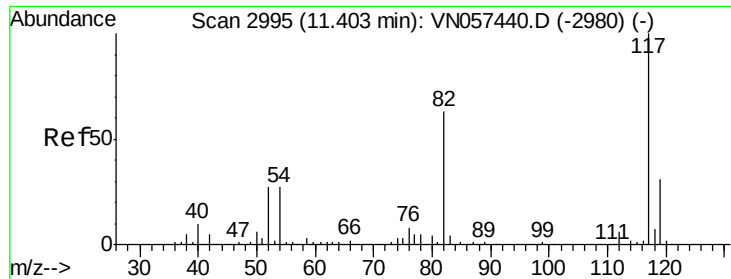
Ion Ratio Lower Upper

95 100

174 68.8 0.0 133.0

176 65.4 0.0 130.8





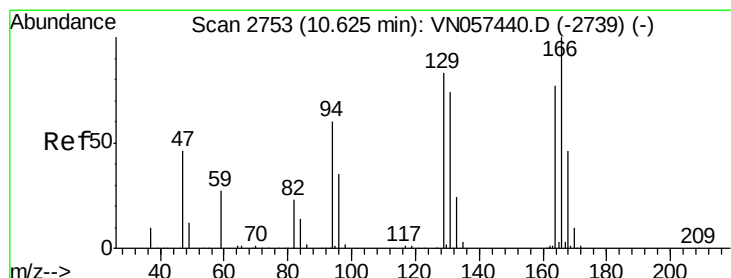
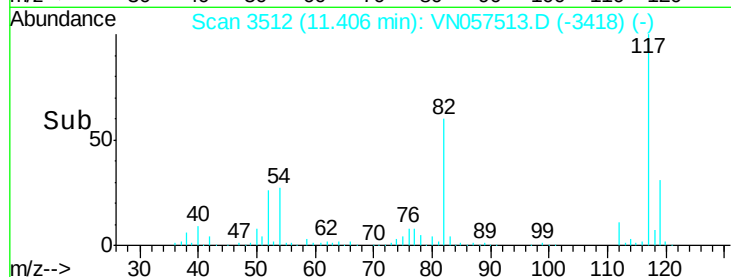
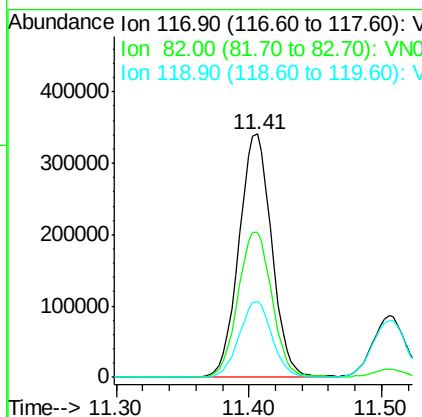
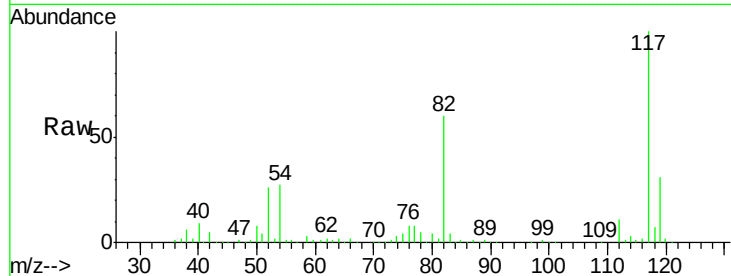
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	50.6	75.8
119	31.4	24.6	36.8

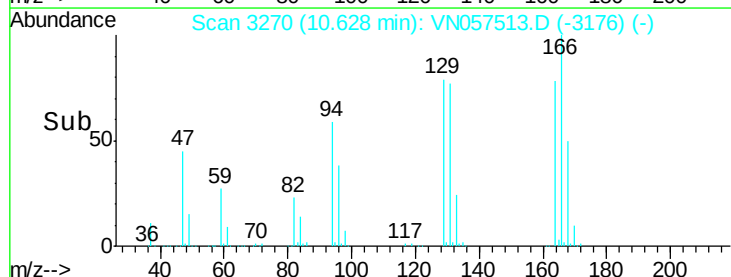
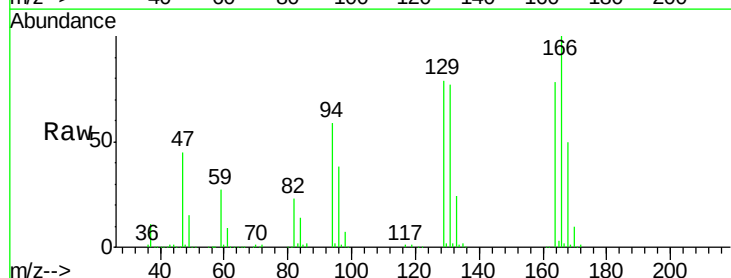
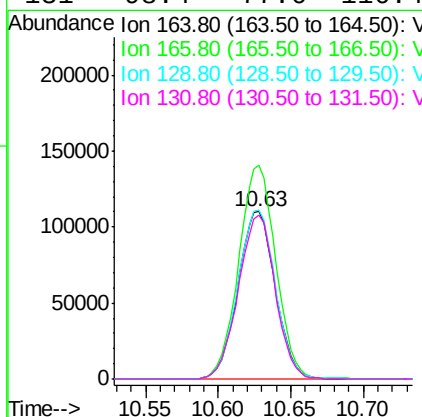
Manual Integrations
APPROVED

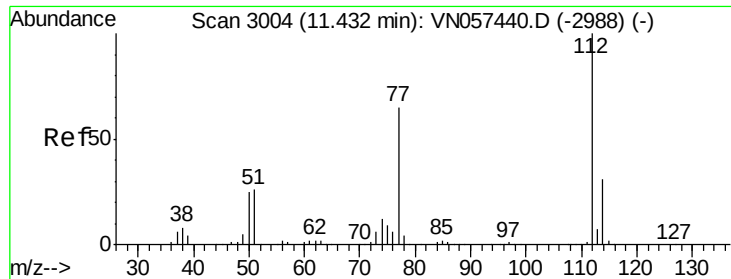
MMDadoda
8/27/2019 5:30:38 PM



#64
Tetrachloroethene
Concen: 48.131 ug/l
RT: 10.63 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.4	156.6
129	101.2	86.6	130.0
131	98.4	77.6	116.4





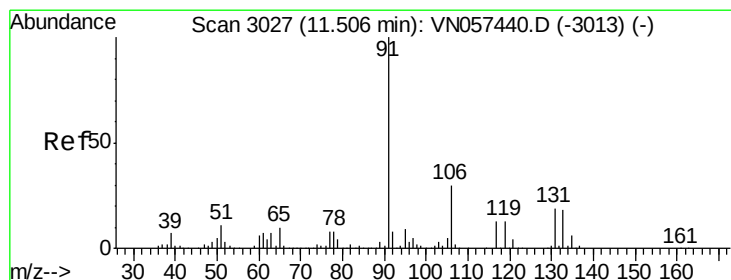
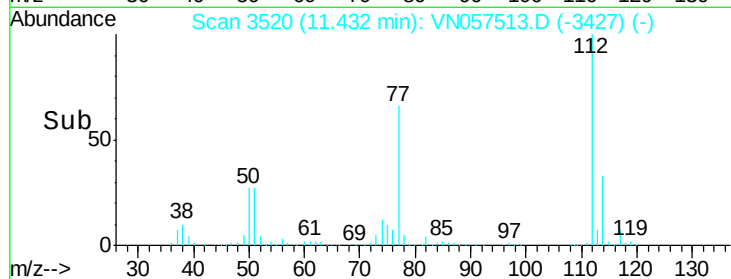
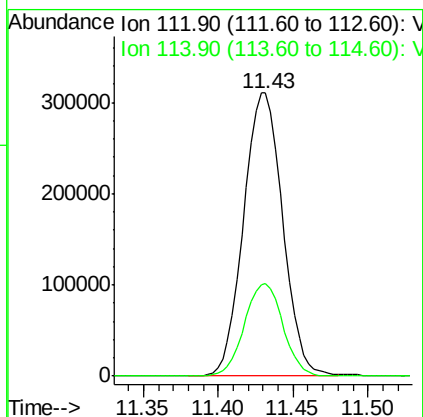
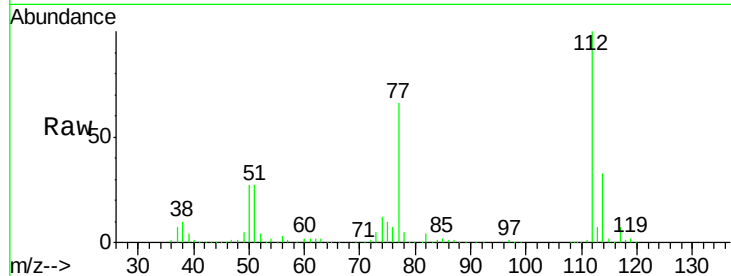
#65
Chlorobenzene
Concen: 47.879 ug/l
RT: 11.43 min Scan# 3520
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.8	37.2

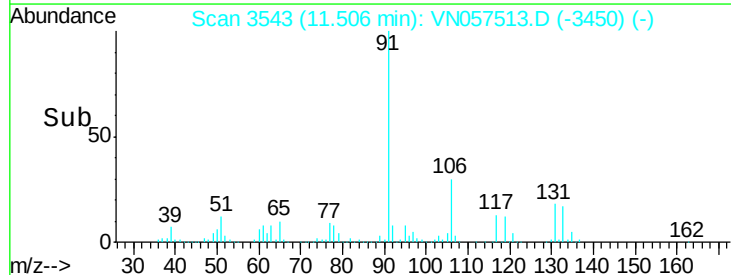
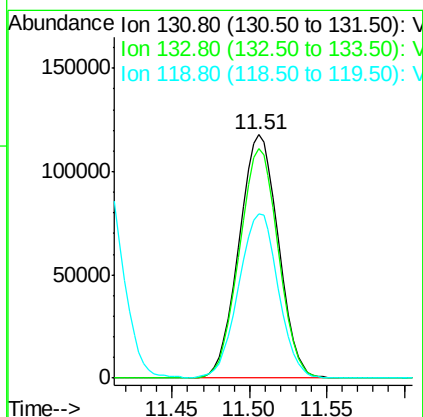
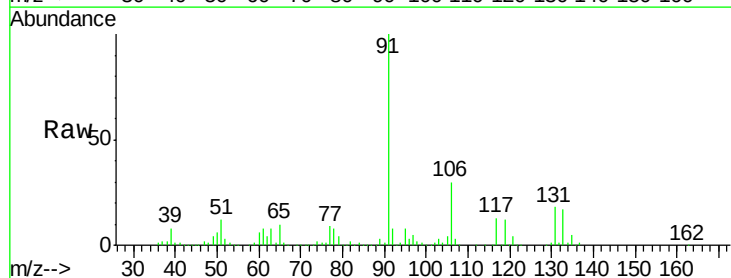
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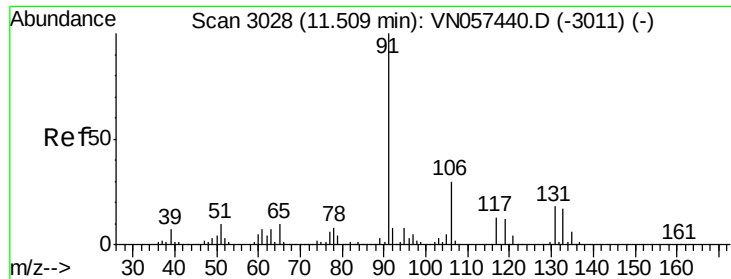
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.000 ug/l
RT: 11.51 min Scan# 3543
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.6	142.8
119	68.1	34.4	103.2





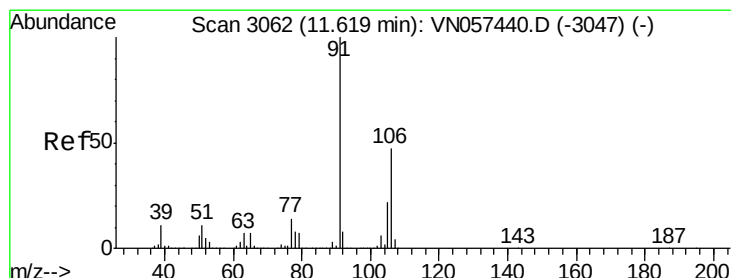
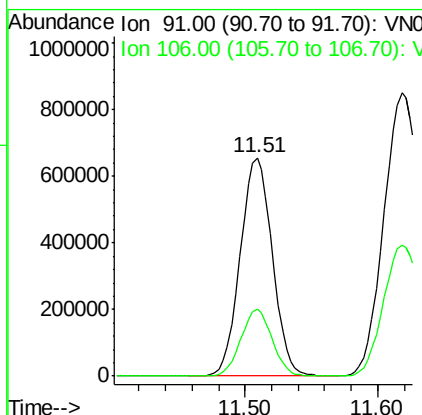
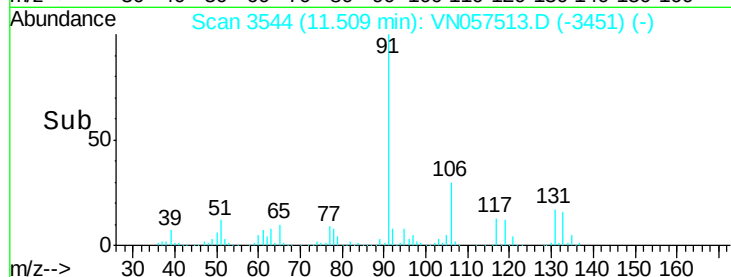
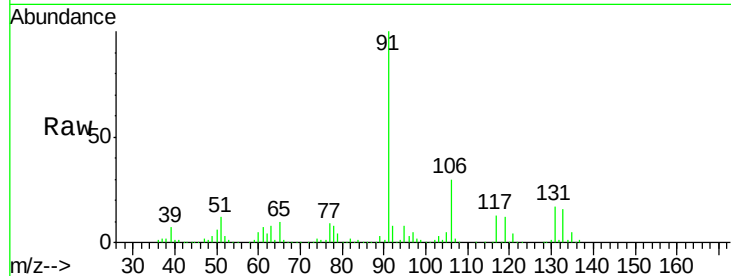
#67
Ethyl Benzene
Concen: 48.197 ug/l
RT: 11.51 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1102729
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

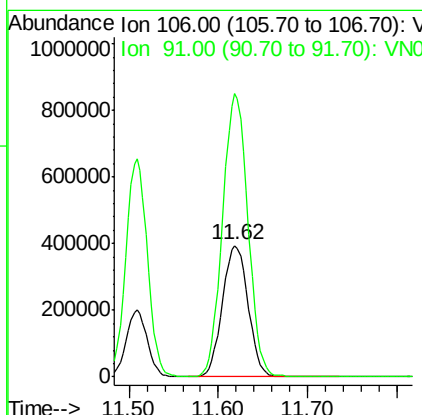
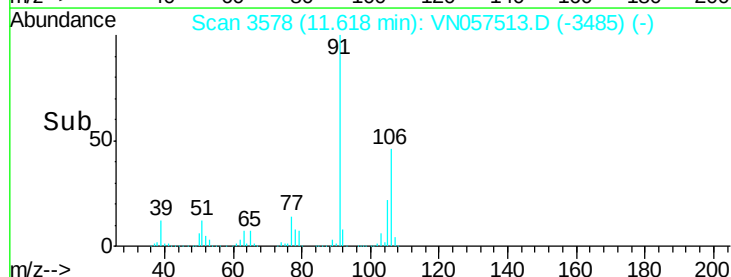
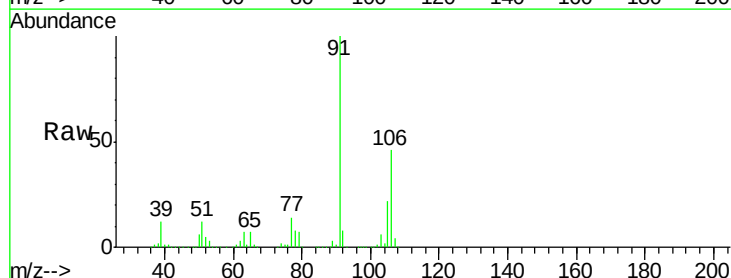
Manual Integrations
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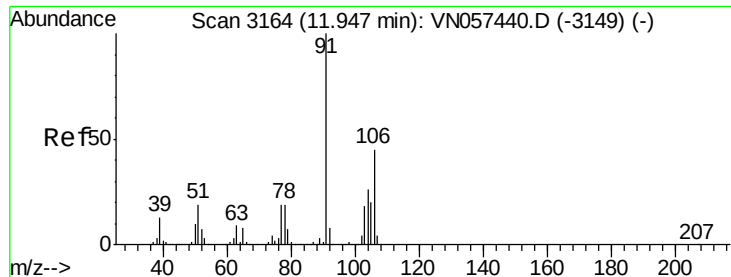
MMDadoda
8/27/2019 5:30:38 PM



#68
m/p-Xylenes
Concen: 101.106 ug/l
RT: 11.62 min Scan# 3578
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion: 106 Resp: 786688
Ion Ratio Lower Upper
106 100
91 212.6 171.8 257.6





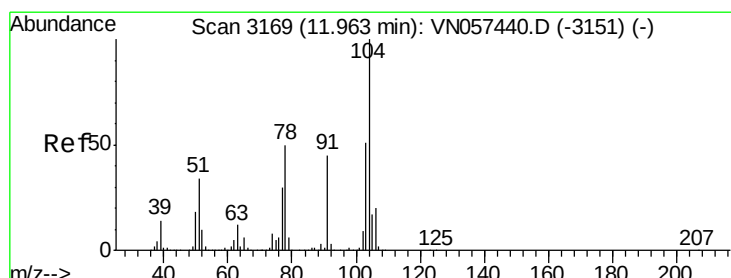
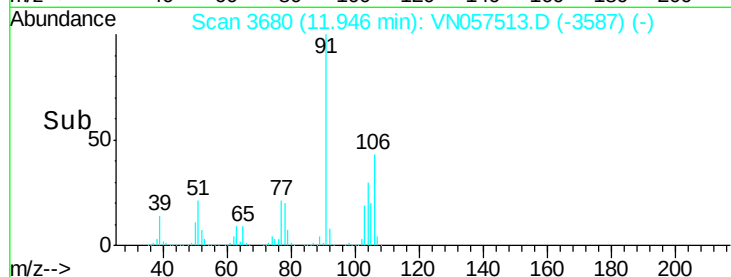
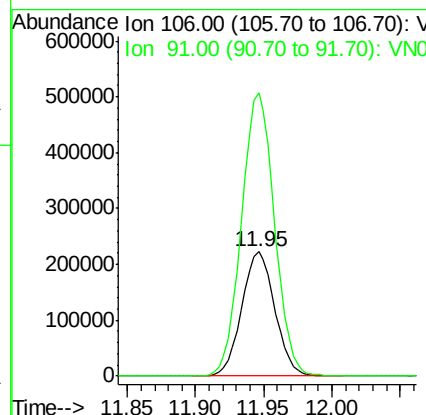
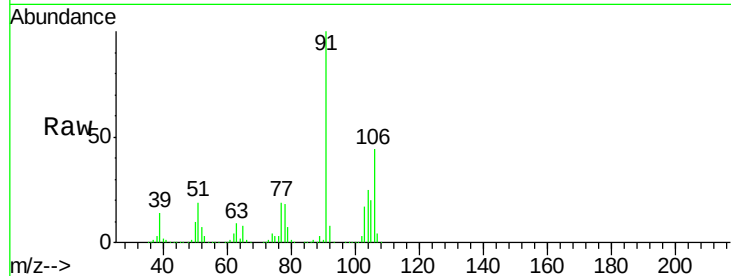
#69
o-Xylene
Concen: 48.758 ug/l
RT: 11.95 min Scan# 3680
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	375816		
91	91	226.9	112.3	336.9	

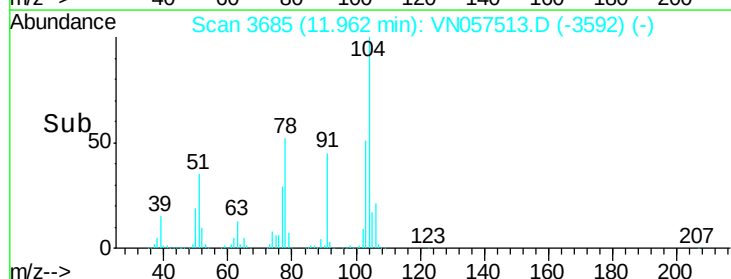
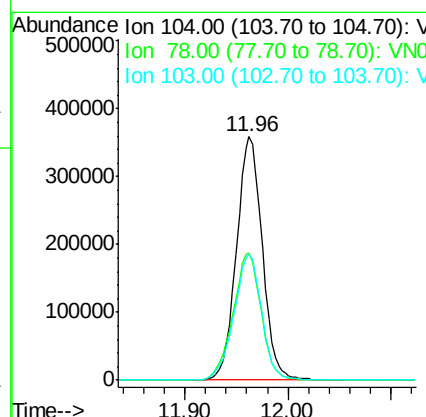
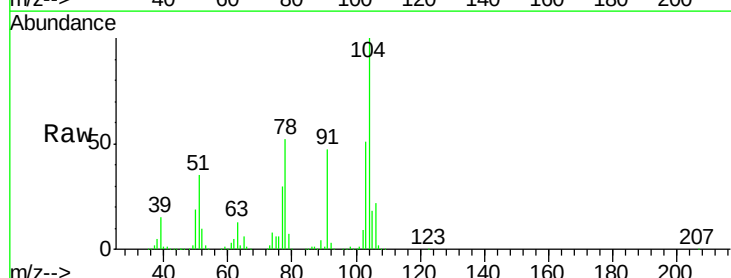
Manual Integrations
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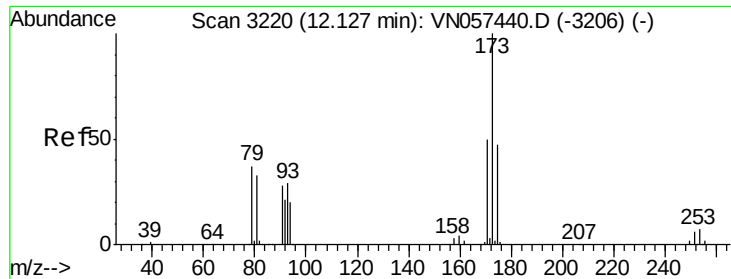
MMDadoda
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#70
Styrene
Concen: 51.353 ug/l
RT: 11.96 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	626758		
78	78	56.9	44.7	67.1	
103	103	55.4	44.4	66.6	





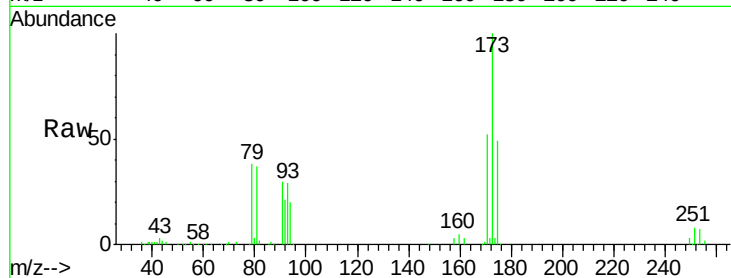
#71
Bromoform
Concen: 43.987 ug/l
RT: 12.13 min Scan# 3736
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

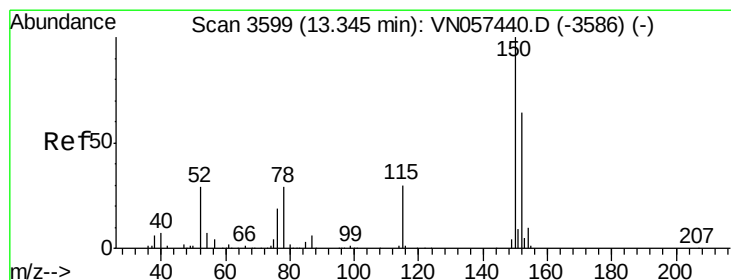
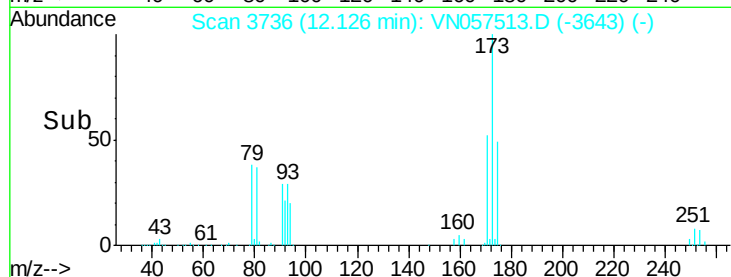
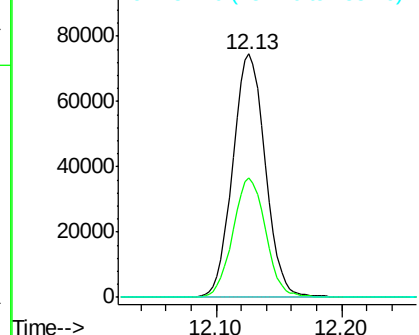
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.9	71.8
254	0.0	0.1	0.1

Manual Integrations
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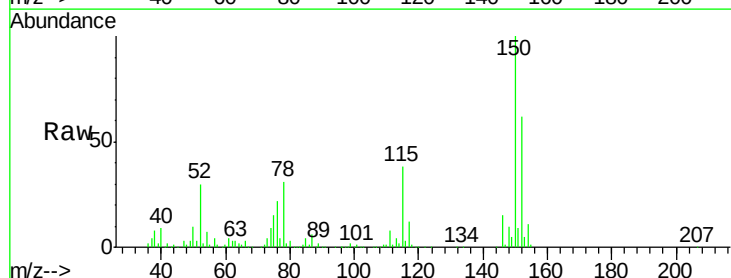


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

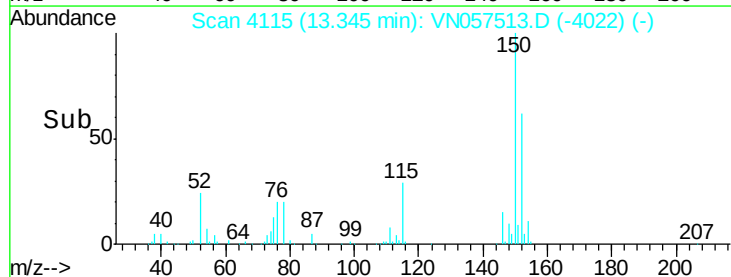
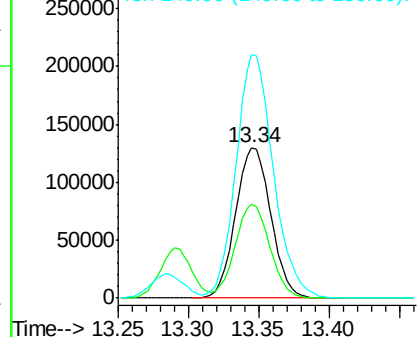


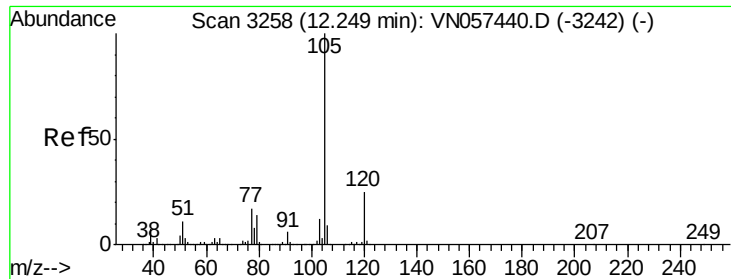
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	32.0	96.0
150	171.3	0.0	346.6



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





#73

Isopropylbenzene

Concen: 51.506 ug/l

RT: 12.25 min Scan# 3774

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1035507

Ion Ratio Lower Upper

105 100

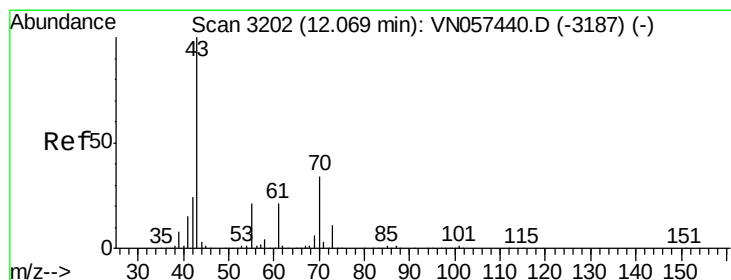
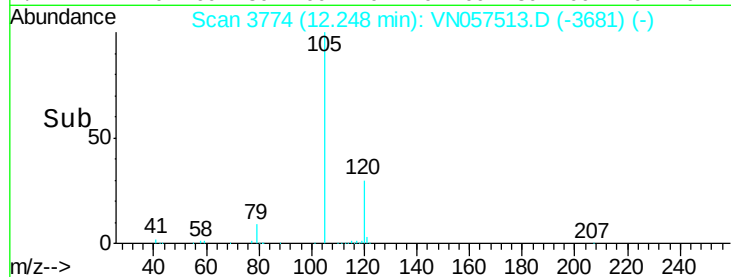
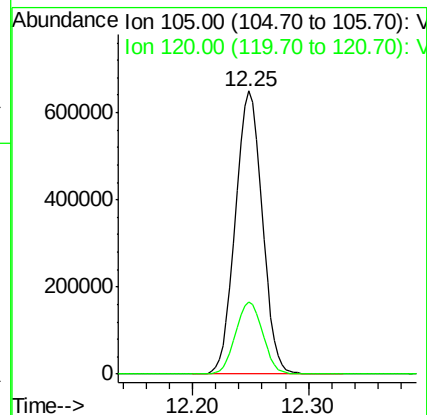
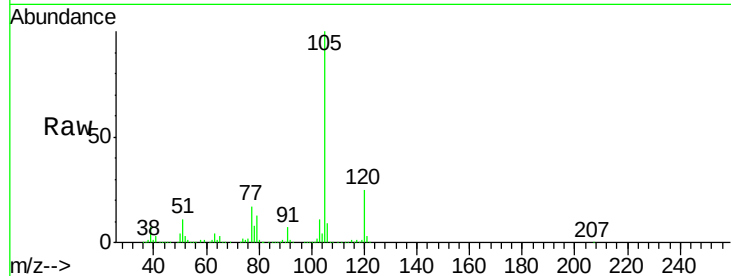
120 25.7 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.379 ug/l

RT: 12.07 min Scan# 3718

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion: 43 Resp: 460045

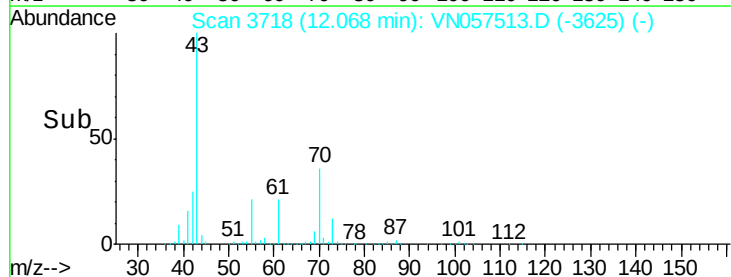
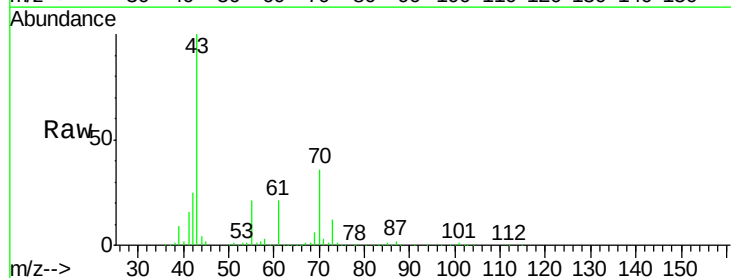
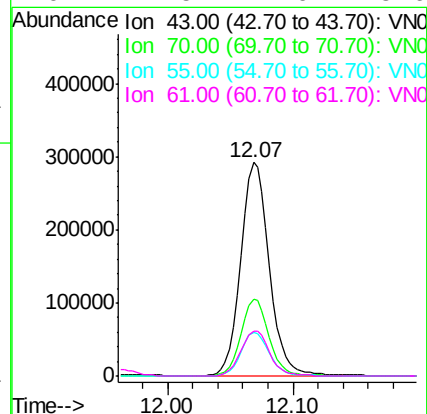
Ion Ratio Lower Upper

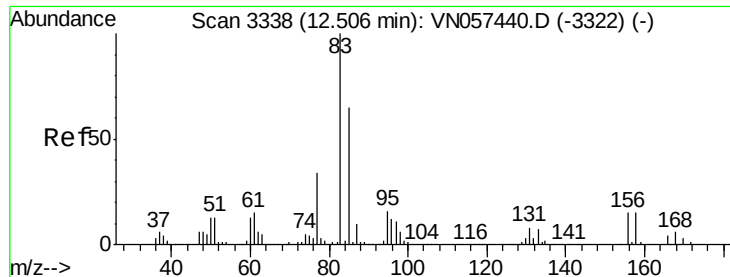
43 100

70 35.7 27.8 41.6

55 20.5 17.0 25.4

61 21.5 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.753 ug/l

RT: 12.51 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

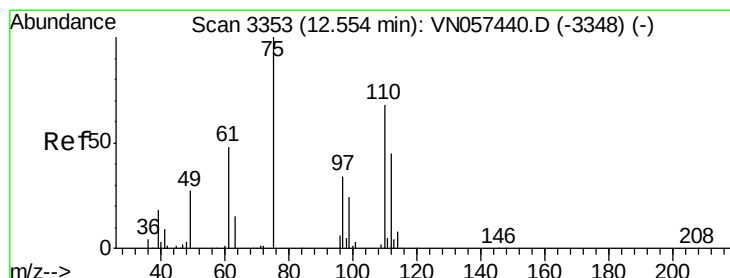
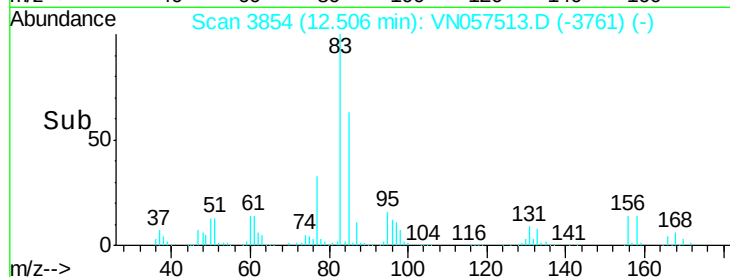
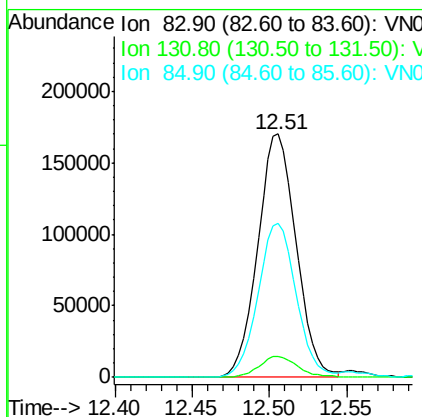
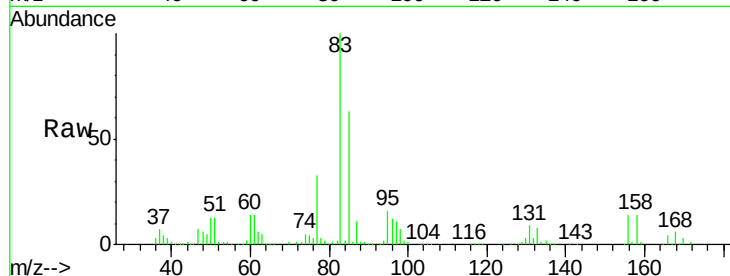
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	294150
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	13.1
85	62.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.055 ug/l m

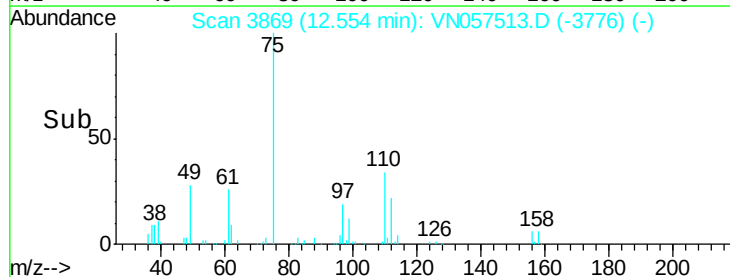
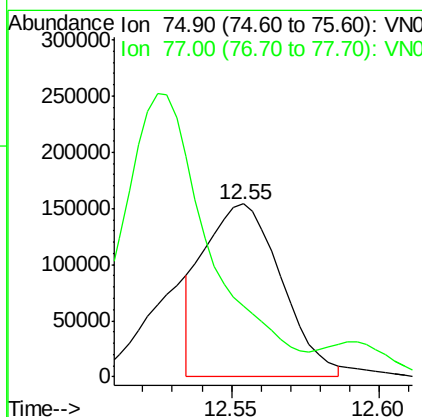
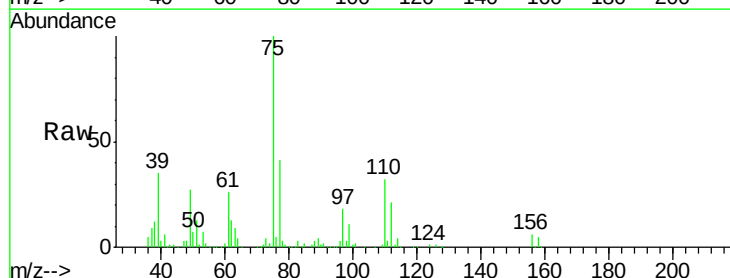
RT: 12.55 min Scan# 3869

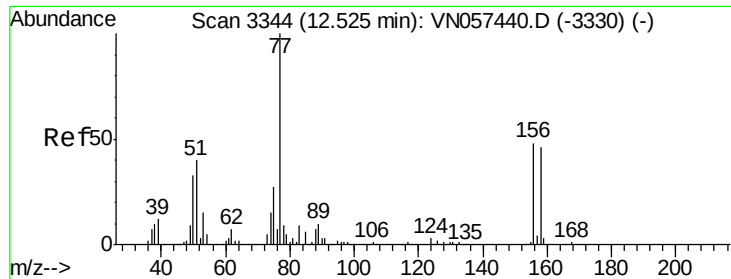
Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	75	Resp:	279479
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.444 ug/l

RT: 12.52 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 210059

Ion Ratio Lower Upper

156 100

77 249.4 124.4 373.3

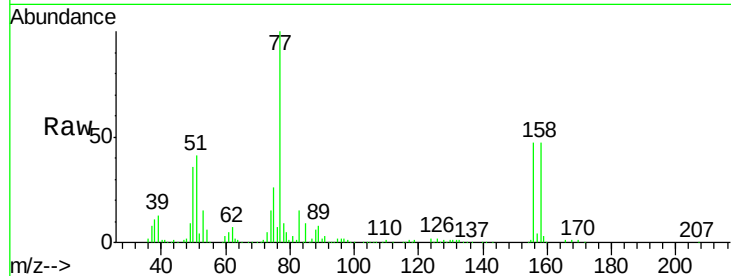
158 96.6 48.3 144.8

Manual Integrations

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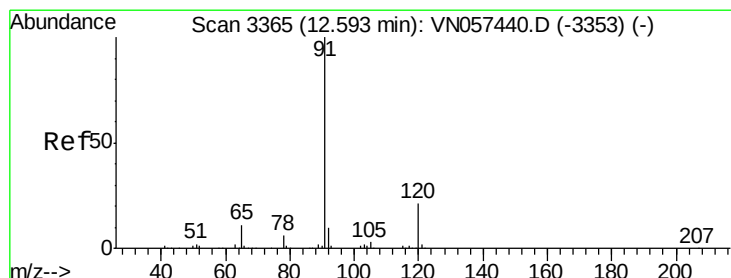
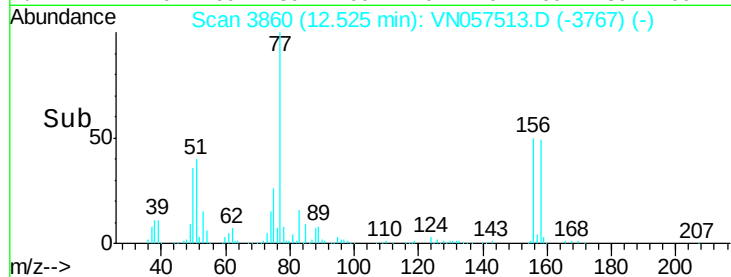
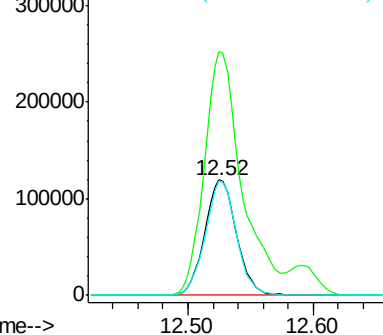
8/27/2019 5:30:38 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.008 ug/l

RT: 12.59 min Scan# 3881

Delta R.T. -0.00 min

Lab File: VN057513.D

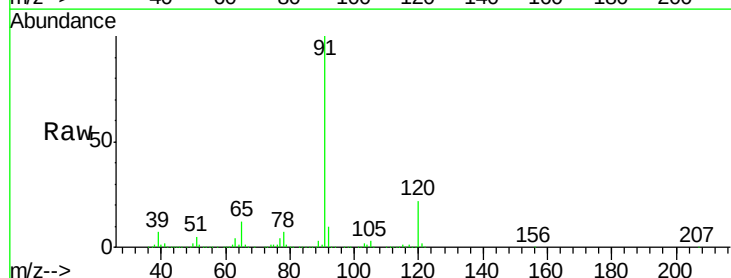
Acq: 26 Aug 2019 16:25

Tgt Ion: 91 Resp: 1199103

Ion Ratio Lower Upper

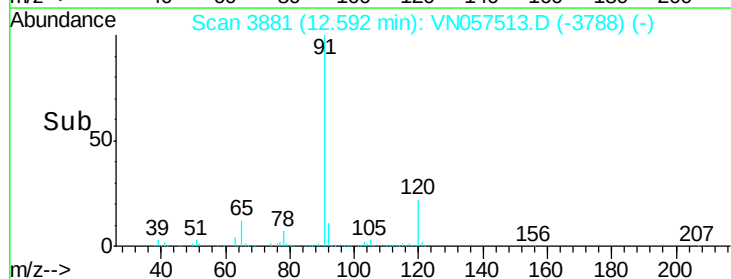
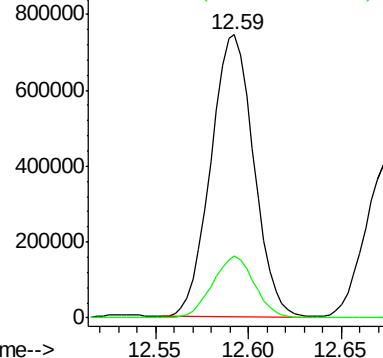
91 100

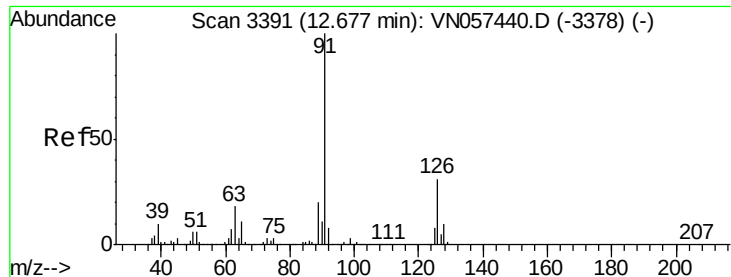
120 21.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.480 ug/l

RT: 12.68 min Scan# 3907

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 696202

Ion Ratio Lower Upper

91 100

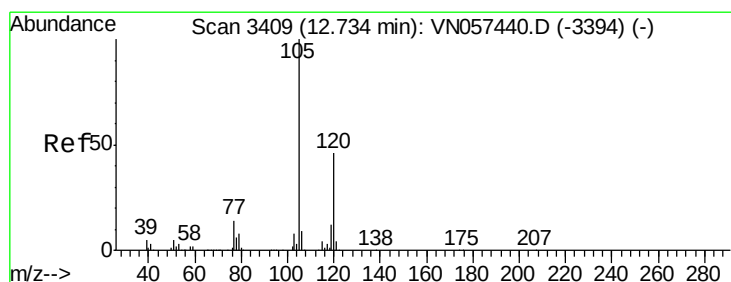
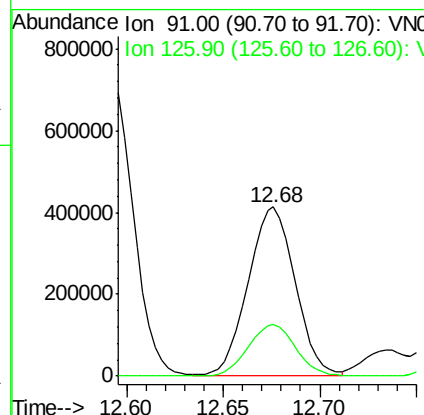
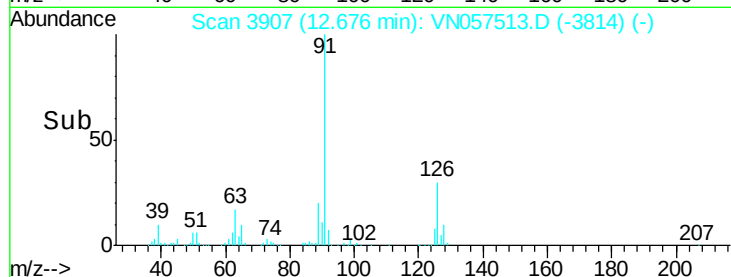
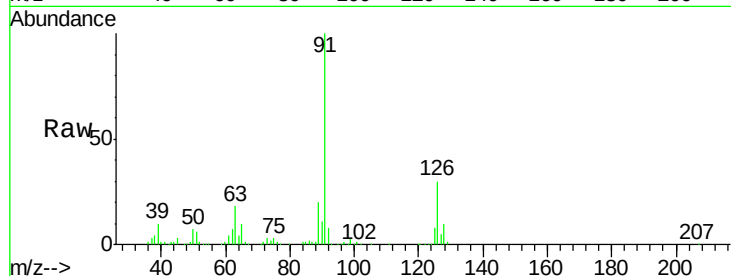
126 31.1 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.116 ug/l

RT: 12.73 min Scan# 3925

Delta R.T. -0.00 min

Lab File: VN057513.D

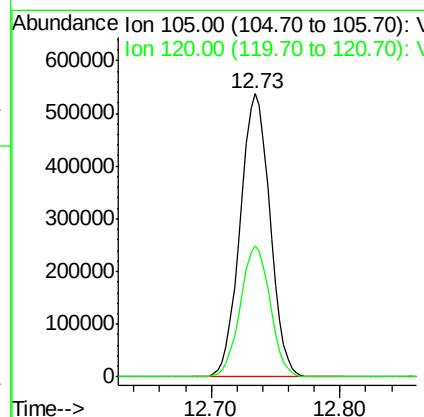
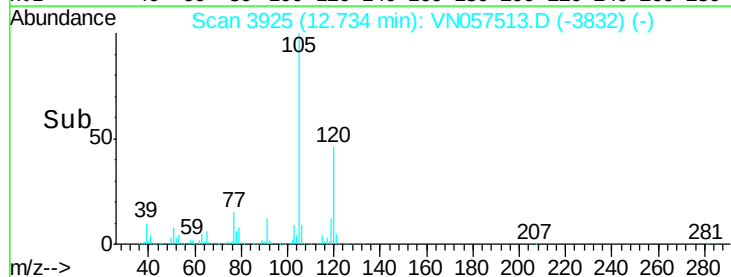
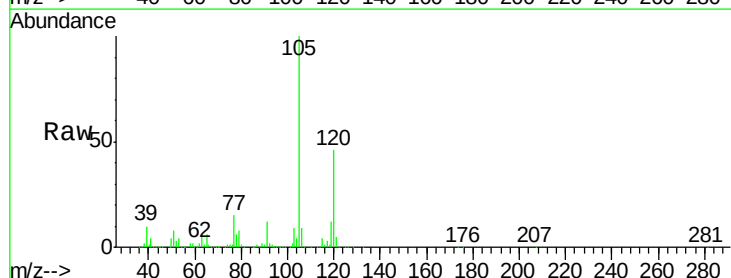
Acq: 26 Aug 2019 16:25

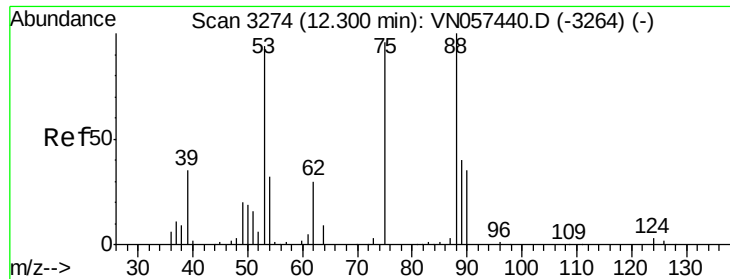
Tgt Ion: 105 Resp: 860543

Ion Ratio Lower Upper

105 100

120 46.5 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.851 ug/l

RT: 12.30 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

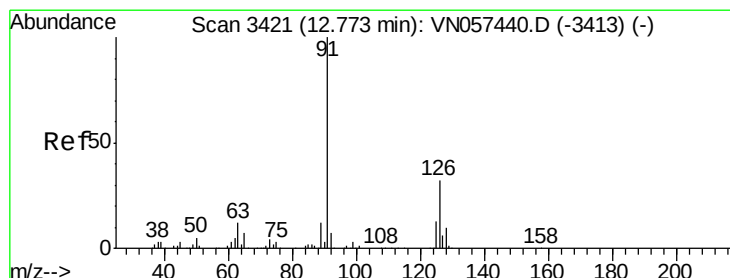
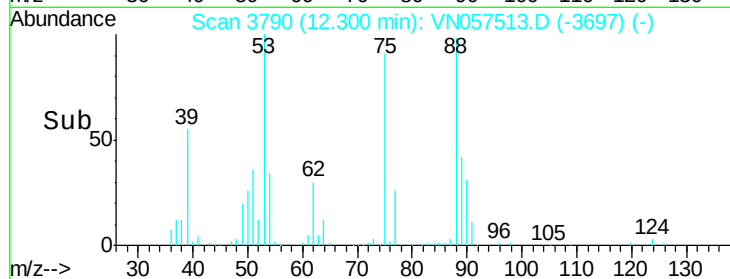
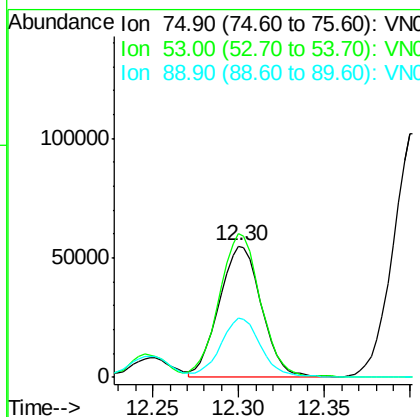
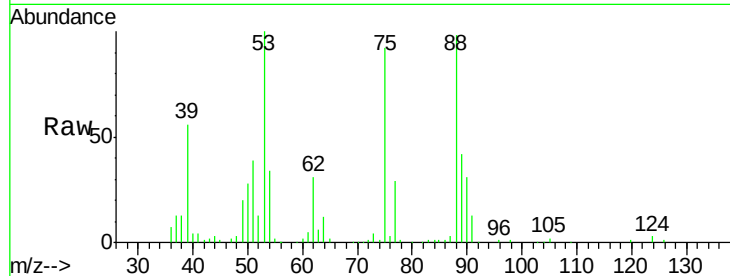
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	92463
Ion Ratio	Lower	Upper	
75	100		
53	109.8	82.7	124.1
89	44.2	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.065 ug/l

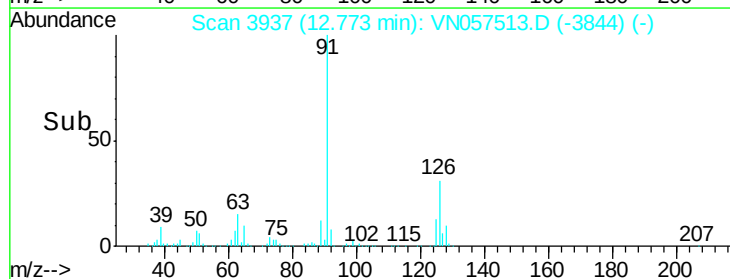
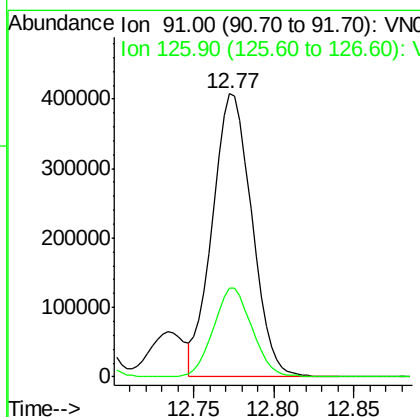
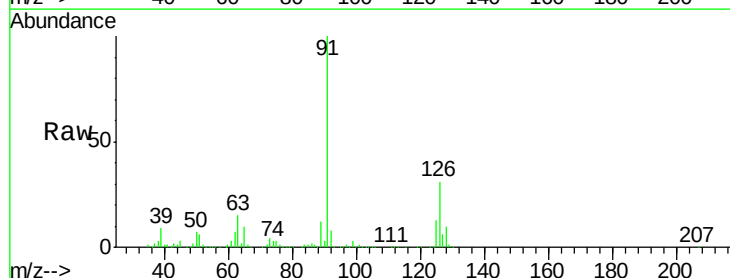
RT: 12.77 min Scan# 3937

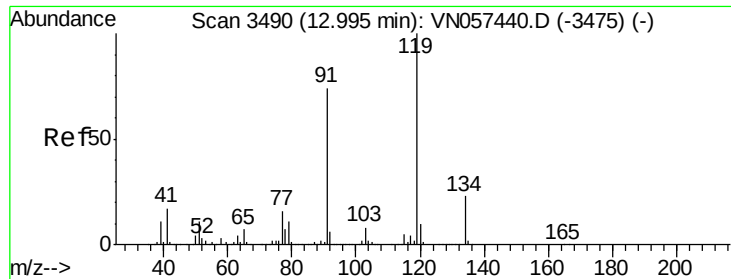
Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	91	Resp:	690196
Ion Ratio	Lower	Upper	
91	100		
126	30.9	15.0	45.0





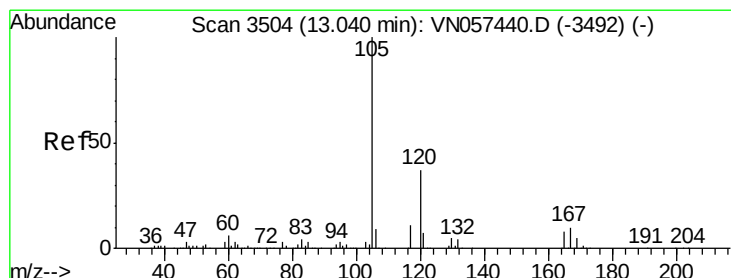
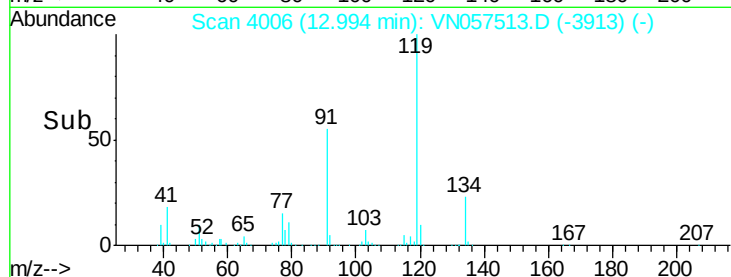
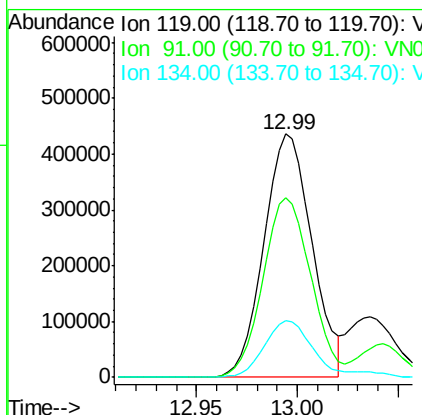
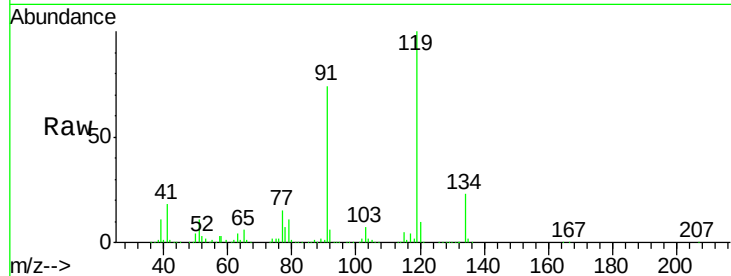
#83
 tert-Butylbenzene
 Concen: 52.398 ug/l
 RT: 12.99 min Scan# 4006
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.6	37.0	111.0
134	24.7	12.2	36.6

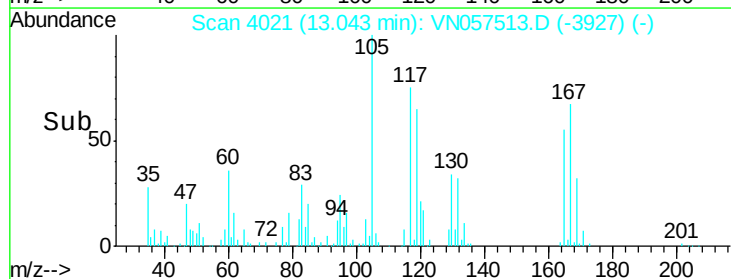
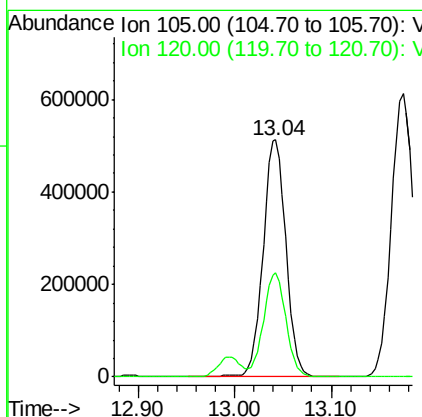
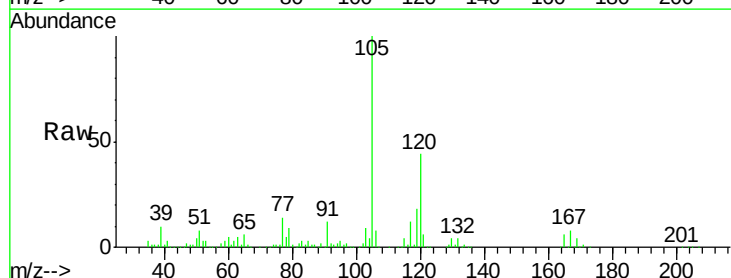
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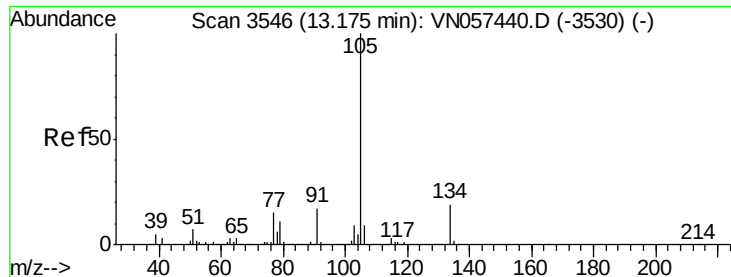
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.467 ug/l
 RT: 13.04 min Scan# 4021
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 52.814 ug/l

RT: 13.17 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 988249

Ion Ratio Lower Upper

105 100

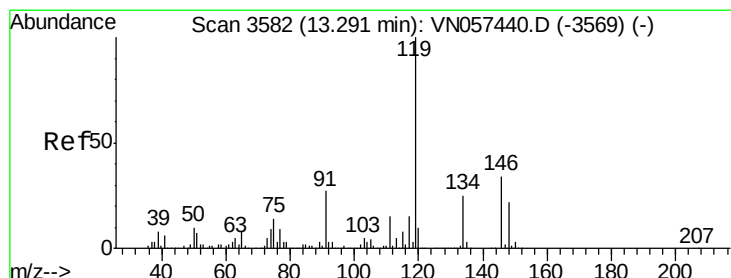
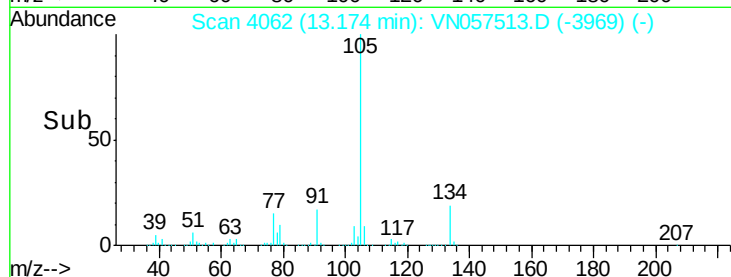
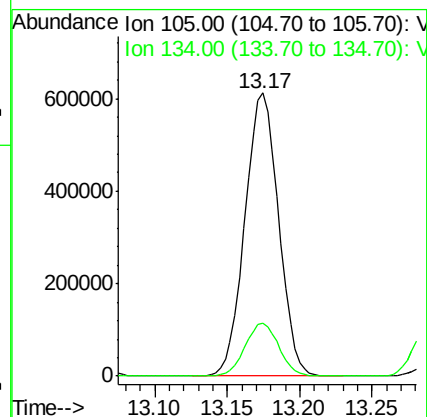
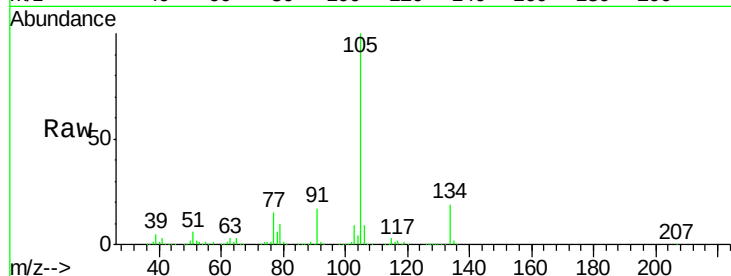
134 18.7 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.769 ug/l

RT: 13.29 min Scan# 4098

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

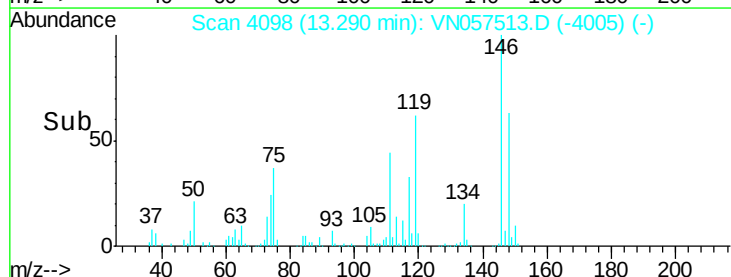
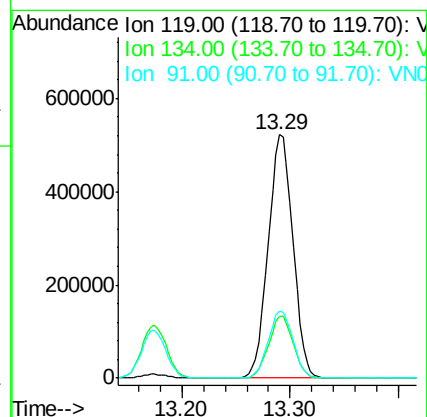
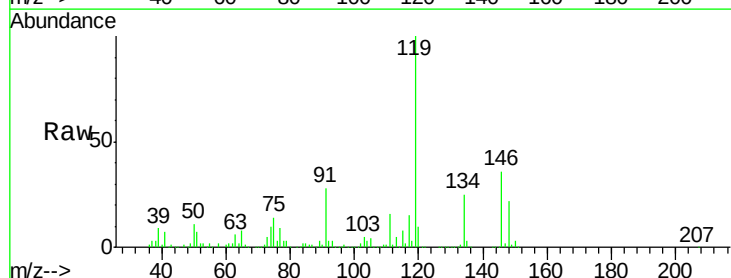
Tgt Ion:119 Resp: 830155

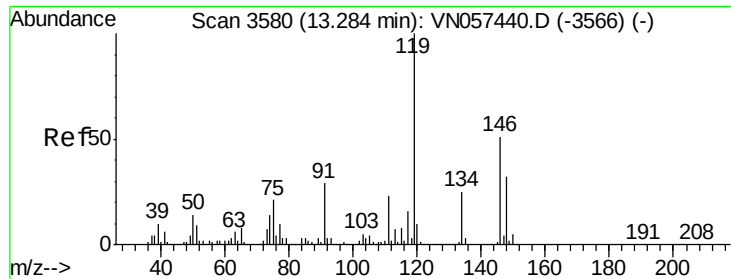
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 27.5 13.9 41.6





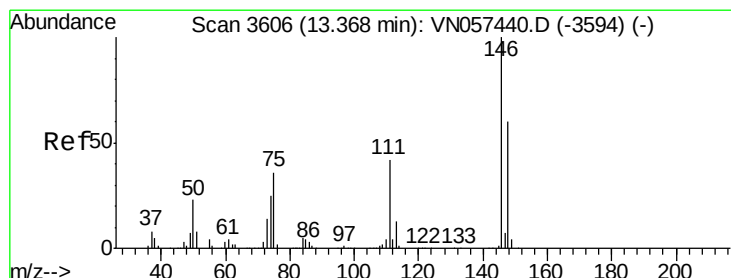
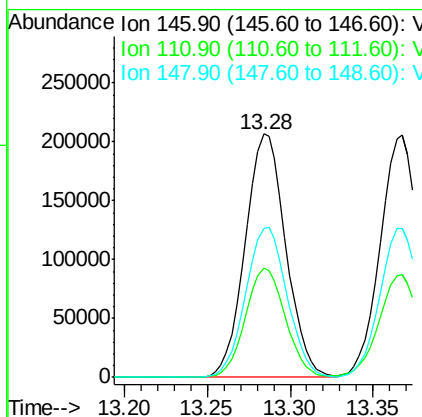
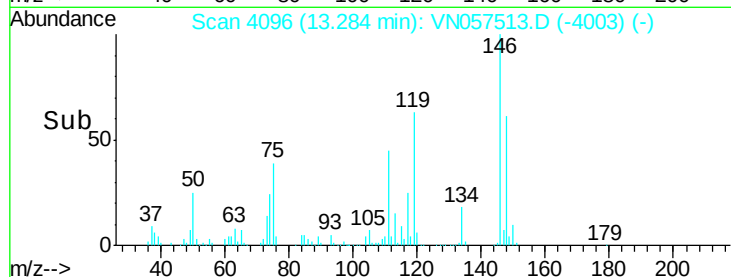
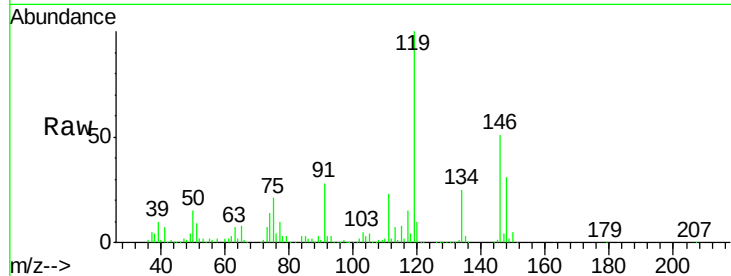
#87
 1,3-Dichlorobenzene
 Concen: 48.013 ug/l
 RT: 13.28 min Scan# 4096
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.3	22.1	66.1	
148	62.7	31.9	95.9	

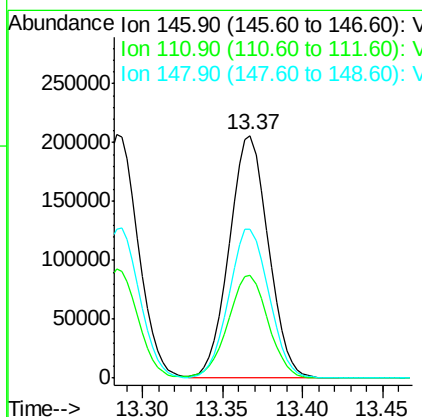
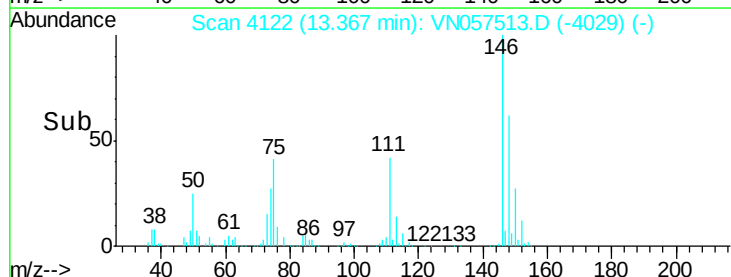
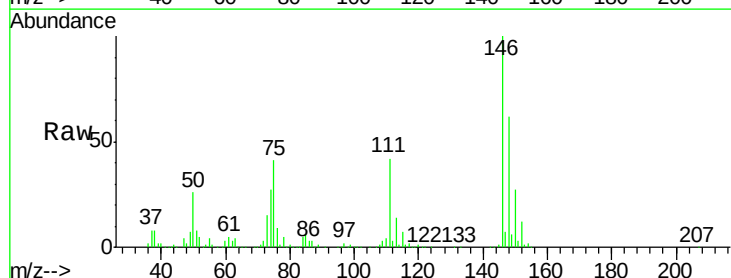
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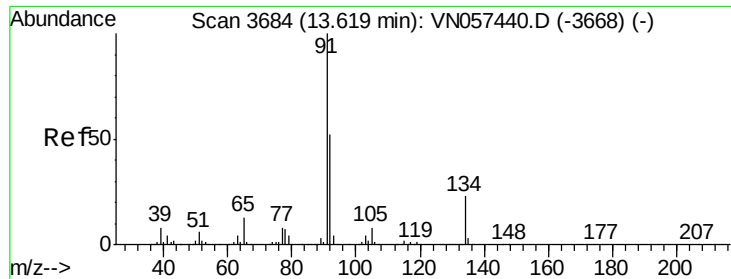
MMDadoda
 8/27/2019 5:30:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.675 ug/l
 RT: 13.37 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.2	21.9	65.5	
148	63.2	31.1	93.2	





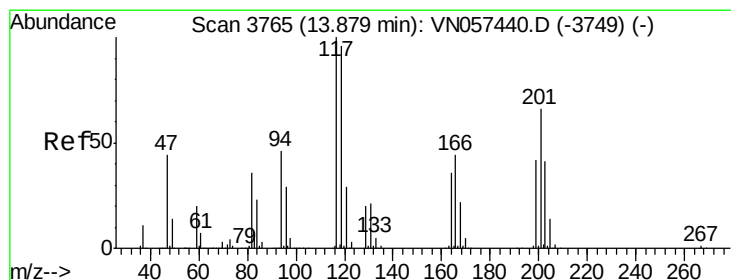
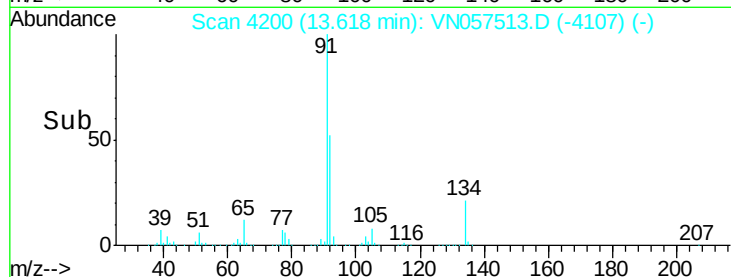
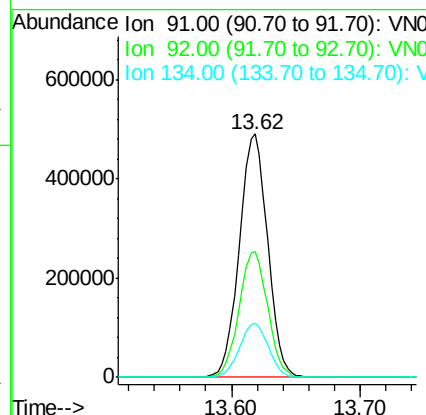
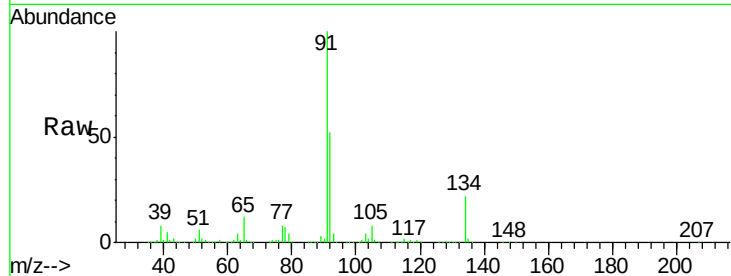
#89
n-Butylbenzene
Concen: 49.629 ug/l
RT: 13.62 min Scan# 4200
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.7	77.0
134	22.7	11.4	34.1

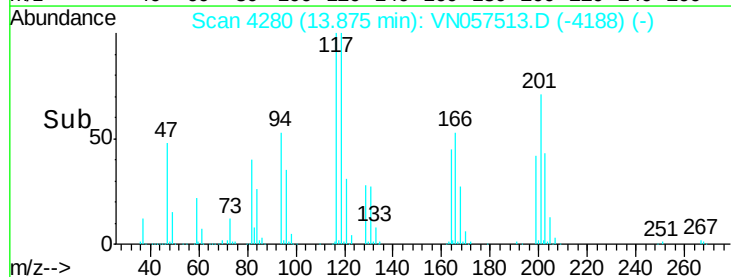
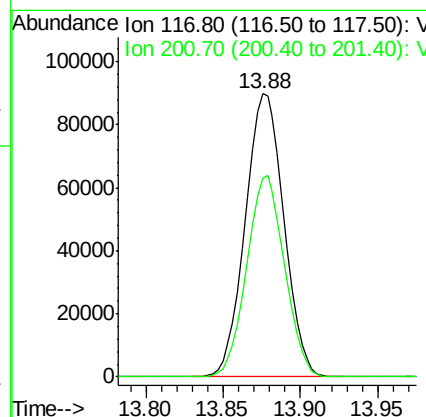
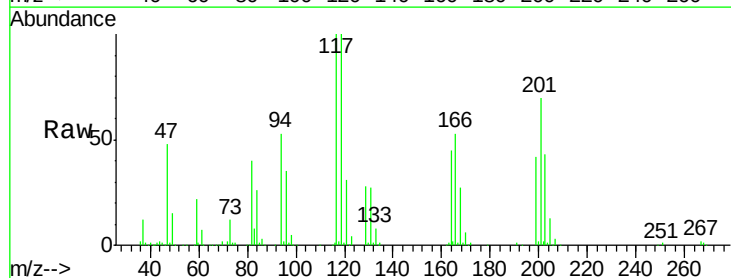
Manual Integrations
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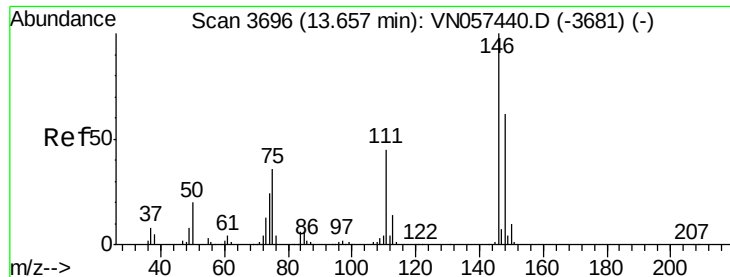
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#90
Hexachloroethane
Concen: 46.855 ug/l
RT: 13.88 min Scan# 4280
Delta R.T. -0.00 min
Lab File: VN057513.D
Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	33.1	99.3





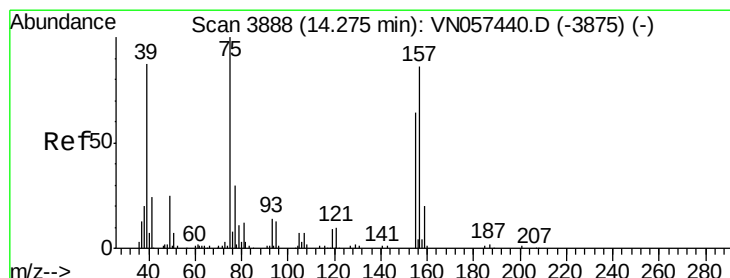
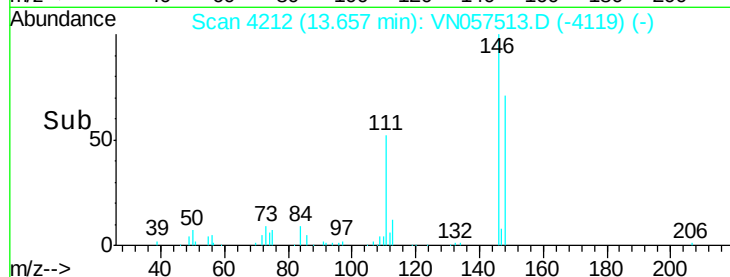
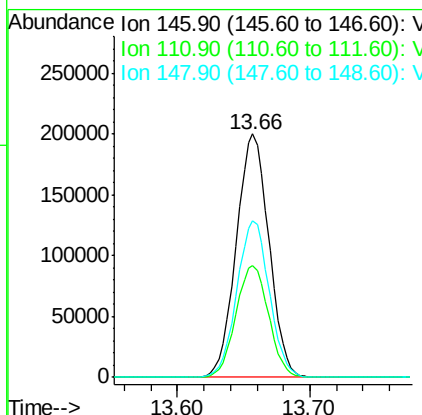
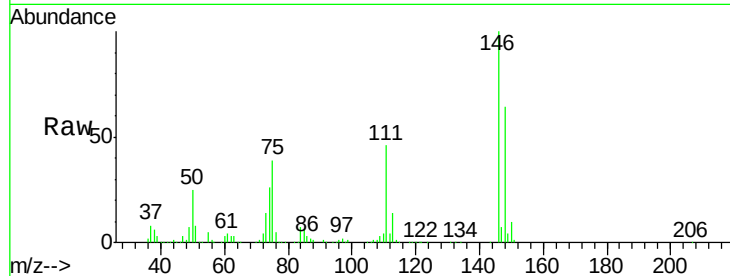
#91
 1,2-Dichlorobenzene
 Concen: 48.916 ug/l
 RT: 13.66 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.1	69.2
148	63.8	31.8	95.4

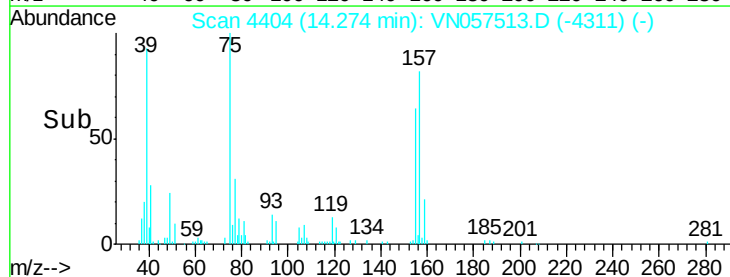
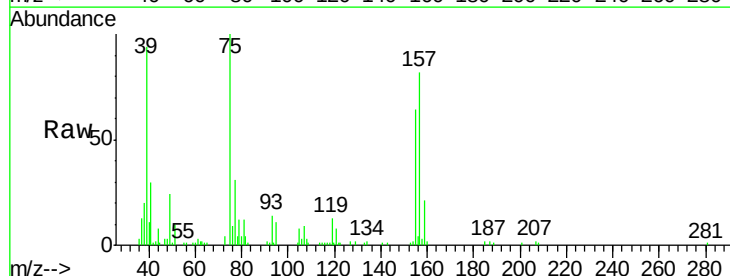
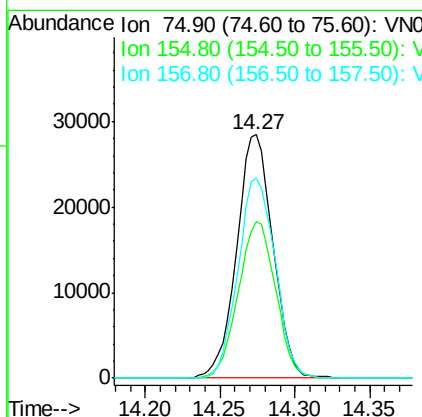
Manual Integrations
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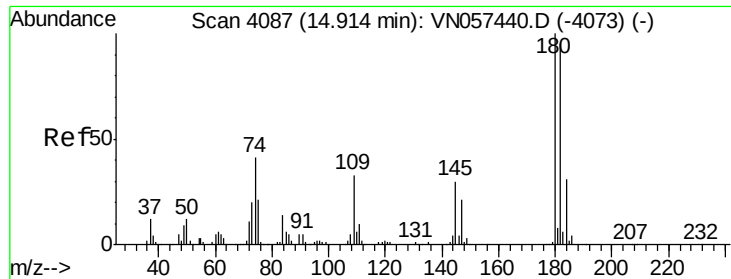
MMDadoda
 8/27/2019 5:30:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.220 ug/l
 RT: 14.27 min Scan# 4404
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	31.6	94.7
157	84.0	43.3	129.8





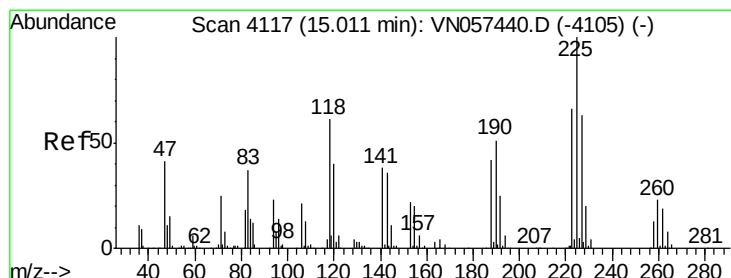
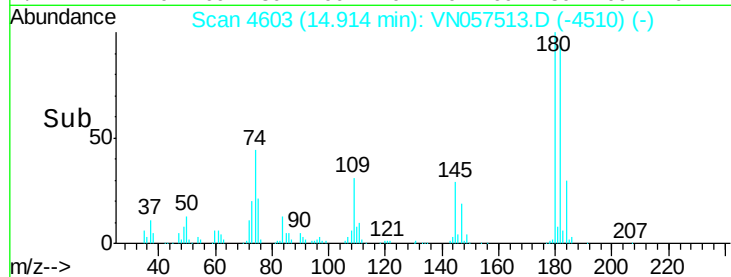
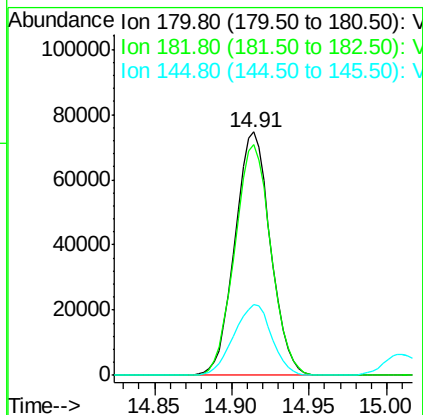
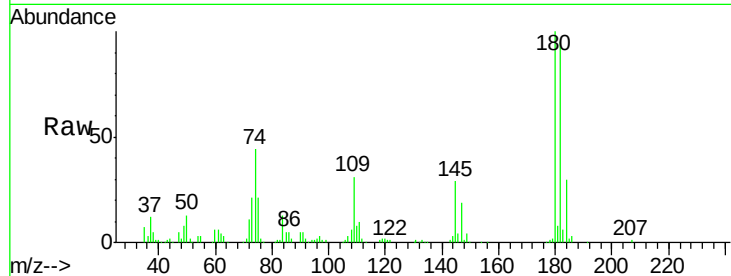
#93
 1,2,4-Trichlorobenzene
 Concen: 42.873 ug/l
 RT: 14.91 min Scan# 4603
 Delta R.T. -0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.7	140.1
145	31.1	15.6	46.8

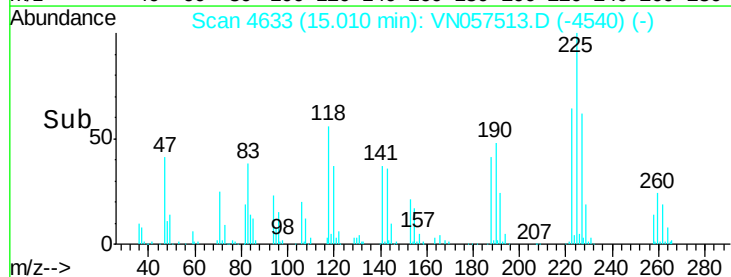
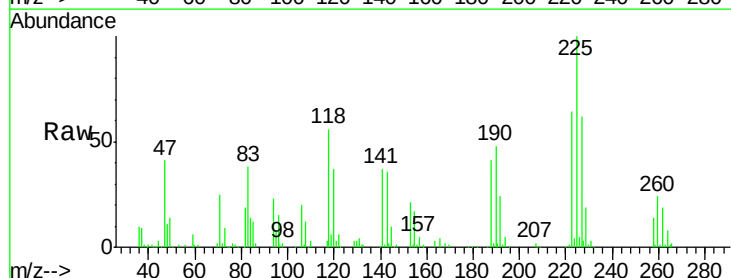
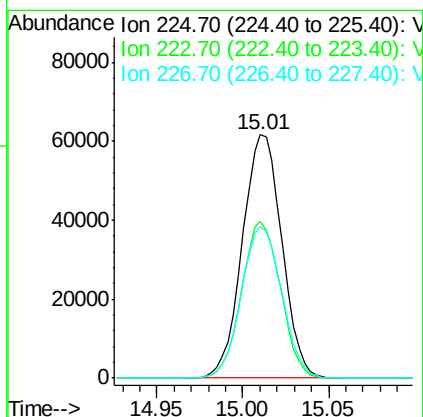
Manual Integrations
 APPROVED

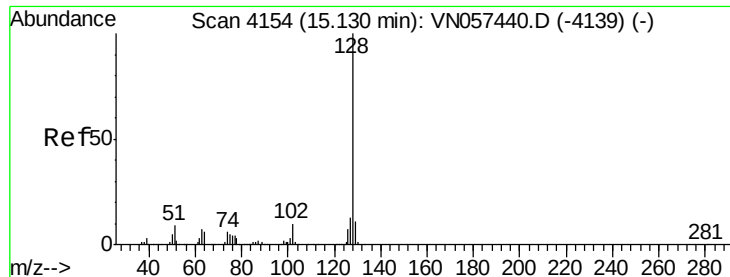
MMDadoda
 8/27/2019 5:30:38 PM



#94
 Hexachlorobutadiene
 Concen: 55.528 ug/l
 RT: 15.01 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VN057513.D
 Acq: 26 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.0	96.2
227	63.5	31.5	94.5





#95

Naphthalene

Concen: 41.881 ug/l

RT: 15.13 min Scan# 4670

Delta R.T. 0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Instrument :

MSVOA_N

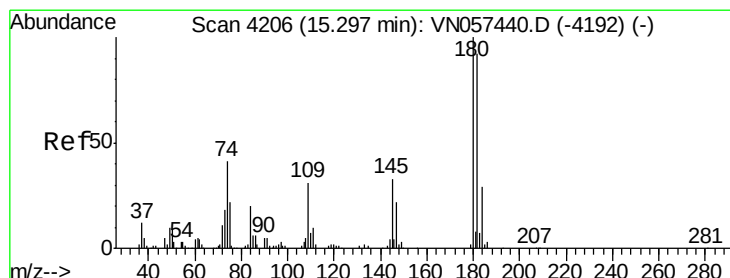
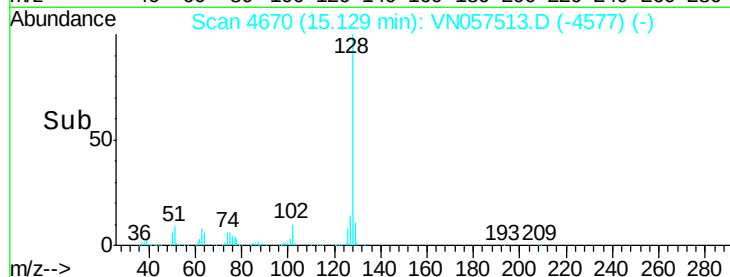
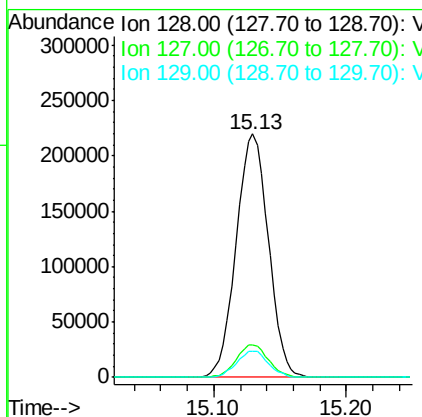
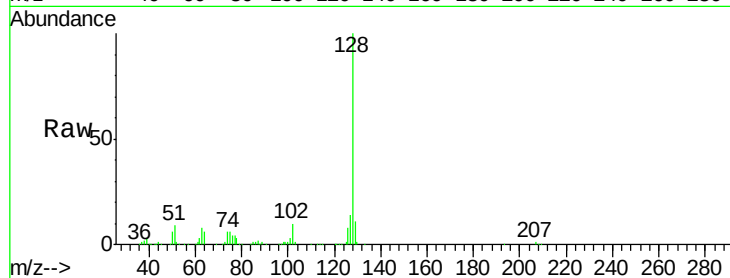
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	371379
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.823 ug/l

RT: 15.30 min Scan# 4722

Delta R.T. -0.00 min

Lab File: VN057513.D

Acq: 26 Aug 2019 16:25

Tgt Ion:	180	Resp:	118910
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.7	140.1
145	33.8	16.8	50.3

