

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058564.D
 Acq On : 7 Oct 2019 14:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:30 AM

Quant Time: Oct 08 14:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73616	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424491	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	381481	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193117	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.41	95	191995	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	10.08	98	538737	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	88850	20.070	ug/l 100
3) Chloromethane	2.04	50	116888	22.867	ug/l 100
4) Vinyl Chloride	2.17	62	109314	21.432	ug/l 98
5) Bromomethane	2.55	94	56523	20.409	ug/l 98
6) Chloroethane	2.68	64	66797	22.160	ug/l 97
7) Trichlorofluoromethane	3.00	101	129662	21.590	ug/l 99
8) Diethyl Ether	3.39	74	53283	19.958	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82296	19.907	ug/l 99
10) 1,1-Dichloroethene	3.72	96	78356	19.389	ug/l 99
11) Methyl Iodide	3.93	142	71682	17.300	ug/l 98
12) Methyl Acetate	4.30	43	111679	20.748	ug/l 99
13) Acrolein	3.59	56	33072	216.079	ug/l 97
14) Acrylonitrile	4.96	53	222246	100.000	ug/l 99
15) Acetone	3.80	58	61851	100.370	ug/l 96
16) Carbon Disulfide	4.03	76	223365	19.889	ug/l 99
17) Allyl chloride	4.30	41	158736	21.028	ug/l 96
18) Methylene Chloride	4.53	84	98536	20.669	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	88347	19.500	ug/l 93
20) Diisopropyl ether	5.93	45	328624	20.431	ug/l 99
21) 1,1-Dichloroethane	5.83	63	181022	20.112	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	105338	20.016	ug/l 99
23) tert-Butyl Alcohol	4.76	59	82313	100.328	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	299557	20.650	ug/l 98
25) Chloroform	7.36	83	183249	20.106	ug/l 99
26) Cyclohexane	7.64	56	156705	18.627	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	133717	19.298	ug/l 98
30) 2-Butanone	6.82	43	300699	95.575	ug/l 100
31) 2,2-Dichloropropane	6.80	77	159720	22.390	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	158313	21.183	ug/l 99
33) Carbon Tetrachloride	7.76	117	134657	21.207	ug/l 96
34) Benzene	8.03	78	393524	20.020	ug/l 98
35) Methacrylonitrile	7.17	41	63207m	23.357	ug/l
36) 1,2-Dichloroethane	8.11	62	151622	19.691	ug/l 99
37) Trichloroethene	8.82	130	100361	20.395	ug/l 97
38) Methylcyclohexane	9.07	83	153455	18.315	ug/l 98
39) 1,2-Dichloropropane	9.11	63	108744	20.282	ug/l 99
40) Dibromomethane	9.20	93	67733	20.016	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	138122	20.650	ug/l	98
42) Vinyl Acetate	5.88	43	1339269	111.487	ug/l	100
43) Ethyl Acetate	6.91	43	134152	21.475	ug/l	99
44) Isopropyl Acetate	8.15	43	222608	19.907	ug/l #	82
45) 1,4-Dioxane	9.19	88	33964	360.023	ug/l	94
46) Methyl methacrylate	9.19	41	100113	18.890	ug/l	98
47) n-amyl Acetate	12.07	43	189621	19.481	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	152375	20.849	ug/l	94
49) cis-1,3-Dichloropropene	9.83	75	166139	20.417	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	97286	20.571	ug/l	98
51) Ethyl methacrylate	10.43	69	142284	19.015	ug/l	97
52) 1,3-Dichloropropane	10.71	76	170285	20.274	ug/l	99
53) Dibromochloromethane	10.90	129	96504	20.312	ug/l	98
54) 1,2-Dibromoethane	11.01	107	95906	19.872	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	361959	114.242	ug/l	99
56) Bromoform	12.13	173	61594	20.553	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	639784	107.034	ug/l	100
59) 2-Hexanone	10.75	43	456234	100.963	ug/l	100
61) Tetrachloroethene	10.63	164	84962	21.259	ug/l	97
62) Toluene	10.15	91	419656	20.086	ug/l	99
64) Chlorobenzene	11.44	112	258429	20.128	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93858	20.853	ug/l	99
66) Ethyl Benzene	11.51	91	474098	20.810	ug/l	99
67) m/p-Xylenes	11.62	106	343212	39.240	ug/l	100
68) o-Xylene	11.95	106	166960	19.631	ug/l	96
69) Styrene	11.97	104	268267	18.863	ug/l	99
70) Isopropylbenzene	12.26	105	453897	20.595	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	138914	19.831	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	129249m	21.455	ug/l	
73) Bromobenzene	12.53	156	105124	19.692	ug/l	97
74) n-propylbenzene	12.60	91	528584	20.804	ug/l	100
75) 2-Chlorotoluene	12.68	91	317967	20.006	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	378914	19.967	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	37962	19.318	ug/l	89
78) 4-Chlorotoluene	12.78	91	320559	19.679	ug/l	99
79) tert-butylbenzene	13.00	119	318272	19.371	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	380281	20.076	ug/l	99
81) sec-Butylbenzene	13.18	105	431737	20.034	ug/l	99
82) p-Isopropyltoluene	13.30	119	385462	19.862	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	190217	19.313	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	185599	18.934	ug/l	99
85) n-Butylbenzene	13.62	91	339910	18.852	ug/l	99
86) Hexachloroethane	13.88	117	63736	20.333	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	186584	19.401	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26752	19.568	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	107338	17.084	ug/l	96
90) Hexachlorobutadiene	15.02	225	51315	16.879	ug/l	96
91) Naphthalene	15.13	128	320283	18.562	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	105961	17.559	ug/l	98

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VSTDCCC020EC

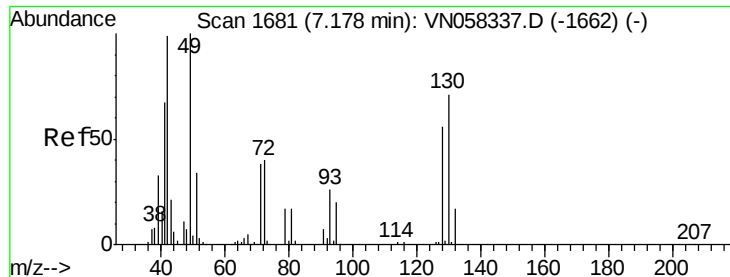
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

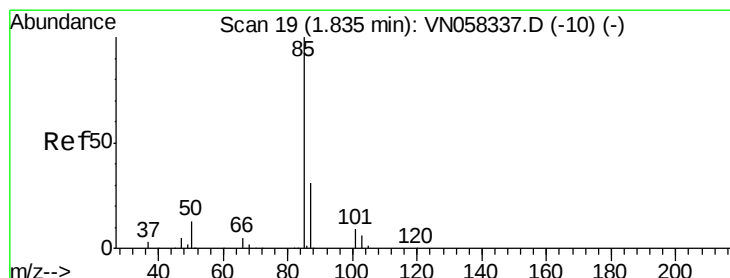
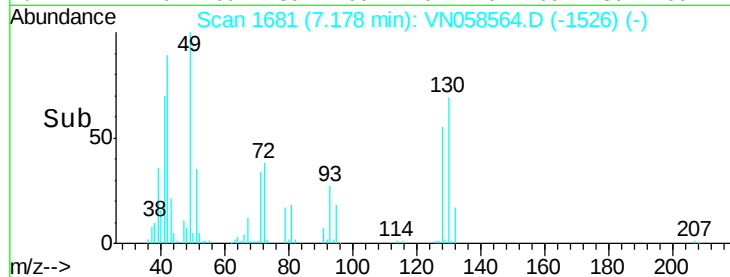
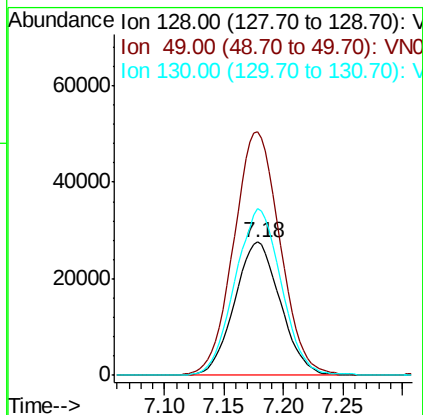
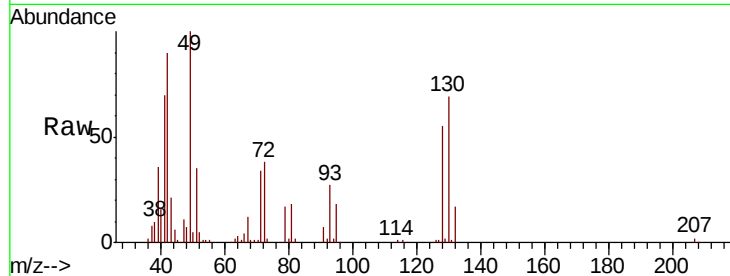
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	73616
Ion	Ratio	Lower	Upper
128	100		
49	185.1	0.0	458.5
130	126.2	0.0	320.7

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#2

Dichlorodifluoromethane

Concen: 20.070 ug/l

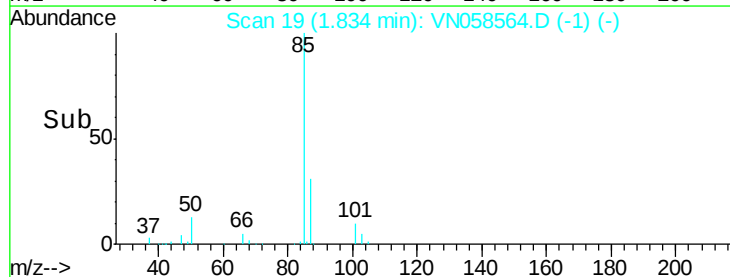
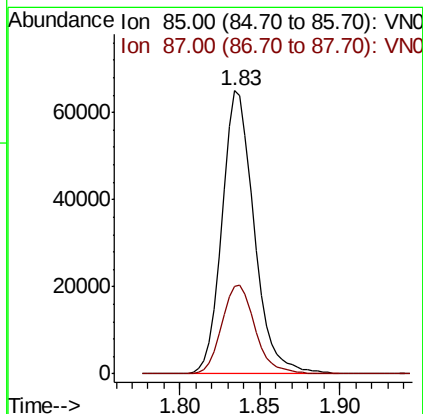
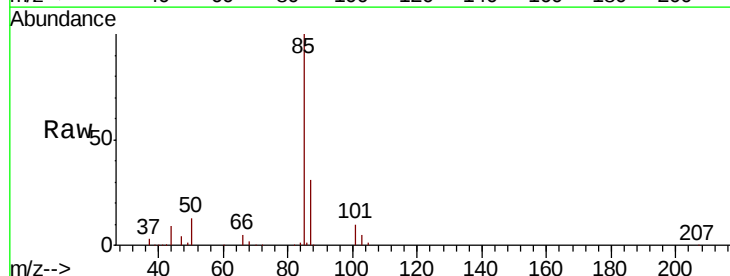
RT: 1.83 min Scan# 19

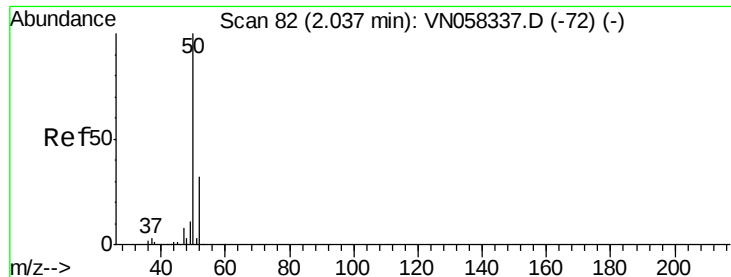
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	85	Resp:	88850
Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.5	46.5





#3

Chloromethane

Concen: 22.867 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 116888

Ion Ratio Lower Upper

50 100

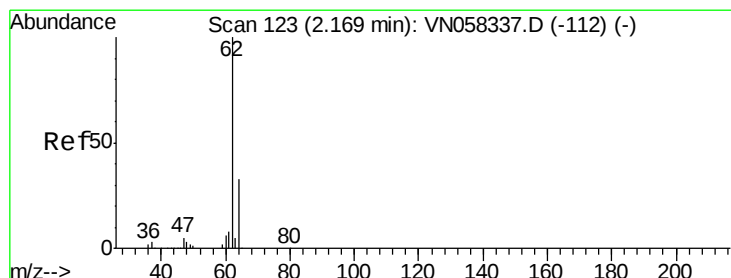
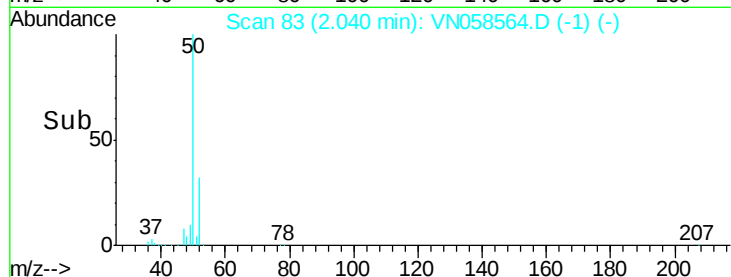
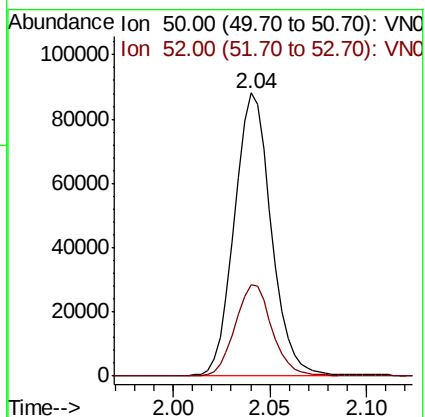
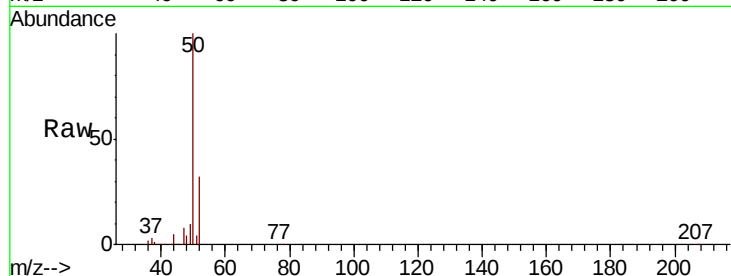
52 32.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 21.432 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058564.D

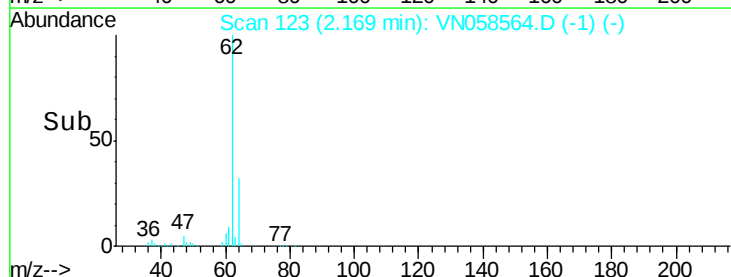
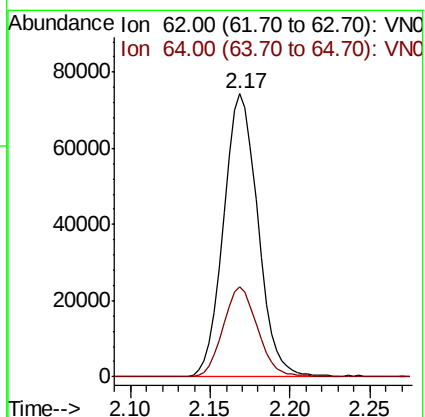
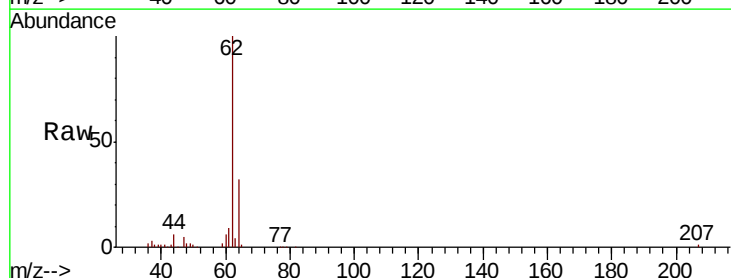
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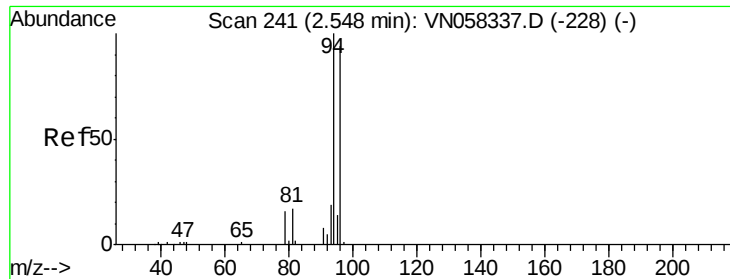
Tgt Ion: 62 Resp: 109314

Ion Ratio Lower Upper

62 100

64 32.0 26.6 40.0





#5

Bromomethane

Concen: 20.409 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 56523

Ion Ratio Lower Upper

94 100

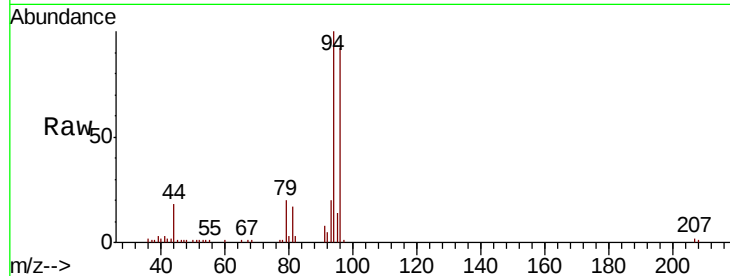
96 91.8 74.8 112.2

Manual Integrations

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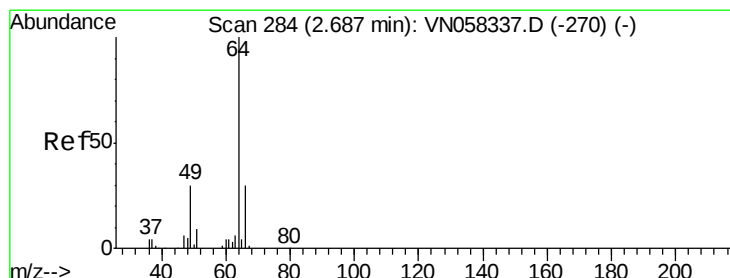
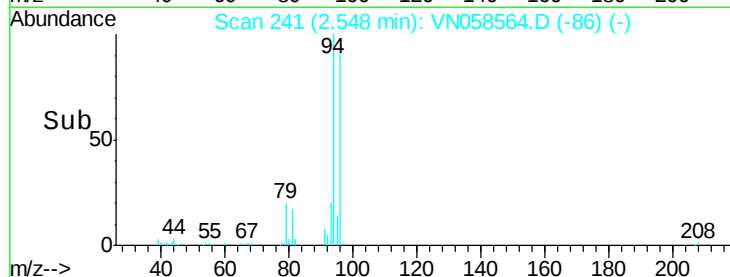
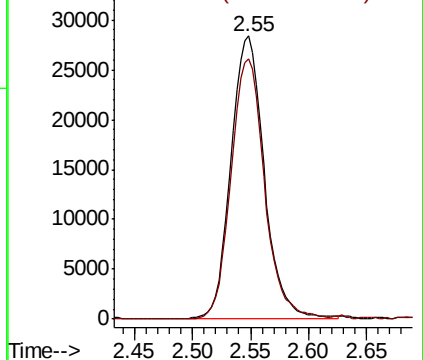
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10/9/2019 10:50:30 AM



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 22.160 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058564.D

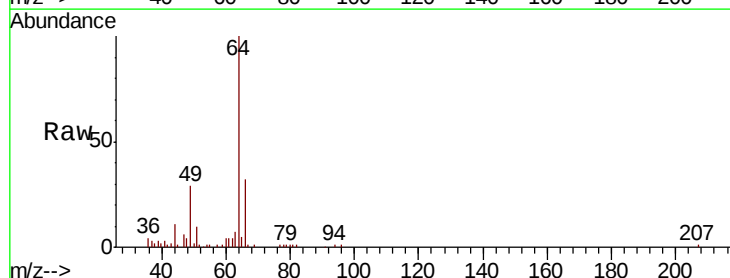
Acq: 7 Oct 2019 14:01

Tgt Ion: 64 Resp: 66797

Ion Ratio Lower Upper

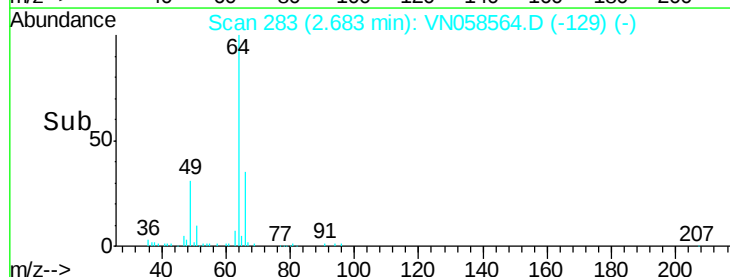
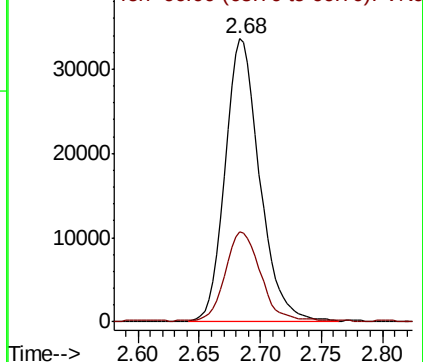
64 100

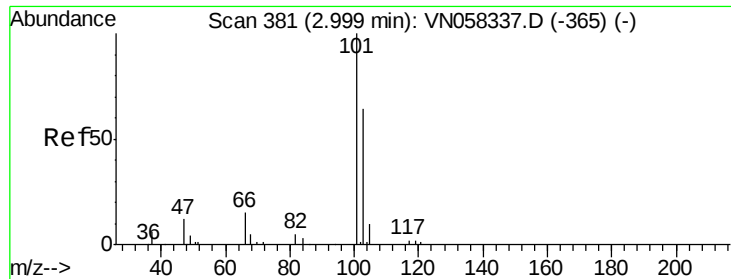
66 31.4 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

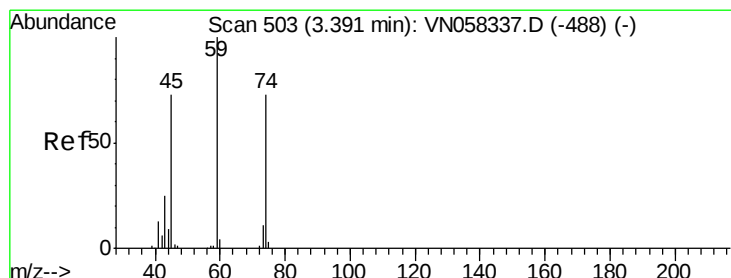
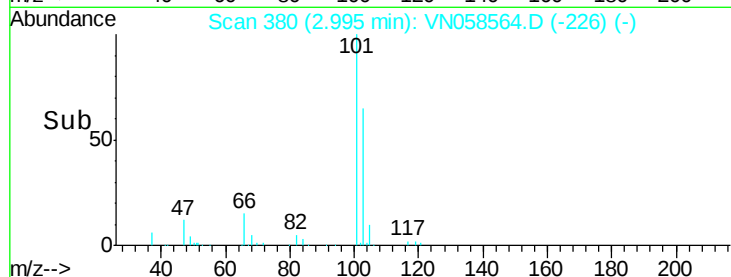
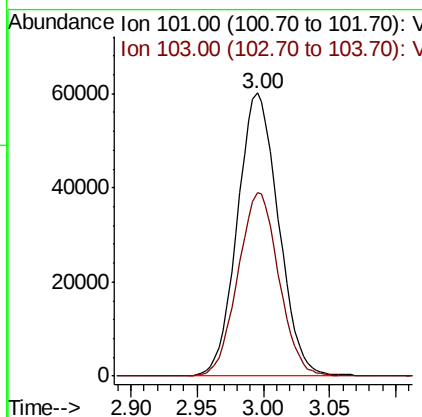
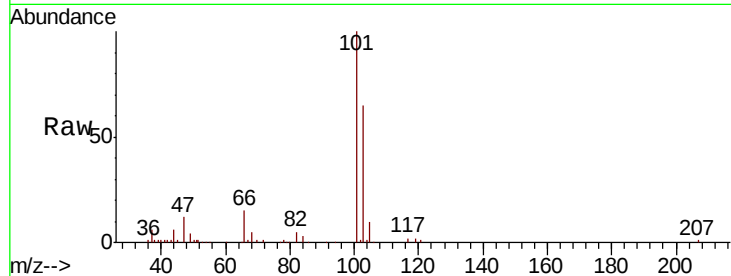
Trichlorofluoromethane
 Concen: 21.590 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058564.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		129662		
103	64.9	51.5	77.3		

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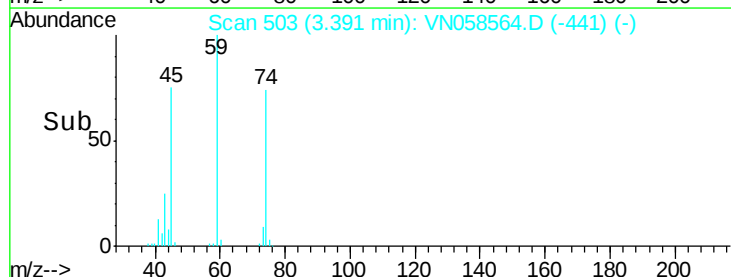
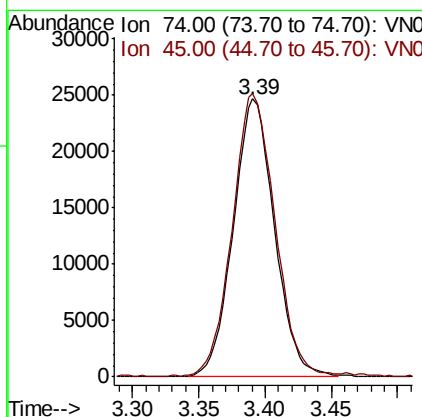
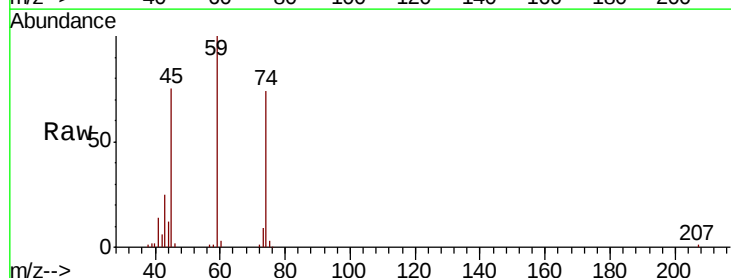
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 10/9/2019 10:50:30 AM

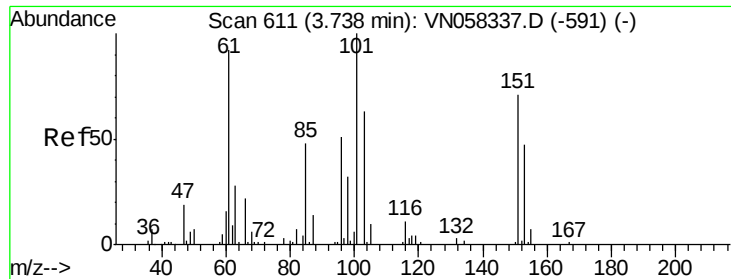


#8

Diethyl Ether
 Concen: 19.958 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53283		
45	105.8	20.8	187.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.907 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

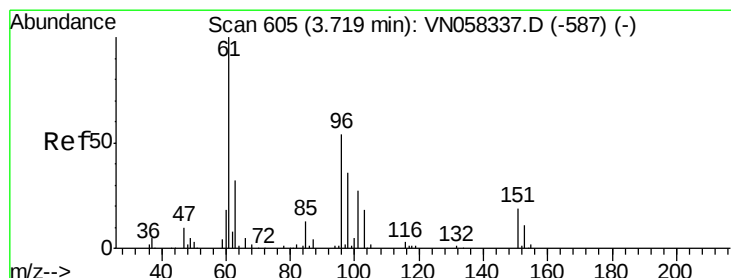
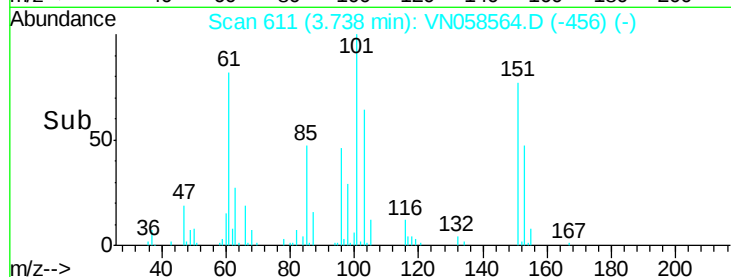
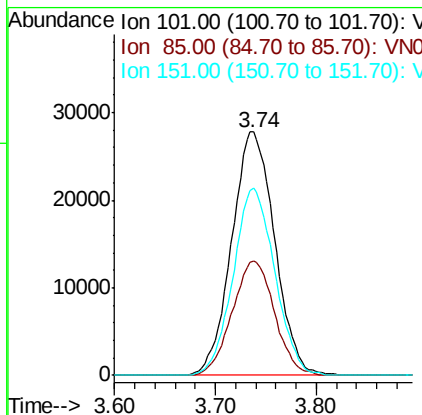
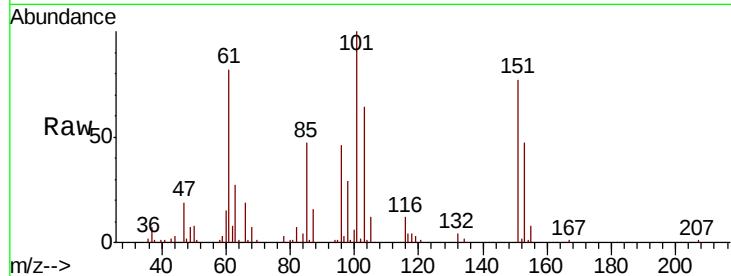
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	82296
Ion Ratio	Lower	Upper	
101	100		
85	46.2	0.0	93.0
151	74.5	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 19.389 ug/l

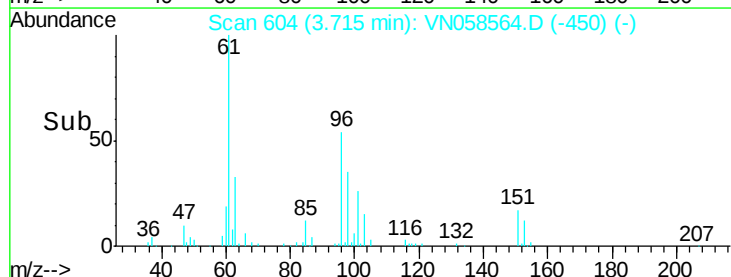
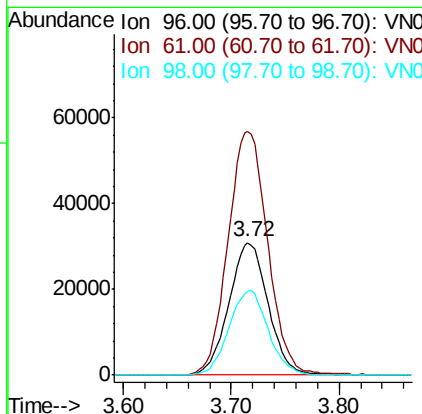
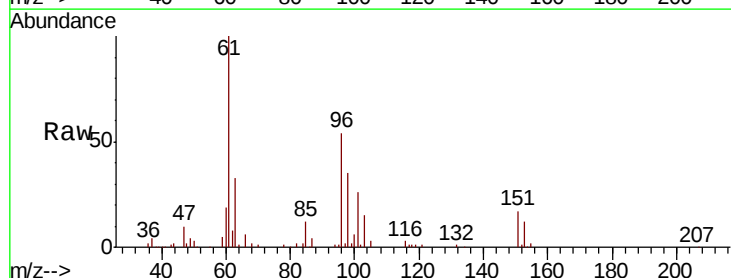
RT: 3.72 min Scan# 604

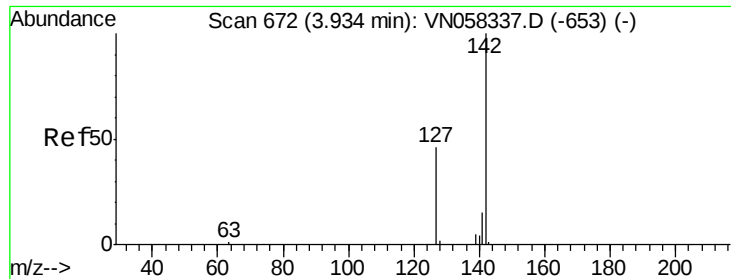
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	96	Resp:	78356
Ion Ratio	Lower	Upper	
96	100		
61	183.3	146.9	220.3
98	63.6	52.3	78.5





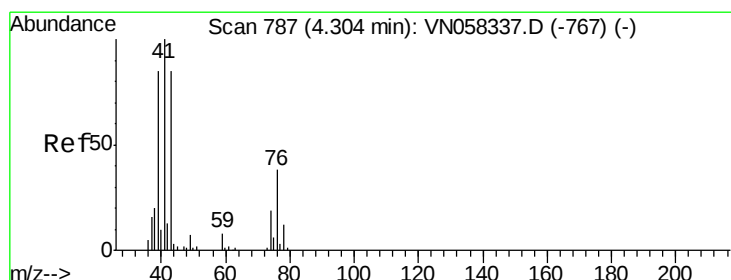
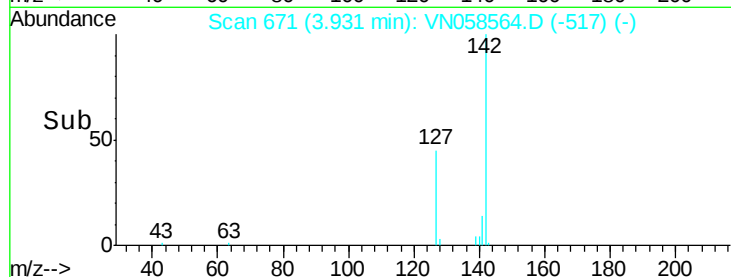
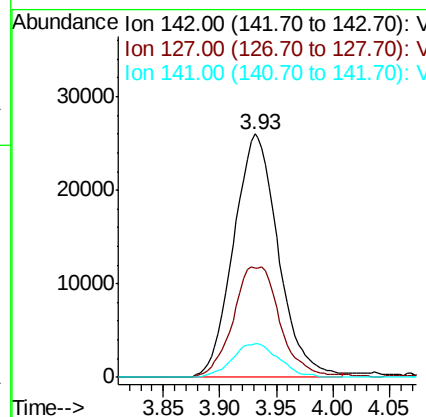
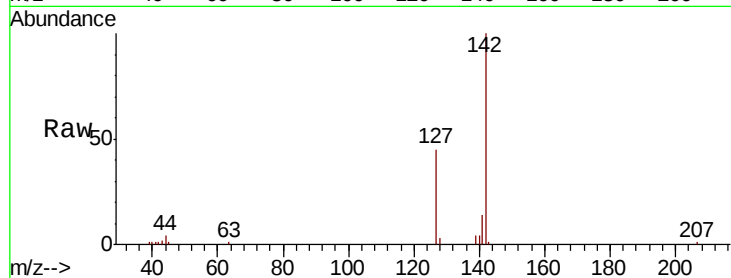
#11
Methvl Iodide
Concen: 17.300 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.8	22.9	68.7
141	14.0	7.4	22.3

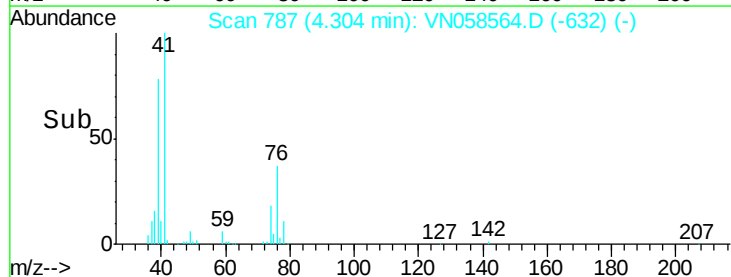
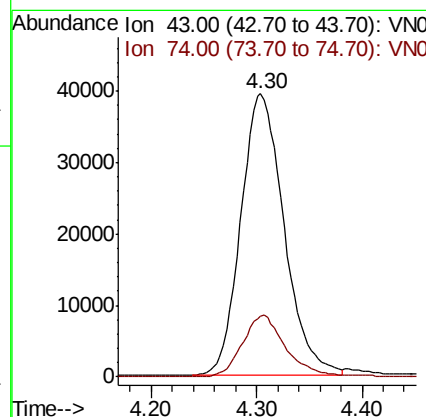
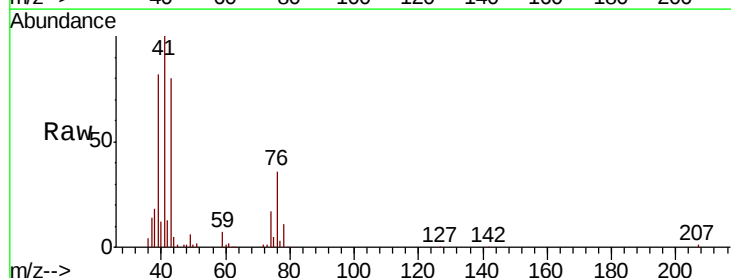
Manual Integrations
APPROVED

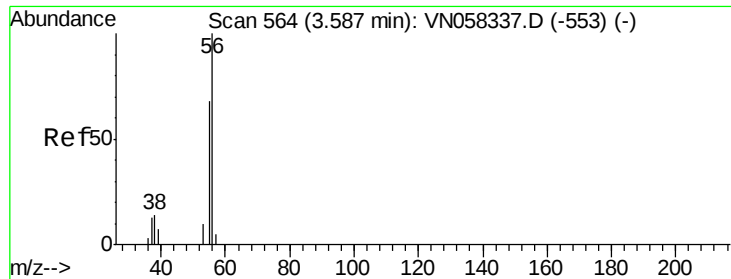
MMDadoda
10/9/2019 10:50:30 AM



#12
Methyl Acetate
Concen: 20.748 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.8	26.6





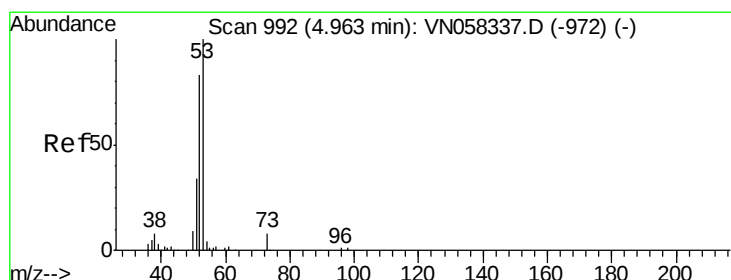
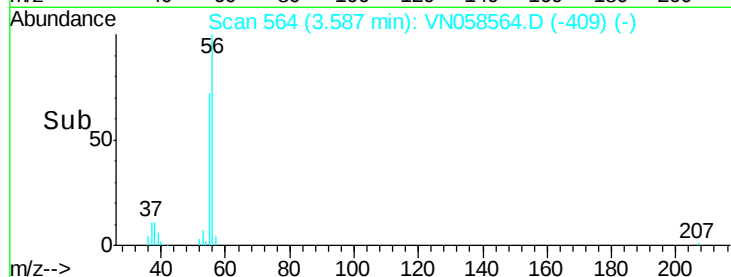
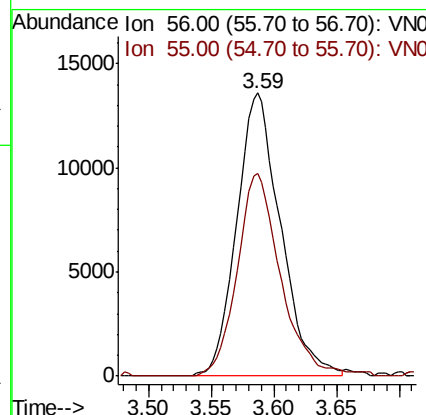
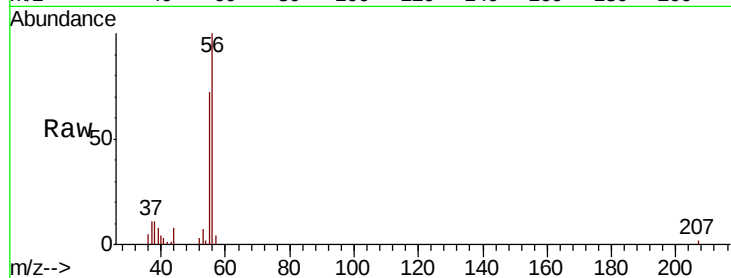
#13
Acrolein
Concen: 216.079 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.4	58.4	87.6	

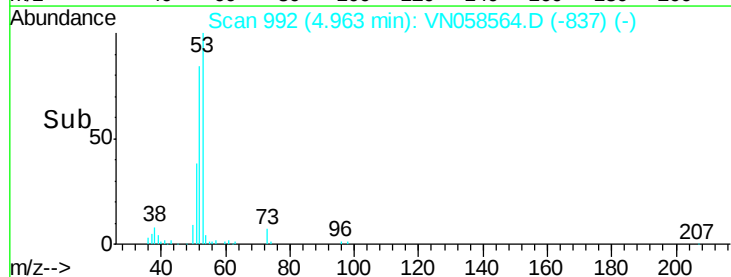
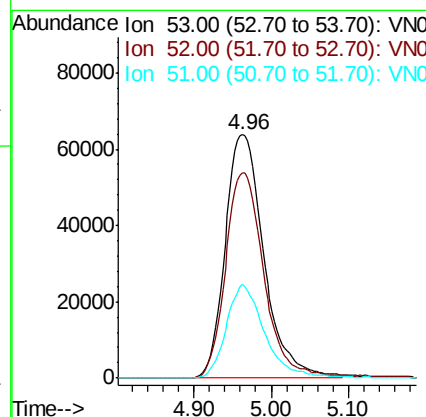
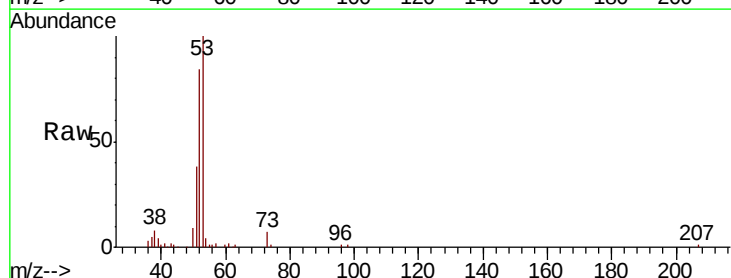
Manual Integrations
APPROVED

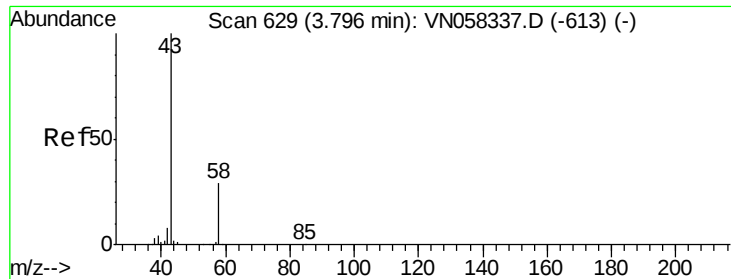
MMDadoda
10/9/2019 10:50:30 AM



#14
Acrylonitrile
Concen: 100.000 ug/l
RT: 4.96 min Scan# 992
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.9	41.3	123.7	
51	37.4	18.3	54.8	





#15

Acetone

Concen: 100.370 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 61851

Ion Ratio Lower Upper

58 100

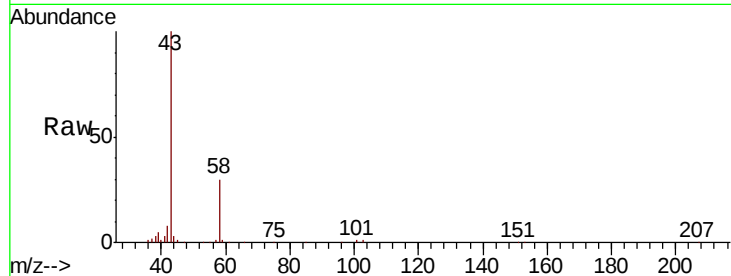
43 333.3 272.6 409.0

Manual Integrations

APPROVED

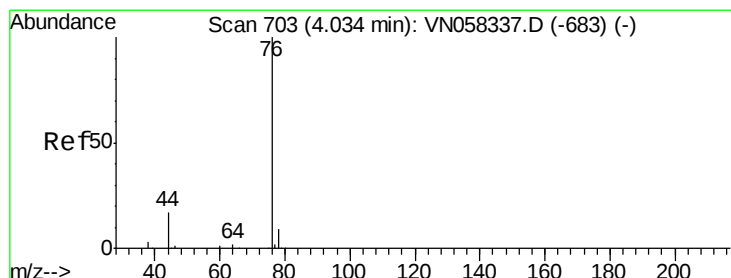
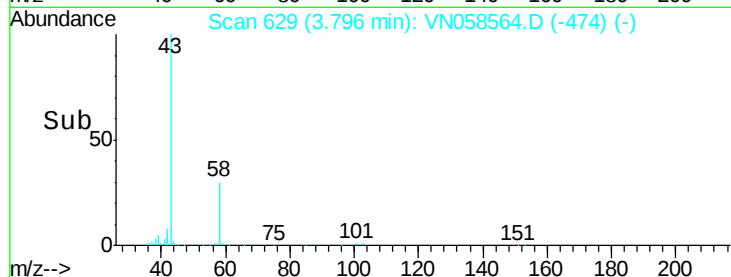
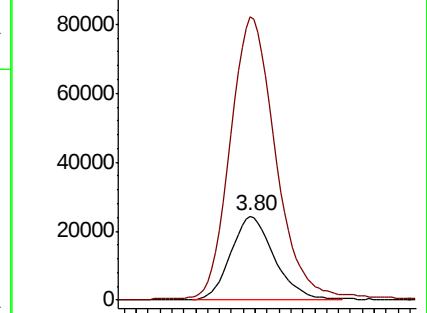
MMDadoda

10/9/2019 10:50:30 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.889 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058564.D

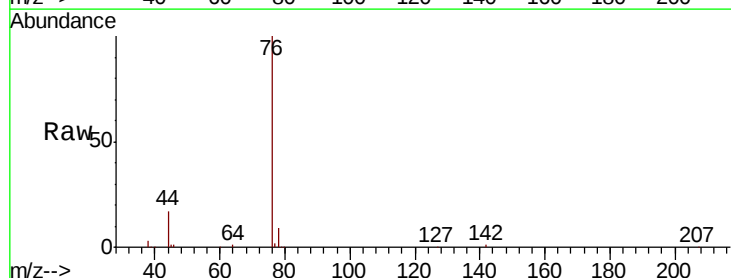
Acq: 7 Oct 2019 14:01

Tgt Ion: 76 Resp: 223365

Ion Ratio Lower Upper

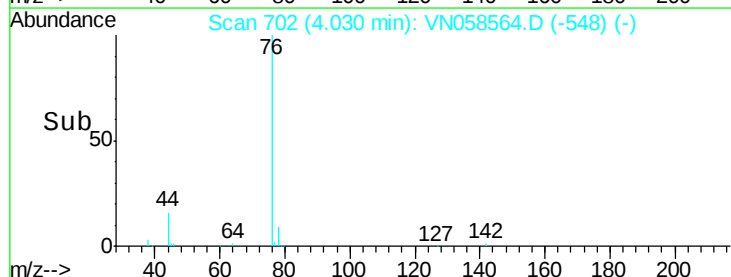
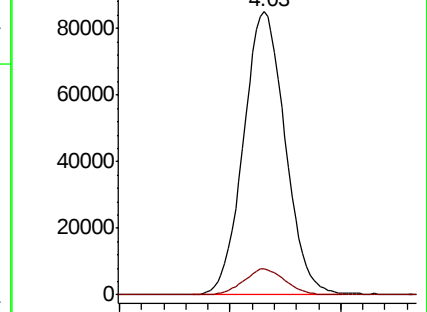
76 100

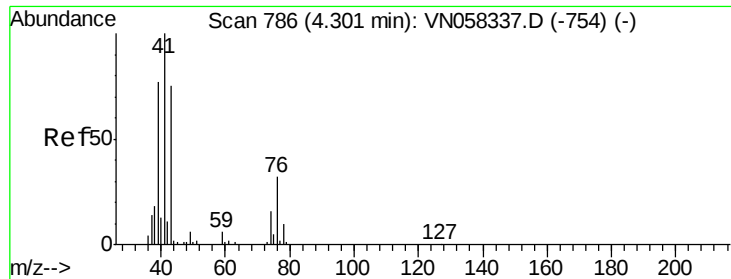
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





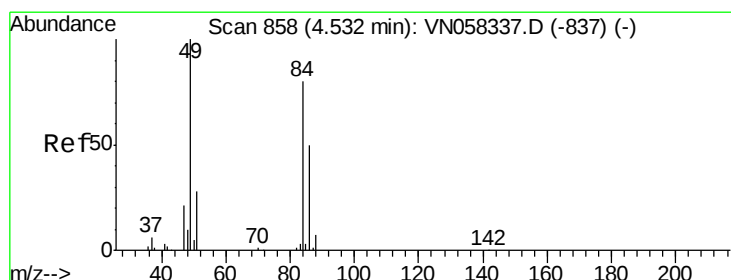
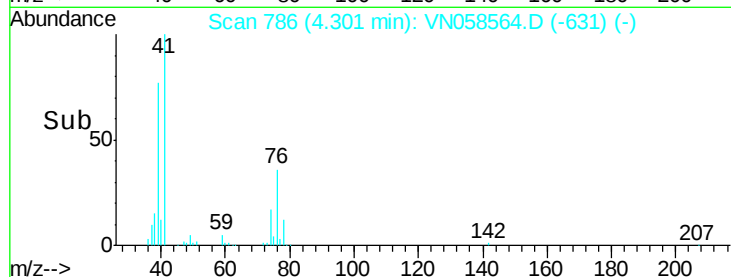
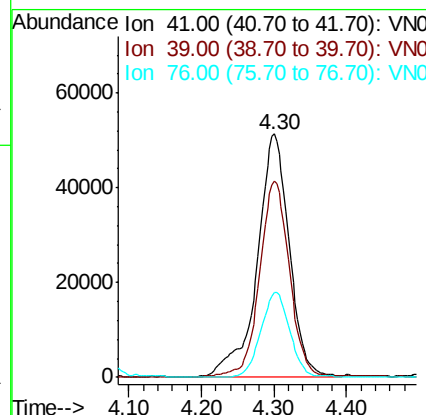
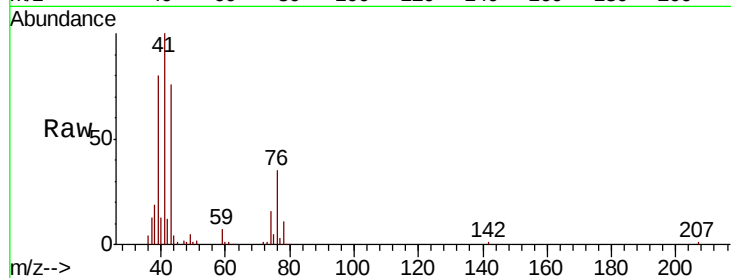
#17
Allvl chloride
Concen: 21.028 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.5	38.7	116.1
76	34.7	16.4	49.1

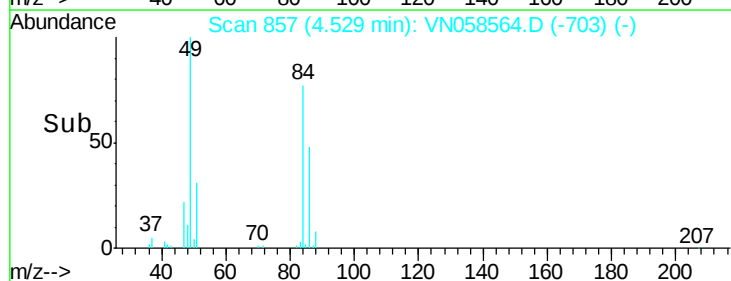
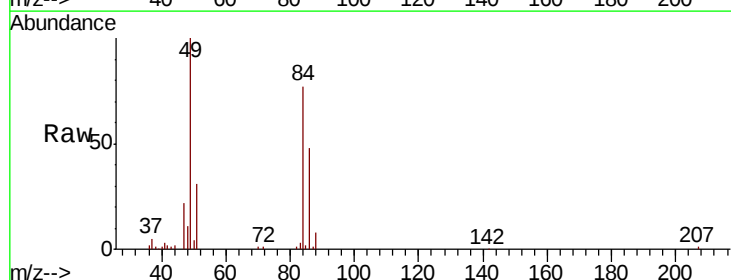
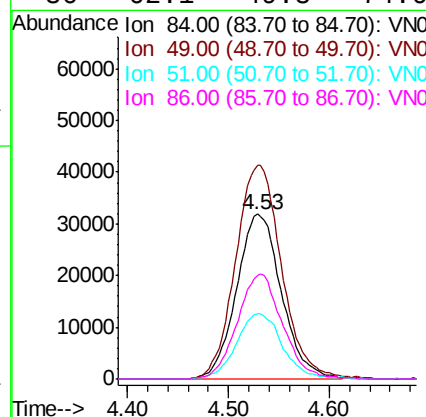
Manual Integrations
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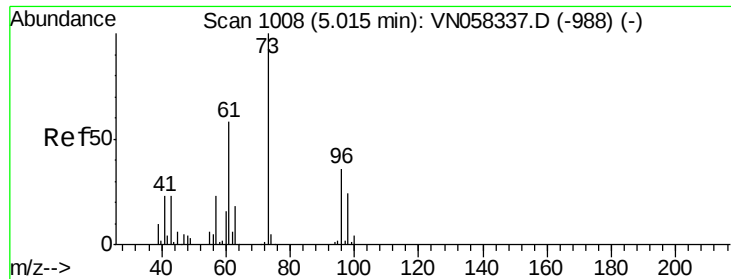
MMDadoda
10/9/2019 10:50:30 AM



#18
Methylene Chloride
Concen: 20.669 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	99.8	149.6
51	39.7	28.3	42.5
86	62.1	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 19.500 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 88347

Ion Ratio Lower Upper

96 100

61 148.4 128.0 192.0

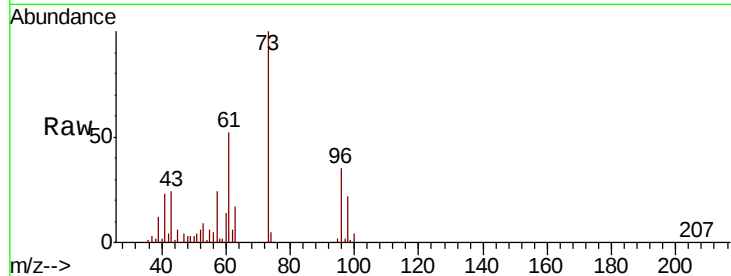
98 64.0 53.0 79.6

Manual Integrations

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MMDadoda

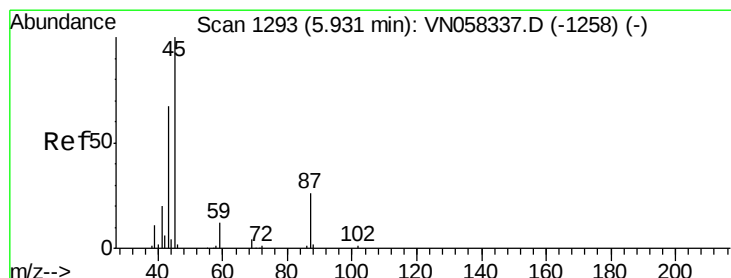
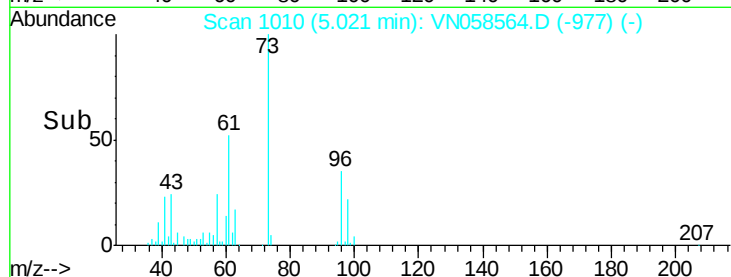
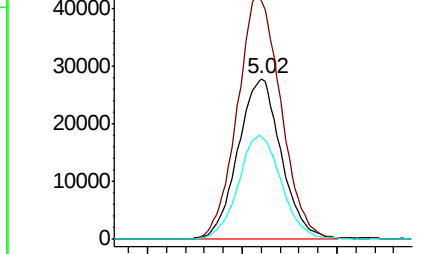
10/9/2019 10:50:30 AM



Abundance Ion 96.00 (95.70 to 96.70): VN058337.D (-988) (-)

Ion 61.00 (60.70 to 61.70): VN058337.D (-988) (-)

Ion 98.00 (97.70 to 98.70): VN058337.D (-988) (-)



#20

Diisopropyl ether

Concen: 20.431 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion: 45 Resp: 328624

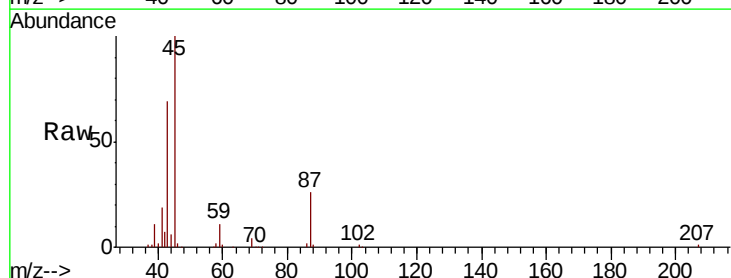
Ion Ratio Lower Upper

45 100

43 67.1 54.1 81.1

87 26.0 21.4 32.2

59 11.0 9.3 13.9

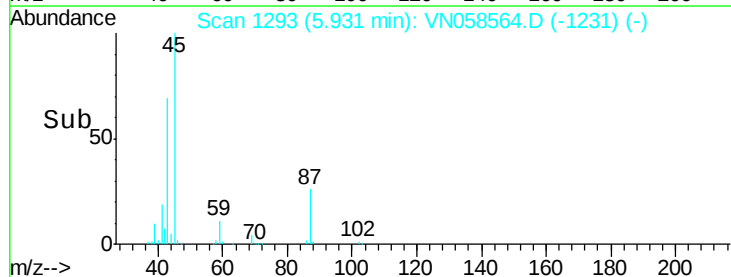
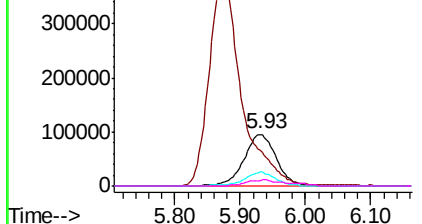


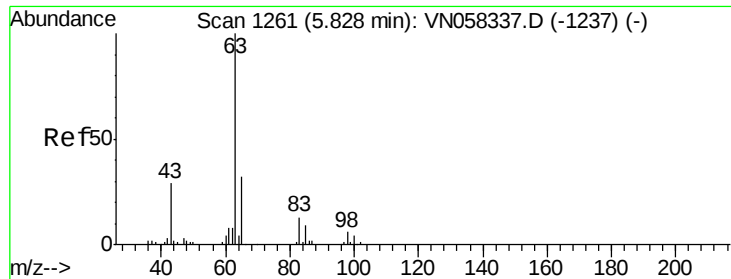
Abundance Ion 45.00 (44.70 to 45.70): VN058337.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN058337.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN058337.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN058337.D (-1258) (-)





#21

1,1-Dichloroethane

Concen: 20.112 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

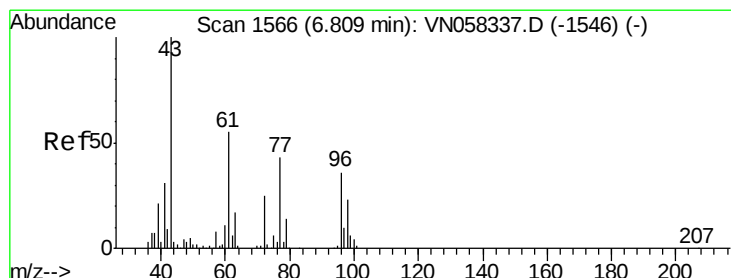
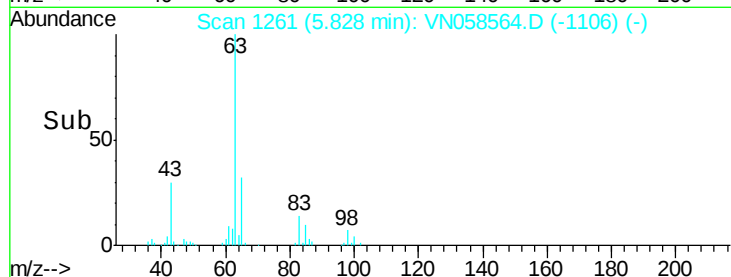
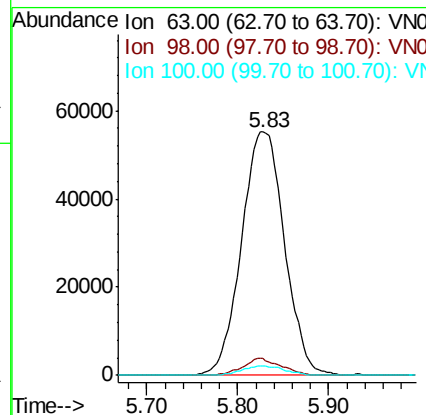
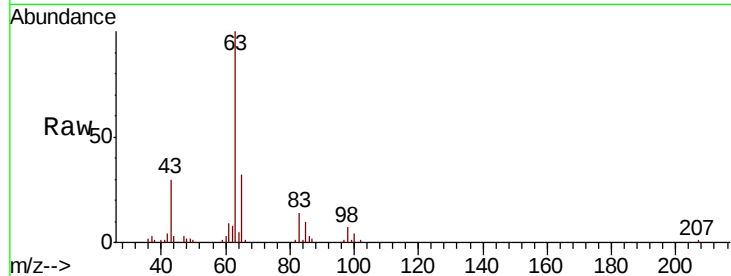
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	181022
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.0	9.2
100	4.0	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.016 ug/l

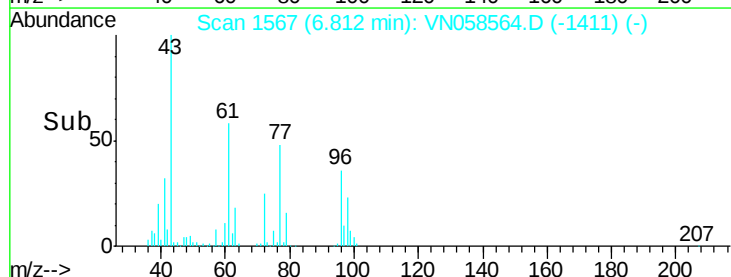
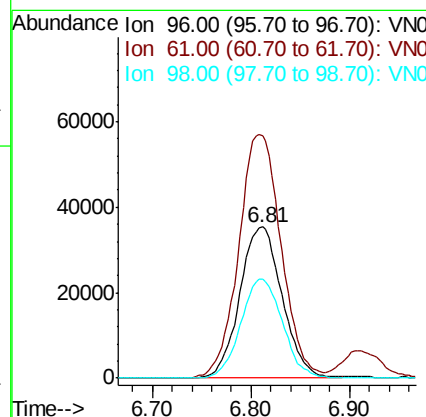
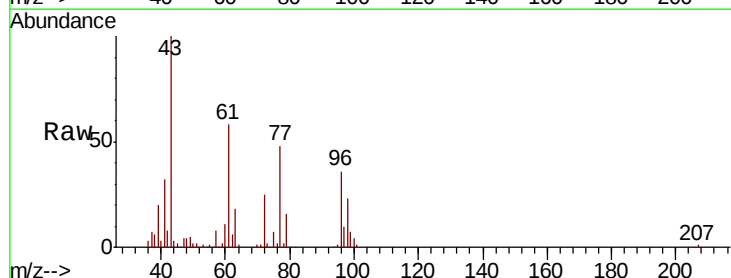
RT: 6.81 min Scan# 1567

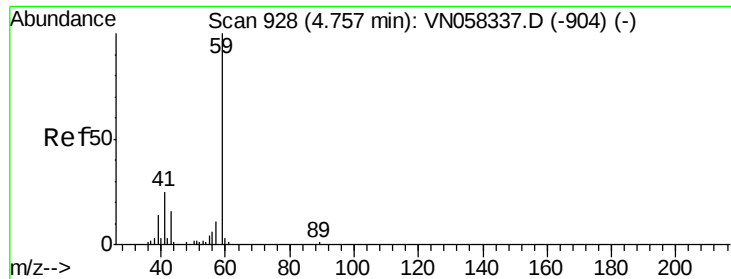
Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	96	Resp:	105338
Ion Ratio	Lower	Upper	
96	100		
61	161.5	128.2	192.2
98	64.2	50.6	76.0





#23

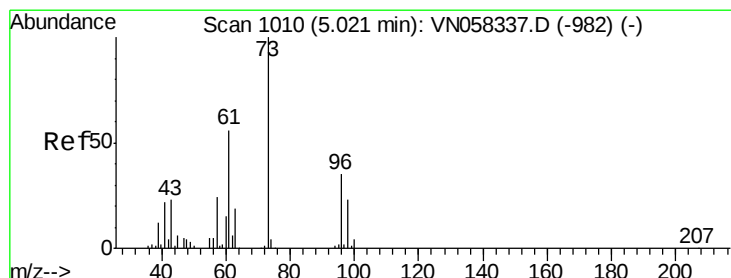
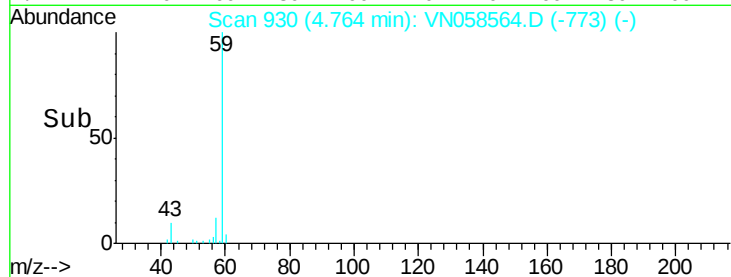
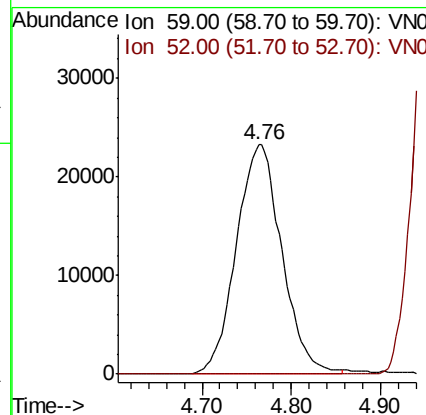
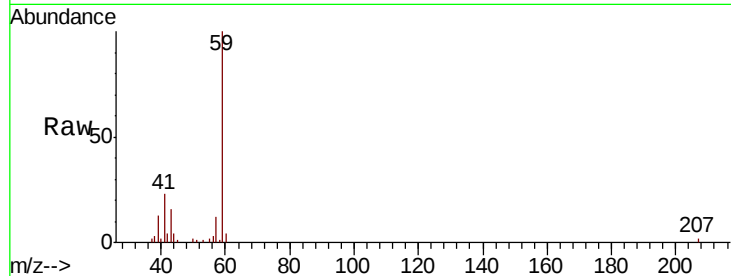
tert-Butyl Alcohol
 Concen: 100.328 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 82313
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

Manual Integrations
 APPROVED

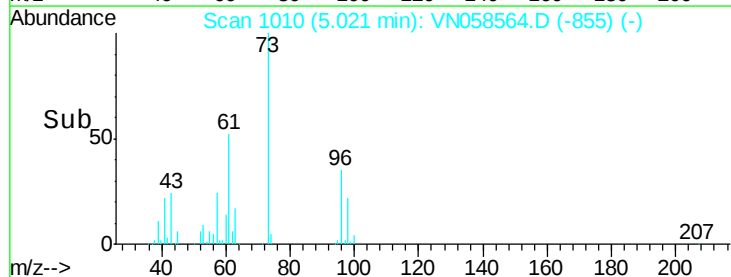
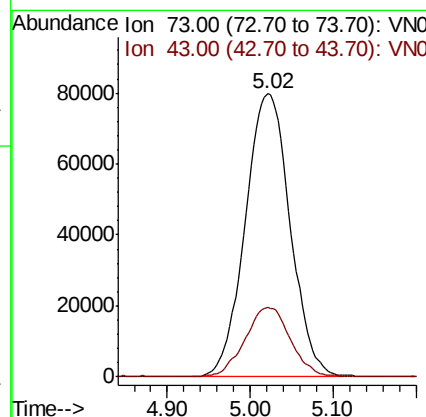
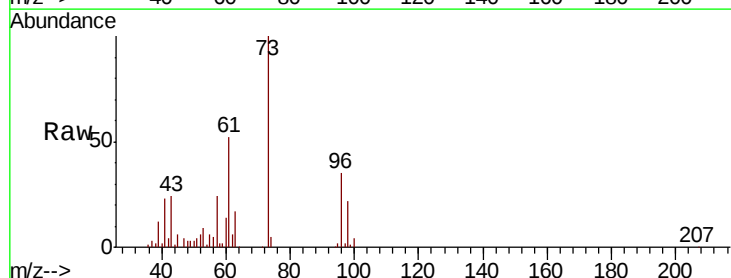
MMDadoda
 10/9/2019 10:50:30 AM

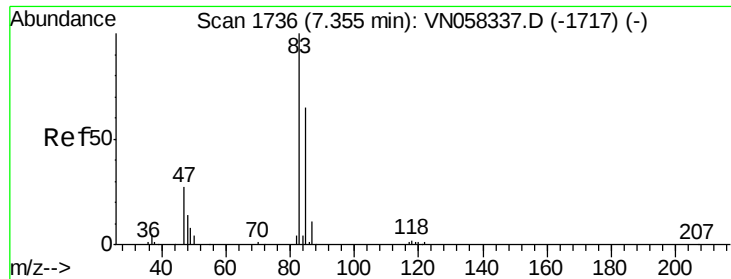


#24

Methyl tert-Butyl Ether
 Concen: 20.650 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 73 Resp: 299557
 Ion Ratio Lower Upper
 73 100
 43 24.1 18.4 27.6





#25

Chloroform

Concen: 20.106 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 183249

Ion Ratio Lower Upper

83 100

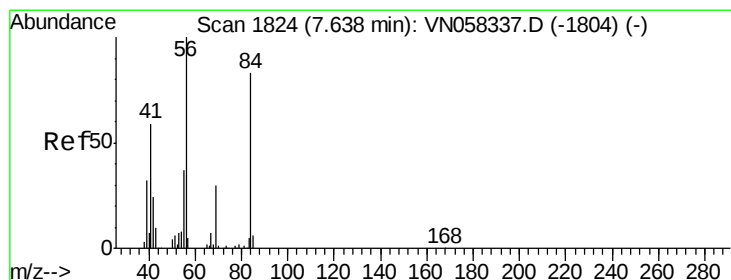
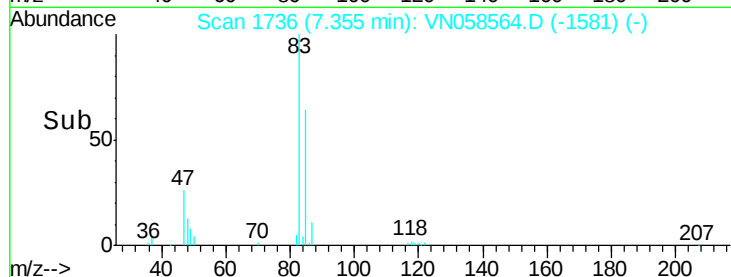
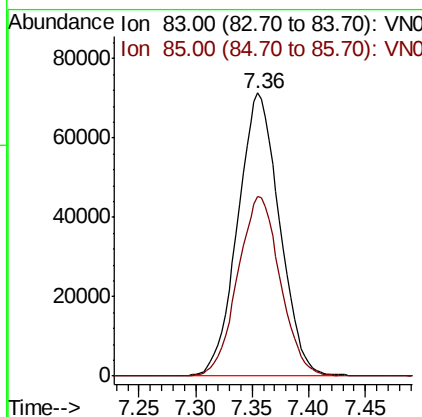
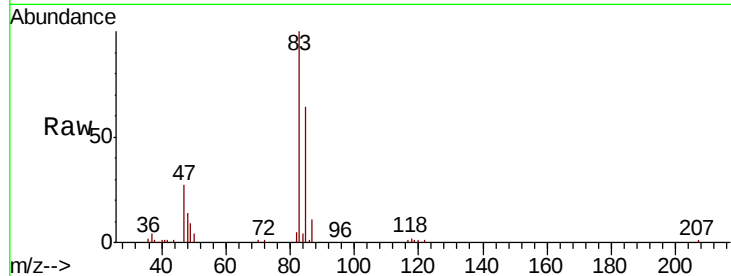
85 63.6 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/9/2019 10:50:30 AM



#26

Cyclohexane

Concen: 18.627 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

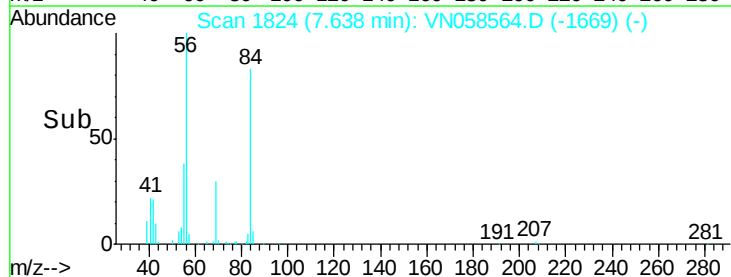
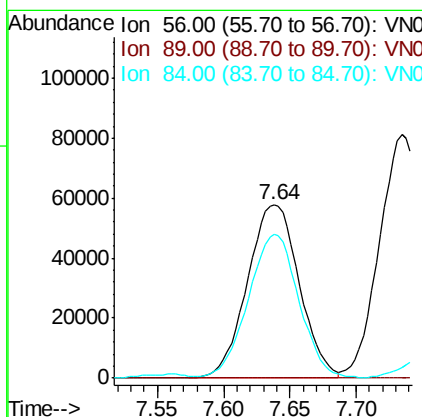
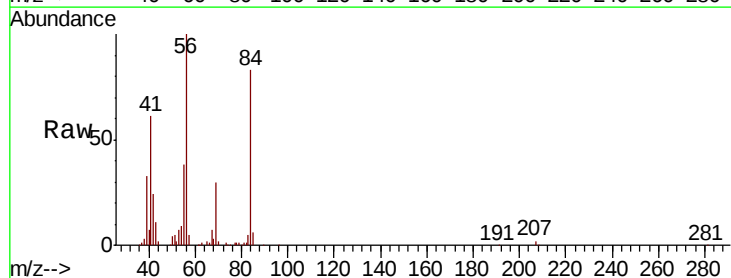
Tgt Ion: 56 Resp: 156705

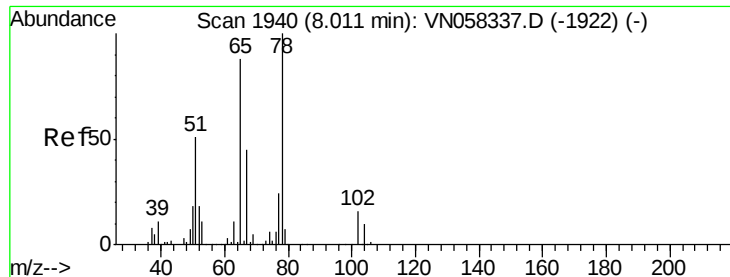
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 80.4 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 29.676 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 193117

Ion Ratio Lower Upper

65 100

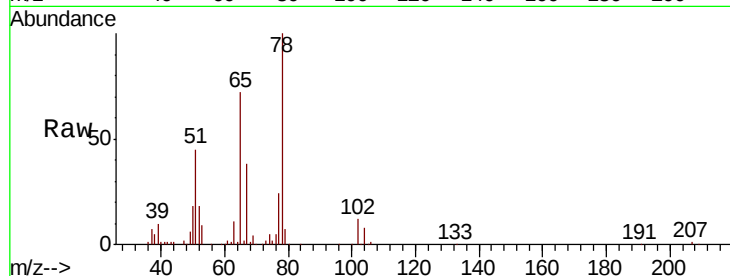
67 51.4 40.4 60.6

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10/9/2019 10:50:30 AM



Abundance Ion 65.00 (64.70 to 65.70): VN058337.D (-1922) (-)

Ion 67.00 (66.70 to 67.70): VN058337.D (-1922) (-)

8.01

8.01

8.01

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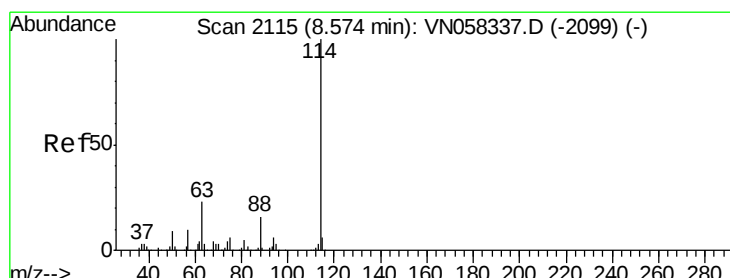
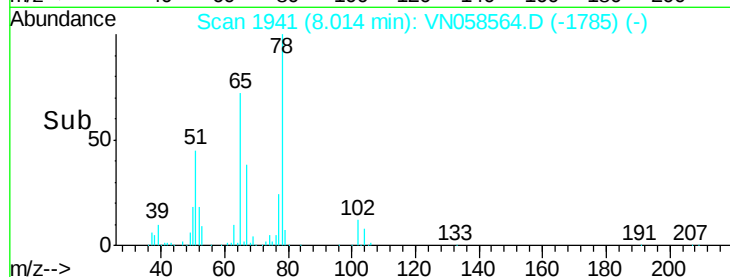
8.01

8.01

8.01

8.01

8.01



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

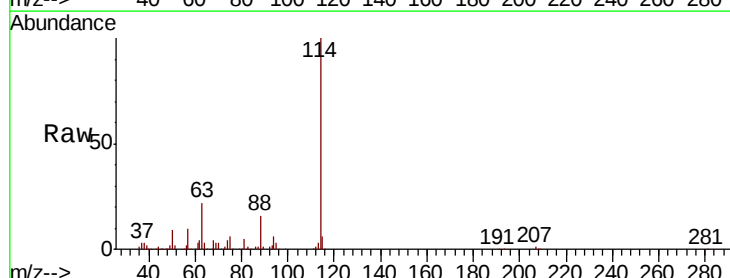
Tgt Ion: 114 Resp: 424491

Ion Ratio Lower Upper

114 100

63 22.1 17.8 26.8

88 15.7 12.7 19.1



Abundance Ion 114.00 (113.70 to 114.70): VN058337.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058337.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058337.D (-2099) (-)

8.57

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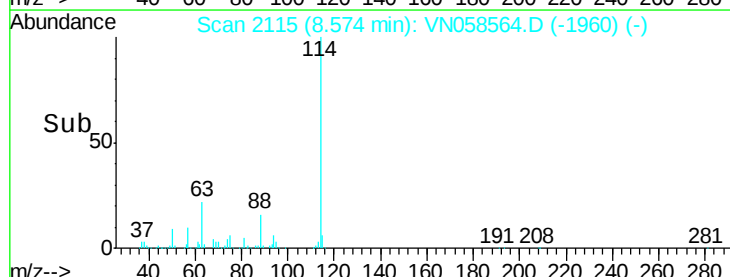
8.57

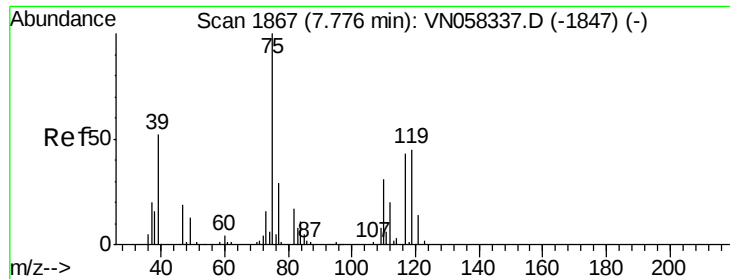
8.57

8.57

8.57

8.57





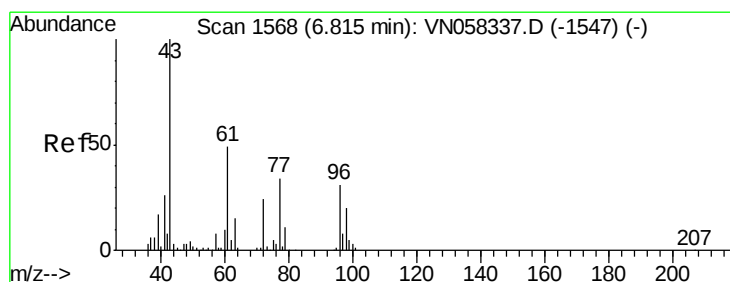
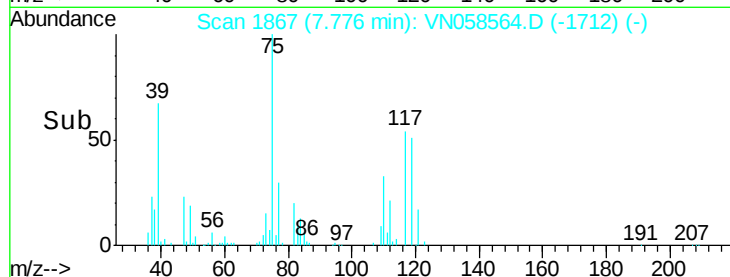
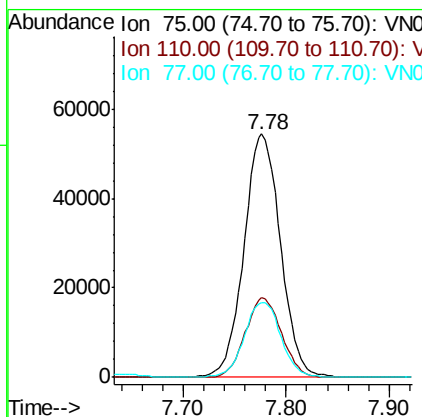
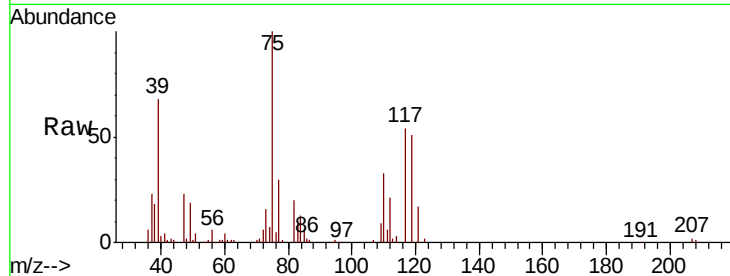
#29
 1,1-Dichloropropene
 Concen: 19.298 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.4	0.0	63.6	
77	31.0	0.0	59.4	

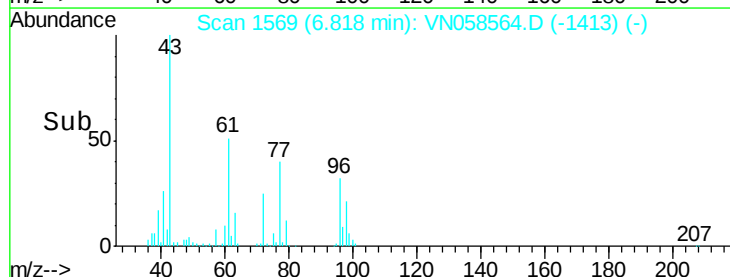
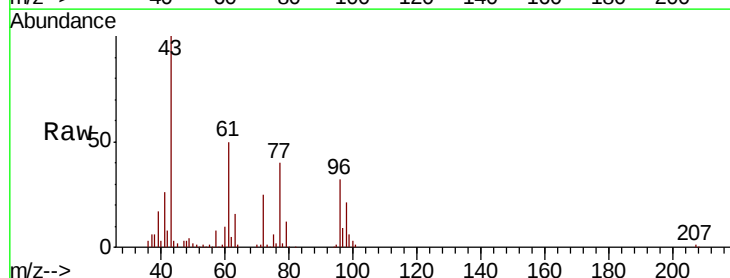
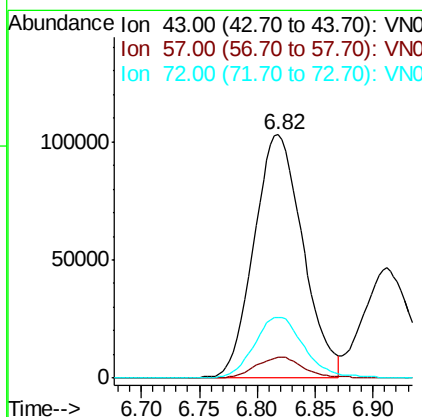
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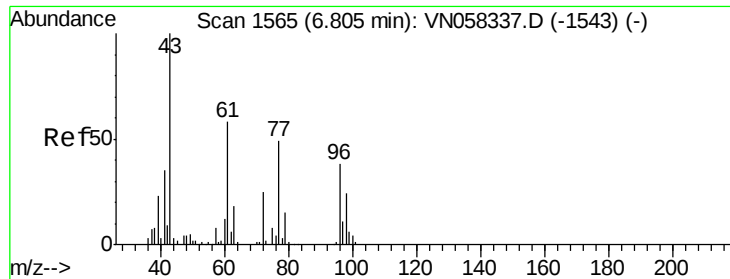
MMDadoda
 10/9/2019 10:50:30 AM



#30
 2-Butanone
 Concen: 95.575 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.3	6.2	9.4	
72	25.3	20.3	30.5	





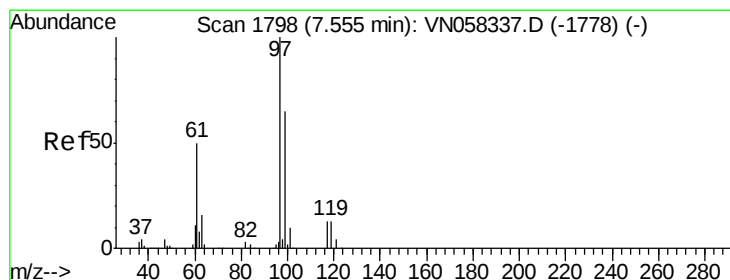
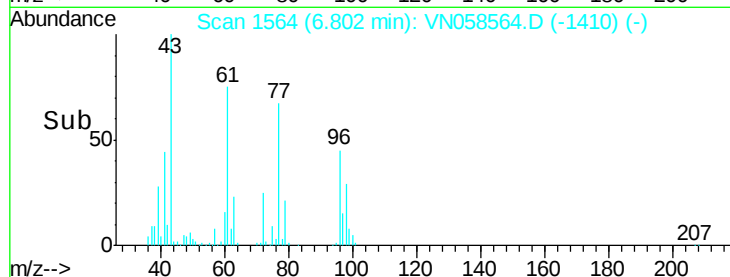
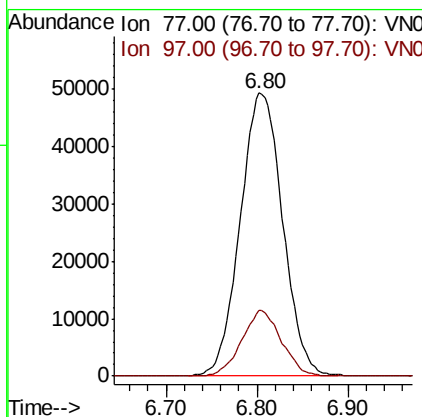
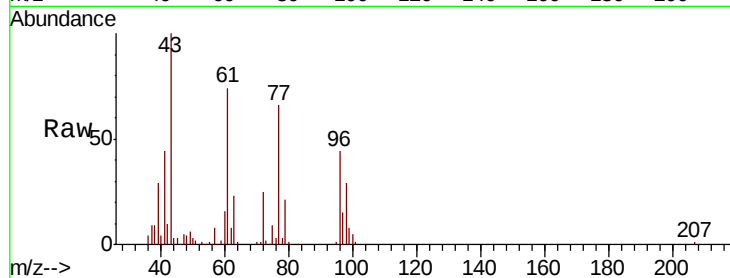
#31
 2,2-Dichloropropane
 Concen: 22.390 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 159720
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.6 26.4

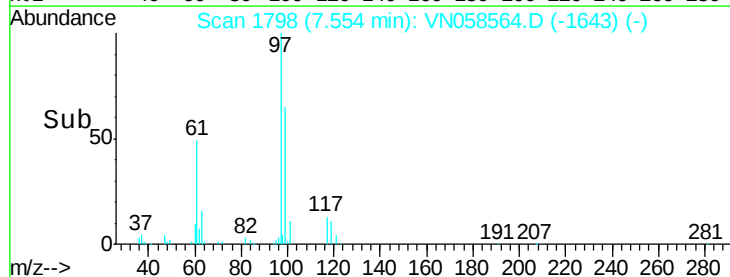
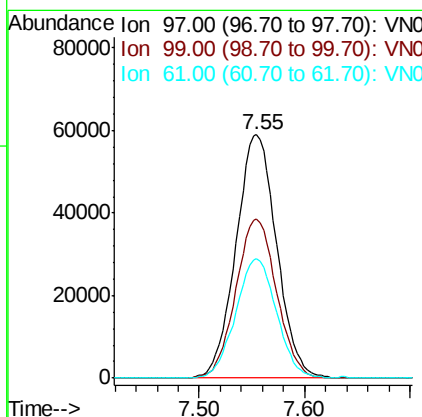
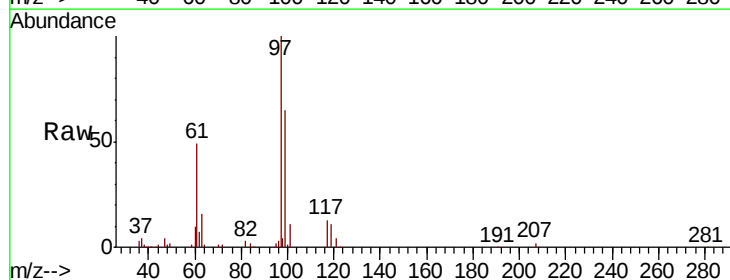
Manual Integrations
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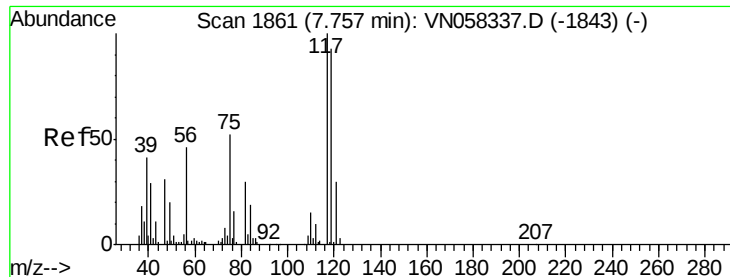
MMDadoda
 10/9/2019 10:50:30 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.183 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 97 Resp: 158313
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.8 77.6
 61 49.2 39.4 59.2





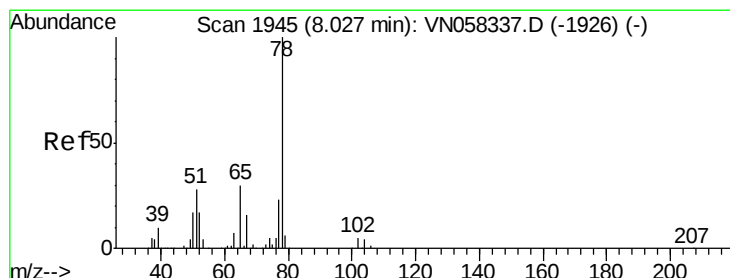
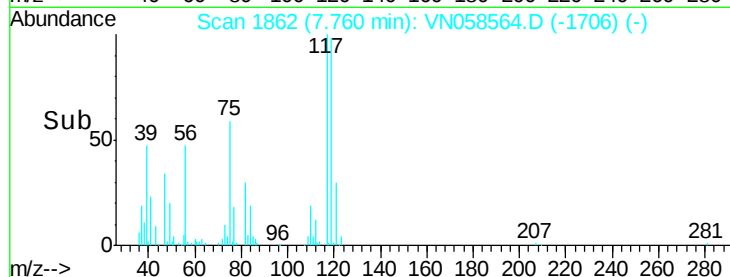
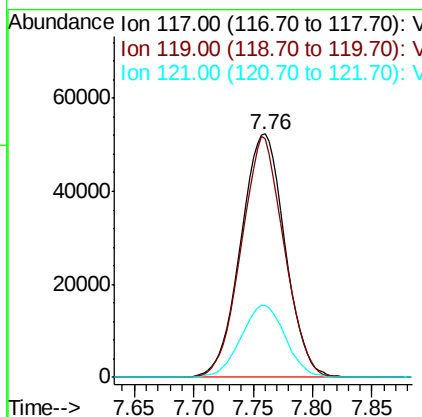
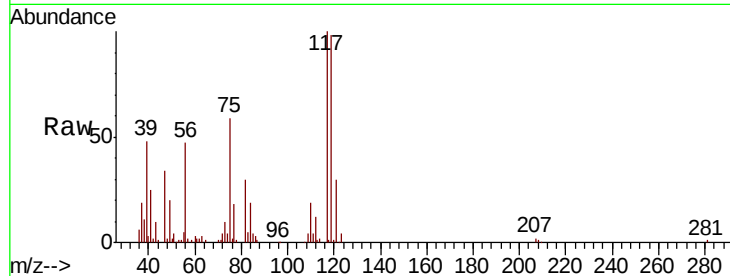
#33
Carbon Tetrachloride
Concen: 21.207 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.2	111.4
121	29.7	23.9	35.9

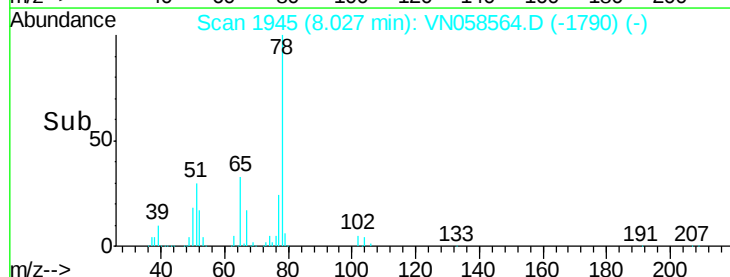
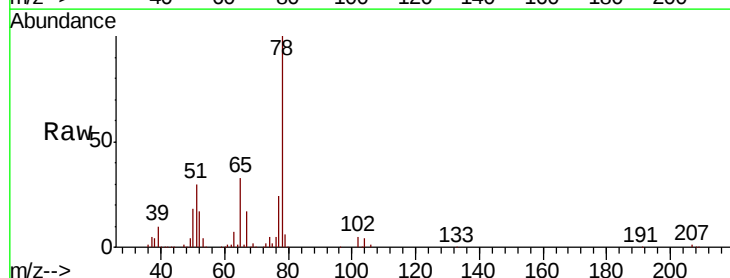
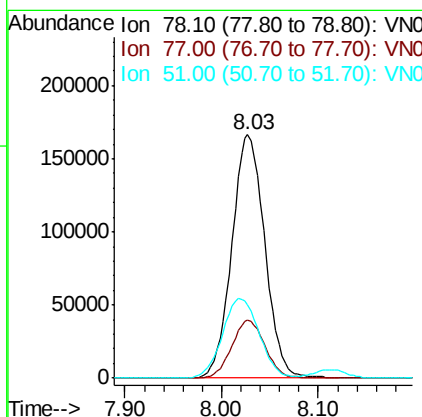
Manual Integrations
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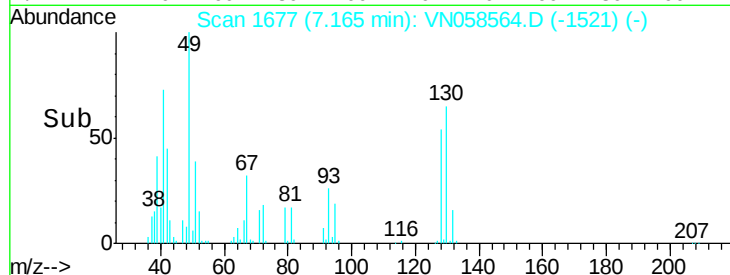
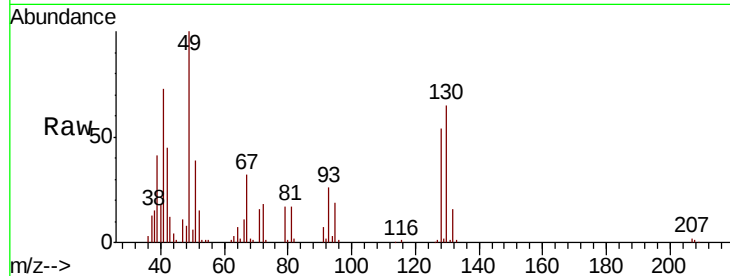
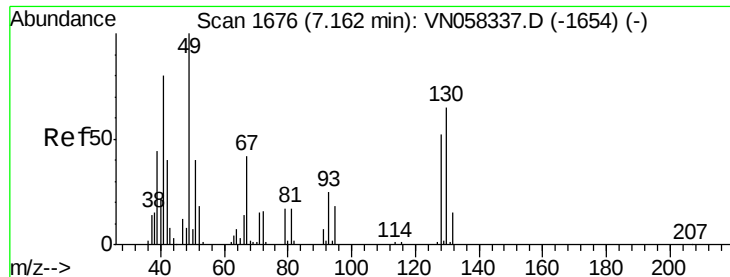
MMDadoda
10/9/2019 10:50:30 AM



#34
Benzene
Concen: 20.020 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

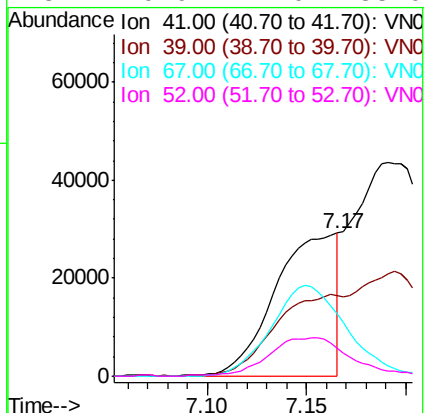
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2
51	29.9	22.4	33.6





#35
Methacrylonitrile
Concen: 23.357 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

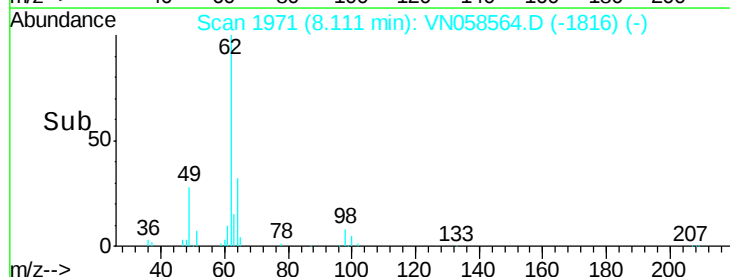
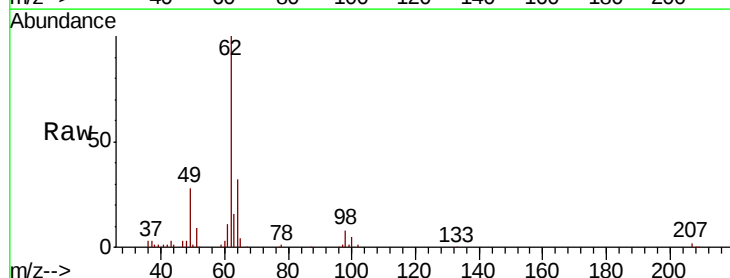
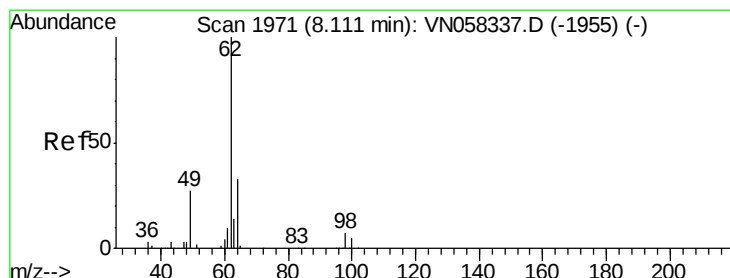
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	27.3	81.9
67	44.0	26.3	78.9
52	19.9	11.0	33.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

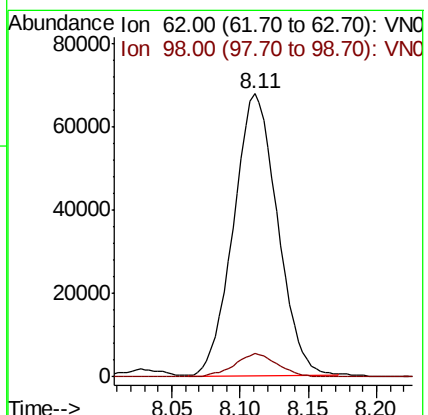
Manual Integrations
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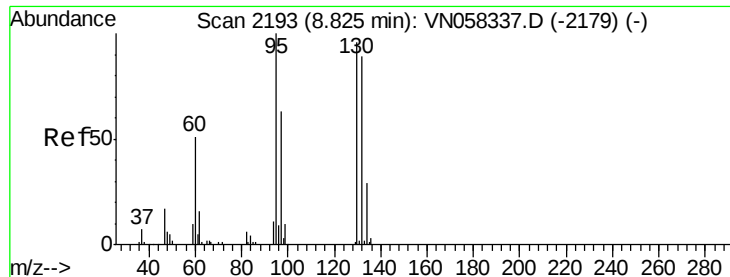
MMDadoda
10/9/2019 10:50:30 AM



#36
1,2-Dichloroethane
Concen: 19.691 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.0	9.0





#37

Trichloroethene

Concen: 20.395 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 100361

Ion Ratio Lower Upper

130 100

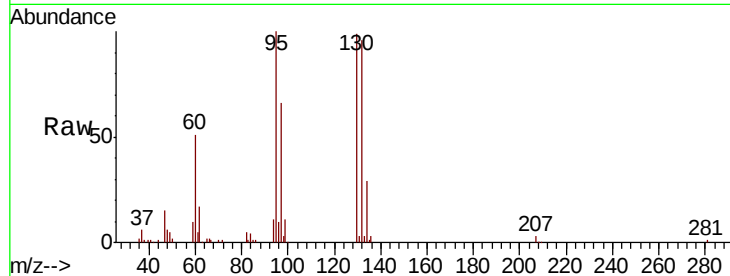
95 100.9 83.3 124.9

Manual Integrations

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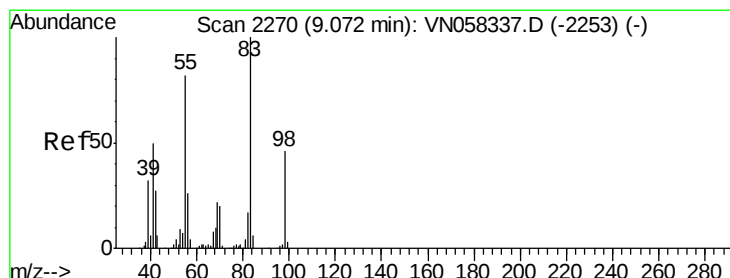
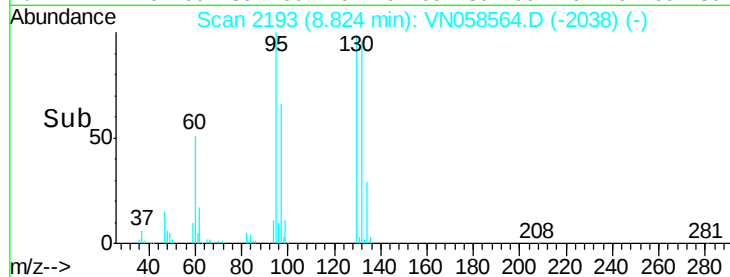
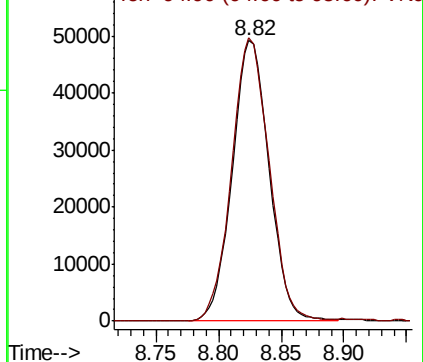
MMDadoda

10/9/2019 10:50:30 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.315 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

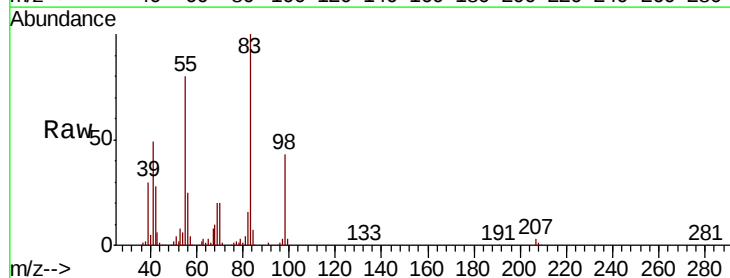
Tgt Ion: 83 Resp: 153455

Ion Ratio Lower Upper

83 100

55 79.6 40.5 121.4

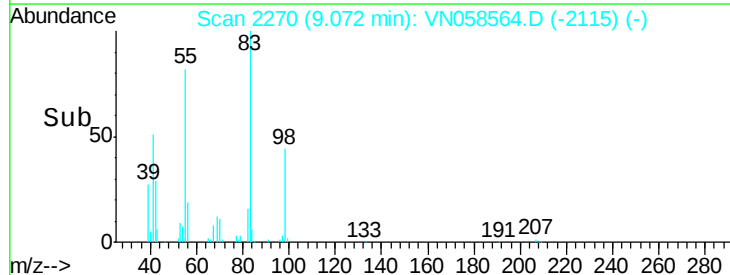
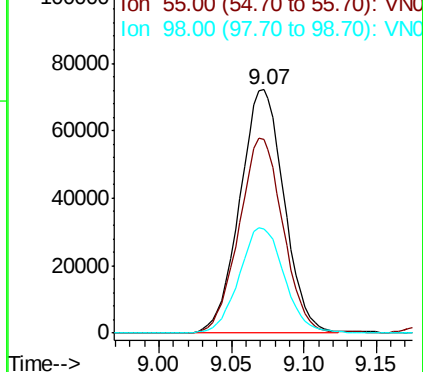
98 44.0 23.1 69.2

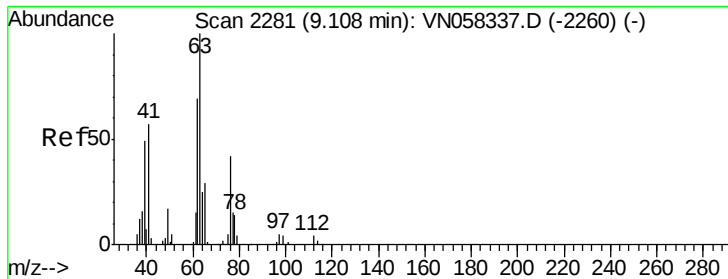


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





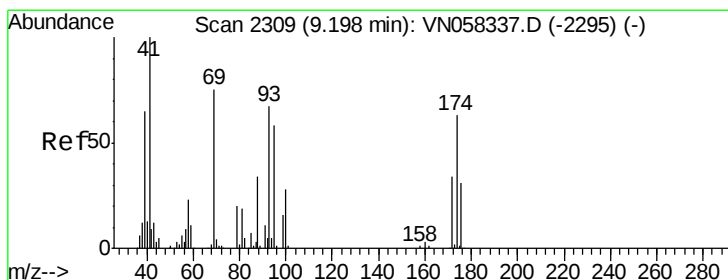
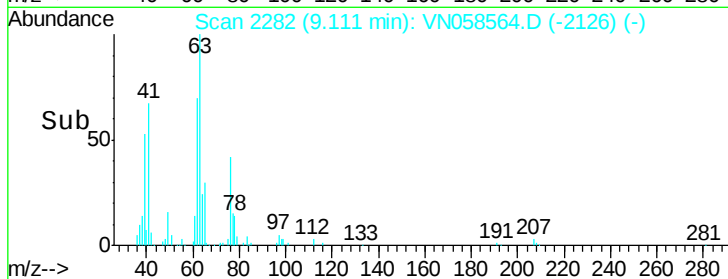
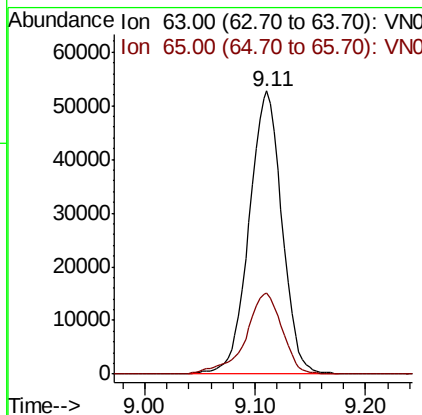
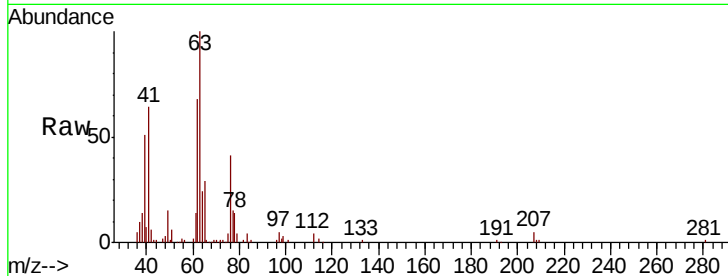
#39
 1,2-Dichloropropane
 Concen: 20.282 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	108744
Ion Ratio	Lower	Upper	
63	100		
65	28.6	23.4	35.0

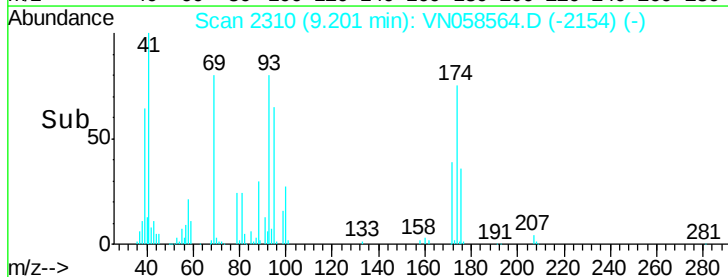
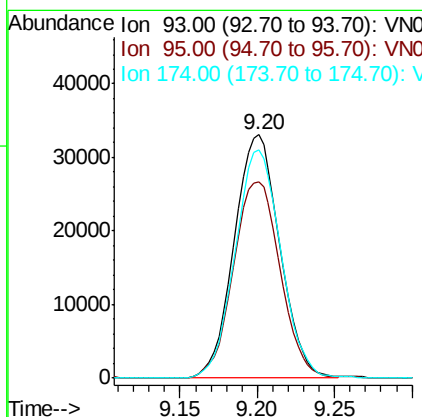
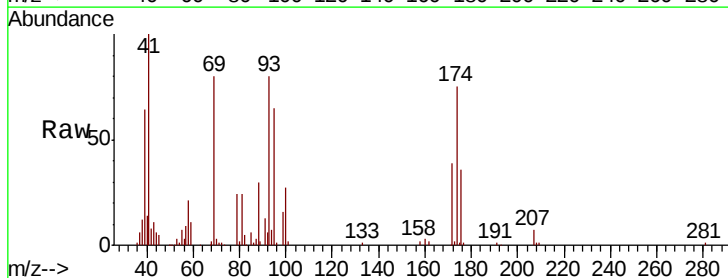
Manual Integrations
 APPROVED

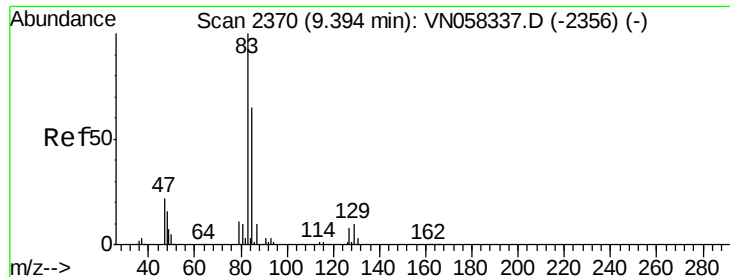
MMDadoda
 10/9/2019 10:50:30 AM



#40
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	93	Resp	67733
Ion Ratio	Lower	Upper	
93	100		
95	83.3	0.0	166.8
174	94.3	0.0	187.2





#41

Bromodichloromethane

Concen: 20.650 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

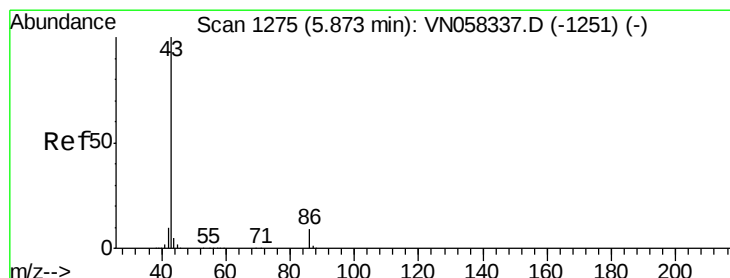
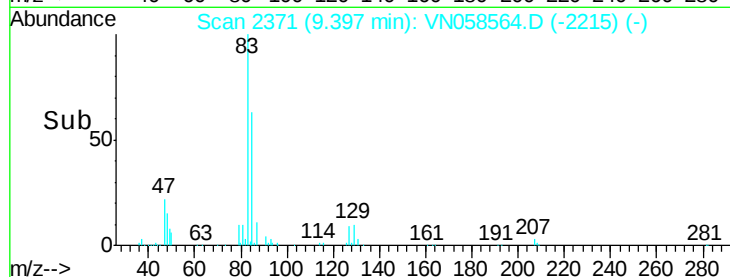
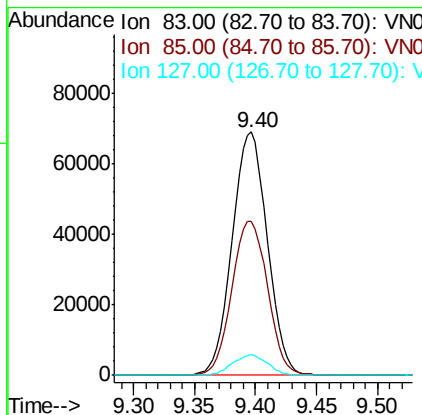
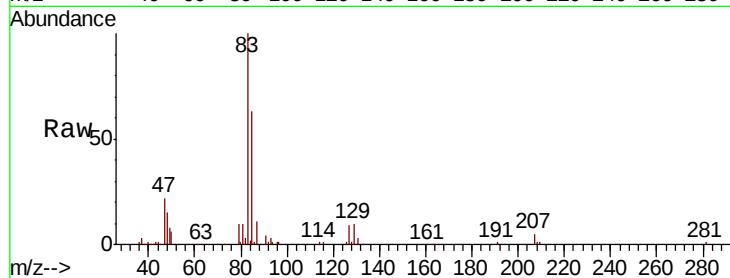
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	138122
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.0	78.0
127	8.7	6.1	9.1

Manual Integrations
APPROVED

MMDadoda
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#42

Vinyl Acetate

Concen: 111.487 ug/l

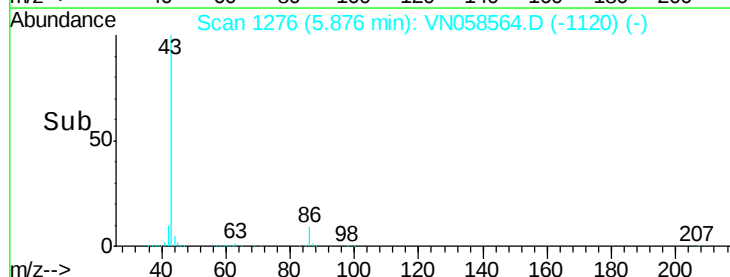
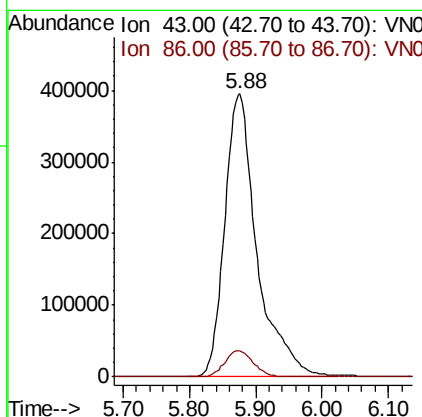
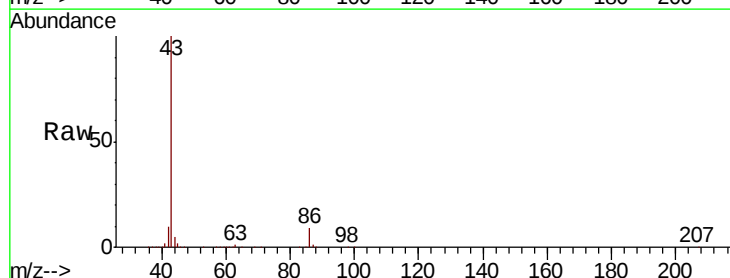
RT: 5.88 min Scan# 1276

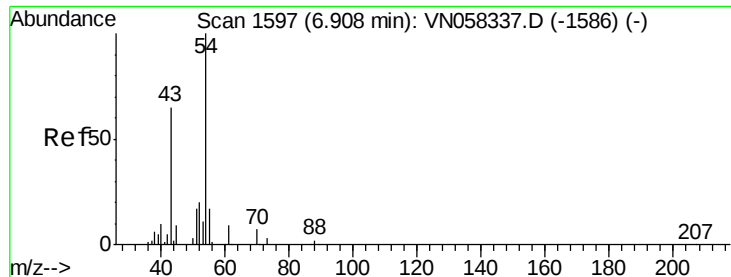
Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	43	Resp:	1339269
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.6	9.8





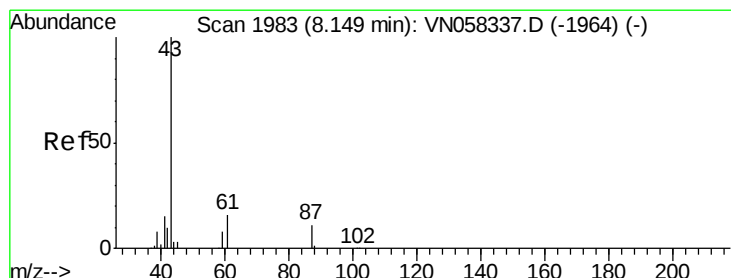
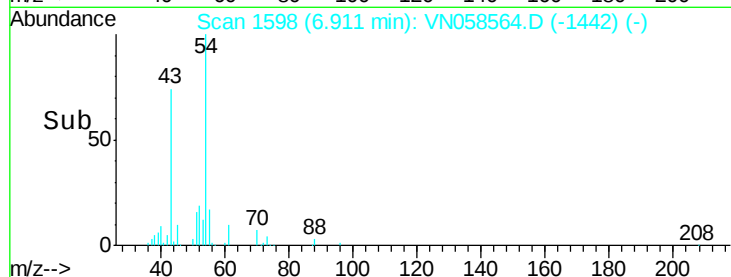
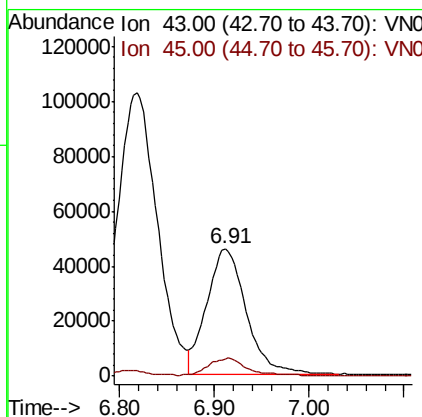
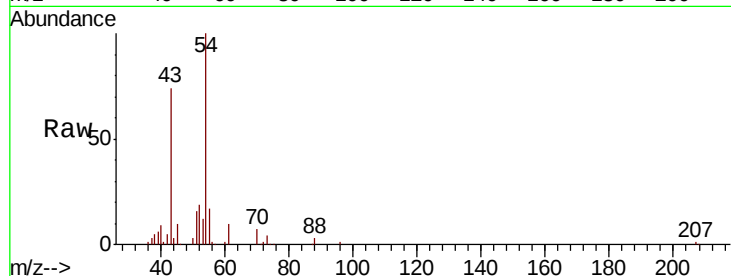
#43
Ethyl Acetate
Concen: 21.475 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
134152	100			
45	12.4	9.8	14.6	

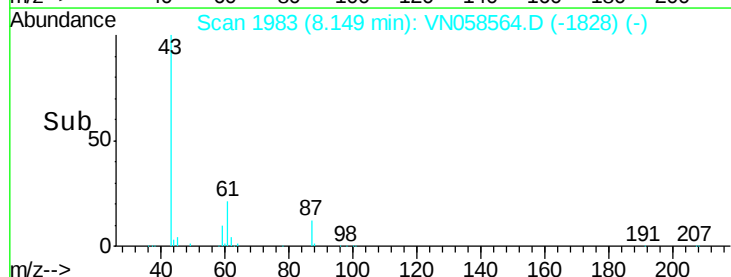
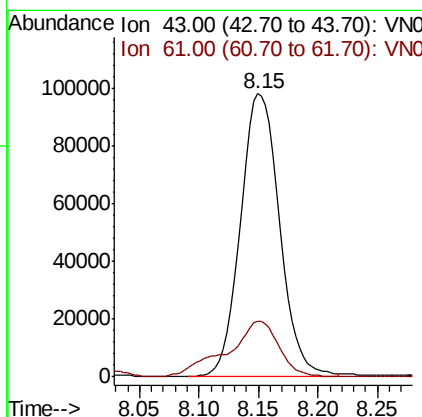
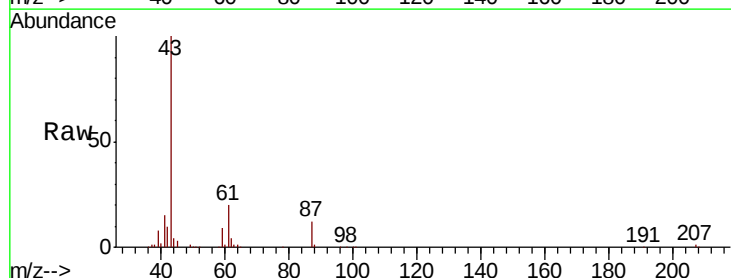
Manual Integrations
APPROVED

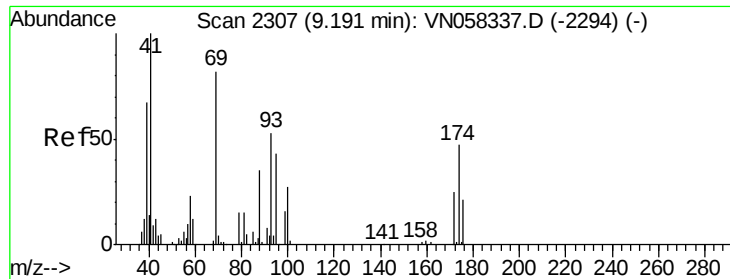
MMDadoda
10/9/2019 10:50:30 AM



#44
Isopropyl Acetate
Concen: 19.907 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	43	Ratio	Lower	Upper
222608	100			
61	25.9	14.4	21.6	





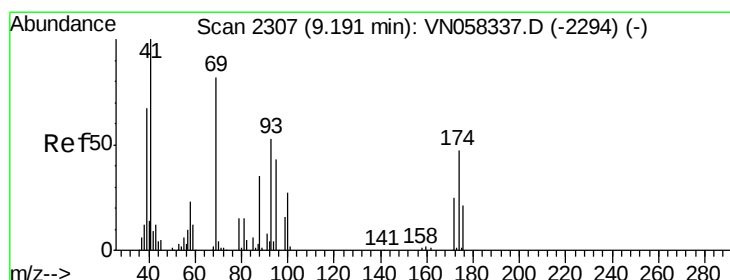
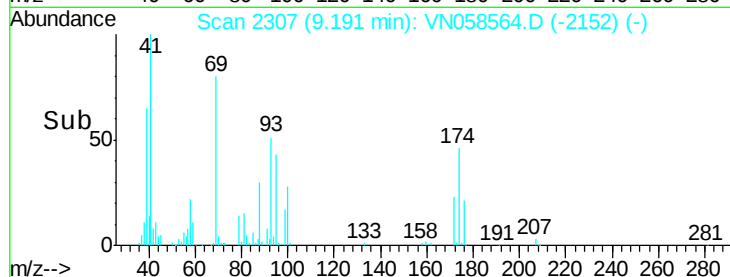
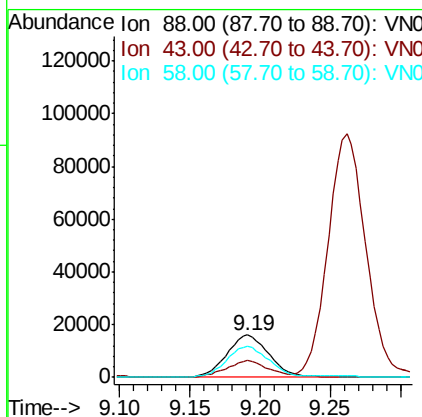
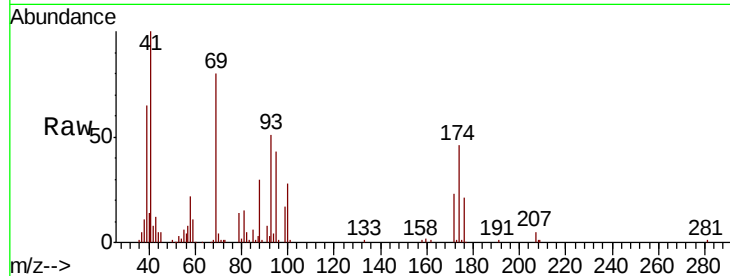
#45
1,4-Dioxane
Concen: 360.023 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	88	Resp	33964
Ion Ratio	Lower	Upper	
88	100		
43	38.7	27.2	40.8
58	73.7	55.4	83.0

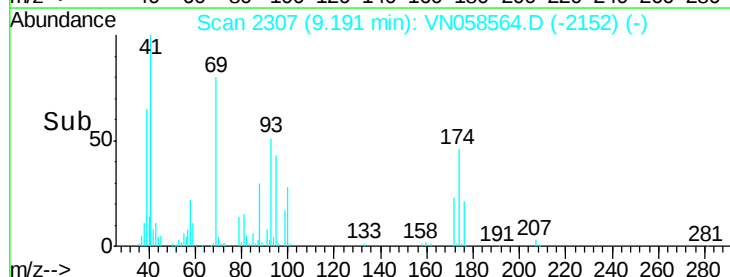
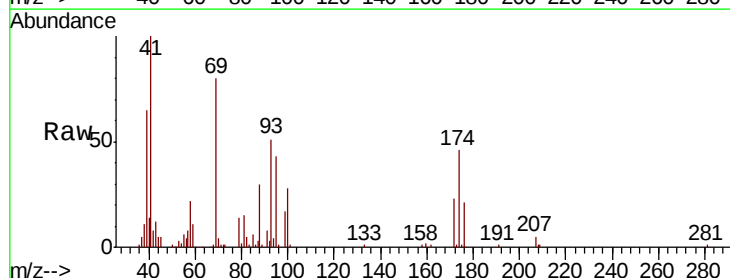
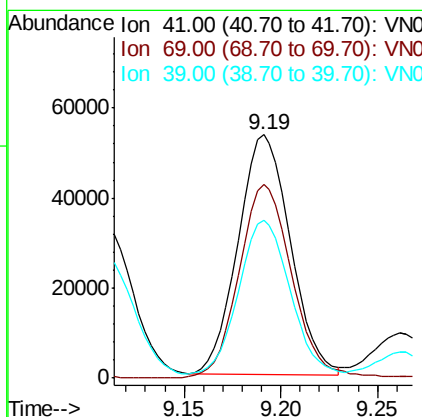
Manual Integrations
APPROVED

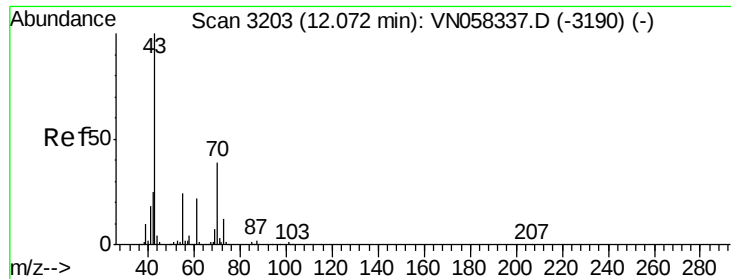
MMDadoda
10/9/2019 10:50:30 AM



#46
Methyl methacrylate
Concen: 18.890 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	41	Resp	100113
Ion Ratio	Lower	Upper	
41	100		
69	80.5	40.9	122.7
39	64.6	33.6	100.6





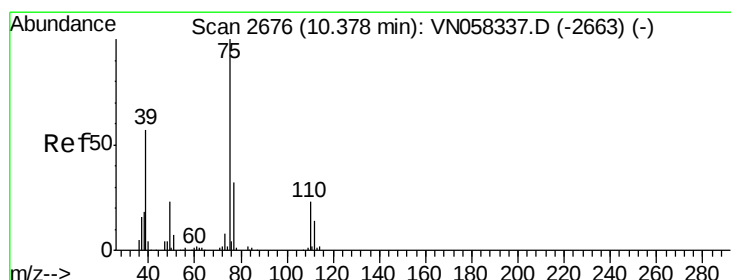
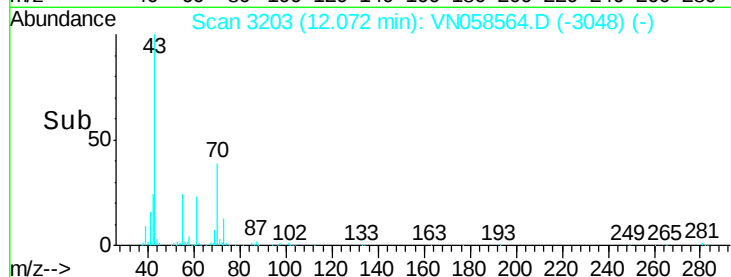
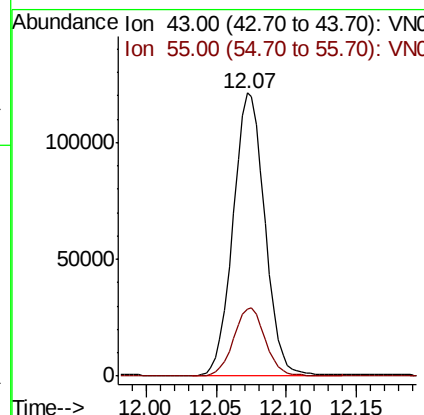
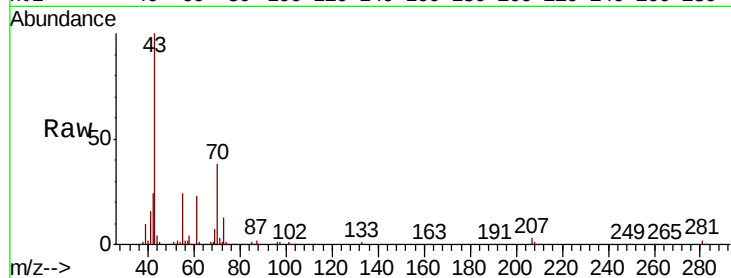
#47
n-amyl Acetate
Concen: 19.481 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	189621
Ion Ratio	Lower	Upper	
43	100		
55	24.1	19.0	28.4

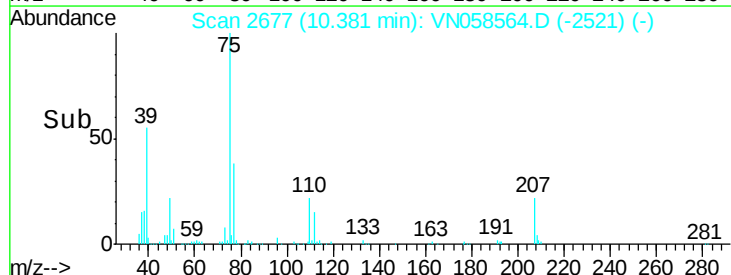
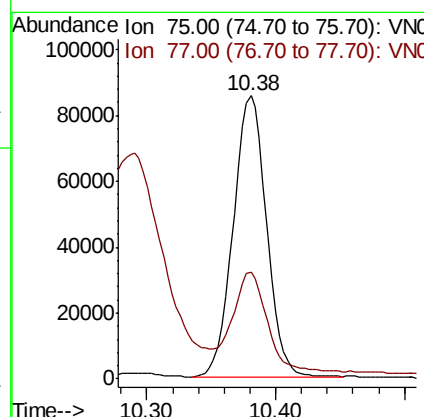
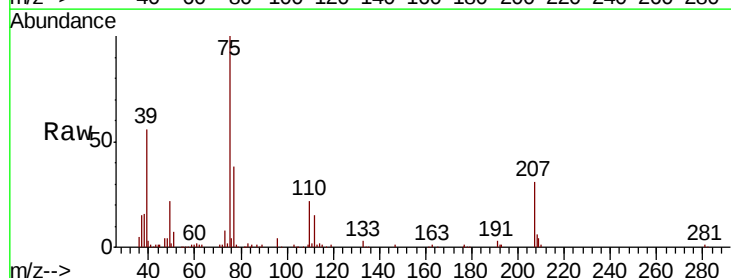
Manual Integrations
APPROVED

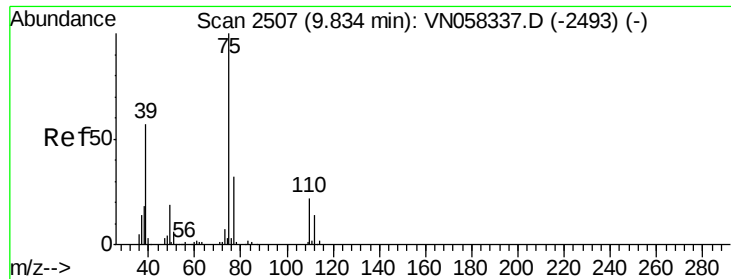
MMDadoda
10/9/2019 10:50:30 AM



#48
t-1,3-Dichloropropene
Concen: 20.849 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	75	Resp	152375
Ion Ratio	Lower	Upper	
75	100		
77	35.2	25.4	38.0





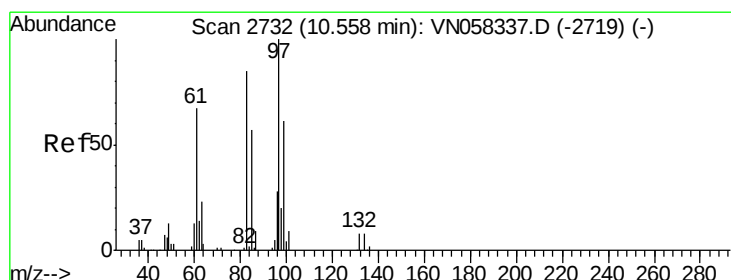
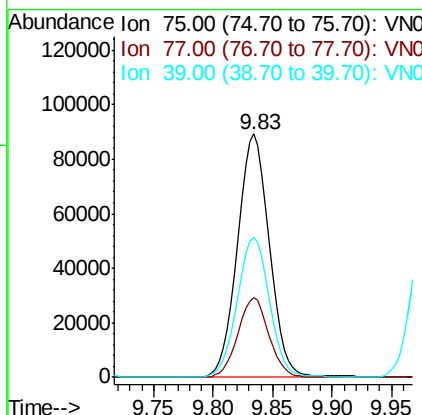
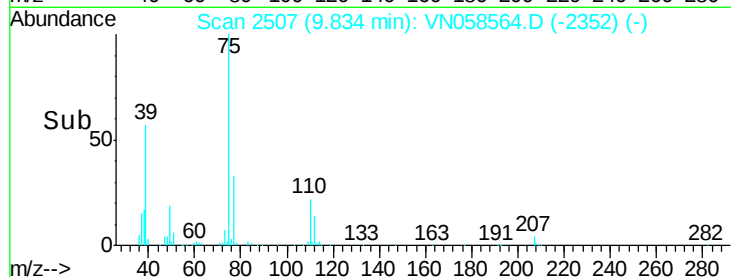
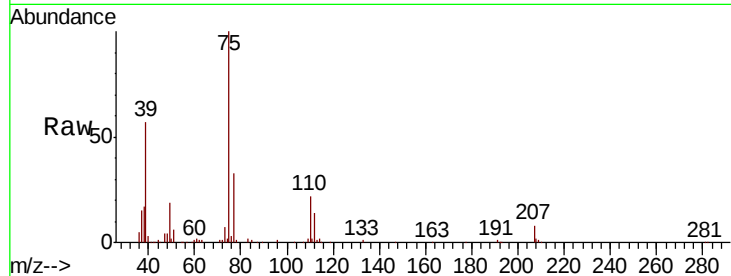
#49
 cis-1,3-Dichloropropene
 Concen: 20.417 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	166139
Ion Ratio	Lower	Upper	
75	100		
77	32.8	25.2	37.8
39	57.3	45.8	68.6

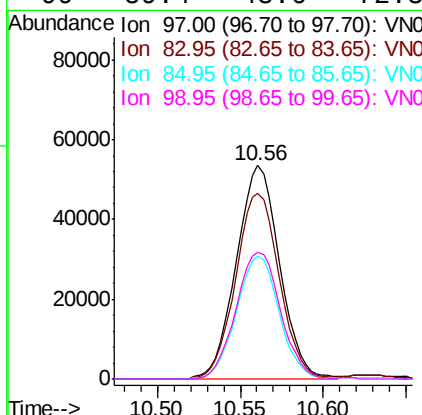
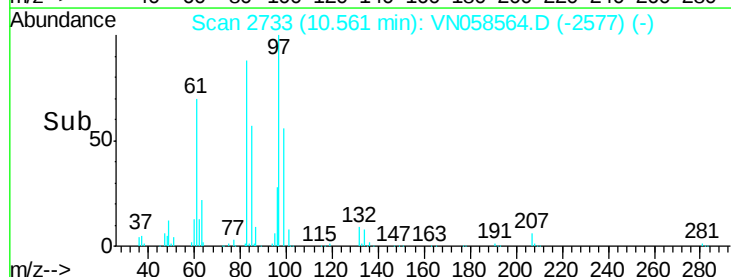
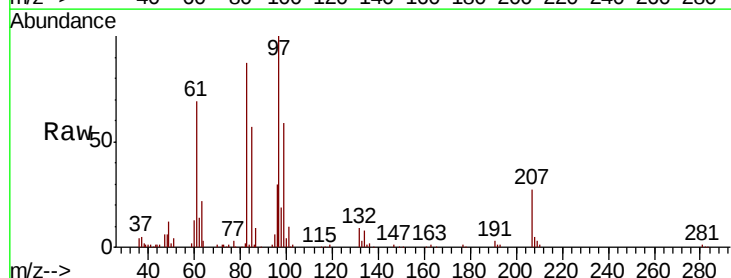
Manual Integrations
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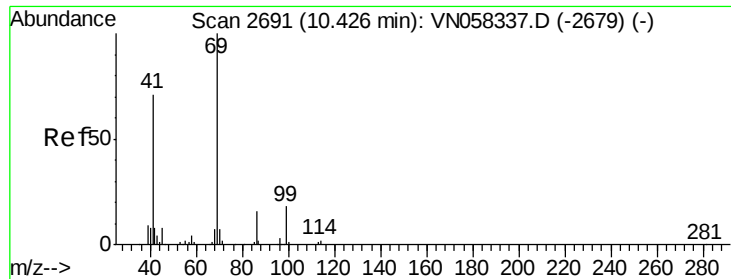
MMDadoda
 10/9/2019 10:50:30 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.571 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion:	97	Resp:	97286
Ion Ratio	Lower	Upper	
97	100		
83	86.9	67.8	101.6
85	57.5	45.8	68.6
99	59.4	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.015 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

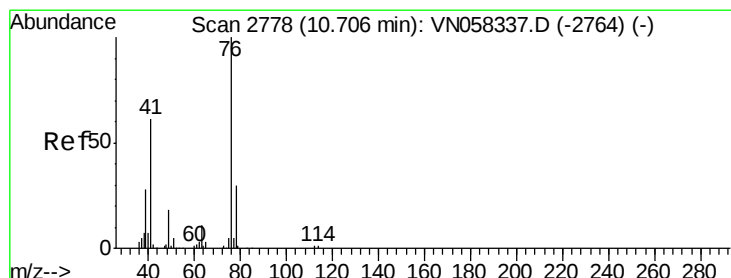
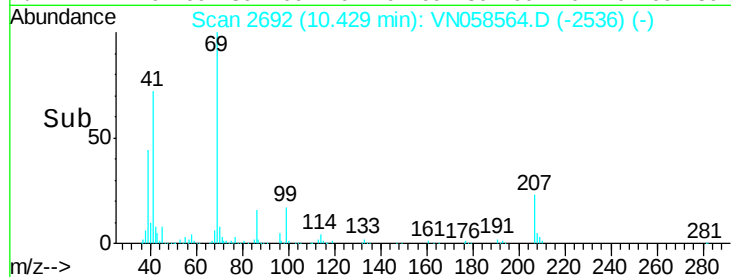
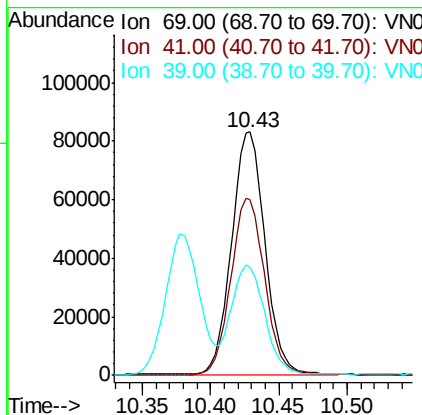
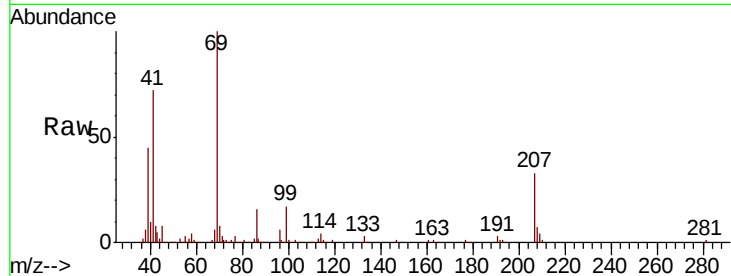
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	142284
Ion	Ratio	Lower	Upper
69	100		
41	71.7	35.4	106.1
39	44.0	23.5	70.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.274 ug/l

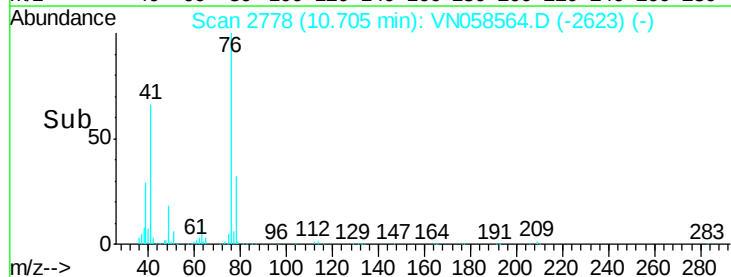
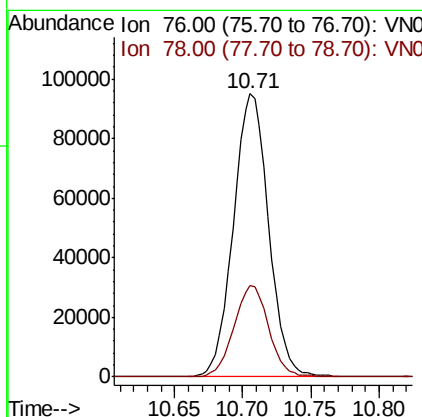
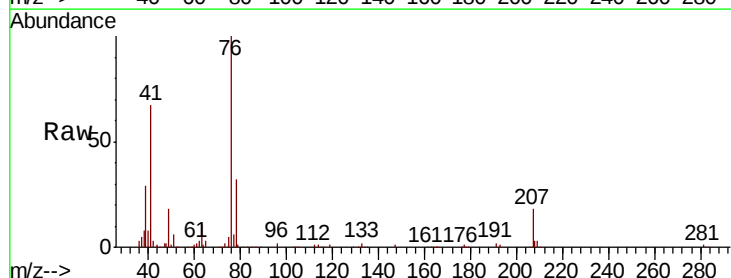
RT: 10.71 min Scan# 2778

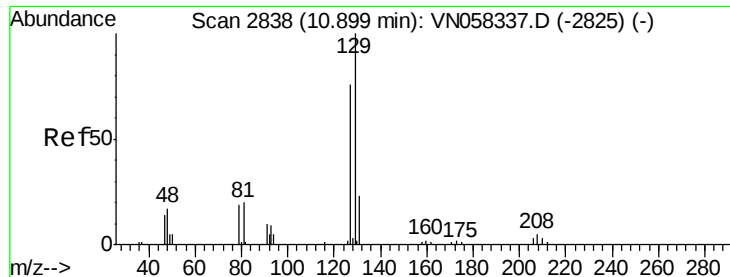
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	76	Resp:	170285
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.0





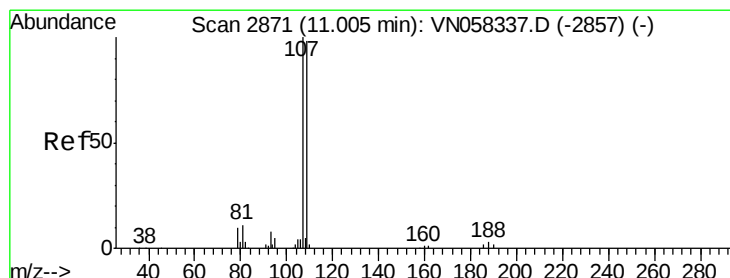
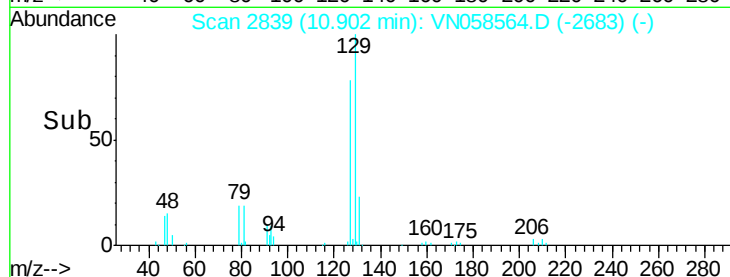
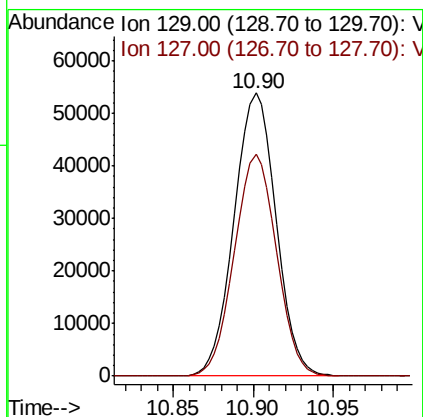
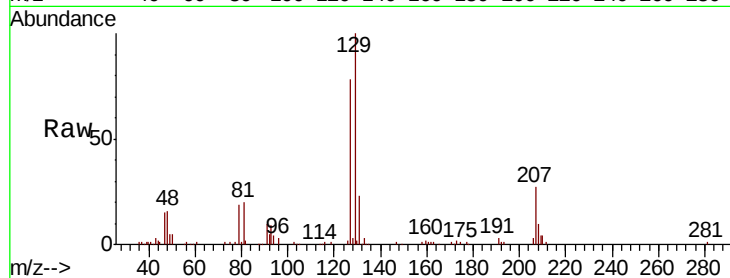
#53
Dibromochloromethane
Concen: 20.312 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 96504
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.2

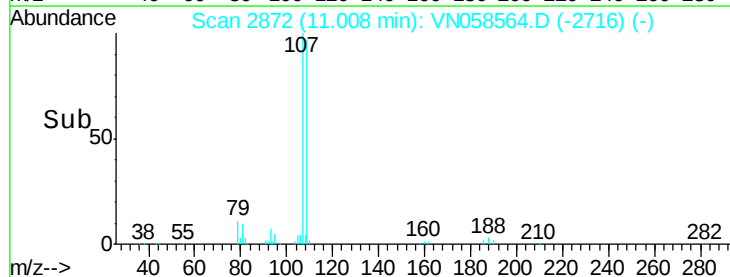
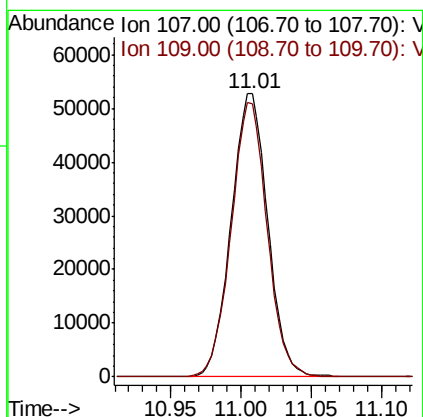
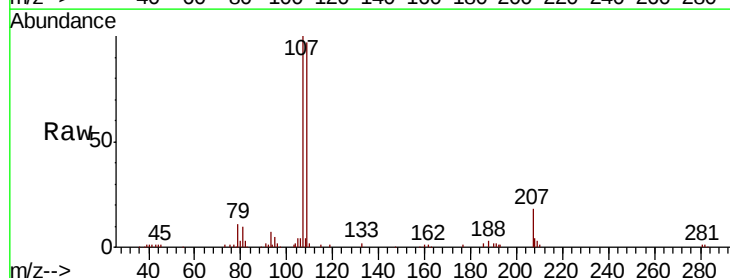
Manual Integrations
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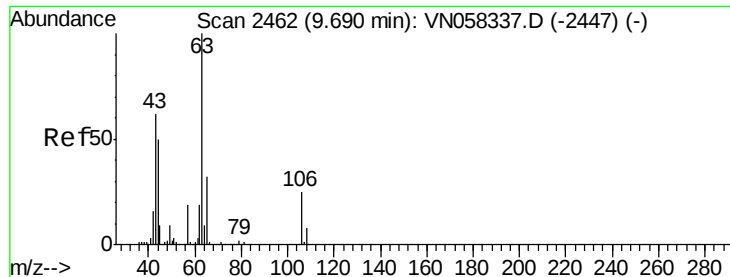
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#54
1,2-Dibromoethane
Concen: 19.872 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion:107 Resp: 95906
Ion Ratio Lower Upper
107 100
109 95.2 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 114.242 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 361959

Ion Ratio Lower Upper

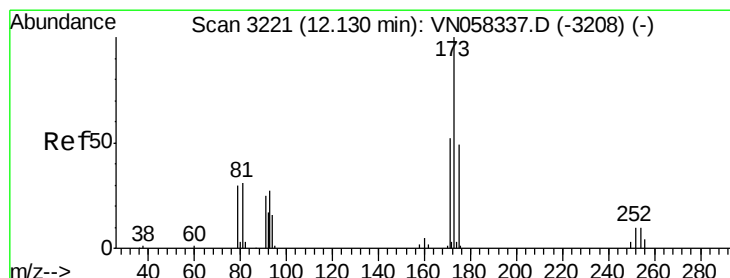
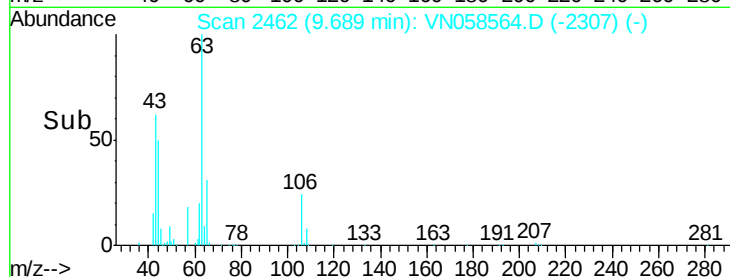
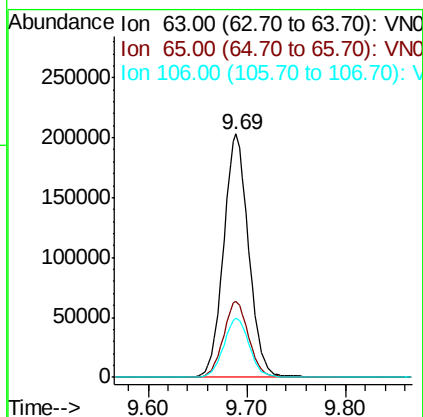
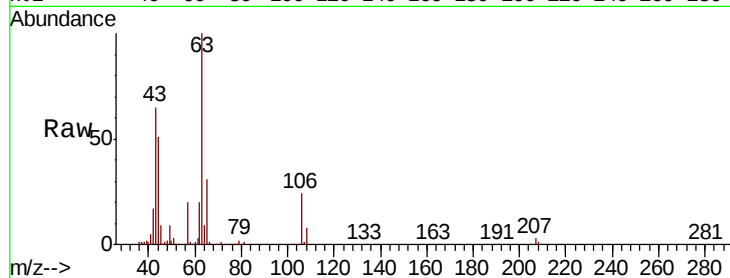
63 100

65 31.4 25.4 38.2

106 24.6 20.4 30.6

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#56

Bromoform

Concen: 20.553 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

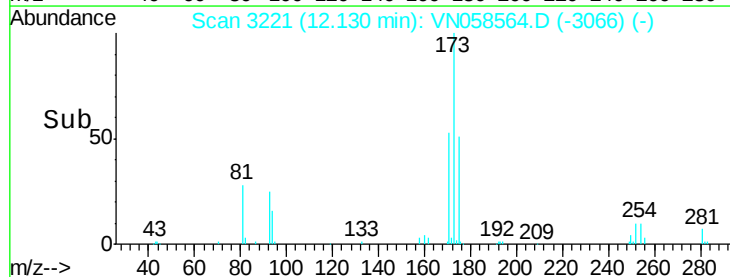
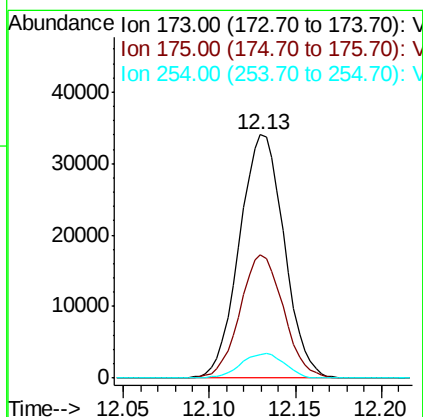
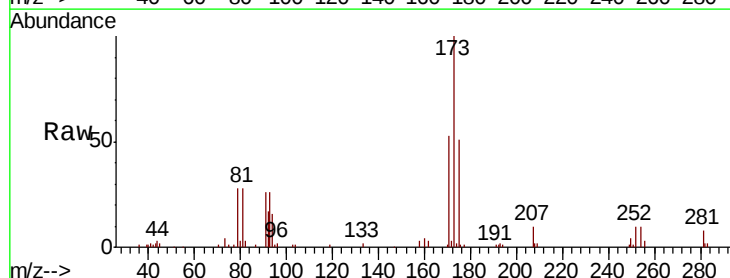
Tgt Ion: 173 Resp: 61594

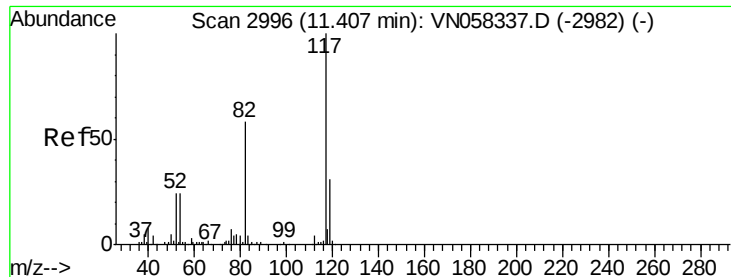
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 9.8 7.8 11.8





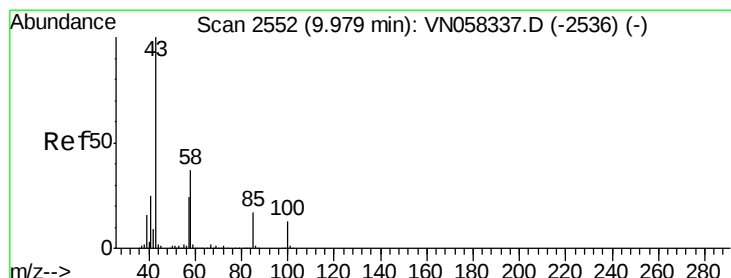
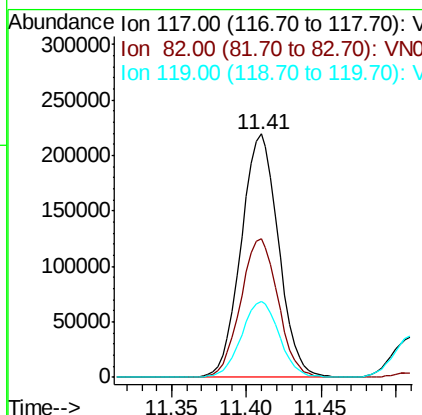
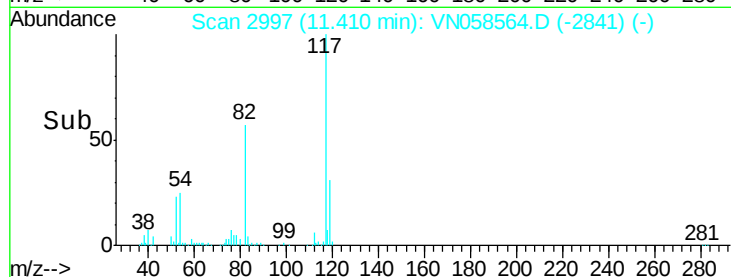
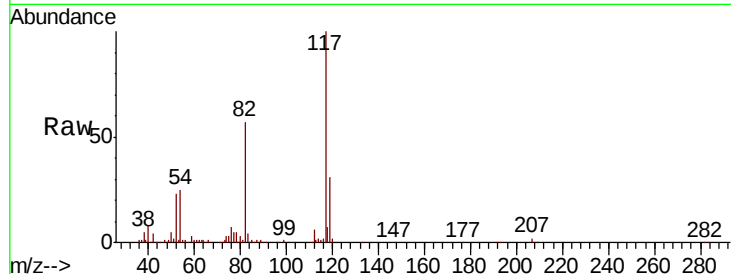
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	31.8	25.1	37.7

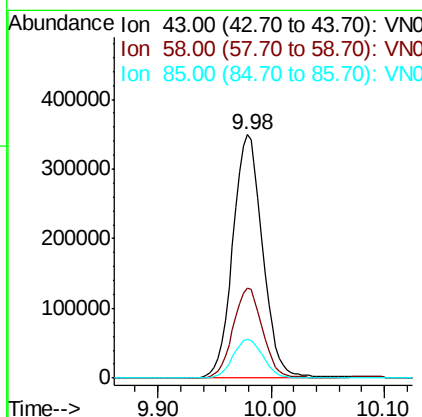
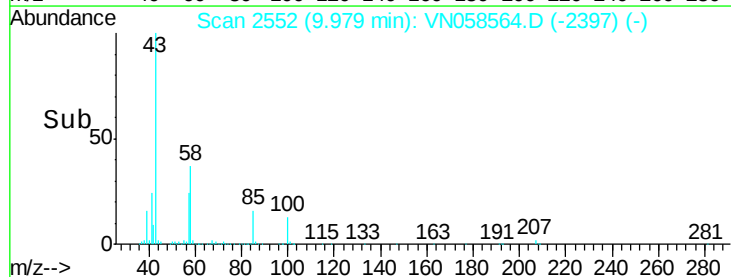
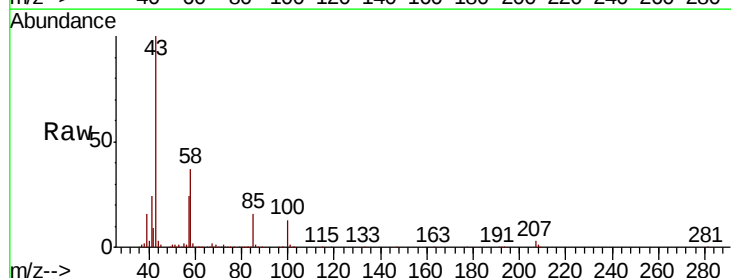
Manual Integrations
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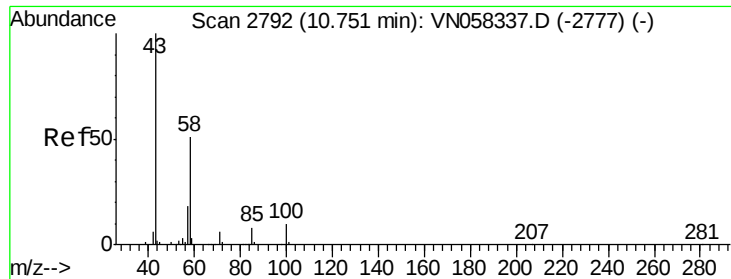
MMDadoda
10/9/2019 10:50:30 AM



#58
4-Methyl-2-Pentanone
Concen: 107.034 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.3	43.9
85	16.3	13.1	19.7





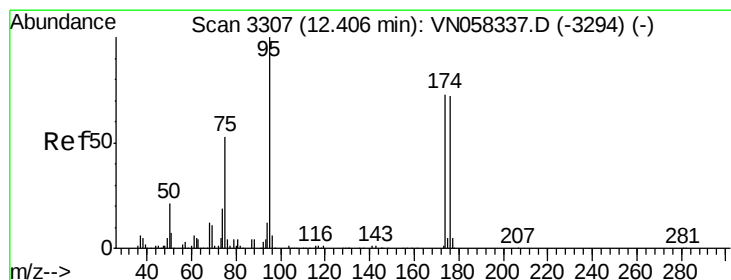
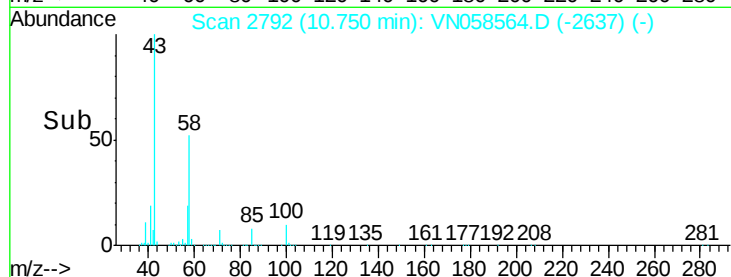
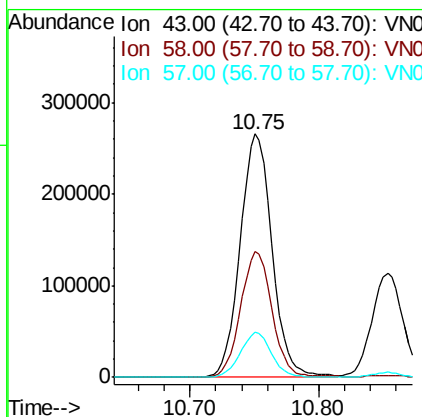
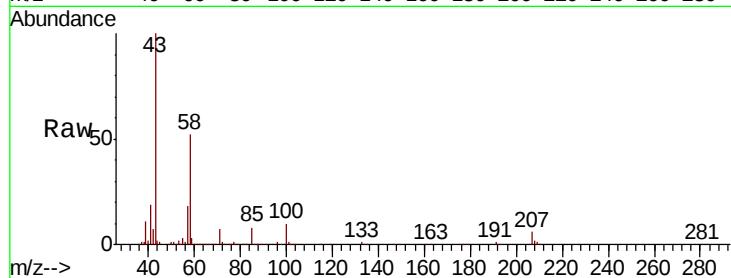
#59
2-Hexanone
Concen: 100.963 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.7	61.1
57	18.2	14.7	22.1

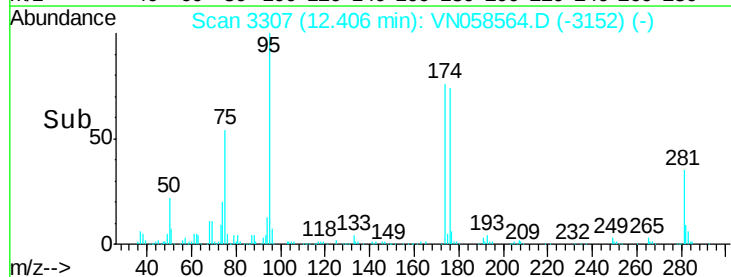
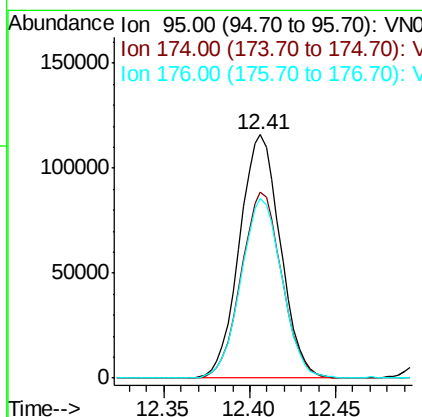
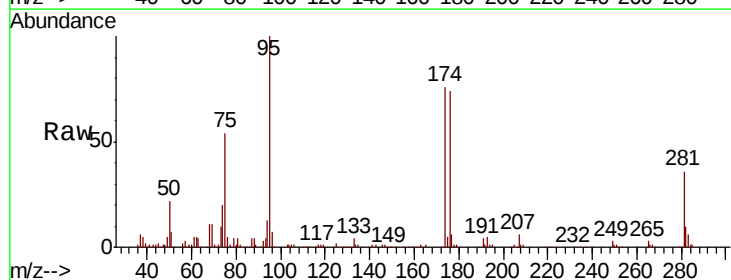
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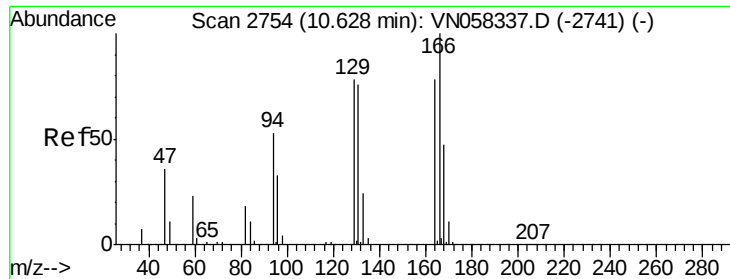
MMDadoda
10/9/2019 10:50:30 AM



#60
4-Bromofluorobenzene
Concen: 29.087 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.0	88.6
176	73.6	58.2	87.2





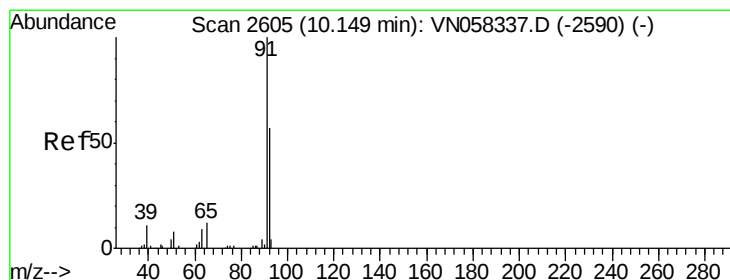
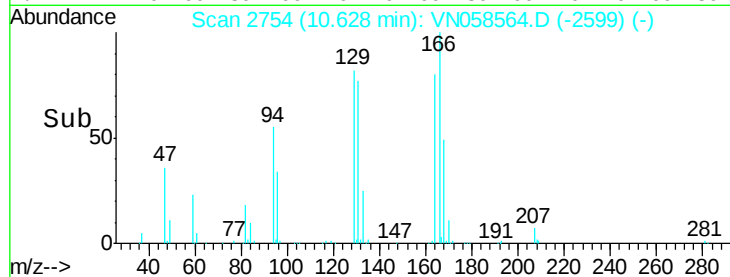
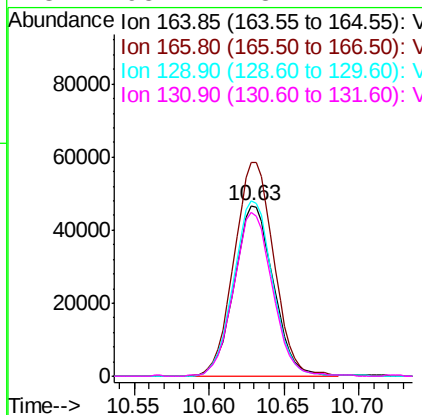
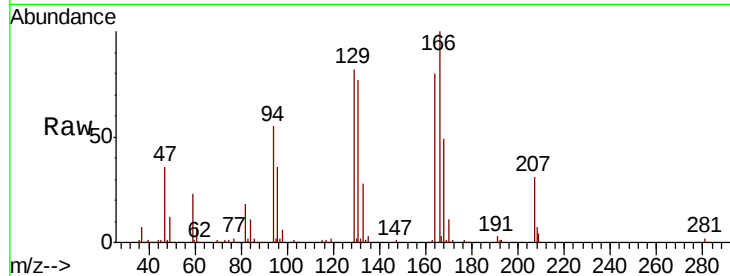
#61
Tetrachloroethene
Concen: 21.259 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.6	154.0
129	102.6	79.8	119.6
131	95.2	78.1	117.1

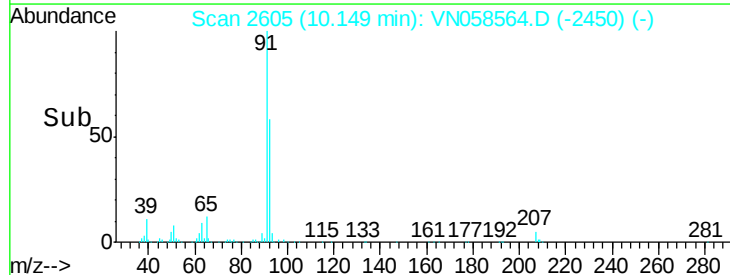
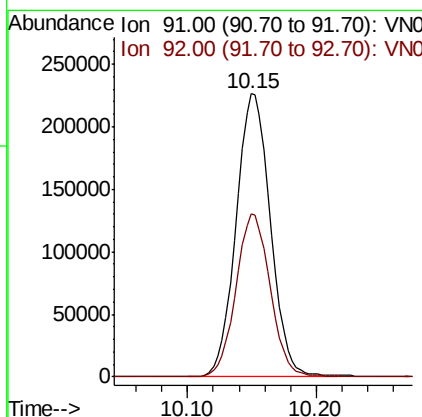
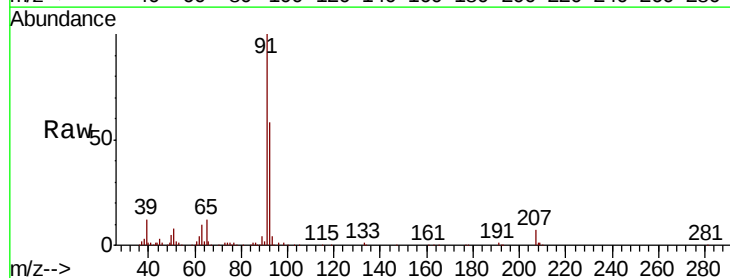
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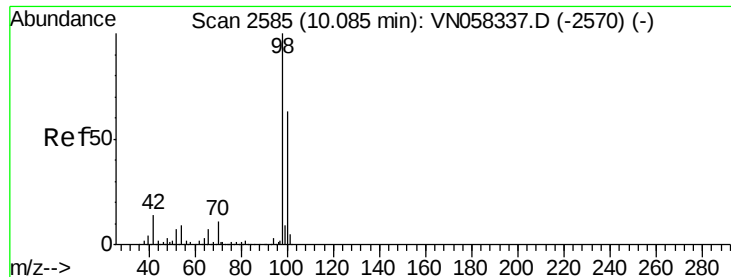
MMDadoda
10/9/2019 10:50:30 AM



#62
Toluene
Concen: 20.086 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	45.5	68.3





#63

Toluene-d8

Concen: 29.592 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 538737

Ion Ratio Lower Upper

98 100

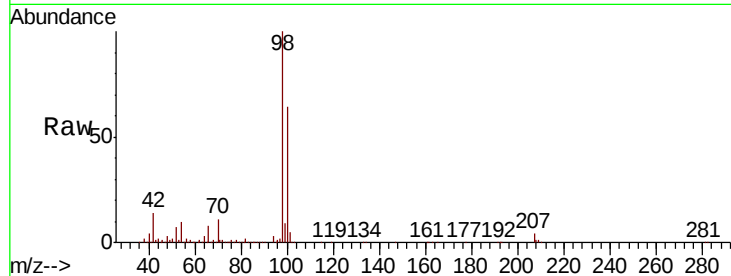
100 64.0 50.2 75.2

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Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)

10.08

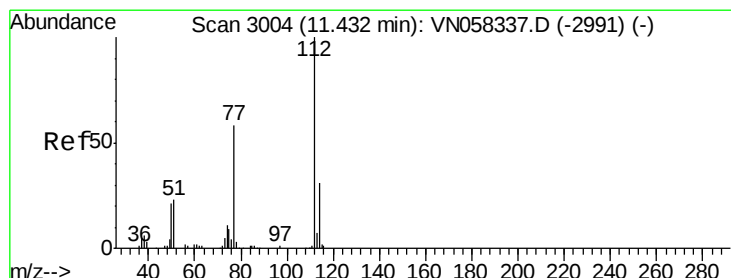
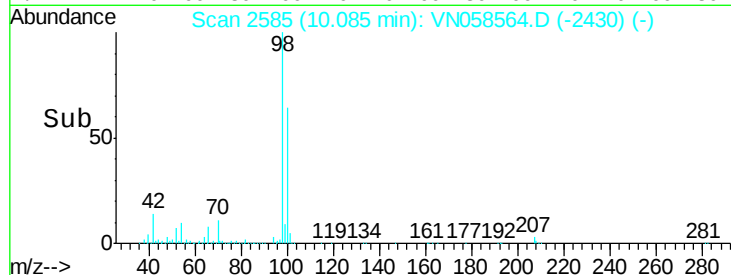
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.128 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058564.D

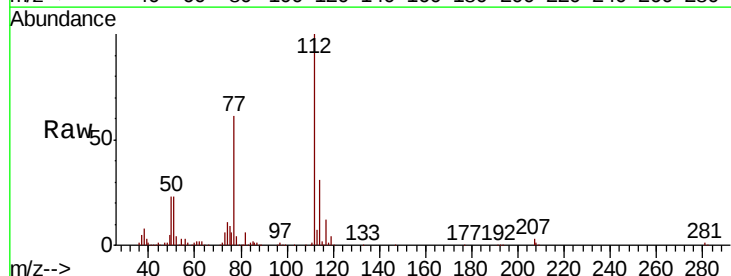
Acq: 7 Oct 2019 14:01

Tgt Ion: 112 Resp: 258429

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)

11.44

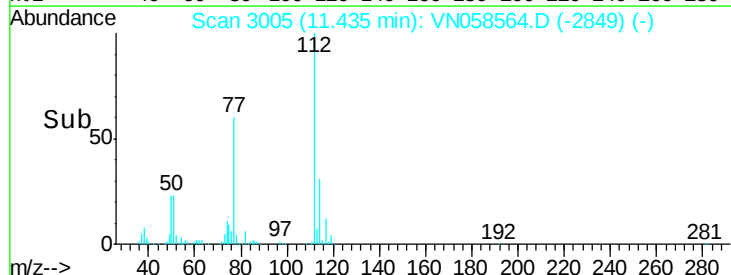
150000

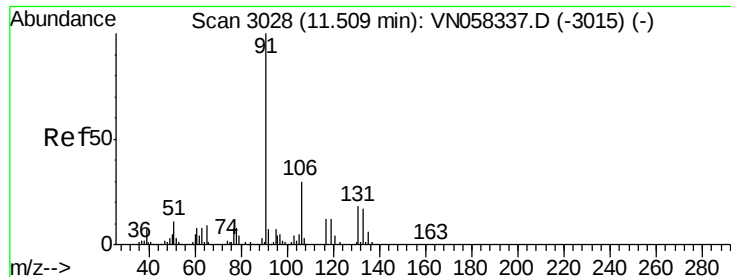
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.853 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

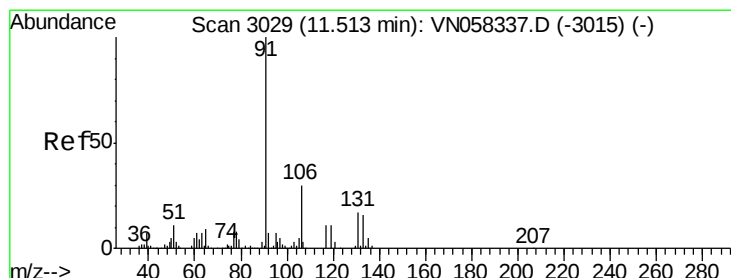
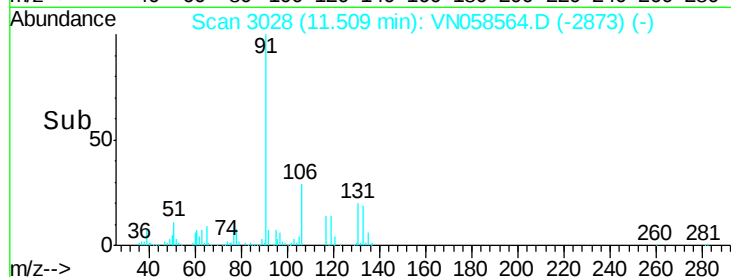
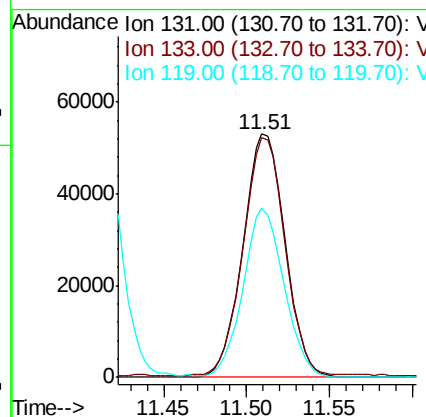
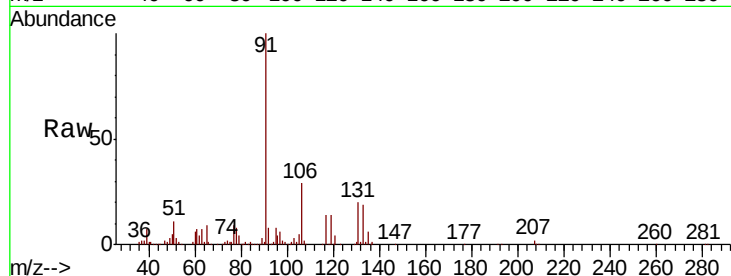
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	93858
Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	191.8
119	67.7	0.0	134.2

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#66

Ethyl Benzene

Concen: 20.810 ug/l

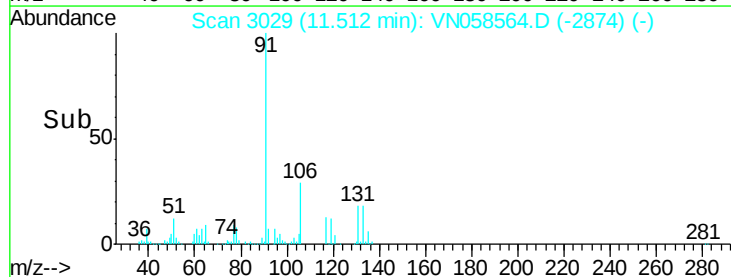
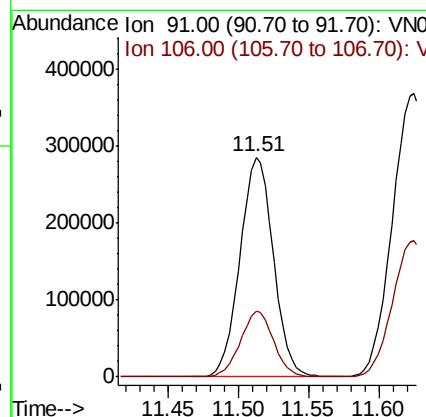
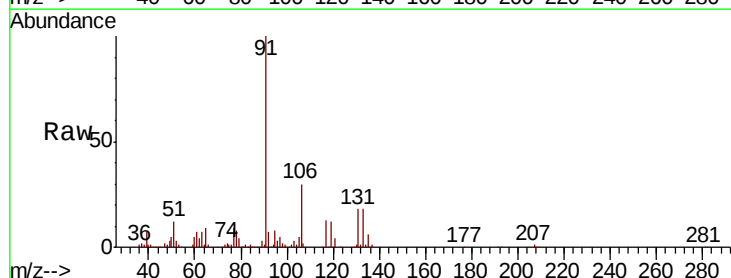
RT: 11.51 min Scan# 3029

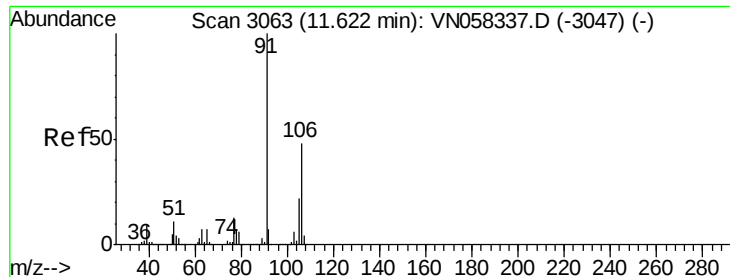
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	91	Resp:	474098
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.4





#67

m/p-Xvlenes

Concen: 39.240 ug/l

RT: 11.62 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 343212

Ion Ratio Lower Upper

106 100

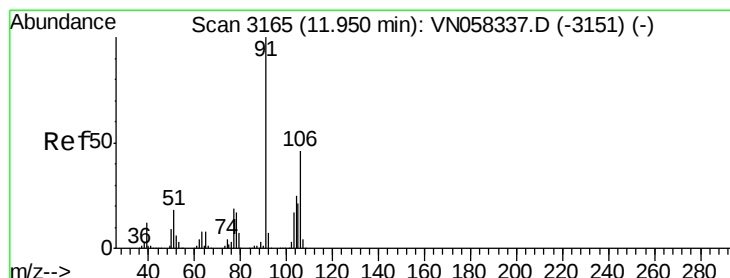
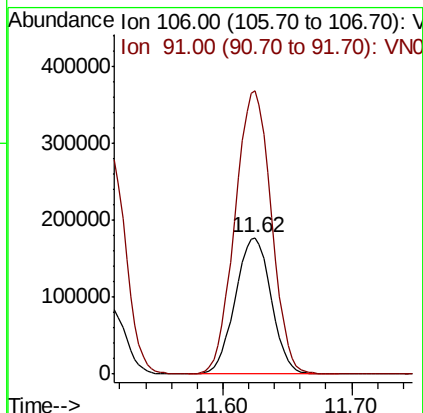
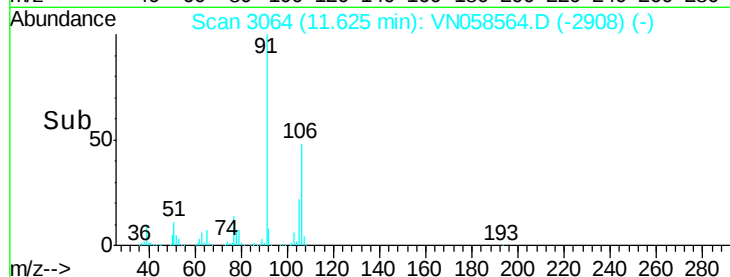
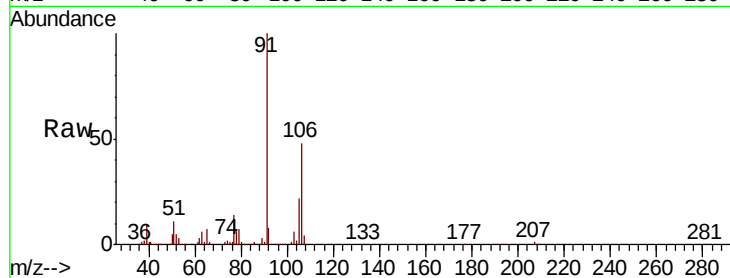
91 209.3 167.8 251.6

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#68

o-Xylene

Concen: 19.631 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058564.D

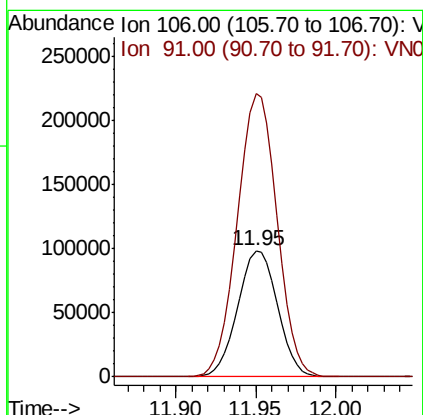
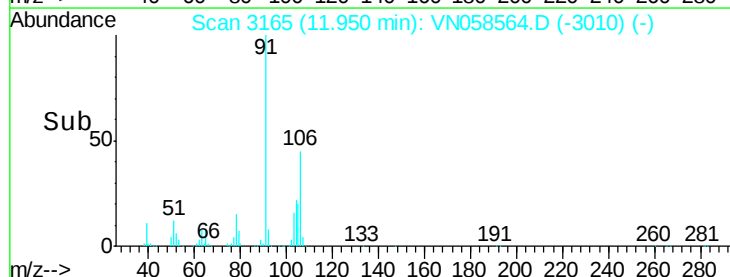
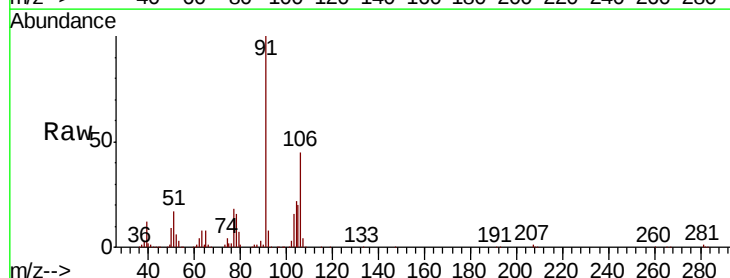
Acq: 7 Oct 2019 14:01

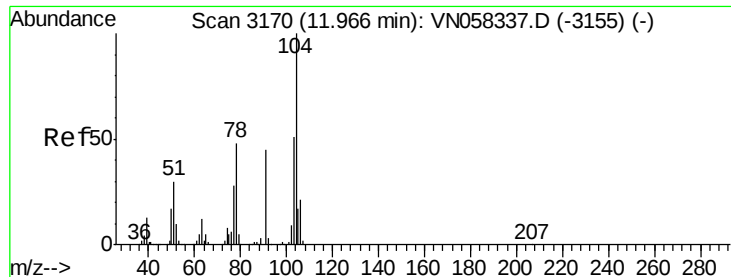
Tgt Ion:106 Resp: 166960

Ion Ratio Lower Upper

106 100

91 223.5 108.7 325.9





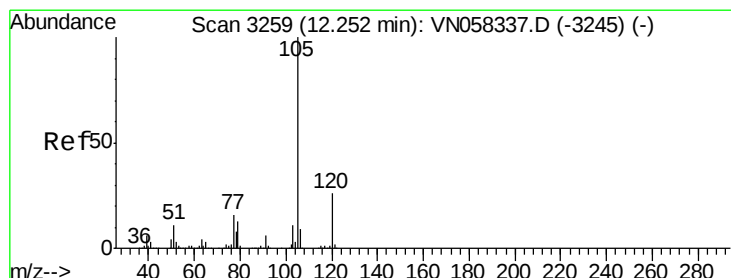
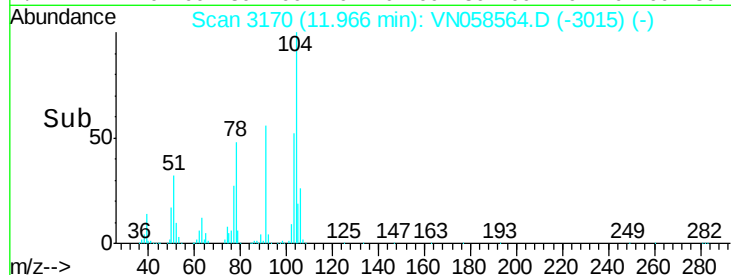
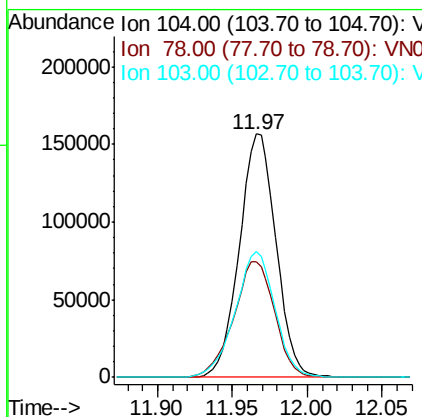
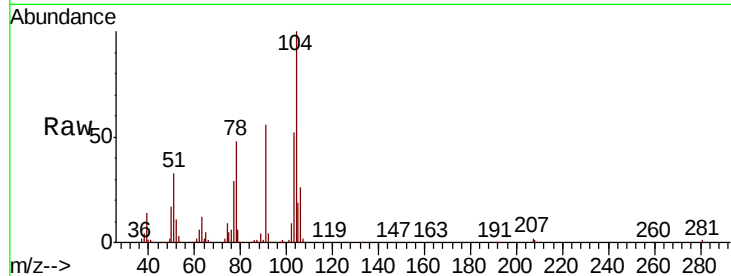
#69
Stvrene
Concen: 18.863 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.3	63.5
103	55.8	44.1	66.1

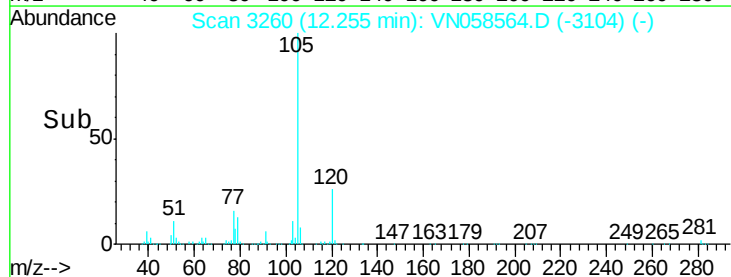
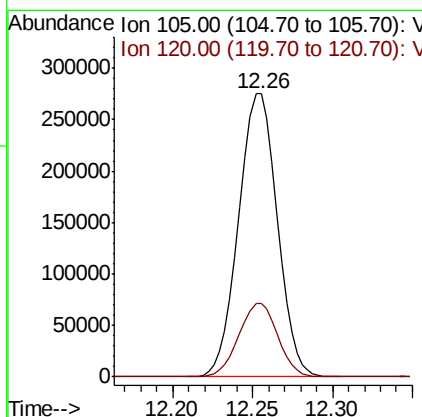
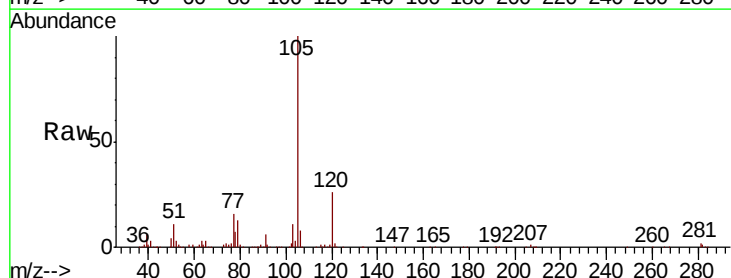
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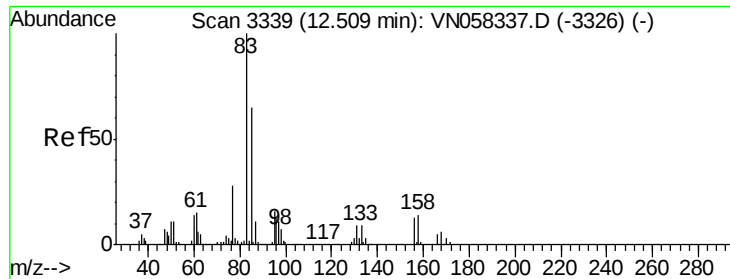
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#70
Isopropylbenzene
Concen: 20.595 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.2	33.8





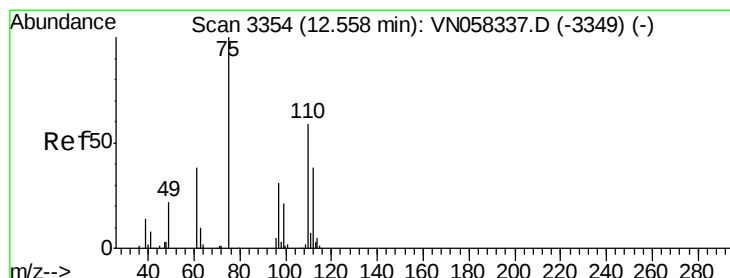
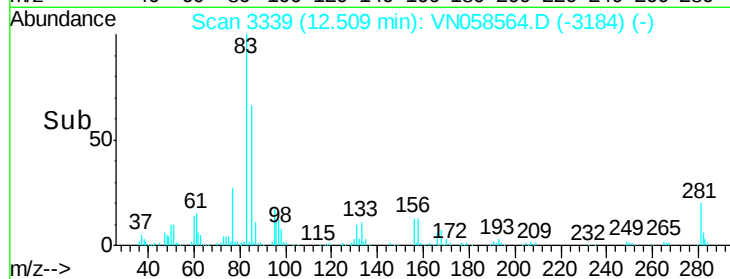
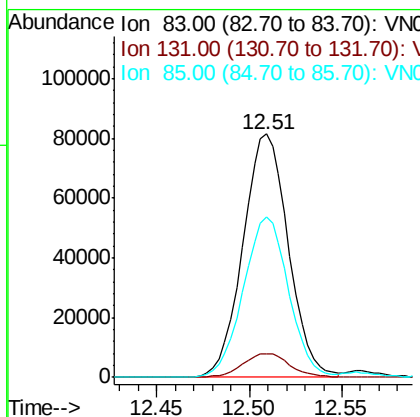
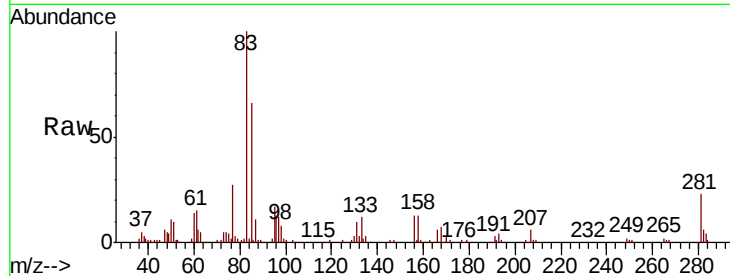
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.831 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.2	4.8	14.3	
85	65.9	32.6	97.7	

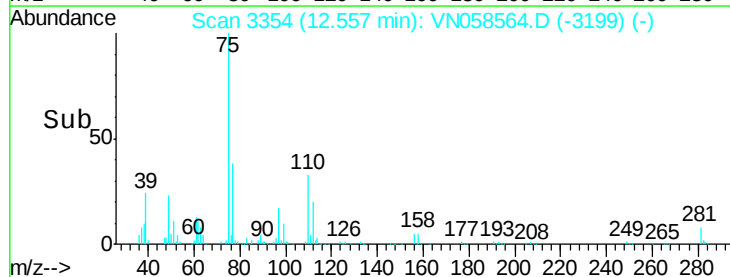
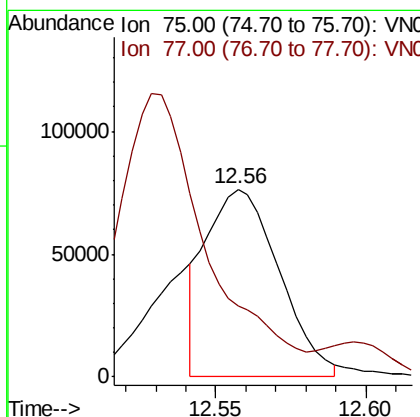
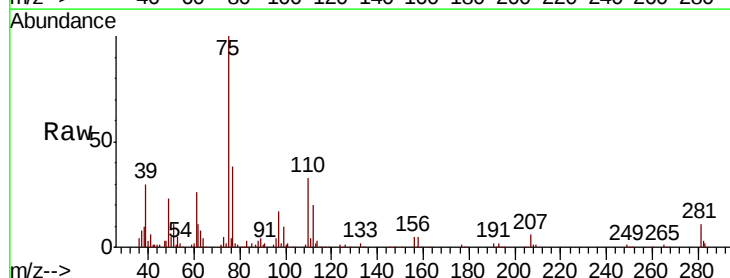
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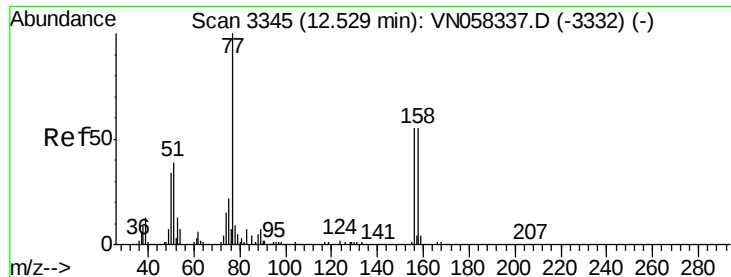
MMDadoda
 10/9/2019 10:50:30 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.455 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	184.5	0.0	382.4	





#73

Bromobenzene

Concen: 19.692 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

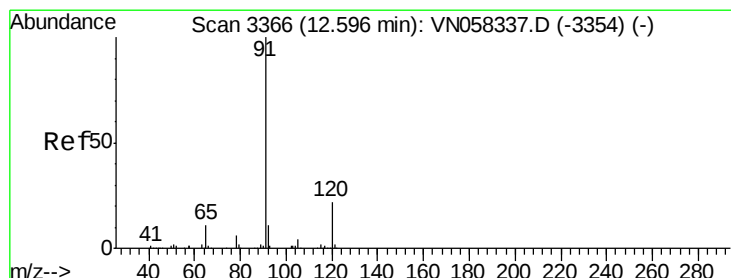
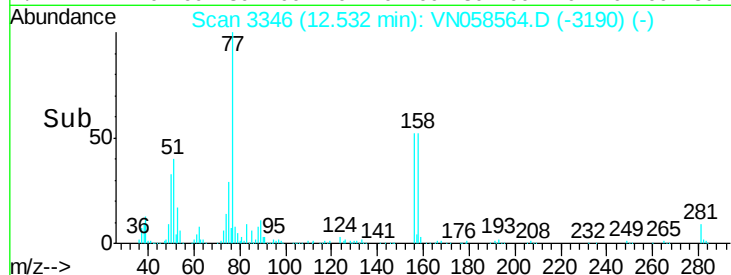
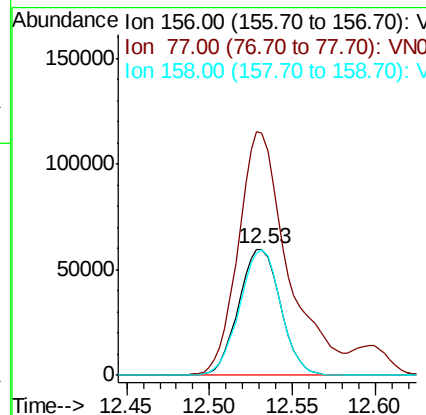
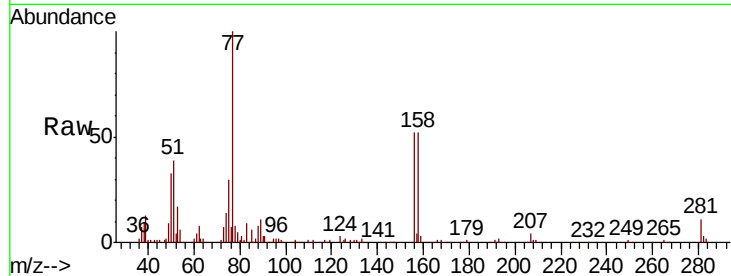
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	105124
Ion Ratio	Lower	Upper	
156	100		
77	226.8	0.0	438.8
158	97.9	0.0	195.6

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#74

n-propylbenzene

Concen: 20.804 ug/l

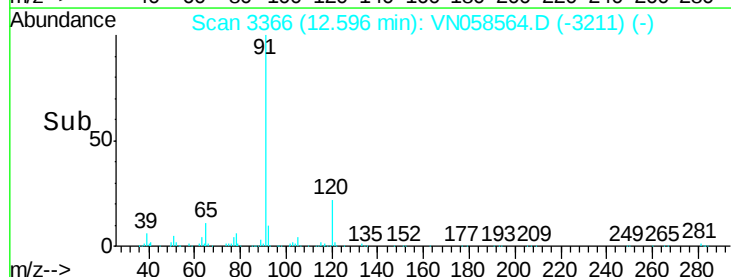
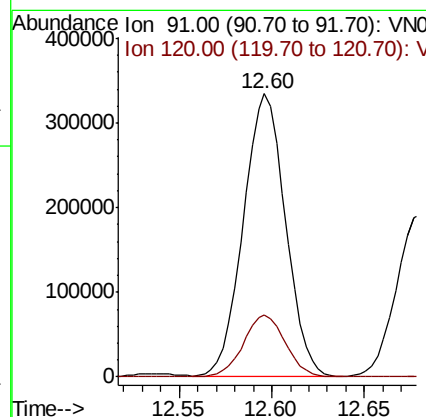
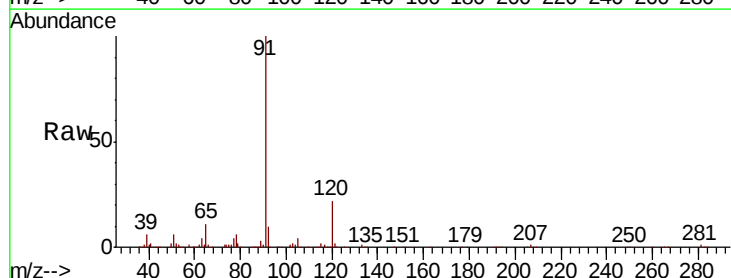
RT: 12.60 min Scan# 3366

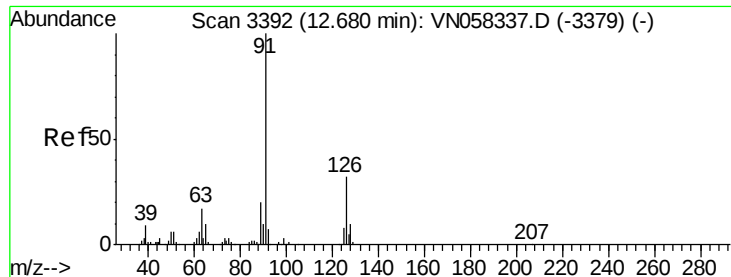
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	91	Resp:	528584
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 317967

Ion Ratio Lower Upper

91 100

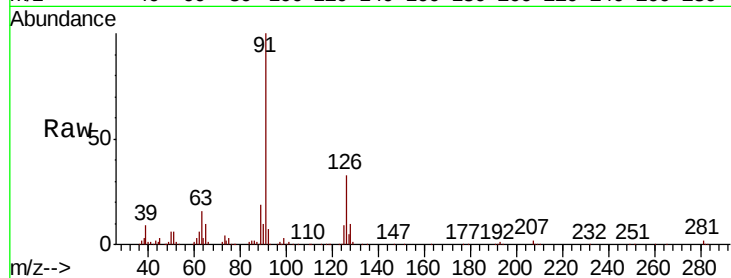
126 31.9 0.0 65.0

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Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

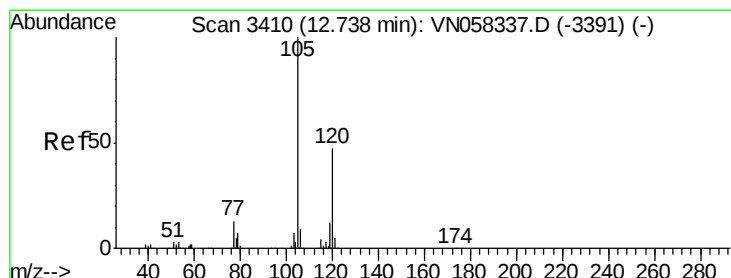
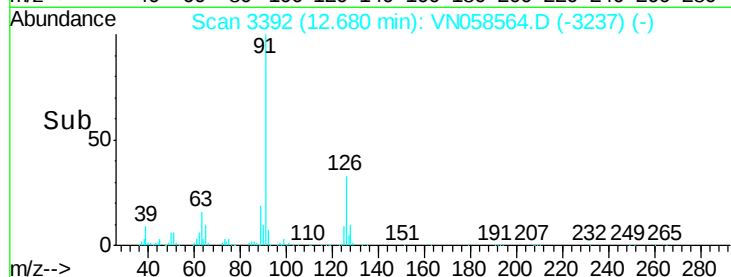
200000

100000

0

12.68

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 19.967 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058564.D

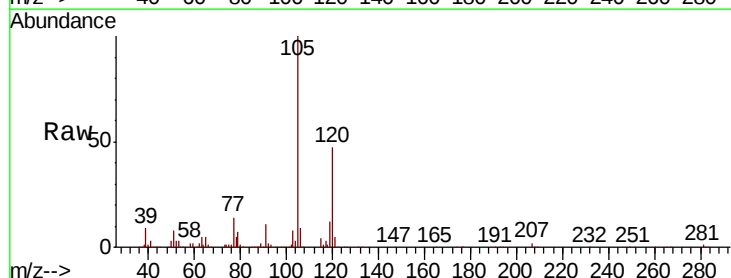
Acq: 7 Oct 2019 14:01

Tgt Ion: 105 Resp: 378914

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

250000

200000

150000

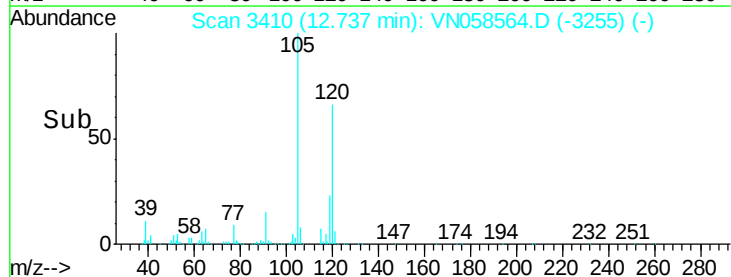
100000

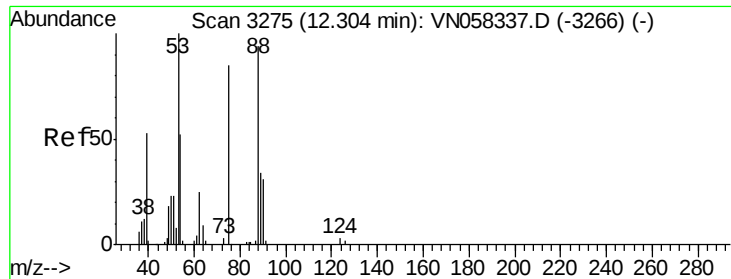
50000

0

12.74

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 19.318 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 37962

Ion Ratio Lower Upper

75 100

53 101.8 59.0 176.8

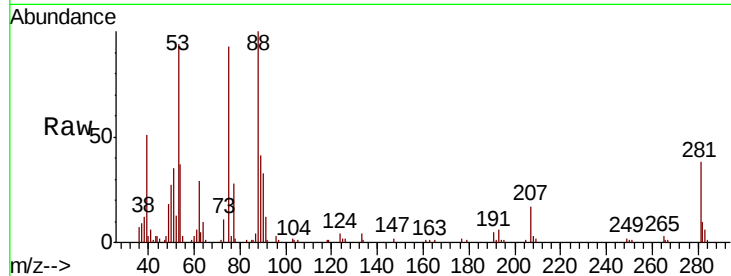
89 43.8 21.6 65.0

Manual Integrations

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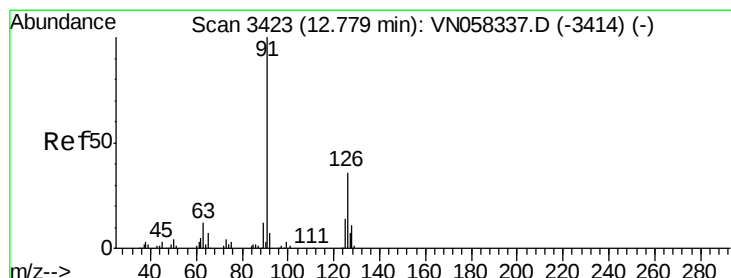
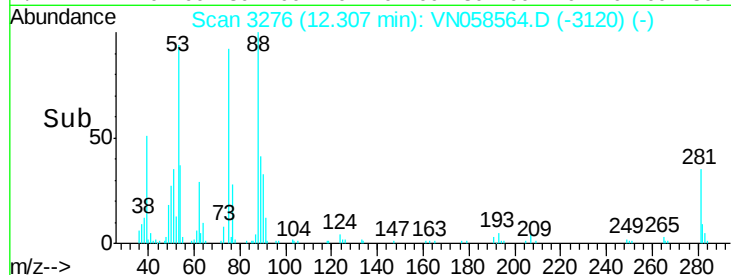
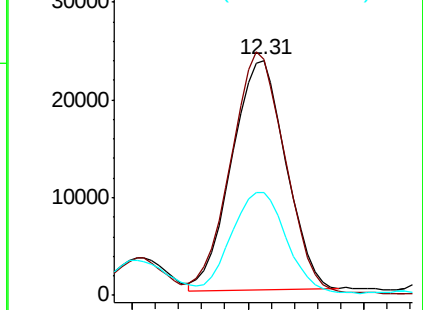
10/9/2019 10:50:30 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.679 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058564.D

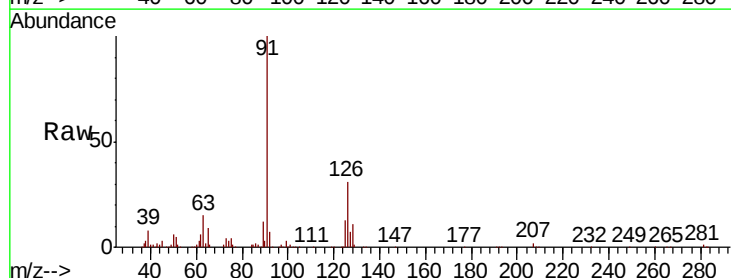
Acq: 7 Oct 2019 14:01

Tgt Ion: 91 Resp: 320559

Ion Ratio Lower Upper

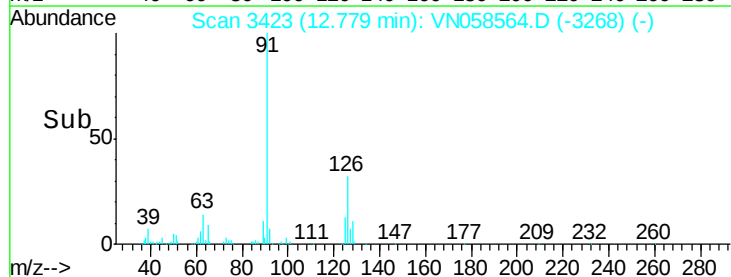
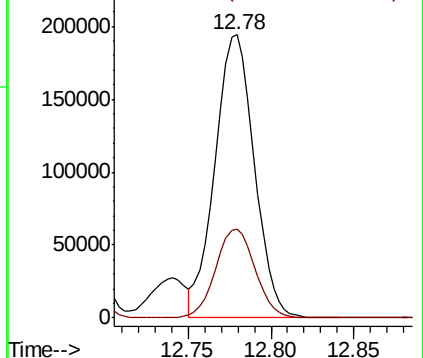
91 100

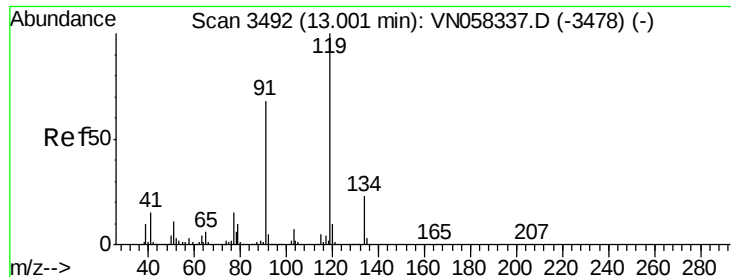
126 31.5 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.371 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

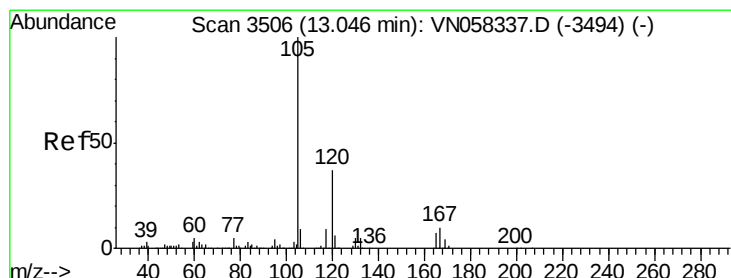
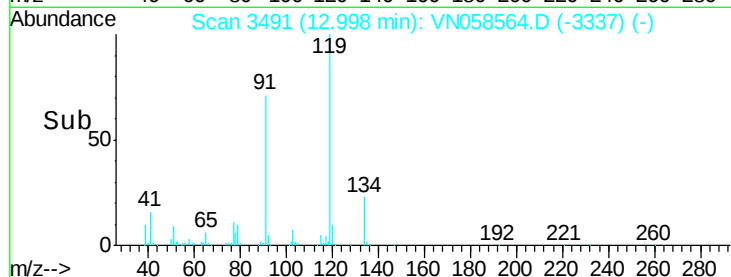
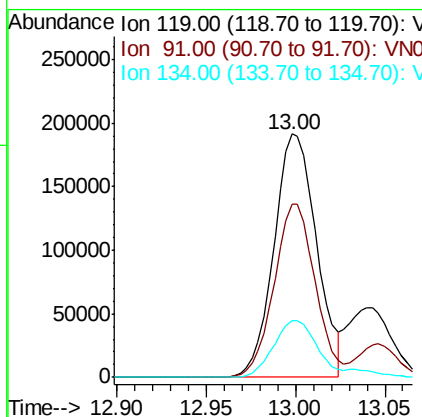
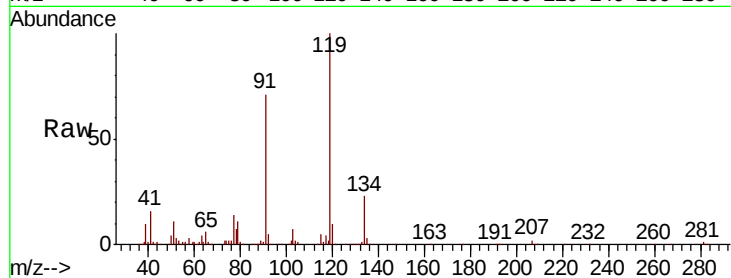
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	318272
Ion Ratio	Lower	Upper	
119	100		
91	68.7	0.0	138.2
134	24.0	0.0	46.8

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.076 ug/l

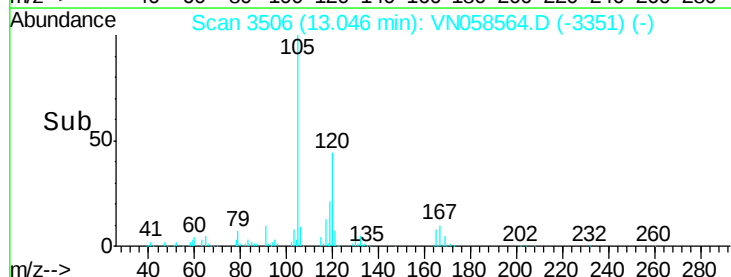
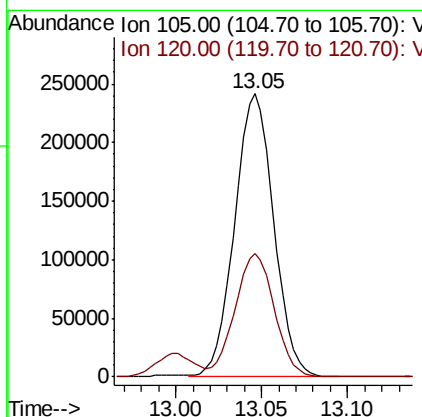
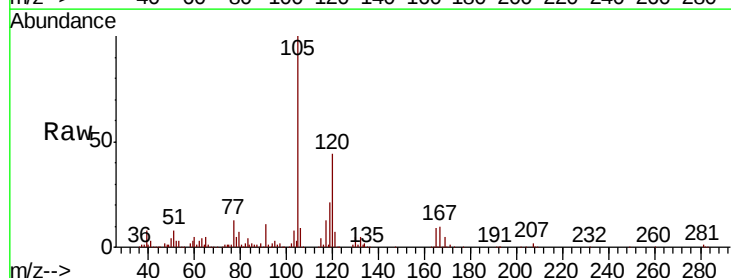
RT: 13.05 min Scan# 3506

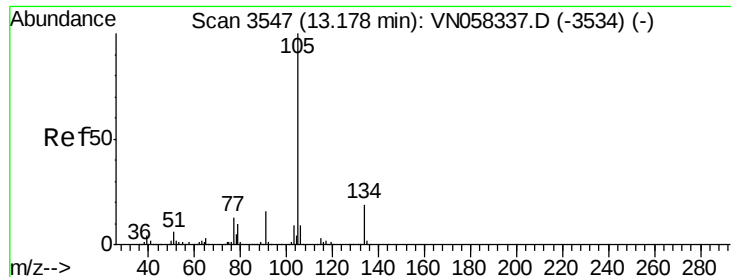
Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:	105	Resp:	380281
Ion Ratio	Lower	Upper	
105	100		
120	43.8	0.0	86.6





#81

sec-Butylbenzene

Concen: 20.034 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 431737

Ion Ratio Lower Upper

105 100

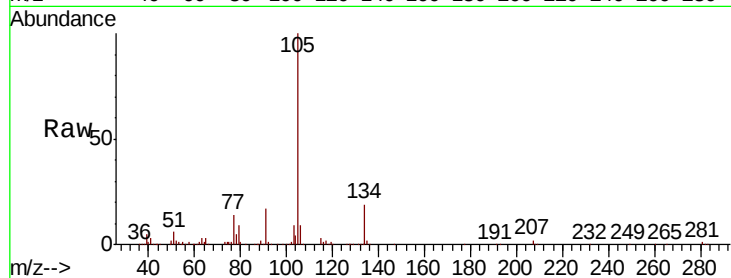
134 19.4 0.0 38.2

Manual Integrations

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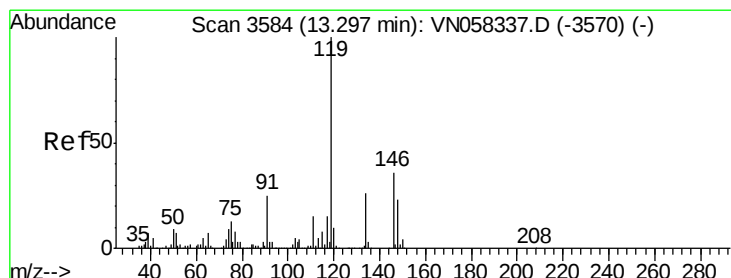
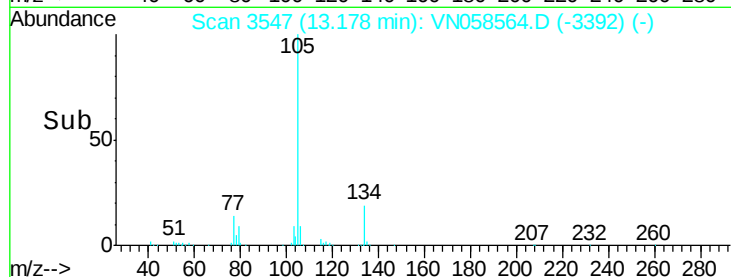
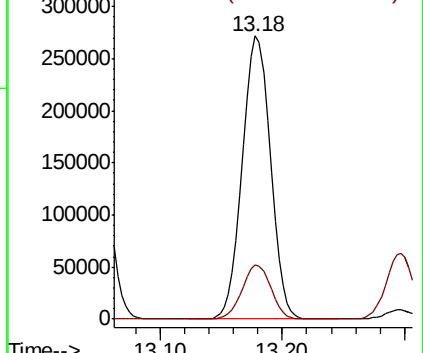
MMDadoda

10/9/2019 10:50:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.862 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

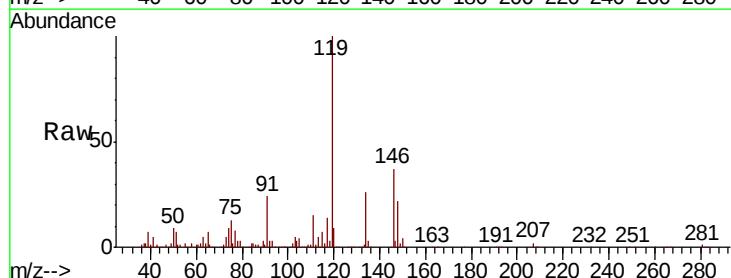
Tgt Ion:119 Resp: 385462

Ion Ratio Lower Upper

119 100

134 25.7 0.0 51.6

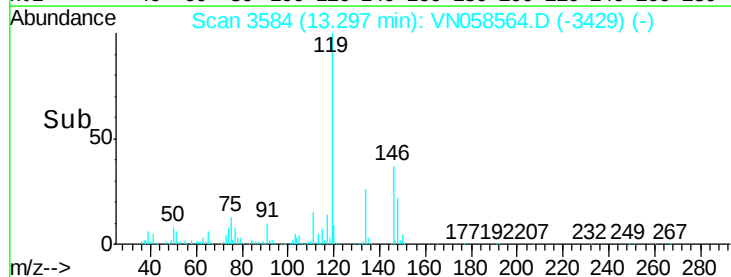
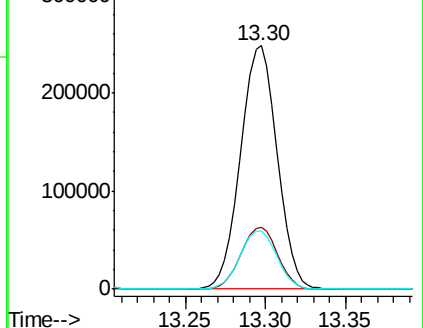
91 24.3 0.0 49.6

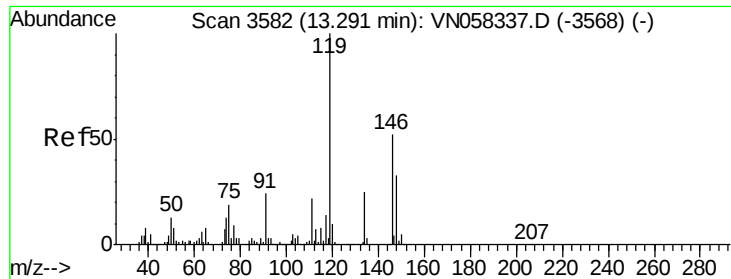


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





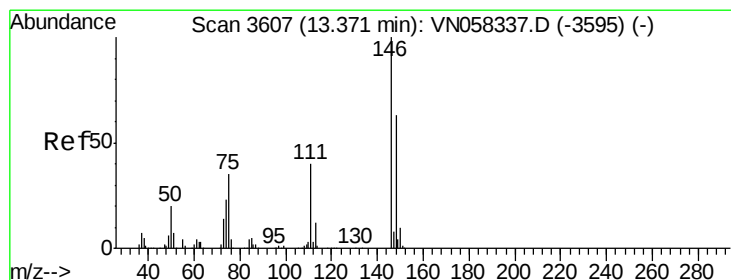
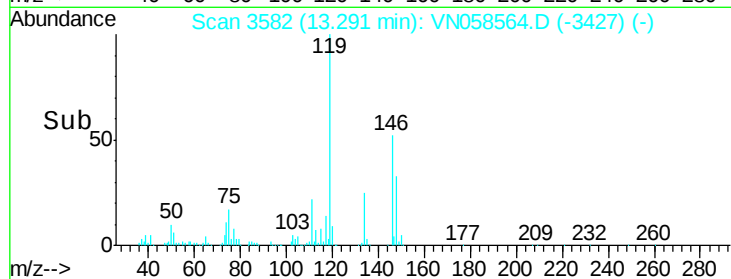
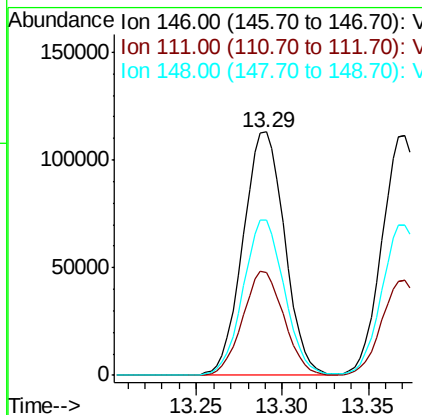
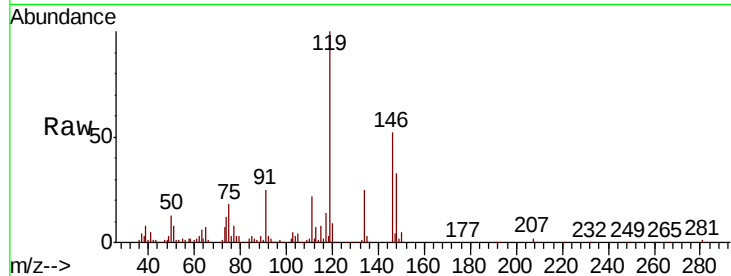
#83
 1,3-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	62.7	32.0	96.2

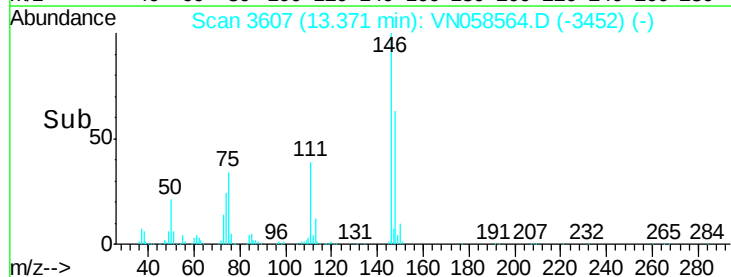
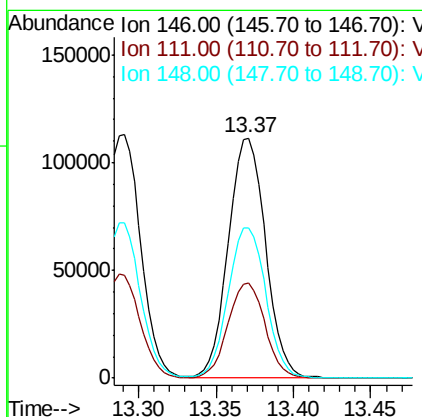
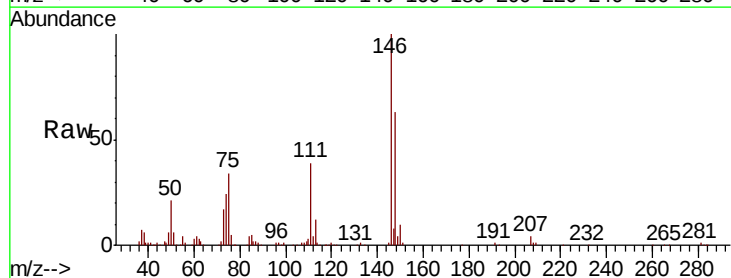
Manual Integrations
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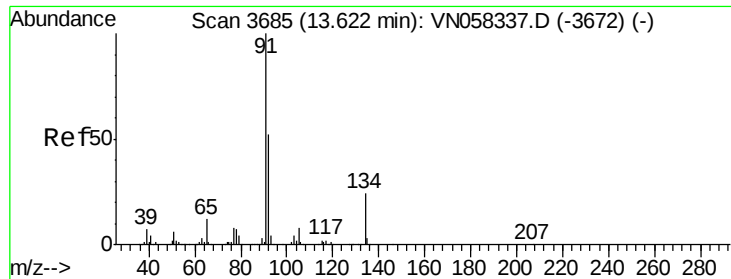
MMDadoda
 10/9/2019 10:50:30 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.3
148	63.3	31.9	95.7





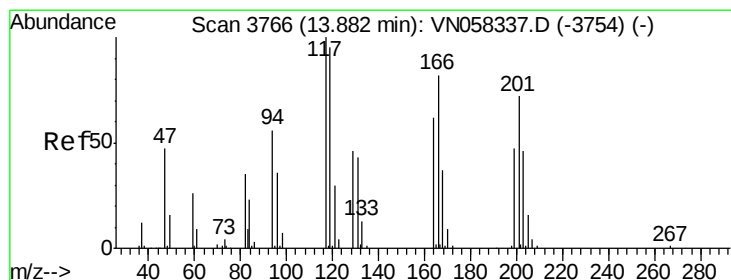
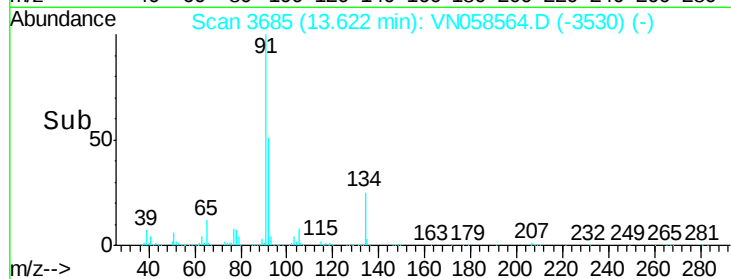
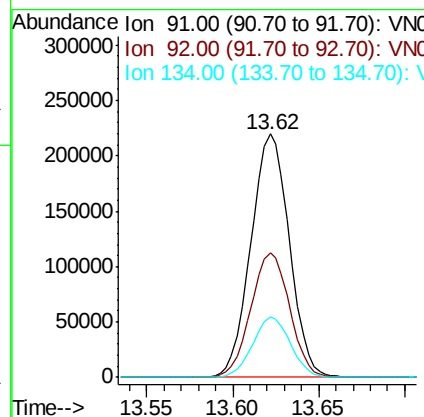
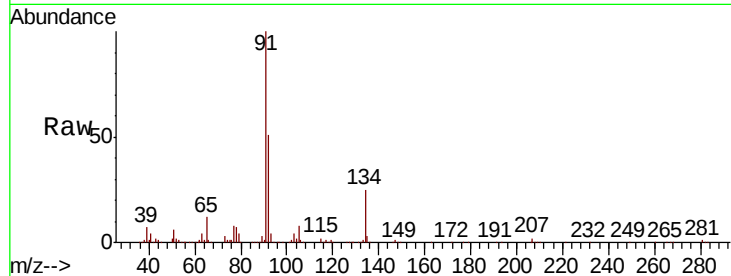
#85
n-Butylbenzene
Concen: 18.852 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	102.6
134	24.2	0.0	47.8

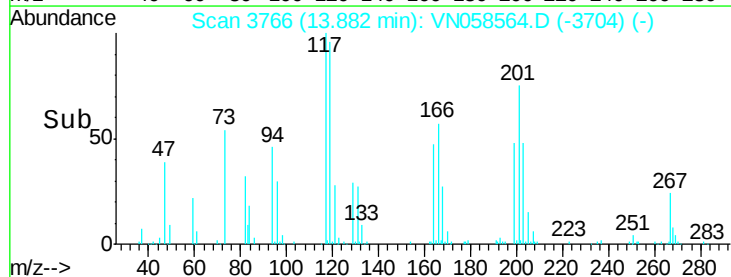
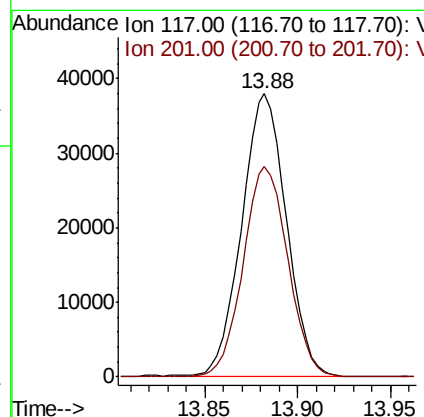
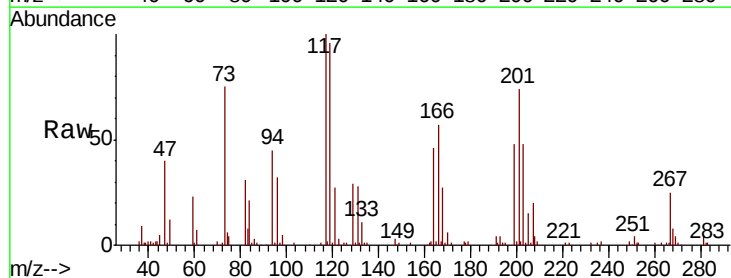
Manual Integrations
APPROVED

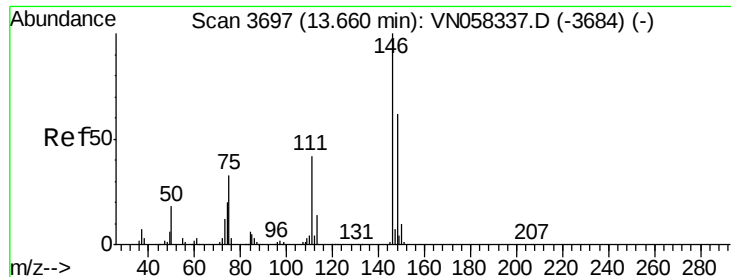
MMDadoda
10/9/2019 10:50:30 AM



#86
Hexachloroethane
Concen: 20.333 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	37.2	111.6





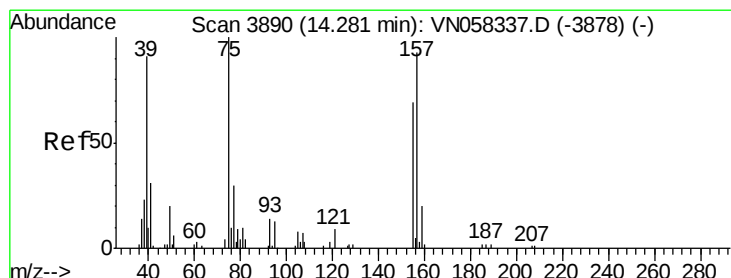
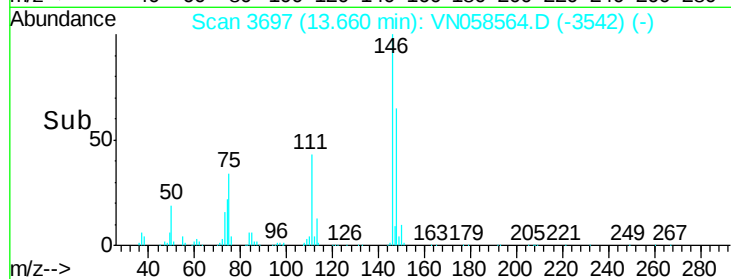
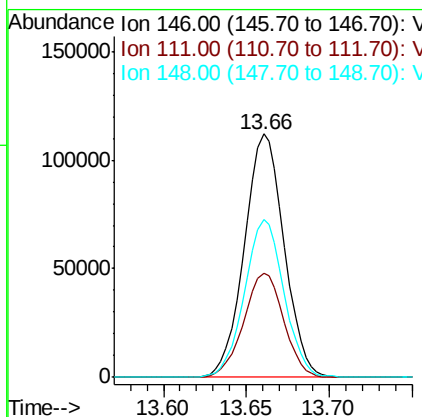
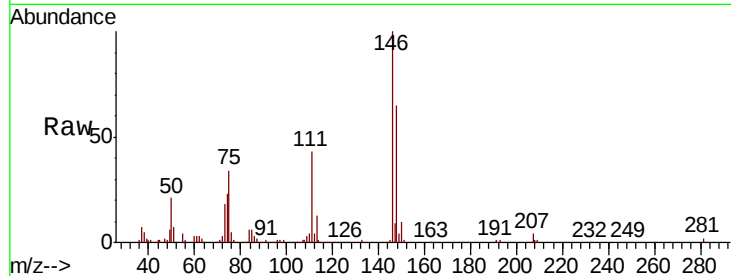
#87
 1,2-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.3
148	63.6	31.9	95.7

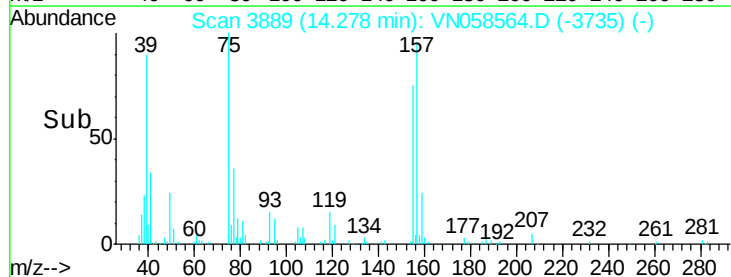
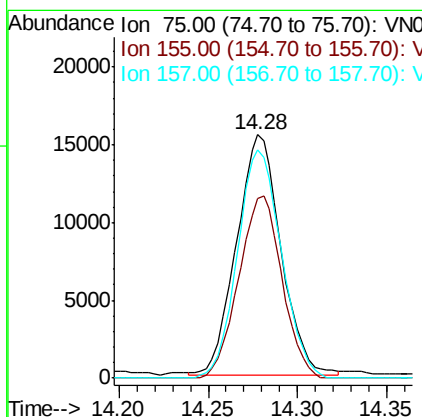
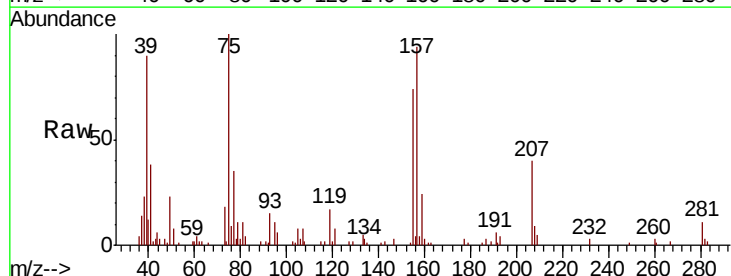
Manual Integrations
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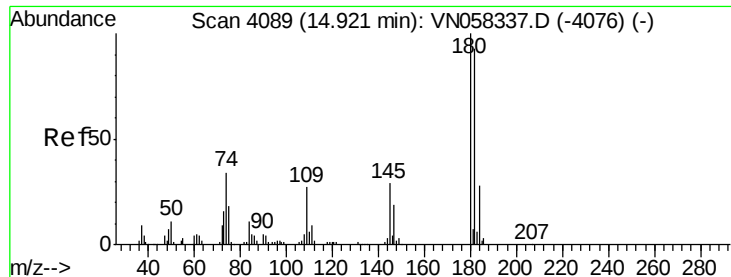
MMDadoda
 10/9/2019 10:50:30 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.568 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	58.5	87.7
157	94.4	75.4	113.2





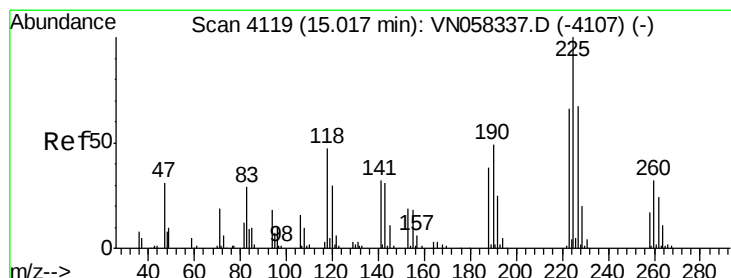
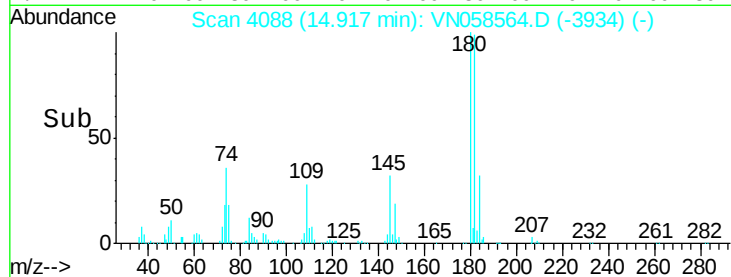
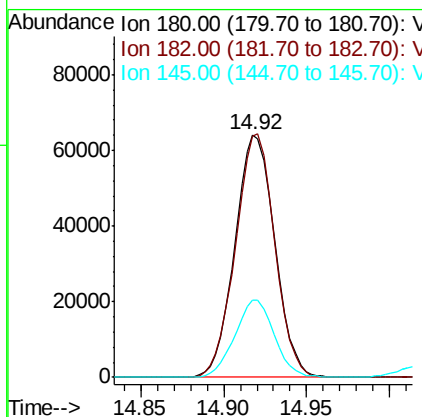
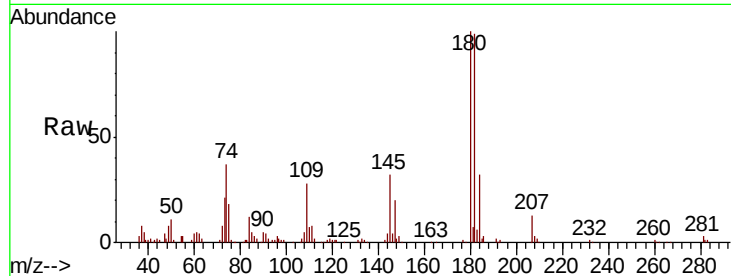
#89
1,2,4-Trichlorobenzene
Concen: 17.084 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.2	112.8
145	31.4	25.1	37.7

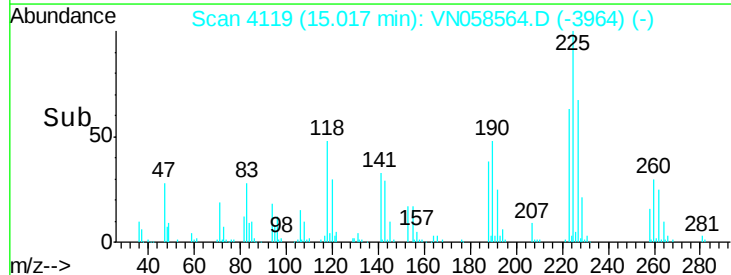
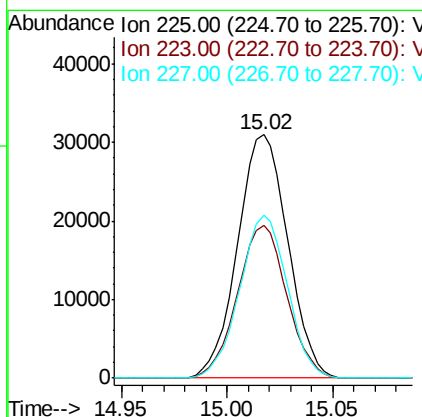
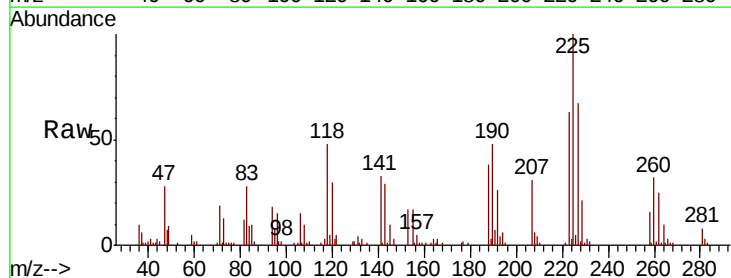
Manual Integrations
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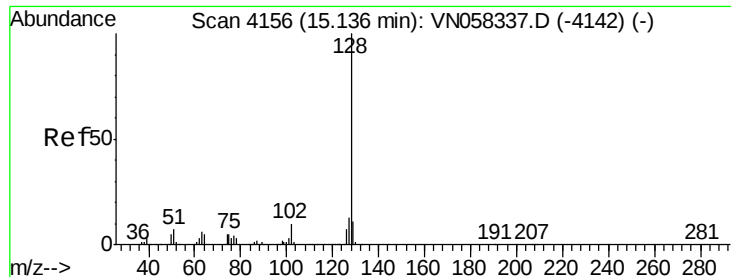
MMDadoda
10/9/2019 10:50:30 AM



#90
Hexachlorobutadiene
Concen: 16.879 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	0.0	132.6
227	63.7	0.0	129.2





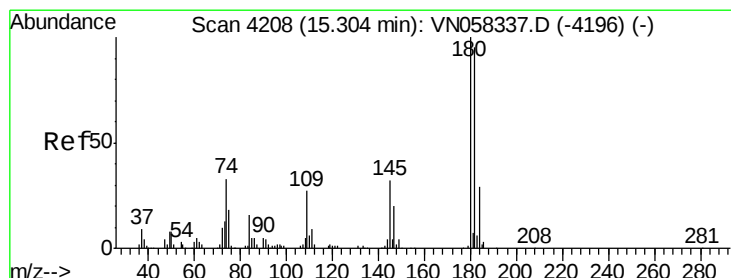
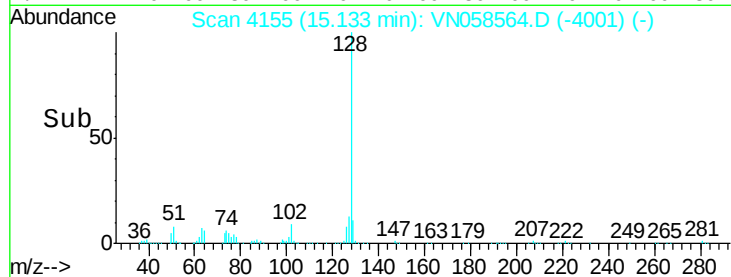
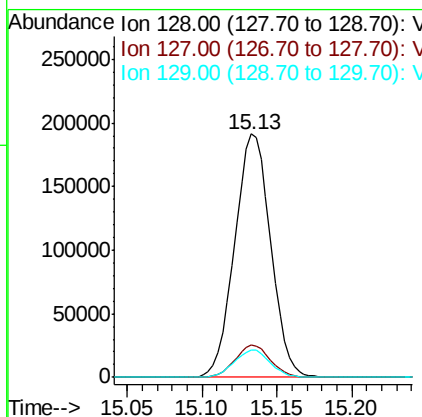
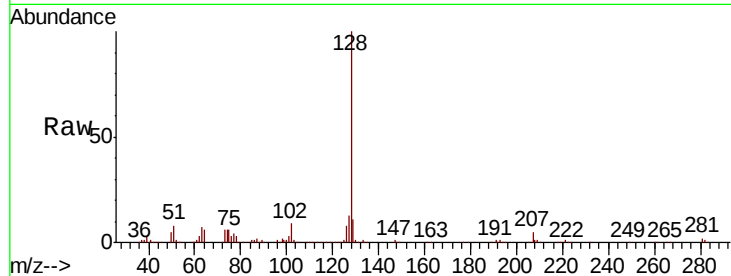
#91
Naphthalene
Concen: 18.562 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.6	13.0

Manual Integrations
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10/9/2019 10:50:30 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.559 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	189.4
145	33.8	0.0	64.0

