

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058566.D
 Acq On : 7 Oct 2019 14:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:35 AM

Quant Time: Oct 08 15:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	410970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	293653	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.57	113	212082	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	805078	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.41	95	307913	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	210519	46.717	ug/l	99
3) Chloromethane	2.04	50	264823	53.455	ug/l	100
4) Vinyl Chloride	2.17	62	246401	50.772	ug/l	99
5) Bromomethane	2.53	94	128618	49.895	ug/l	99
6) Chloroethane	2.68	64	158863	54.632	ug/l	98
7) Trichlorofluoromethane	2.99	101	343769	58.698	ug/l	99
8) Diethyl Ether	3.39	74	131330	51.973	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195308	49.104	ug/l	99
10) Methyl Iodide	3.93	142	188481	42.737	ug/l	99
11) Tert butyl alcohol	4.76	59	223925	335.629	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185217	47.775	ug/l	99
13) Acrolein	3.58	56	67944	320.183	ug/l	97
14) Allyl chloride	4.30	41	378305	53.620	ug/l	97
15) Acrylonitrile	4.96	53	566633	291.409	ug/l	99
16) Acetone	3.79	43	582637	284.592	ug/l	99
17) Carbon Disulfide	4.03	76	498310	48.761	ug/l	98
18) Methyl Acetate	4.30	43	290355	56.389	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	735643	53.779	ug/l	98
20) Methylene Chloride	4.53	84	233049	49.327	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	209599	48.618	ug/l	99
22) Diisopropyl ether	5.93	45	805240	53.037	ug/l	98
23) Vinyl Acetate	5.87	43	3325556	290.498	ug/l	99
24) 1,1-Dichloroethane	5.82	63	445839	52.178	ug/l	100
25) 2-Butanone	6.82	43	804437	286.191	ug/l	99
26) 2,2-Dichloropropane	6.81	77	399560	56.880	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251730	49.959	ug/l	99
28) Bromochloromethane	7.18	49	180501	52.847	ug/l	97
29) Tetrahydrofuran	7.19	42	502781	281.825	ug/l	100
30) Chloroform	7.36	83	450429	52.021	ug/l	99
31) Cyclohexane	7.63	56	379643	45.676	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	385897	54.273	ug/l	99
36) 1,1-Dichloropropene	7.78	75	323481	49.196	ug/l	99
37) Ethyl Acetate	6.91	43	323264	57.987	ug/l	100
38) Carbon Tetrachloride	7.76	117	327702	55.213	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365503	47.600	ug/l	97
40) Benzene	8.03	78	972995	51.479	ug/l	99
41) Methacrylonitrile	7.17	41	173696m	67.726	ug/l	
42) 1,2-Dichloroethane	8.11	62	379761	51.644	ug/l	100
43) Isopropyl Acetate	8.15	43	569901	54.363	ug/l	99
44) Trichloroethene	8.82	130	239520	51.323	ug/l	97
45) 1,2-Dichloropropane	9.11	63	269652	53.196	ug/l	97
46) Dibromomethane	9.20	93	168775	52.575	ug/l	98
47) Bromodichloromethane	9.40	83	344514	56.643	ug/l	100
48) Methyl methacrylate	9.19	41	262466	54.984	ug/l	98
49) 1,4-Dioxane	9.19	88	91821	1438.569	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1654712	307.289	ug/l	99
52) Toluene	10.15	92	592624	49.814	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	398712	60.228	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	421873	57.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	243872	56.298	ug/l	99
56) Ethyl methacrylate	10.43	69	381401	58.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	419541	54.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	893837	341.031	ug/l	100
59) 2-Hexanone	10.75	43	1230010	313.698	ug/l	100
60) Dibromochloromethane	10.90	129	257510	57.489	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249066	56.271	ug/l	99
64) Tetrachloroethene	10.63	164	205988	51.659	ug/l	98
65) Chlorobenzene	11.44	112	636336	51.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	241486	57.452	ug/l	100
67) Ethyl Benzene	11.51	91	1195966	52.927	ug/l	100
68) m/p-Xylenes	11.62	106	866982	101.976	ug/l	97
69) o-Xylene	11.95	106	423165	51.705	ug/l	97
70) Styrene	11.97	104	706451	53.134	ug/l	99
71) Bromoform	12.13	173	168920	58.040	ug/l #	100
73) Isopropylbenzene	12.25	105	1151078	52.110	ug/l	100
74) N-amyl acetate	12.07	43	515016	58.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	354874	54.329	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	350152m	64.137	ug/l	
77) Bromobenzene	12.53	156	268372	51.814	ug/l	97
78) n-propylbenzene	12.60	91	1356082	54.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	803093	52.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	982728	53.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113662	63.231	ug/l	96
82) 4-Chlorotoluene	12.78	91	833841	53.199	ug/l	99
83) tert-Butylbenzene	13.00	119	820401	52.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	983871	53.106	ug/l	99
85) sec-Butylbenzene	13.18	105	1105038	53.808	ug/l	100
86) p-Isopropyltoluene	13.30	119	999198	55.273	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	489351	52.104	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	481390	51.517	ug/l	99
89) n-Butylbenzene	13.62	91	906860	55.380	ug/l	100
90) Hexachloroethane	13.88	117	171535	63.155	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	483121	53.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71490	62.064	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288279	57.811	ug/l	100
94) Hexachlorobutadiene	15.02	225	130039	50.736	ug/l	99
95) Naphthalene	15.13	128	799412	54.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	263257	52.659	ug/l	98

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

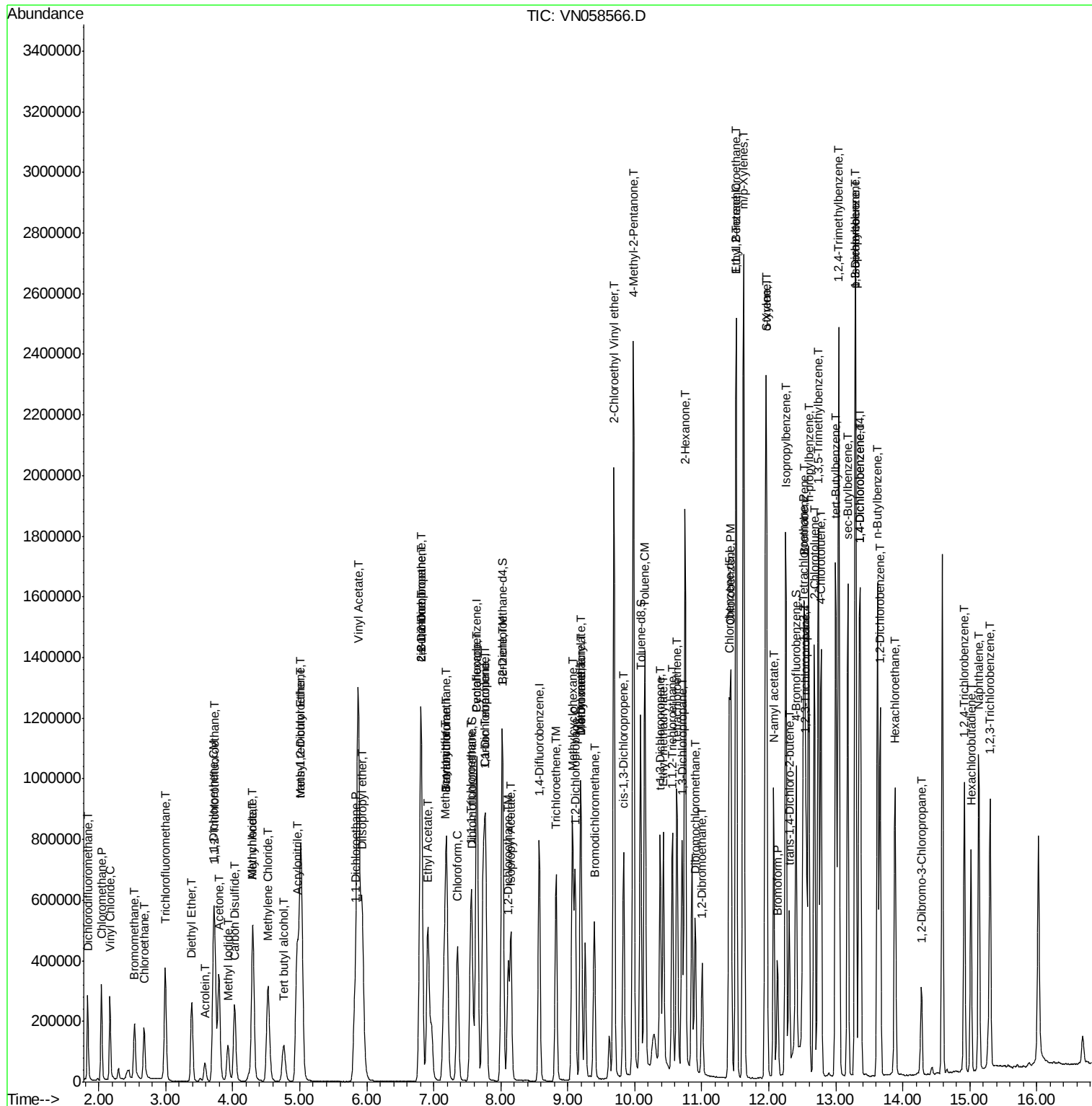
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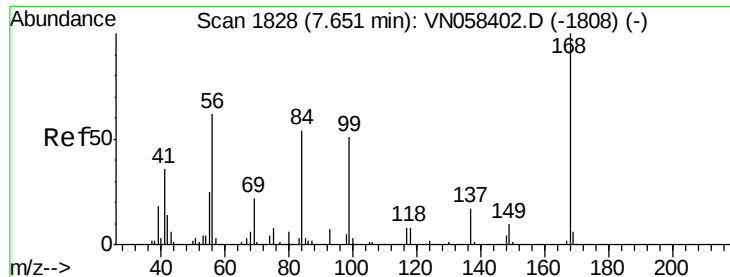
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 410970

Ion Ratio Lower Upper

168 100

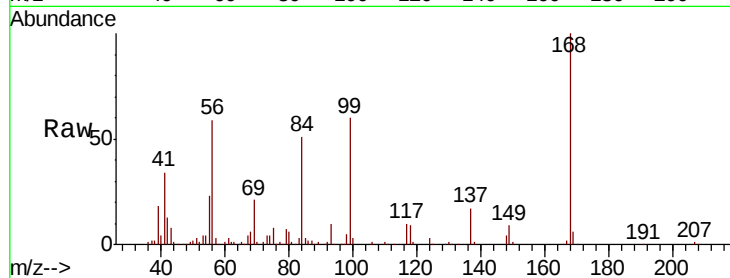
99 59.3 47.7 71.5

Manual Integrations

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10/9/2019 10:50:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

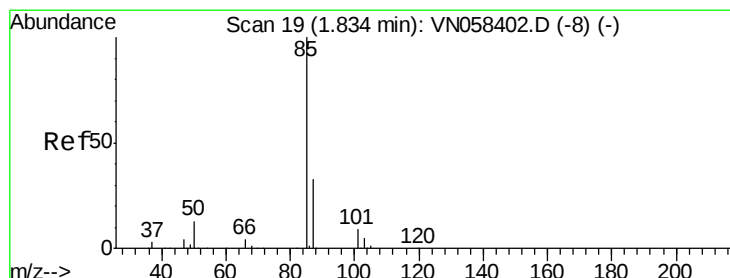
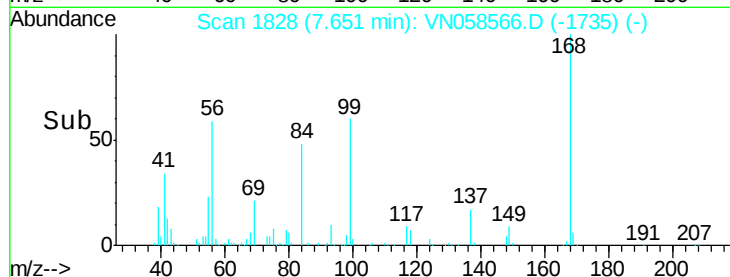
0

7.60

7.65

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.717 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058566.D

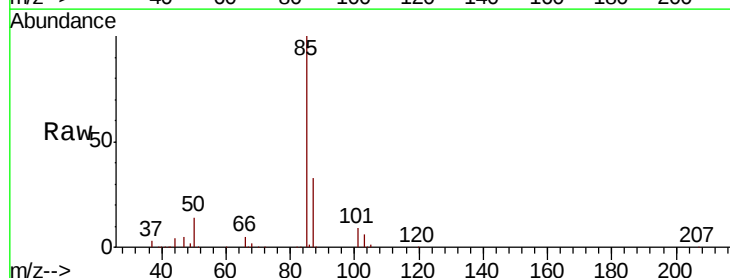
Acq: 7 Oct 2019 14:46

Tgt Ion: 85 Resp: 210519

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

1.75

1.80

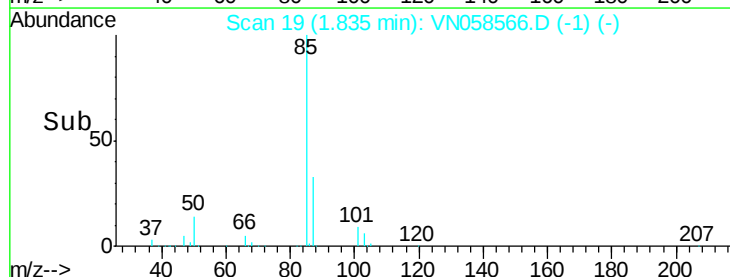
1.83

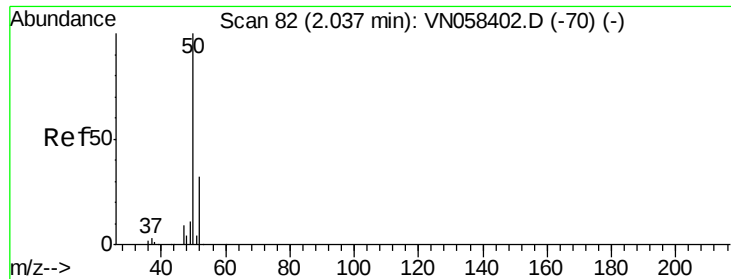
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 53.455 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 264823

Ion Ratio Lower Upper

50 100

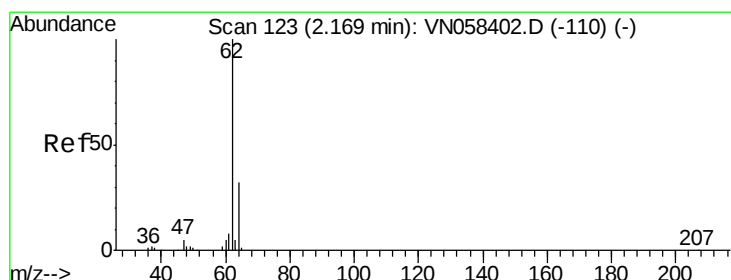
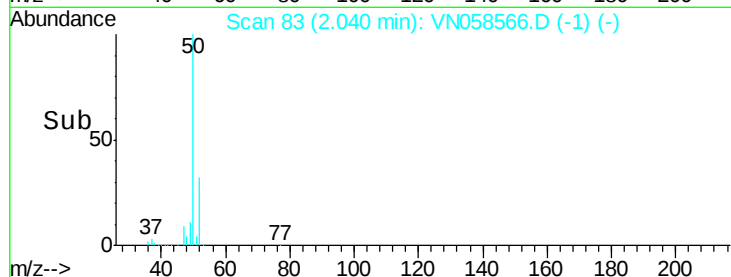
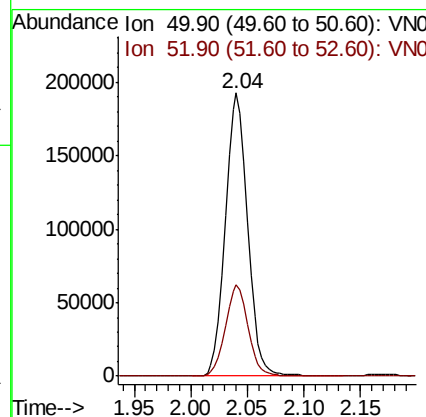
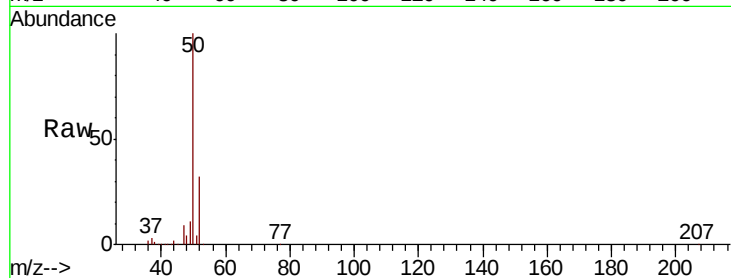
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.772 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058566.D

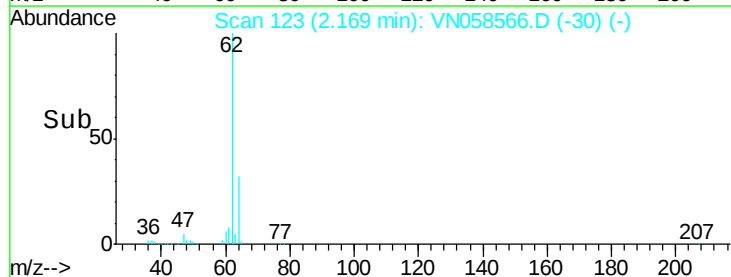
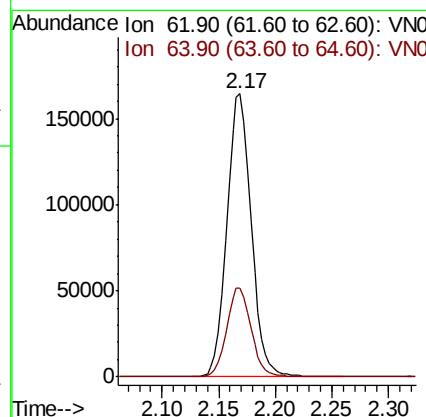
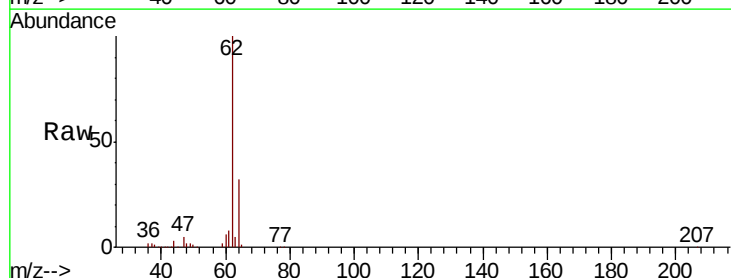
Acq: 7 Oct 2019 14:46

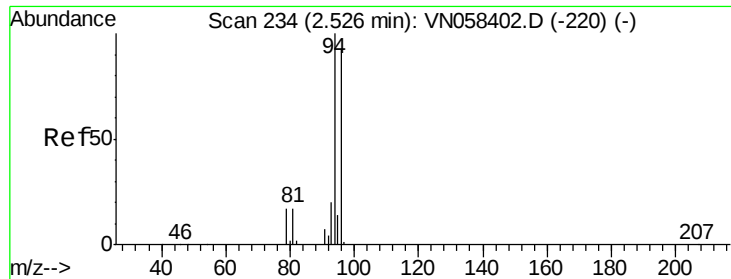
Tgt Ion: 62 Resp: 246401

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 49.895 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 128618

Ion Ratio Lower Upper

94 100

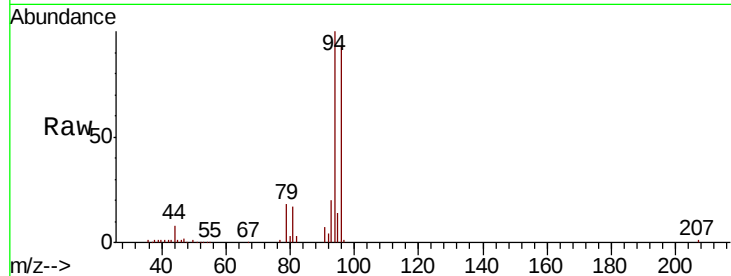
96 92.6 74.8 112.2

Manual Integrations

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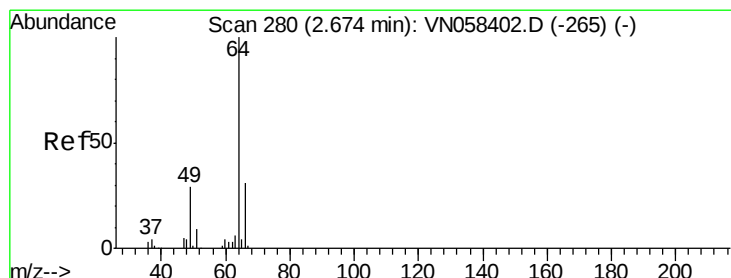
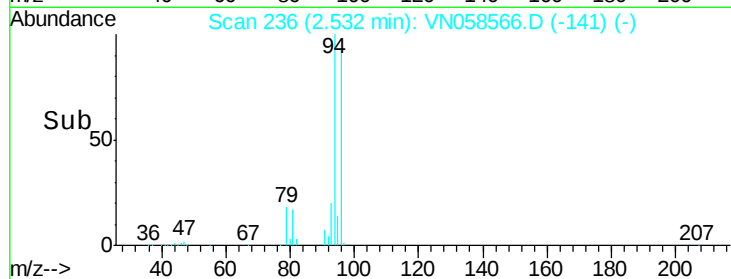
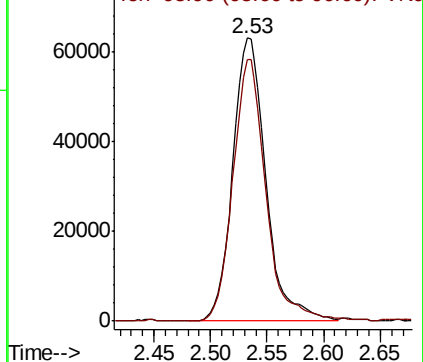
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.632 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN058566.D

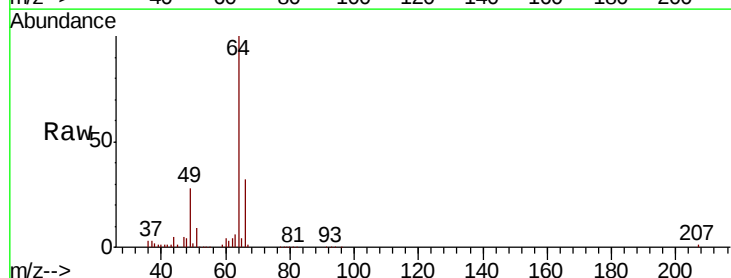
Acq: 7 Oct 2019 14:46

Tgt Ion: 64 Resp: 158863

Ion Ratio Lower Upper

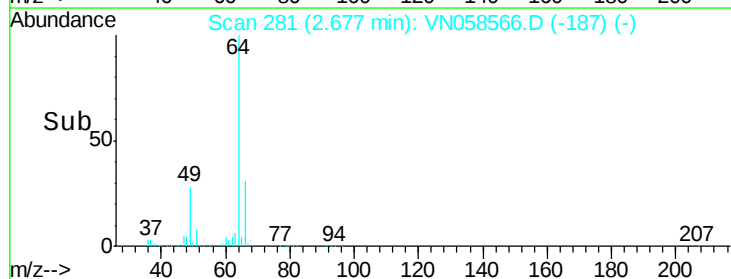
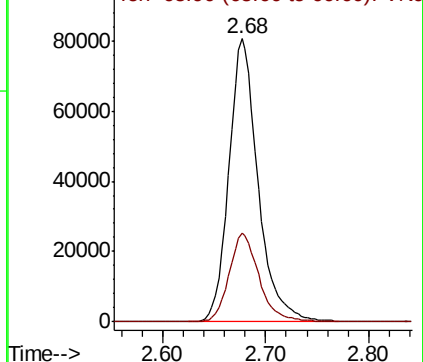
64 100

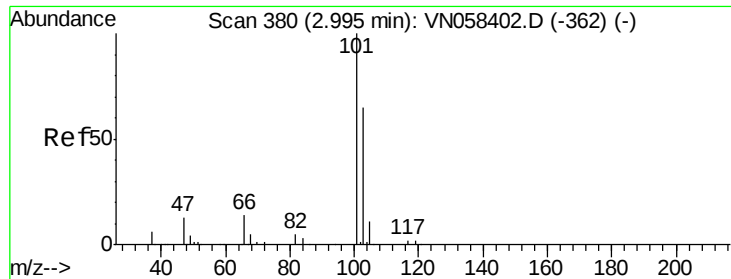
66 31.6 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

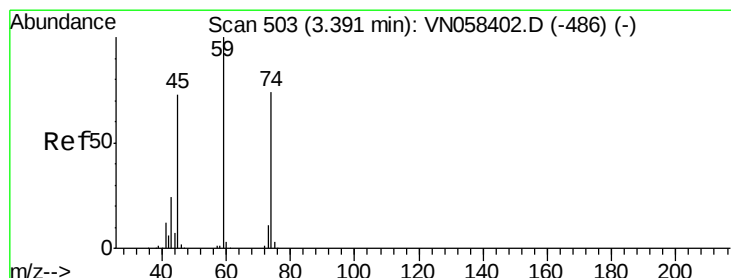
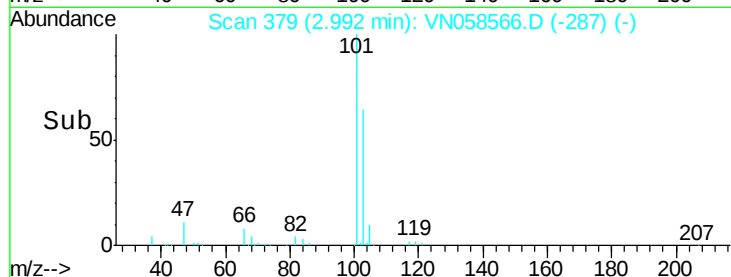
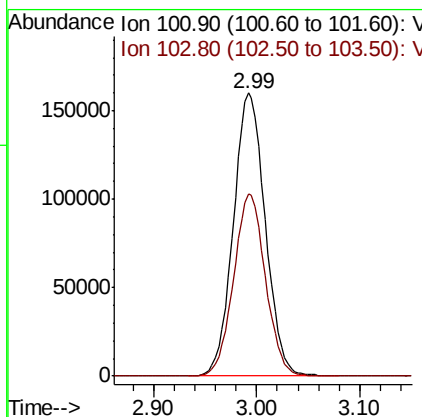
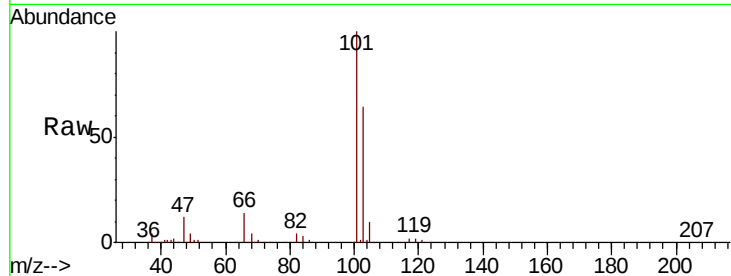
Trichlorofluoromethane
 Concen: 58.698 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

Manual Integrations
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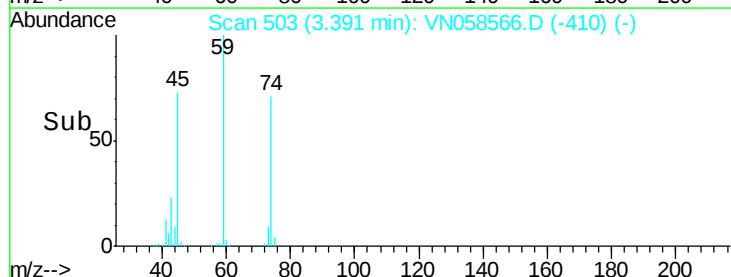
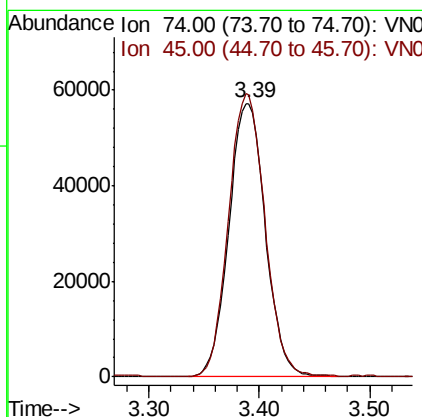
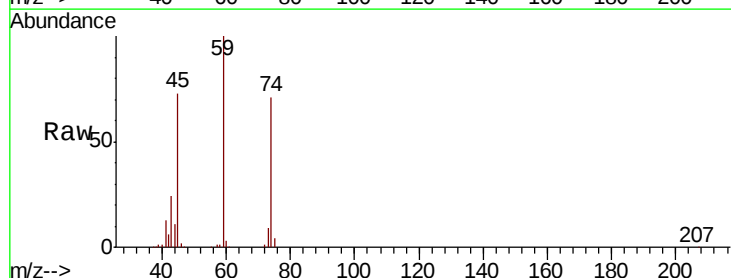
MMDadoda
 10/9/2019 10:50:35 AM

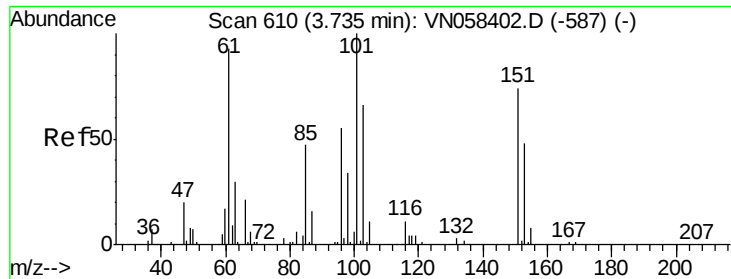


#8

Diethyl Ether
 Concen: 51.973 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058566.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.104 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

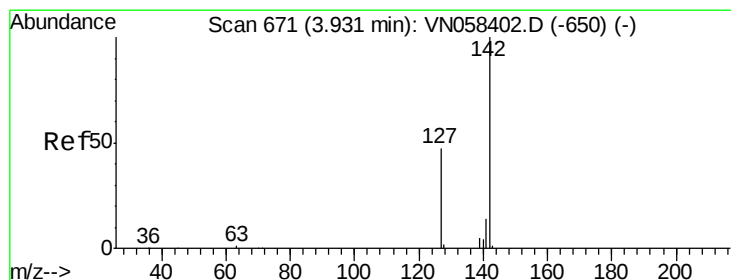
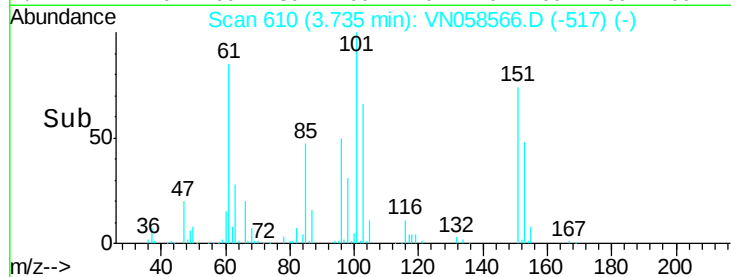
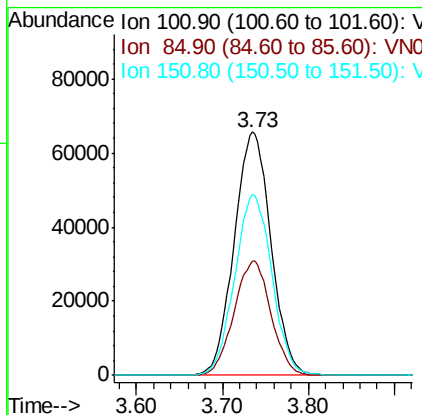
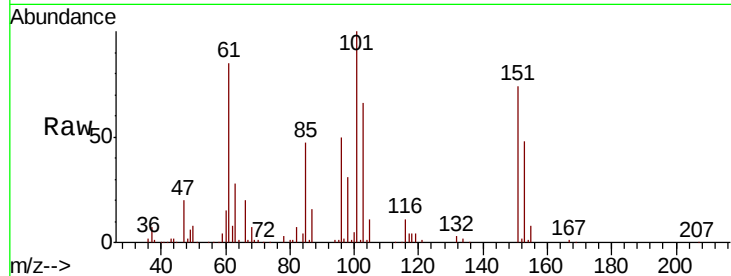
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	195308
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.7	55.1
151	75.1	59.4	89.0

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#10

Methyl Iodide

Concen: 42.737 ug/l

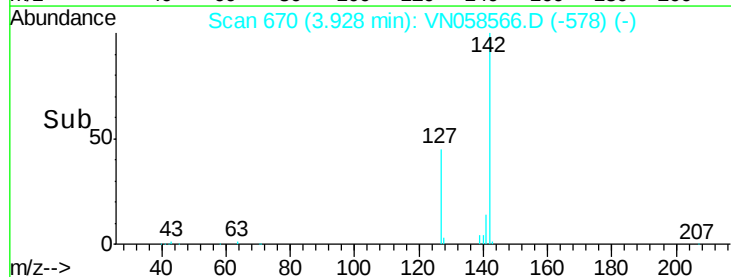
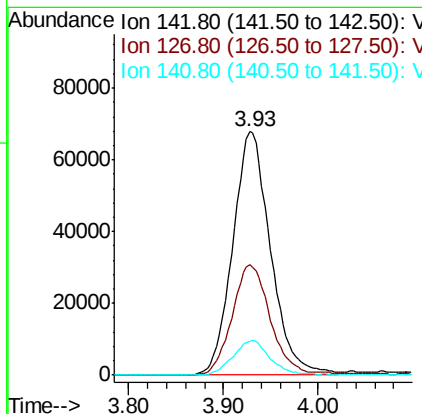
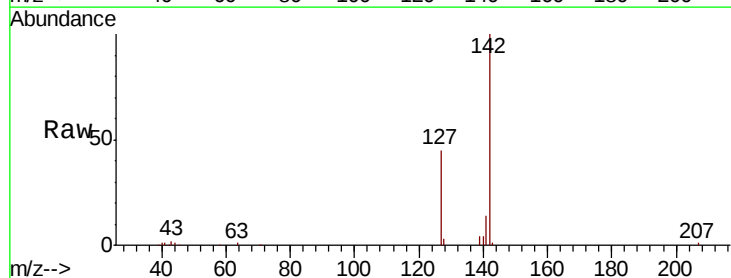
RT: 3.93 min Scan# 670

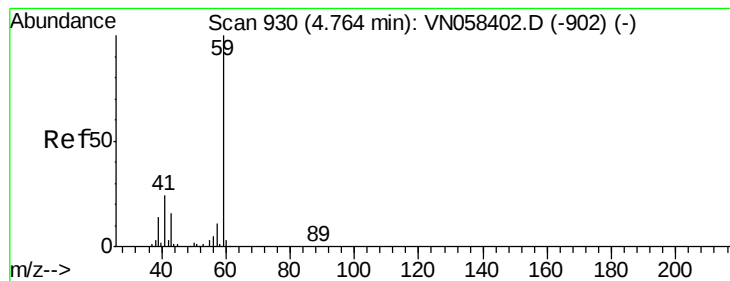
Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	142	Resp:	188481
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.2	55.8
141	14.0	11.3	16.9





#11

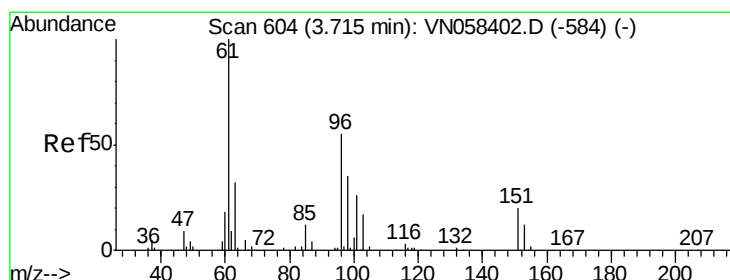
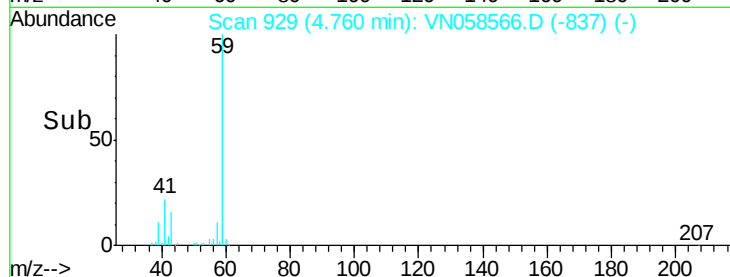
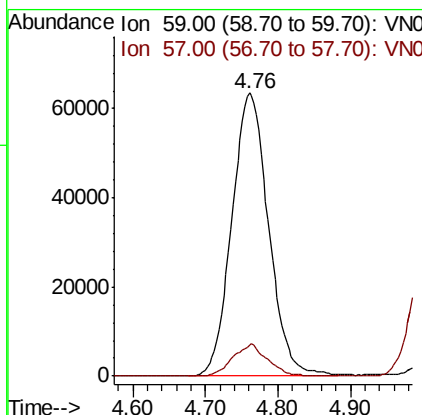
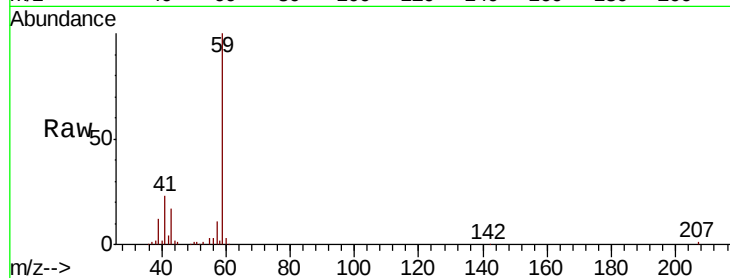
Tert butyl alcohol
Concen: 335.629 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

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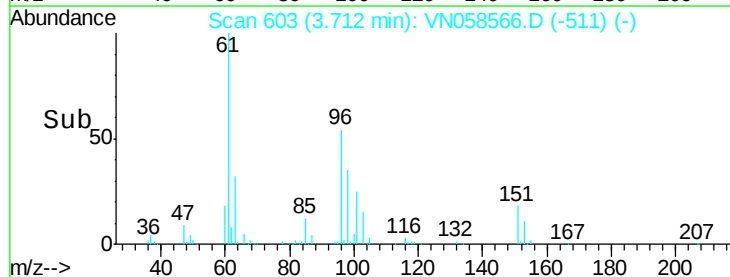
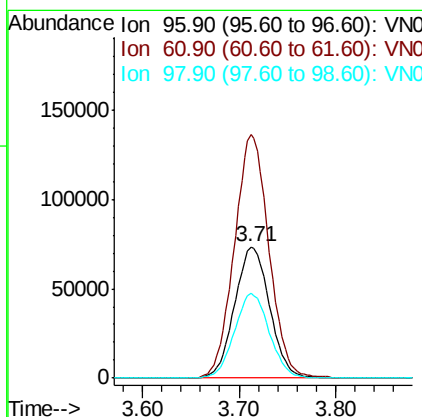
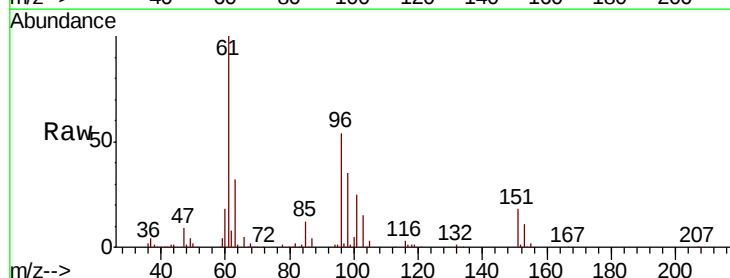
MMDadoda
10/9/2019 10:50:35 AM

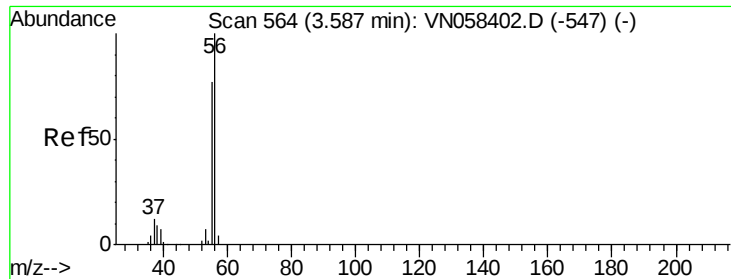


#12

1,1-Dichloroethene
Concen: 47.775 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.0	146.7	220.1
98	64.2	51.3	76.9





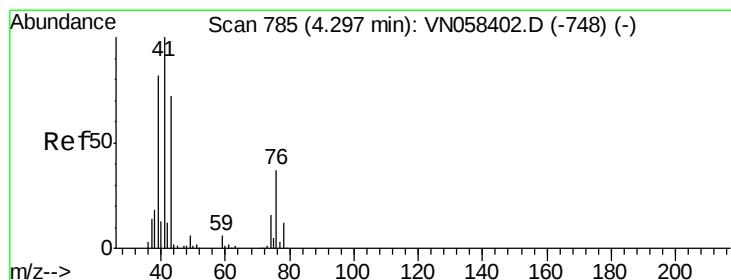
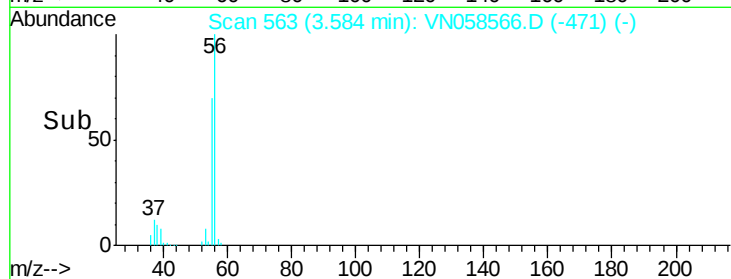
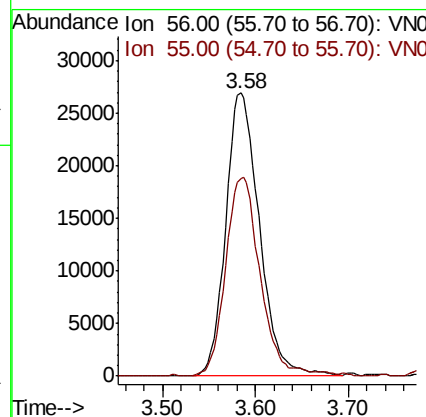
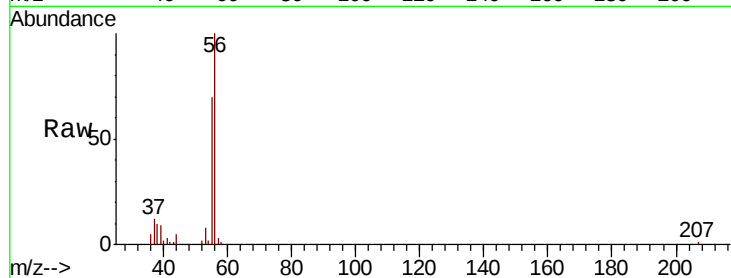
#13
Acrolein
Concen: 320.183 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	67944
Ion Ratio	100	Lower	Upper
56	100		
55	70.3	58.3	87.5

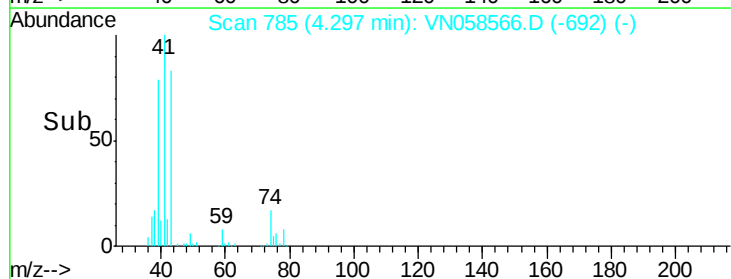
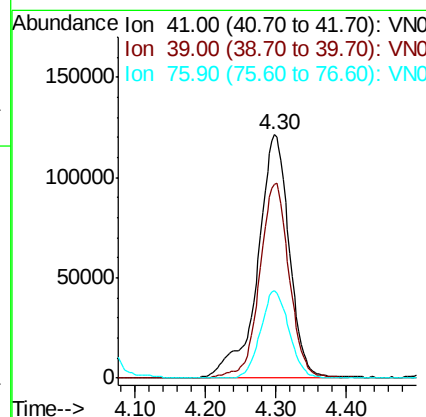
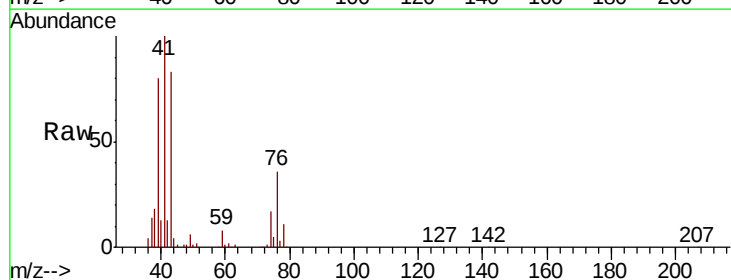
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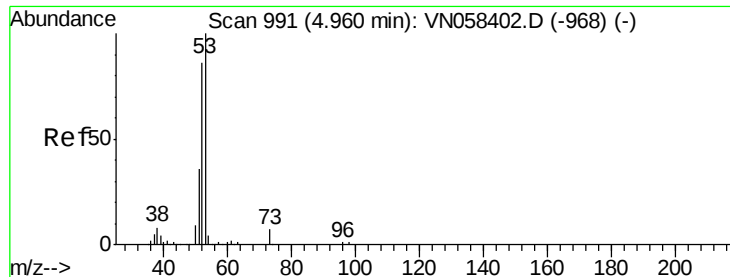
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10/9/2019 10:50:35 AM



#14
Allyl chloride
Concen: 53.620 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	41	Resp	378305
Ion Ratio	100	Lower	Upper
41	100		
39	74.5	62.3	93.5
76	32.5	26.9	40.3





#15

Acrylonitrile

Concen: 291.409 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

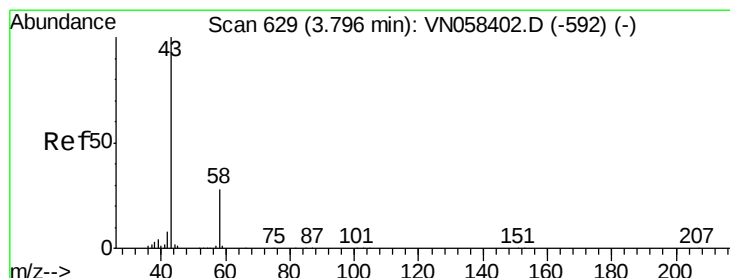
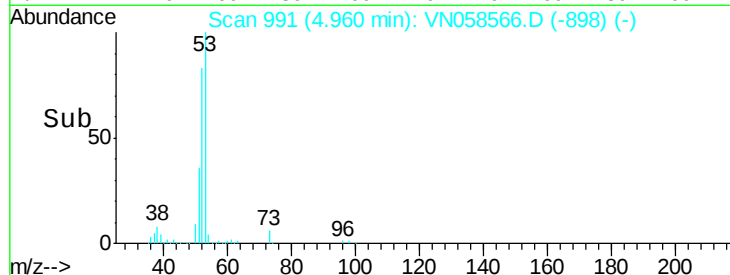
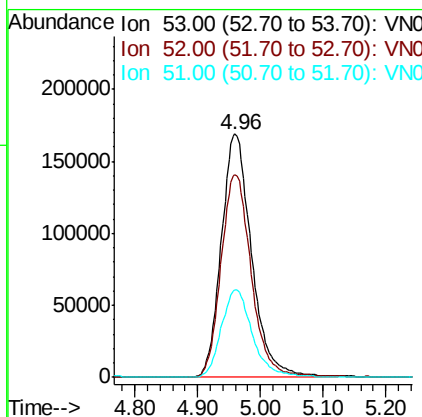
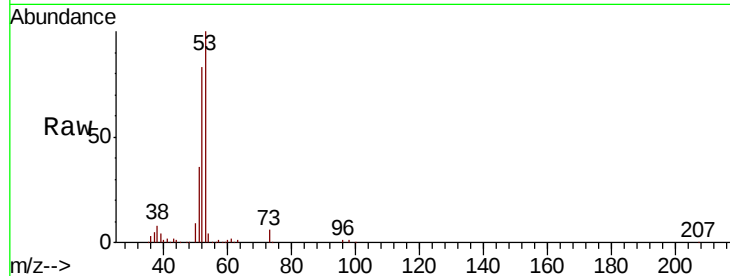
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	566633
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 284.592 ug/l

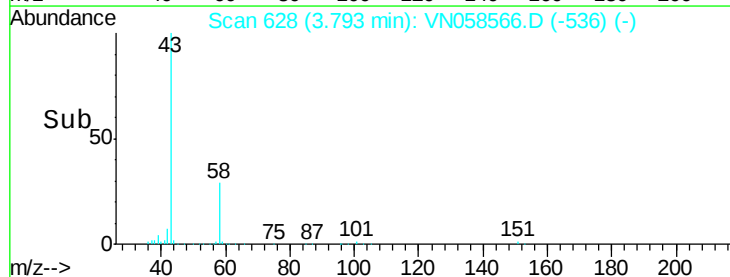
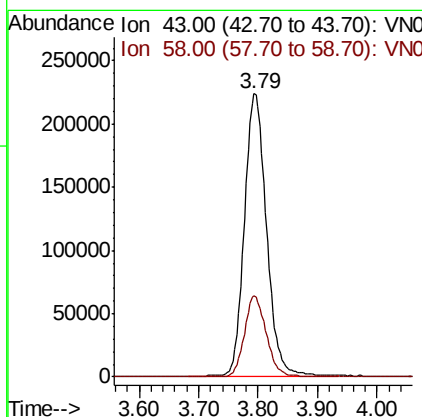
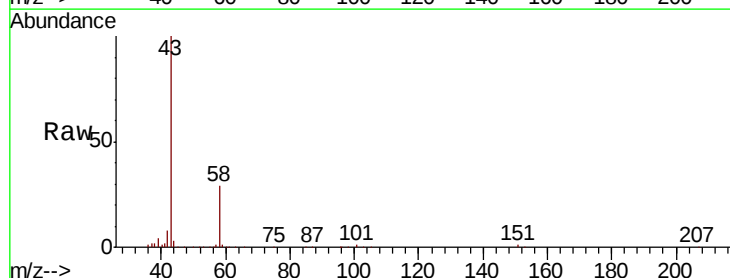
RT: 3.79 min Scan# 628

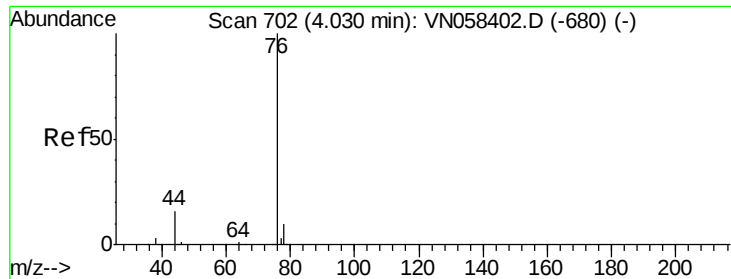
Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	43	Resp:	582637
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.4	33.6





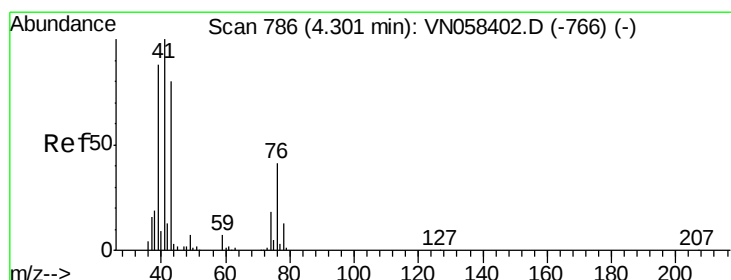
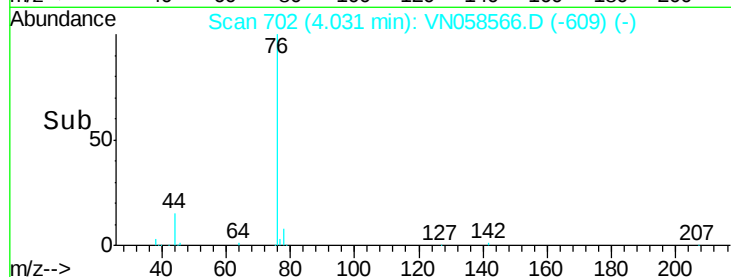
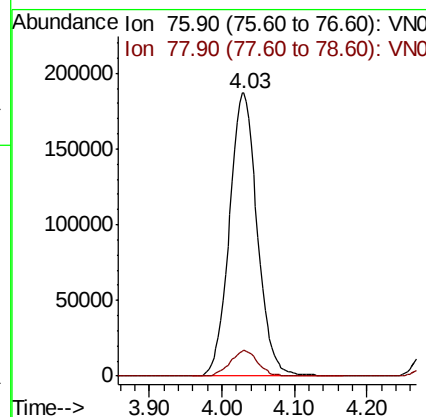
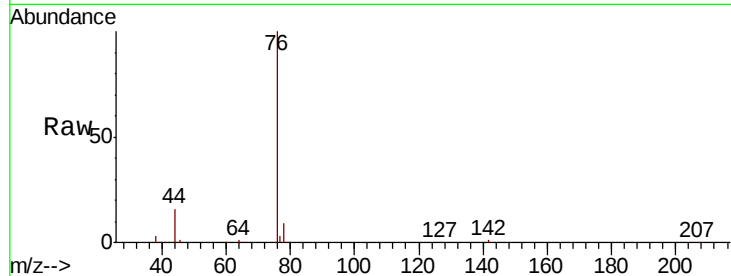
#17
Carbon Disulfide
Concen: 48.761 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

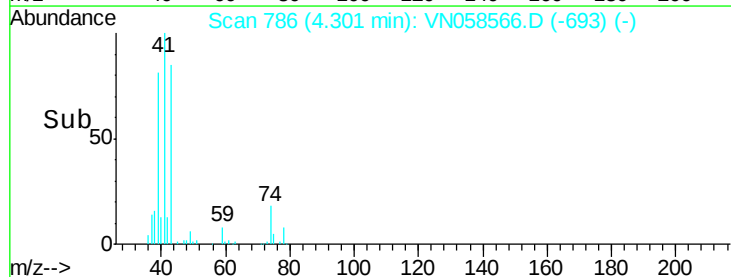
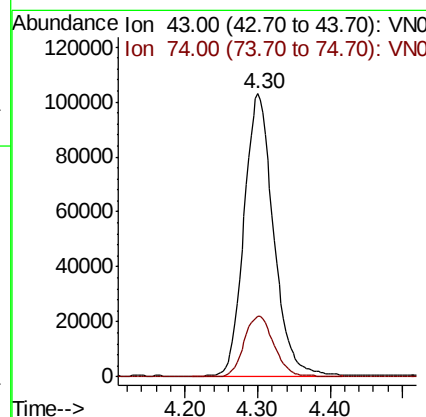
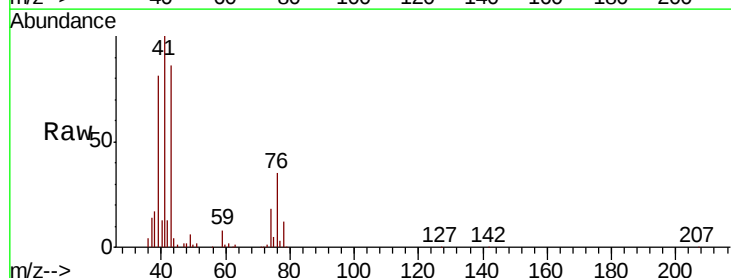
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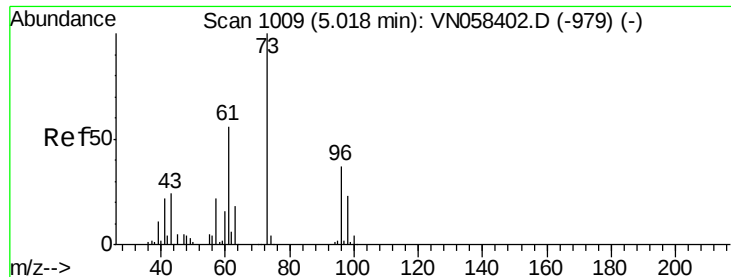
MMDadoda
10/9/2019 10:50:35 AM



#18
Methyl Acetate
Concen: 56.389 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.0	27.0





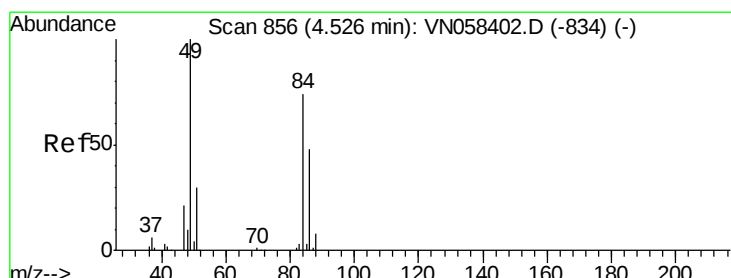
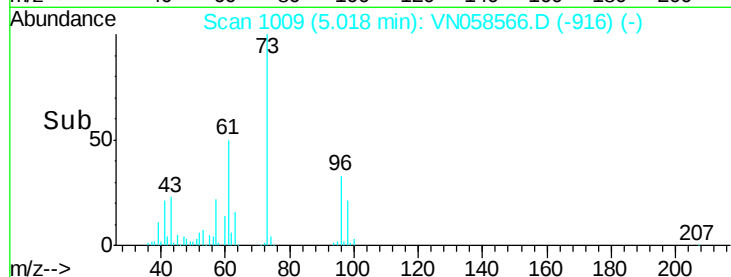
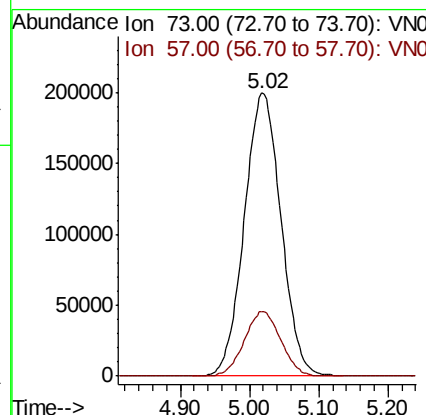
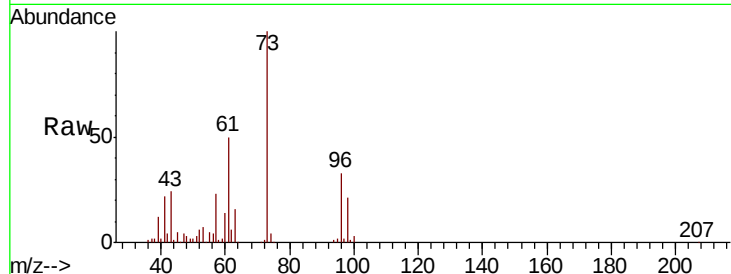
#19
Methyl tert-butyl Ether
Concen: 53.779 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 735643
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4

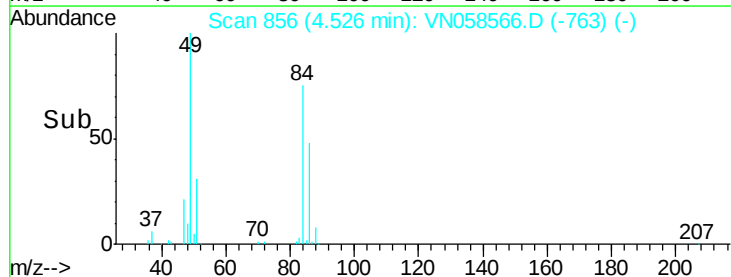
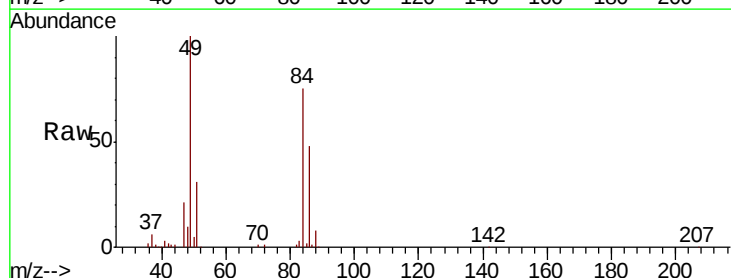
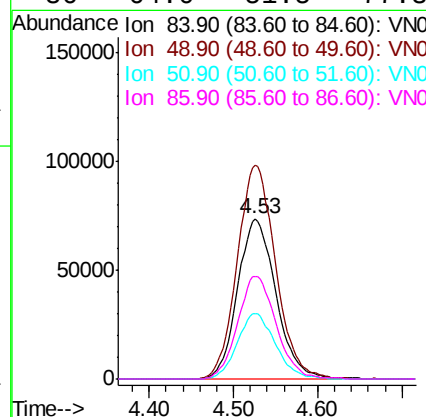
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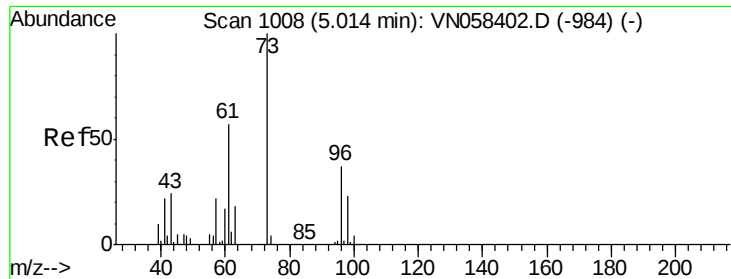
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#20
Methylene Chloride
Concen: 49.327 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 84 Resp: 233049
Ion Ratio Lower Upper
84 100
49 133.1 107.9 161.9
51 41.1 32.8 49.2
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.618 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

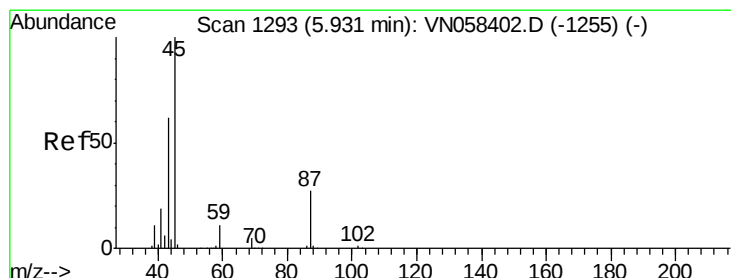
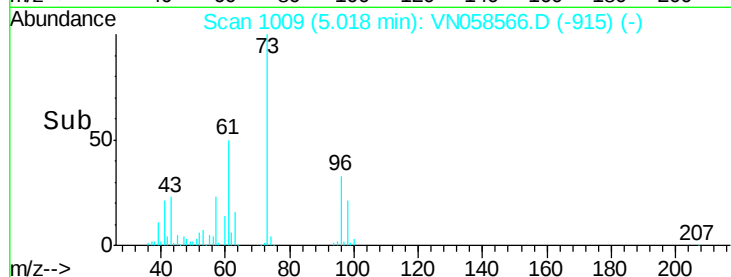
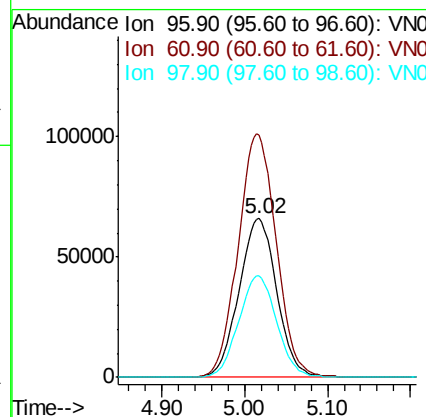
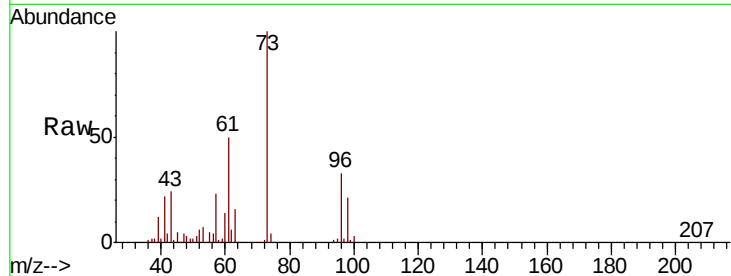
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	209599
Ion	Ratio	Lower	Upper
96	100		
61	152.3	121.9	182.9
98	64.1	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.037 ug/l

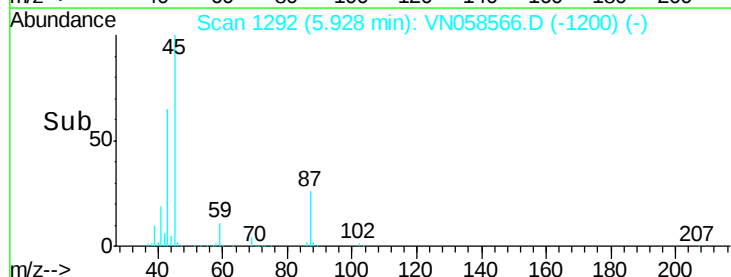
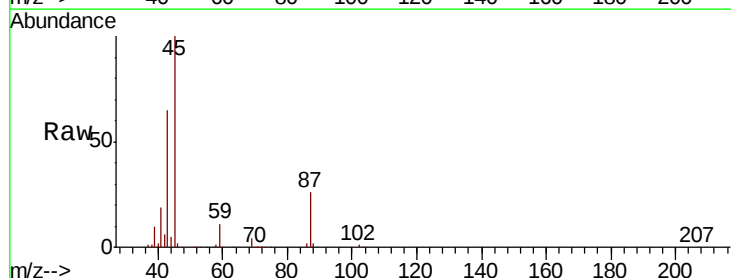
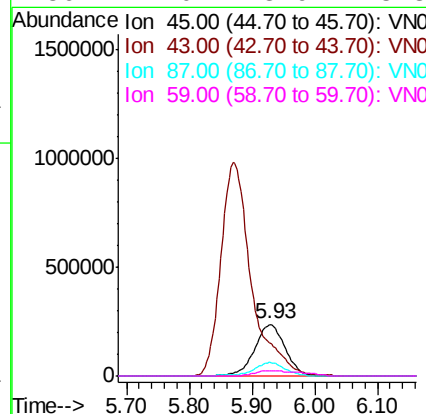
RT: 5.93 min Scan# 1292

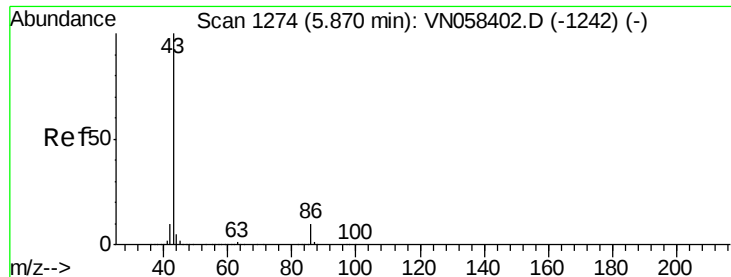
Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	45	Resp:	805240
Ion	Ratio	Lower	Upper
45	100		
43	64.0	49.7	74.5
87	26.2	21.5	32.3
59	11.0	8.9	13.3





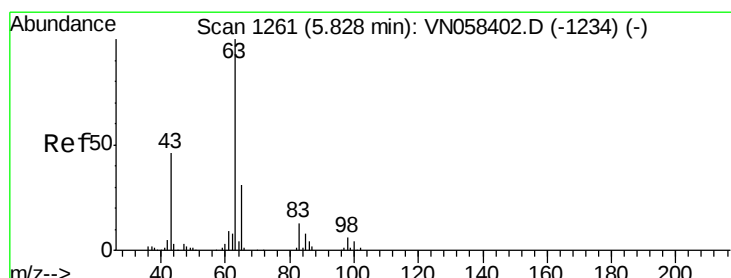
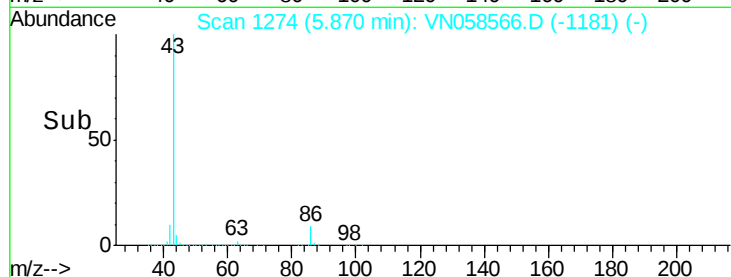
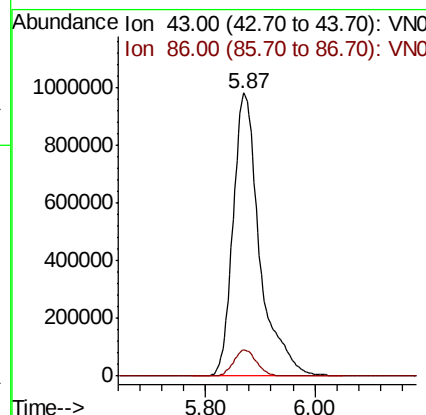
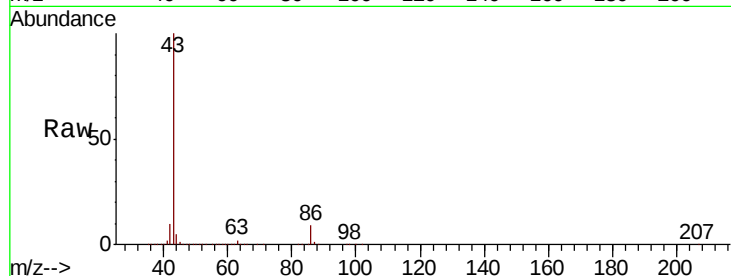
#23
 Vinyl Acetate
 Concen: 290.498 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 332556
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

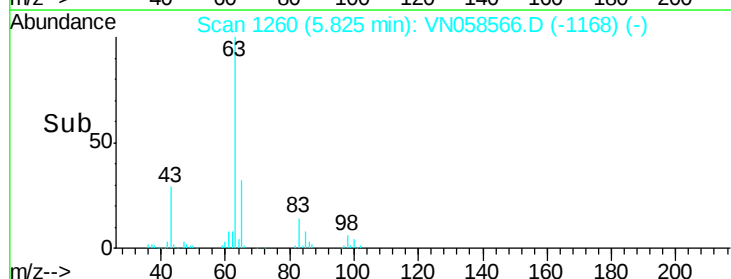
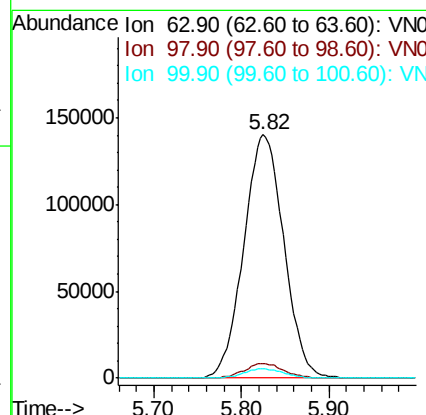
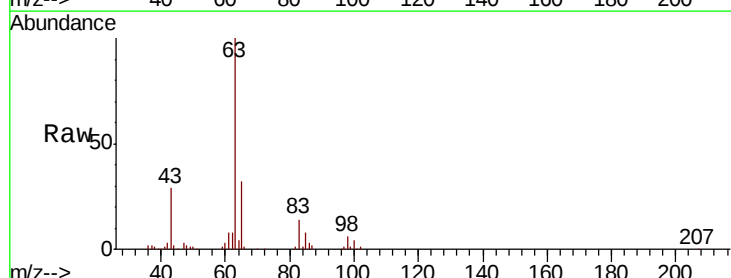
Manual Integrations
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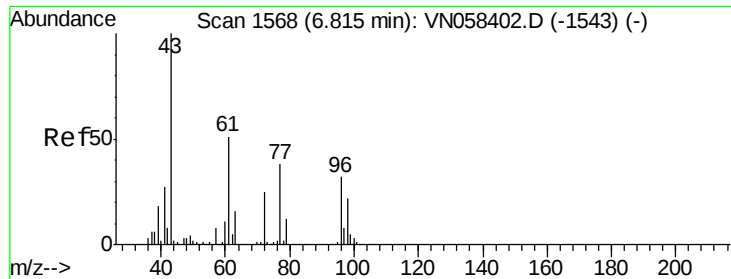
MMDadoda
 10/9/2019 10:50:35 AM



#24
 1,1-Dichloroethane
 Concen: 52.178 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion: 63 Resp: 445839
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 286.191 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804437

Ion Ratio Lower Upper

43 100

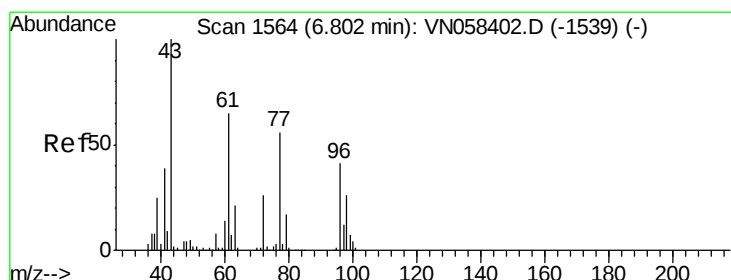
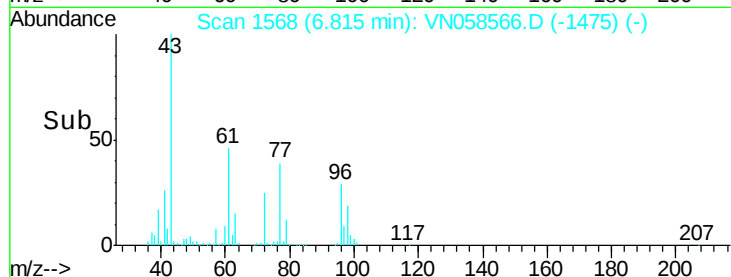
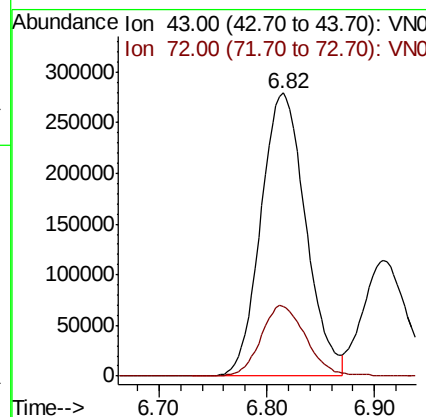
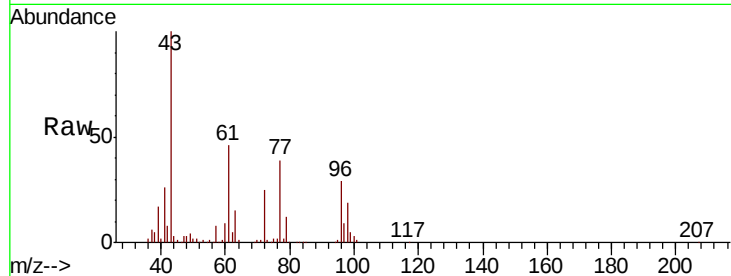
72 24.8 20.2 30.4

Manual Integrations

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10/9/2019 10:50:35 AM



#26

2,2-Dichloropropane

Concen: 56.880 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058566.D

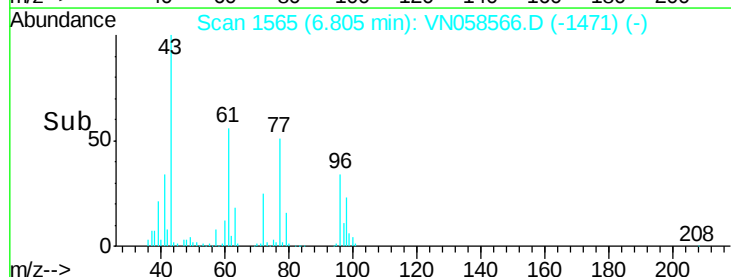
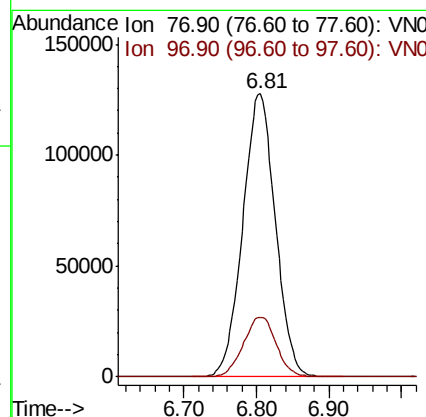
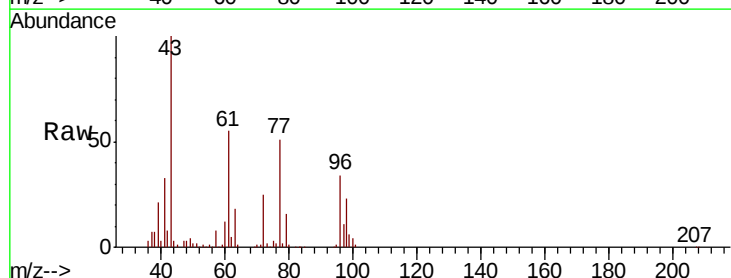
Acq: 7 Oct 2019 14:46

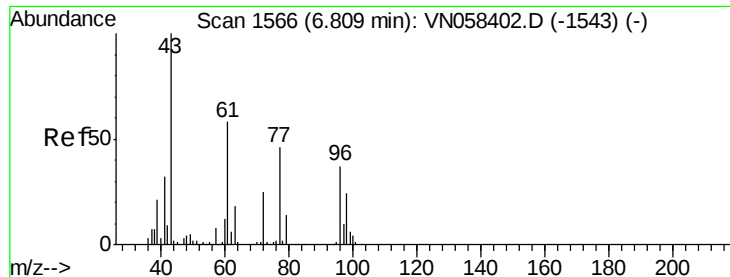
Tgt Ion: 77 Resp: 399560

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 49.959 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

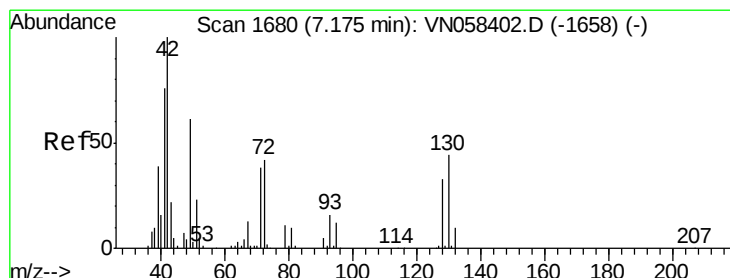
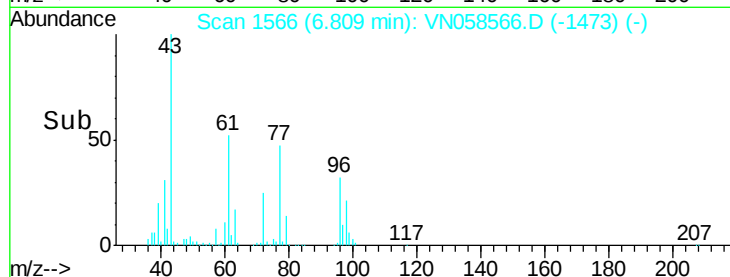
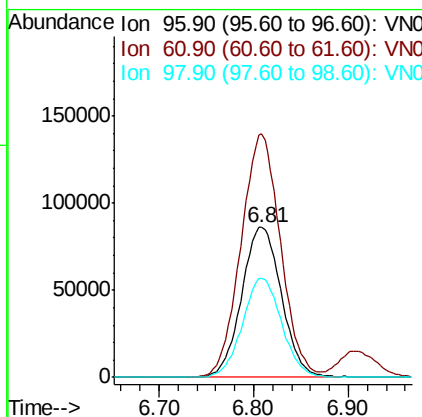
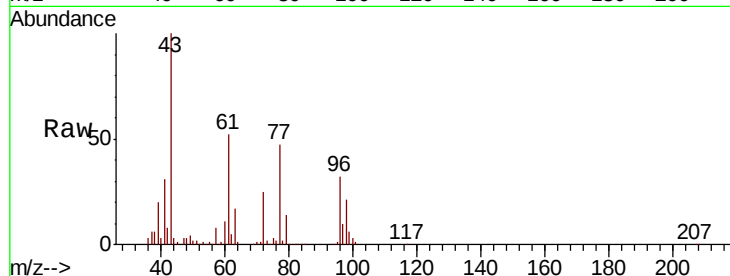
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	251730
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	318.8
98	65.0	0.0	129.8

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#28

Bromochloromethane

Concen: 52.847 ug/l

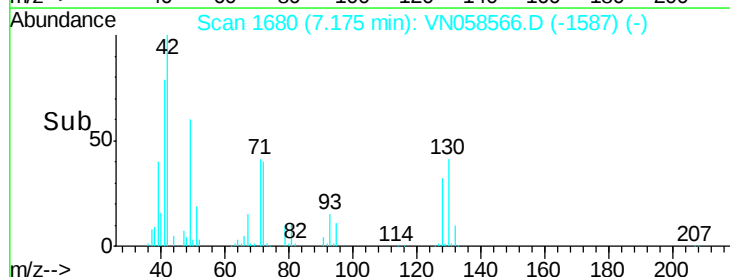
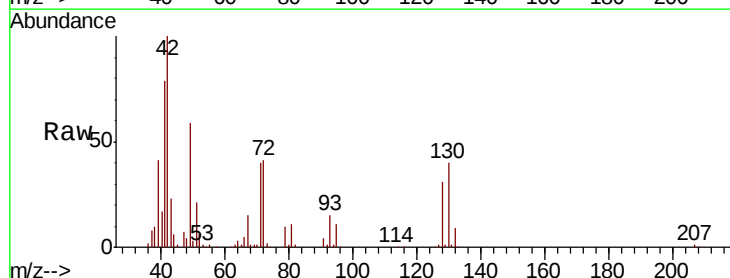
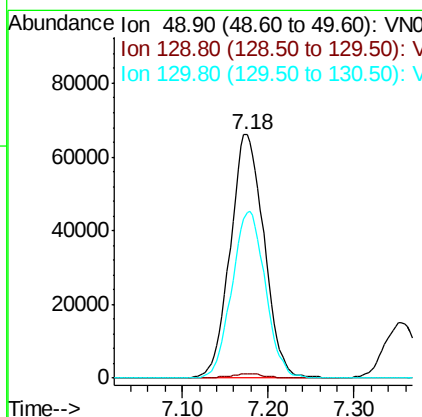
RT: 7.18 min Scan# 1680

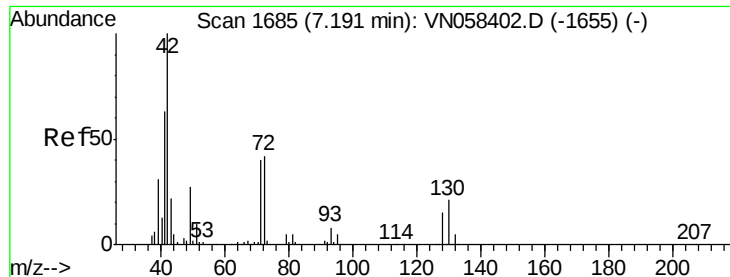
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	49	Resp:	180501
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	67.6	56.3	84.5





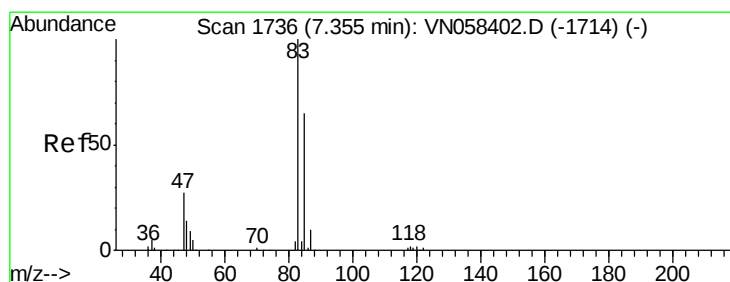
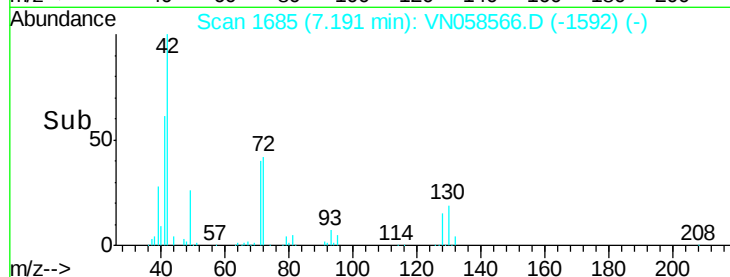
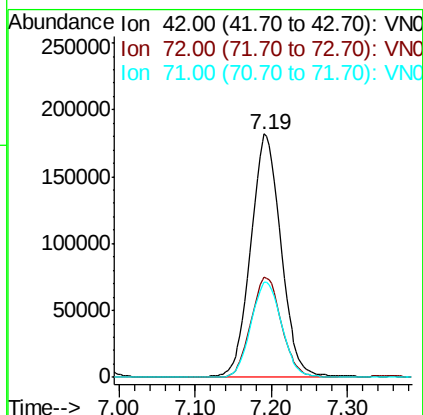
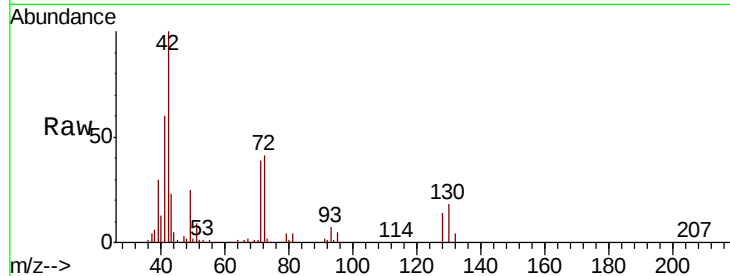
#29
Tetrahydrofuran
Concen: 281.825 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.7	31.8	47.6

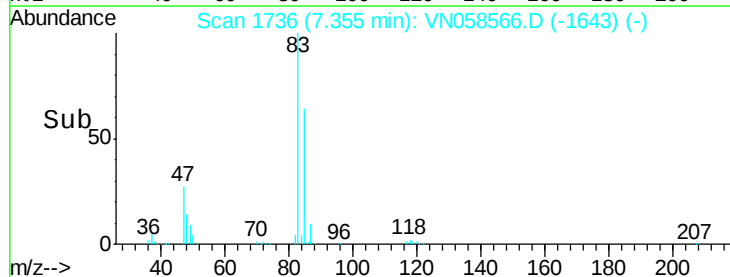
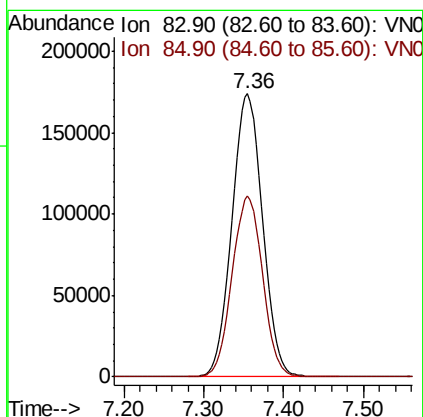
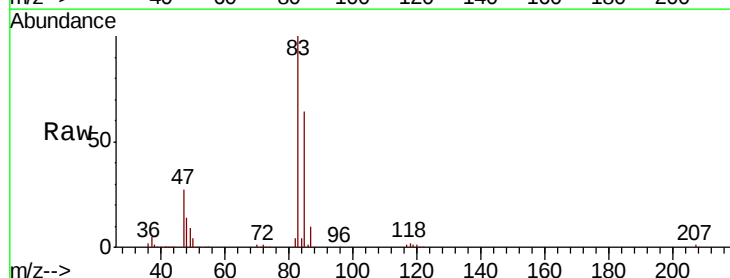
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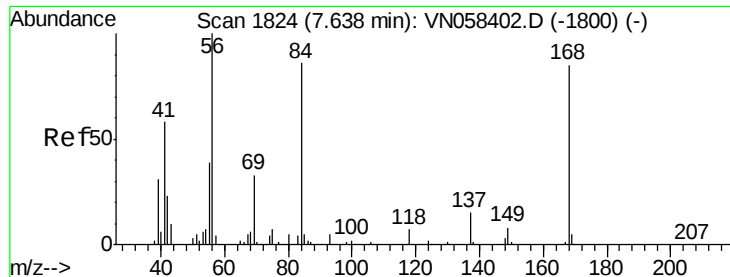
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#30
Chloroform
Concen: 52.021 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0





#31

Cyclohexane

Concen: 45.676 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 379643

Ion Ratio Lower Upper

56 100

69 32.1 26.2 39.4

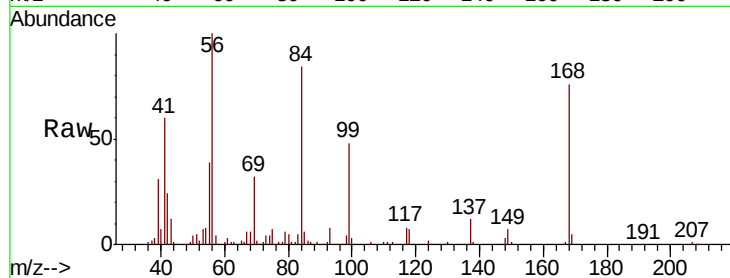
84 83.1 67.6 101.4

Manual Integrations

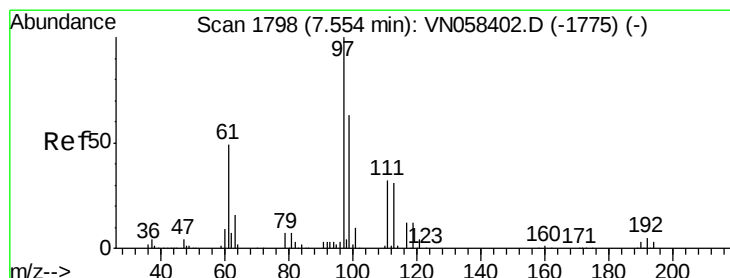
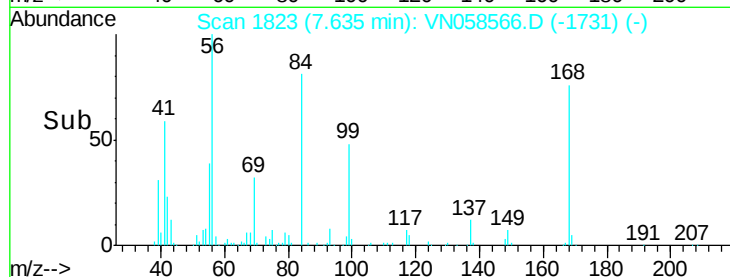
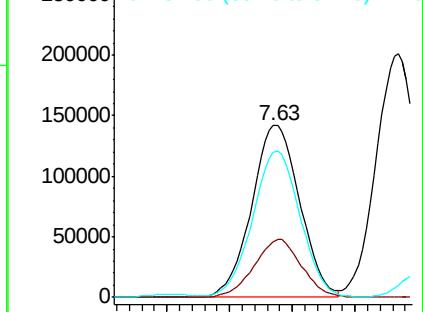
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 54.273 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

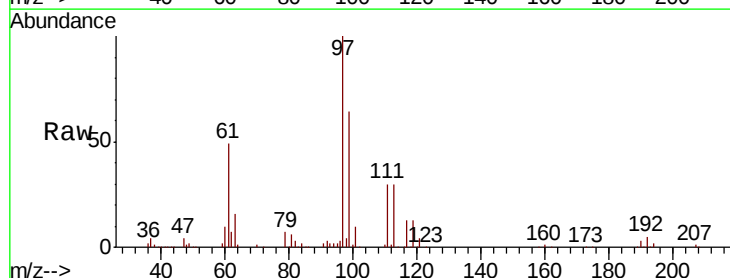
Tgt Ion: 97 Resp: 385897

Ion Ratio Lower Upper

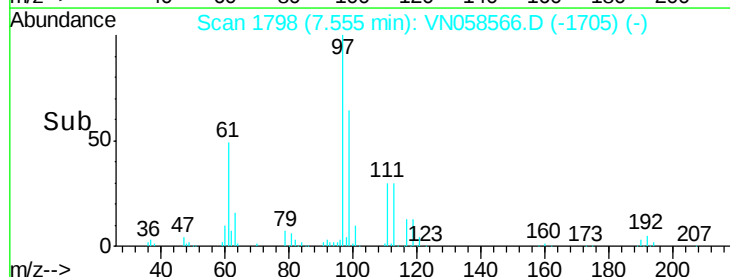
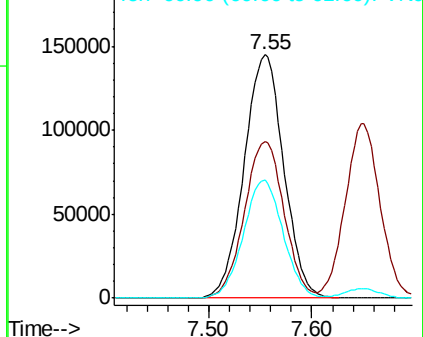
97 100

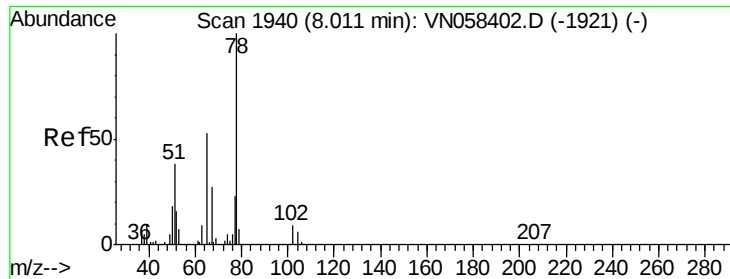
99 64.6 51.1 76.7

61 48.7 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





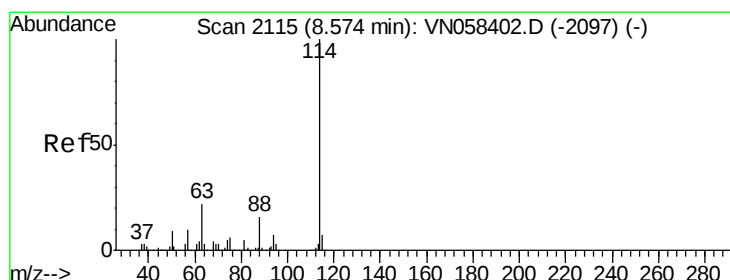
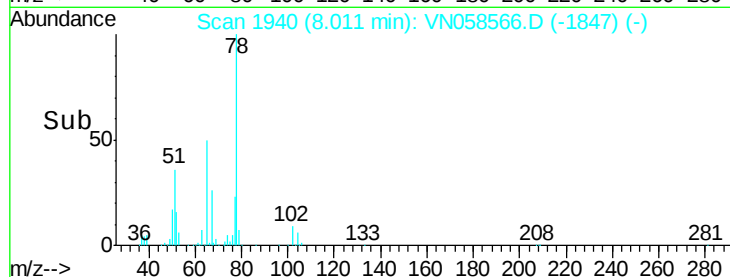
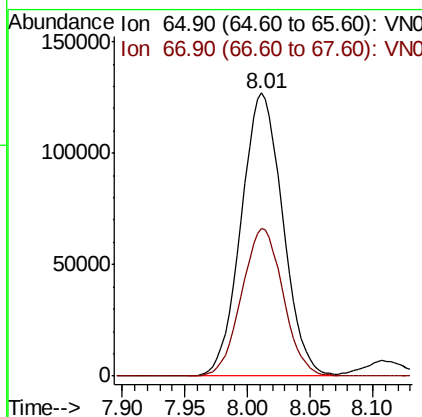
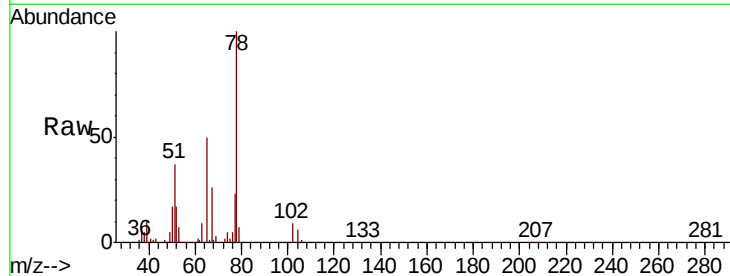
#33
 1,2-Dichloroethane-d4
 Concen: 48.896 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	102.4	

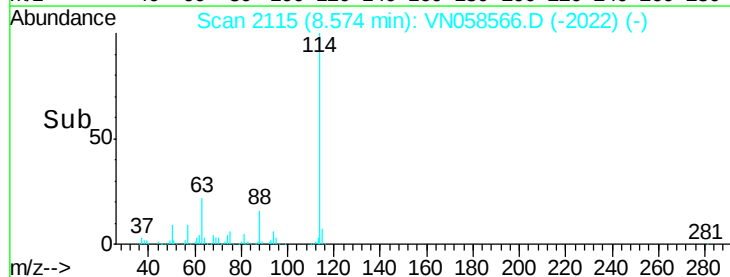
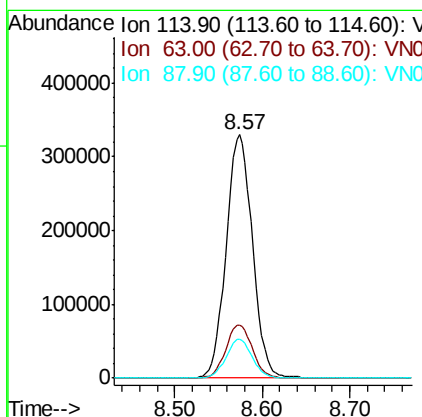
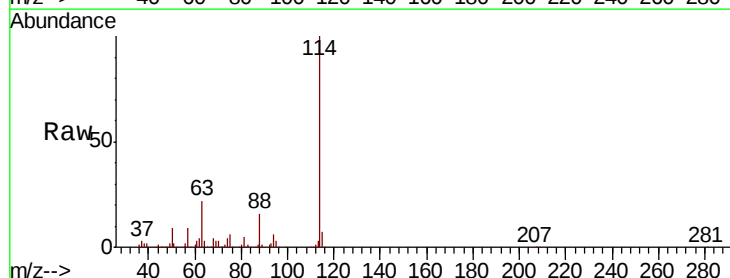
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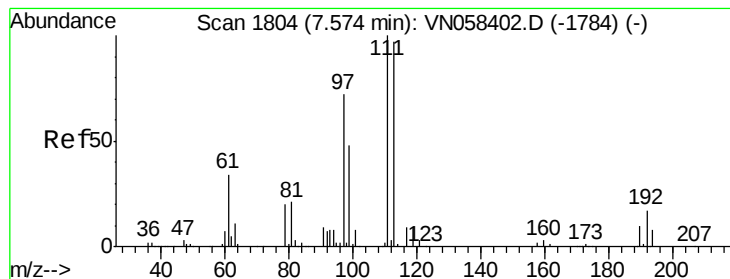
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	45.0	
88	16.2	0.0	32.2	





#35

Dibromofluoromethane

Concen: 50.321 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

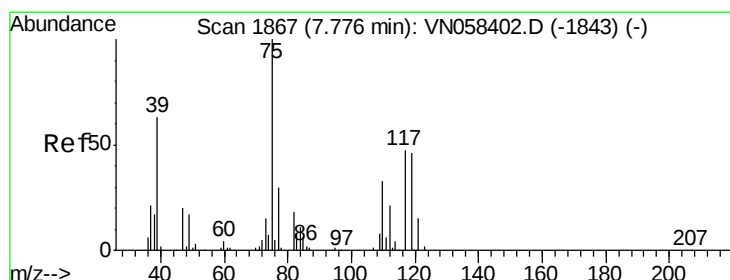
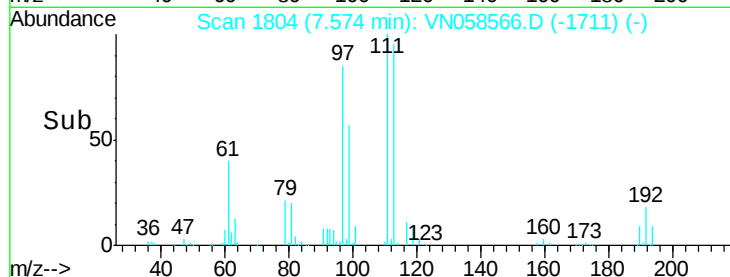
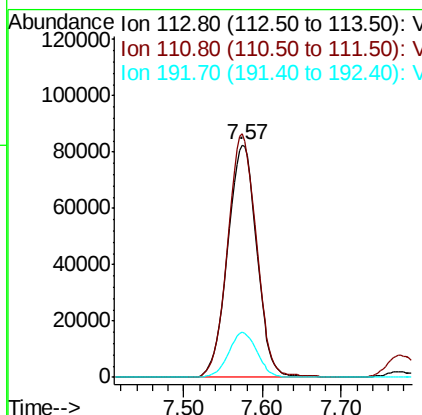
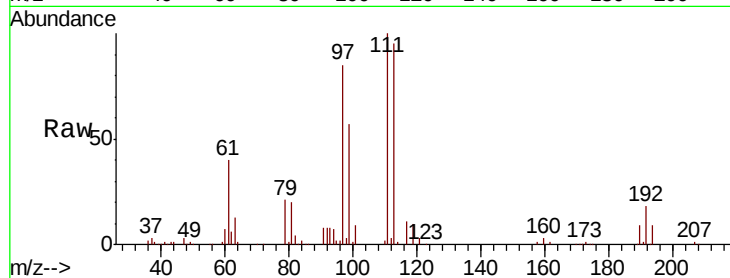
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	212082
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.4	125.2
192	19.0	14.9	22.3

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#36

1,1-Dichloropropene

Concen: 49.196 ug/l

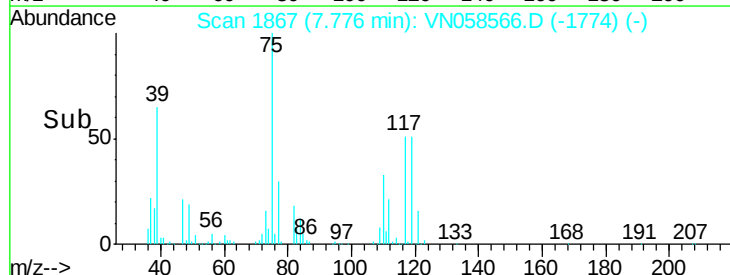
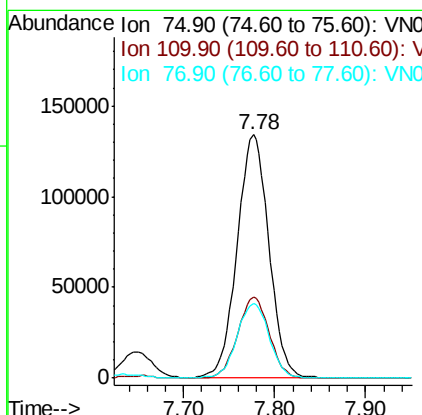
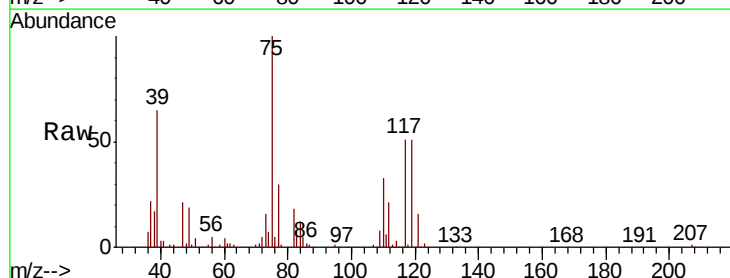
RT: 7.78 min Scan# 1867

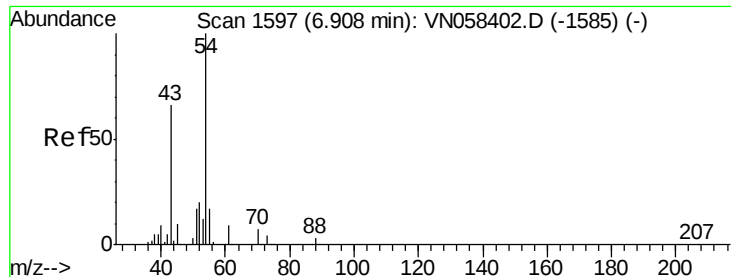
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	75	Resp:	323481
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.2
77	31.3	24.3	36.5





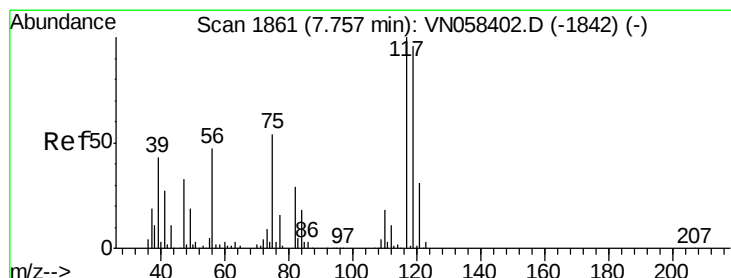
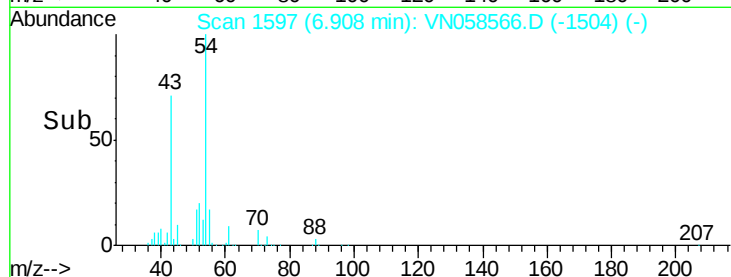
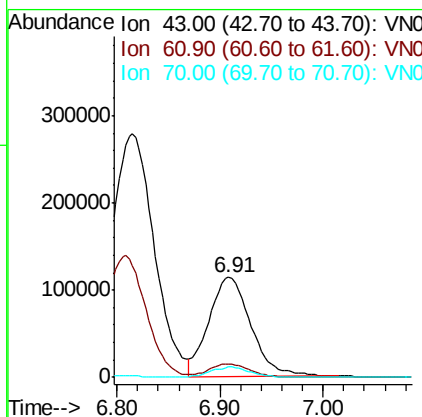
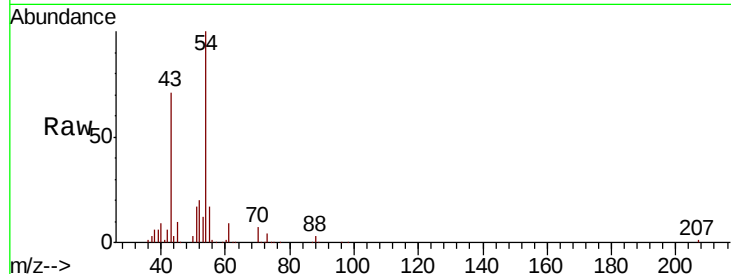
#37
Ethyl Acetate
Concen: 57.987 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.8	7.8	11.6

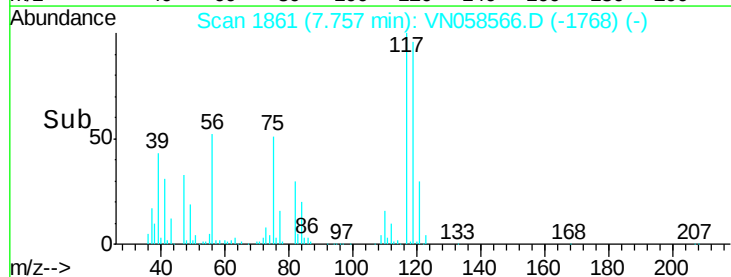
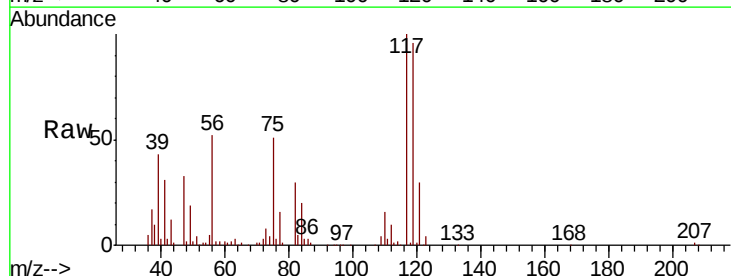
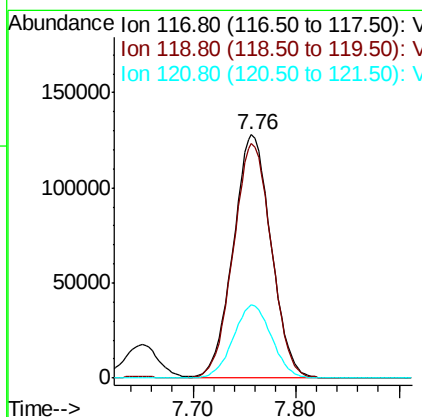
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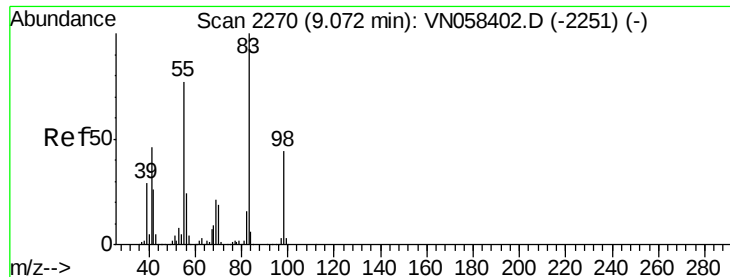
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#38
Carbon Tetrachloride
Concen: 55.213 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	115.0
121	29.9	24.7	37.1





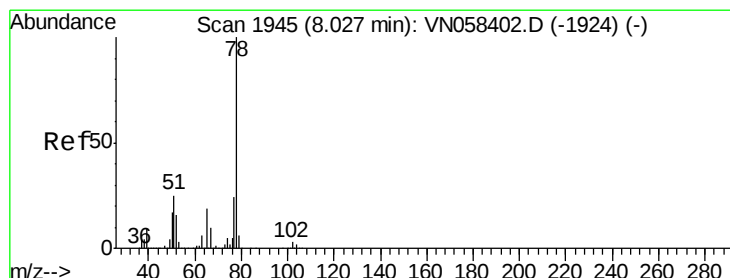
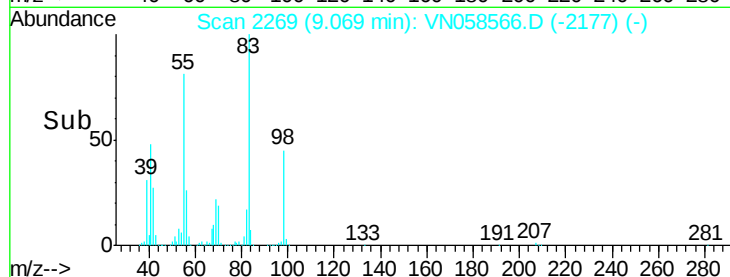
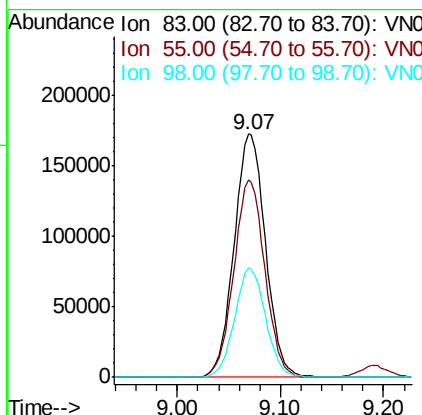
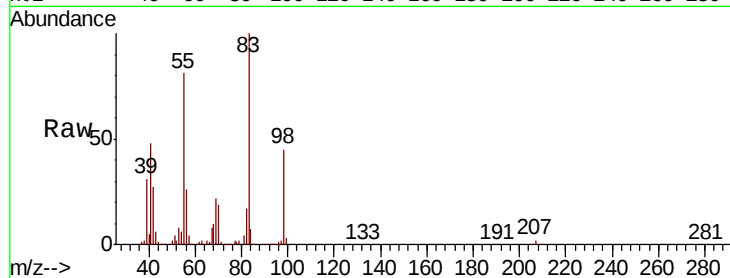
#39
Methylvlcvclohexane
Concen: 47.600 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.8	92.6
98	44.9	35.4	53.0

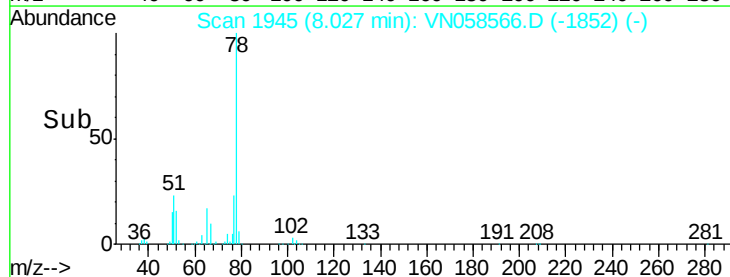
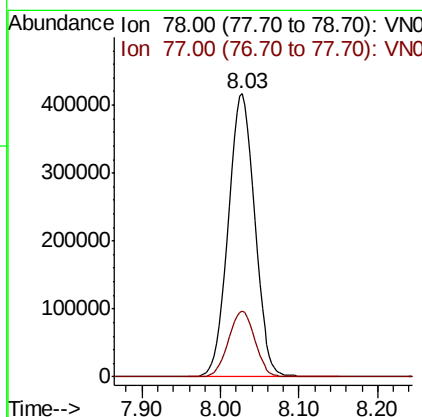
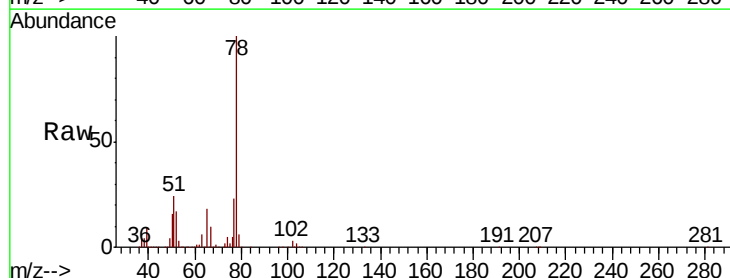
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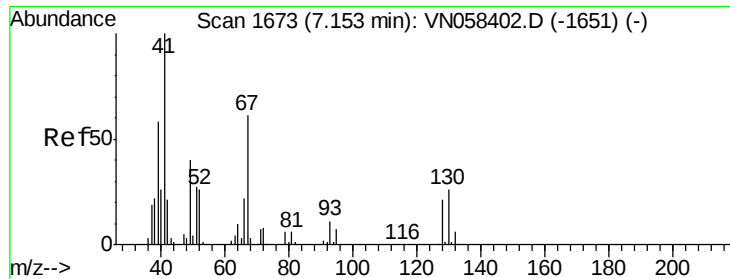
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#40
Benzene
Concen: 51.479 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





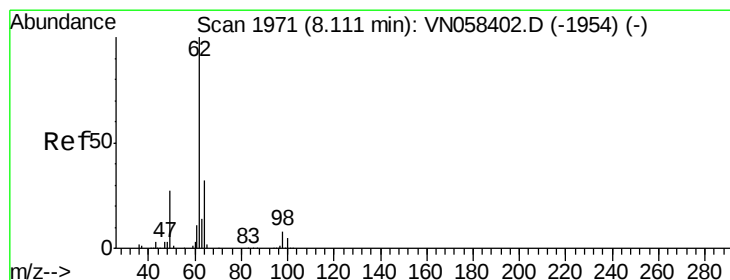
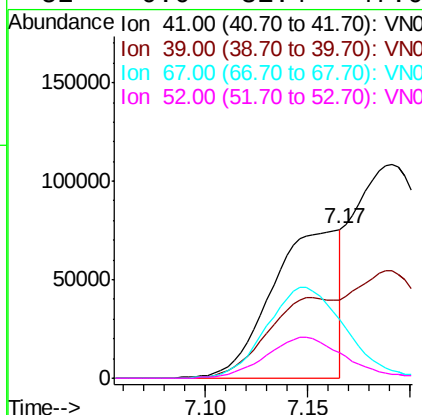
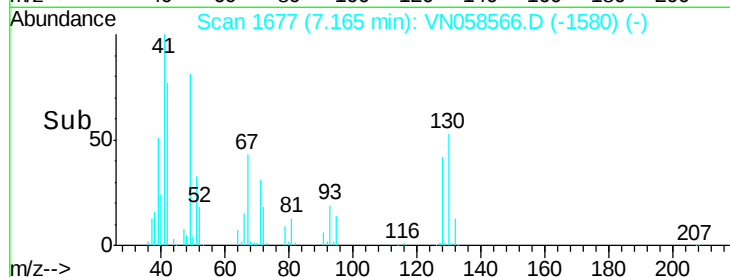
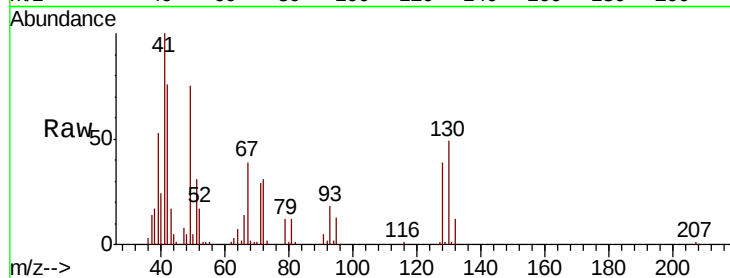
#41
Methacrylonitrile
Concen: 67.726 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

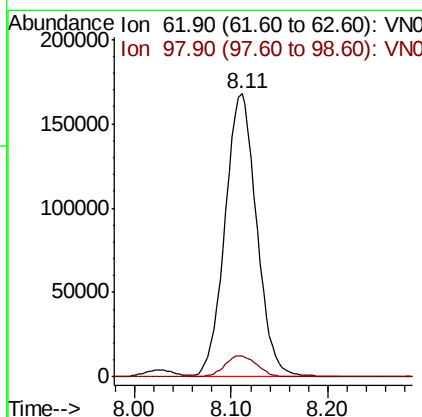
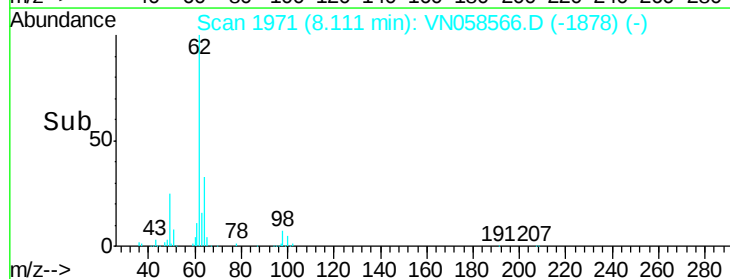
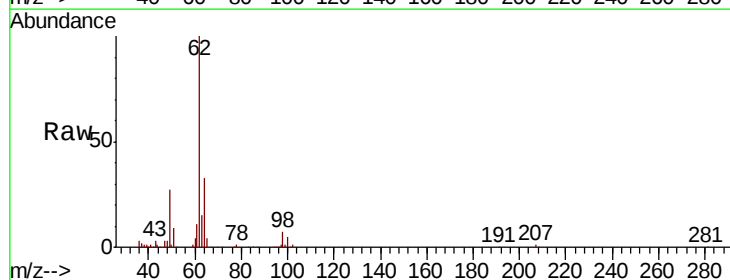
Manual Integrations
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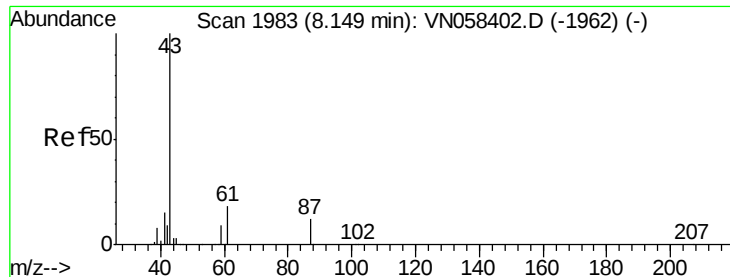
MMDadoda
10/9/2019 10:50:35 AM



#42
1,2-Dichloroethane
Concen: 51.644 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 54.363 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

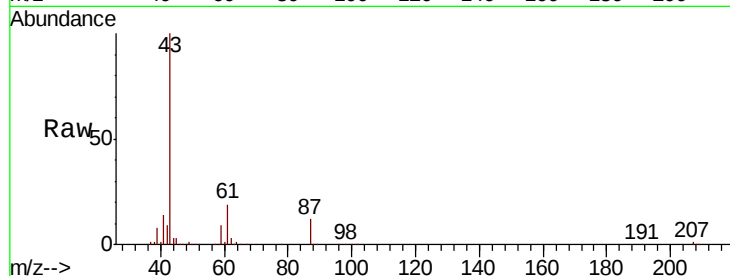
ClientSampleId :

VSTDCCC050

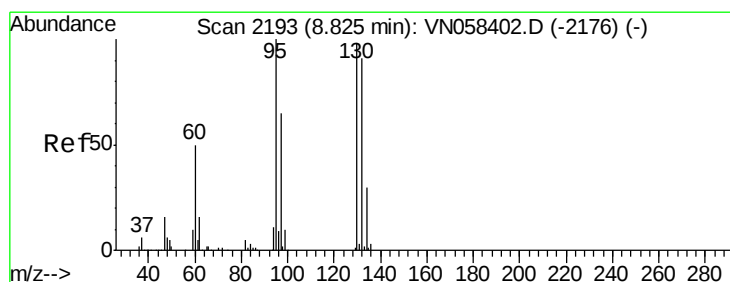
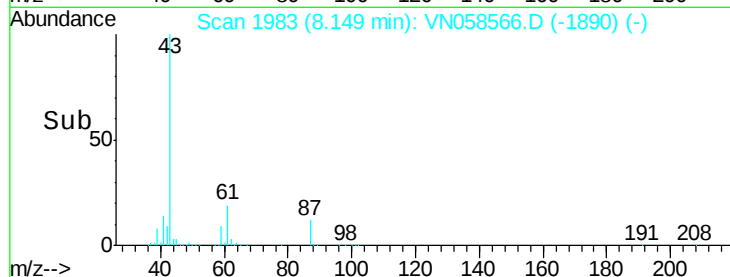
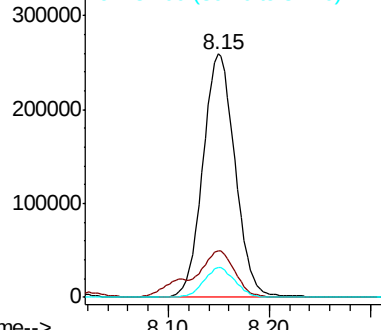
Tot Ion:	43	Resp:	569901
Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.8	22.2
87	12.0	9.7	14.5

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Abundance Ion 43.00 (42.70 to 43.70): VN058566.D (-1890) (-)



#44

Trichloroethene

Concen: 51.323 ug/l

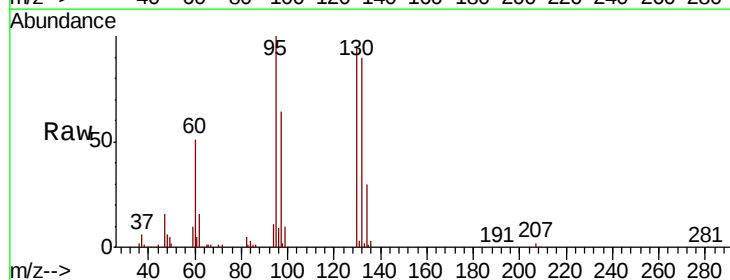
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

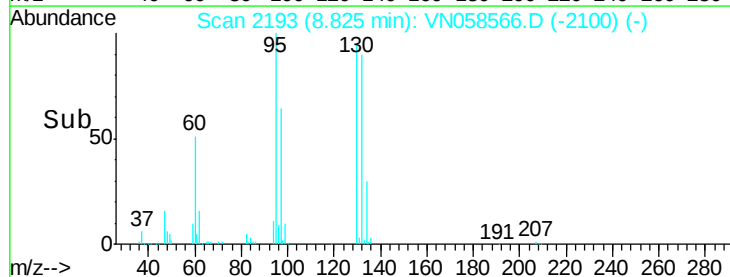
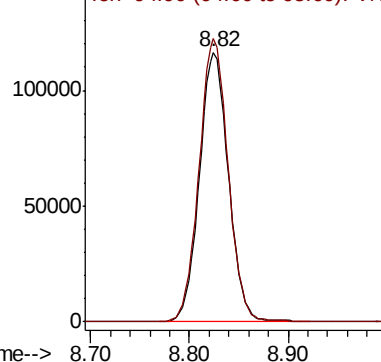
Lab File: VN058566.D

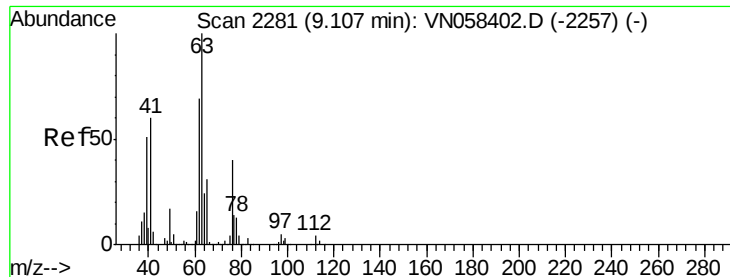
Acq: 7 Oct 2019 14:46

Tgt Ion:	130	Resp:	239520
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058566.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 53.196 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 269652

Ion Ratio Lower Upper

63 100

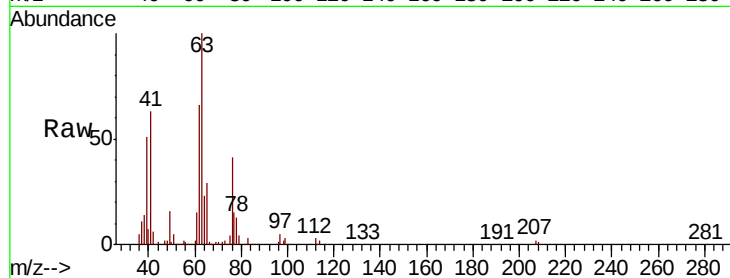
65 29.5 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN058566.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058566.D (-2188) (-)

9.11

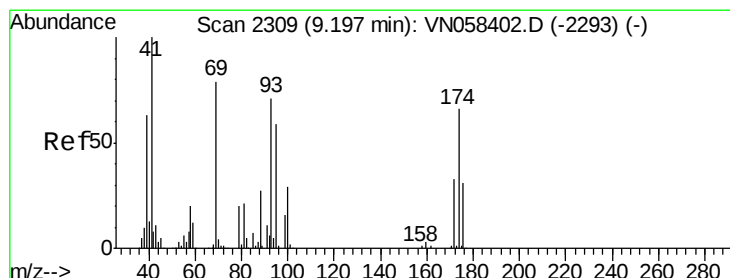
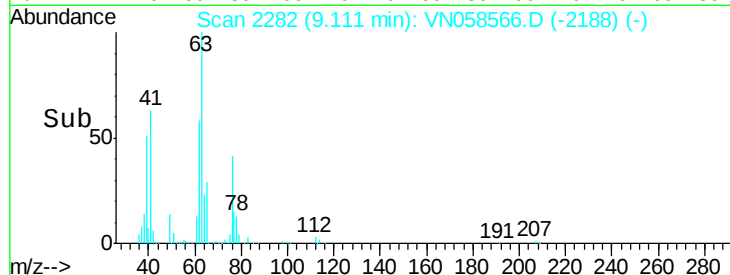
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.575 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

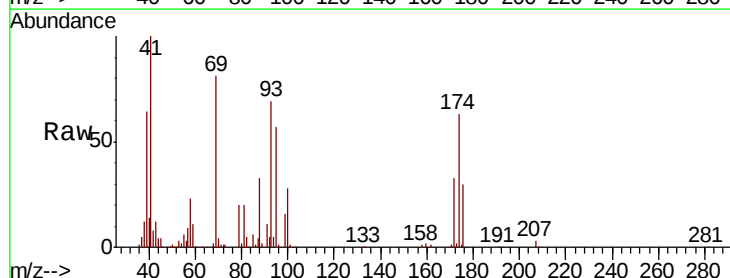
Tgt Ion: 93 Resp: 168775

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 90.5 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VN058566.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058566.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058566.D (-2216) (-)

9.20

100000

80000

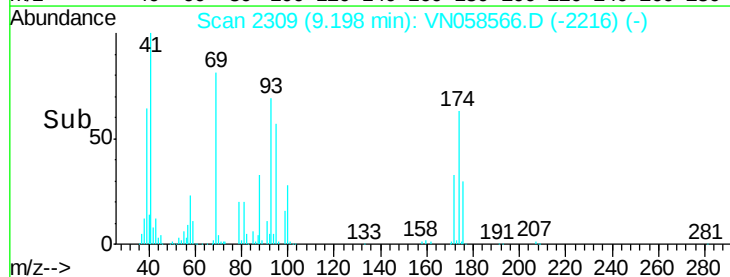
60000

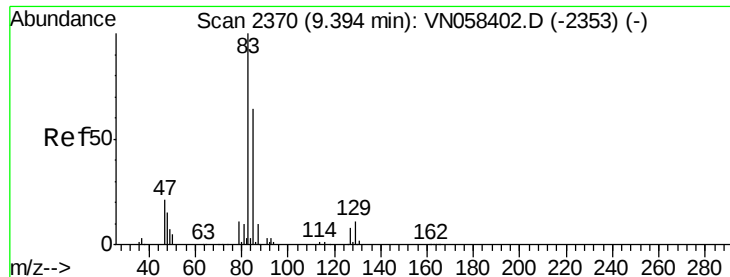
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 56.643 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

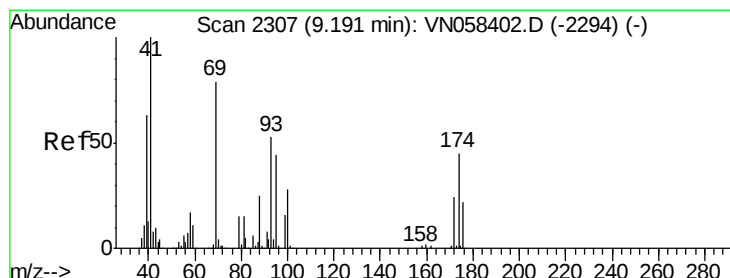
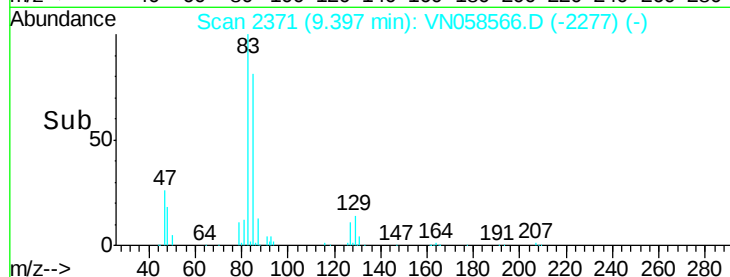
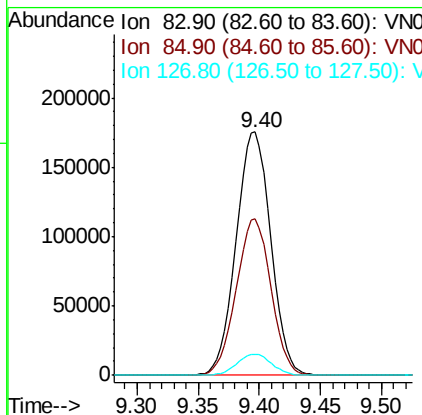
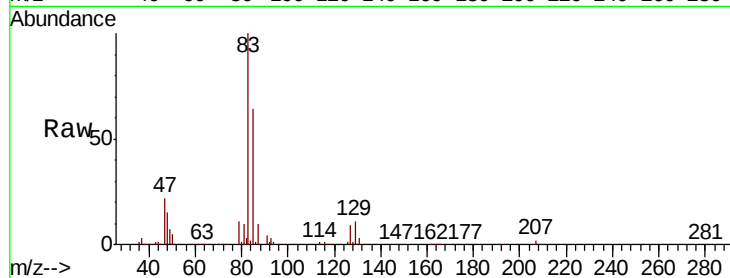
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	344514
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.2	76.8
127	8.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.984 ug/l

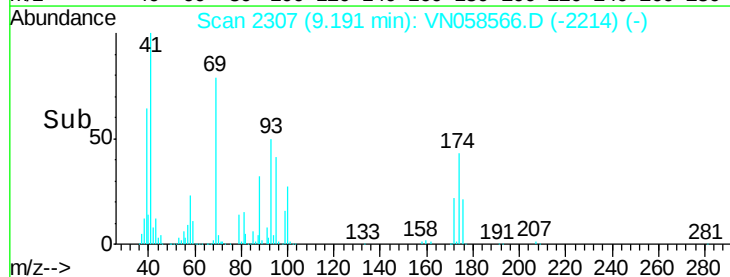
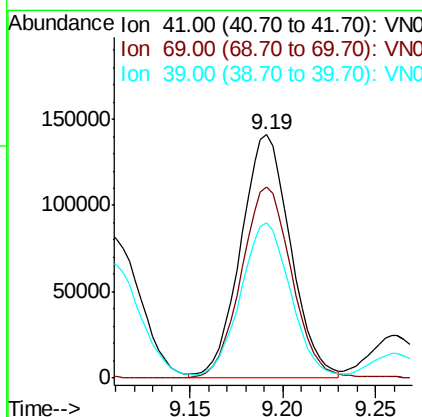
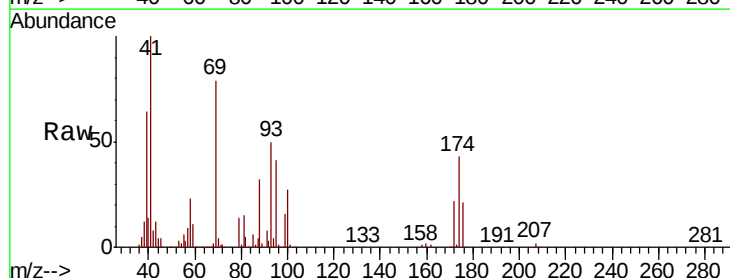
RT: 9.19 min Scan# 2307

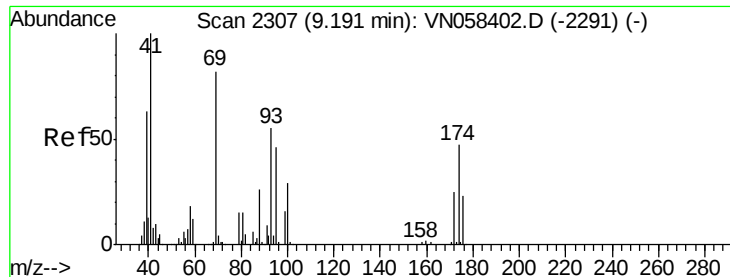
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	41	Resp:	262466
Ion Ratio	Lower	Upper	
41	100		
69	80.3	64.7	97.1
39	64.1	52.9	79.3





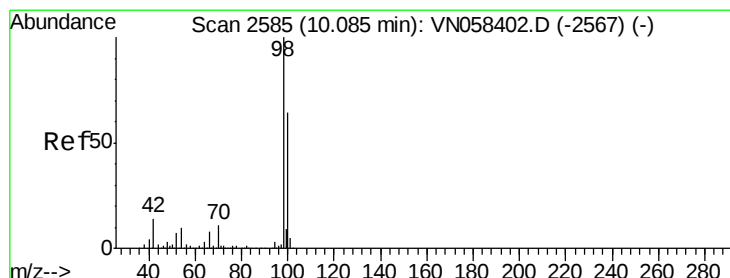
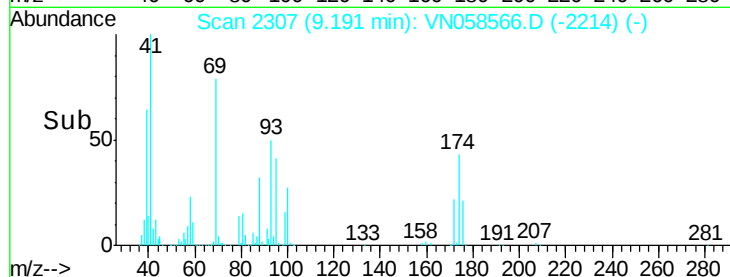
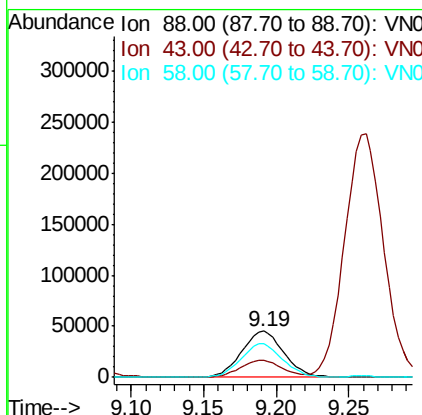
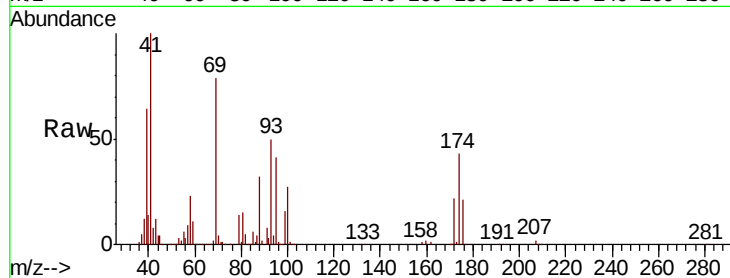
#49
1,4-Dioxane
Concen: 1438.569 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	31.1	46.7
58	71.9	58.1	87.1

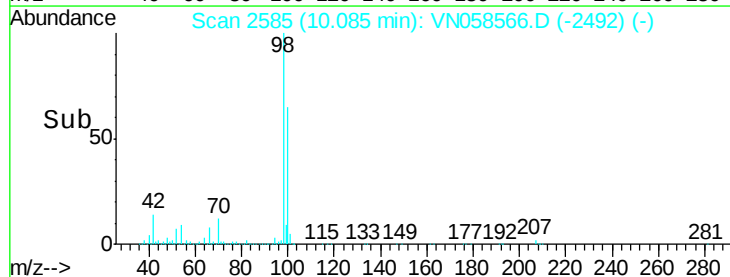
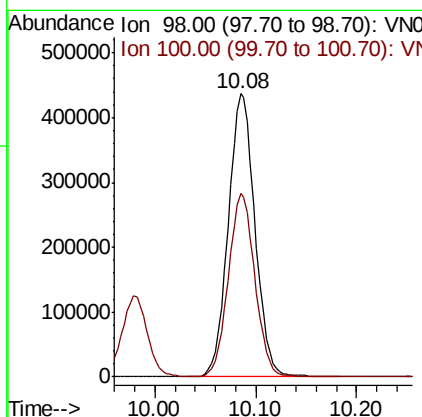
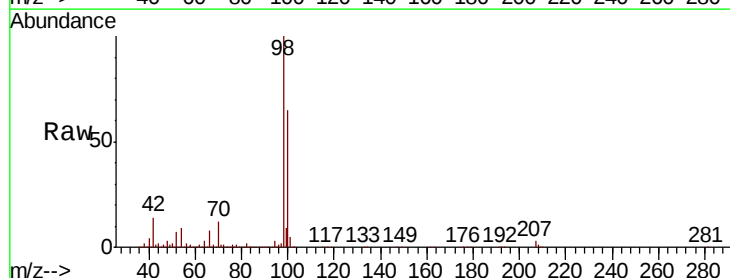
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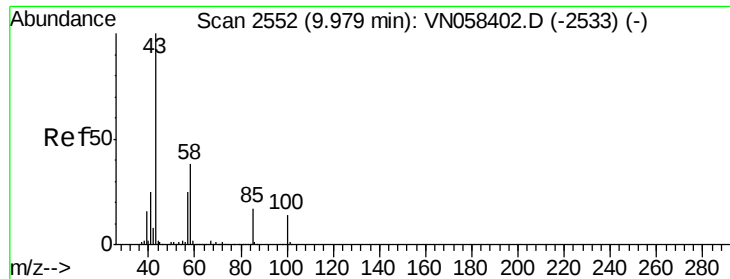
MMDadoda
10/9/2019 10:50:35 AM



#50
Toluene-d8
Concen: 48.762 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 307.289 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1654712

Ion Ratio Lower Upper

43 100

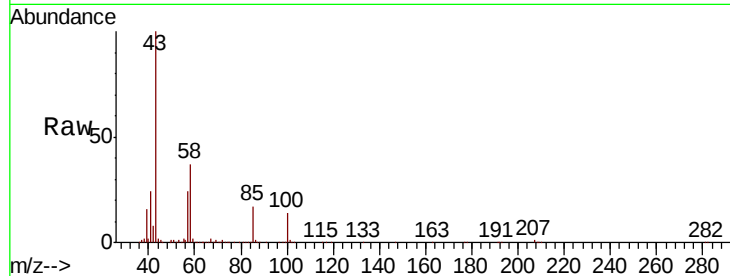
58 37.1 30.2 45.2

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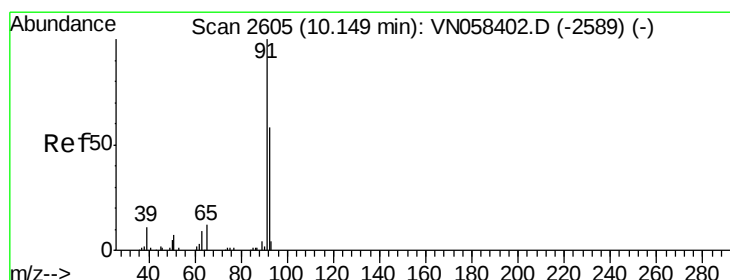
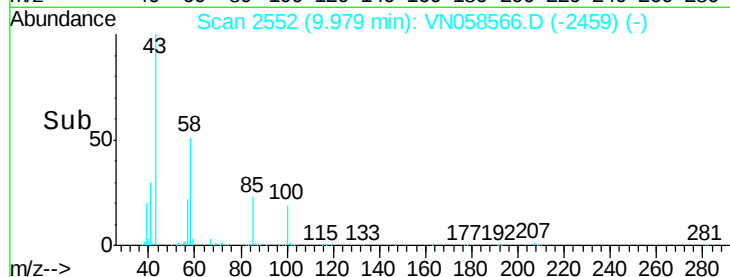
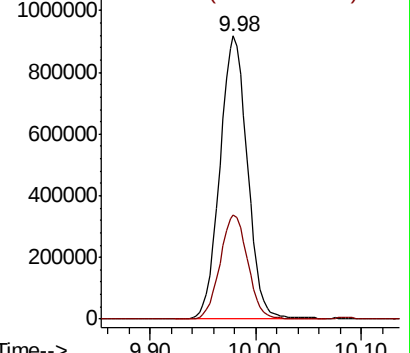
MMDadoda

10/9/2019 10:50:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.814 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058566.D

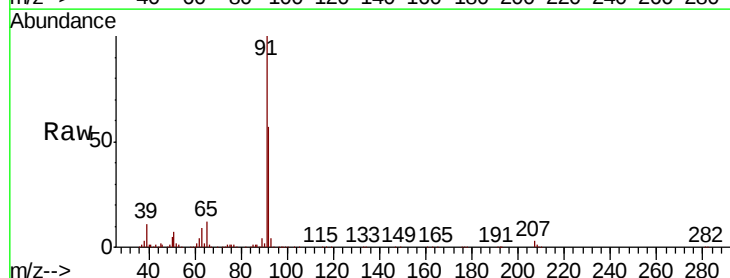
Acq: 7 Oct 2019 14:46

Tgt Ion: 92 Resp: 592624

Ion Ratio Lower Upper

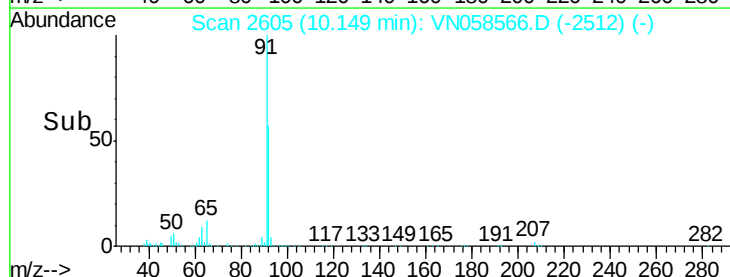
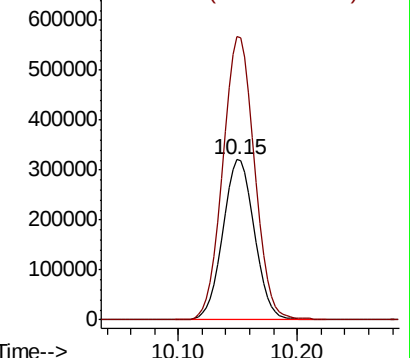
92 100

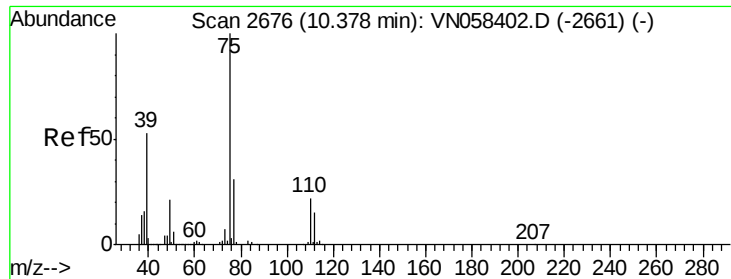
91 177.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 60.228 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 398712

Ion Ratio Lower Upper

75 100

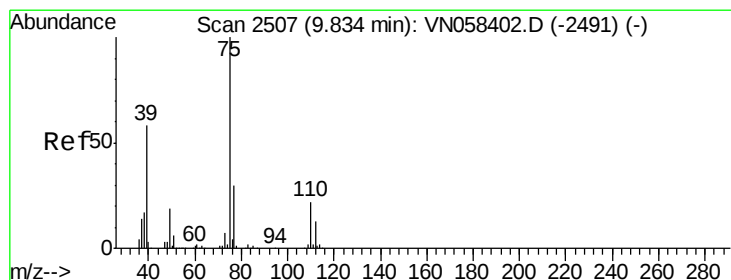
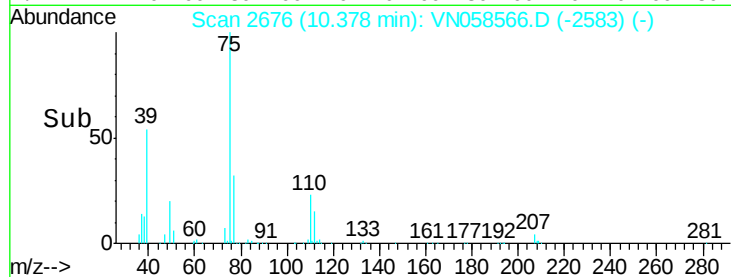
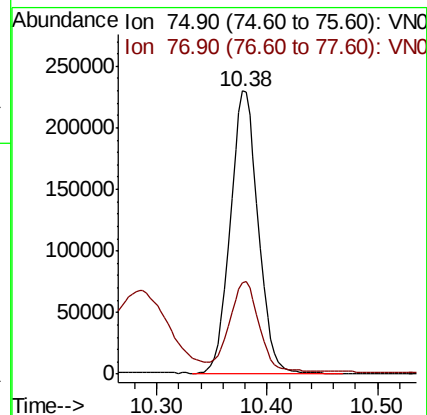
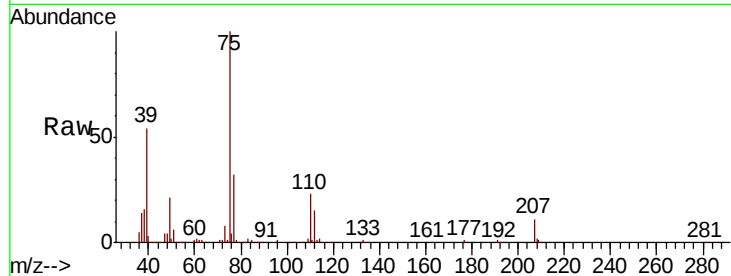
77 31.6 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 57.409 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

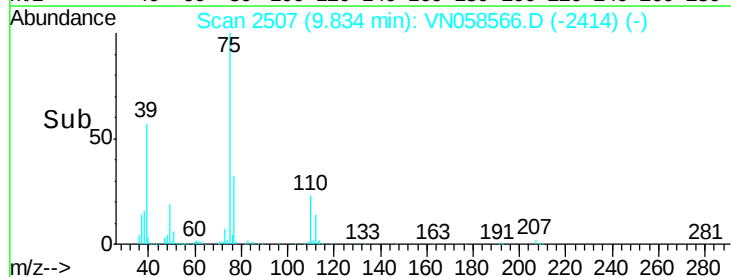
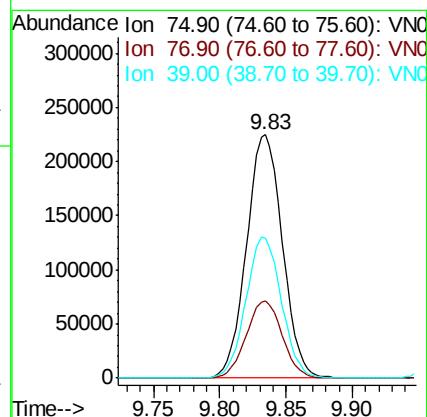
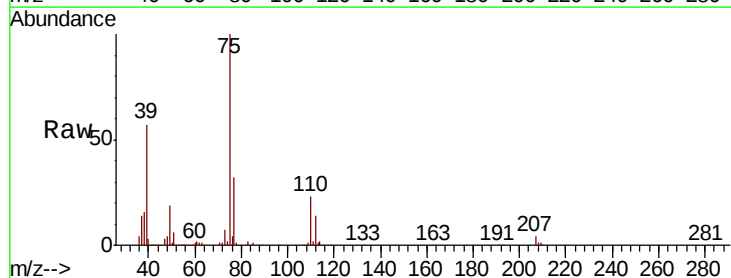
Tgt Ion: 75 Resp: 421873

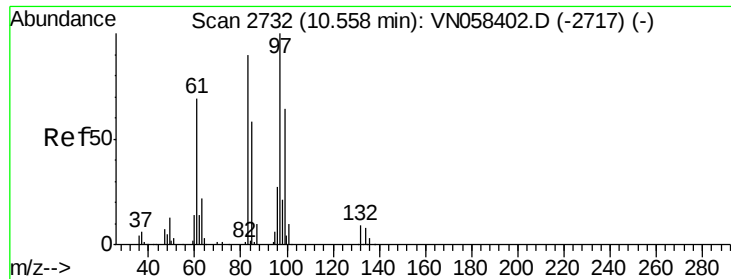
Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4

39 57.4 46.4 69.6





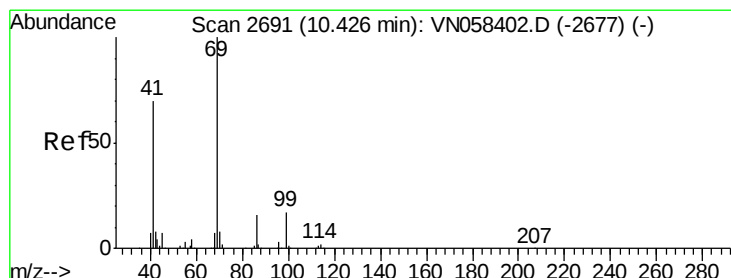
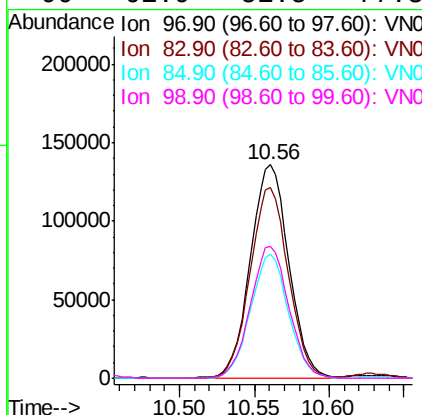
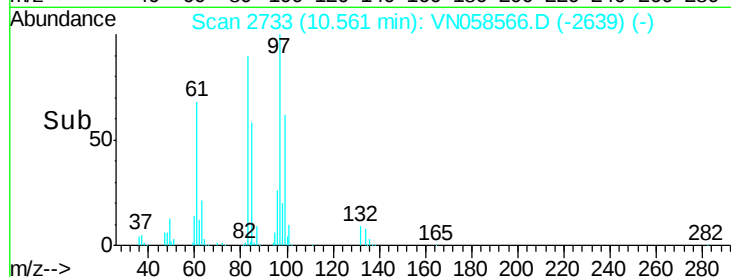
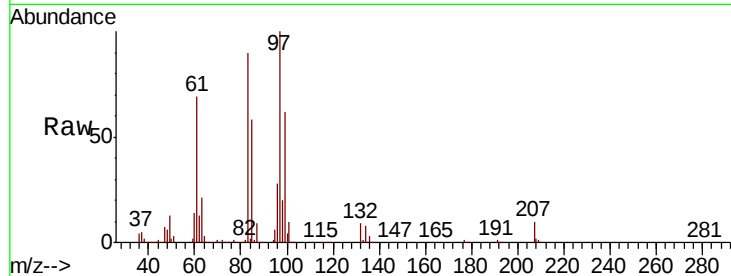
#55
 1,1,2-Trichloroethane
 Concen: 56.298 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	243872
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.8	107.6
85	58.2	46.6	69.8
99	61.9	51.5	77.3

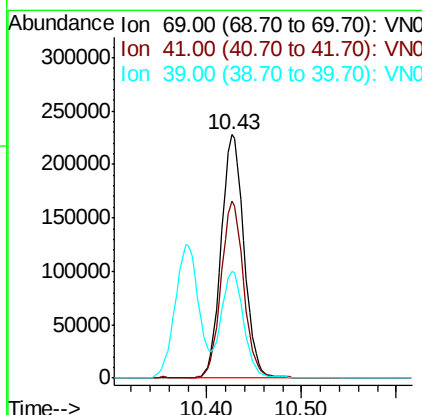
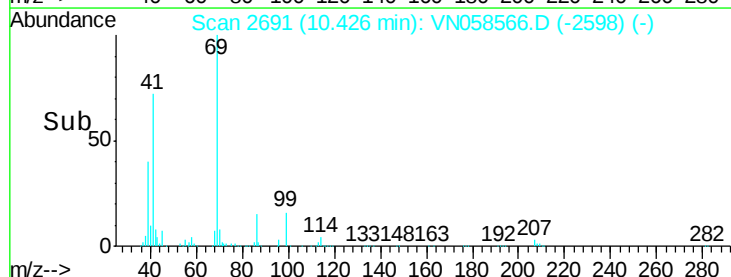
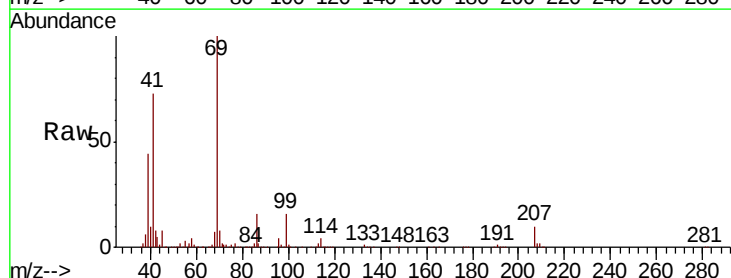
Manual Integrations
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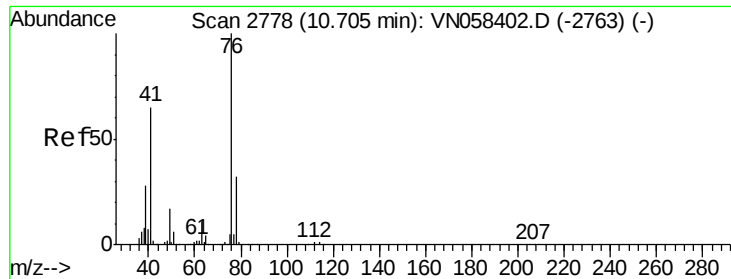
MMDadoda
 10/9/2019 10:50:35 AM



#56
 Ethyl methacrylate
 Concen: 58.025 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion:	69	Resp:	381401
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.3	84.5
39	43.5	35.8	53.6





#57

1,3-Dichloropropane

Concen: 54.298 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 419541

Ion Ratio Lower Upper

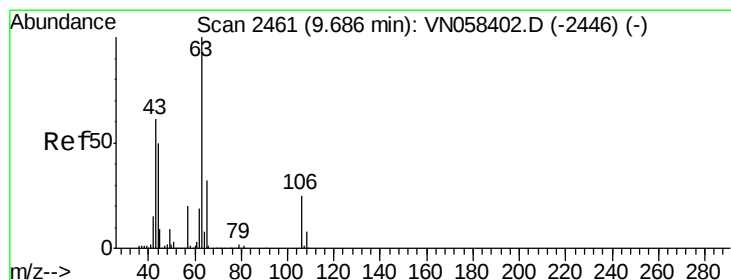
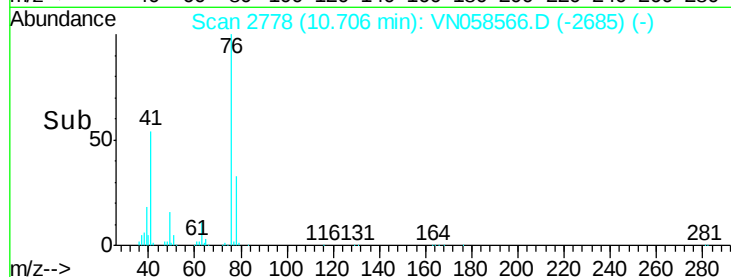
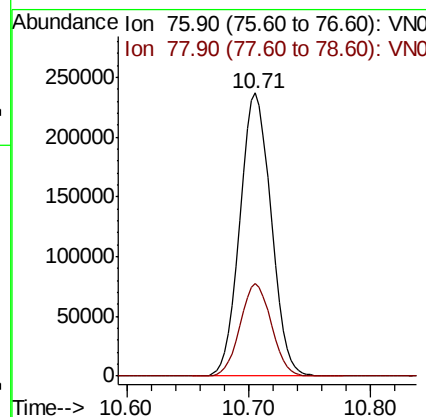
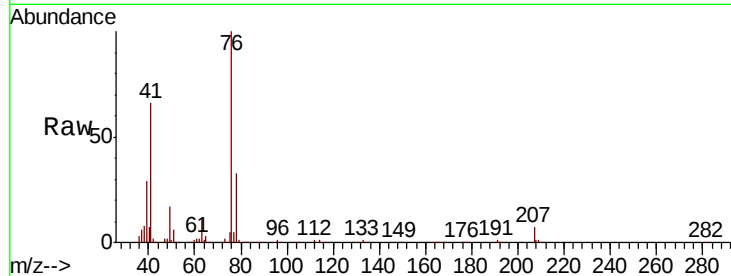
76 100

78 32.8 25.7 38.5

Manual Integrations
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10/9/2019 10:50:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 341.031 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058566.D

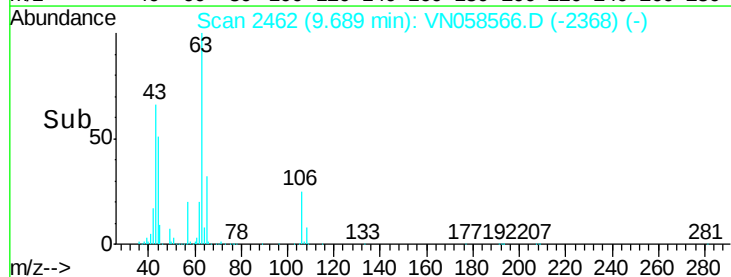
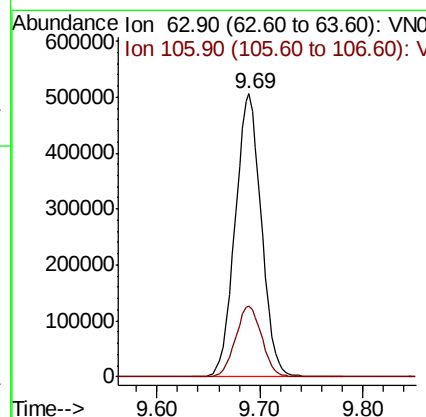
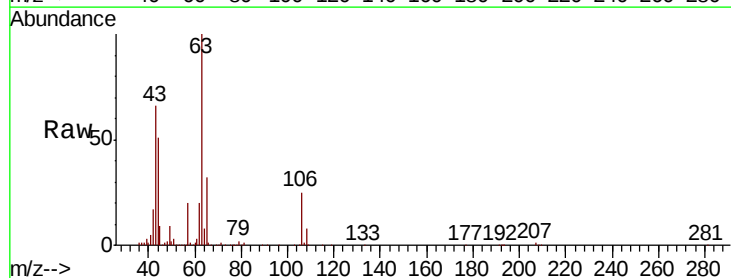
Acq: 7 Oct 2019 14:46

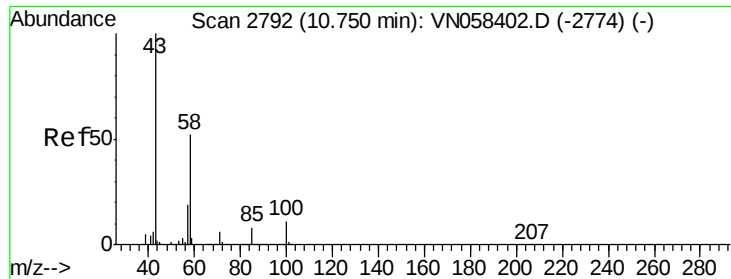
Tgt Ion: 63 Resp: 893837

Ion Ratio Lower Upper

63 100

106 25.3 20.3 30.5





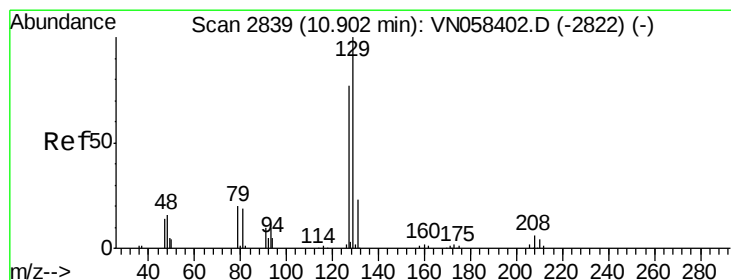
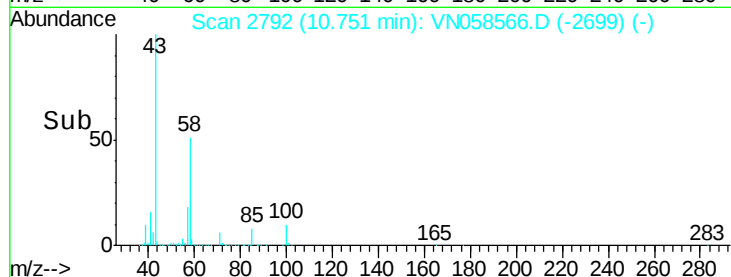
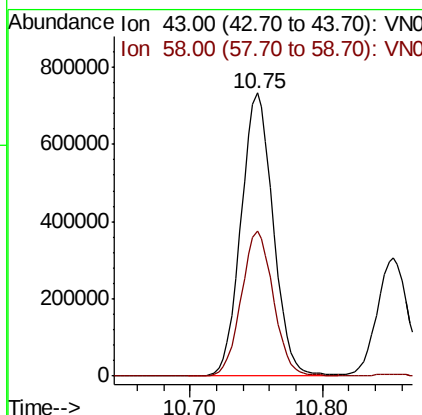
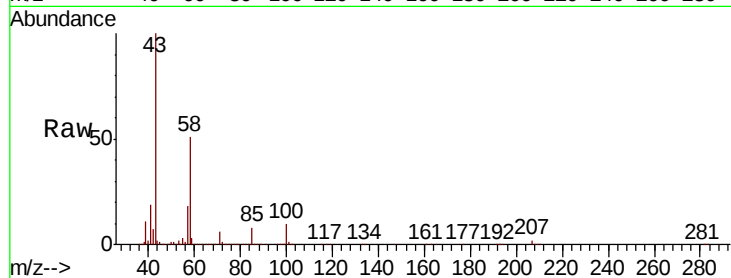
#59
2-Hexanone
Concen: 313.698 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1230010
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

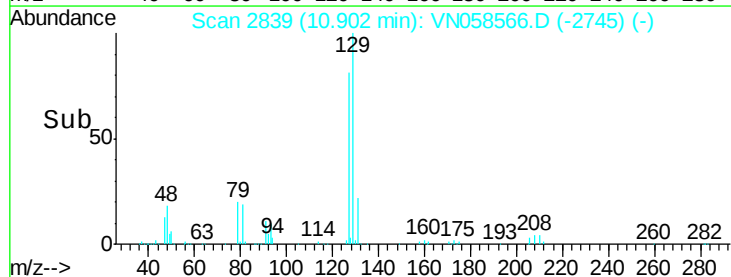
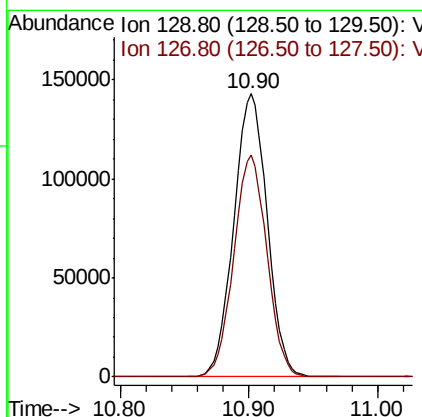
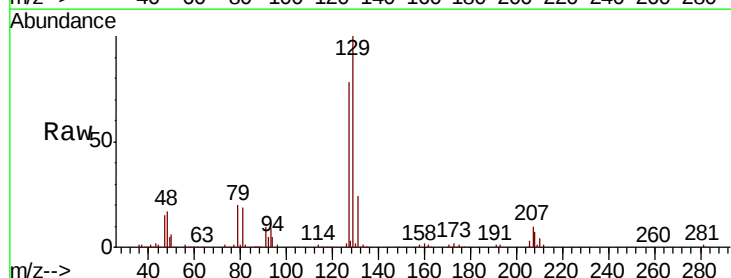
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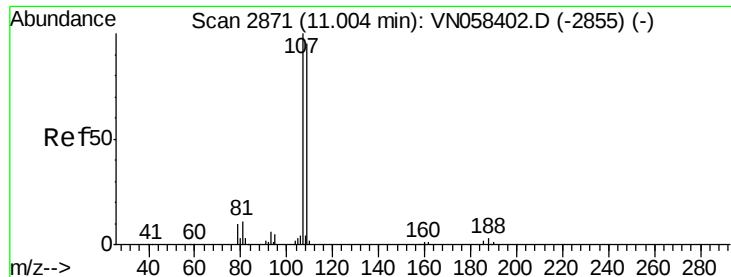
MMDadoda
10/9/2019 10:50:35 AM



#60
Dibromochloromethane
Concen: 57.489 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 129 Resp: 257510
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 56.271 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 249066

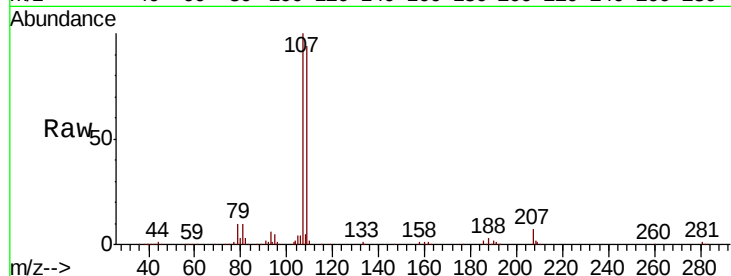
Ion Ratio Lower Upper

107 100

109 92.8 75.3 112.9

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

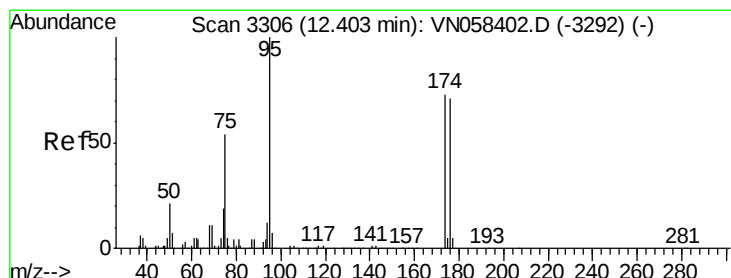
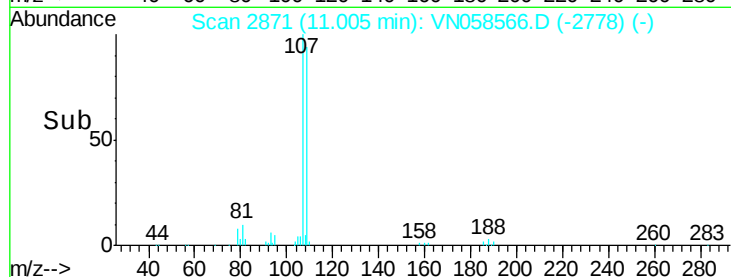
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.578 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

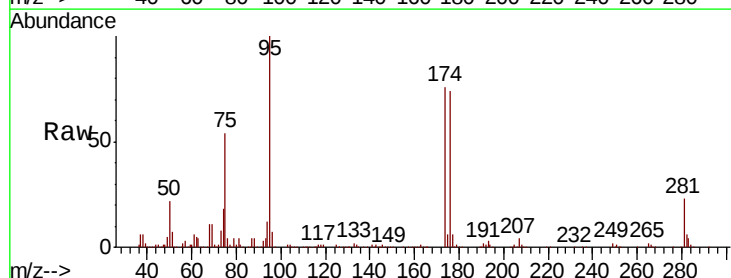
Tgt Ion: 95 Resp: 307913

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 73.6 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

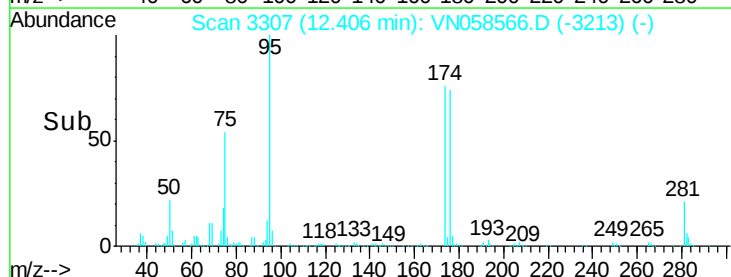
150000

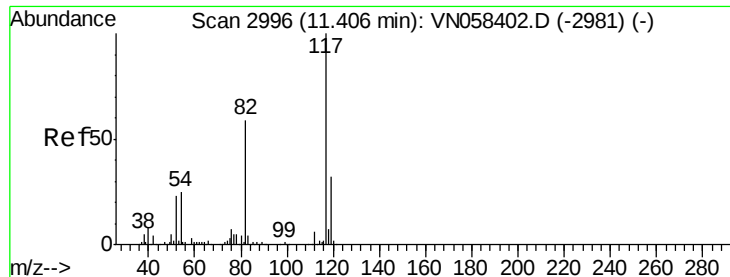
100000

50000

0

Time-->





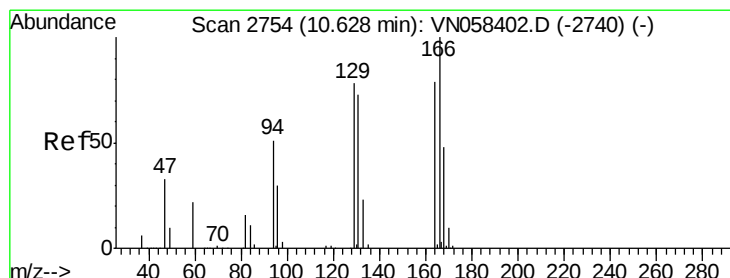
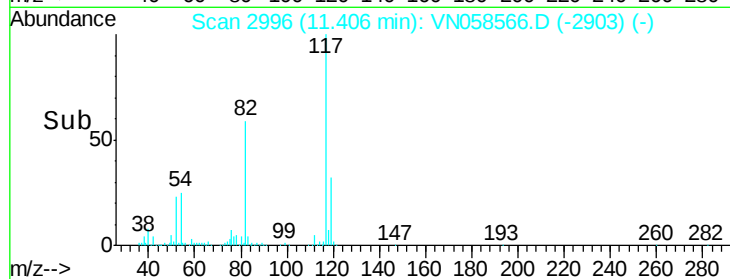
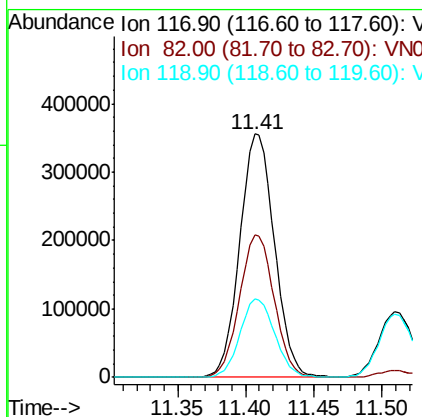
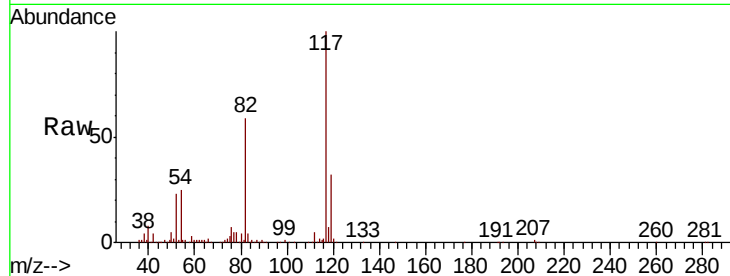
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.0
119	32.0	25.5	38.3

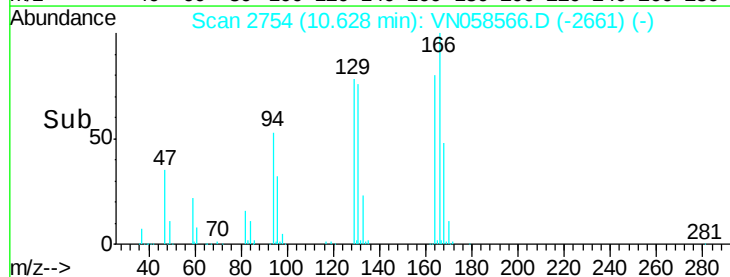
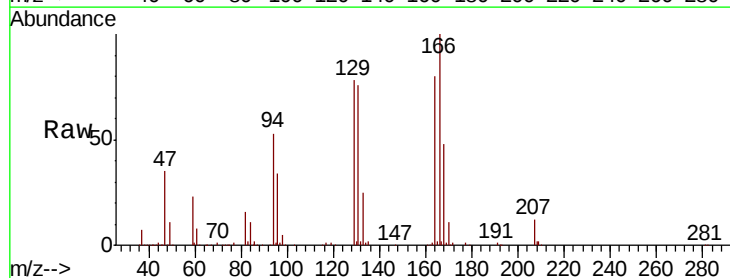
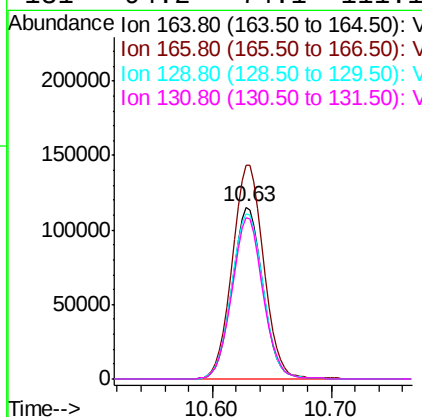
Manual Integrations
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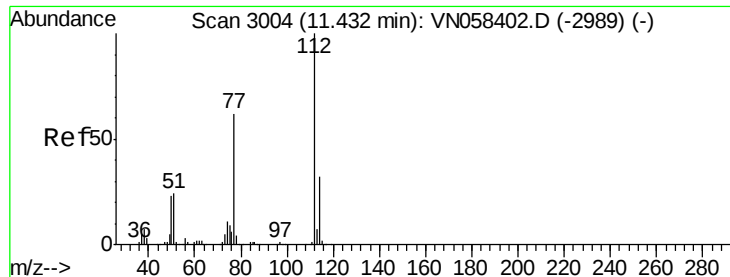
MMDadoda
10/9/2019 10:50:35 AM



#64
Tetrachloroethene
Concen: 51.659 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	101.1	151.7
129	96.5	79.2	118.8
131	94.2	74.1	111.1





#65

Chlorobenzene

Concen: 51.007 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 636336

Ion Ratio Lower Upper

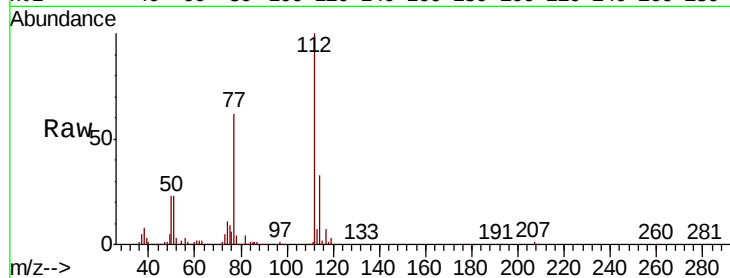
112 100

114 32.6 25.4 38.2

Manual Integrations
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10/9/2019 10:50:35 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

400000

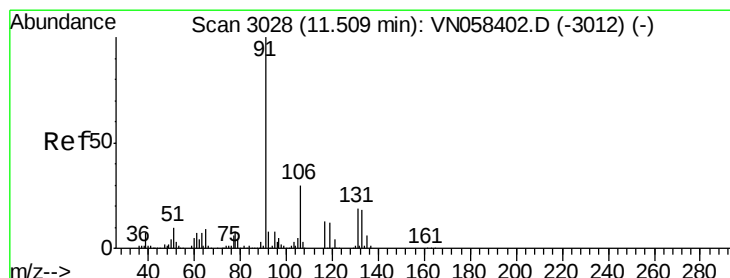
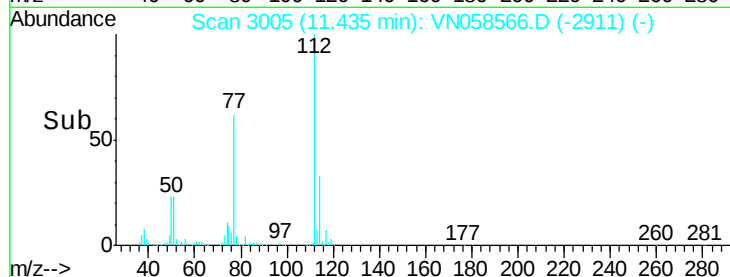
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 57.452 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

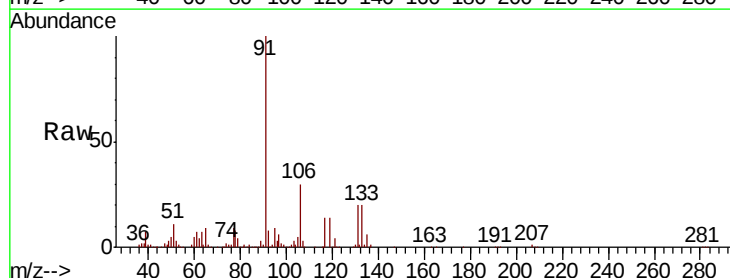
Tgt Ion:131 Resp: 241486

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 66.6 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

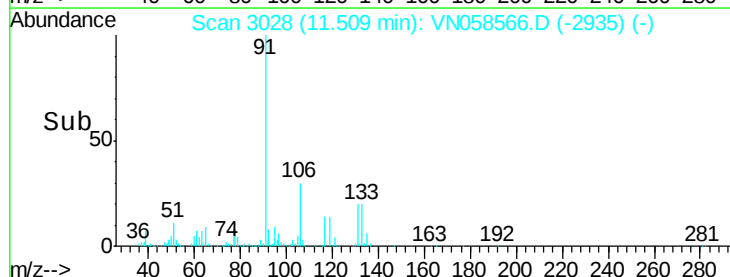
150000

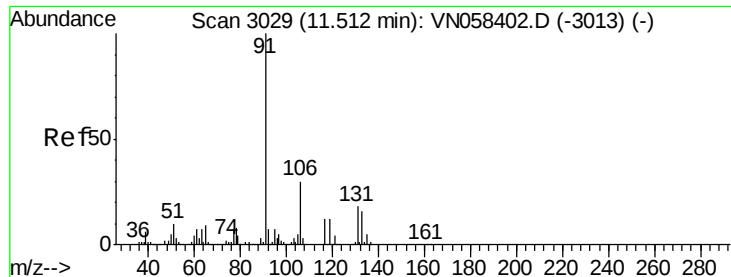
100000

50000

0

Time-->





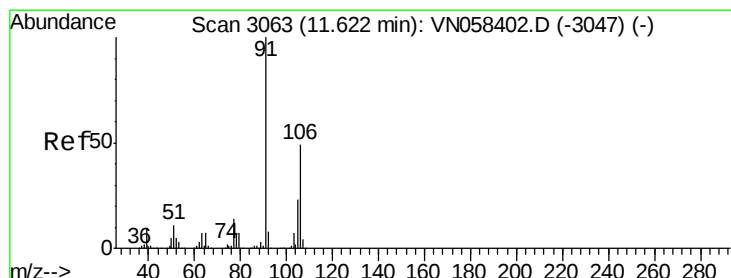
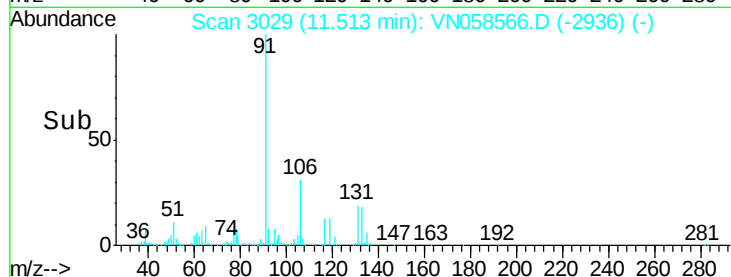
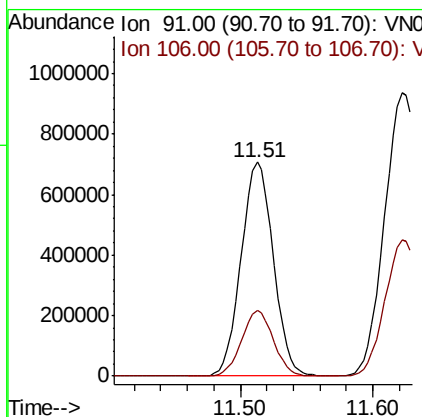
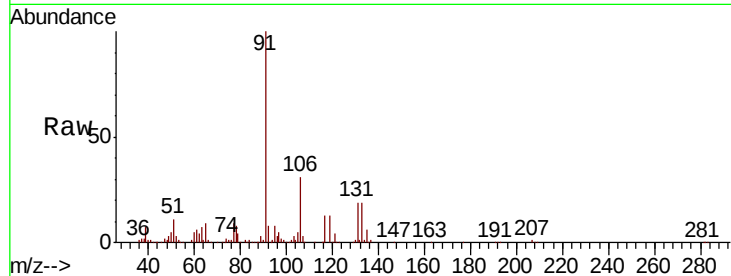
#67
Ethyl Benzene
Concen: 52.927 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1195966
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

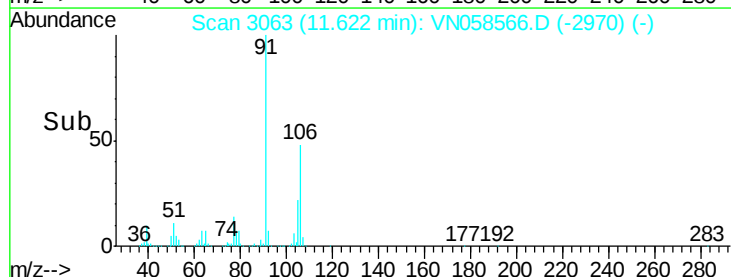
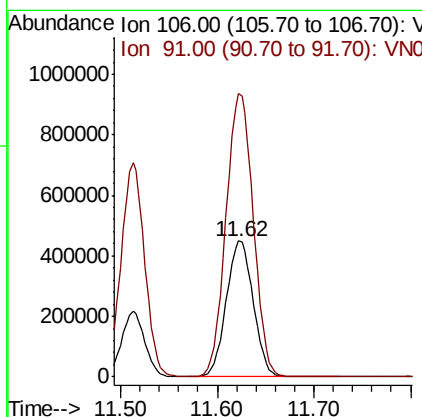
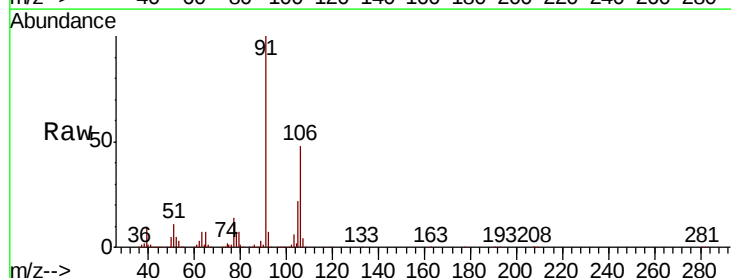
Manual Integrations
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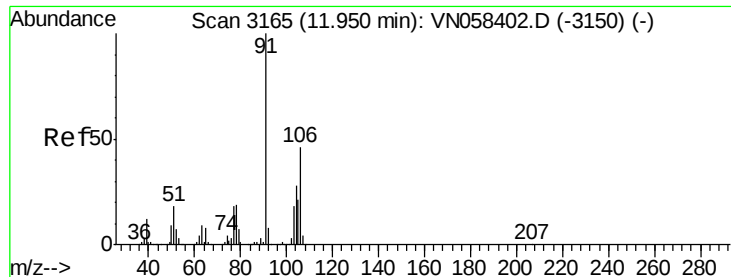
MMDadoda
10/9/2019 10:50:35 AM



#68
m/p-Xylenes
Concen: 101.976 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 106 Resp: 866982
Ion Ratio Lower Upper
106 100
91 210.9 165.0 247.4





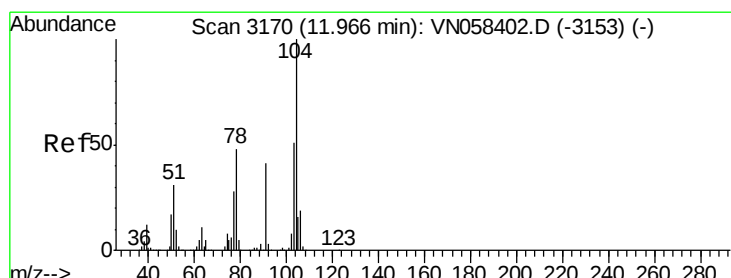
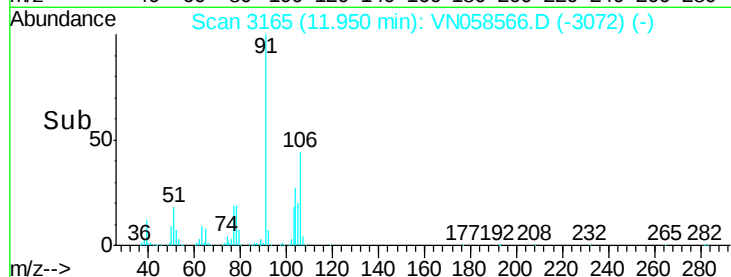
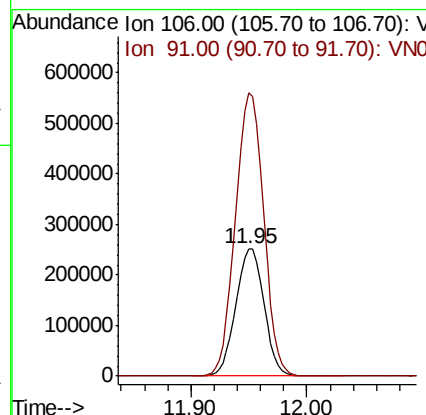
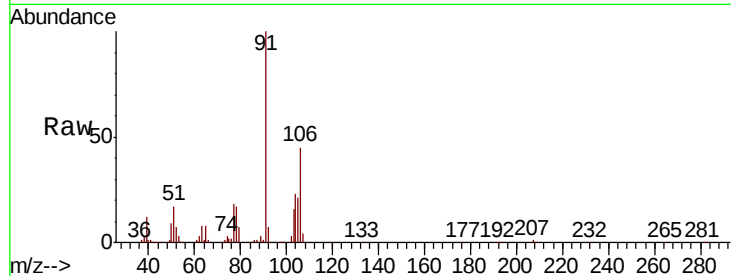
#69
o-Xylene
Concen: 51.705 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 423165
Ion Ratio Lower Upper
106 100
91 223.0 109.1 327.4

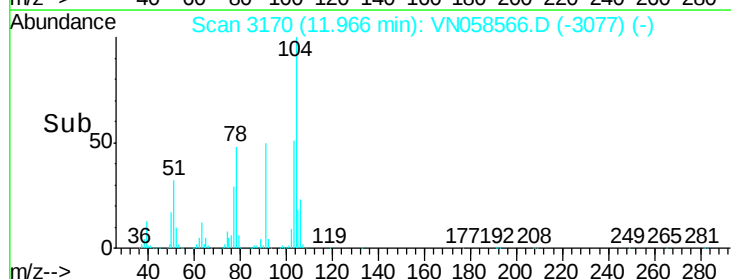
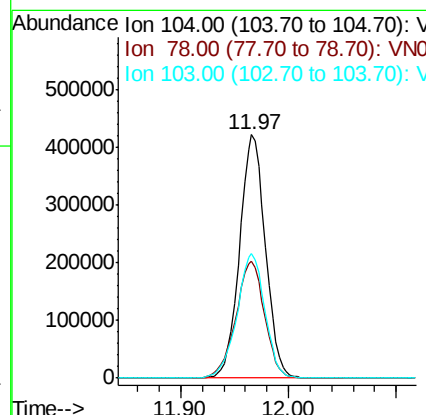
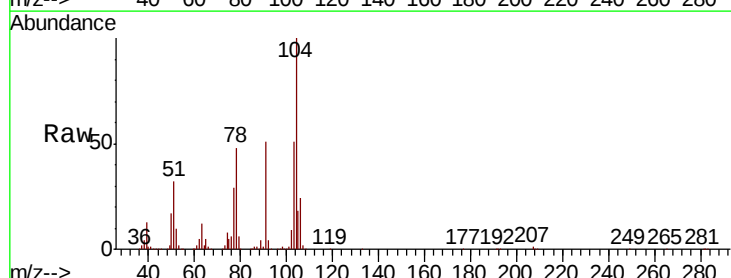
Manual Integrations
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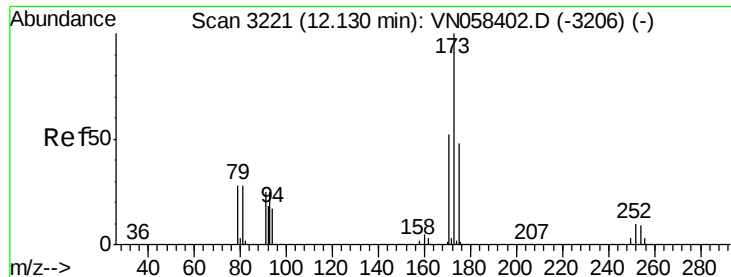
MMDadoda
10/9/2019 10:50:35 AM



#70
Styrene
Concen: 53.134 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion:104 Resp: 706451
Ion Ratio Lower Upper
104 100
78 53.6 42.8 64.2
103 55.4 43.7 65.5





#71

Bromoform

Concen: 58.040 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 168920

Ion Ratio Lower Upper

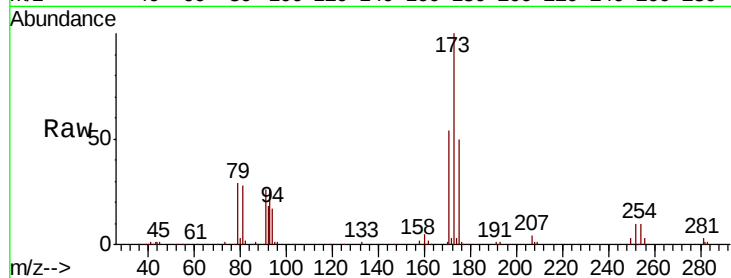
173 100

175 48.4 24.3 73.0

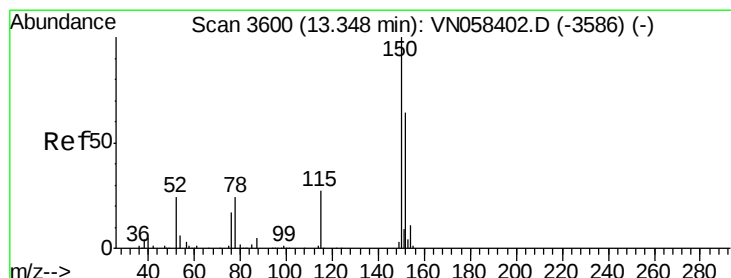
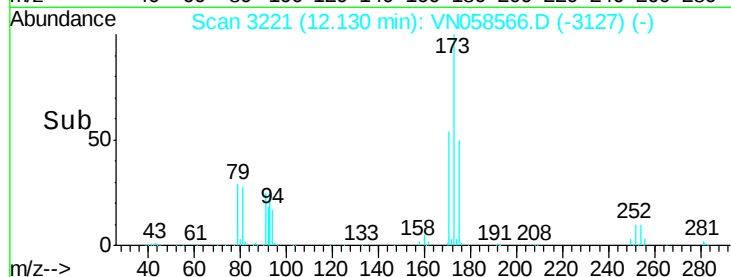
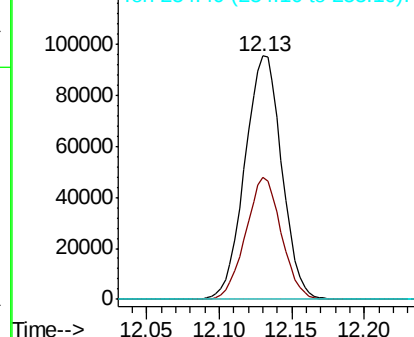
254 0.1 0.1 0.1#

Manual Integrations
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MMDadoda
10/9/2019 10:50:35 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

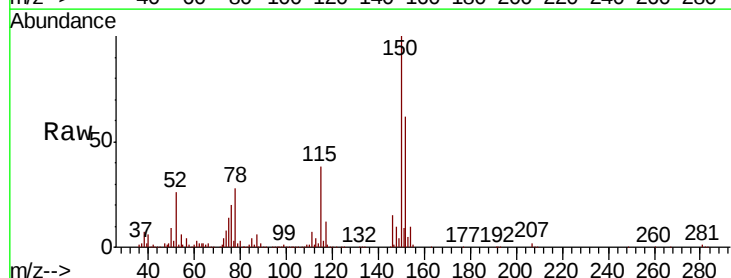
Tgt Ion:152 Resp: 298902

Ion Ratio Lower Upper

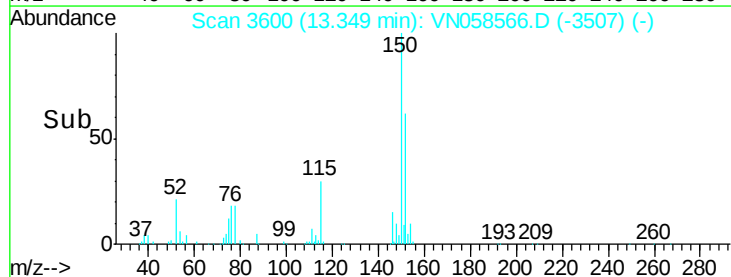
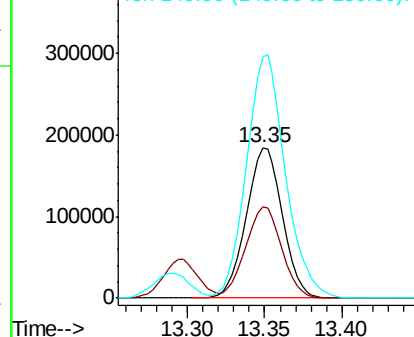
152 100

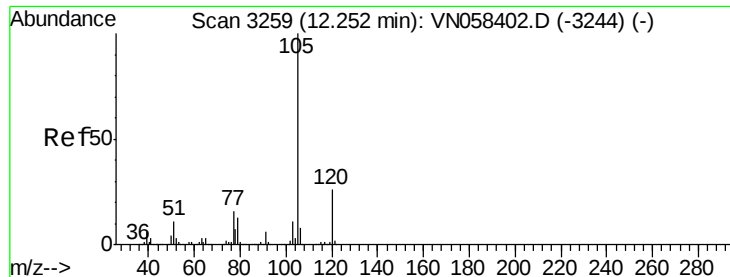
115 60.7 30.0 90.0

150 174.3 0.0 348.2



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





#73

Isopropylbenzene

Concen: 52.110 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1151078

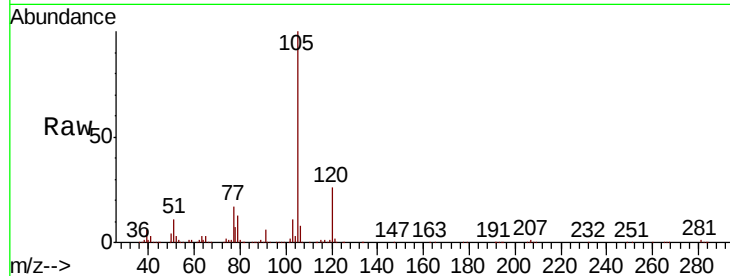
Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4

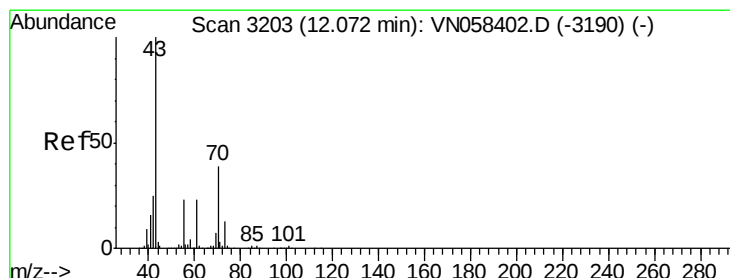
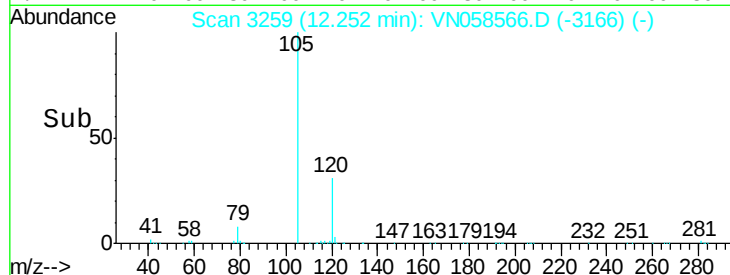
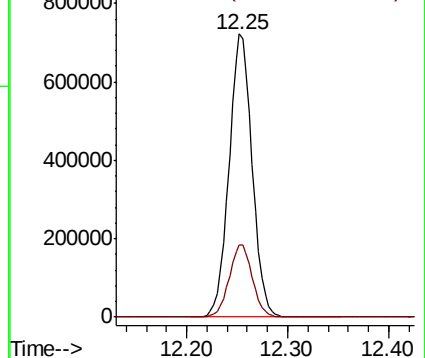
Manual Integrations
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10/9/2019 10:50:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.605 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion: 43 Resp: 515016

Ion Ratio Lower Upper

43 100

70 38.1 31.4 47.2

55 22.9 18.2 27.4

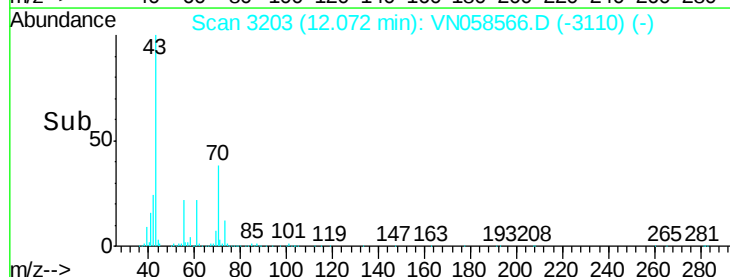
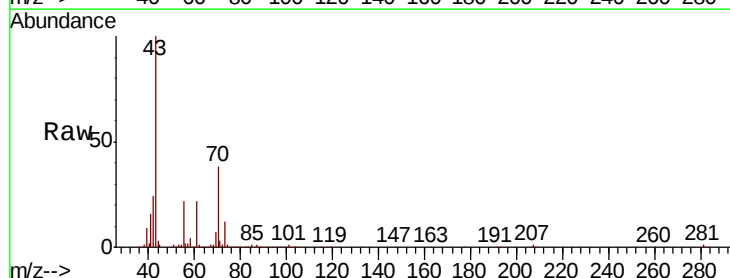
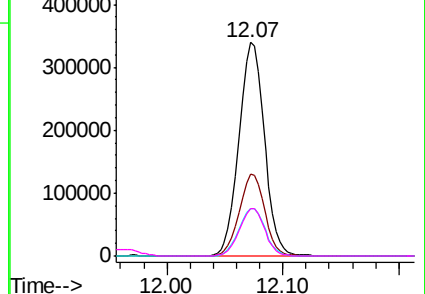
61 22.3 18.3 27.5

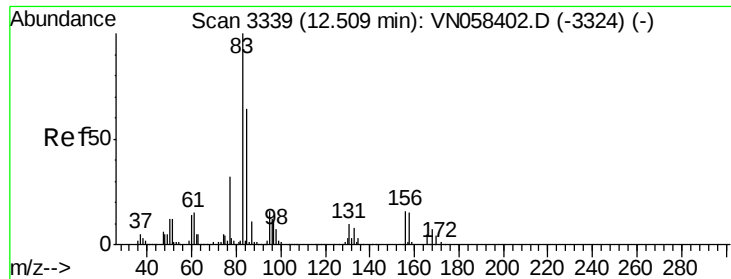
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.329 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

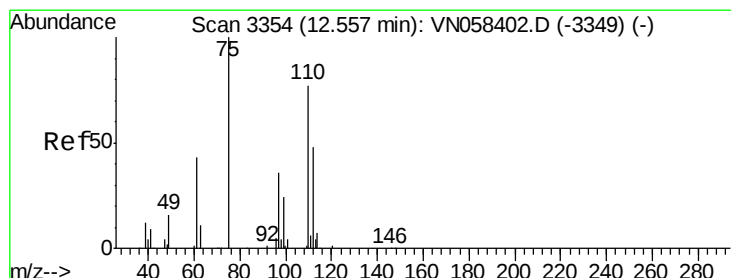
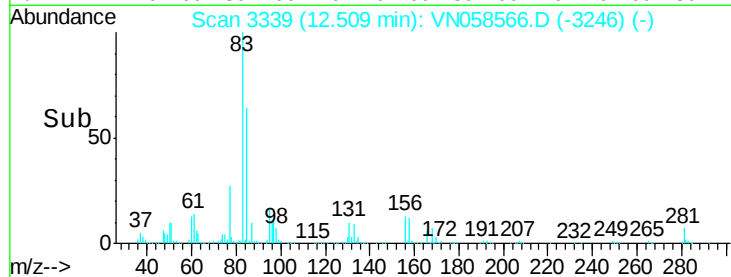
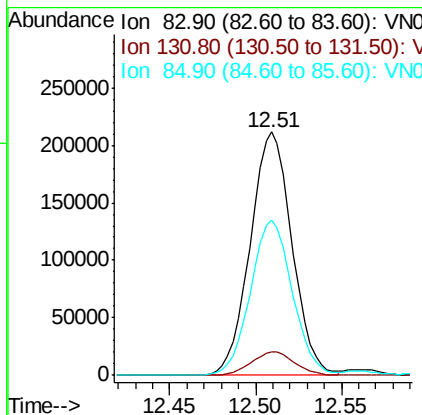
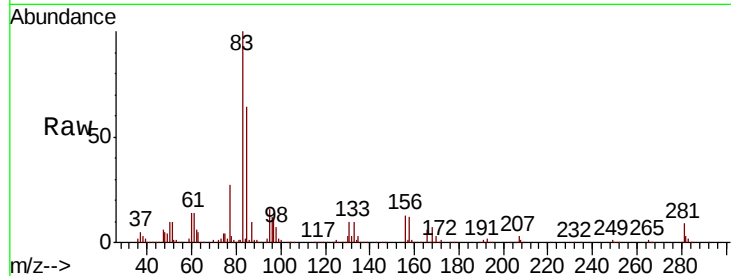
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	354874
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 64.137 ug/l m

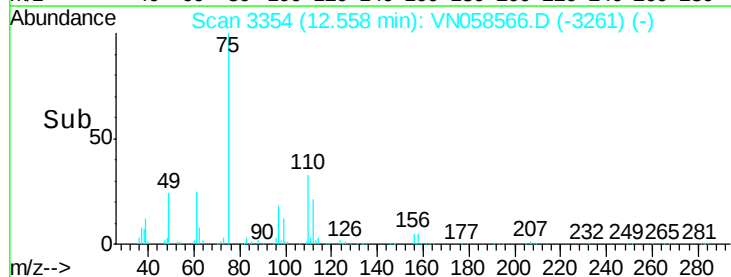
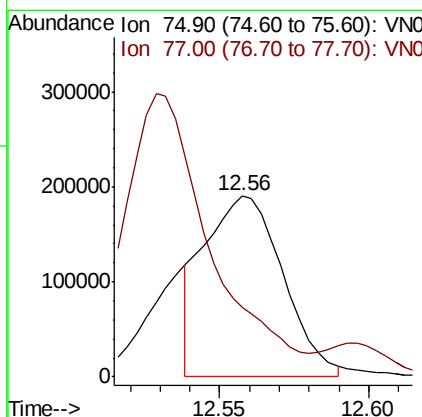
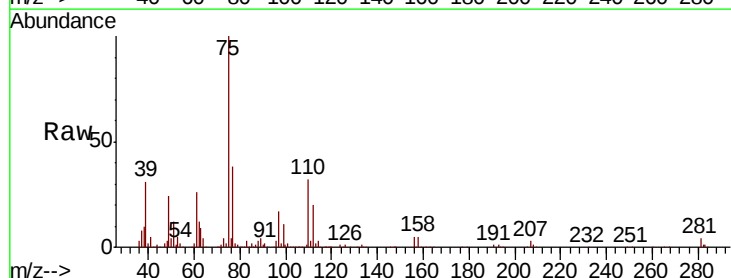
RT: 12.56 min Scan# 3354

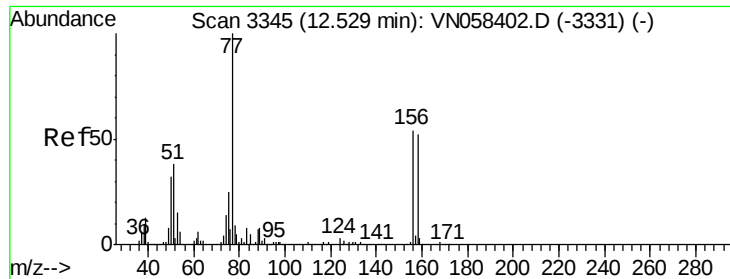
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	75	Resp:	350152
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.814 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

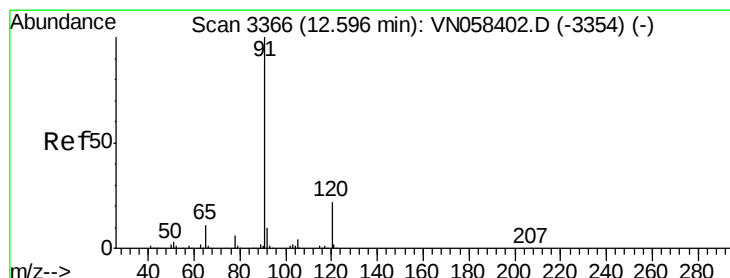
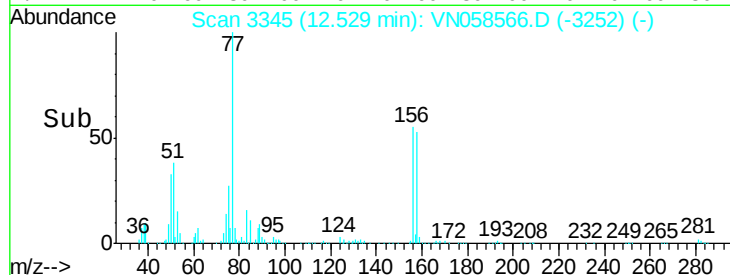
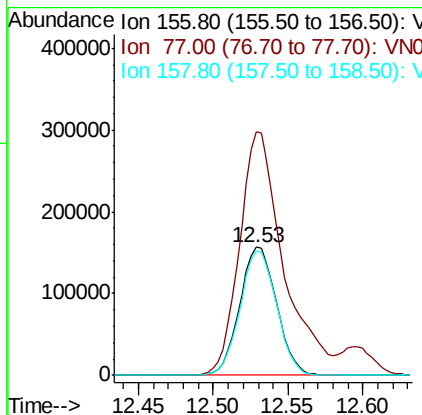
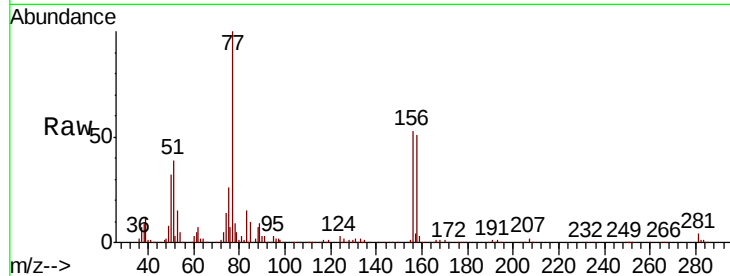
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	268372
Ion Ratio	Lower	Upper	
156	100		
77	225.9	110.0	330.0
158	96.6	47.9	143.8

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#78

n-propylbenzene

Concen: 54.491 ug/l

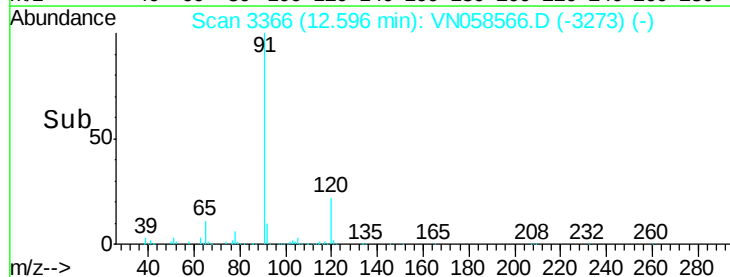
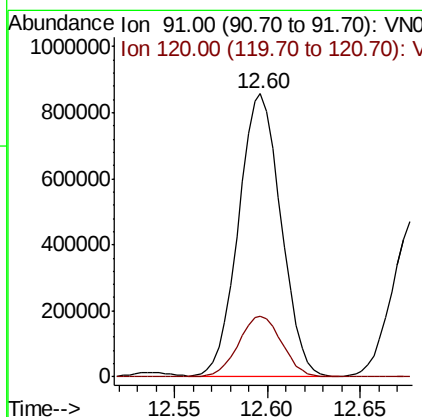
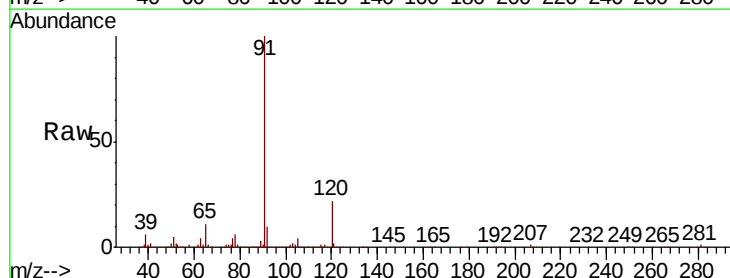
RT: 12.60 min Scan# 3366

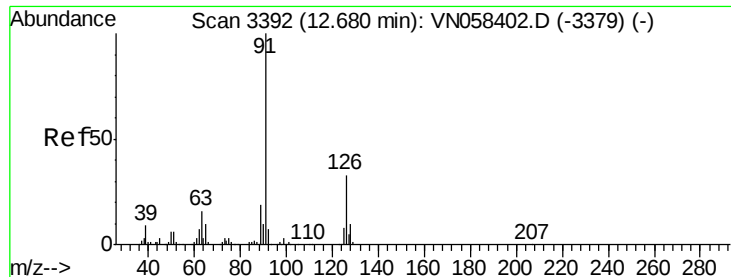
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	91	Resp:	1356082
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.9	32.9





#79

2-Chlorotoluene

Concen: 52.282 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 803093

Ion Ratio Lower Upper

91 100

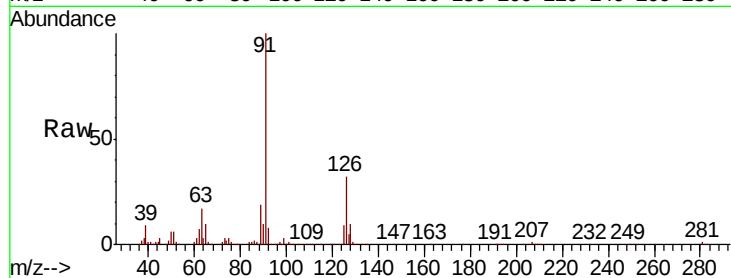
126 32.5 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058566.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058566.D (-3299) (-)

800000

600000

400000

200000

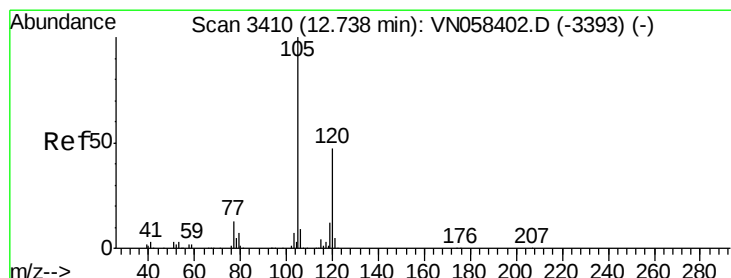
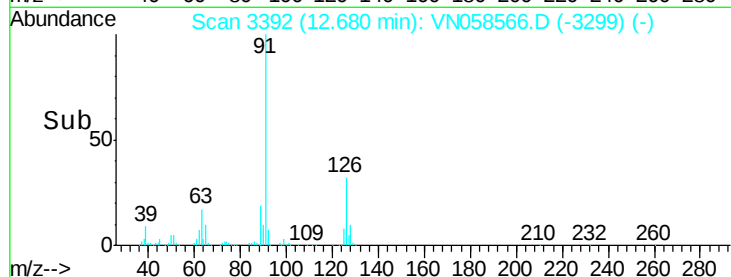
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.146 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058566.D

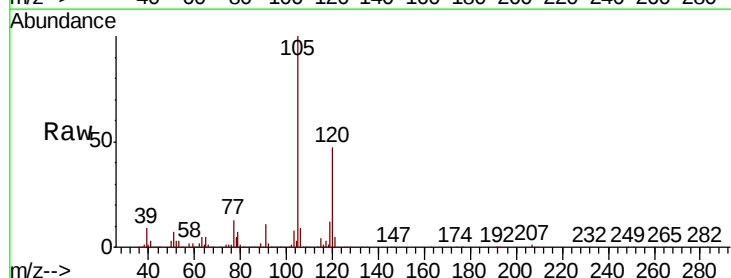
Acq: 7 Oct 2019 14:46

Tgt Ion: 105 Resp: 982728

Ion Ratio Lower Upper

105 100

120 47.4 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058566.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058566.D (-3317) (-)

600000

400000

200000

0

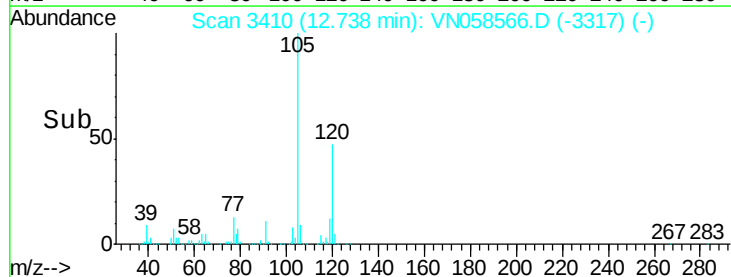
12.74

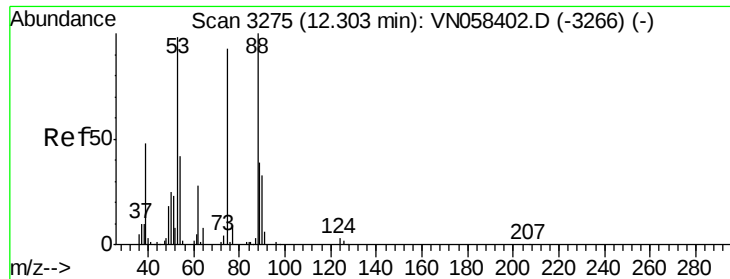
12.70

12.75

12.80

Time-->





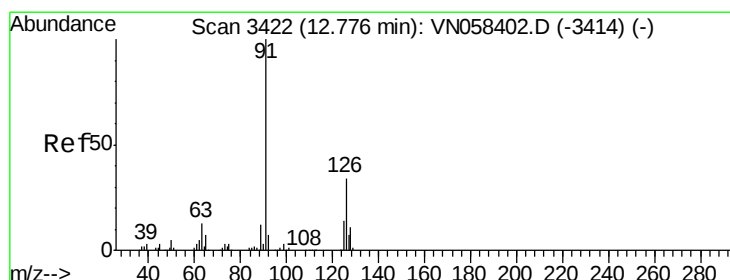
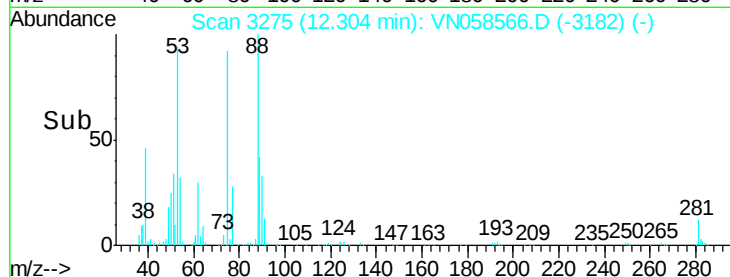
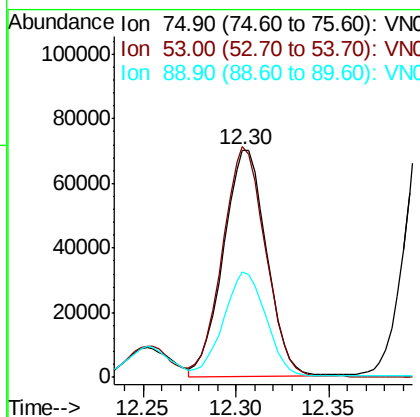
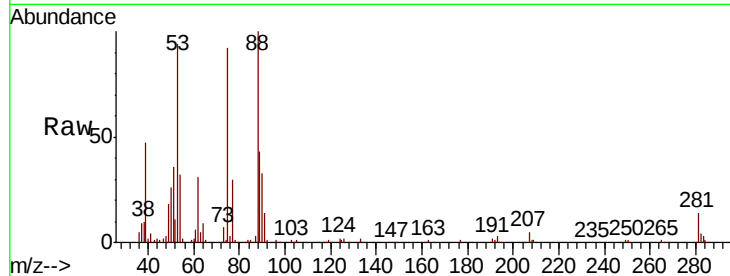
#81
trans-1,4-Dichloro-2-butene
Concen: 63.231 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	85.4	128.0
89	45.1	35.0	52.4

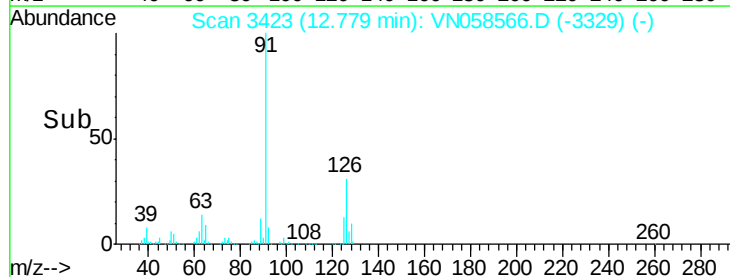
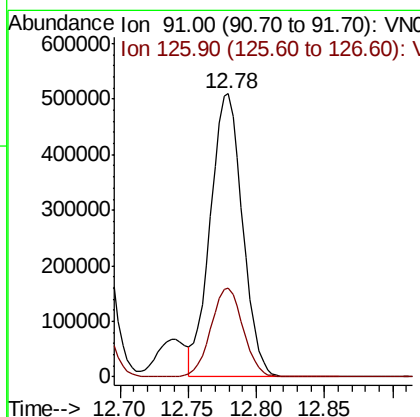
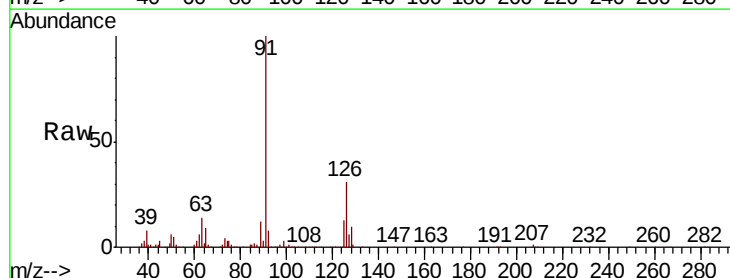
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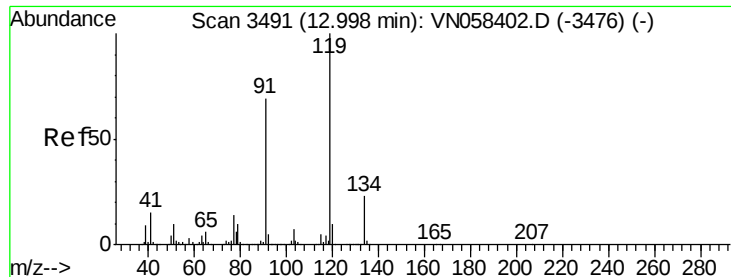
MMDadoda
10/9/2019 10:50:35 AM



#82
4-Chlorotoluene
Concen: 53.199 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





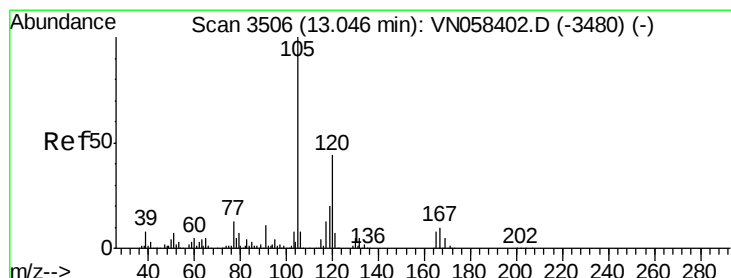
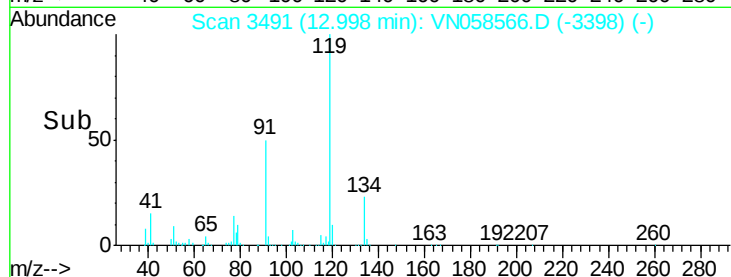
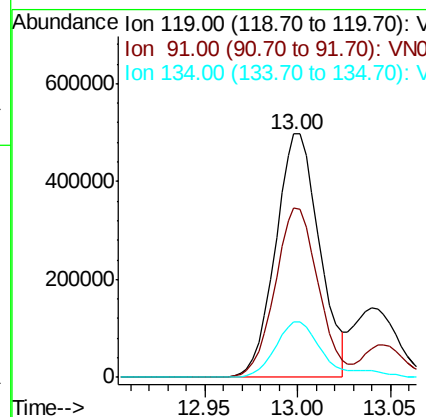
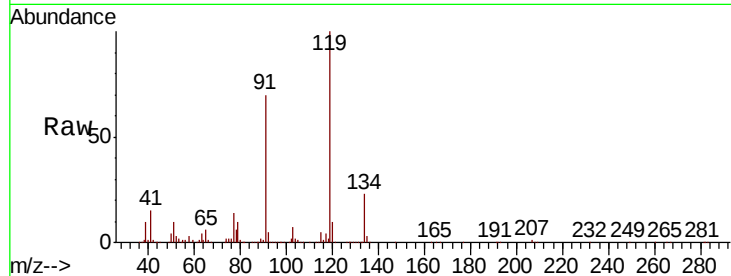
#83
tert-Butylbenzene
Concen: 52.579 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.2	102.6
134	23.3	11.6	34.8

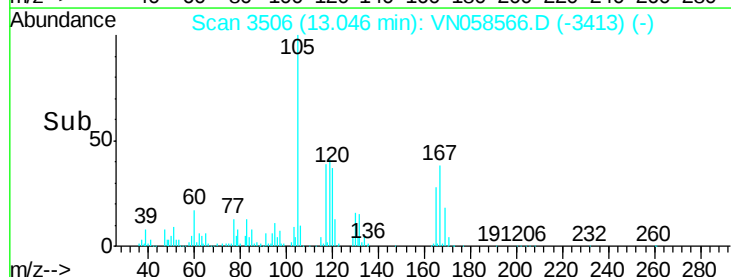
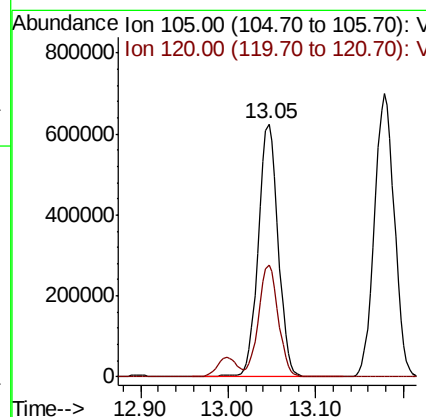
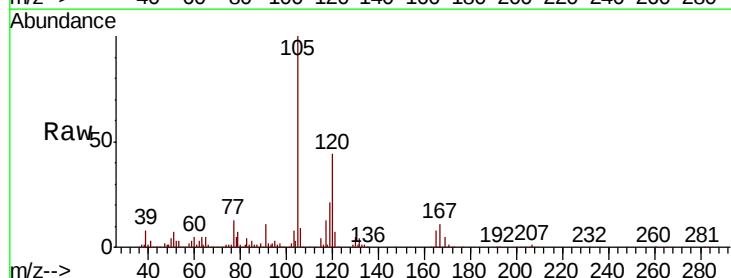
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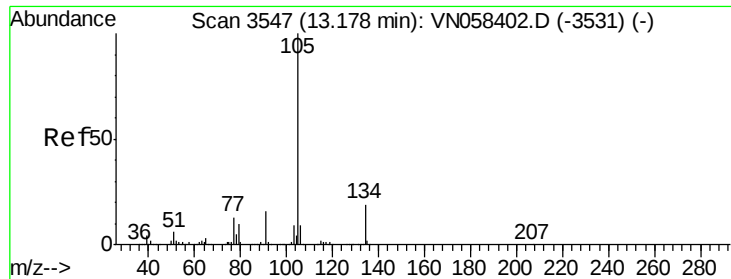
MMDadoda
10/9/2019 10:50:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.106 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1





#85

sec-Butylbenzene

Concen: 53.808 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1105038

Ion Ratio Lower Upper

105 100

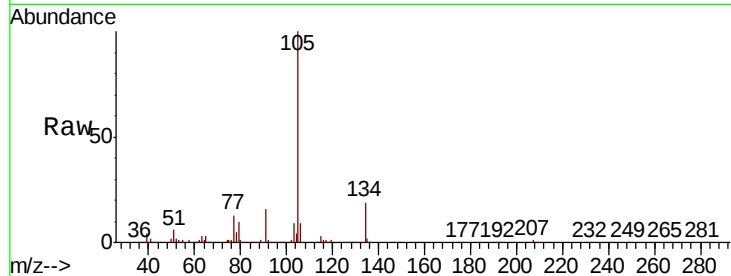
134 19.0 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

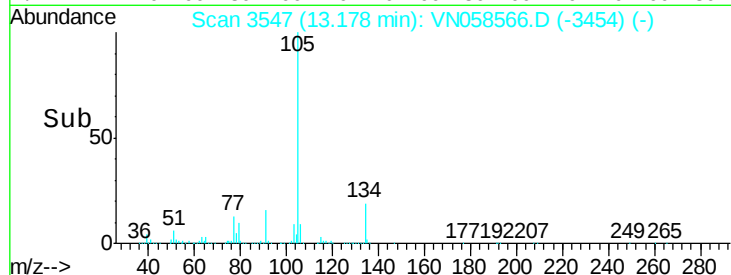
600000

400000

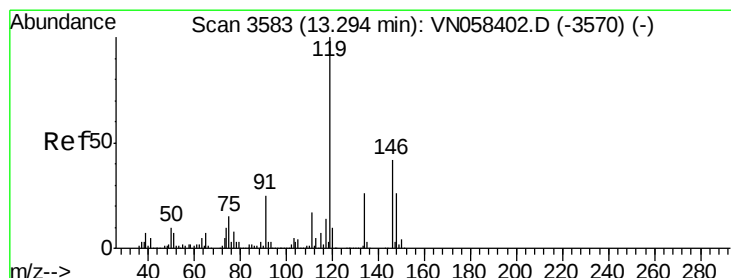
200000

0

13.10 13.15 13.20 13.25



Time-->



#86

p-Isopropyltoluene

Concen: 55.273 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

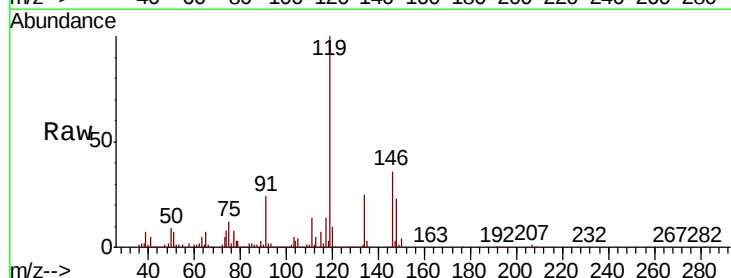
Tgt Ion:119 Resp: 999198

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

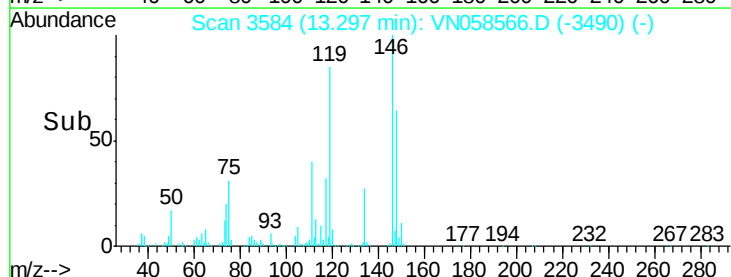
600000

400000

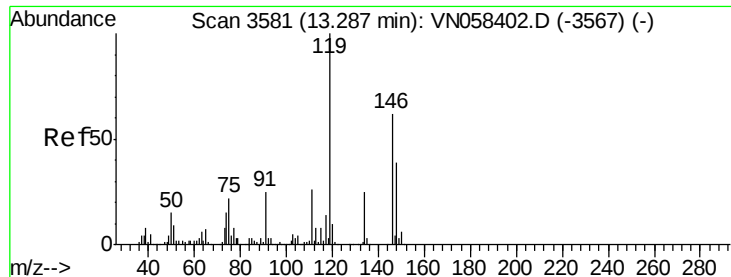
200000

0

13.25 13.30 13.35



Time-->



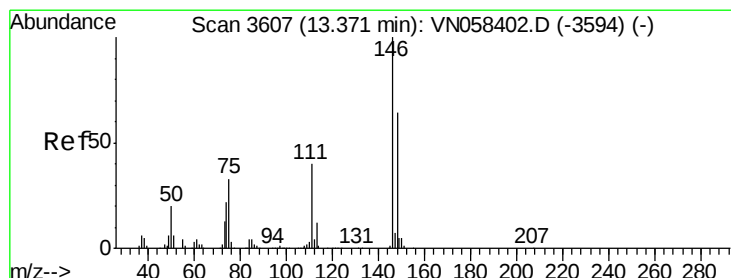
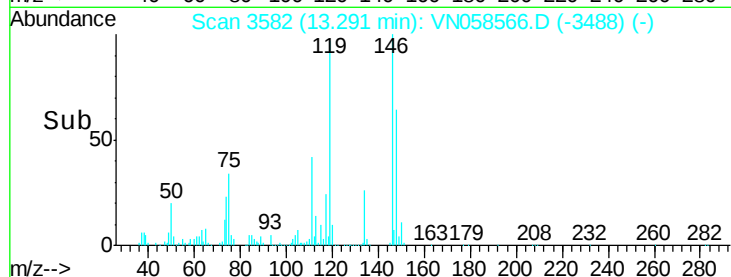
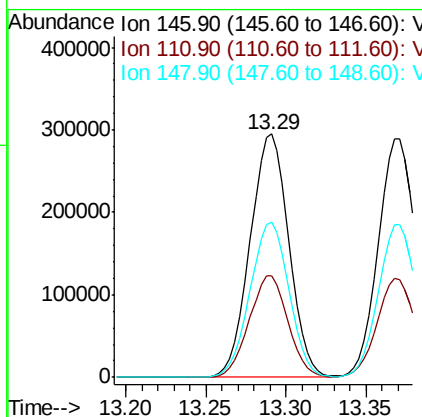
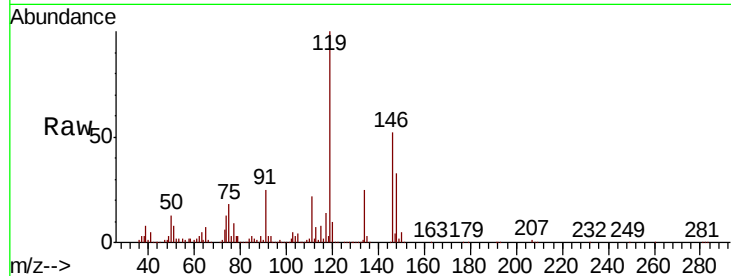
#87
 1,3-Dichlorobenzene
 Concen: 52.104 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.1	31.4	94.3

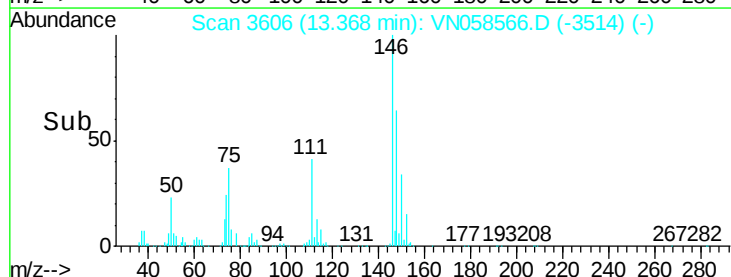
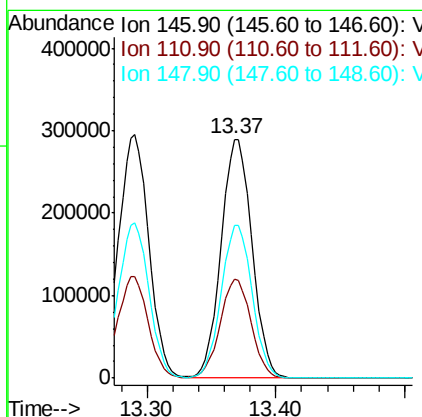
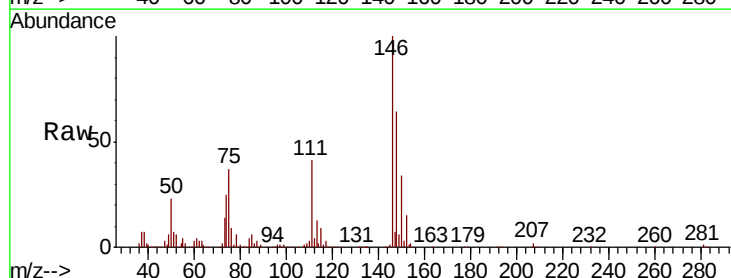
Manual Integrations
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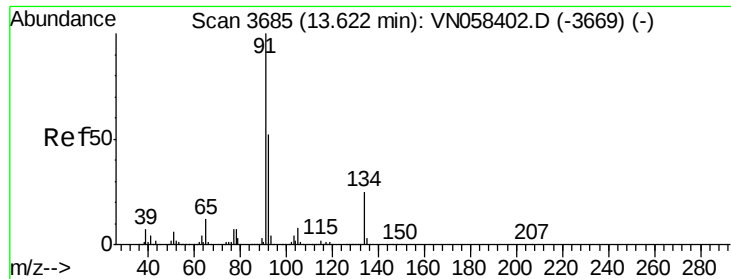
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 10/9/2019 10:50:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.517 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.0	31.5	94.5





#89

n-Butylbenzene

Concen: 55.380 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

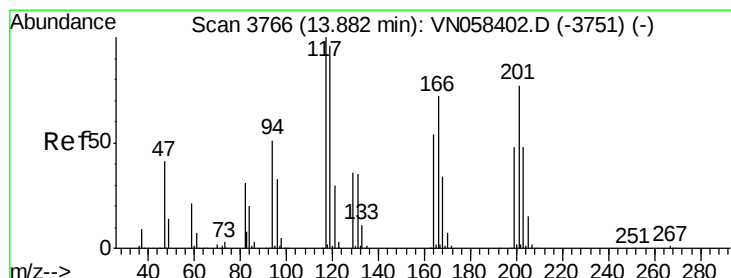
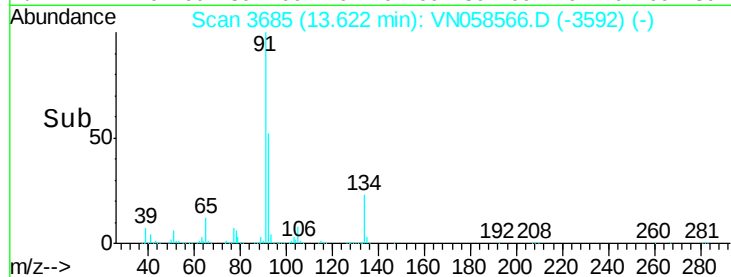
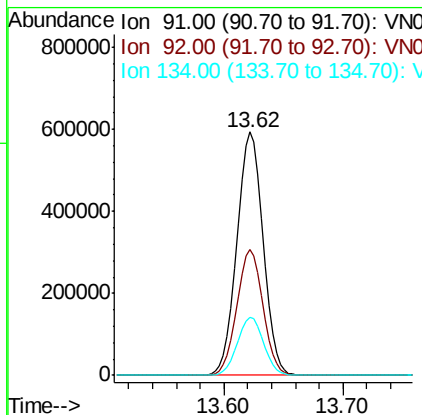
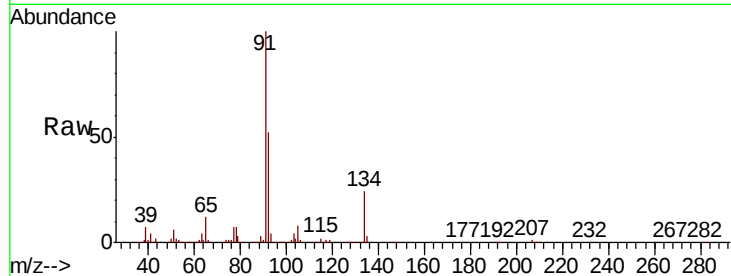
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	906860
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	24.1	12.2	36.6

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#90

Hexachloroethane

Concen: 63.155 ug/l

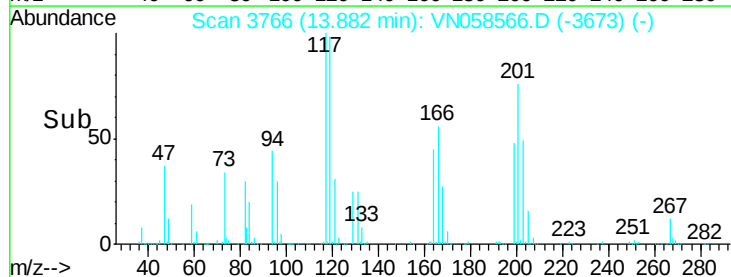
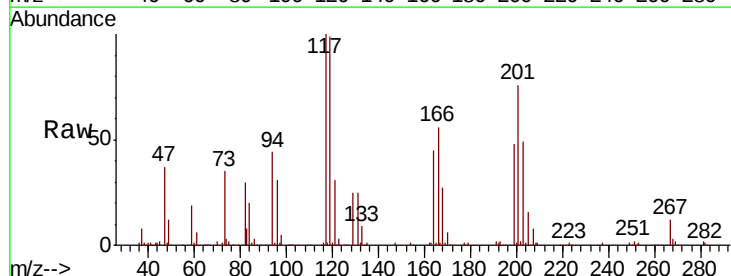
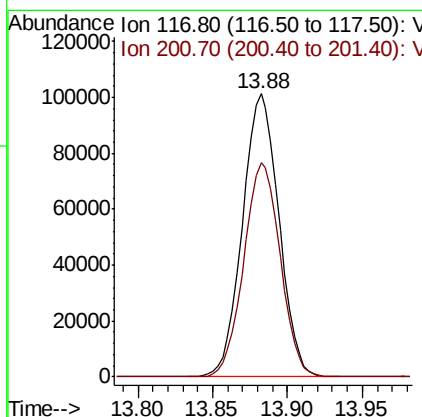
RT: 13.88 min Scan# 3766

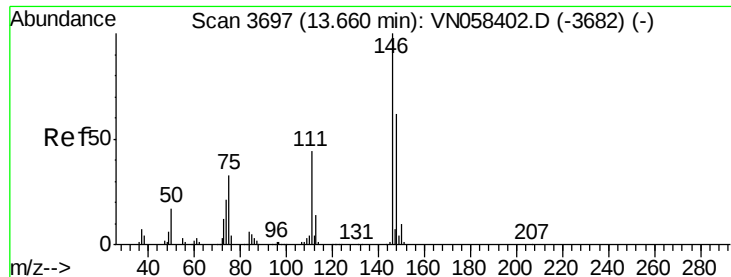
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	117	Resp:	171535
Ion	Ratio	Lower	Upper
117	100		
201	75.6	38.6	116.0





#91

1,2-Dichlorobenzene

Concen: 53.537 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

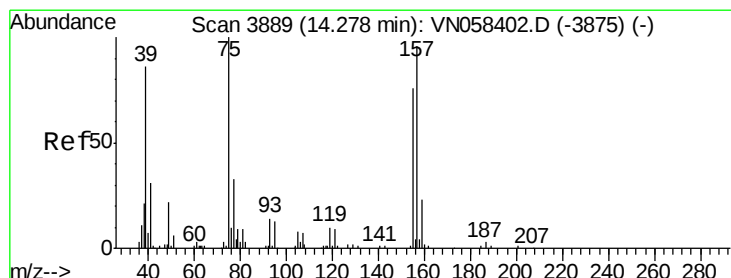
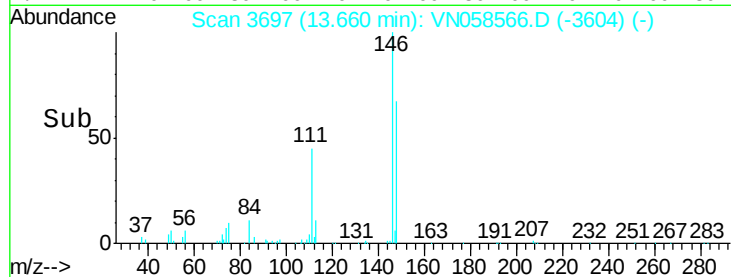
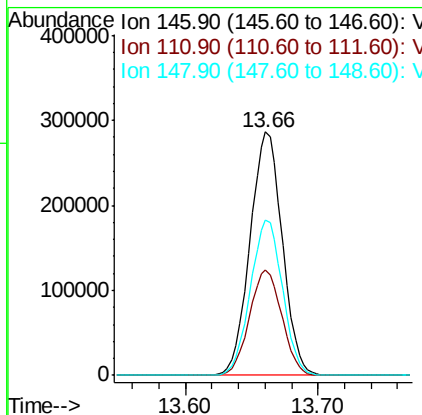
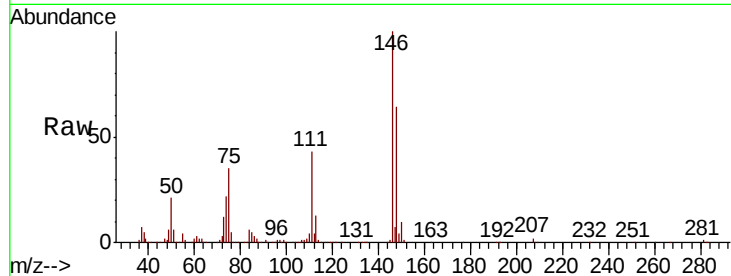
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	483121
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.8	65.3
148	63.8	31.5	94.5

Manual Integrations
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10/9/2019 10:50:35 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 62.064 ug/l

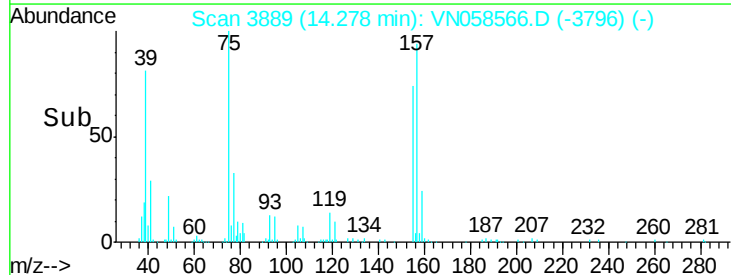
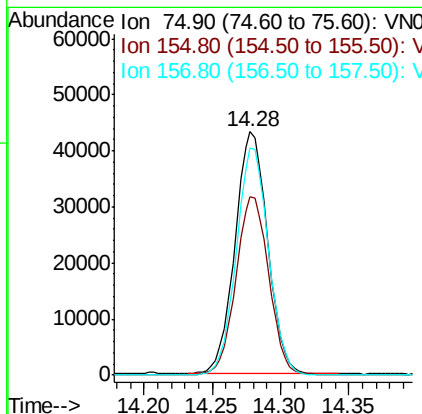
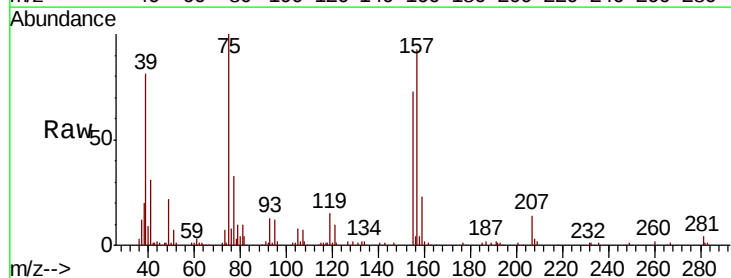
RT: 14.28 min Scan# 3889

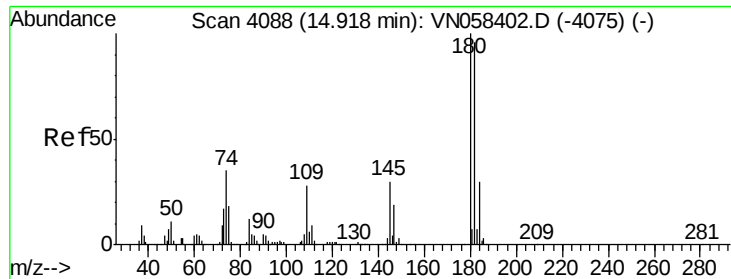
Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	75	Resp:	71490
Ion Ratio	Lower	Upper	
75	100		
155	74.6	39.2	117.6
157	92.9	48.7	146.1





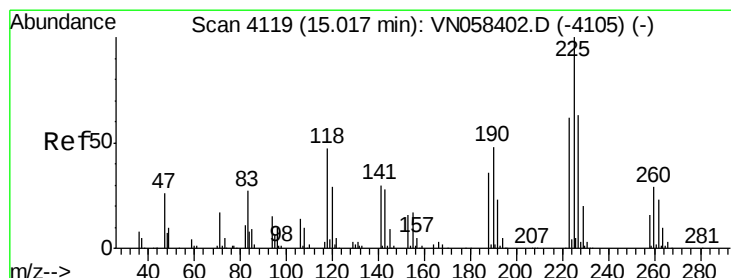
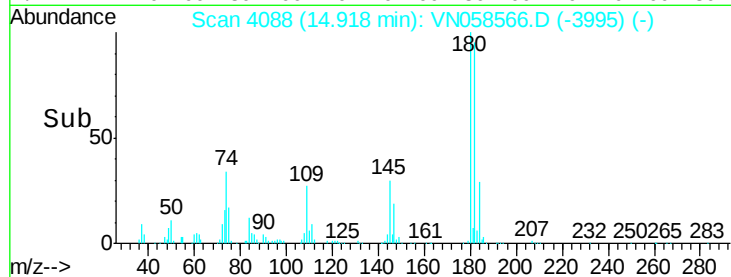
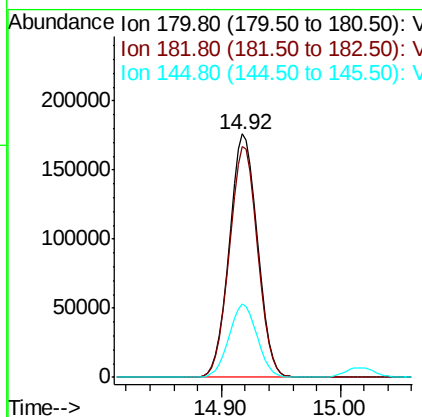
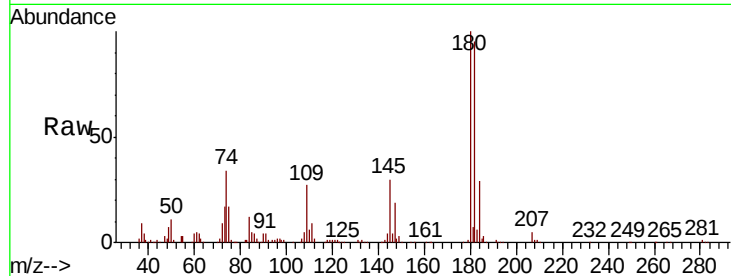
#93
 1,2,4-Trichlorobenzene
 Concen: 57.811 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288279		
182	95.3	47.4	142.3	
145	30.3	15.3	45.9	

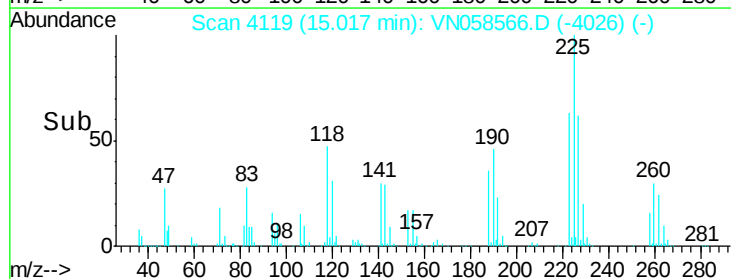
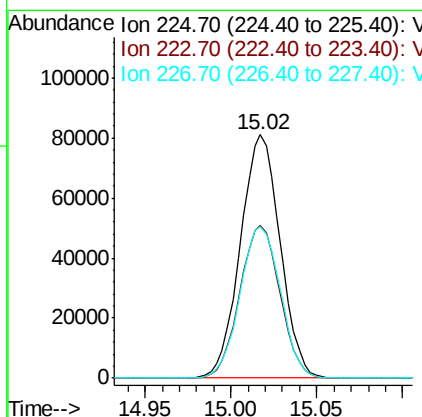
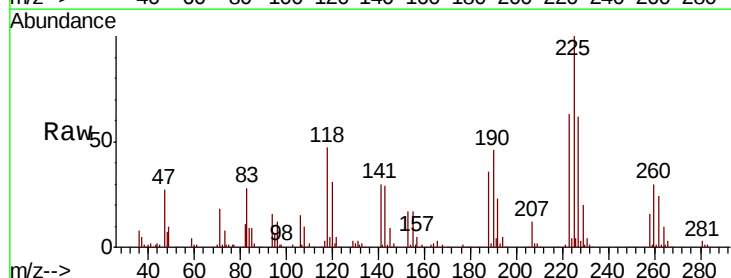
Manual Integrations
 APPROVED

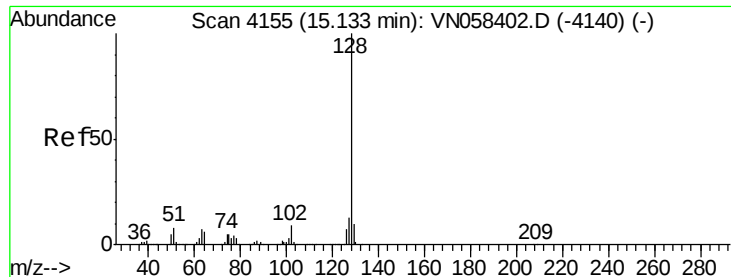
MMDadoda
 10/9/2019 10:50:35 AM



#94
 Hexachlorobutadiene
 Concen: 50.736 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130039		
223	63.3	31.1	93.5	
227	63.2	31.4	94.2	





#95

Naphthalene

Concen: 54.744 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

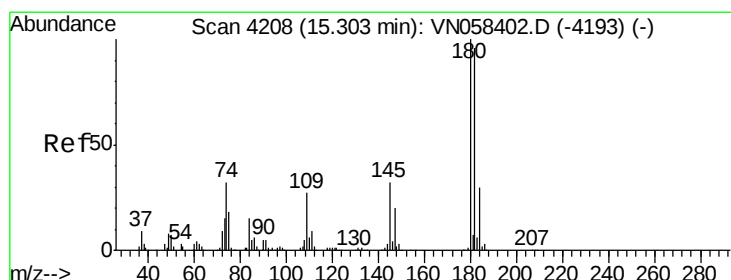
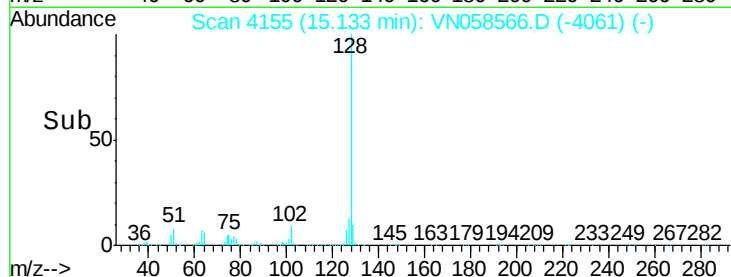
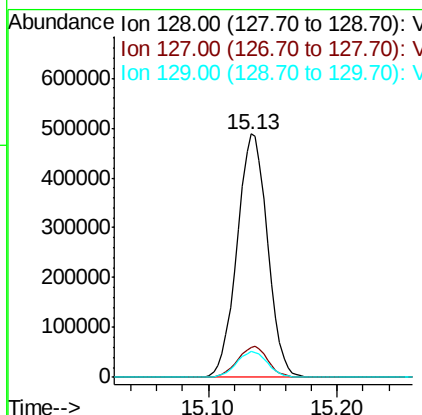
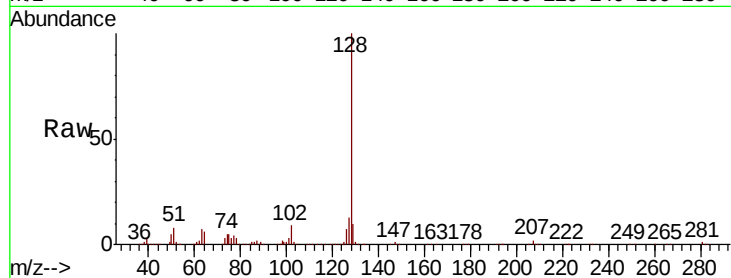
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	799412
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.659 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	180	Resp:	263257
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.3	144.9
145	32.8	16.1	48.3

