

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058770.D
 Acq On : 14 Oct 2019 23:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:22 AM

Quant Time: Oct 15 04:36:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	648372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294288	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.57	113	208371	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.08	98	818376	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	304938	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	265063	53.023	ug/l	100
3) Chloromethane	2.04	50	298864	50.276	ug/l	99
4) Vinyl Chloride	2.17	62	300337	50.728	ug/l	99
5) Bromomethane	2.54	94	182842	50.767	ug/l	98
6) Chloroethane	2.68	64	190971	52.294	ug/l	99
7) Trichlorofluoromethane	3.00	101	383351	54.103	ug/l	99
8) Diethyl Ether	3.39	74	128619	49.129	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205783	50.935	ug/l	98
10) Methyl Iodide	3.93	142	274666	49.819	ug/l	98
11) Tert butyl alcohol	4.76	59	241112	264.942	ug/l	100
12) 1,1-Dichloroethene	3.72	96	197105	51.133	ug/l	96
13) Acrolein	3.58	56	150441	205.544	ug/l	98
14) Allyl chloride	4.30	41	384750m	49.460	ug/l	
15) Acrylonitrile	4.96	53	636629	277.396	ug/l	100
16) Acetone	3.79	43	572925	246.275	ug/l	99
17) Carbon Disulfide	4.03	76	606645	49.233	ug/l	99
18) Methyl Acetate	4.30	43	337784	57.242	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	719621	52.281	ug/l	96
20) Methylene Chloride	4.53	84	234301	48.190	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	215464	49.971	ug/l	99
22) Diisopropyl ether	5.93	45	793289	52.449	ug/l	98
23) Vinyl Acetate	5.87	43	3315236	271.640	ug/l	100
24) 1,1-Dichloroethane	5.82	63	449825	52.219	ug/l	99
25) 2-Butanone	6.81	43	890087	264.709	ug/l	99
26) 2,2-Dichloropropane	6.80	77	322667	41.034	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	252501	50.218	ug/l	97
28) Bromochloromethane	7.17	49	154874	51.679	ug/l	99
29) Tetrahydrofuran	7.19	42	599660	275.964	ug/l	99
30) Chloroform	7.36	83	441460	51.008	ug/l	98
31) Cyclohexane	7.63	56	404286	49.050	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	385739	52.261	ug/l	99
36) 1,1-Dichloropropene	7.78	75	334489	51.024	ug/l	99
37) Ethyl Acetate	6.91	43	366800	55.326	ug/l	99
38) Carbon Tetrachloride	7.76	117	339851	53.193	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383926	50.471	ug/l	98
40) Benzene	8.02	78	980987	52.104	ug/l	100
41) Methacrylonitrile	7.15	41	146207m	47.111	ug/l	
42) 1,2-Dichloroethane	8.11	62	372449	51.492	ug/l	100
43) Isopropyl Acetate	8.15	43	595092	52.690	ug/l	99
44) Trichloroethene	8.82	130	239605	51.248	ug/l	99
45) 1,2-Dichloropropane	9.11	63	267948	53.163	ug/l	98
46) Dibromomethane	9.20	93	171275	53.599	ug/l	98
47) Bromodichloromethane	9.39	83	351532	54.023	ug/l	99
48) Methyl methacrylate	9.19	41	280505	54.791	ug/l	99
49) 1,4-Dioxane	9.19	88	86990	1098.334	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1891539	298.212	ug/l	99
52) Toluene	10.15	92	600508	52.149	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	386424	51.777	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	411723	51.959	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	239385	50.792	ug/l	99
56) Ethyl methacrylate	10.43	69	384443	55.834	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422075	52.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	920601	277.436	ug/l	100
59) 2-Hexanone	10.75	43	1417503	289.178	ug/l	99
60) Dibromochloromethane	10.90	129	263162	54.128	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249303	52.799	ug/l	99
64) Tetrachloroethene	10.63	164	215655	50.801	ug/l	94
65) Chlorobenzene	11.43	112	632683	51.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237437	52.125	ug/l	98
67) Ethyl Benzene	11.51	91	1183729	53.907	ug/l	99
68) m/p-Xylenes	11.62	106	875703	106.267	ug/l	99
69) o-Xylene	11.95	106	414035	51.930	ug/l	99
70) Styrene	11.97	104	701037	53.647	ug/l	100
71) Bromoform	12.13	173	187540	56.169	ug/l #	98
73) Isopropylbenzene	12.25	105	1145209	51.860	ug/l	99
74) N-amyl acetate	12.07	43	525124	52.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	379788	52.206	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	339855m	50.807	ug/l	
77) Bromobenzene	12.53	156	270318	50.326	ug/l	99
78) n-propylbenzene	12.59	91	1368652	53.188	ug/l	99
79) 2-Chlorotoluene	12.68	91	802396	50.240	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	988327	52.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124879	50.008	ug/l	99
82) 4-Chlorotoluene	12.78	91	835848	51.000	ug/l	100
83) tert-Butylbenzene	13.00	119	837186	51.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	998739	53.363	ug/l	99
85) sec-Butylbenzene	13.18	105	1139201	53.530	ug/l	100
86) p-Isopropyltoluene	13.29	119	1028774	53.189	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	497368	50.210	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	490731	48.725	ug/l	99
89) n-Butylbenzene	13.62	91	936595	52.369	ug/l	99
90) Hexachloroethane	13.88	117	185368	53.561	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	490093	50.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86002	50.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	291839	49.553	ug/l	99
94) Hexachlorobutadiene	15.01	225	150010	48.368	ug/l	99
95) Naphthalene	15.13	128	857399	50.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	278670	48.465	ug/l	99

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

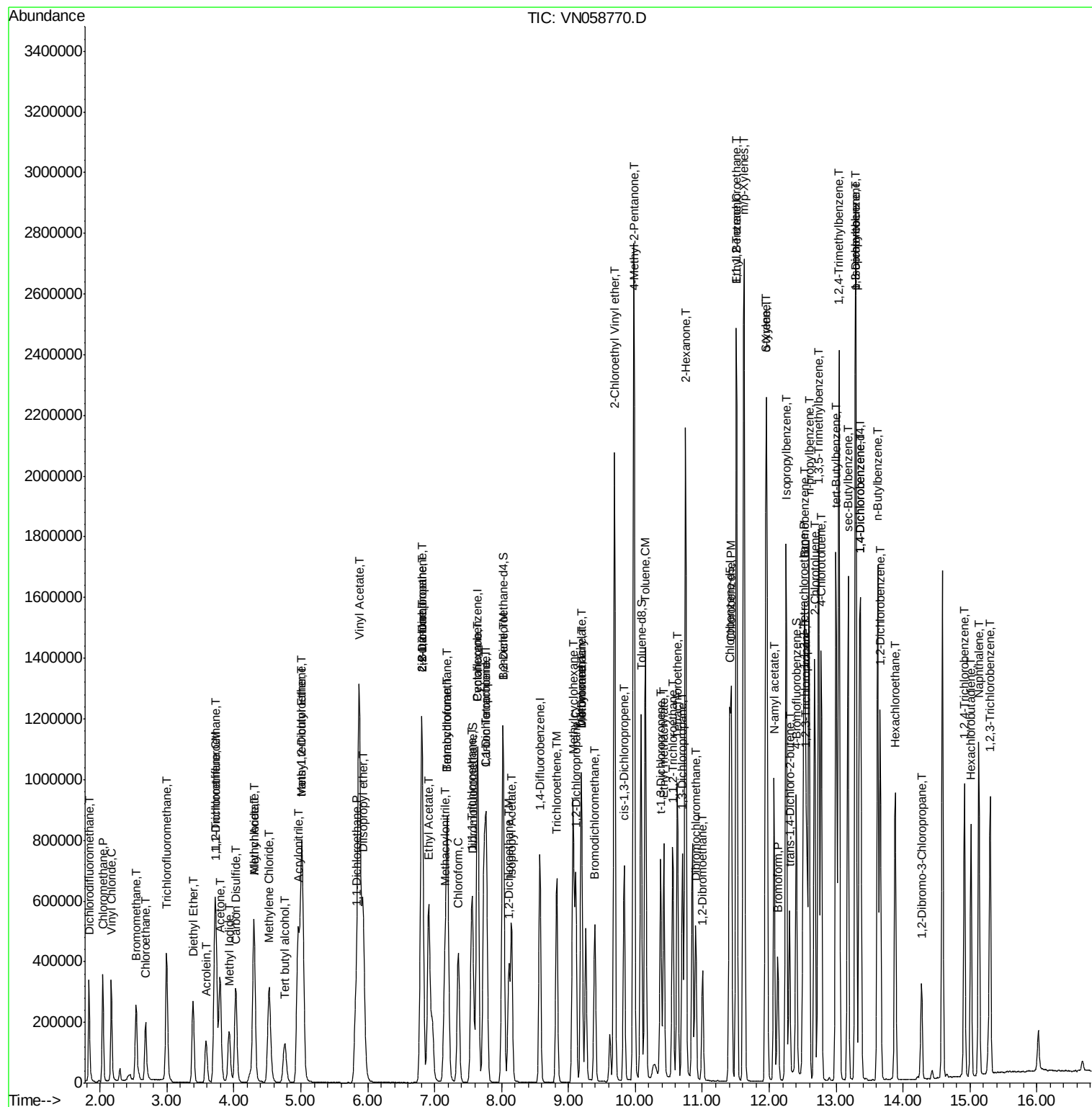
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Data File : VN058770.D
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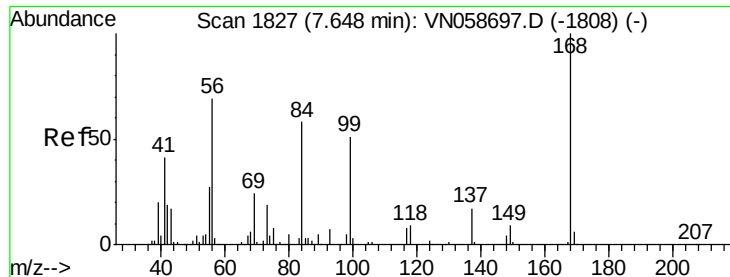
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 401384

Ion Ratio Lower Upper

168 100

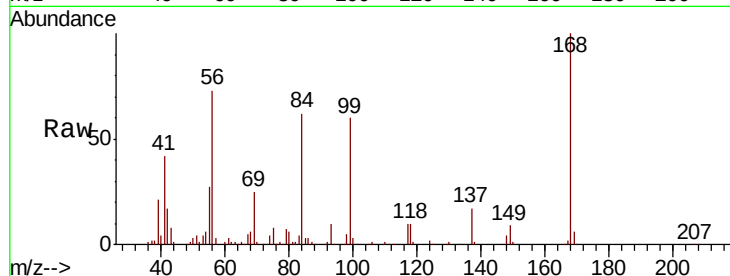
99 59.8 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

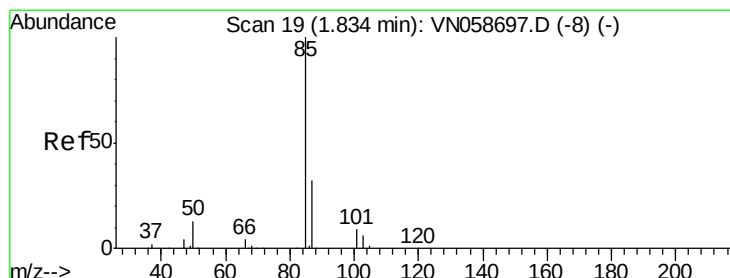
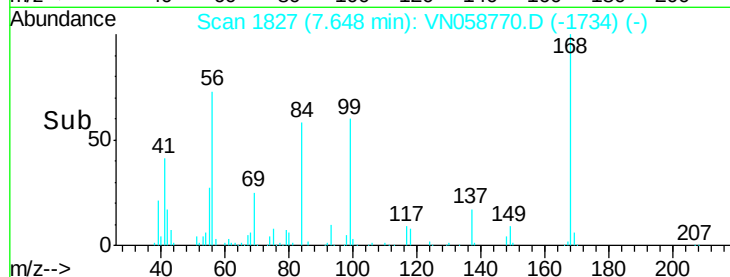
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.023 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058770.D

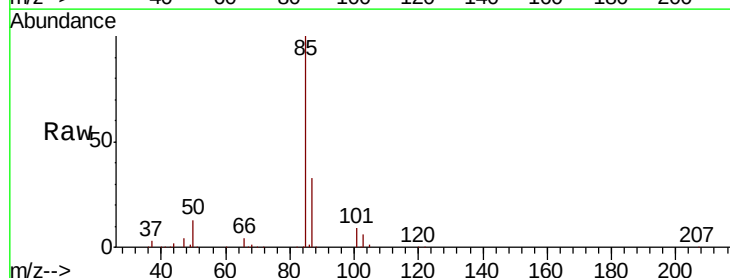
Acq: 14 Oct 2019 23:33

Tgt Ion: 85 Resp: 265063

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

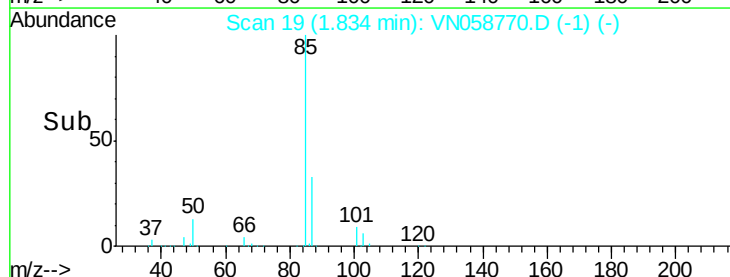
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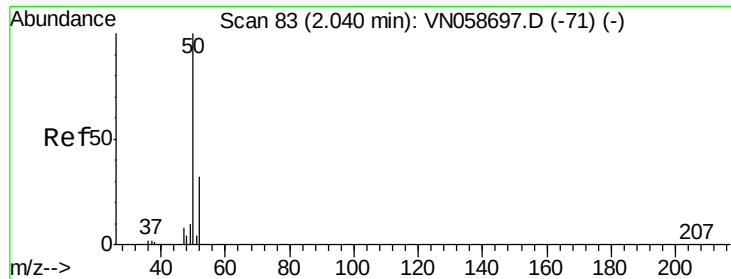
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 50.276 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 298864

Ion Ratio Lower Upper

50 100

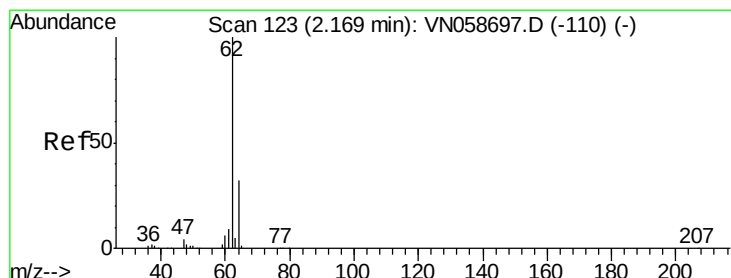
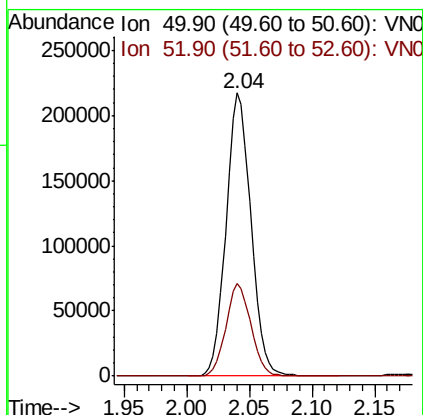
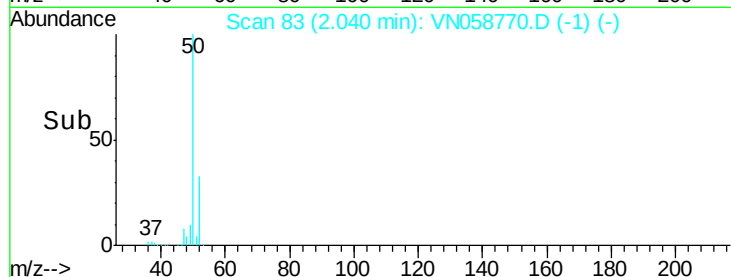
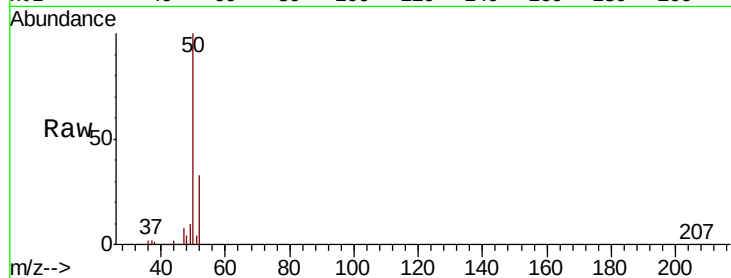
52 32.7 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.728 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058770.D

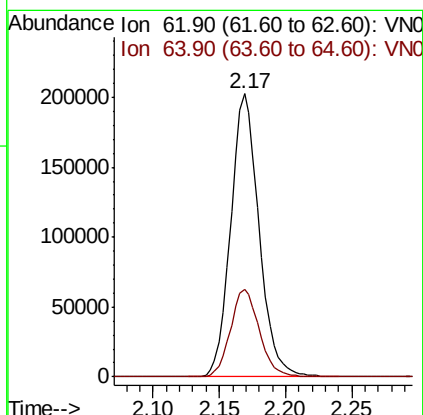
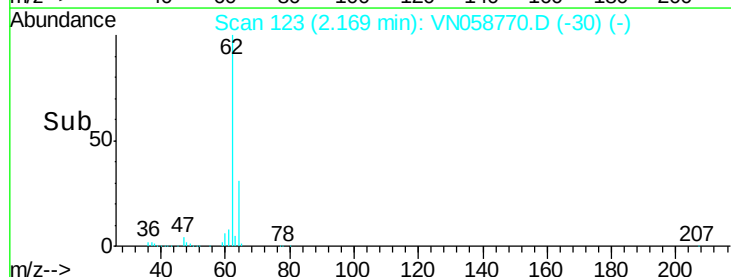
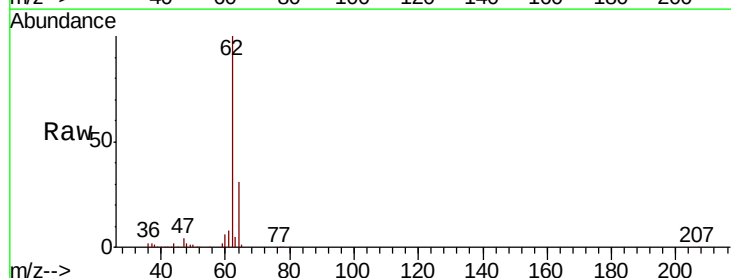
Acq: 14 Oct 2019 23:33

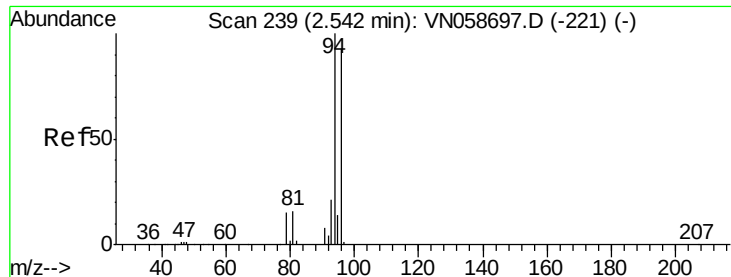
Tgt Ion: 62 Resp: 300337

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 50.767 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 182842

Ion Ratio Lower Upper

94 100

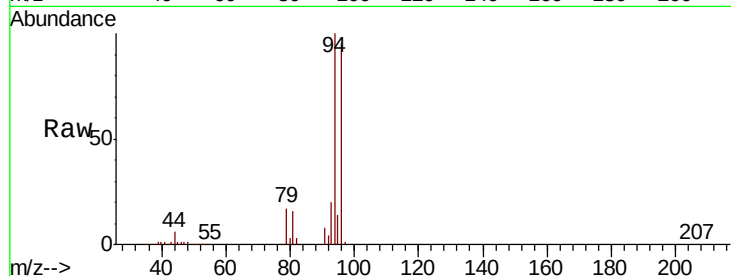
96 94.6 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

100000

80000

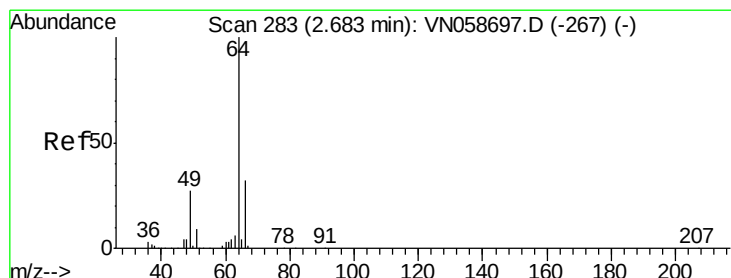
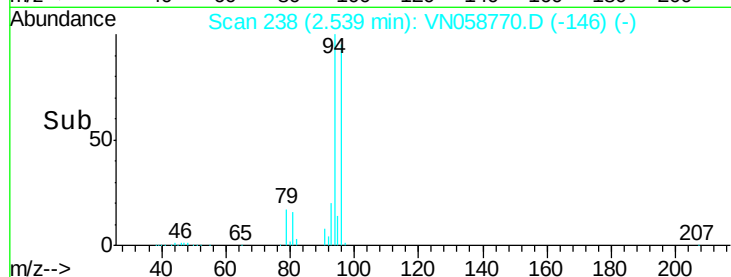
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 52.294 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058770.D

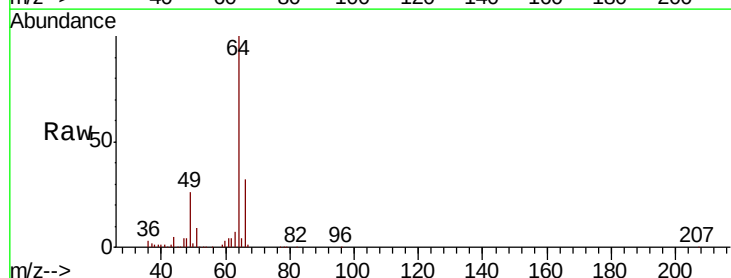
Acq: 14 Oct 2019 23:33

Tgt Ion: 64 Resp: 190971

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

100000

80000

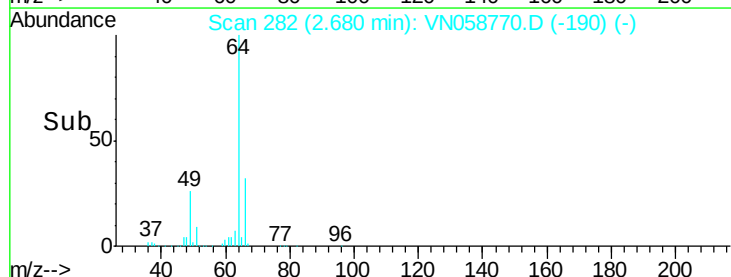
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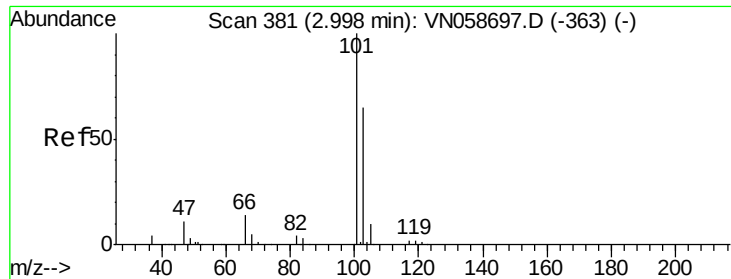
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Time-->





#7

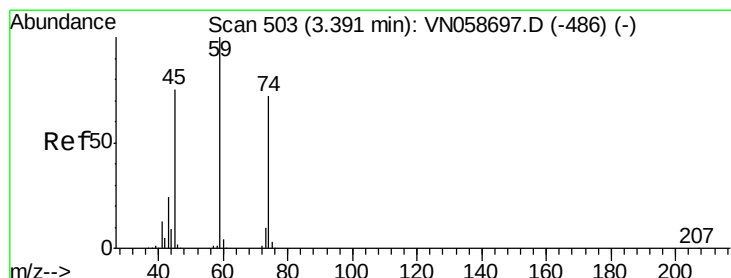
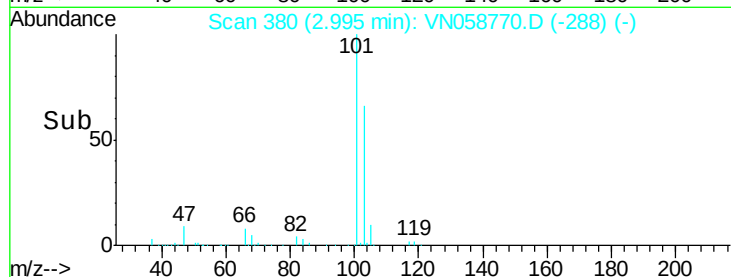
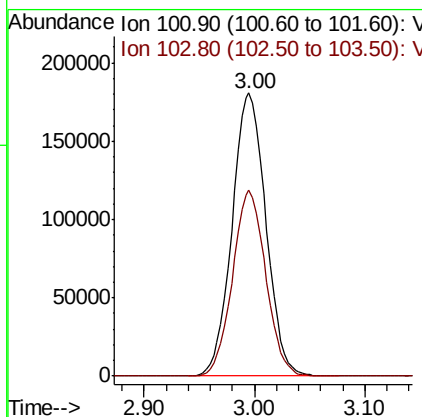
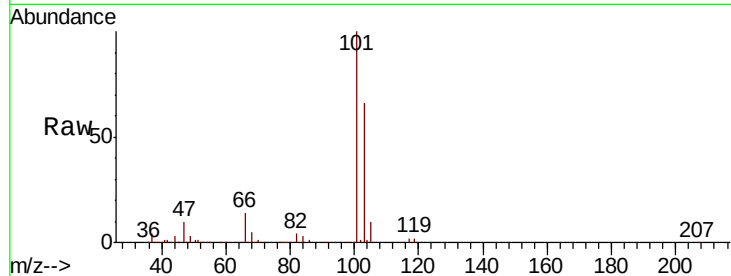
Trichlorofluoromethane
 Concen: 54.103 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6

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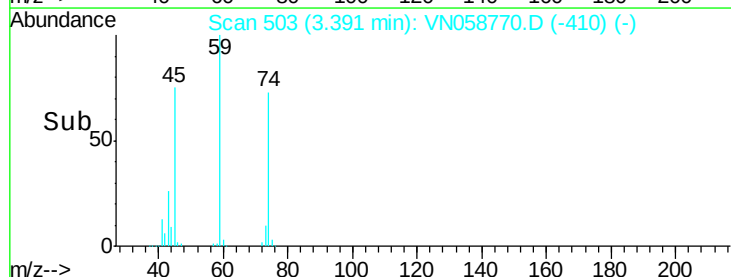
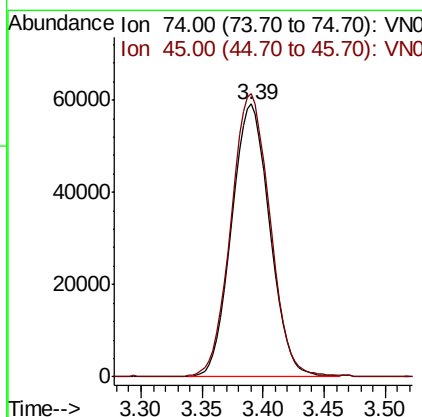
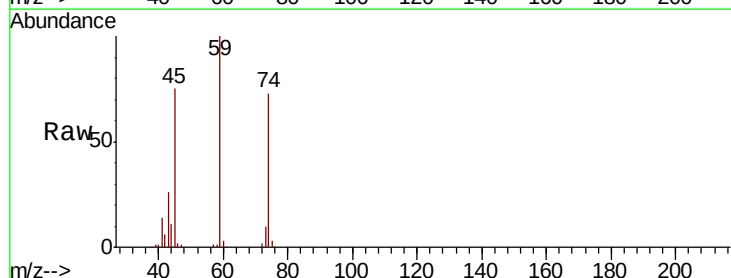
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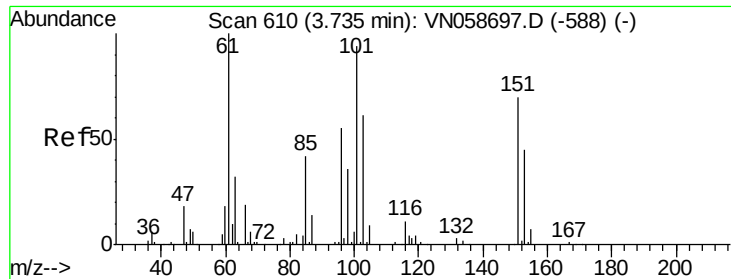


#8

Diethyl Ether
 Concen: 49.129 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.935 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058770.D

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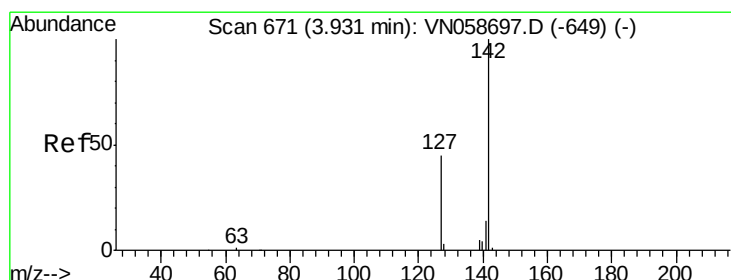
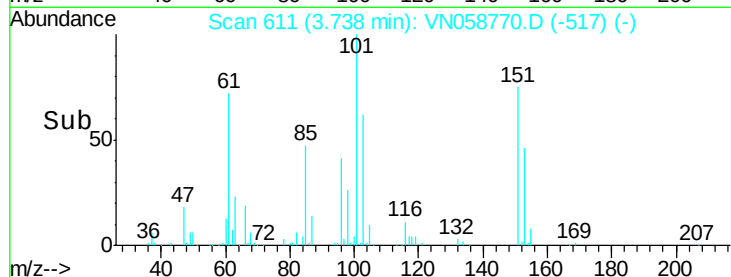
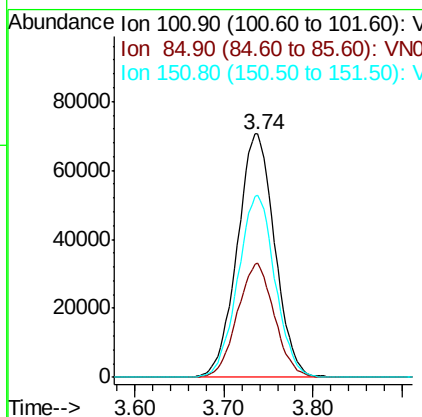
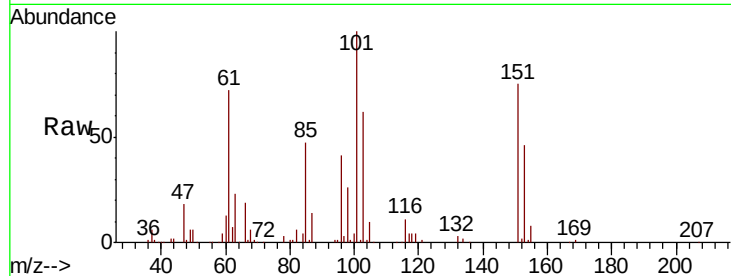
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	205783
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.0	55.6
151	74.3	61.8	92.6

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#10

Methyl Iodide

Concen: 49.819 ug/l

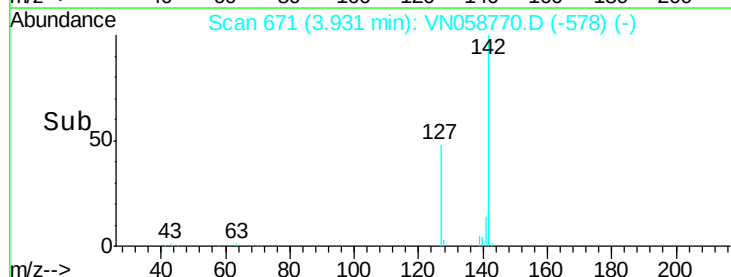
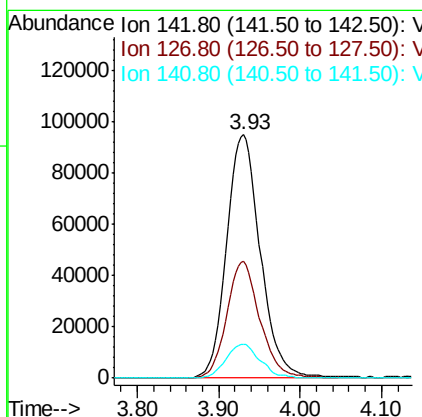
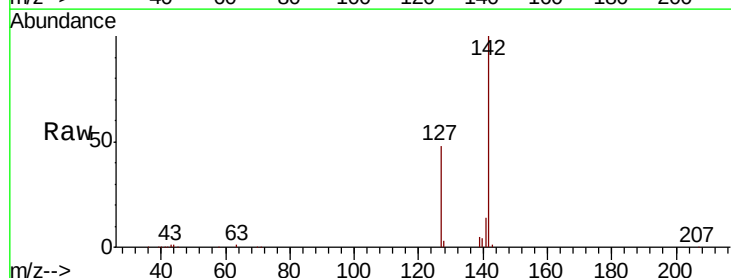
RT: 3.93 min Scan# 671

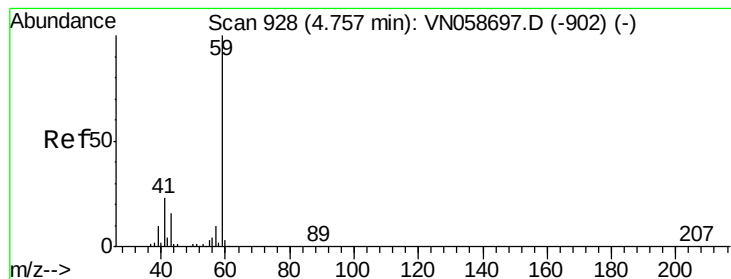
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	142	Resp:	274666
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.4	54.6
141	14.2	11.1	16.7





#11

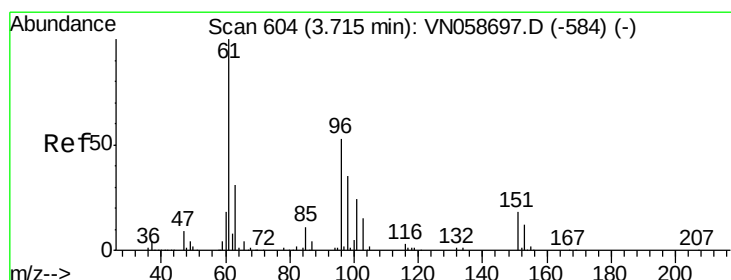
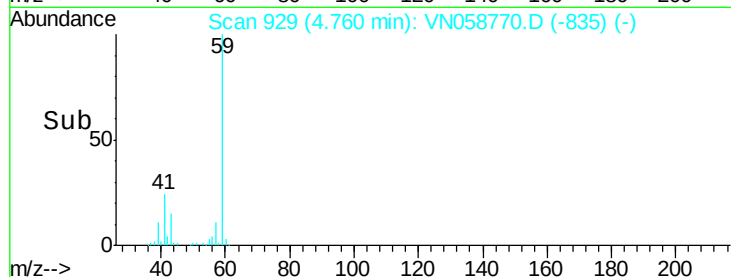
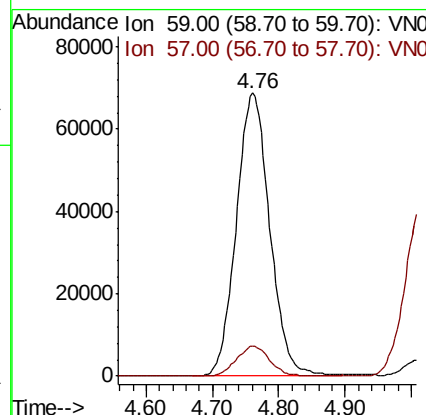
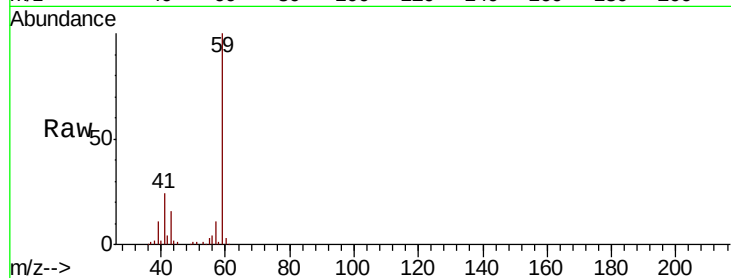
Tert butyl alcohol
 Concen: 264.942 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	241112
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

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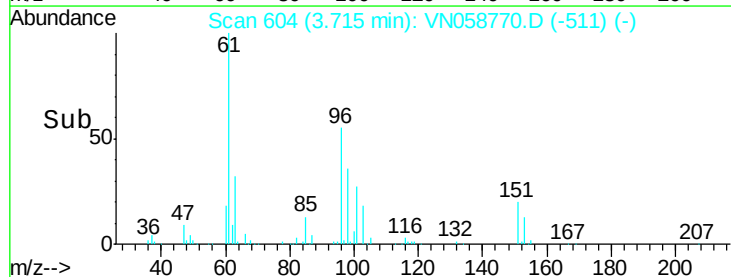
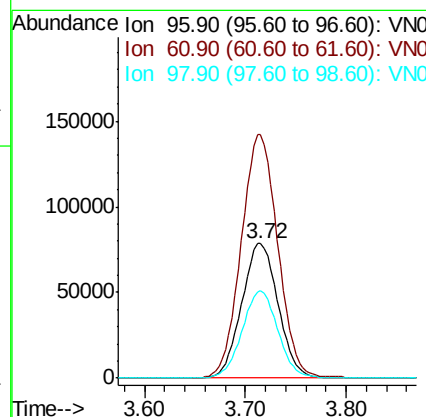
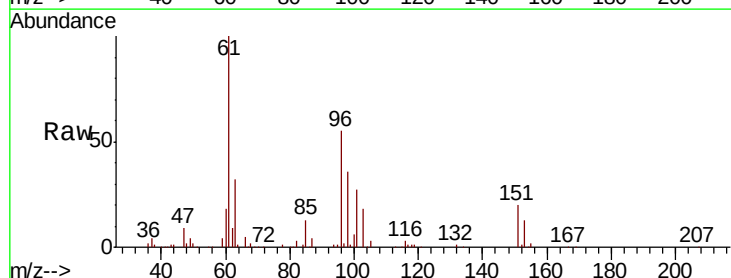
MMDadoda
 10/16/2019 12:57:22 AM

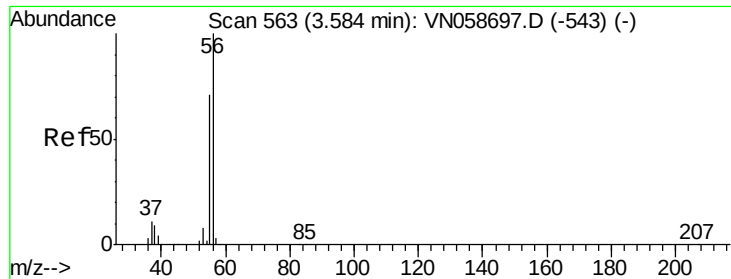


#12

1,1-Dichloroethene
 Concen: 51.133 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	96	Resp	197105
Ion Ratio	100	Lower	Upper
61	180.7	151.3	226.9
98	65.1	52.6	78.8





#13

Acrolein

Concen: 205.544 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 150441

Ion Ratio Lower Upper

56 100

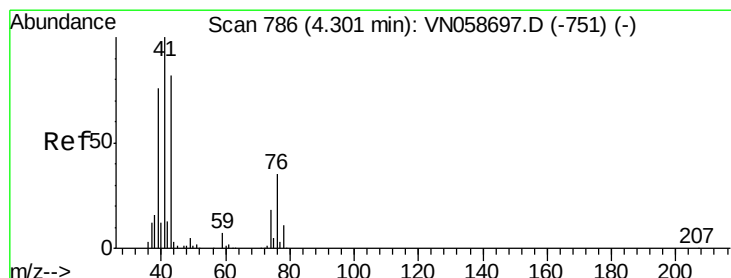
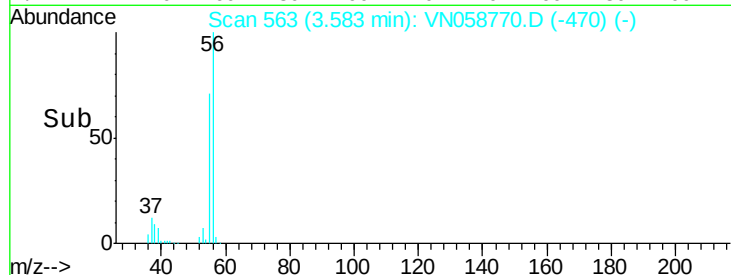
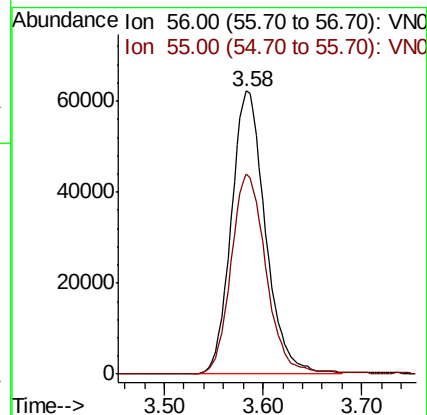
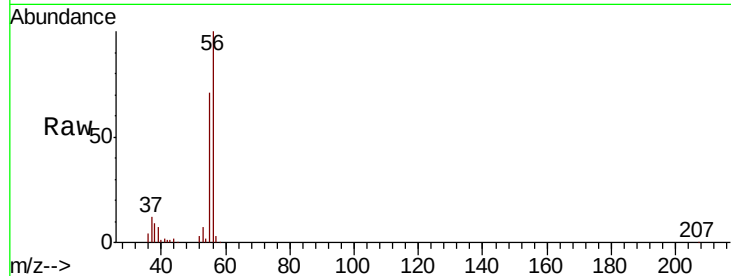
55 72.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.460 ug/l m

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

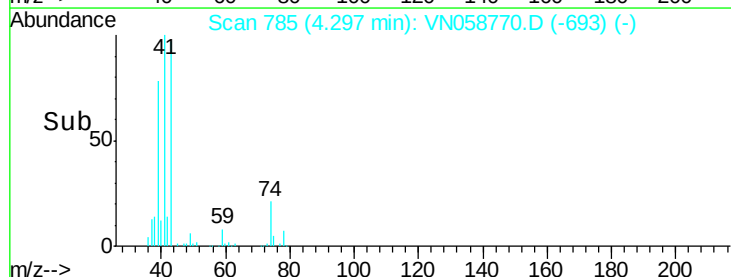
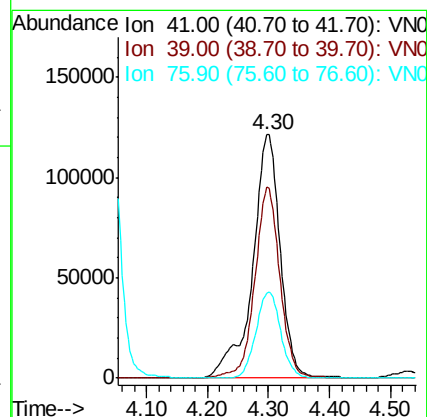
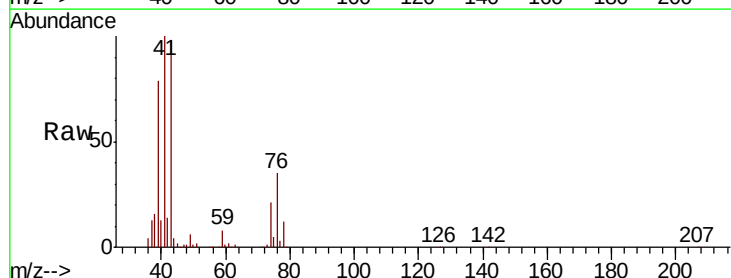
Tgt Ion: 41 Resp: 384750

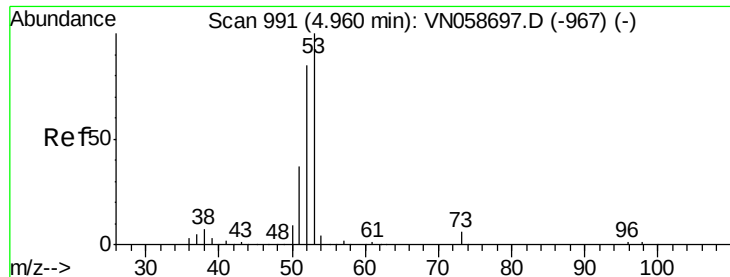
Ion Ratio Lower Upper

41 100

39 70.9 57.2 85.8

76 31.5 25.0 37.6





#15

Acrylonitrile

Concen: 277.396 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

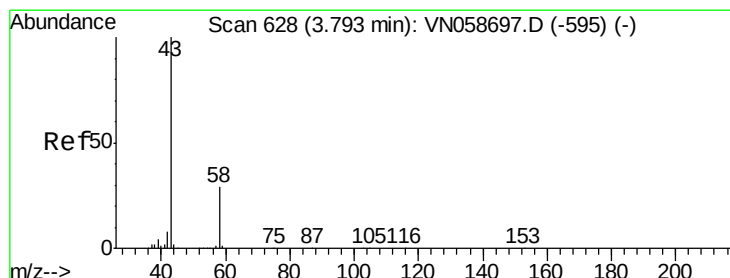
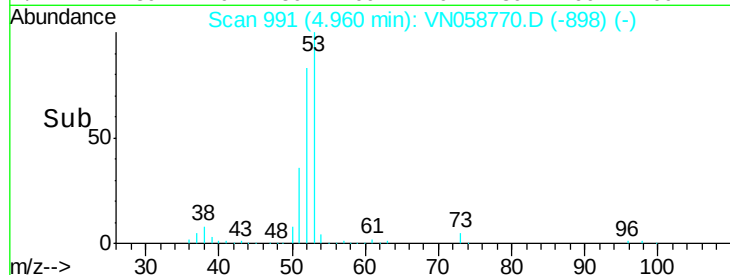
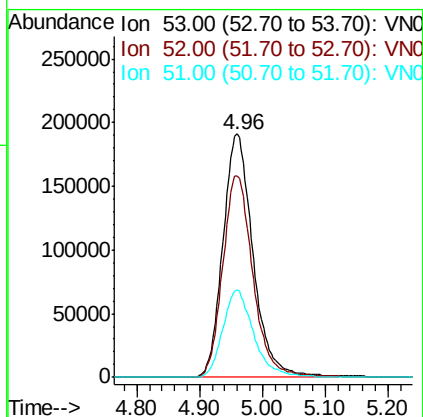
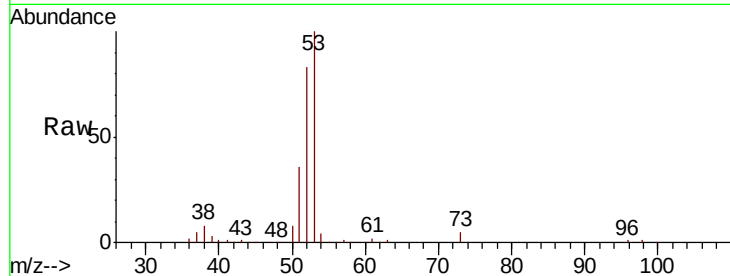
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	636629
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	37.0	29.4	44.2

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#16

Acetone

Concen: 246.275 ug/l

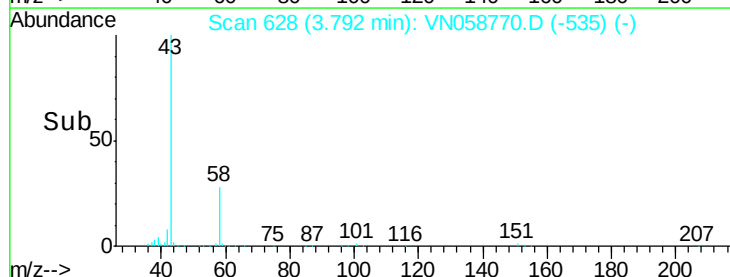
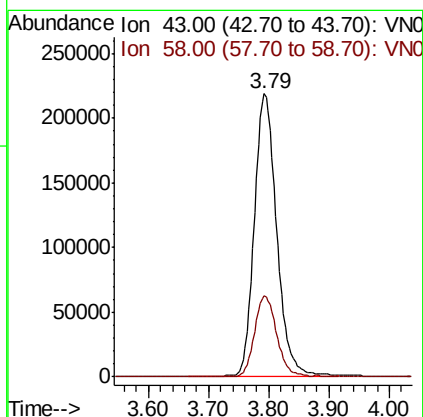
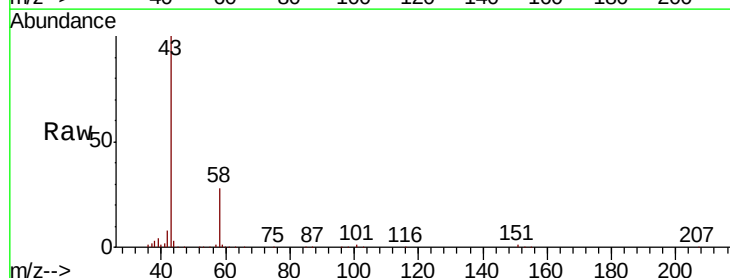
RT: 3.79 min Scan# 628

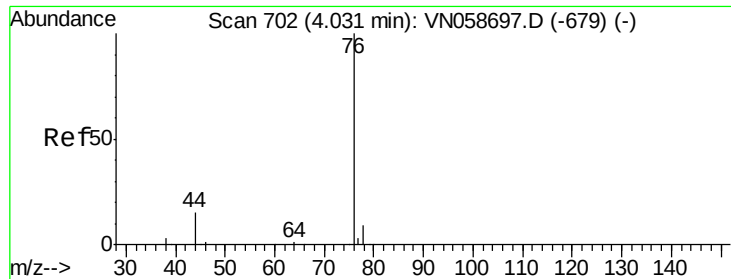
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	43	Resp:	572925
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.3	34.9





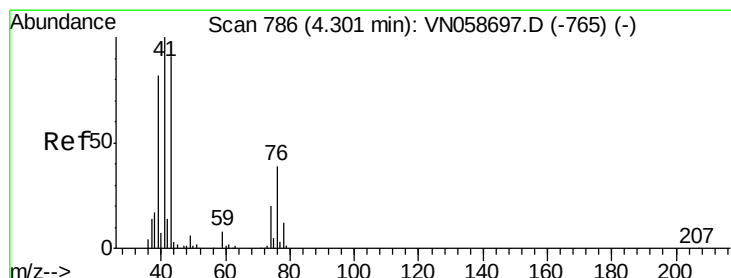
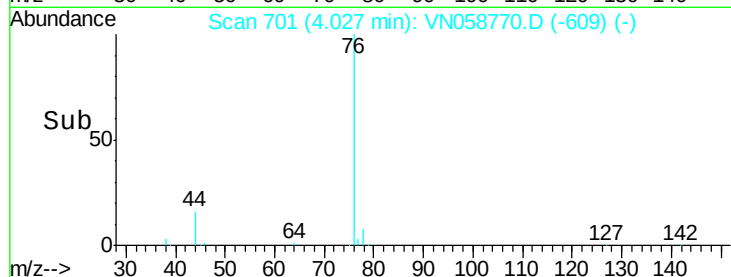
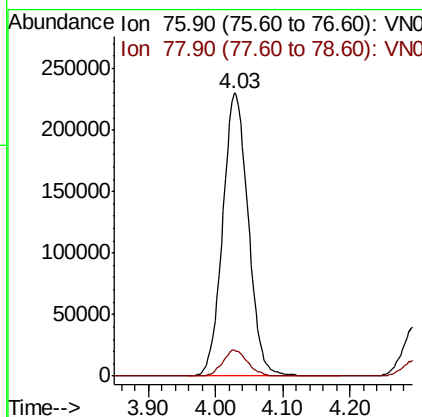
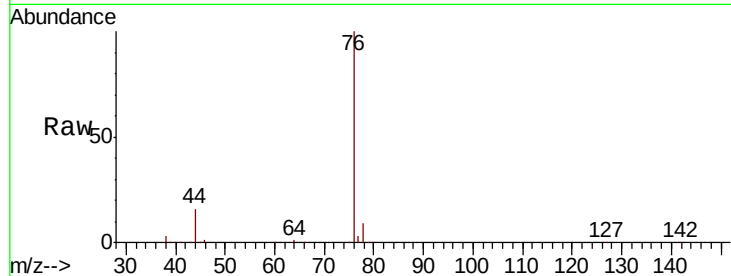
#17
Carbon Disulfide
Concen: 49.233 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 606645
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

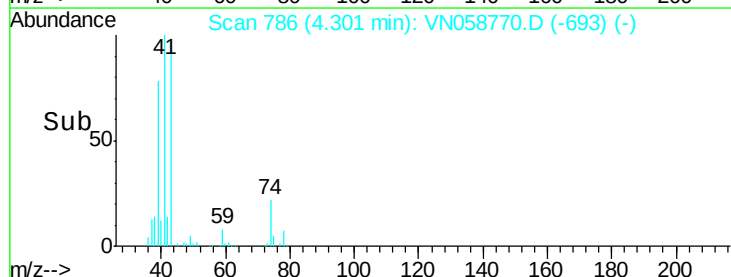
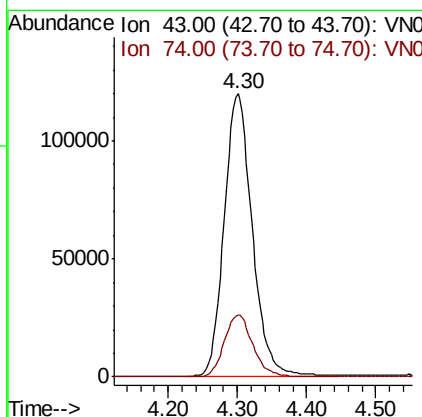
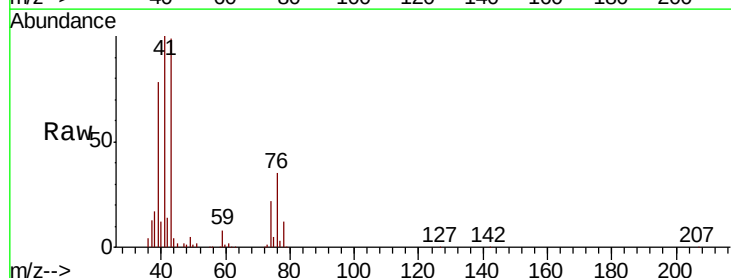
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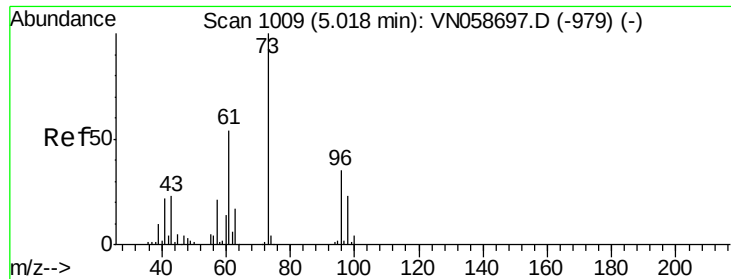
MMDadoda
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#18
Methyl Acetate
Concen: 57.242 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion: 43 Resp: 337784
Ion Ratio Lower Upper
43 100
74 22.5 17.2 25.8





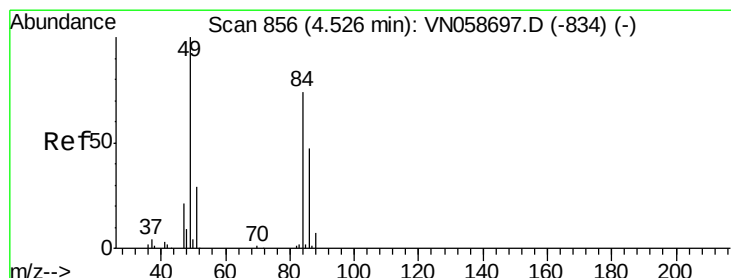
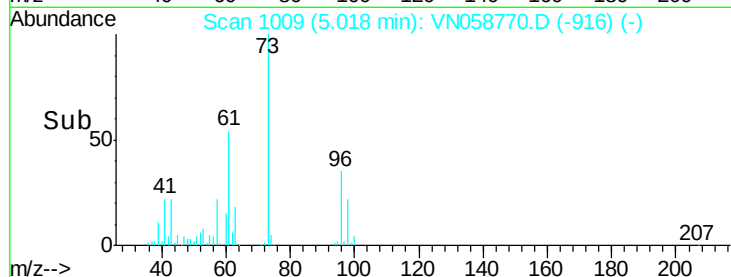
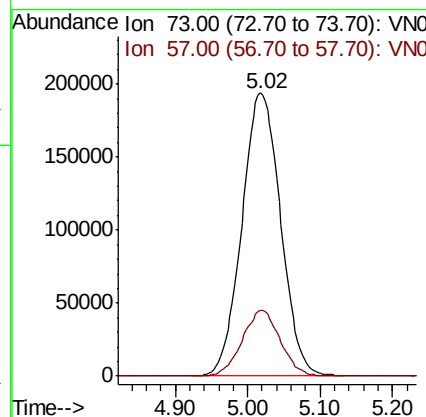
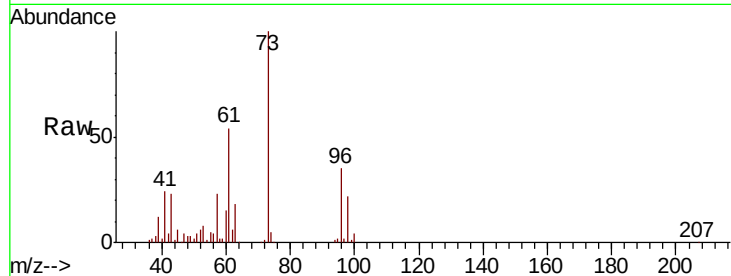
#19
Methyl tert-butyl Ether
Concen: 52.281 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 719621
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6

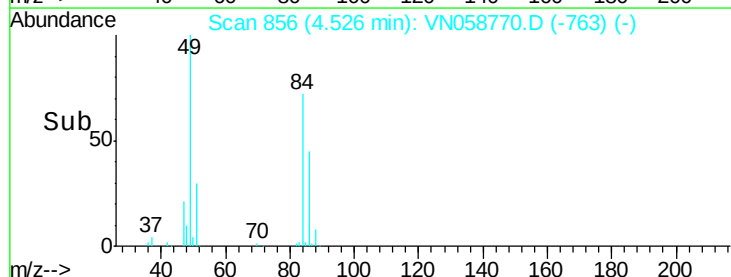
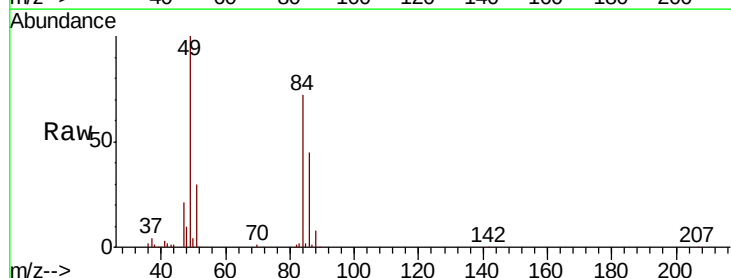
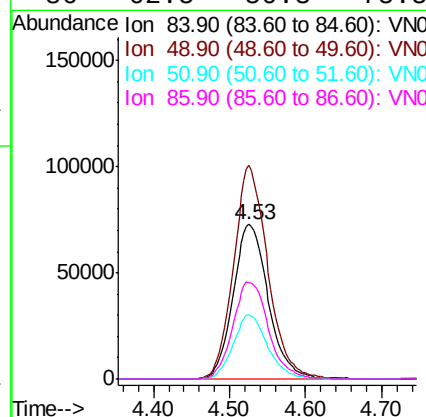
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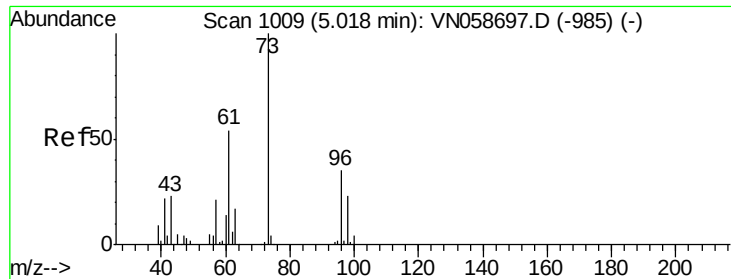
MMDadoda
10/16/2019 12:57:22 AM



#20
Methylene Chloride
Concen: 48.190 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion: 84 Resp: 234301
Ion Ratio Lower Upper
84 100
49 138.2 107.6 161.4
51 41.2 31.4 47.0
86 62.5 50.3 75.5





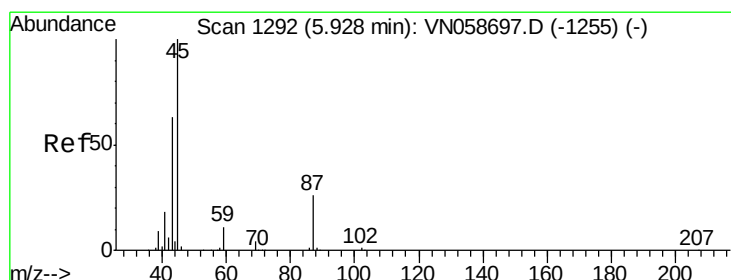
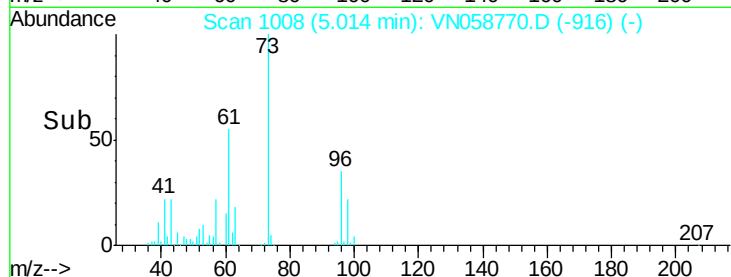
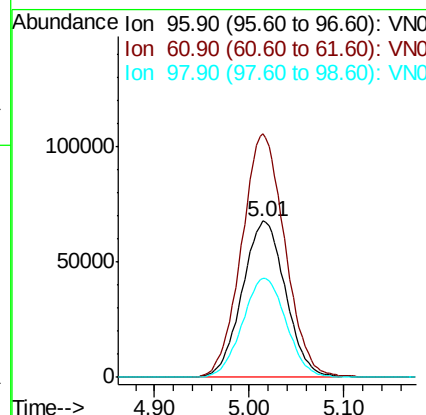
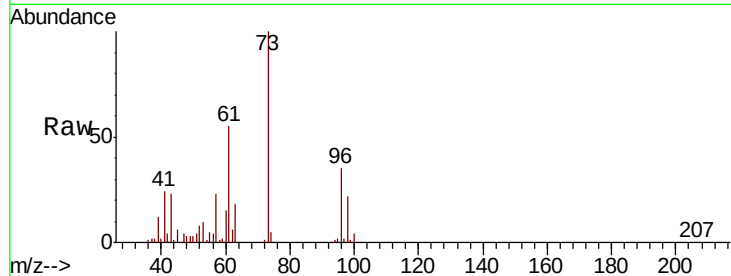
#21
trans-1,2-Dichloroethene
Concen: 49.971 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	123.6	185.4
98	63.5	52.1	78.1

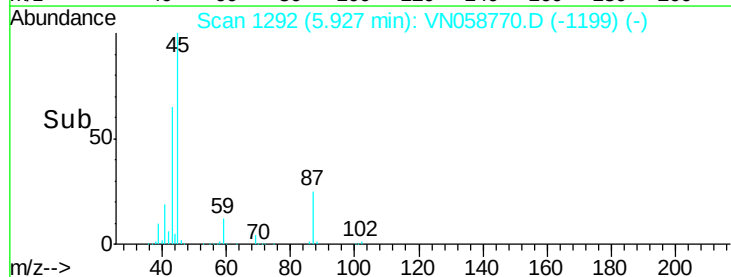
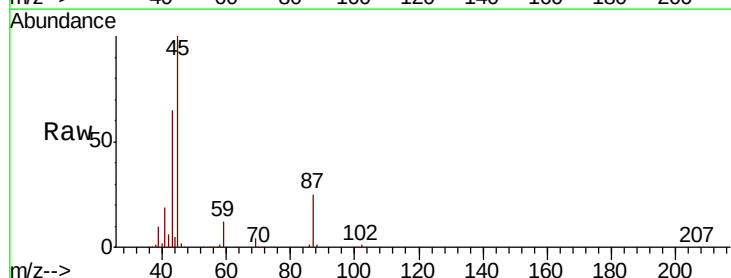
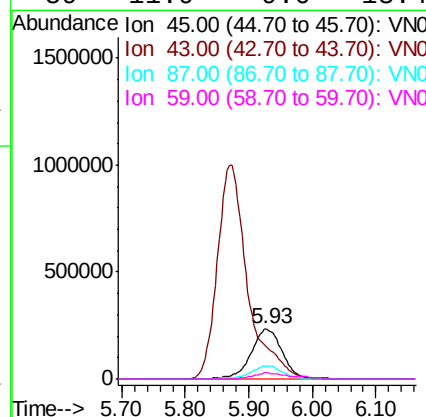
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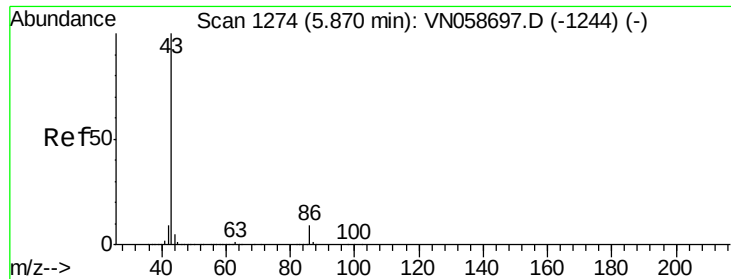
MMDadoda
10/16/2019 12:57:22 AM



#22
Diisopropyl ether
Concen: 52.449 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	50.6	75.8
87	25.4	21.1	31.7
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 271.640 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3315236

Ion Ratio Lower Upper

43 100

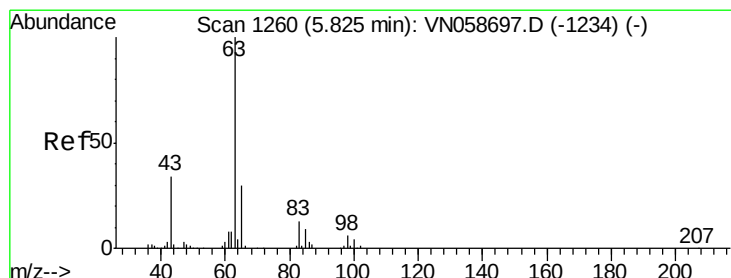
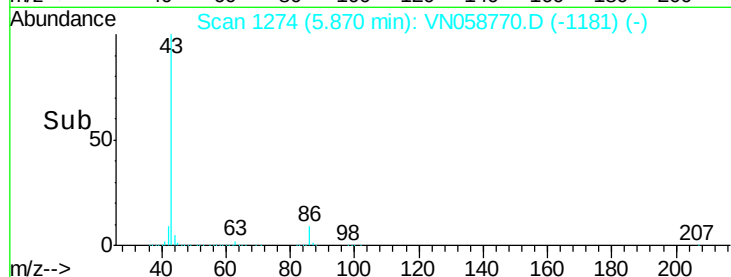
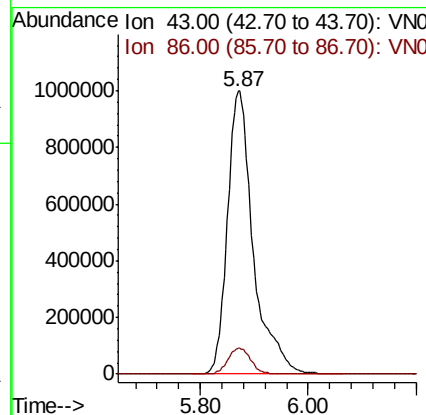
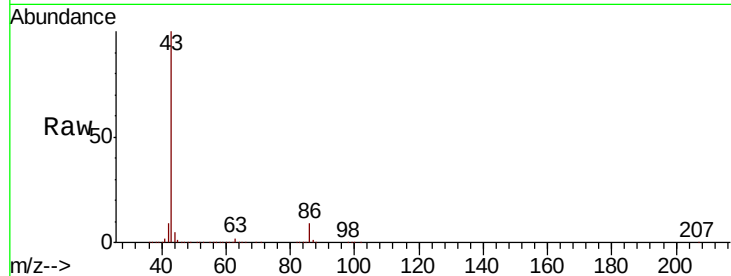
86 9.2 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.219 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

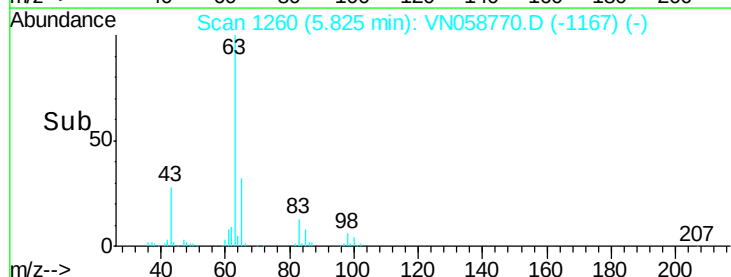
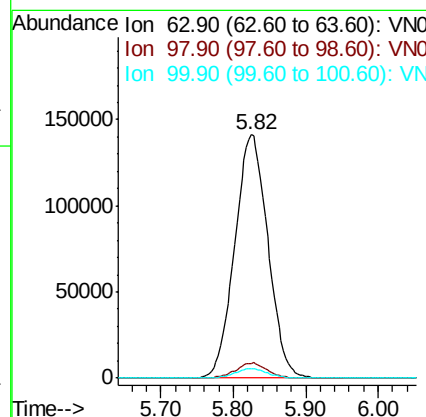
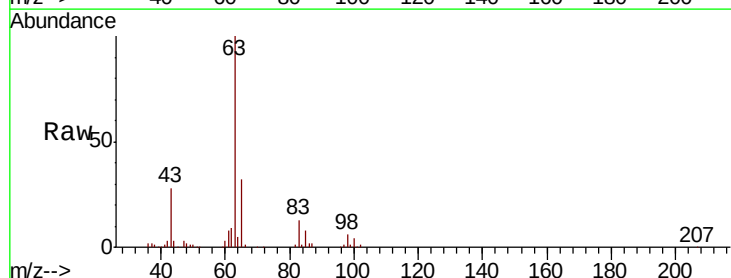
Tgt Ion: 63 Resp: 449825

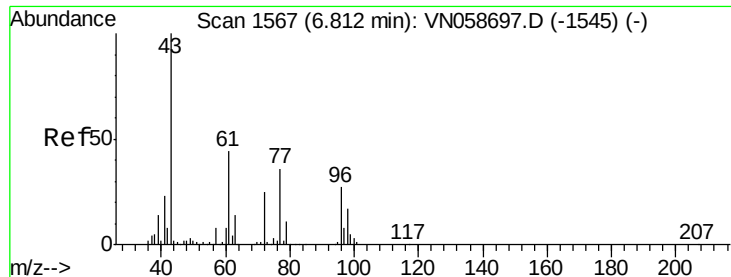
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 264.709 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 890087

Ion Ratio Lower Upper

43 100

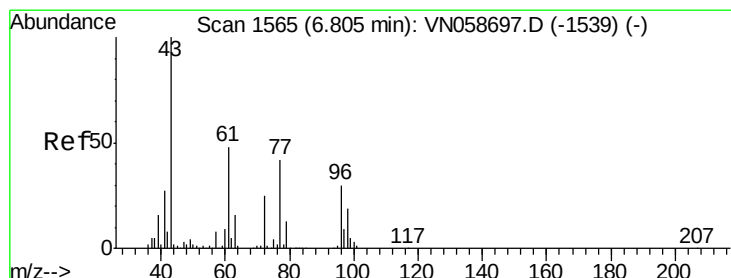
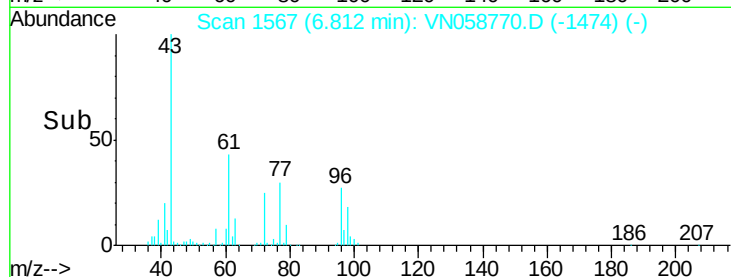
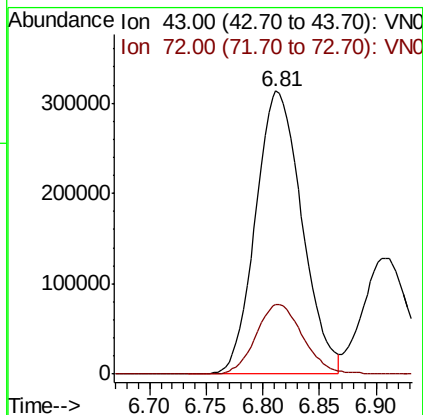
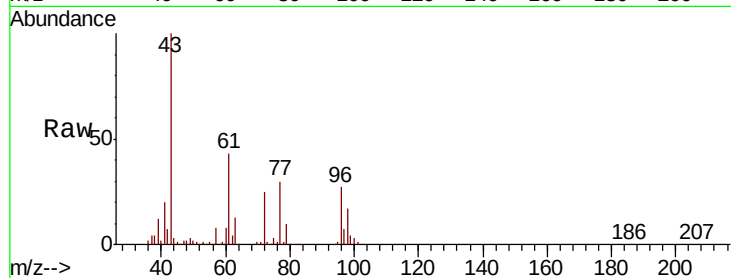
72 24.8 20.2 30.2

Manual Integrations

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MMDadoda

10/16/2019 12:57:22 AM



#26

2,2-Dichloropropane

Concen: 41.034 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058770.D

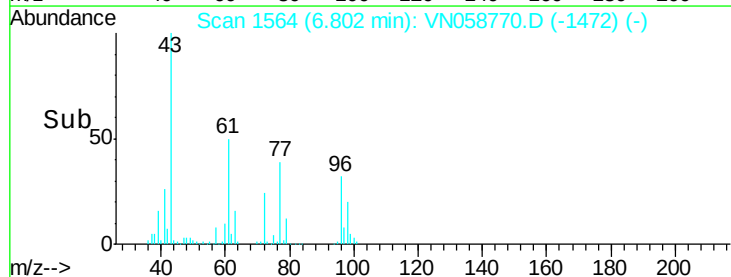
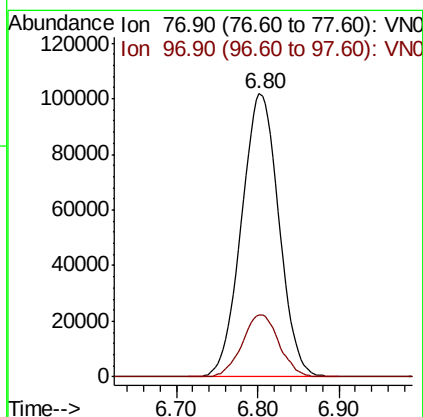
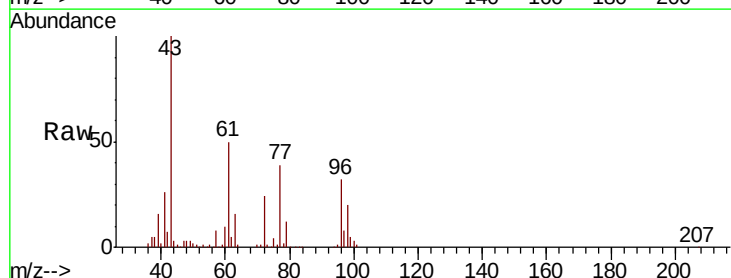
Acq: 14 Oct 2019 23:33

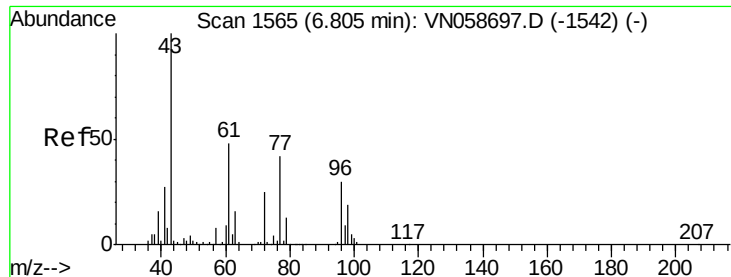
Tgt Ion: 77 Resp: 322667

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.218 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

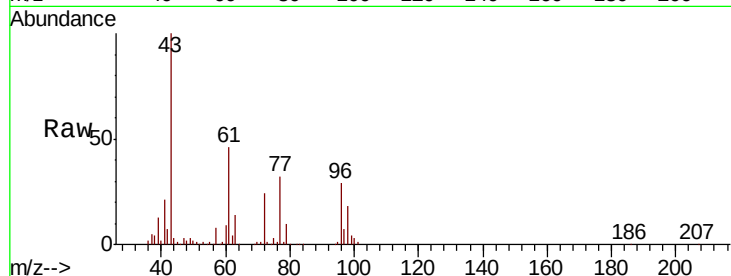
ClientSampleId :

VSTDCCC050EC

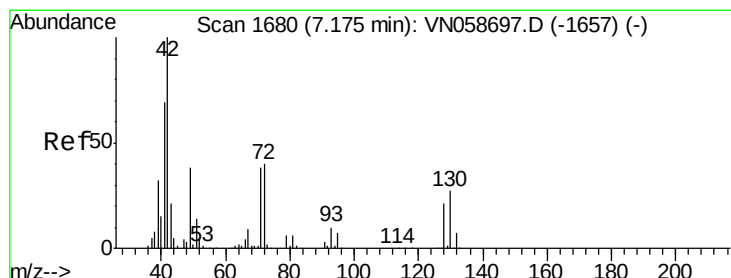
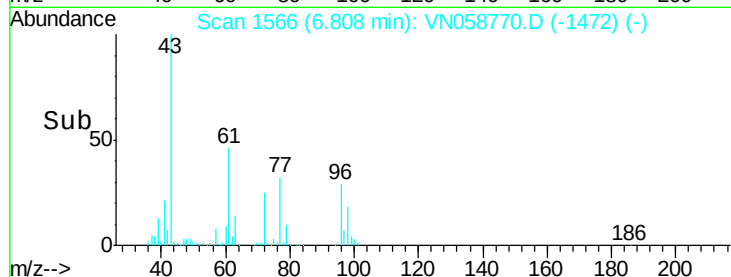
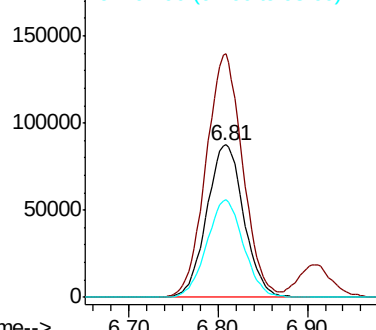
Tot Ion:	96	Resp:	252501
Ion Ratio	Lower	Upper	
96	100		
61	158.0	0.0	324.8
98	63.4	0.0	129.2

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Abundance Ion 95.90 (95.60 to 96.60): VN058770.D (-1472) (-)



#28

Bromochloromethane

Concen: 51.679 ug/l

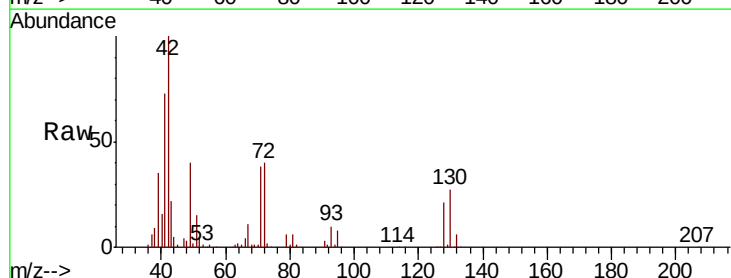
RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

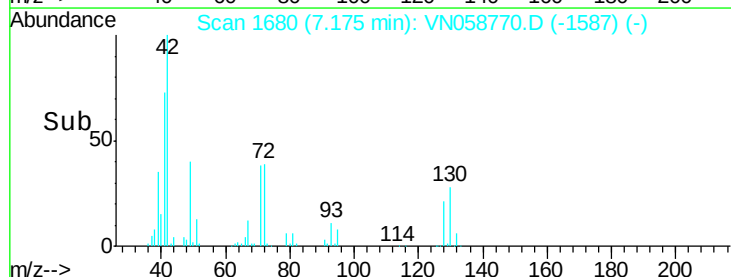
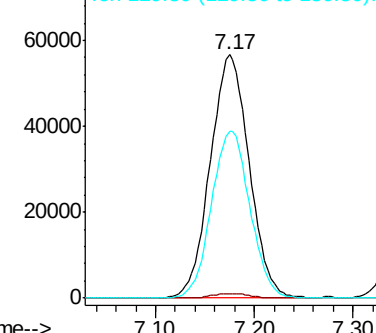
Lab File: VN058770.D

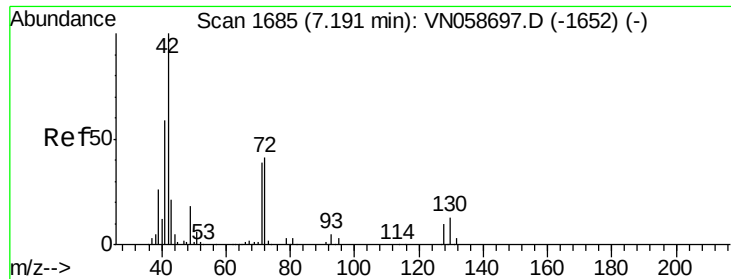
Acq: 14 Oct 2019 23:33

Tgt Ion:	49	Resp:	154874
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	67.8	55.0	82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058770.D (-1587) (-)





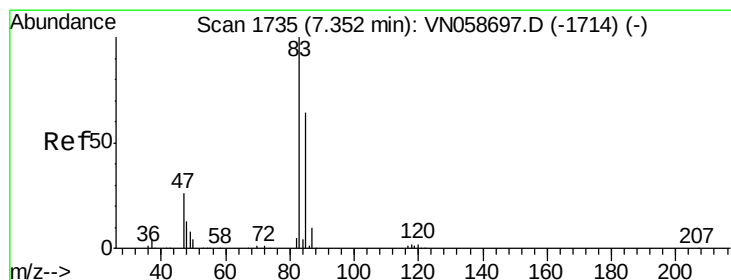
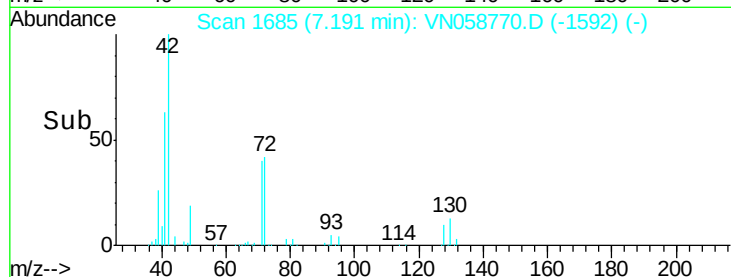
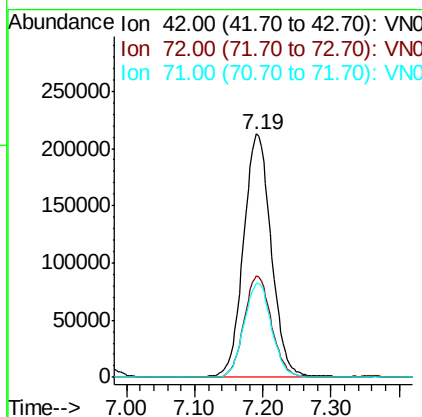
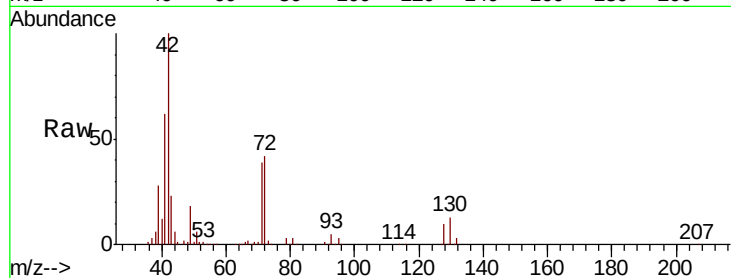
#29
Tetrahydrofuran
Concen: 275.964 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	38.4	31.1	46.7

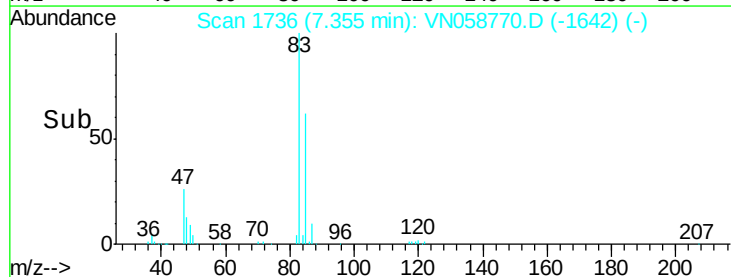
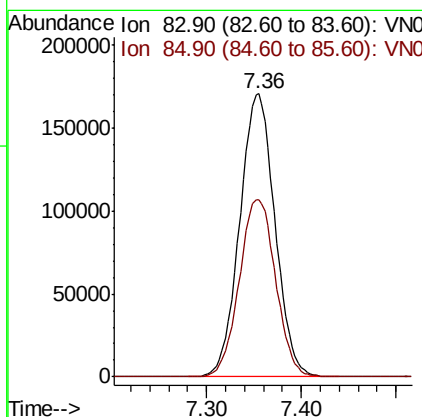
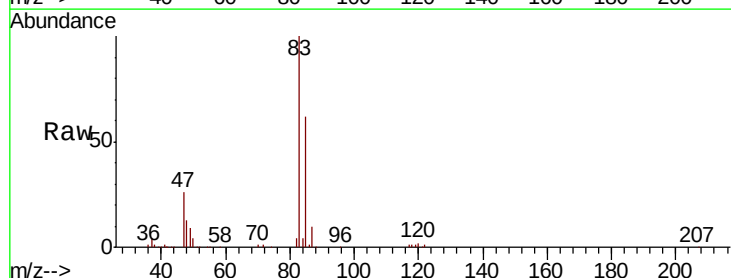
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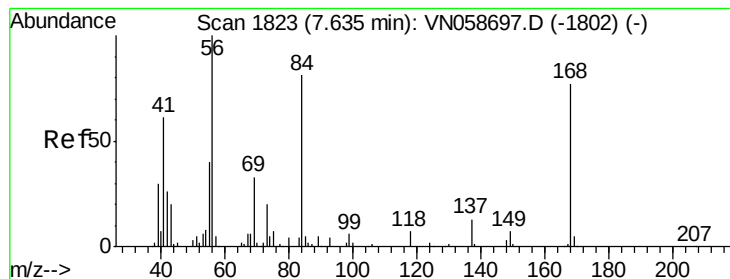
MMDadoda
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#30
Chloroform
Concen: 51.008 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.6





#31

Cyclohexane

Concen: 49.050 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 404286

Ion Ratio Lower Upper

56 100

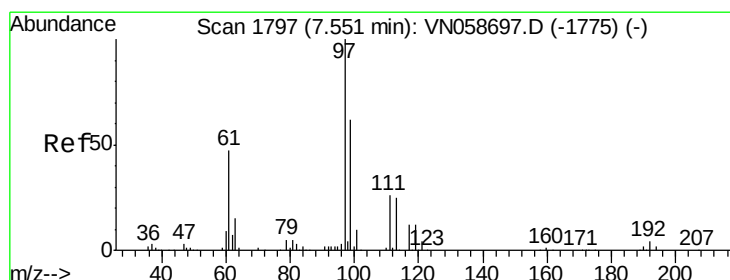
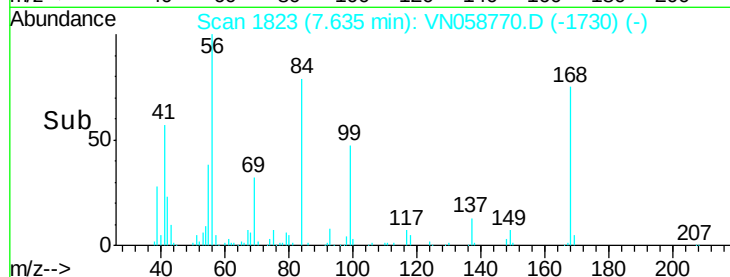
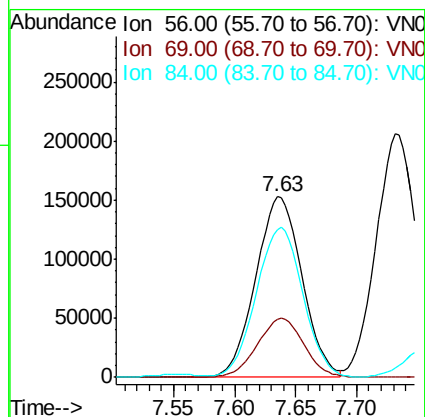
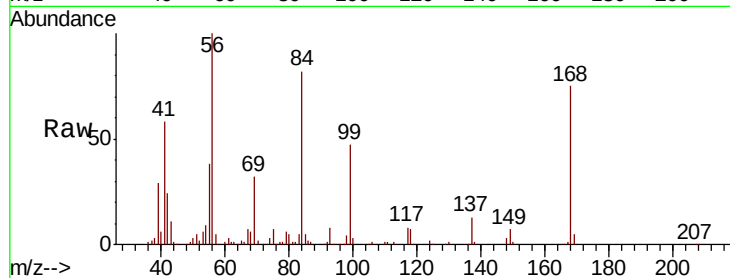
69 32.4 26.2 39.4

84 80.7 64.9 97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.261 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

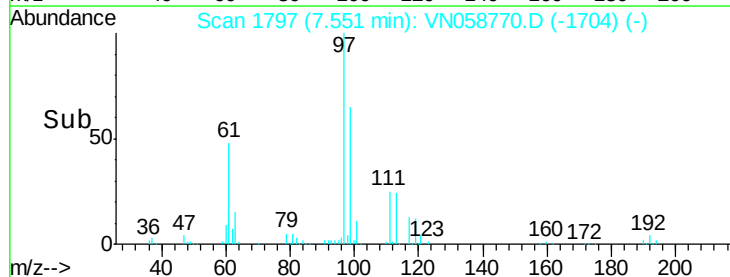
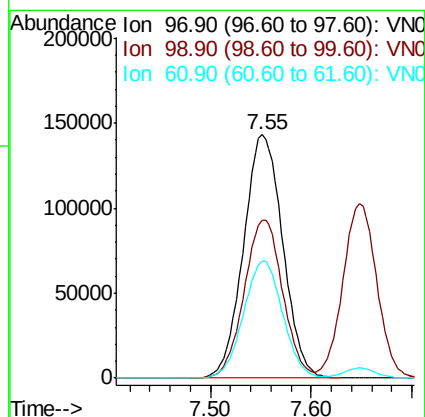
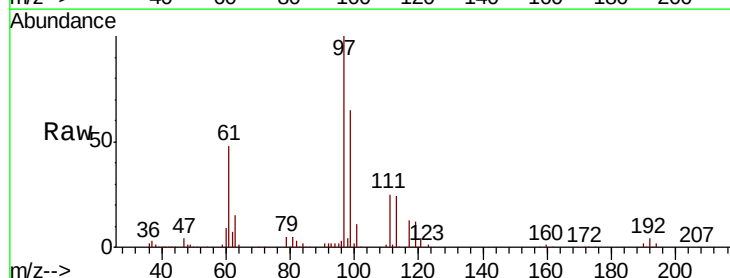
Tgt Ion: 97 Resp: 385739

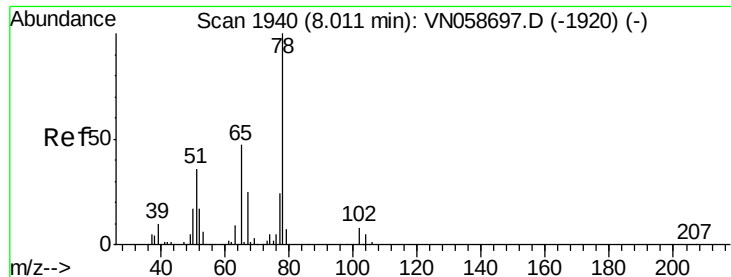
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 48.1 38.1 57.1





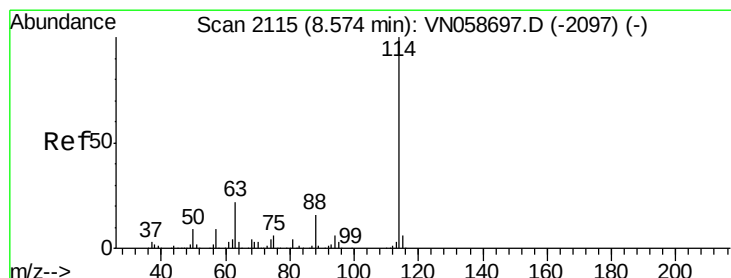
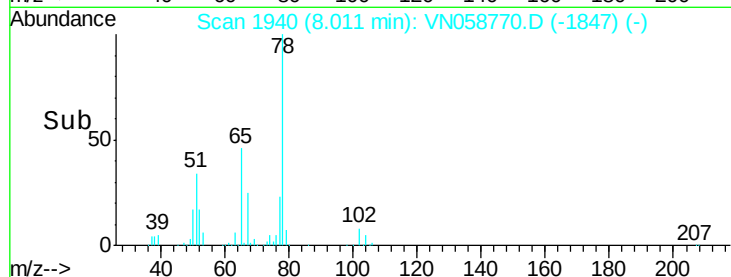
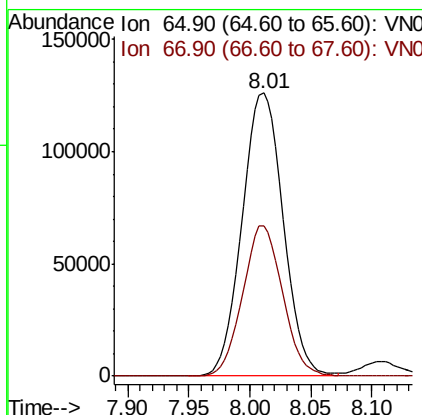
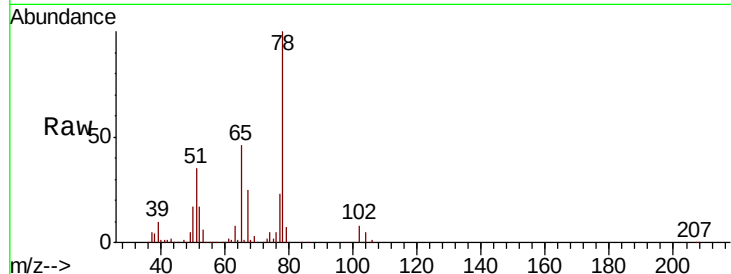
#33
 1,2-Dichloroethane-d4
 Concen: 52.371 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	294288		
67	51.7	0.0	103.8	

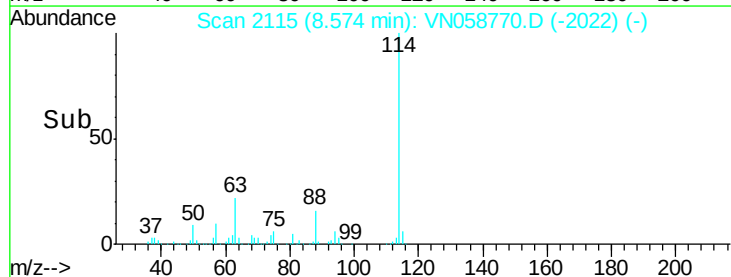
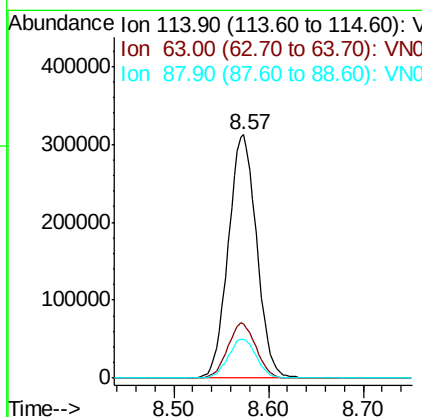
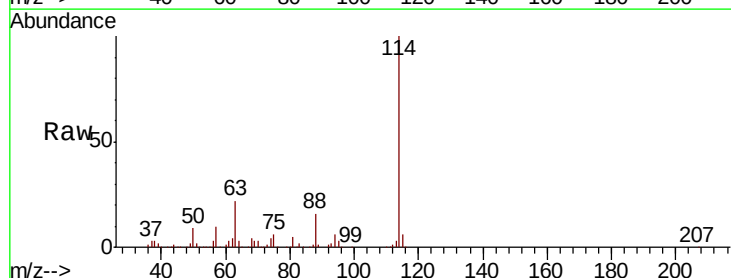
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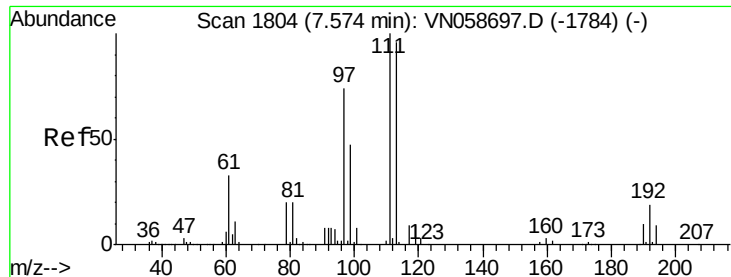
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	648372		
63	22.5	0.0	43.8	
88	16.2	0.0	32.0	





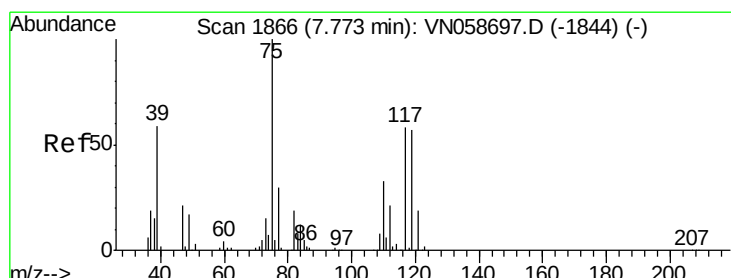
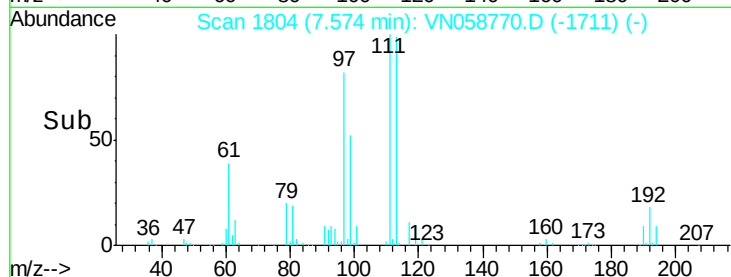
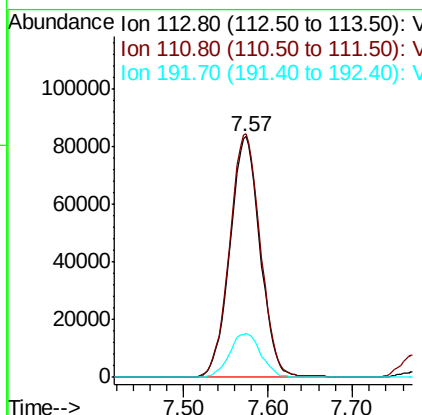
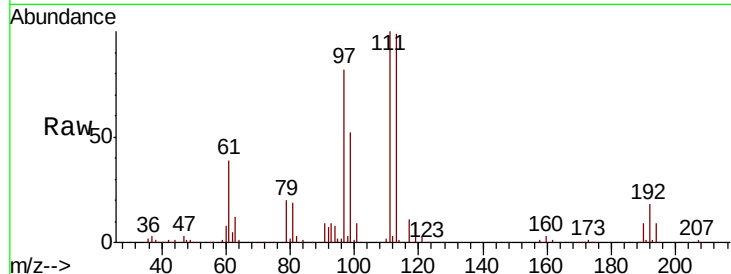
#35
 Dibromofluoromethane
 Concen: 52.030 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208371		
111	102.9	82.3	123.5	
192	18.9	15.0	22.6	

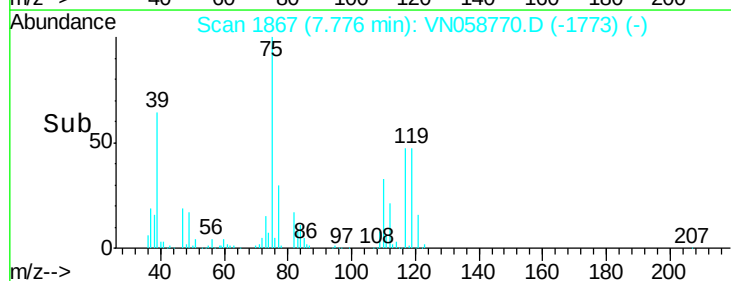
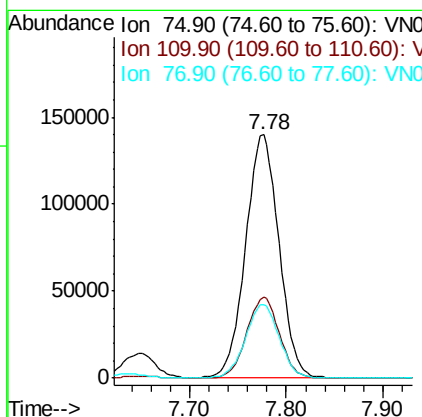
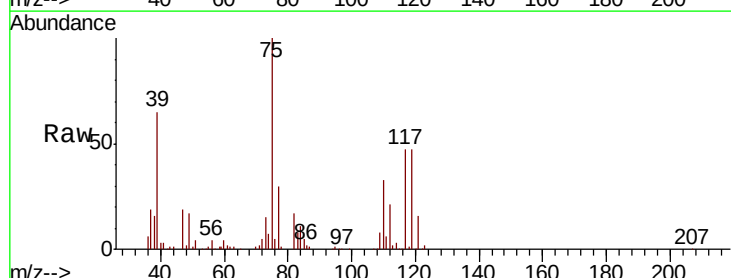
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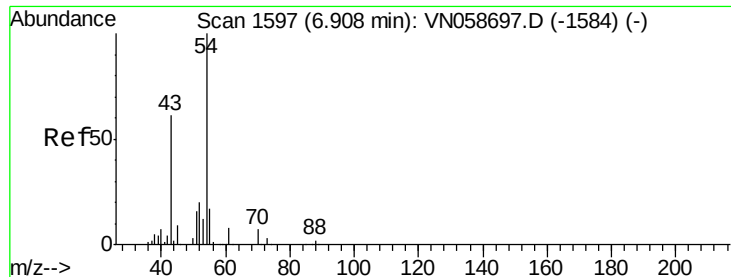
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#36
 1,1-Dichloropropene
 Concen: 51.024 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	334489		
110	32.6	16.6	49.8	
77	30.8	24.6	37.0	





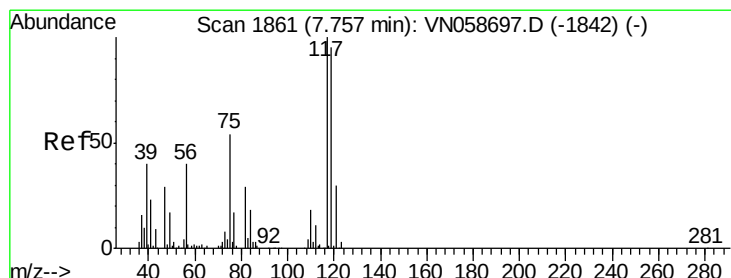
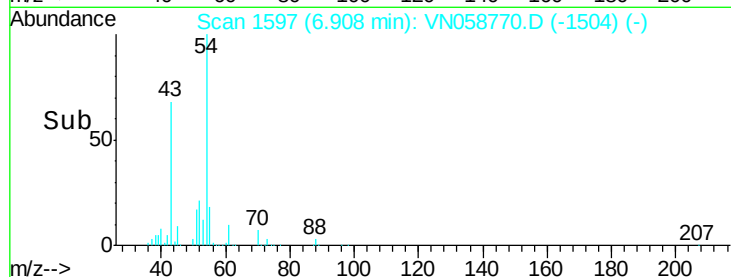
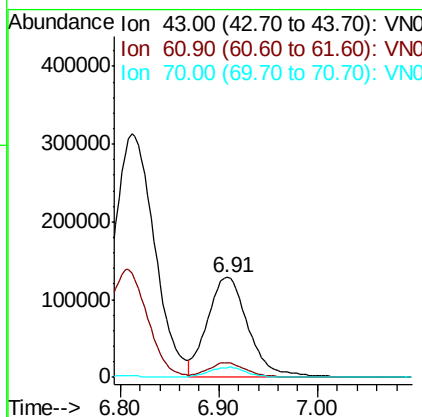
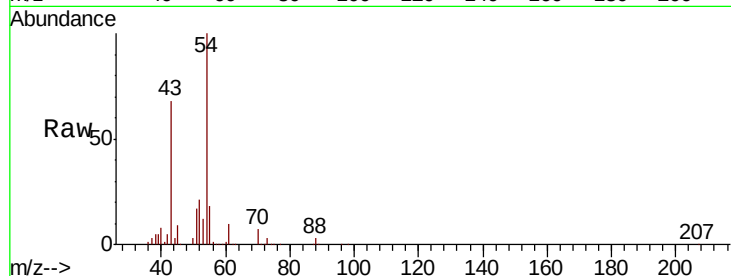
#37
Ethyl Acetate
Concen: 55.326 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	9.6	7.2	10.8

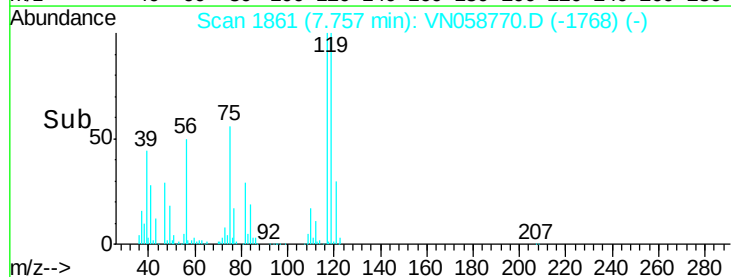
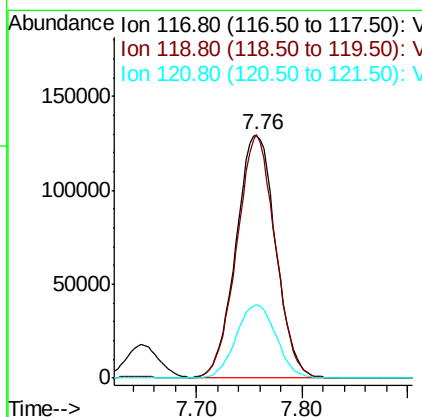
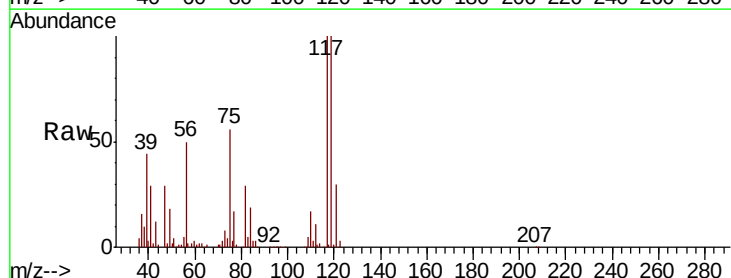
Manual Integrations
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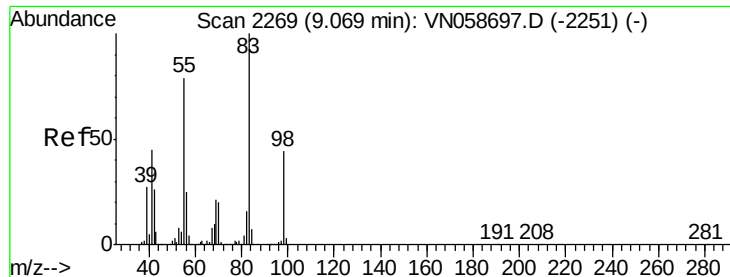
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.193 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.7	113.5
121	30.4	23.9	35.9





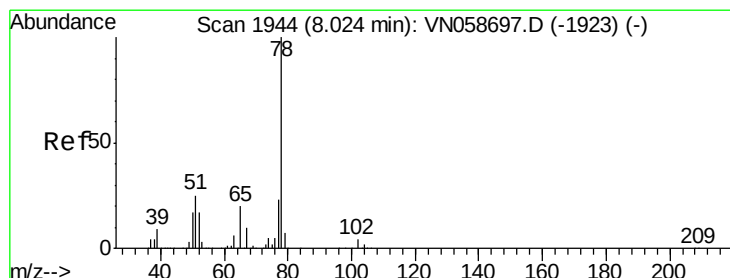
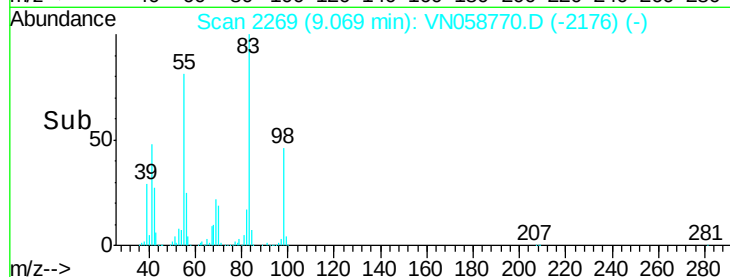
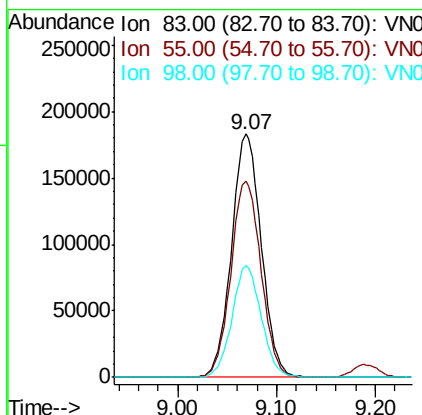
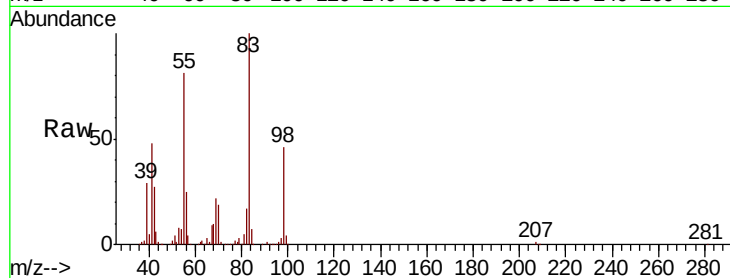
#39
Methylvlcyclohexane
Concen: 50.471 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.4	95.0
98	45.9	35.1	52.7

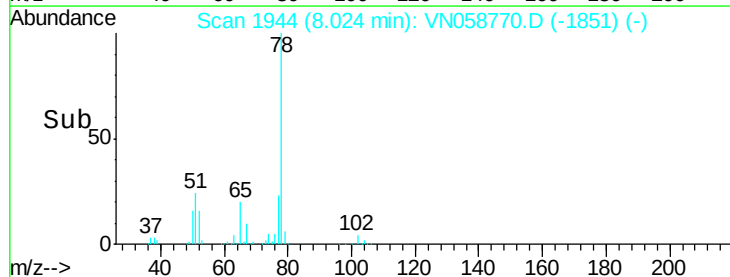
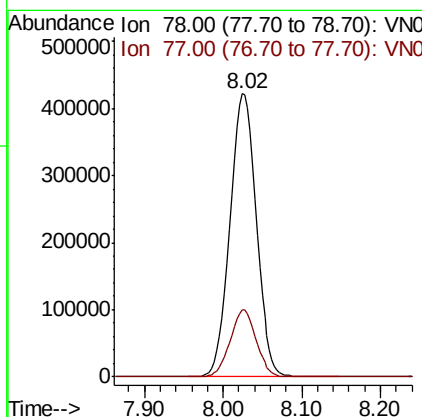
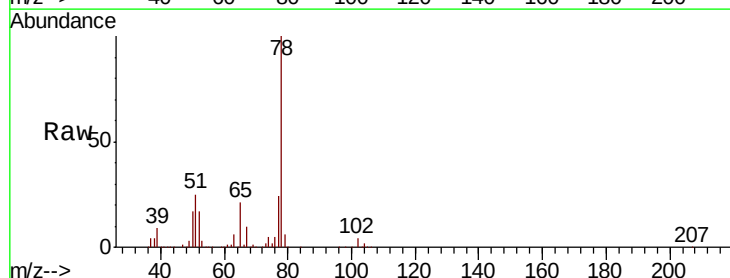
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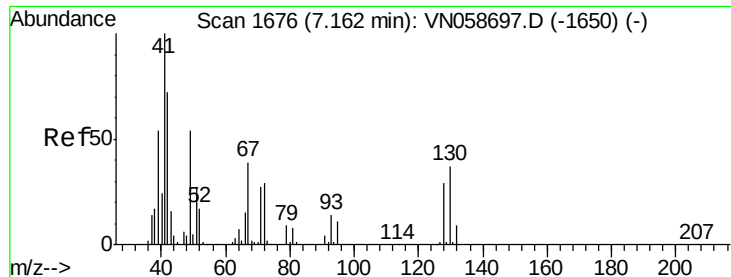
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#40
Benzene
Concen: 52.104 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





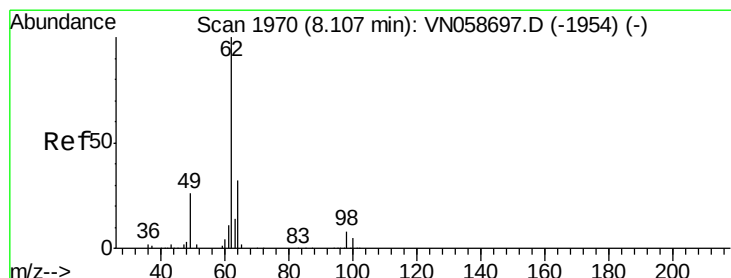
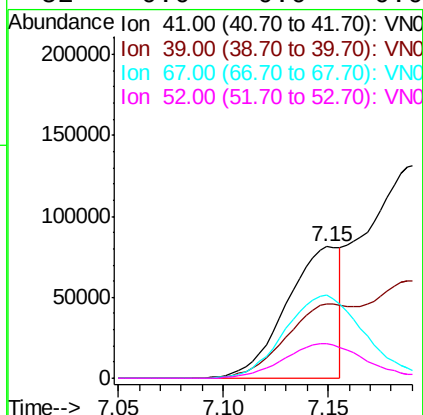
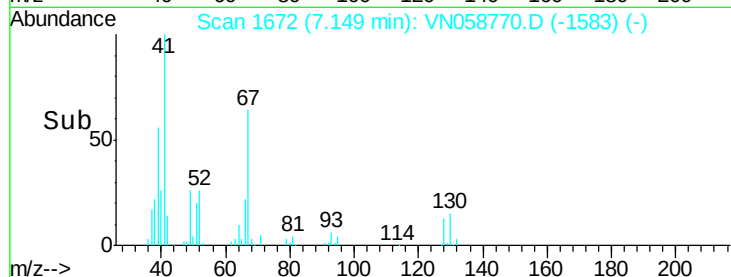
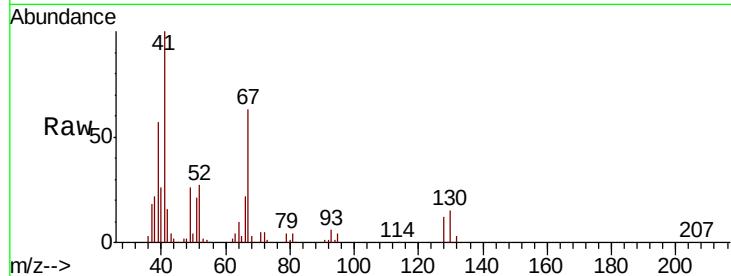
#41
Methacrylonitrile
Concen: 47.111 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

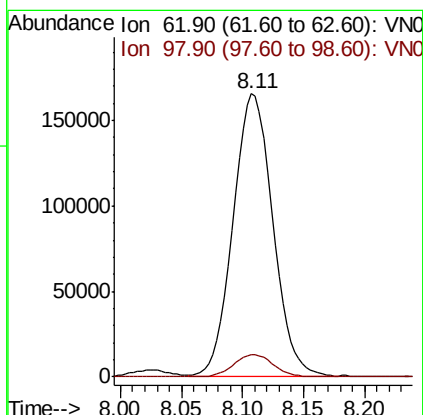
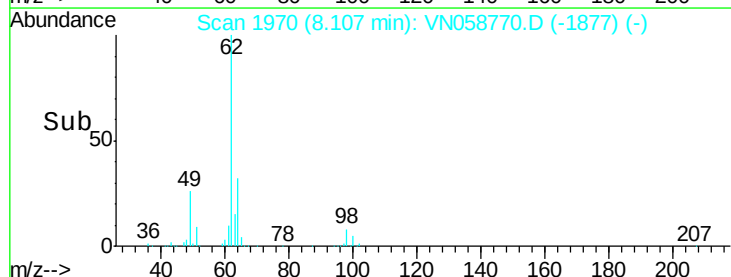
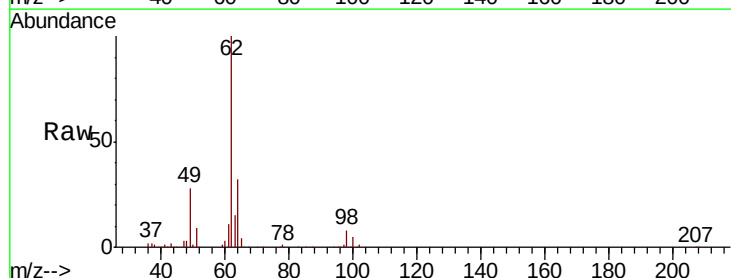
Manual Integrations
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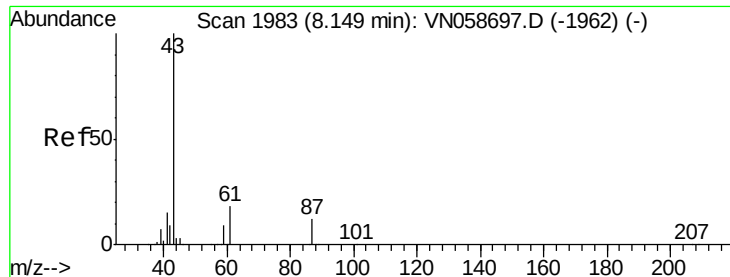
MMDadoda
10/16/2019 12:57:22 AM



#42
1,2-Dichloroethane
Concen: 51.492 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 52.690 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

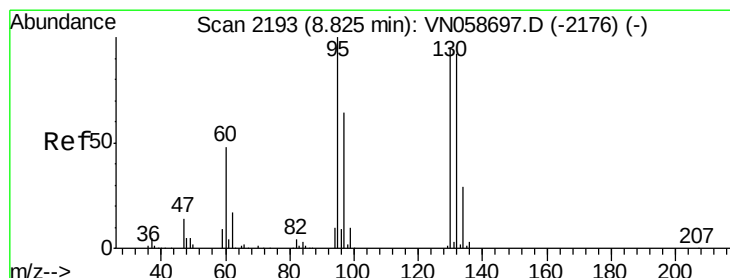
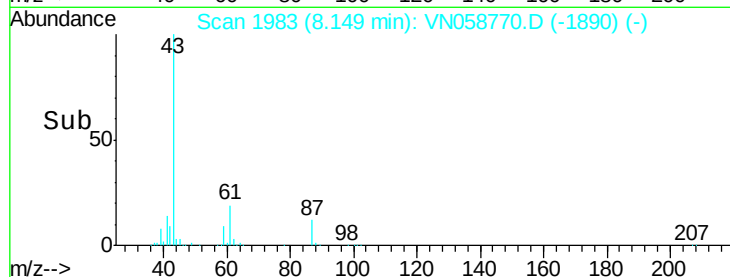
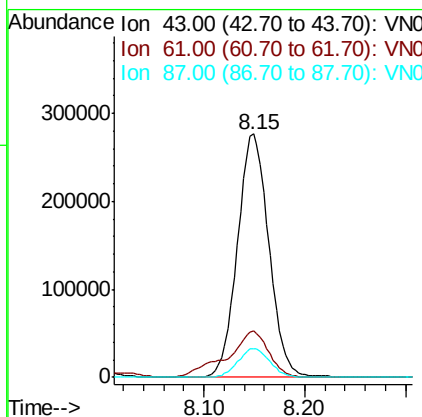
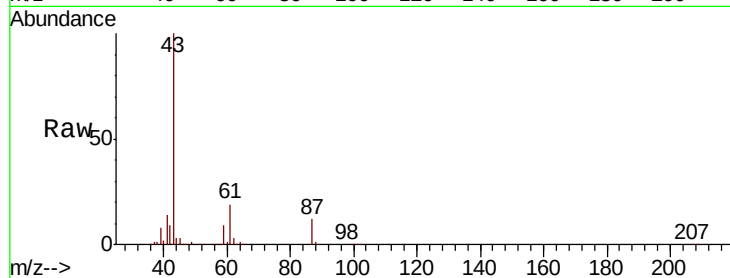
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	595092
Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.3	30.5
87	11.9	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 51.248 ug/l

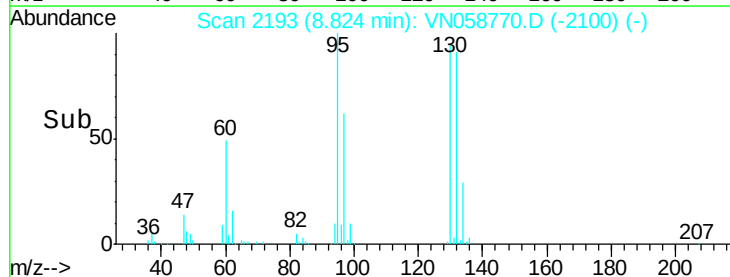
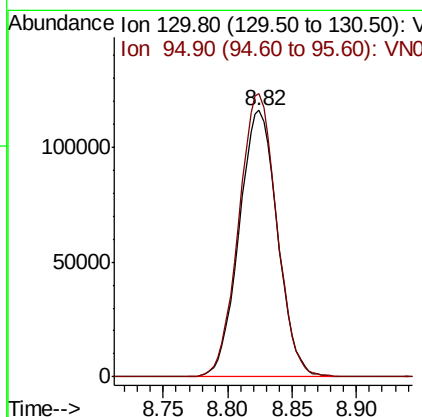
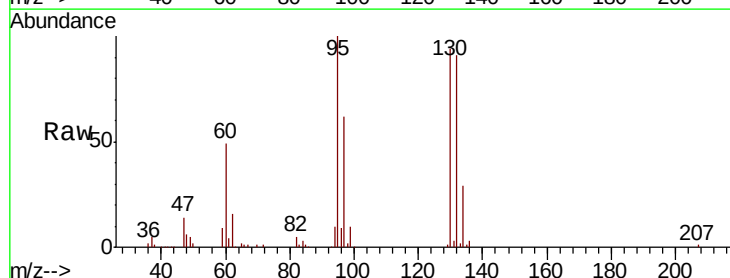
RT: 8.82 min Scan# 2193

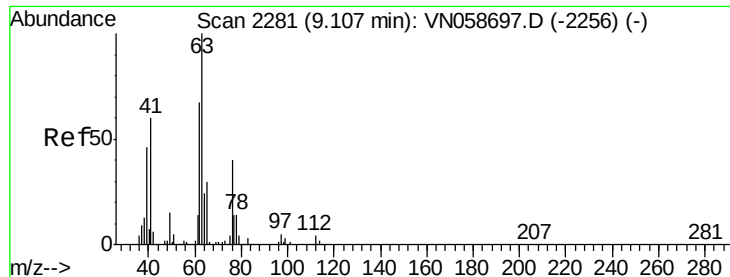
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	130	Resp:	239605
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.2





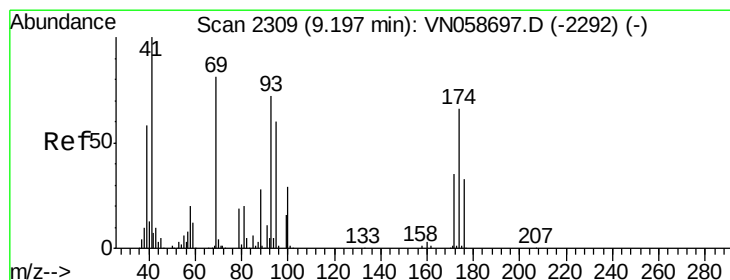
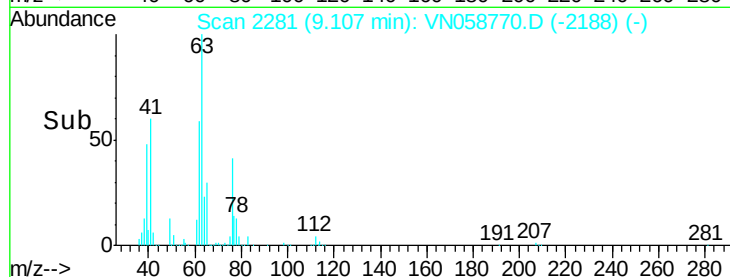
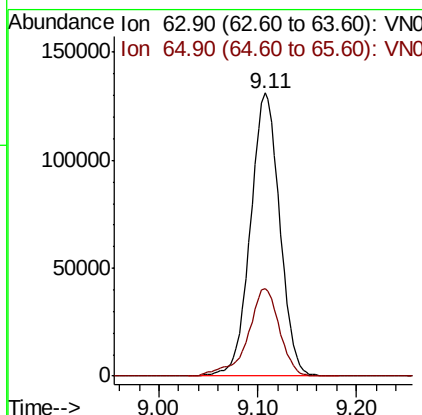
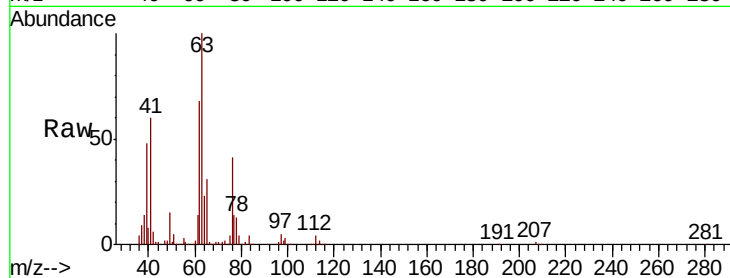
#45
 1,2-Dichloropropane
 Concen: 53.163 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.1	36.1

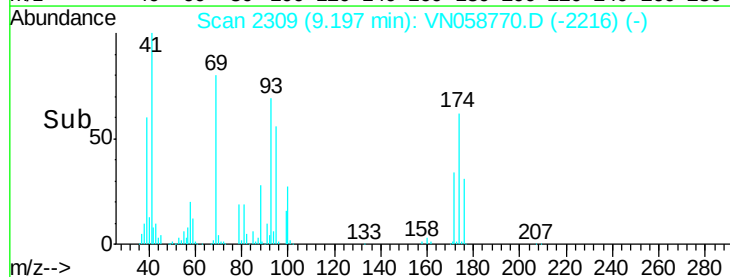
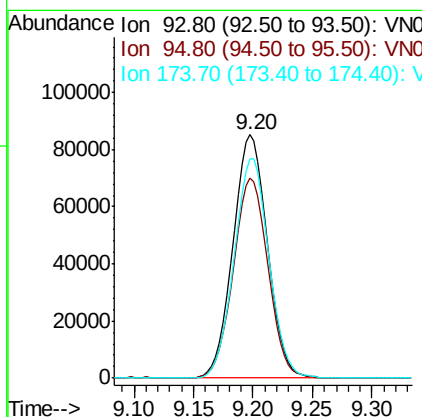
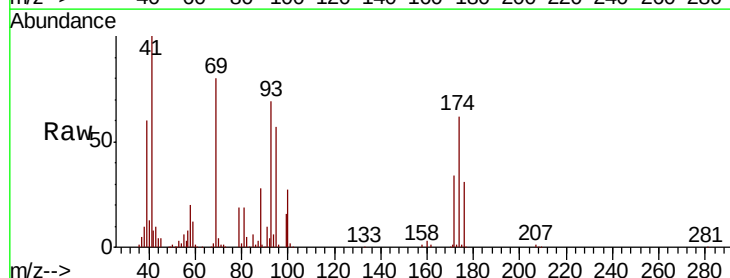
Manual Integrations
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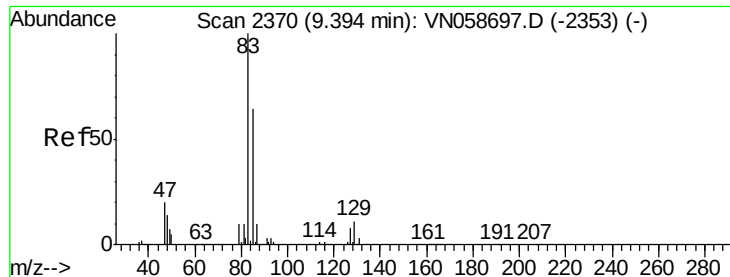
MMDadoda
 10/16/2019 12:57:22 AM



#46
 Dibromomethane
 Concen: 53.599 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.6	100.0
174	91.3	75.2	112.8





#47

Bromodichloromethane

Concen: 54.023 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

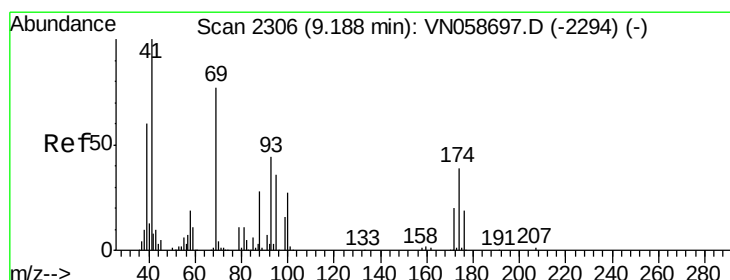
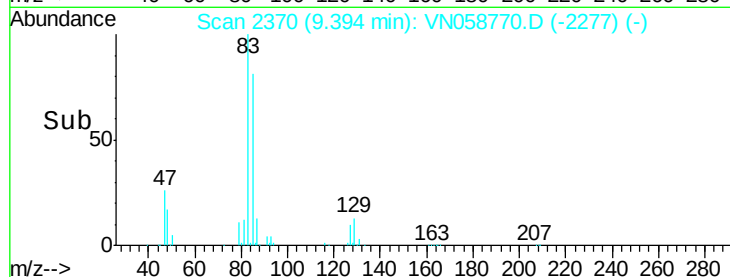
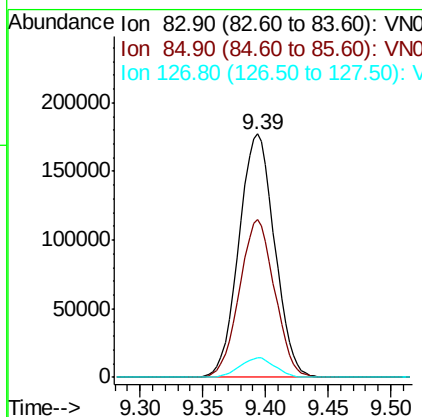
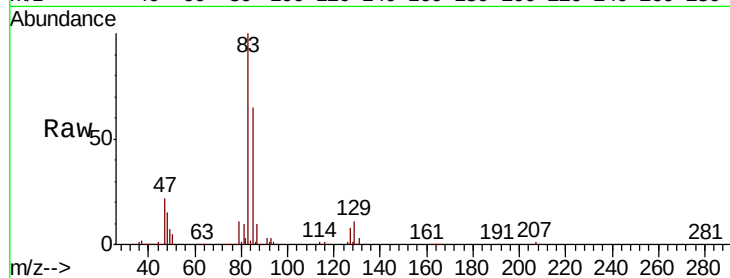
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	351532
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3
127	7.9	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.791 ug/l

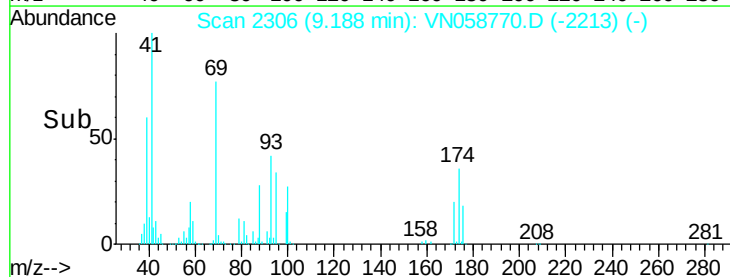
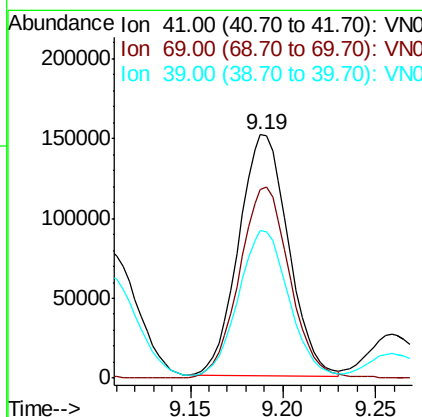
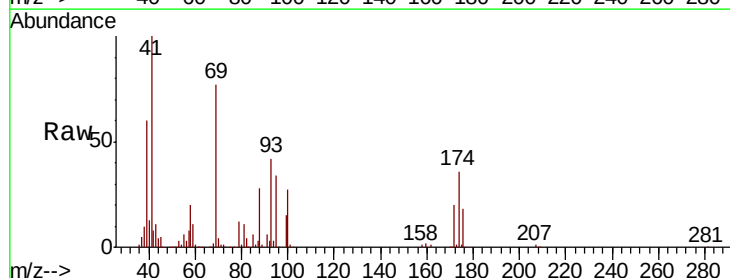
RT: 9.19 min Scan# 2306

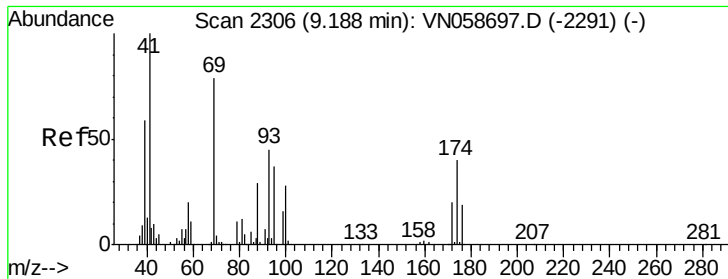
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	41	Resp:	280505
Ion	Ratio	Lower	Upper
41	100		
69	80.3	63.4	95.2
39	62.4	48.9	73.3





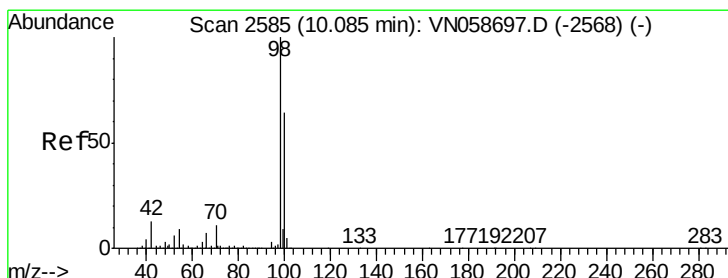
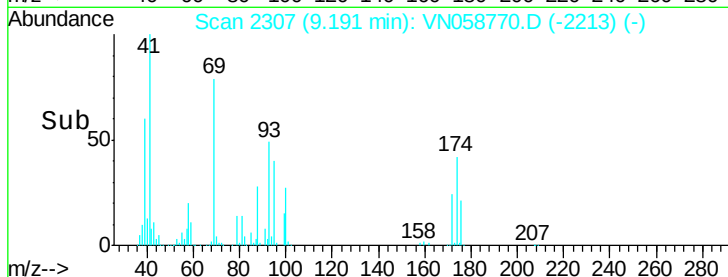
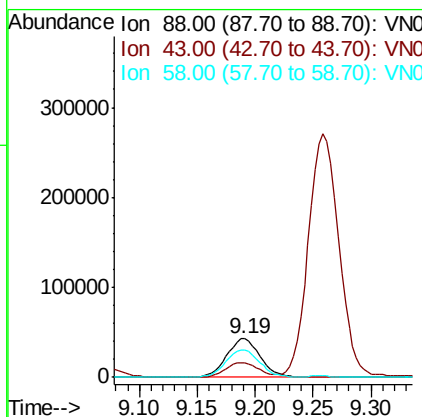
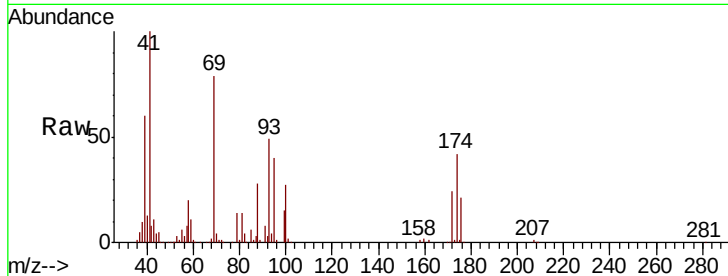
#49
1,4-Dioxane
Concen: 1098.334 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	43.0
58	72.0	57.2	85.8

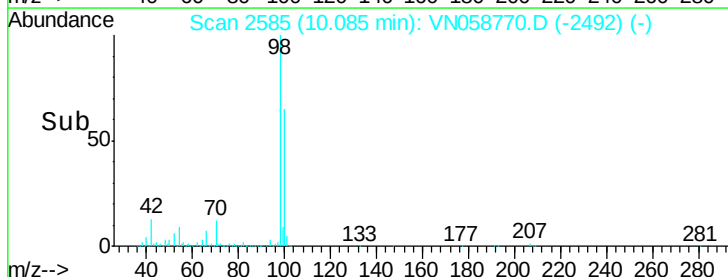
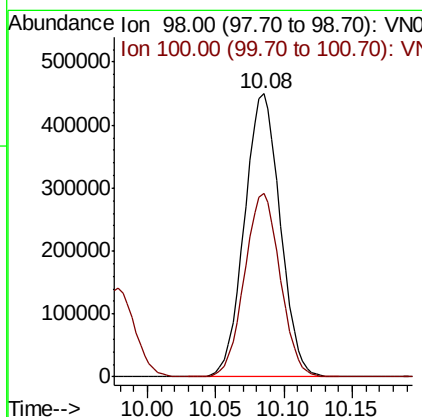
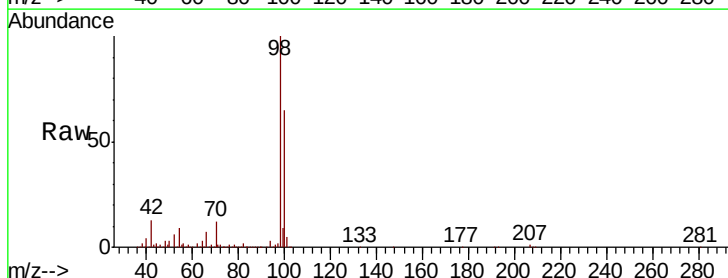
Manual Integrations
APPROVED

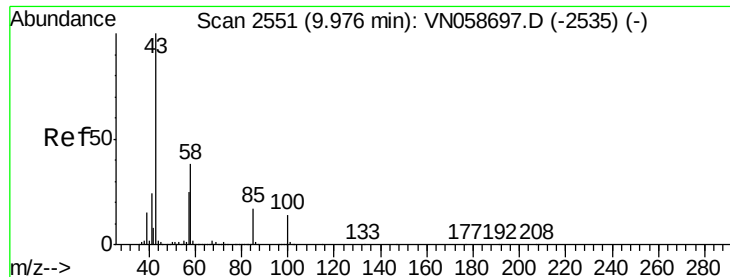
MMDadoda
10/16/2019 12:57:22 AM



#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 298.212 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1891539

Ion Ratio Lower Upper

43 100

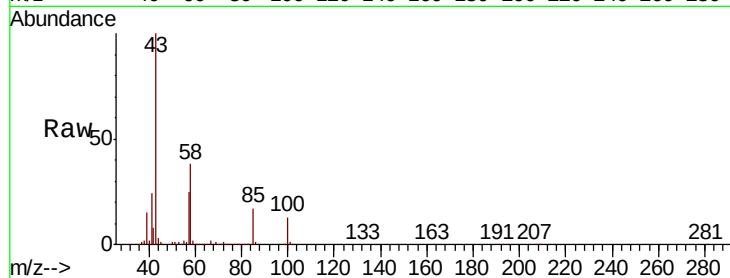
58 37.5 30.3 45.5

Manual Integrations

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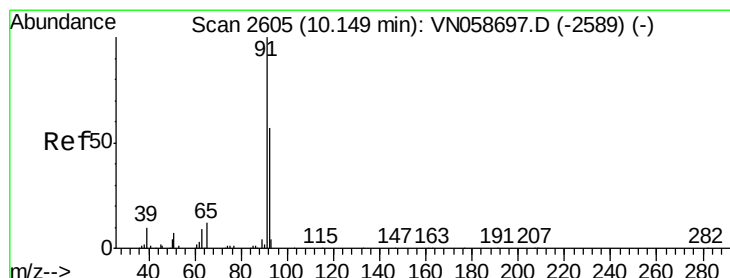
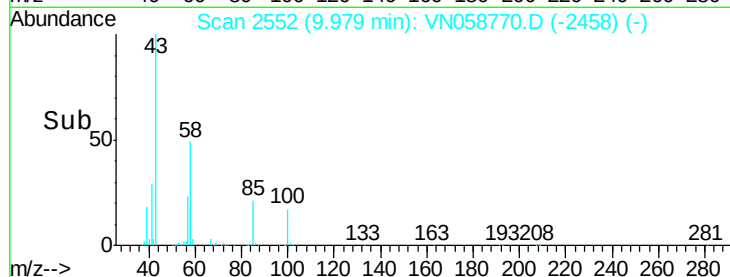
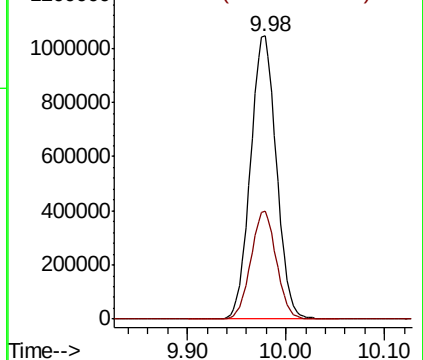
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.149 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058770.D

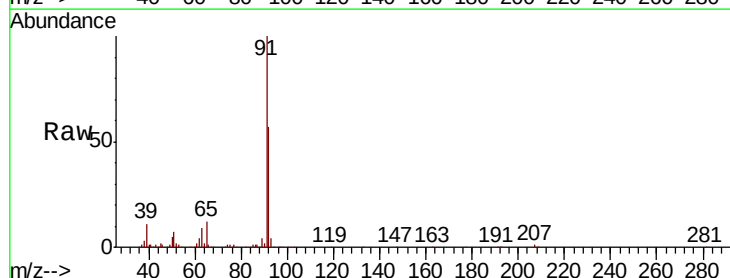
Acq: 14 Oct 2019 23:33

Tgt Ion: 92 Resp: 600508

Ion Ratio Lower Upper

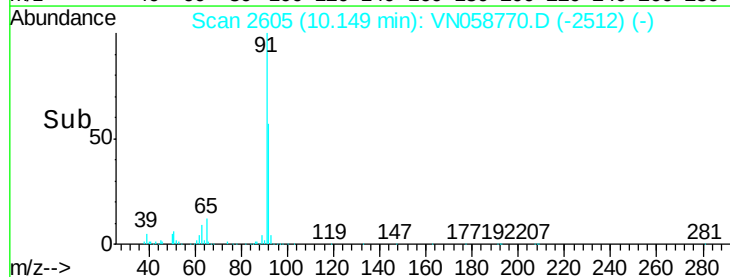
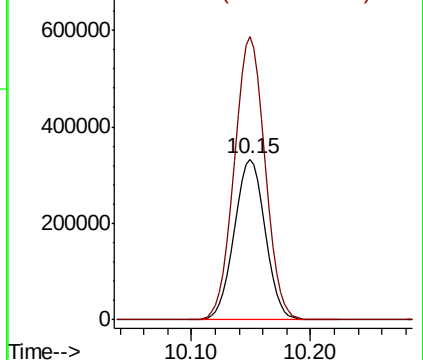
92 100

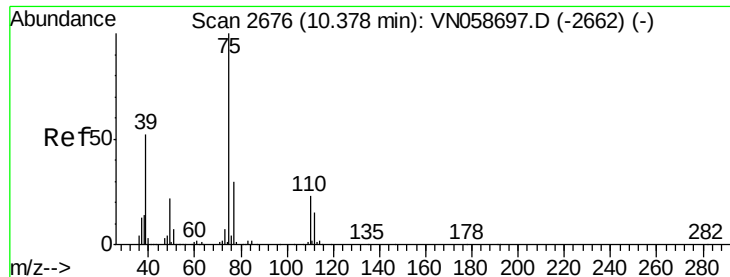
91 174.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





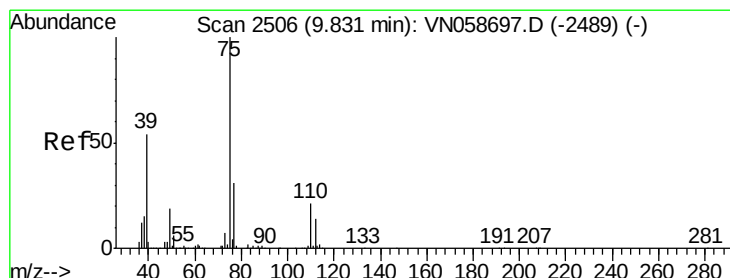
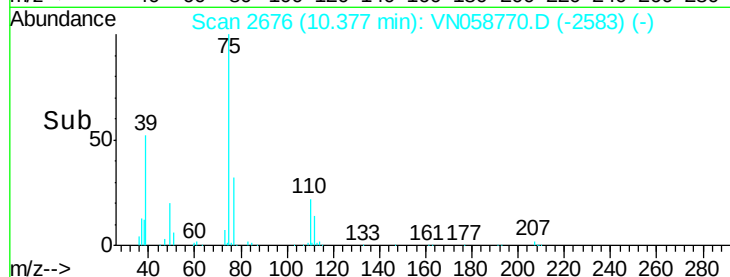
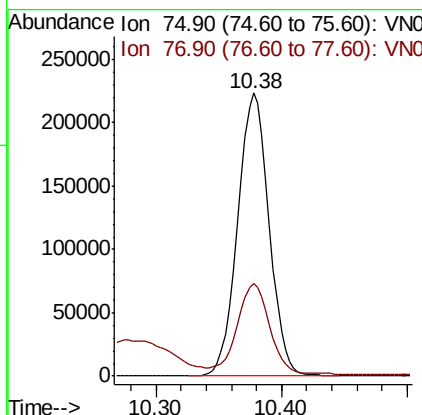
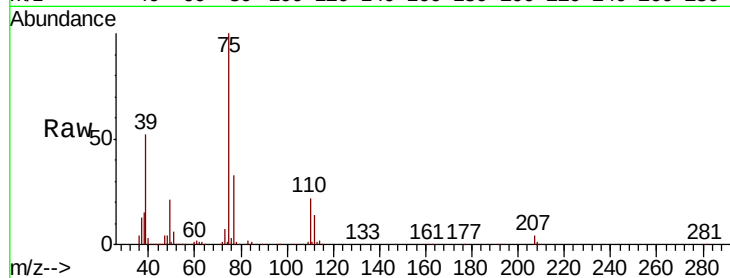
#53
t-1,3-Dichloropropene
Concen: 51.777 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.4

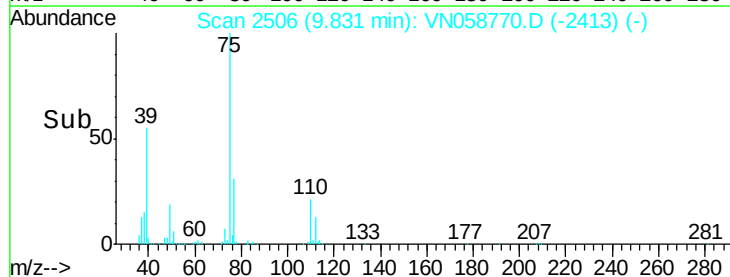
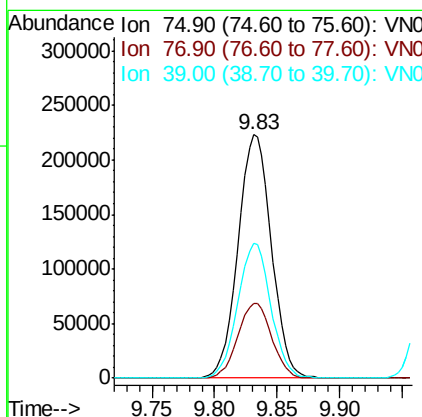
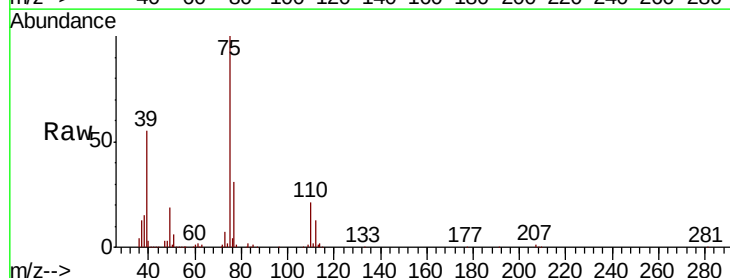
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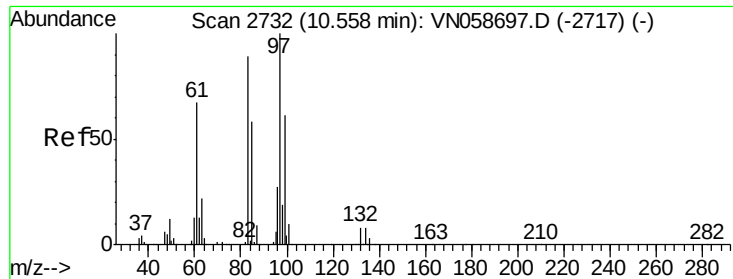
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.959 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	55.3	43.1	64.7





#55

1,1,2-Trichloroethane

Concen: 50.792 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

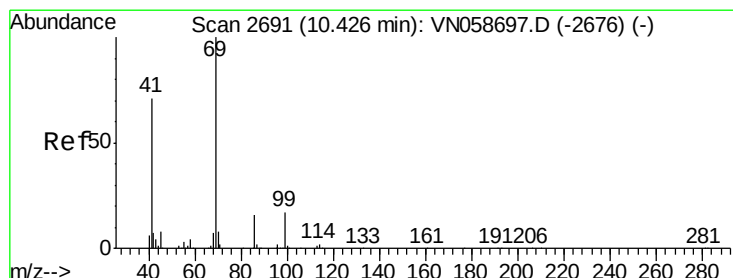
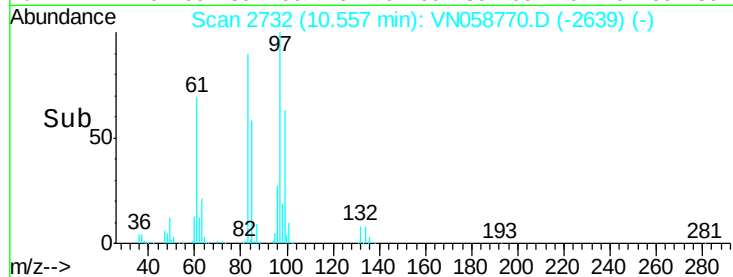
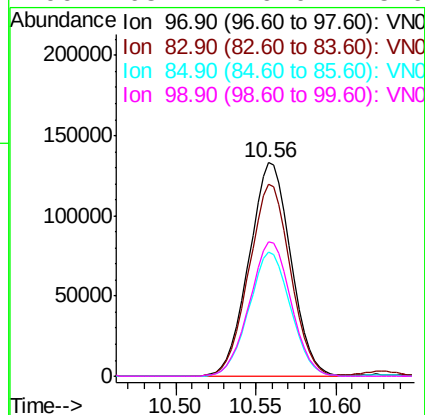
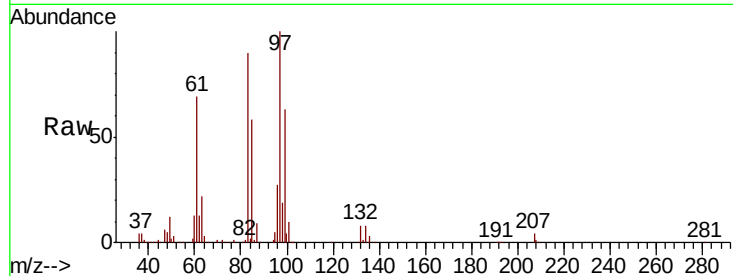
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	239385
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.2	106.8
85	58.4	46.7	70.1
99	63.1	49.0	73.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.834 ug/l

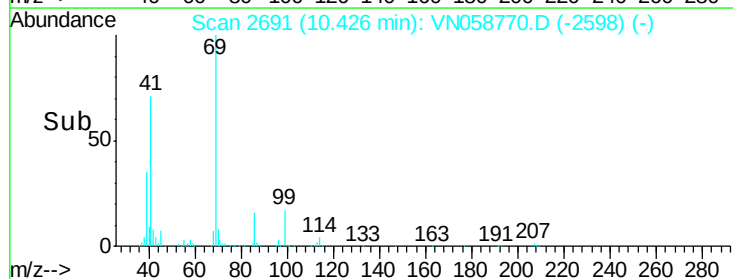
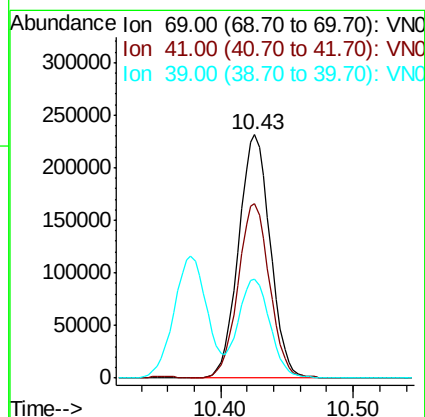
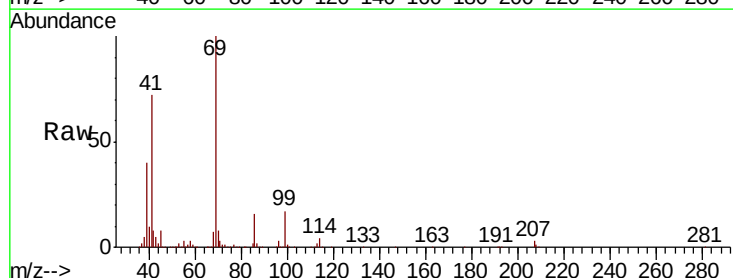
RT: 10.43 min Scan# 2691

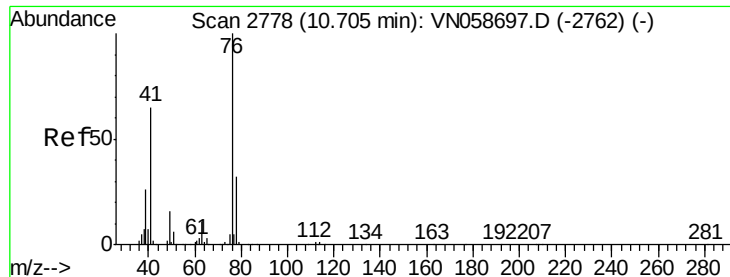
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	69	Resp:	384443
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.8	85.2
39	40.1	32.5	48.7





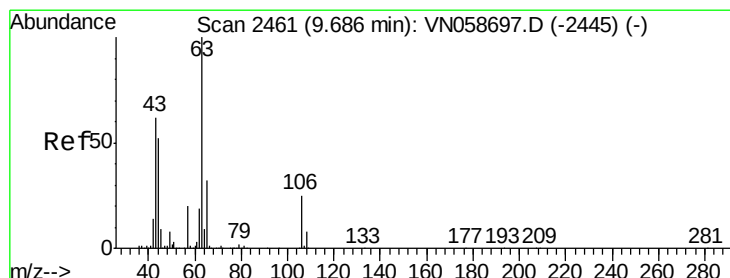
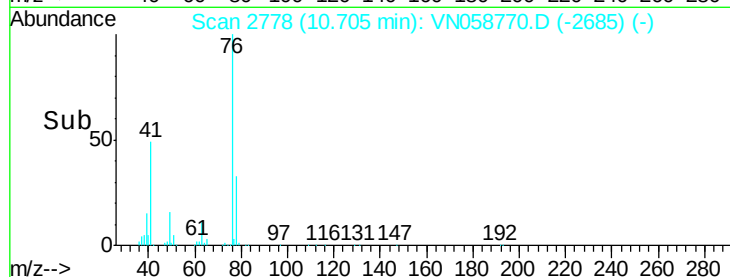
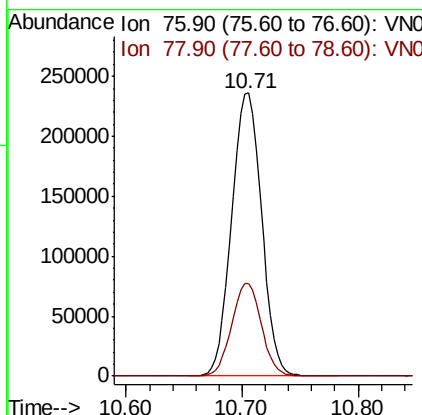
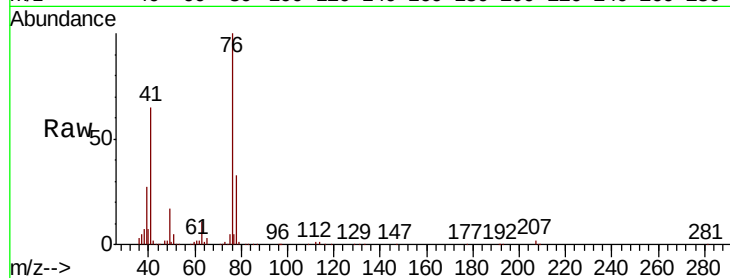
#57
 1,3-Dichloropropane
 Concen: 52.553 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

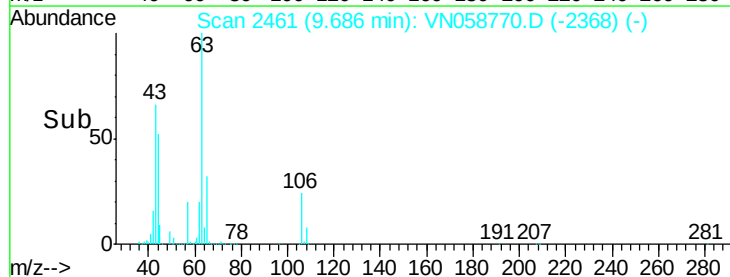
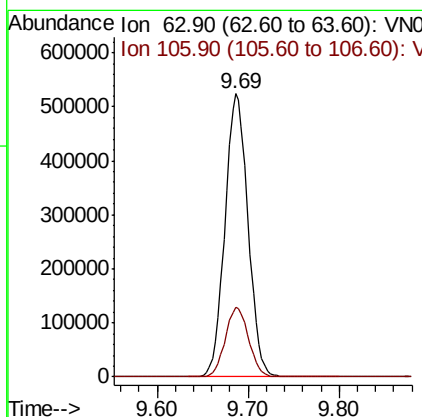
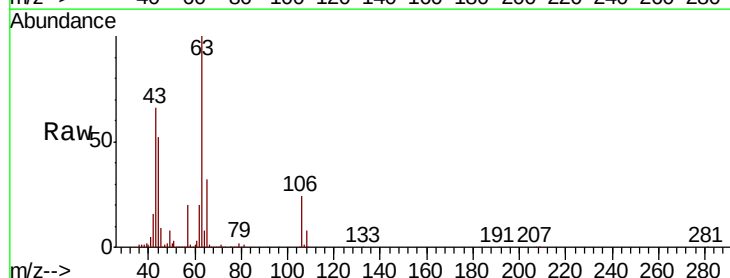
Manual Integrations
 APPROVED

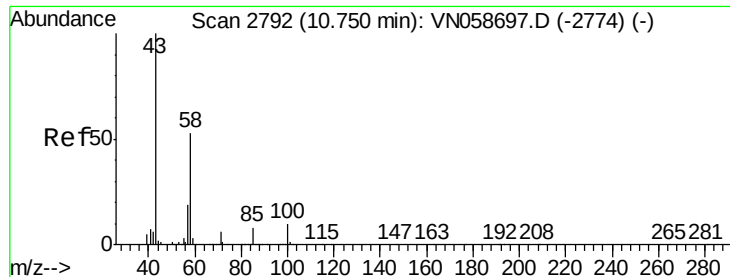
MMDadoda
 10/16/2019 12:57:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.436 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.0	30.0





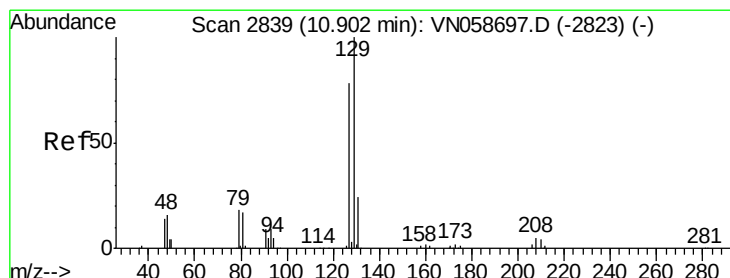
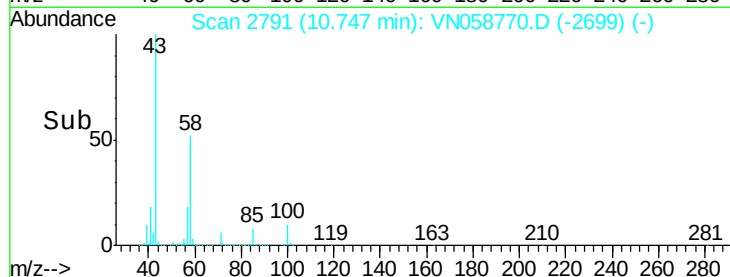
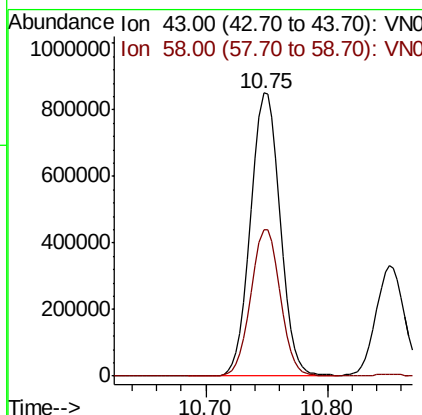
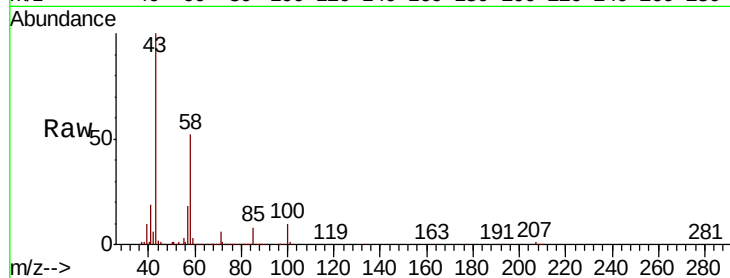
#59
2-Hexanone
Concen: 289.178 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1417503
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.3

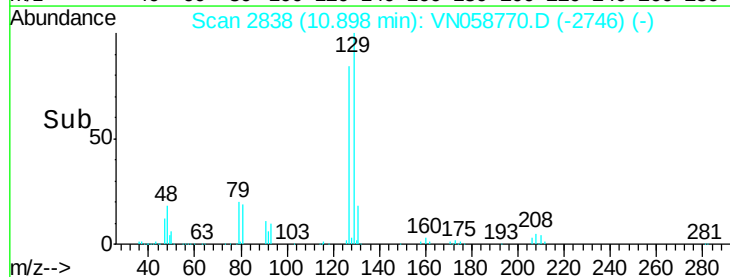
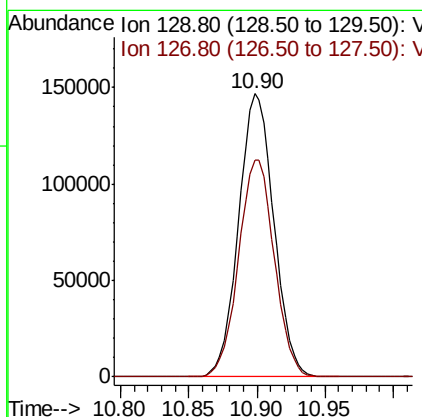
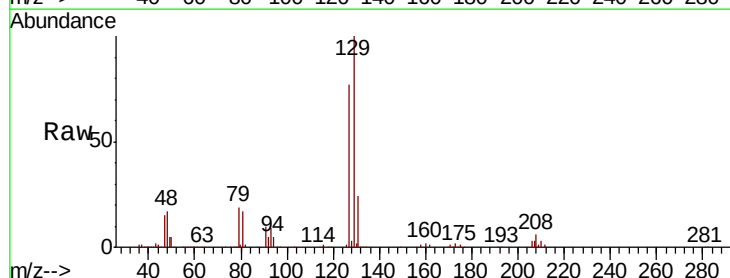
Manual Integrations
APPROVED

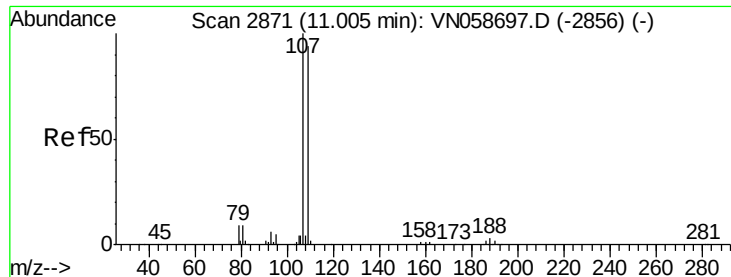
MMDadoda
10/16/2019 12:57:22 AM



#60
Dibromochloromethane
Concen: 54.128 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion: 129 Resp: 263162
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





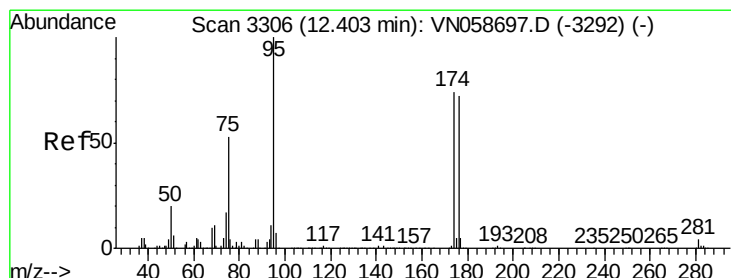
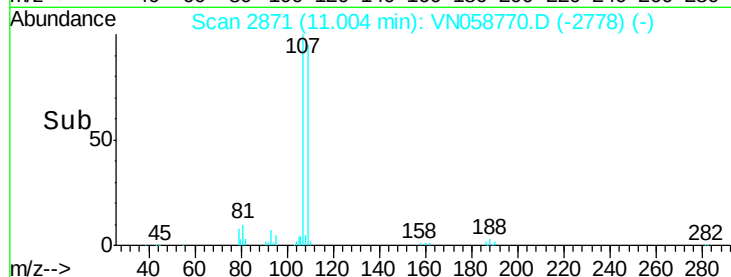
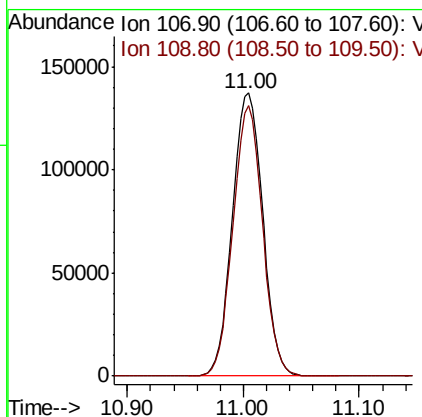
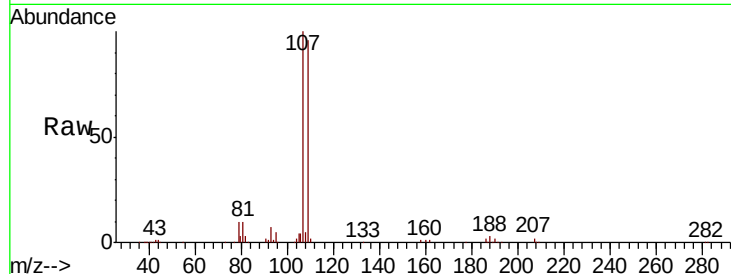
#61
 1,2-Dibromoethane
 Concen: 52.799 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.0

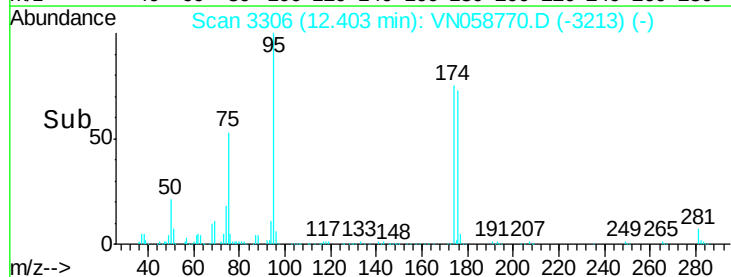
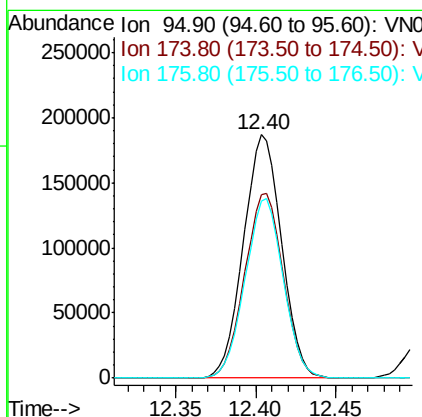
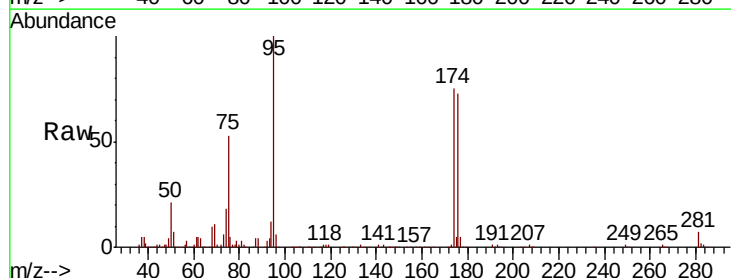
Manual Integrations
 APPROVED

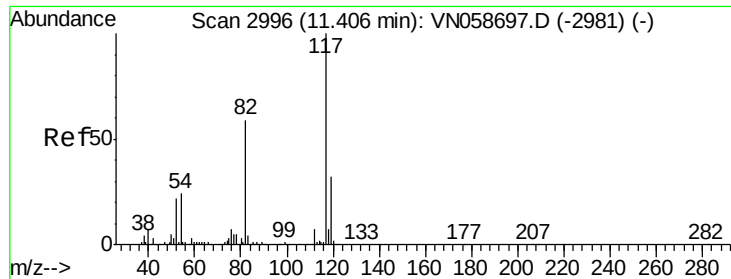
MMDadoda
 10/16/2019 12:57:22 AM



#62
 4-Bromofluorobenzene
 Concen: 50.303 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	150.4
176	73.9	0.0	146.8





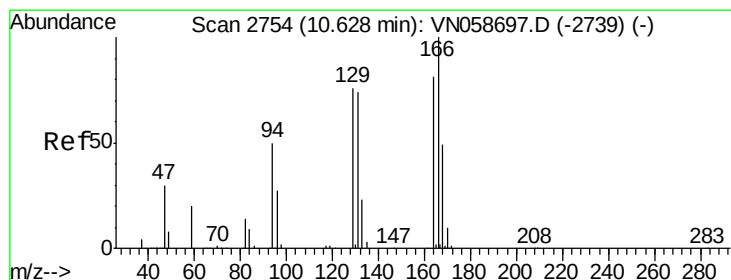
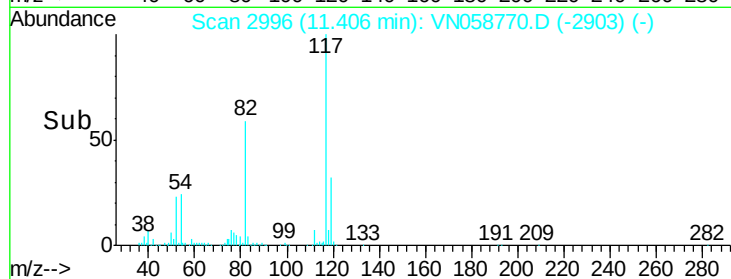
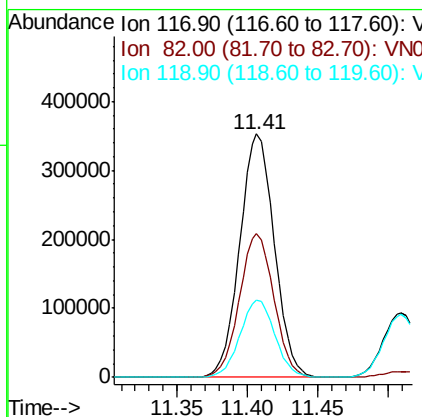
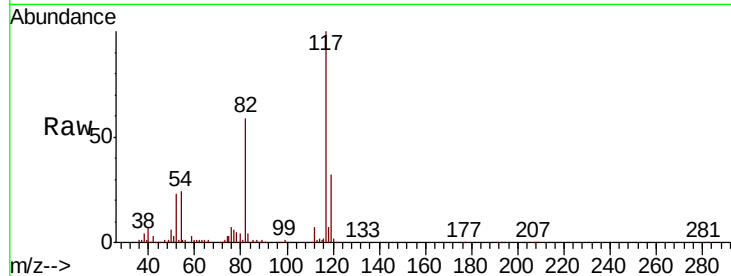
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	606592		
82	58.8		47.0	70.4
119	31.9		25.4	38.2

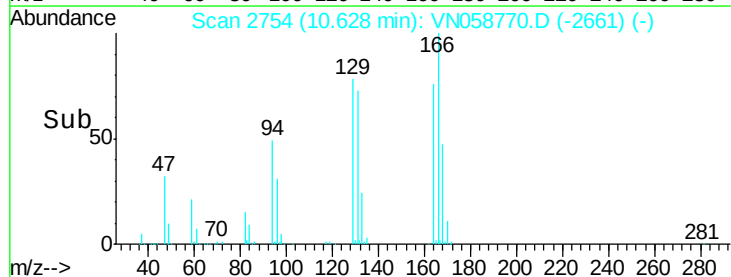
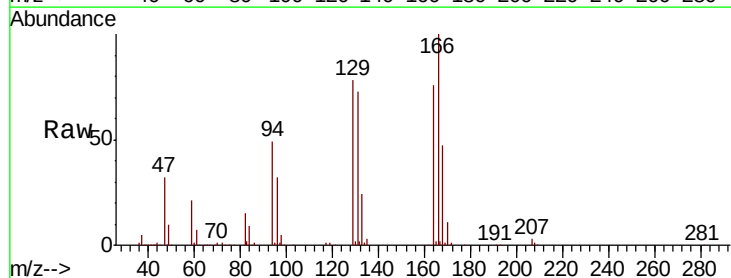
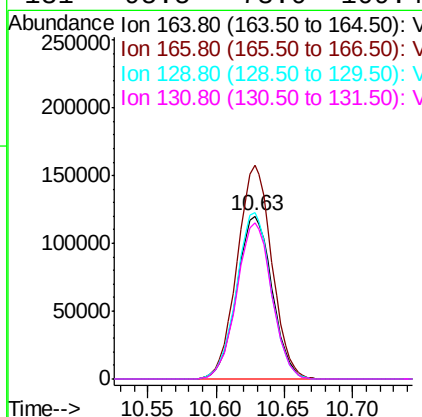
Manual Integrations
APPROVED

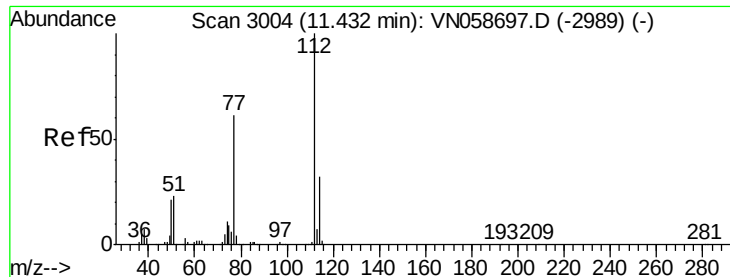
MMDadoda
10/16/2019 12:57:22 AM



#64
Tetrachloroethene
Concen: 50.801 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	215655		
166	131.1		99.3	148.9
129	102.2		75.2	112.8
131	95.5		73.0	109.4





#65

Chlorobenzene

Concen: 51.360 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 632683

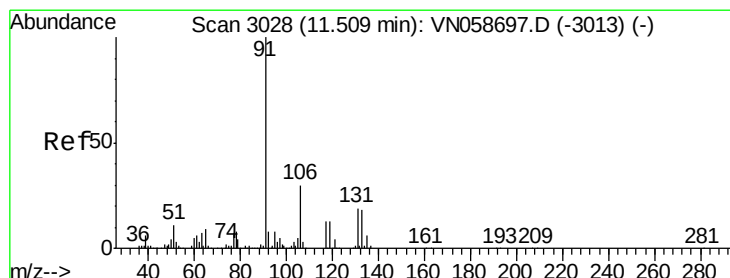
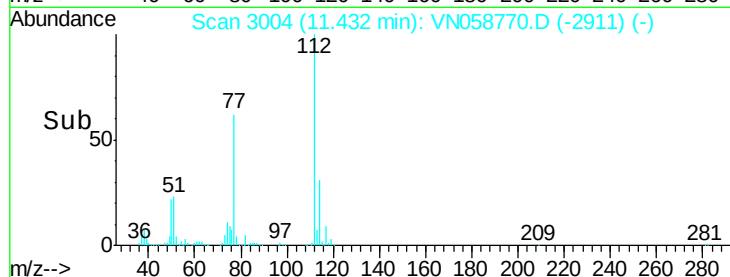
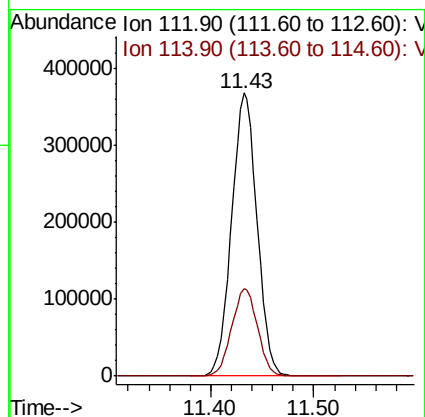
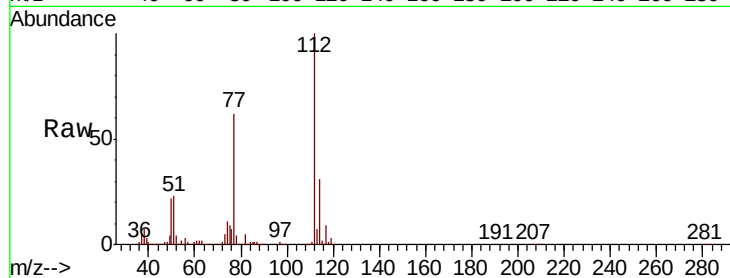
Ion Ratio Lower Upper

112 100

114 30.8 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.125 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

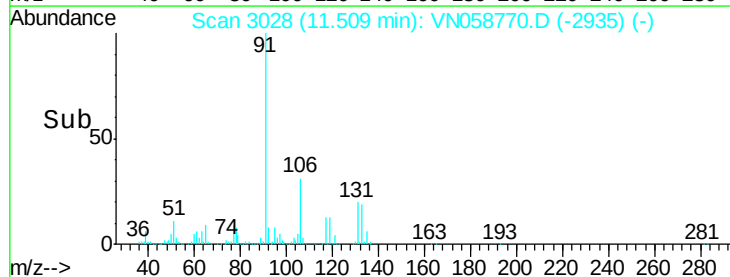
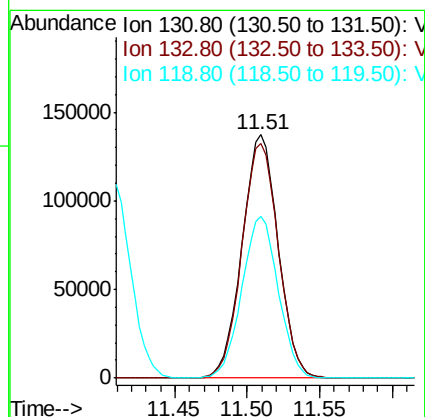
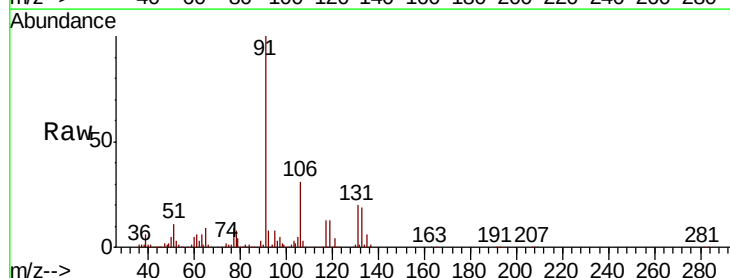
Tgt Ion:131 Resp: 237437

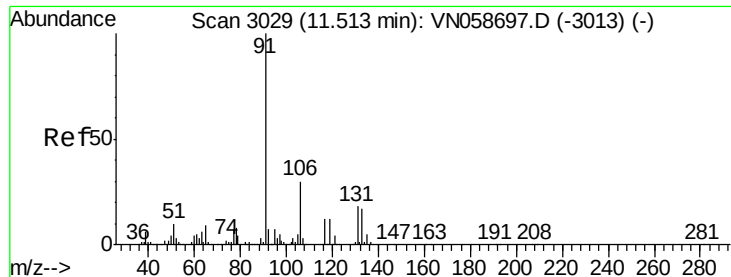
Ion Ratio Lower Upper

131 100

133 97.5 47.6 142.9

119 67.1 33.0 98.9





#67

Ethyl Benzene

Concen: 53.907 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1183729

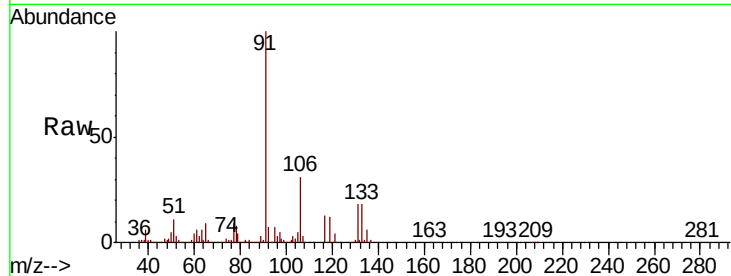
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

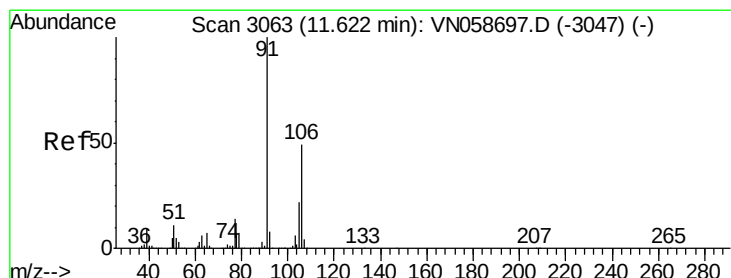
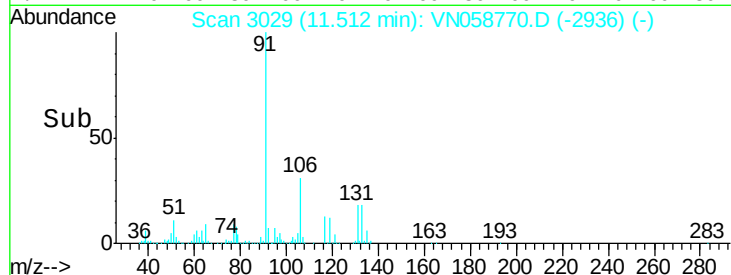
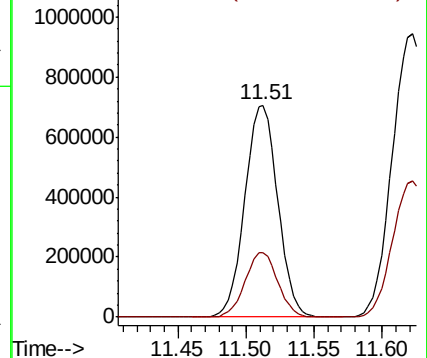
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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 106.267 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058770.D

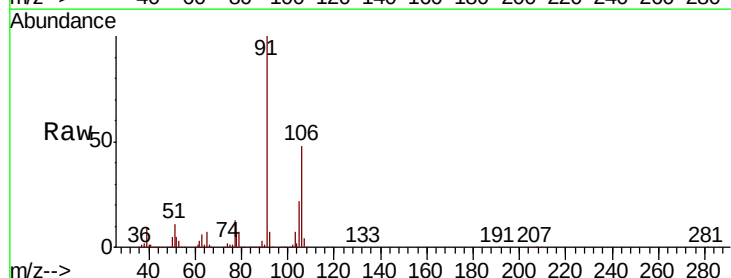
Acq: 14 Oct 2019 23:33

Tgt Ion: 106 Resp: 875703

Ion Ratio Lower Upper

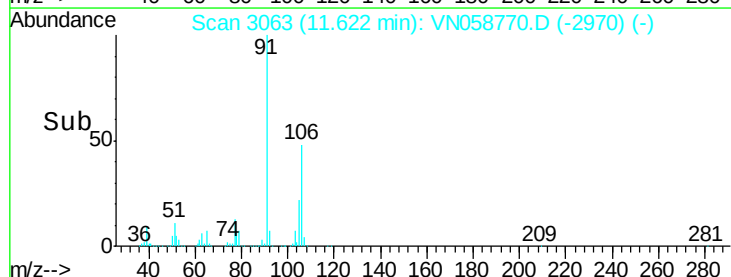
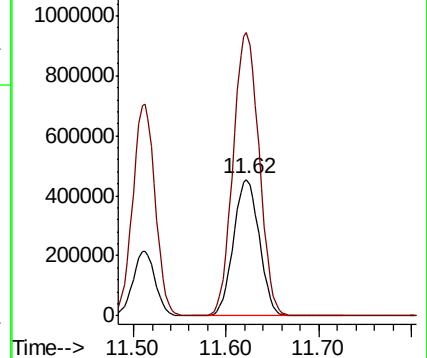
106 100

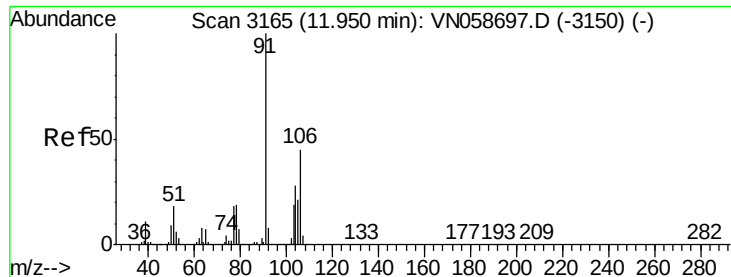
91 209.4 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-3047) (-)





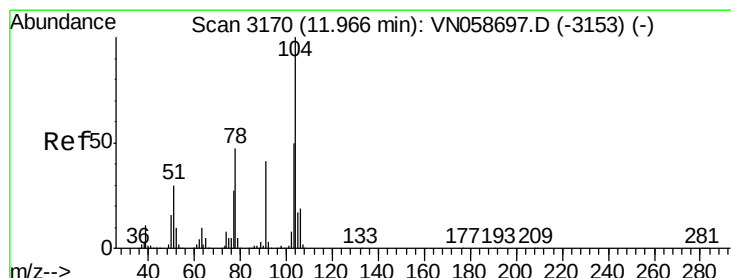
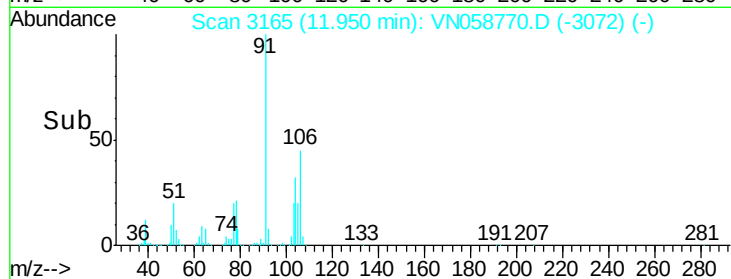
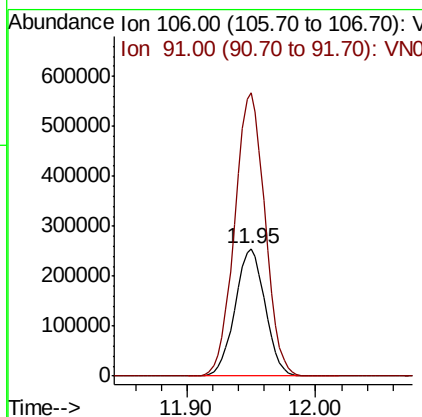
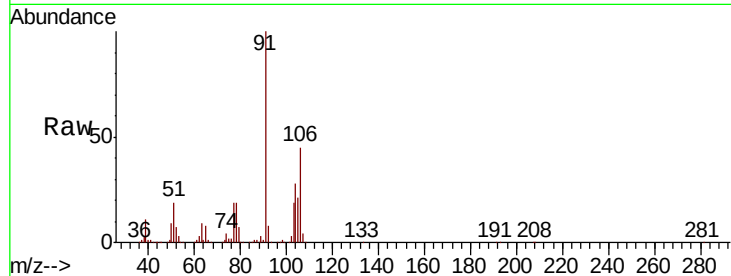
#69
o-Xylene
Concen: 51.930 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	414035		
91	91	223.2	110.9	332.9	

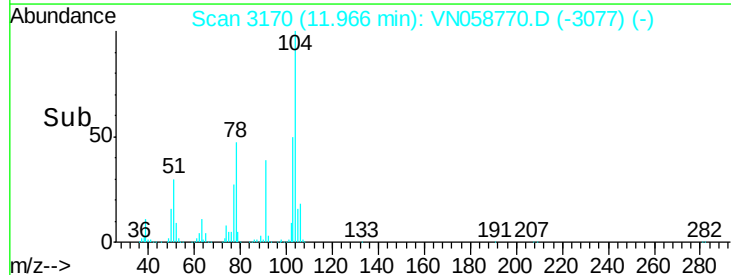
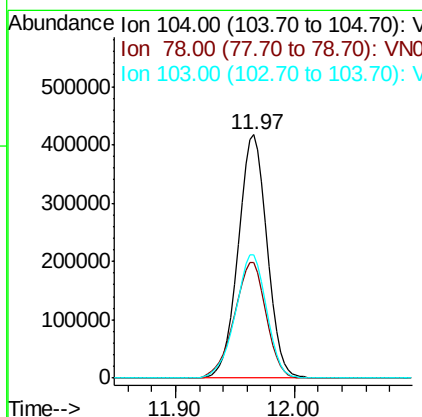
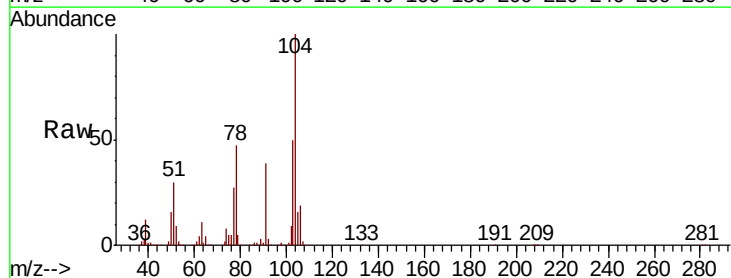
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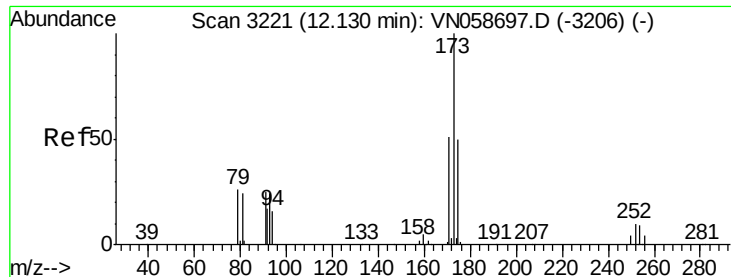
MMDadoda
10/16/2019 12:57:22 AM



#70
Styrene
Concen: 53.647 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	701037		
78	78	52.5	42.2	63.2	
103	103	55.0	43.7	65.5	





#71

Bromoform

Concen: 56.169 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

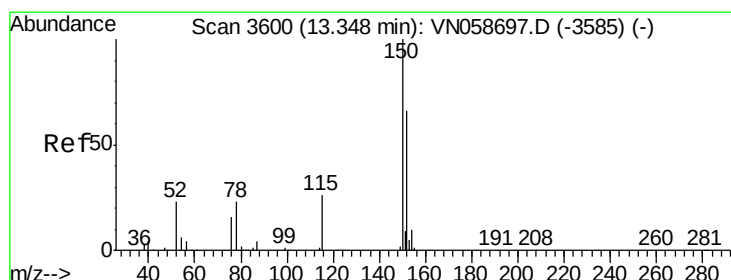
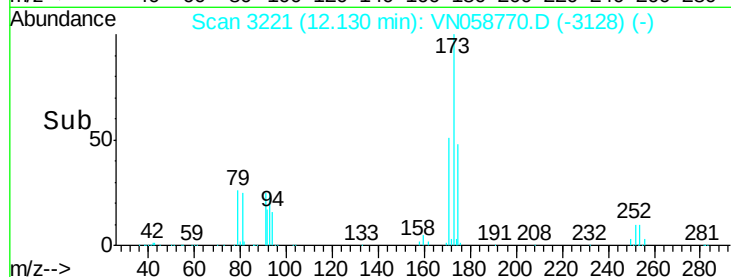
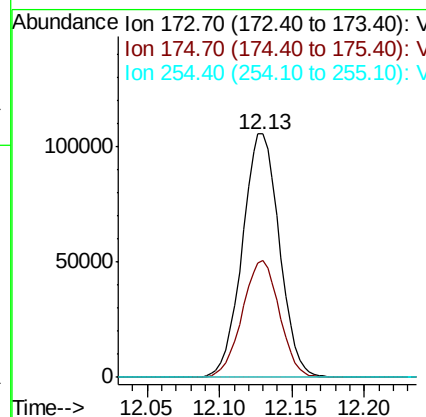
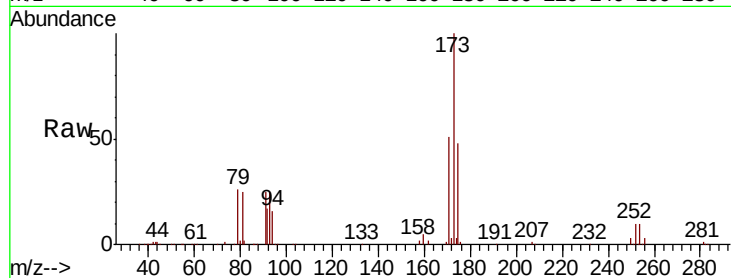
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.1	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

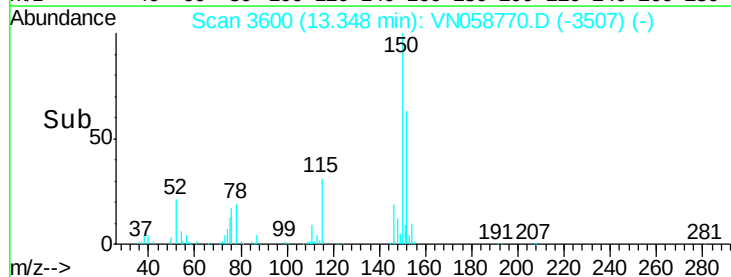
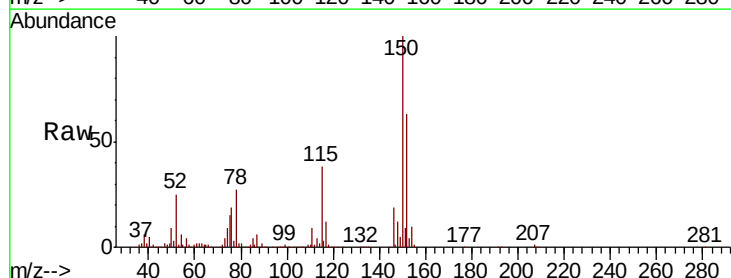
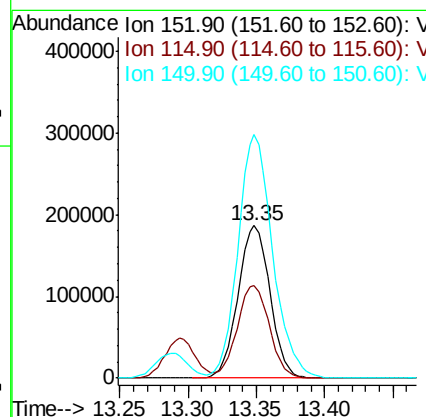
RT: 13.35 min Scan# 3600

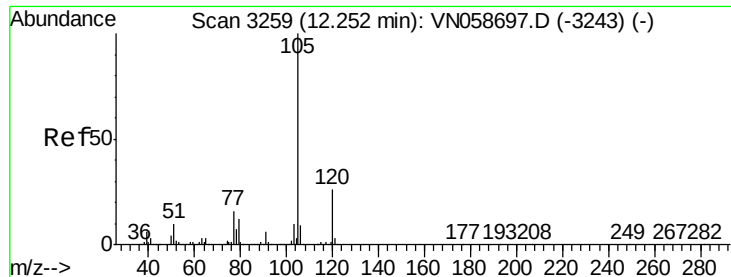
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.4	91.2
150	172.1	0.0	345.4





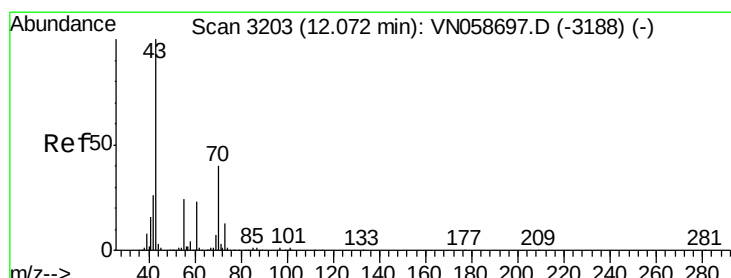
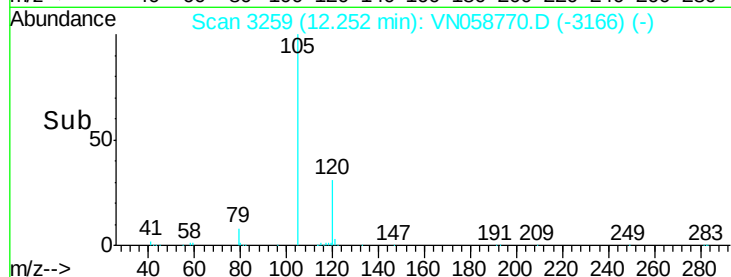
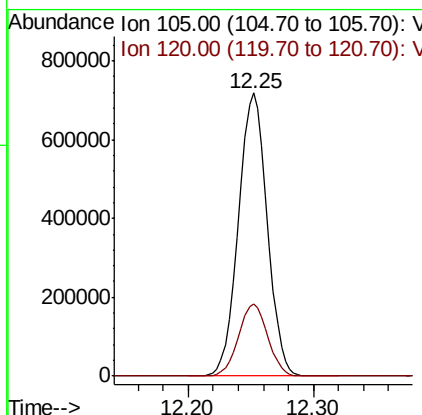
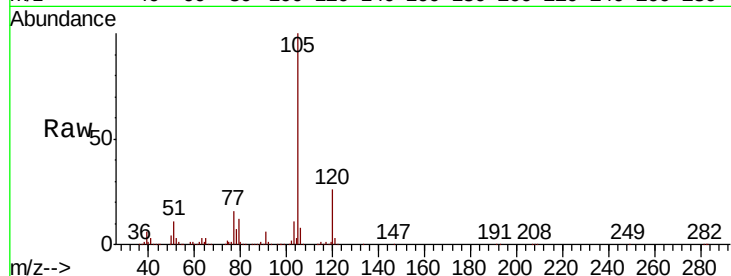
#73
Isopropylbenzene
Concen: 51.860 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1145209
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.1

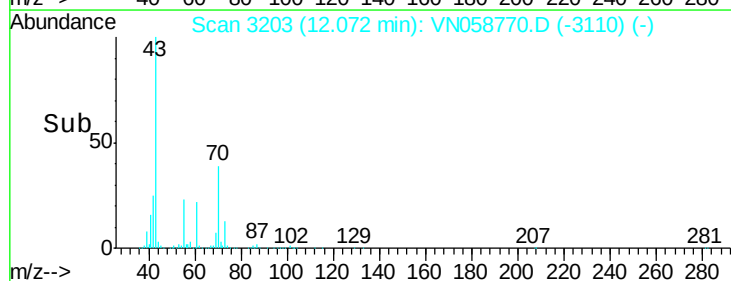
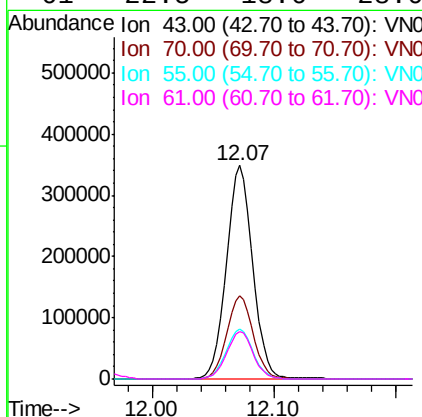
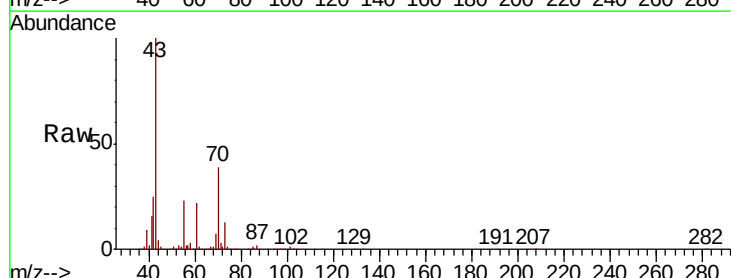
Manual Integrations
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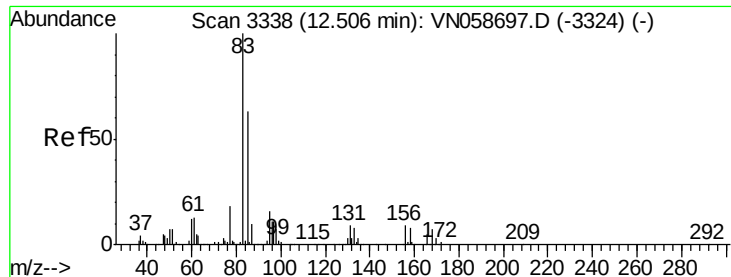
MMDadoda
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#74
N-ethyl acetate
Concen: 52.945 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion: 43 Resp: 525124
Ion Ratio Lower Upper
43 100
70 39.3 32.2 48.4
55 24.1 19.6 29.4
61 22.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.206 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

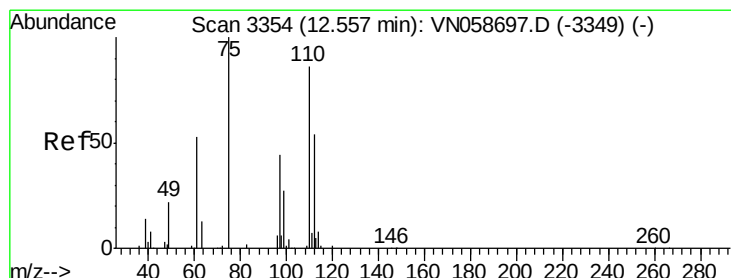
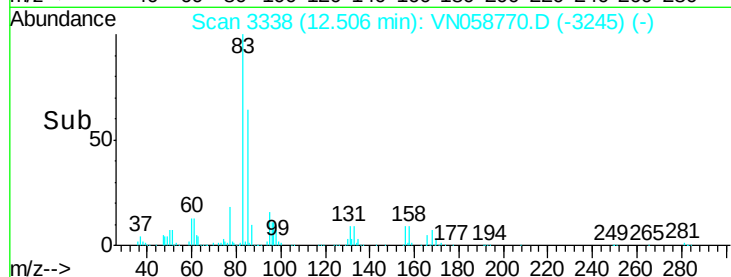
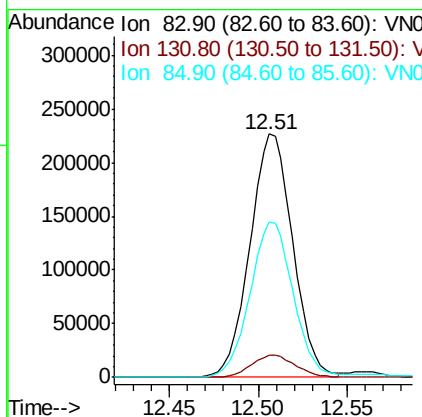
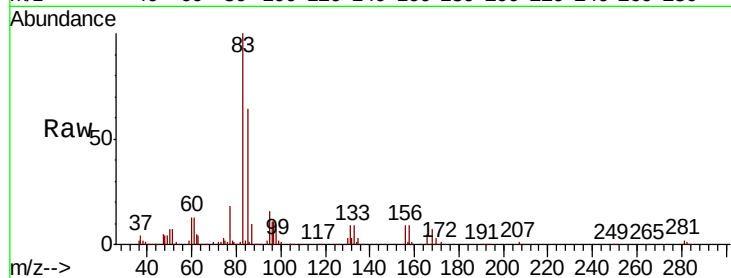
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	379788
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.4
85	64.0	31.9	95.5

Manual Integrations
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10/16/2019 12:57:22 AM



#76

1,2,3-Trichloropropane

Concen: 50.807 ug/l m

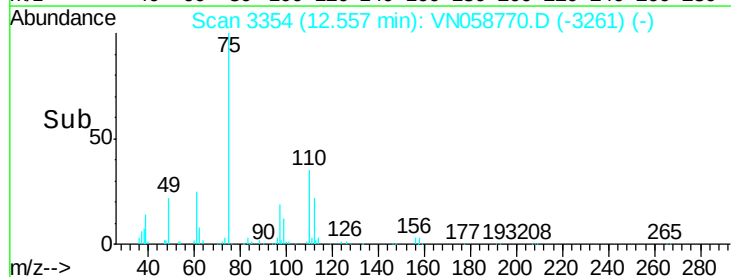
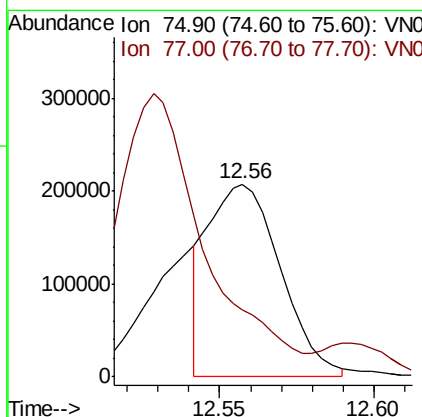
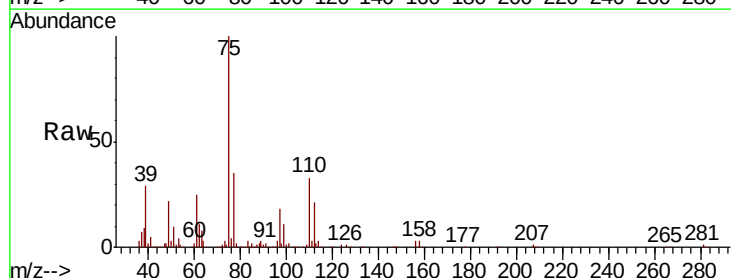
RT: 12.56 min Scan# 3354

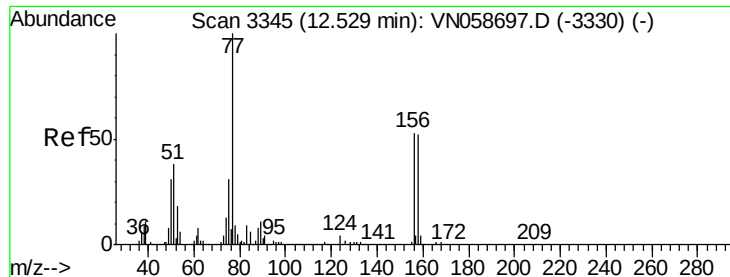
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	75	Resp:	339855
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.326 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 270318

Ion Ratio Lower Upper

156 100

77 229.7 115.8 347.3

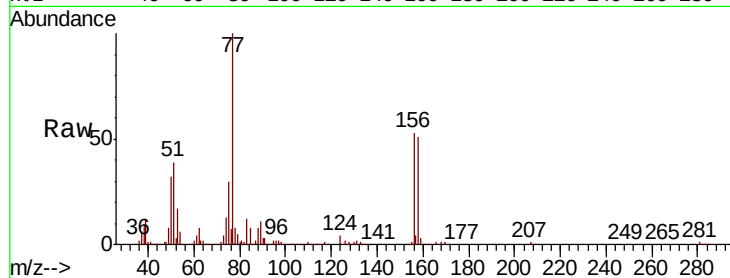
158 96.7 48.9 146.6

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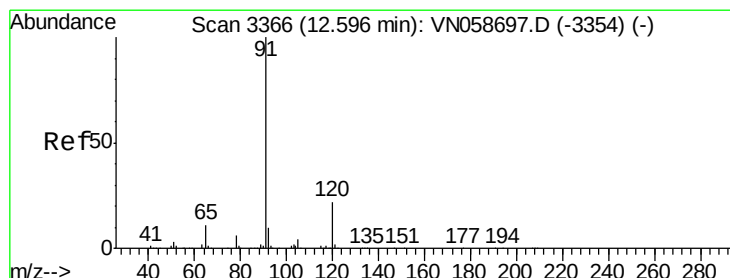
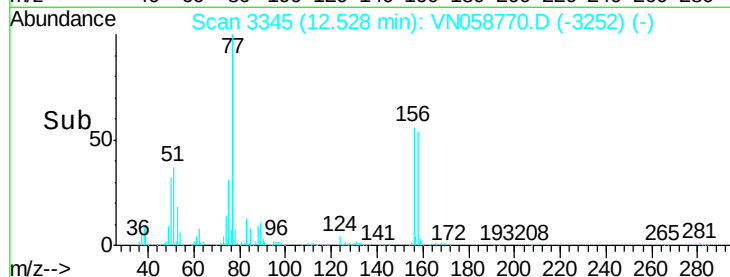
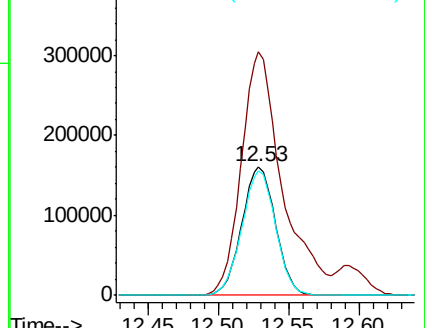
10/16/2019 12:57:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.188 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058770.D

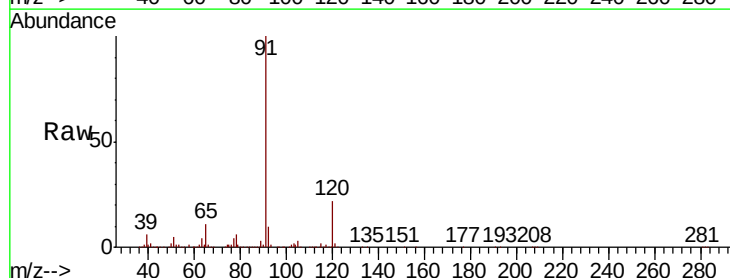
Acq: 14 Oct 2019 23:33

Tgt Ion: 91 Resp: 1368652

Ion Ratio Lower Upper

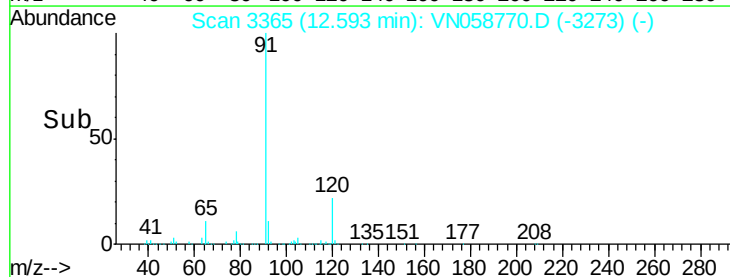
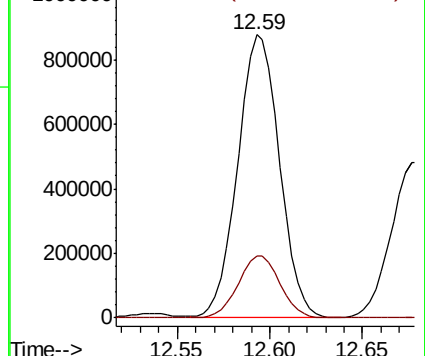
91 100

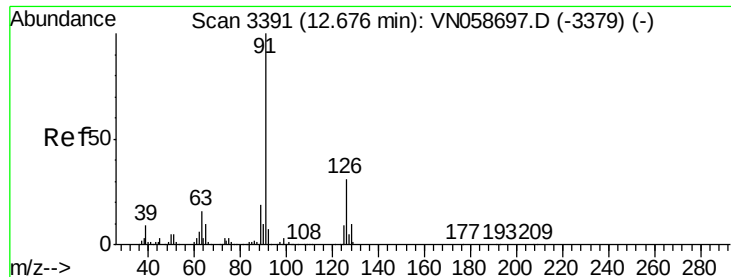
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





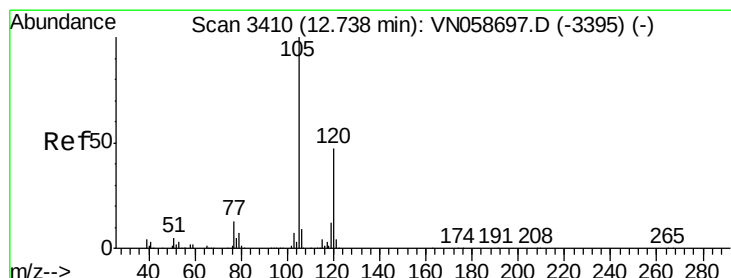
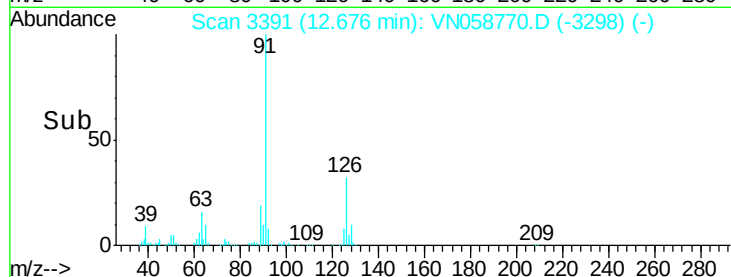
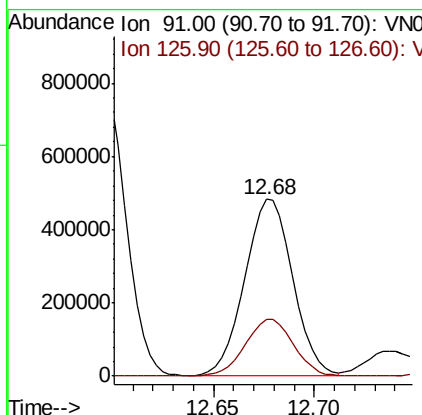
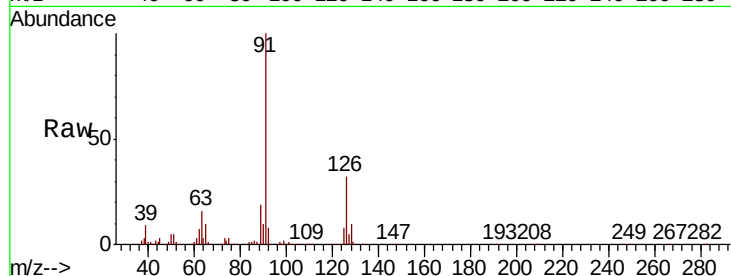
#79
 2-Chlorotoluene
 Concen: 50.240 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 802396
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.5

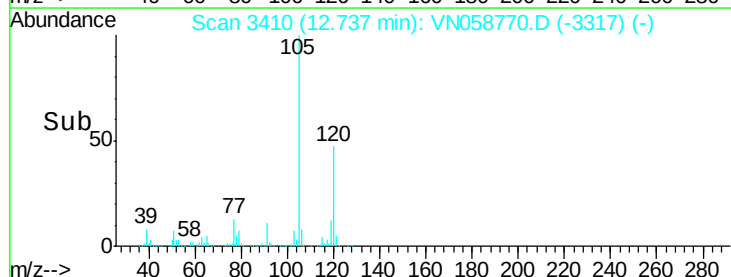
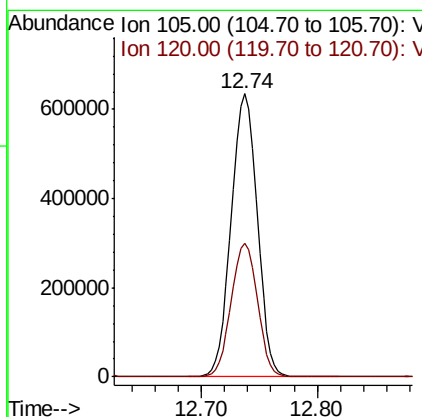
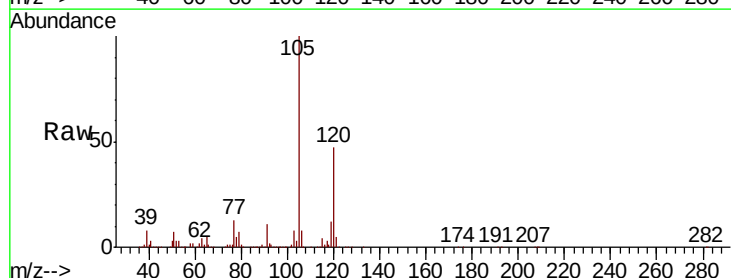
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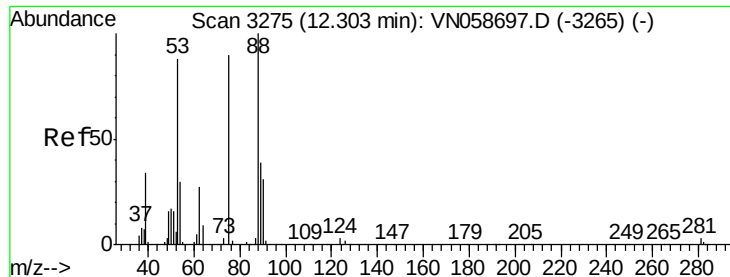
MMDadoda
 10/16/2019 12:57:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.423 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion: 105 Resp: 988327
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.008 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 124879

Ion Ratio Lower Upper

75 100

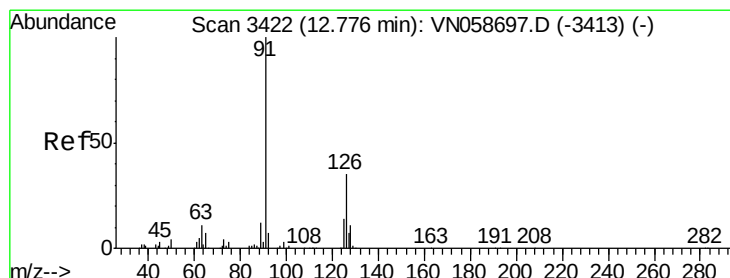
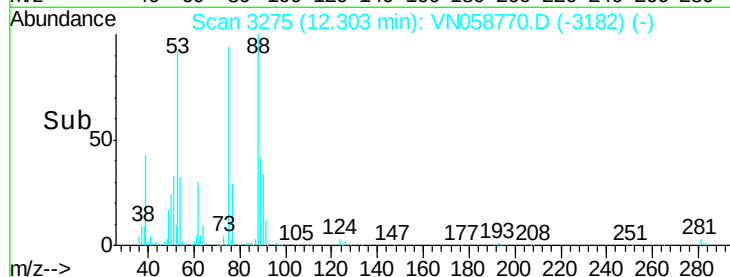
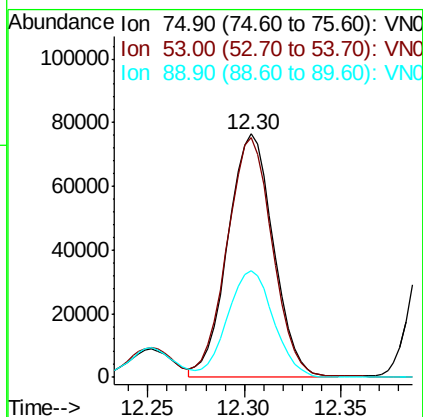
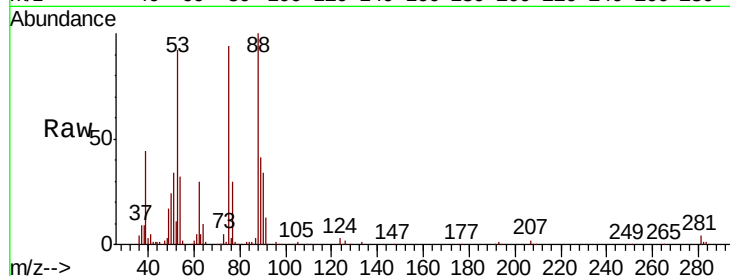
53 98.3 78.4 117.6

89 44.6 34.9 52.3

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#82

4-Chlorotoluene

Concen: 51.000 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058770.D

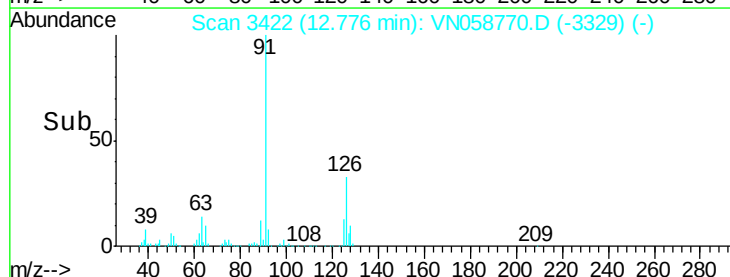
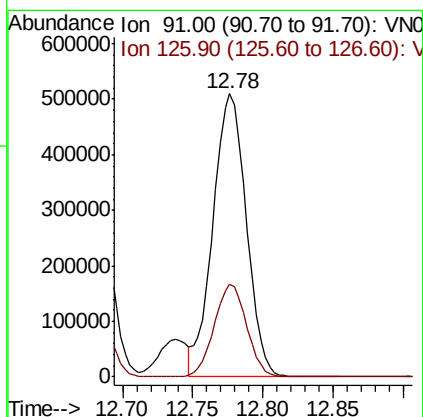
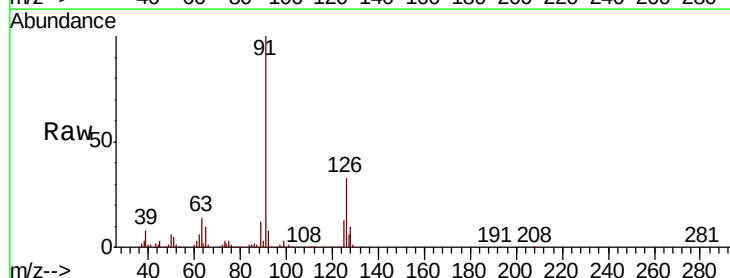
Acq: 14 Oct 2019 23:33

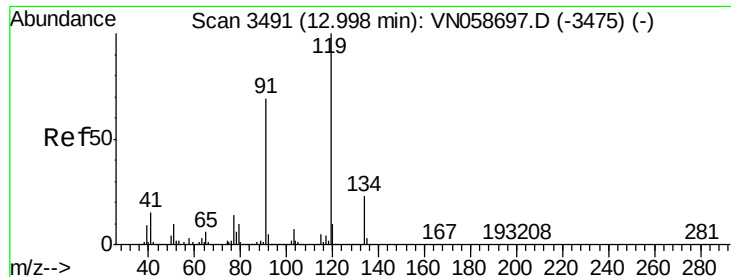
Tgt Ion: 91 Resp: 835848

Ion Ratio Lower Upper

91 100

126 31.9 15.9 47.6





#83

tert-Butylbenzene

Concen: 51.835 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

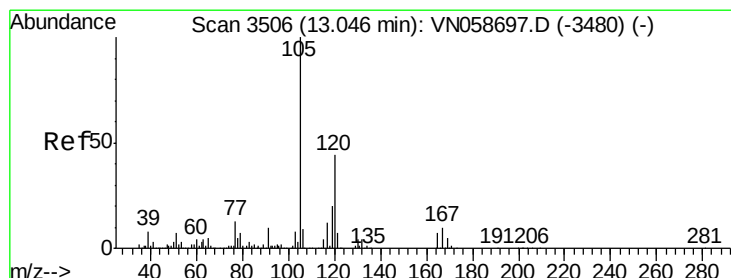
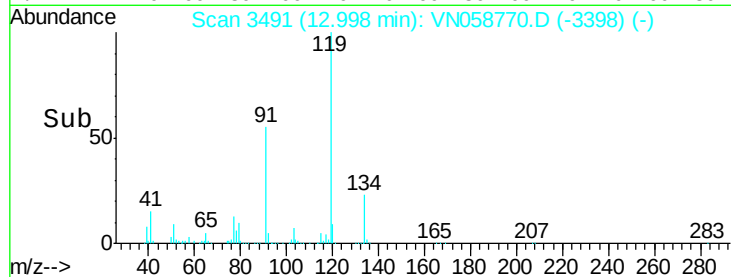
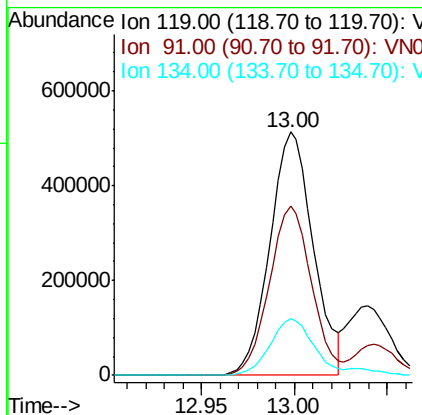
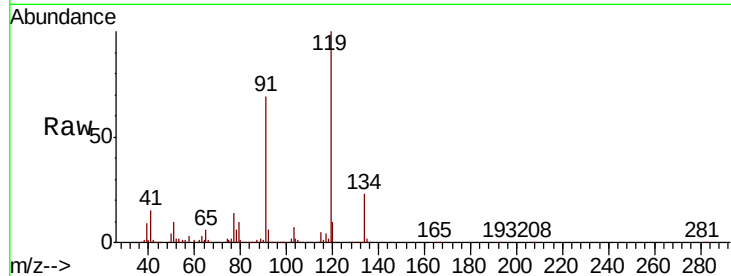
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	837186
Ion Ratio	Lower	Upper	
119	100		
91	67.9	33.8	101.3
134	23.1	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 53.363 ug/l

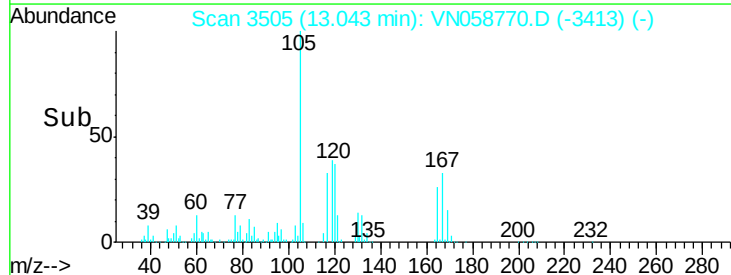
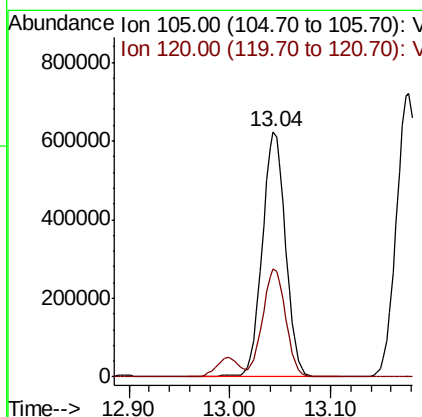
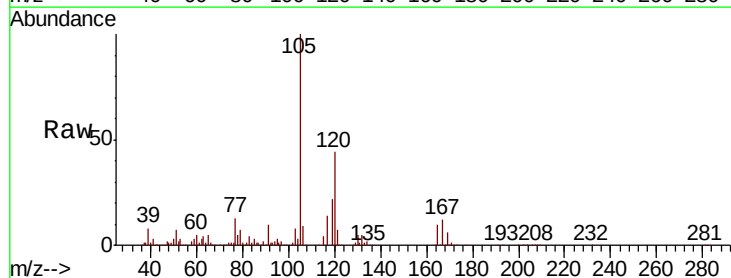
RT: 13.04 min Scan# 3505

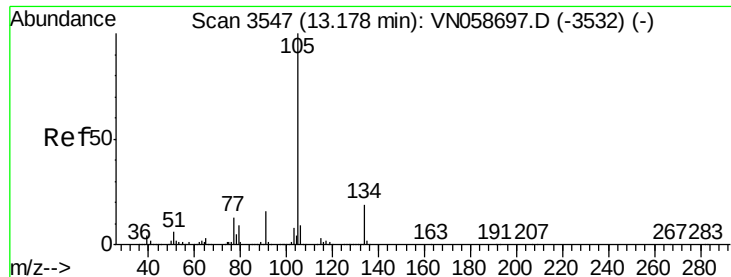
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	105	Resp:	998739
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.530 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1139201

Ion Ratio Lower Upper

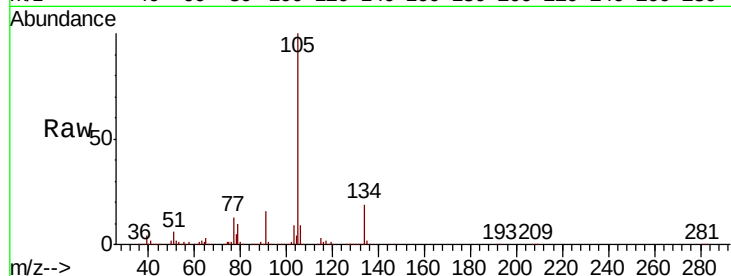
105 100

134 19.2 9.7 29.1

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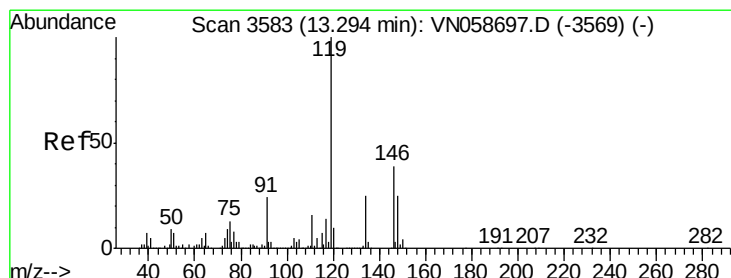
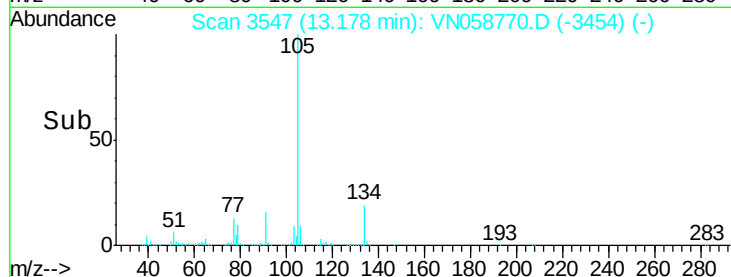
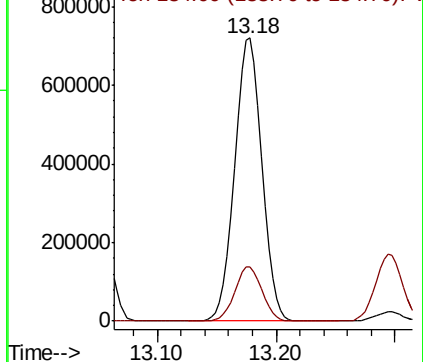
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.189 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

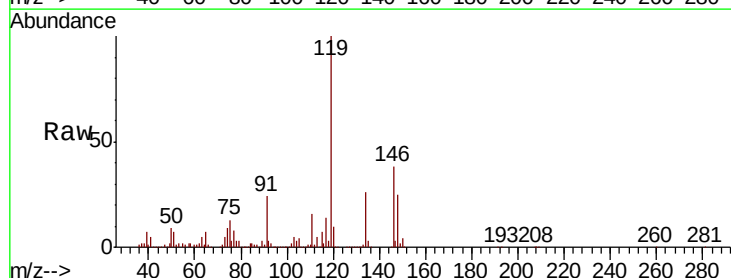
Tgt Ion:119 Resp: 1028774

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

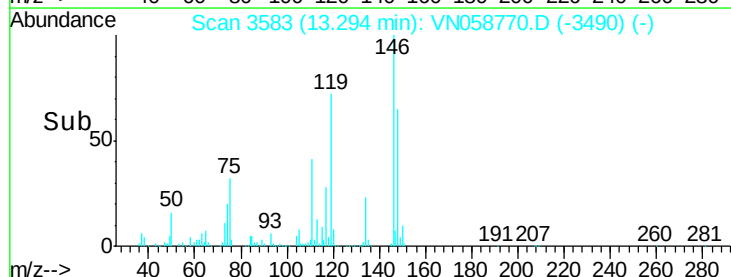
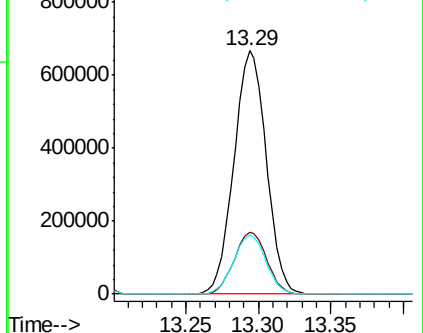
91 24.4 11.9 35.5

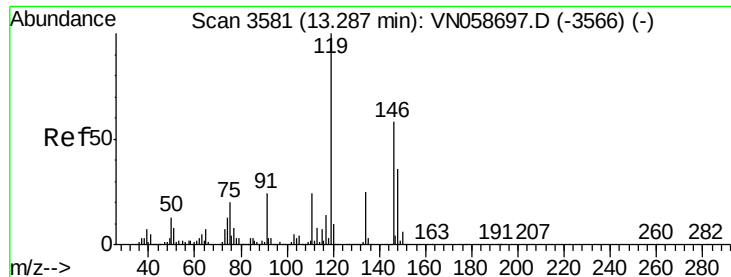


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.210 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058770.D

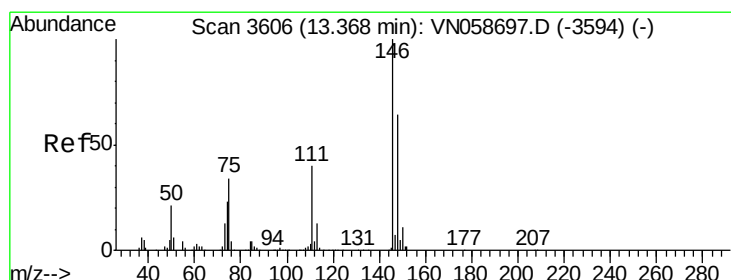
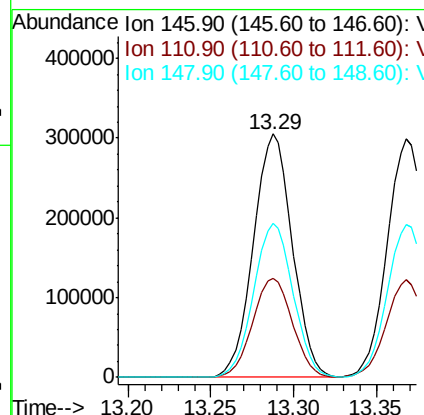
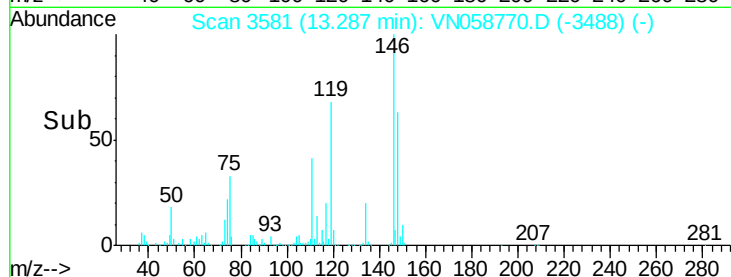
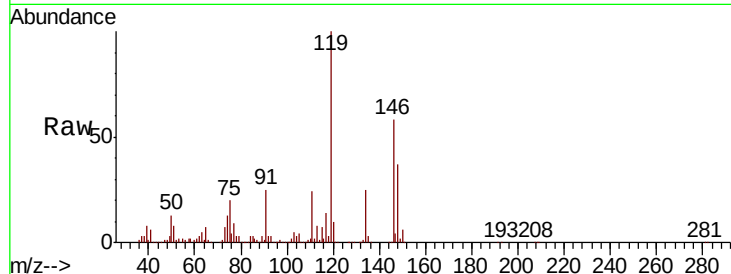
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.0	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.725 ug/l

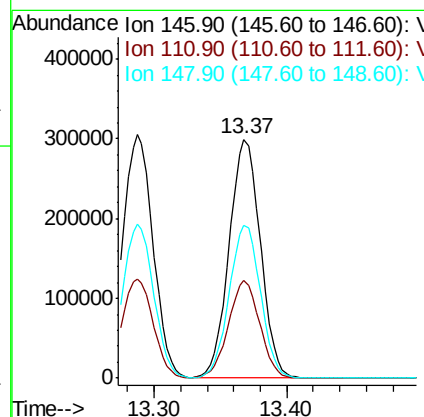
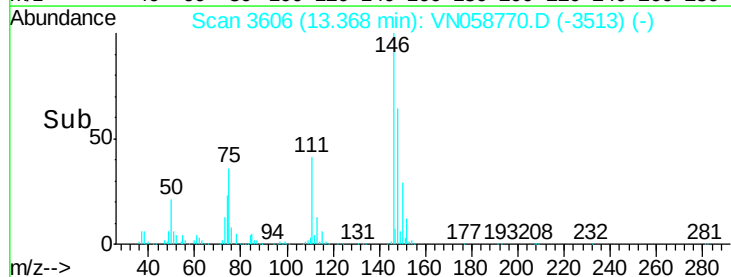
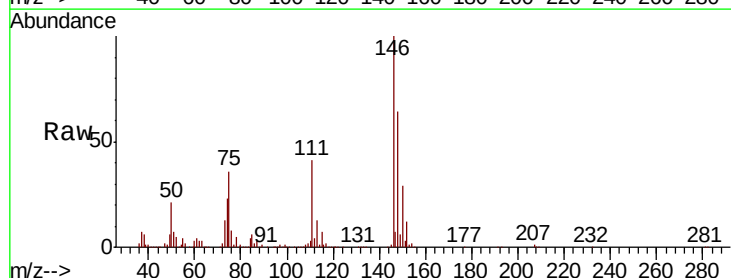
RT: 13.37 min Scan# 3606

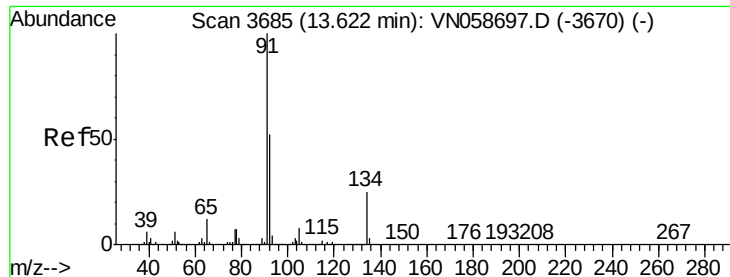
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	64.3	31.9	95.7





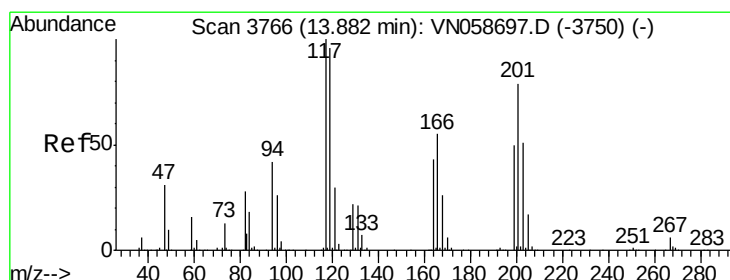
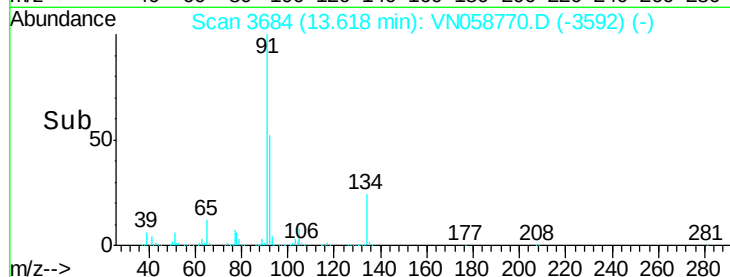
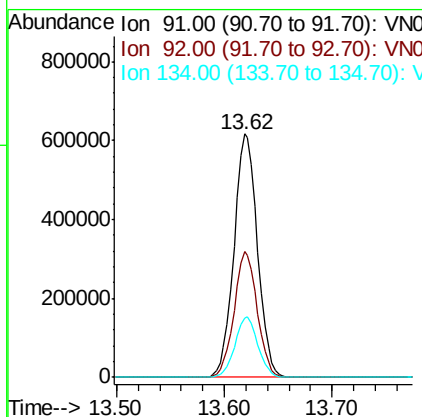
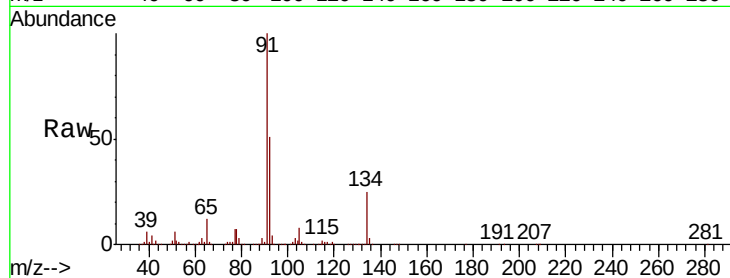
#89
n-Butylbenzene
Concen: 52.369 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		936595		
92	50.9	26.0	78.0		
134	24.4	12.2	36.6		

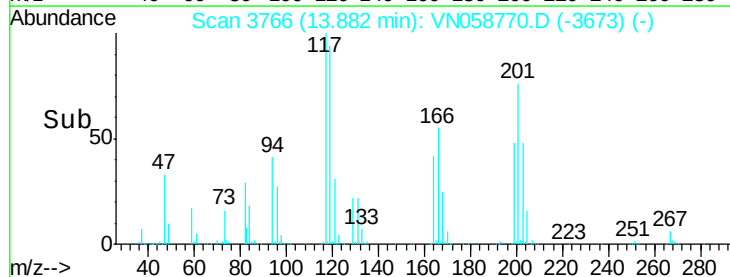
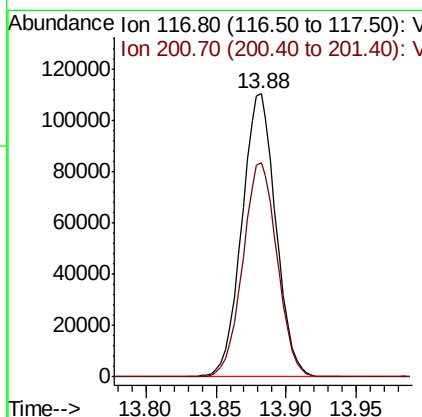
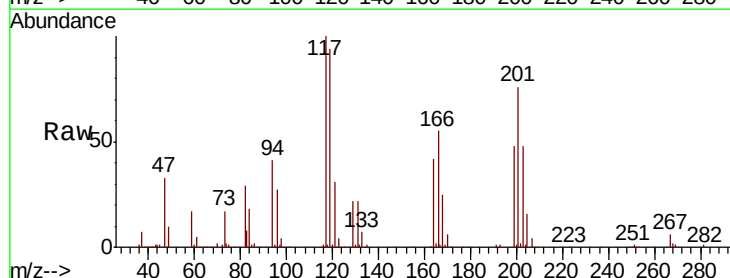
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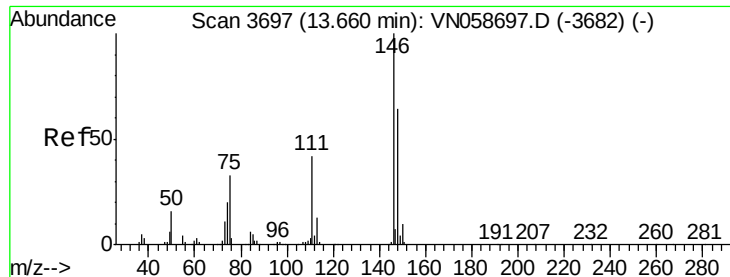
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#90
Hexachloroethane
Concen: 53.561 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058770.D
Acq: 14 Oct 2019 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		185368		
201	76.5	39.6	118.7		





#91

1,2-Dichlorobenzene

Concen: 50.763 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

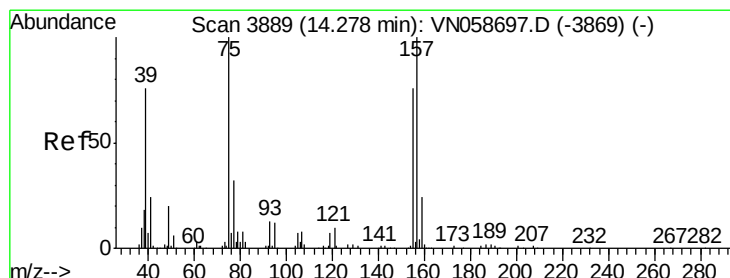
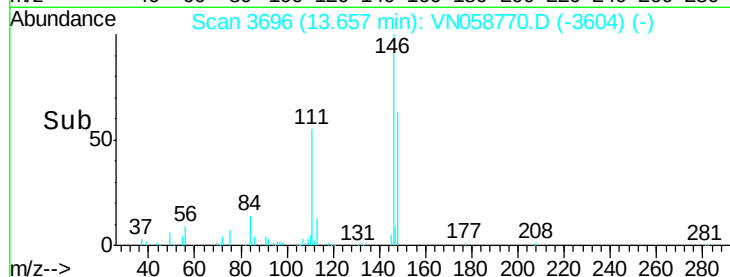
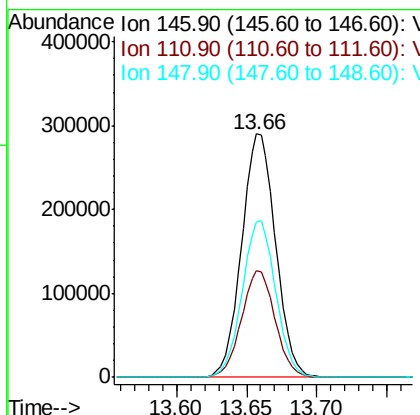
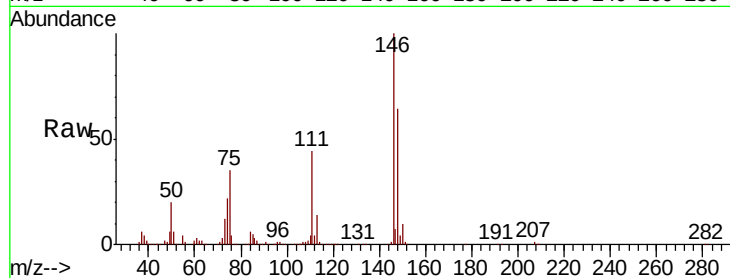
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	490093
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.1	63.4
148	63.5	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.603 ug/l

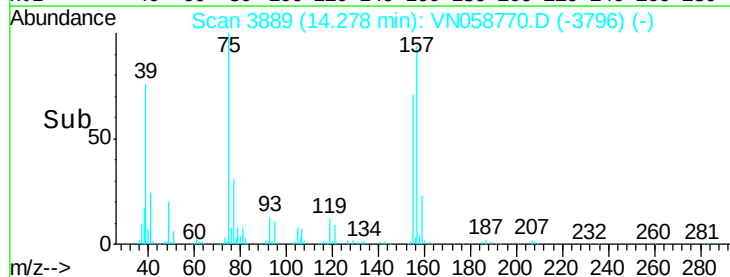
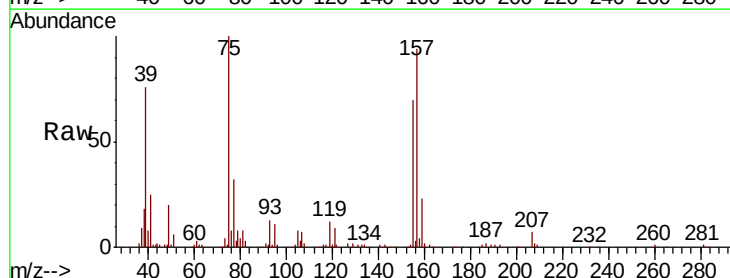
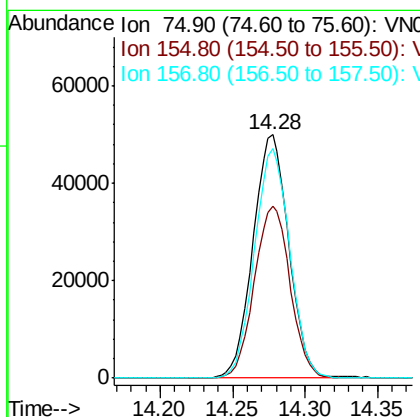
RT: 14.28 min Scan# 3889

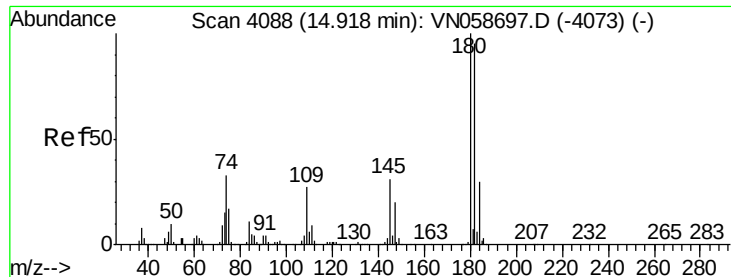
Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	75	Resp:	86002
Ion Ratio	Lower	Upper	
75	100		
155	70.3	37.9	113.6
157	92.8	49.4	148.2





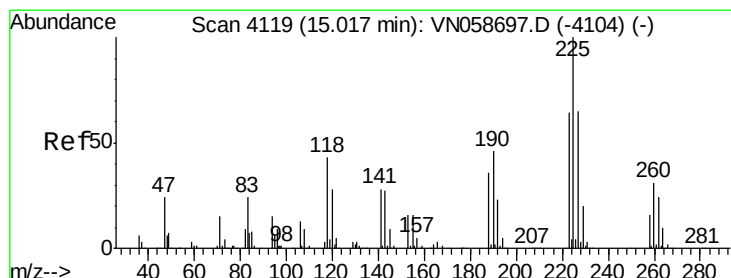
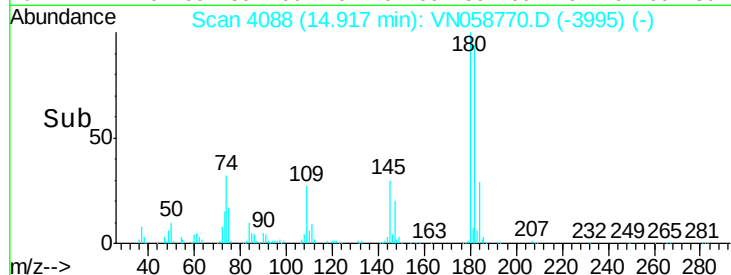
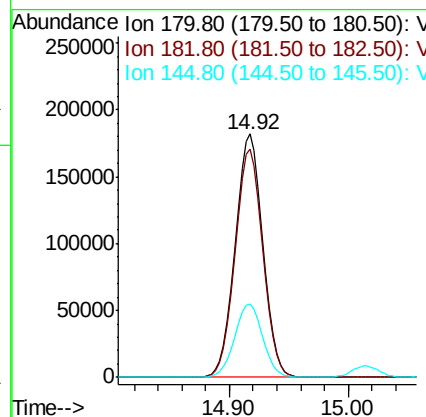
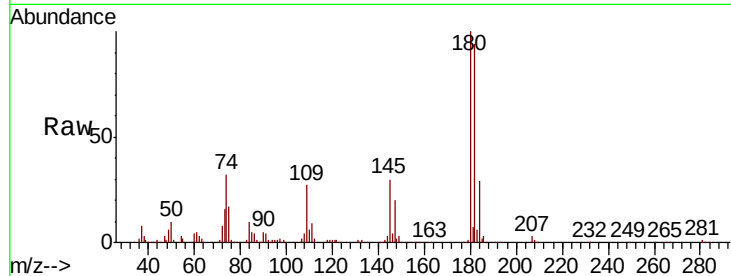
#93
 1,2,4-Trichlorobenzene
 Concen: 49.553 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	30.7	15.4	46.2

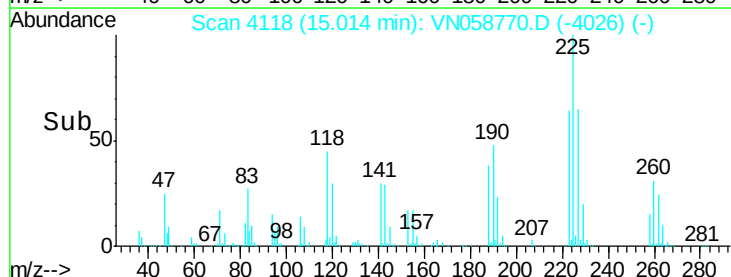
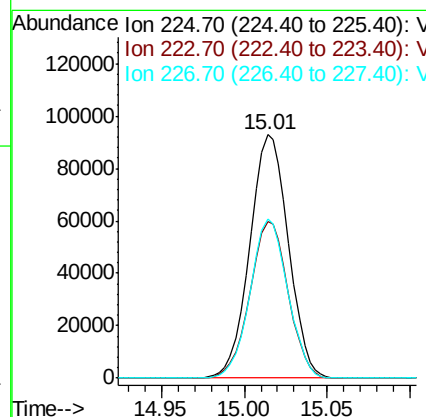
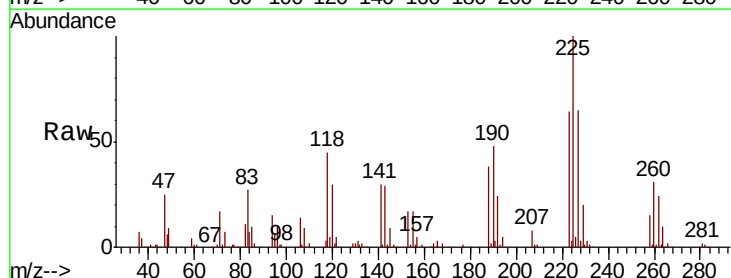
Manual Integrations
 APPROVED

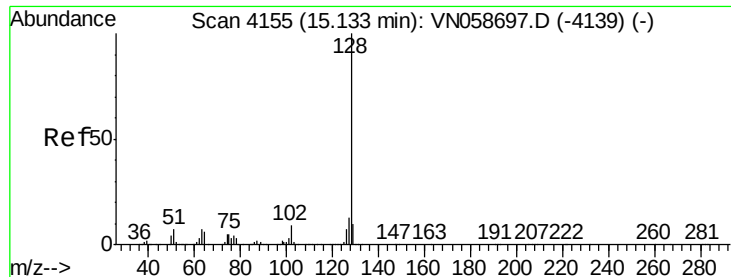
MMDadoda
 10/16/2019 12:57:22 AM



#94
 Hexachlorobutadiene
 Concen: 48.368 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058770.D
 Acq: 14 Oct 2019 23:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.3	96.8
227	63.7	32.4	97.0





#95

Naphthalene

Concen: 50.656 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Instrument :

MSVOA_N

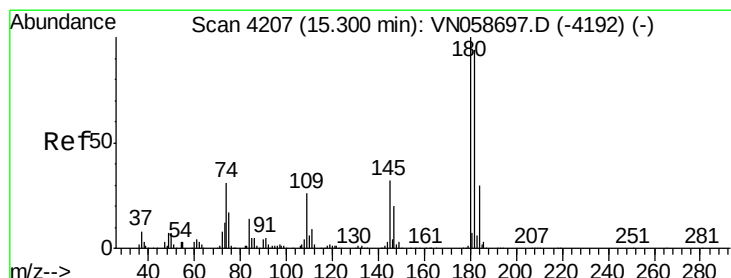
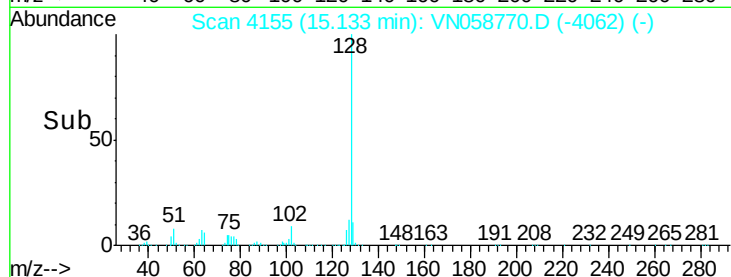
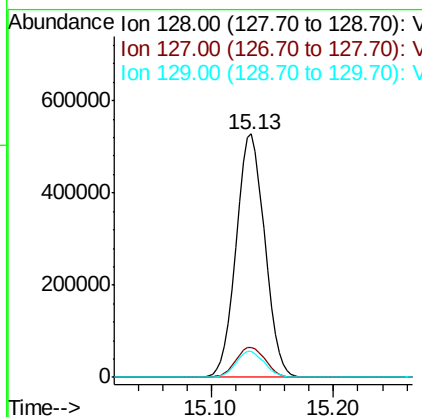
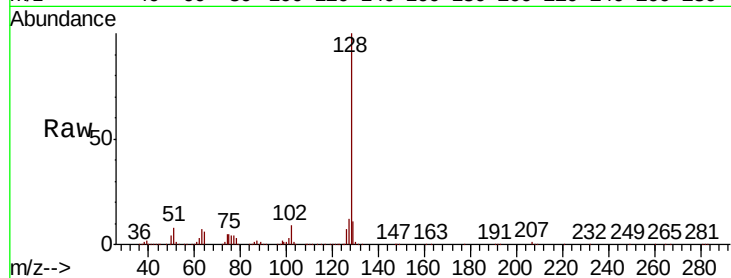
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	857399
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:57:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.465 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058770.D

Acq: 14 Oct 2019 23:33

Tgt Ion:	180	Resp:	278670
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	32.1	16.2	48.6

