

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058722.D
 Acq On : 11 Oct 2019 23:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:55 AM

Quant Time: Oct 12 01:15:09 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	411676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	665548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	296628	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.57	113	214638	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.08	98	848480	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.41	95	317211	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	268306	52.330	ug/l	99
3) Chloromethane	2.04	50	300129	49.227	ug/l	99
4) Vinyl Chloride	2.17	62	304761	50.188	ug/l	99
5) Bromomethane	2.54	94	185342	50.174	ug/l	99
6) Chloroethane	2.68	64	188728	50.388	ug/l	97
7) Trichlorofluoromethane	3.00	101	377693	51.972	ug/l	99
8) Diethyl Ether	3.39	74	131340	48.914	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	206523	49.840	ug/l	99
10) Methyl Iodide	3.93	142	282404	49.942	ug/l	99
11) Tert butyl alcohol	4.76	59	233963	250.659	ug/l	99
12) 1,1-Dichloroethene	3.72	96	201116	50.870	ug/l	95
13) Acrolein	3.58	56	174915	233.008	ug/l	99
14) Allyl chloride	4.30	41	388497	48.693	ug/l	100
15) Acrylonitrile	4.96	53	616039	261.714	ug/l	99
16) Acetone	3.79	43	563154	236.023	ug/l	99
17) Carbon Disulfide	4.03	76	618688	48.955	ug/l	99
18) Methyl Acetate	4.30	43	309980	51.217	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	731272	51.799	ug/l	96
20) Methylene Chloride	4.53	84	241470	48.423	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	220469	49.853	ug/l	97
22) Diisopropyl ether	5.93	45	799676	51.549	ug/l	99
23) Vinyl Acetate	5.87	43	3427067	273.783	ug/l	100
24) 1,1-Dichloroethane	5.83	63	452793	51.249	ug/l	99
25) 2-Butanone	6.81	43	872100	252.876	ug/l	98
26) 2,2-Dichloropropane	6.80	77	334492	41.474	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255483	49.541	ug/l	98
28) Bromochloromethane	7.18	49	157383	51.203	ug/l	99
29) Tetrahydrofuran	7.19	42	586061	262.963	ug/l	100
30) Chloroform	7.36	83	443528	49.966	ug/l	98
31) Cyclohexane	7.64	56	409813	48.478	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	394887	52.163	ug/l	100
36) 1,1-Dichloropropene	7.78	75	336975	50.077	ug/l	99
37) Ethyl Acetate	6.91	43	366503	53.855	ug/l	99
38) Carbon Tetrachloride	7.76	117	344693	52.559	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	394030	50.462	ug/l	99
40) Benzene	8.03	78	997977	51.639	ug/l	98
41) Methacrylonitrile	7.15	41	159623	50.107	ug/l #	34
42) 1,2-Dichloroethane	8.11	62	378342	50.957	ug/l	100
43) Isopropyl Acetate	8.15	43	596286	51.434	ug/l	100
44) Trichloroethene	8.82	130	242982	50.629	ug/l	98
45) 1,2-Dichloropropane	9.11	63	268718	51.940	ug/l	100
46) Dibromomethane	9.20	93	173274	52.825	ug/l	98
47) Bromodichloromethane	9.39	83	355612	53.240	ug/l	99
48) Methyl methacrylate	9.19	41	277112	52.731	ug/l	100
49) 1,4-Dioxane	9.19	88	87769	1079.571	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1853989	284.749	ug/l	99
52) Toluene	10.15	92	615089	52.037	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	391614	51.118	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	411589	50.601	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	239176	49.438	ug/l	99
56) Ethyl methacrylate	10.43	69	381793	54.018	ug/l	100
57) 1,3-Dichloropropane	10.71	76	426239	51.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	929856	272.993	ug/l	99
59) 2-Hexanone	10.75	43	1387287	275.710	ug/l	99
60) Dibromochloromethane	10.90	129	265937	53.287	ug/l	98
61) 1,2-Dibromoethane	11.00	107	252522	52.101	ug/l	100
64) Tetrachloroethene	10.63	164	219935	50.471	ug/l	97
65) Chlorobenzene	11.43	112	642570	50.815	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	244437	52.276	ug/l	99
67) Ethyl Benzene	11.51	91	1199018	53.193	ug/l	100
68) m/p-Xylenes	11.62	106	890156	105.231	ug/l	99
69) o-Xylene	11.95	106	426394	52.099	ug/l	99
70) Styrene	11.97	104	710078	52.935	ug/l	100
71) Bromoform	12.13	173	185025	53.985	ug/l #	98
73) Isopropylbenzene	12.25	105	1174587	52.561	ug/l	99
74) N-amyl acetate	12.07	43	536347	53.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	375169	50.962	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	338244m	49.969	ug/l	
77) Bromobenzene	12.53	156	273138	50.251	ug/l	100
78) n-propylbenzene	12.60	91	1386456	53.243	ug/l	100
79) 2-Chlorotoluene	12.68	91	814797	50.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1005016	52.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124034	49.083	ug/l	98
82) 4-Chlorotoluene	12.78	91	837836	50.517	ug/l	99
83) tert-Butylbenzene	13.00	119	844830	51.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1014828	53.582	ug/l	100
85) sec-Butylbenzene	13.18	105	1160467	53.885	ug/l	99
86) p-Isopropyltoluene	13.29	119	1045890	53.435	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	507849	50.662	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	504334	49.484	ug/l	100
89) n-Butylbenzene	13.62	91	947205	52.336	ug/l	99
90) Hexachloroethane	13.88	117	185876	53.073	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	496987	50.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86084	50.053	ug/l	95

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	299215	50.205	ug/l	99
94) Hexachlorobutadiene	15.02	225	150215	47.862	ug/l	98
95) Naphthalene	15.13	128	879787	51.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	287664	49.438	ug/l	100

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

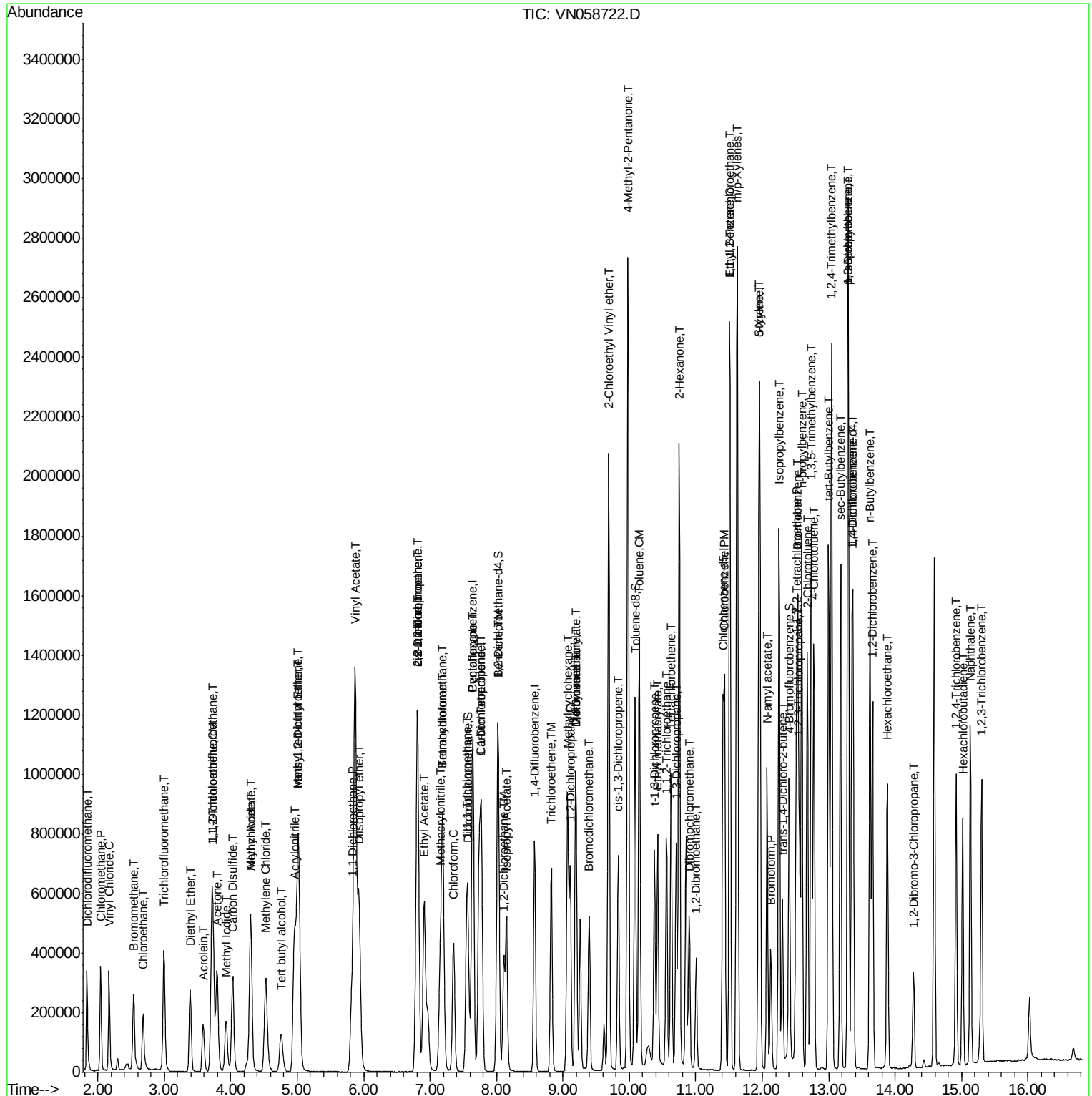
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Data File : VN058722.D
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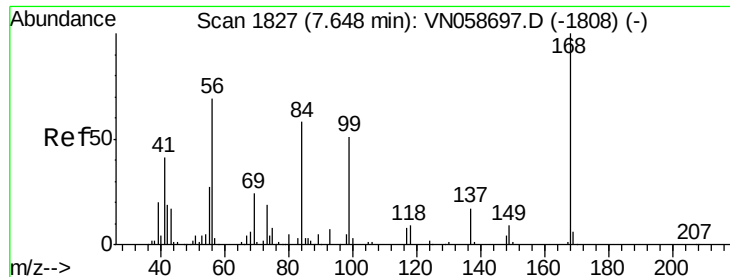
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 411676

Ion Ratio Lower Upper

168 100

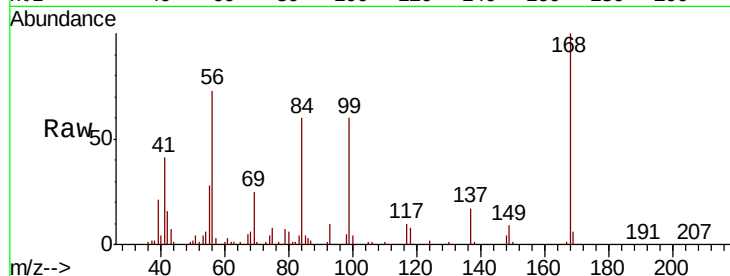
99 60.0 47.5 71.3

Manual Integrations

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10/16/2019 12:48:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

0

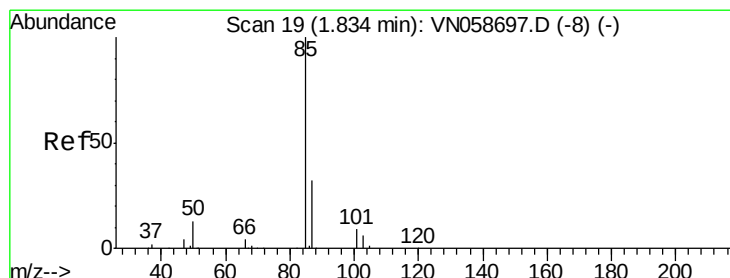
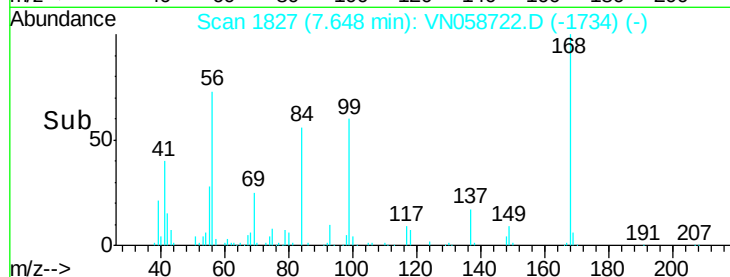
7.65

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.330 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058722.D

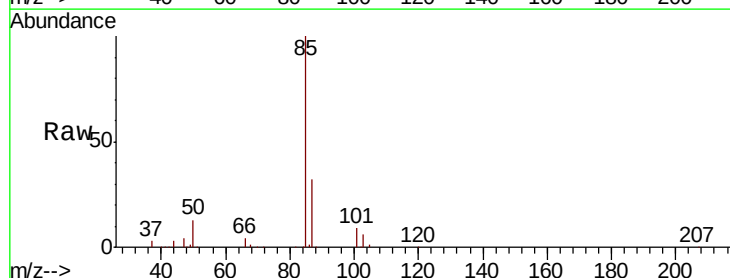
Acq: 11 Oct 2019 23:20

Tgt Ion: 85 Resp: 268306

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

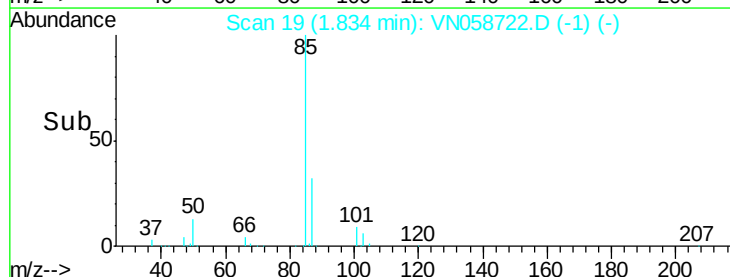
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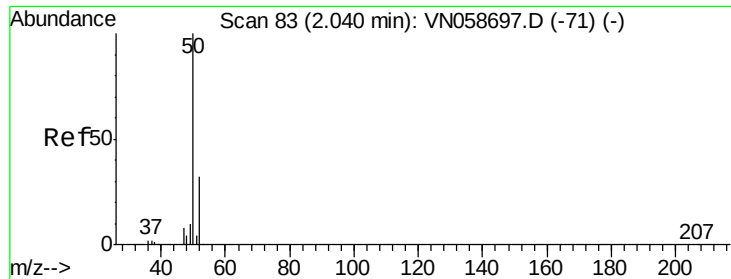
1.83

1.80

1.90

Time-->





#3

Chloromethane

Concen: 49.227 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 300129

Ion Ratio Lower Upper

50 100

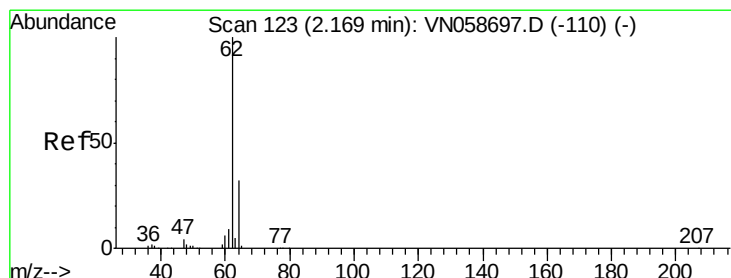
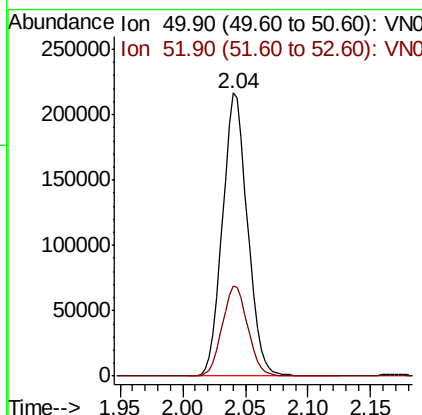
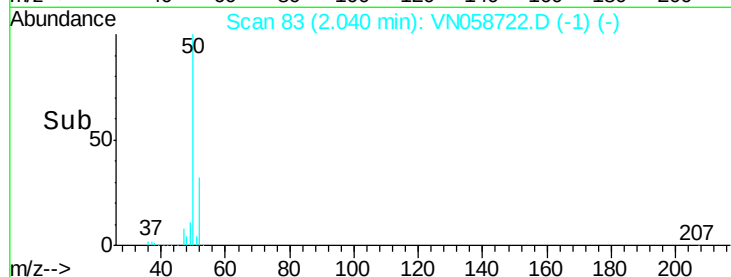
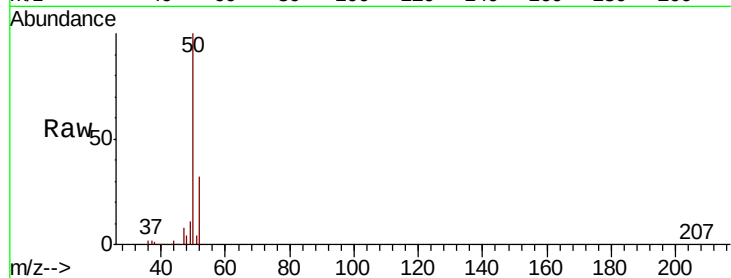
52 31.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.188 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058722.D

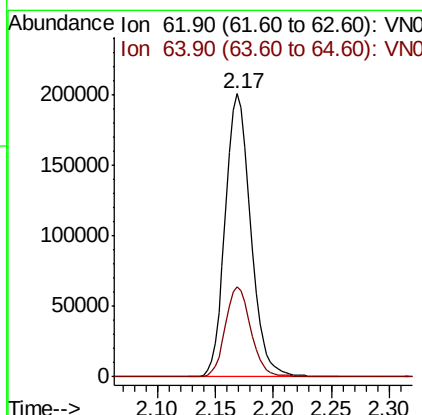
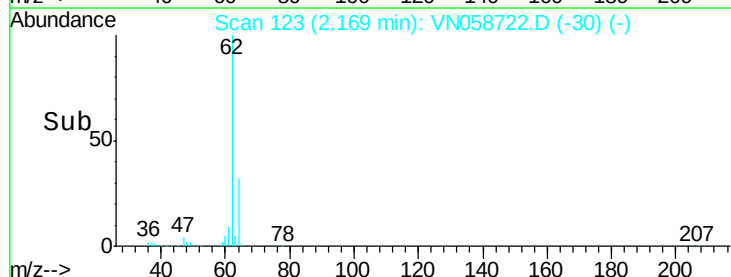
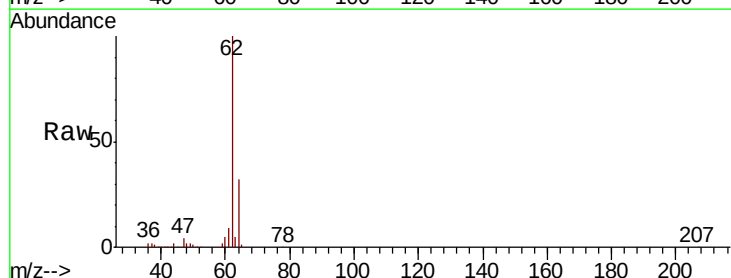
Acq: 11 Oct 2019 23:20

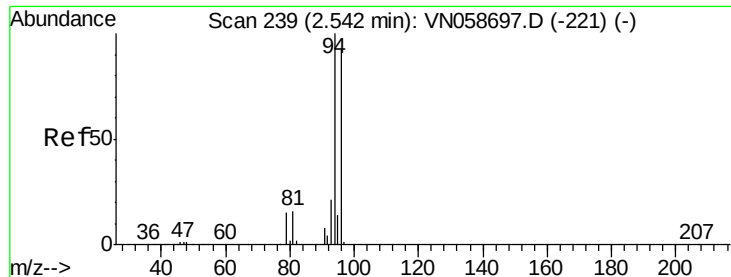
Tgt Ion: 62 Resp: 304761

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 50.174 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 185342

Ion Ratio Lower Upper

94 100

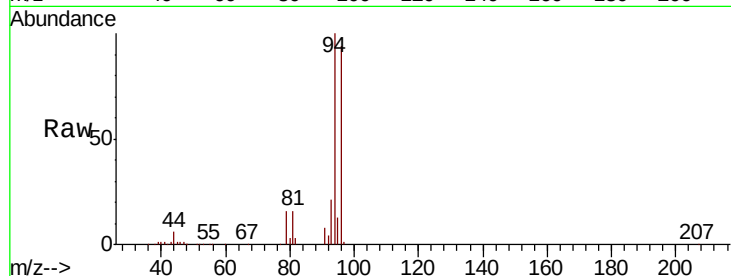
96 94.4 74.5 111.7

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

80000

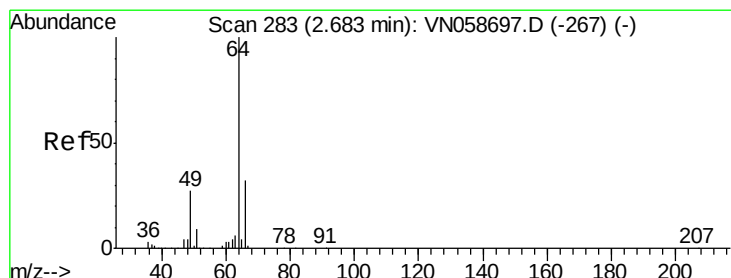
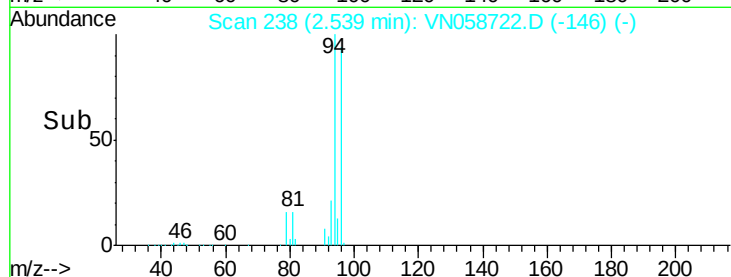
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.388 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058722.D

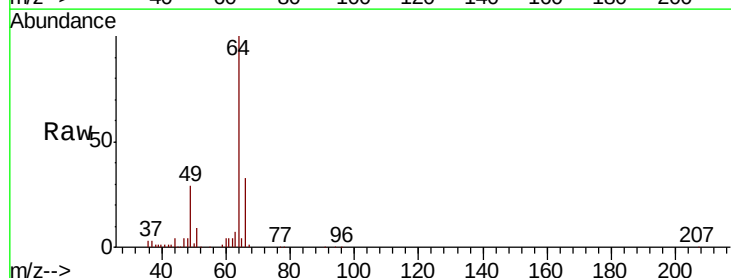
Acq: 11 Oct 2019 23:20

Tgt Ion: 64 Resp: 188728

Ion Ratio Lower Upper

64 100

66 33.2 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

80000

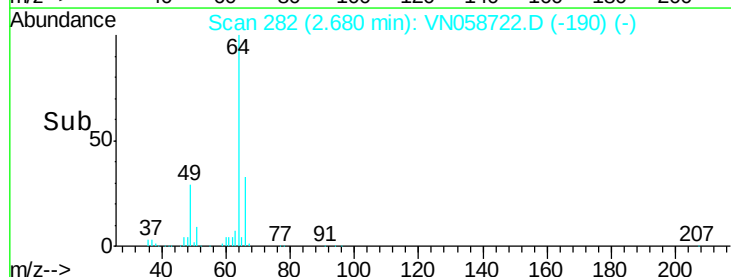
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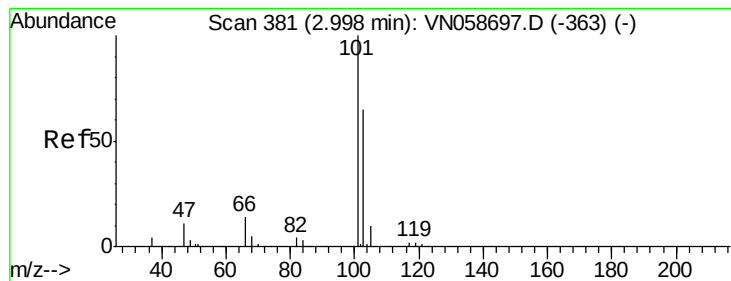
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20000

0

Time-->





#7

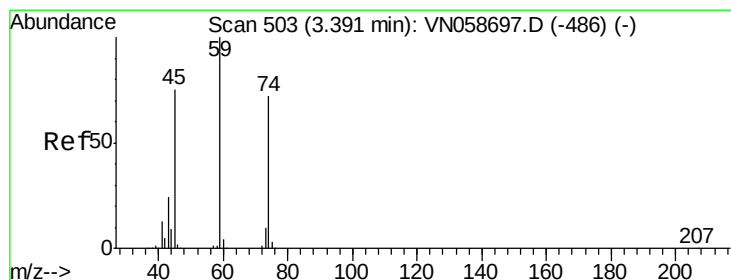
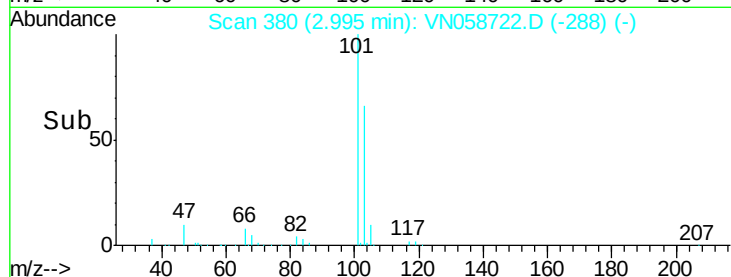
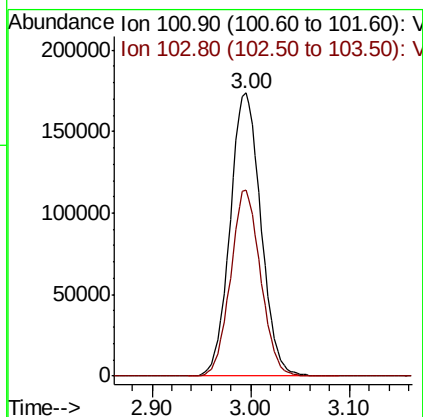
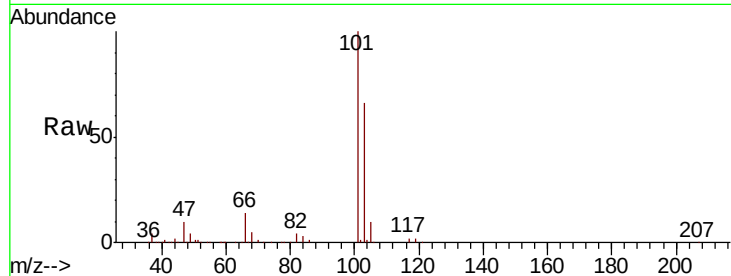
Trichlorofluoromethane
Concen: 51.972 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6

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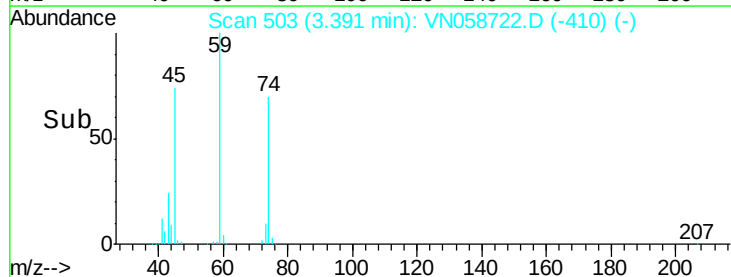
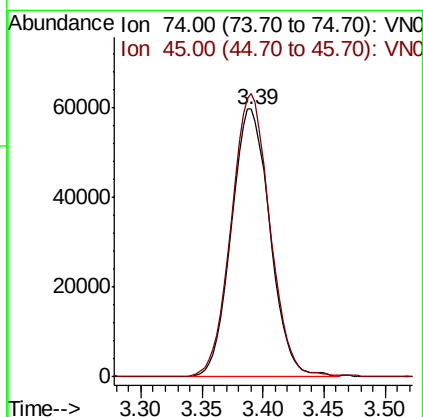
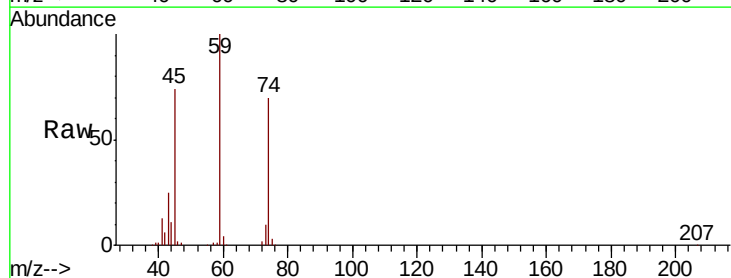
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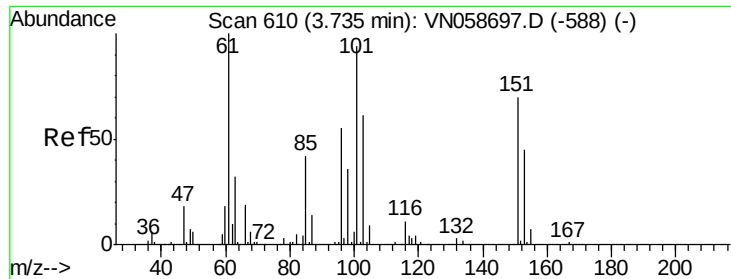


#8

Diethyl Ether
Concen: 48.914 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.840 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

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MSVOA_N

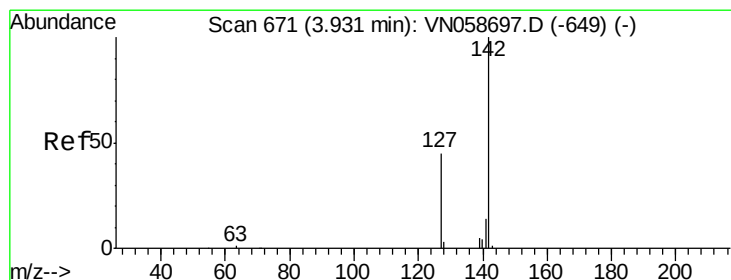
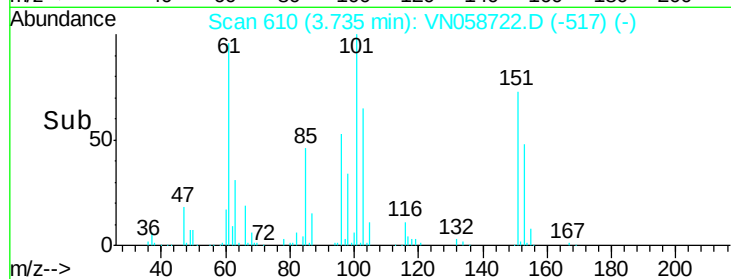
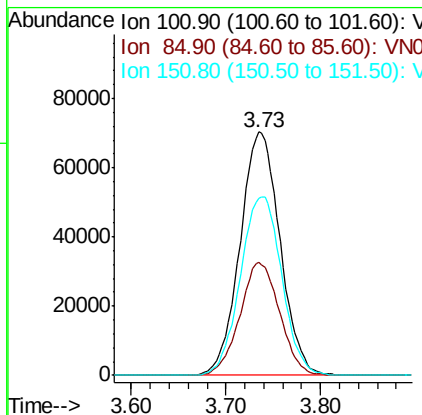
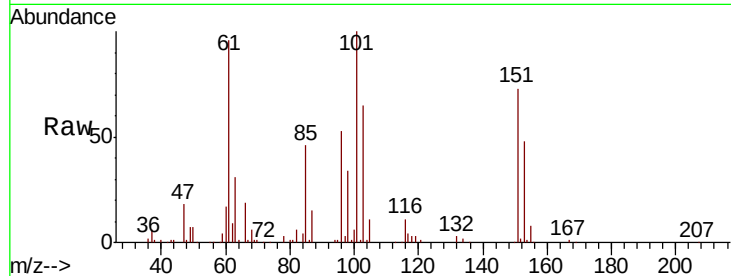
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	206523
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.0	55.6
151	76.1	61.8	92.6

Manual Integrations
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10/16/2019 12:48:55 AM



#10

Methyl Iodide

Concen: 49.942 ug/l

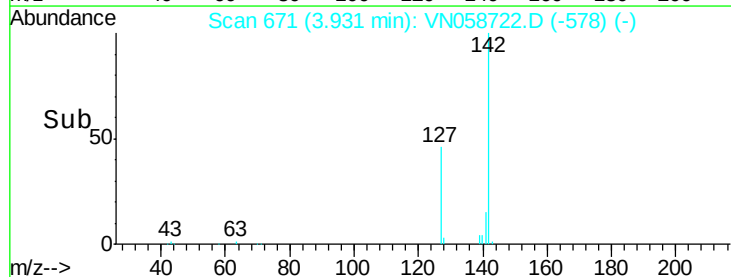
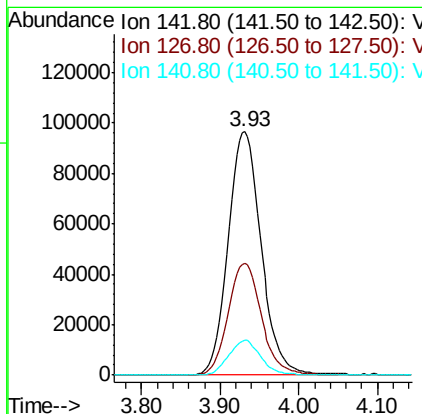
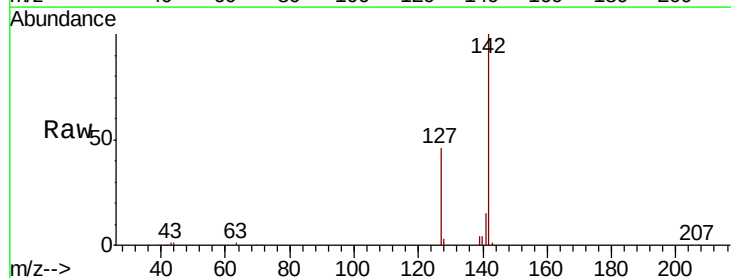
RT: 3.93 min Scan# 671

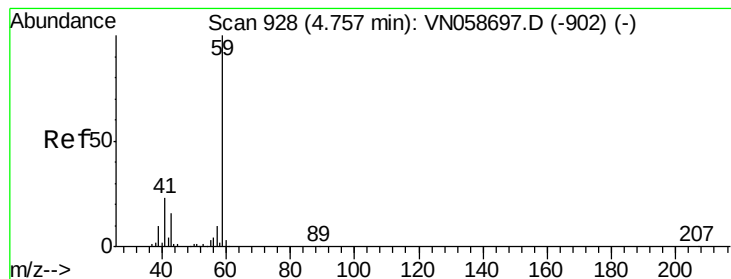
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	142	Resp:	282404
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.4	54.6
141	14.0	11.1	16.7





#11

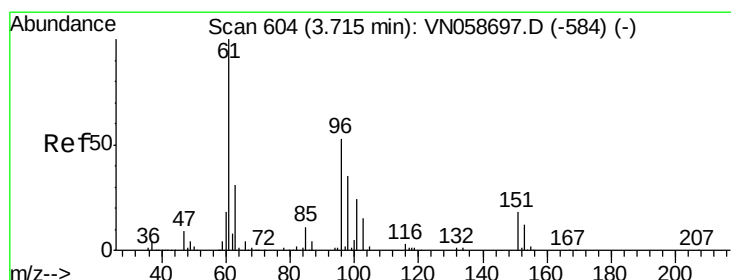
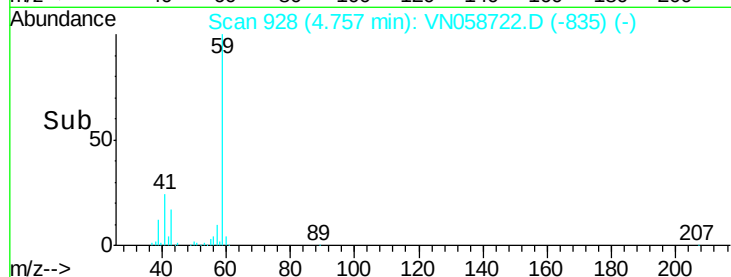
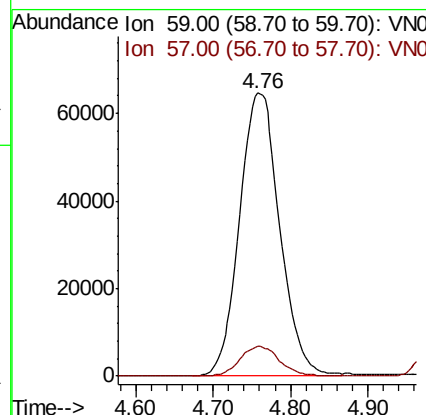
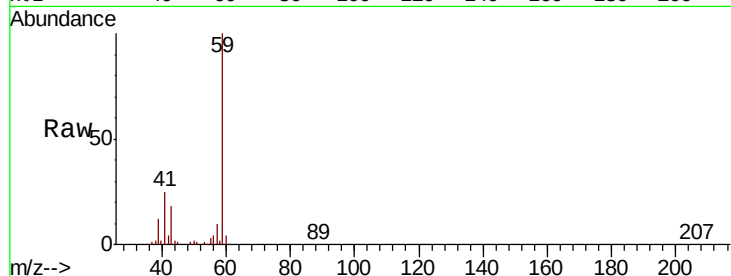
Tert butyl alcohol
 Concen: 250.659 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	233963		
57	10.3		8.4	12.6

Manual Integrations
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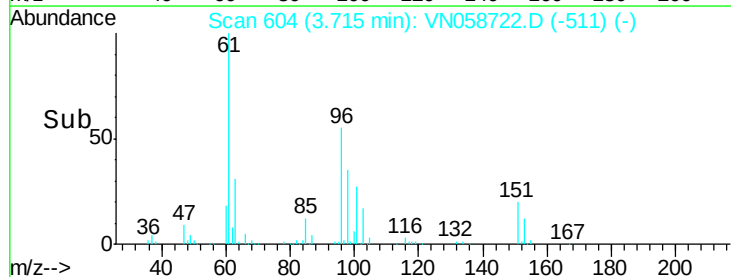
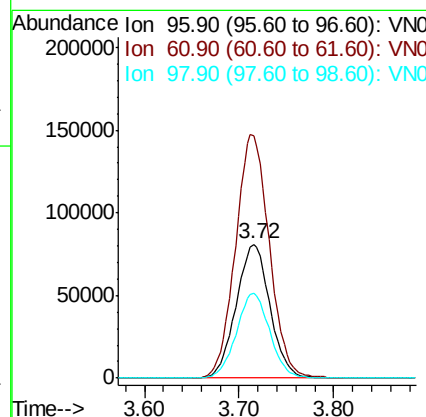
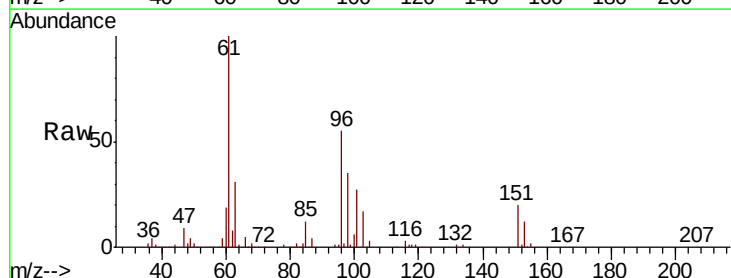
MMDadoda
 10/16/2019 12:48:55 AM

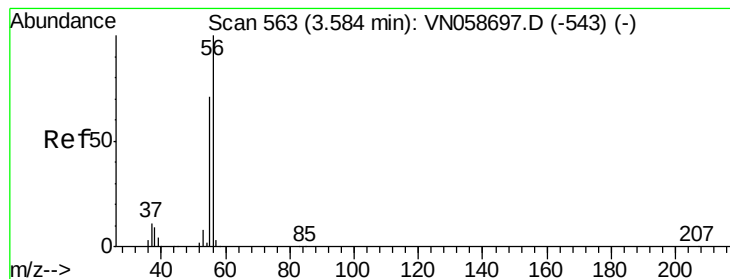


#12

1,1-Dichloroethene
 Concen: 50.870 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	201116		
61	181.2		151.3	226.9
98	63.1		52.6	78.8





#13

Acrolein

Concen: 233.008 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 174915

Ion Ratio Lower Upper

56 100

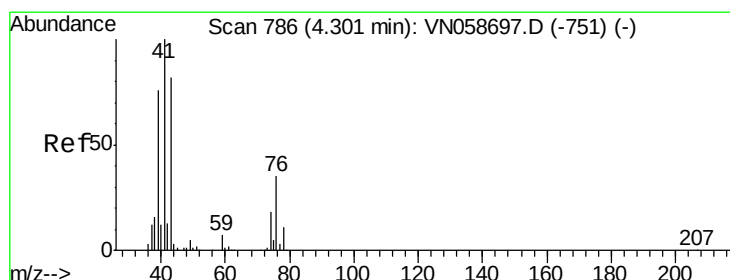
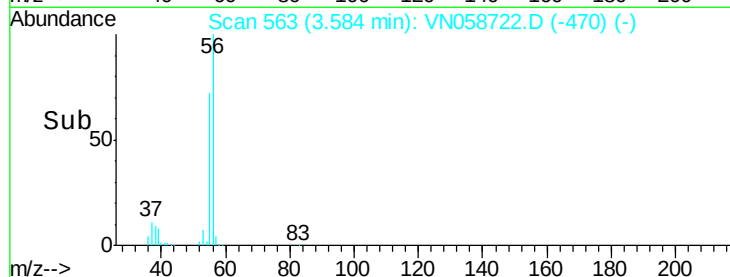
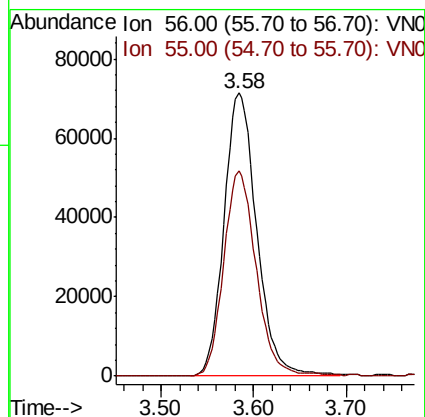
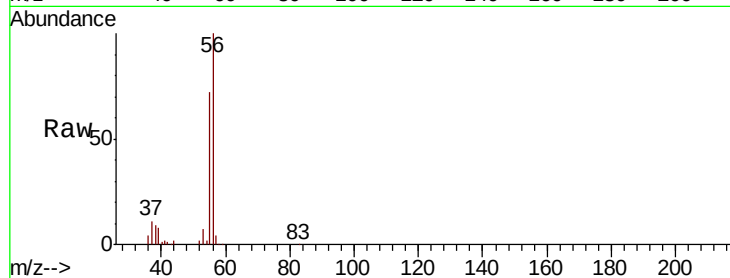
55 71.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.693 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

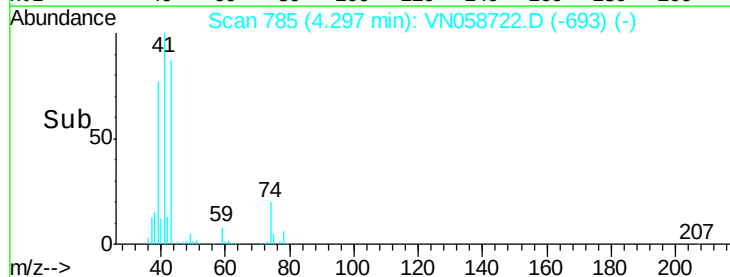
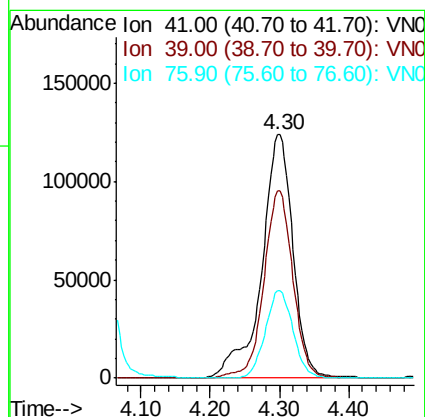
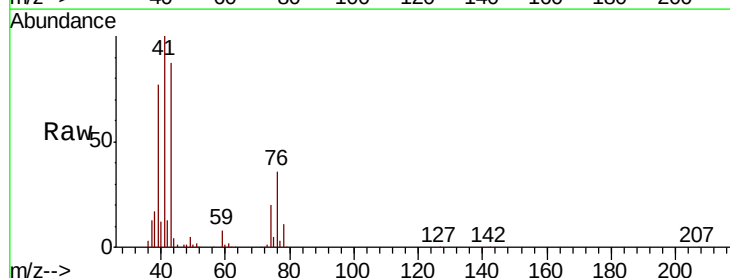
Tgt Ion: 41 Resp: 388497

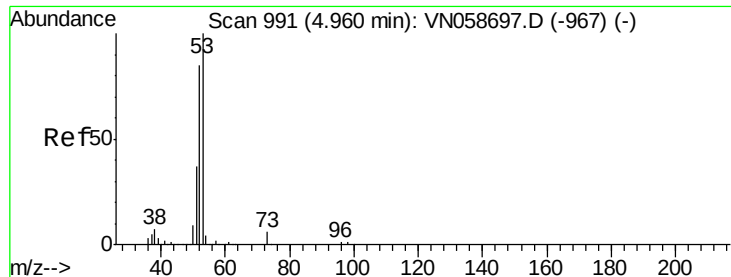
Ion Ratio Lower Upper

41 100

39 71.4 57.2 85.8

76 31.3 25.0 37.6





#15

Acrylonitrile

Concen: 261.714 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

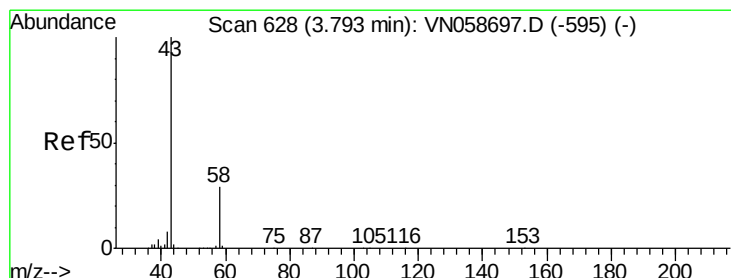
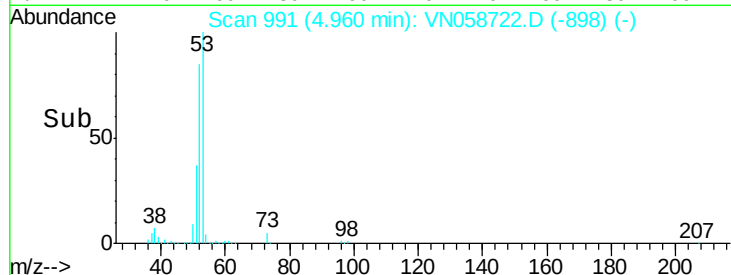
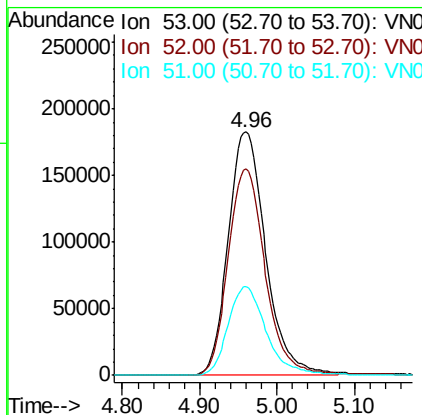
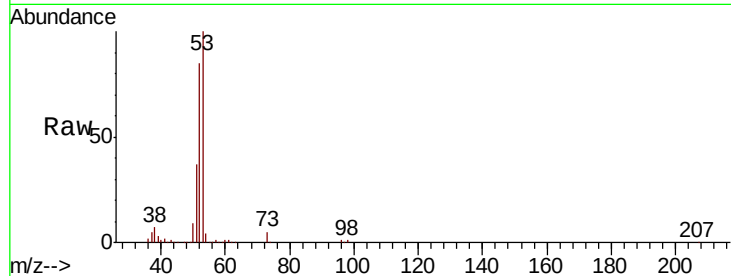
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	616039
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	37.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 236.023 ug/l

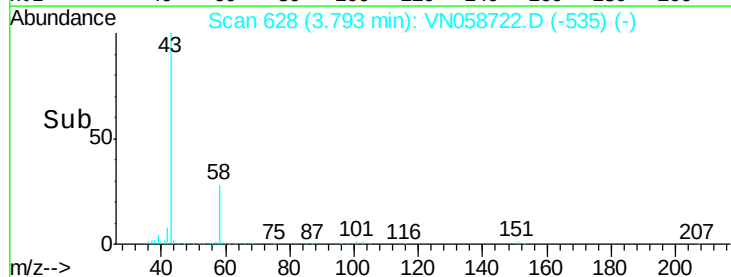
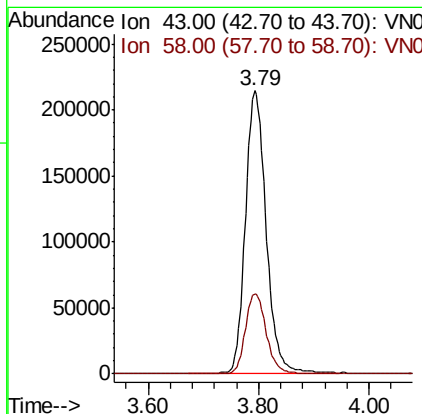
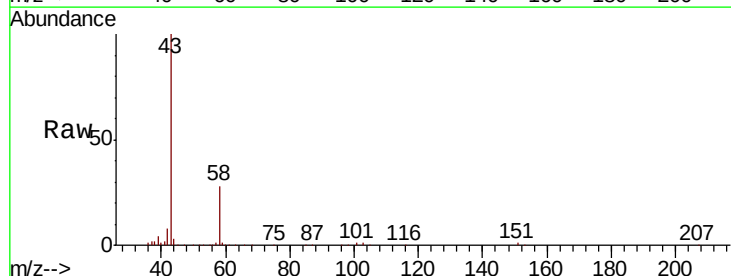
RT: 3.79 min Scan# 628

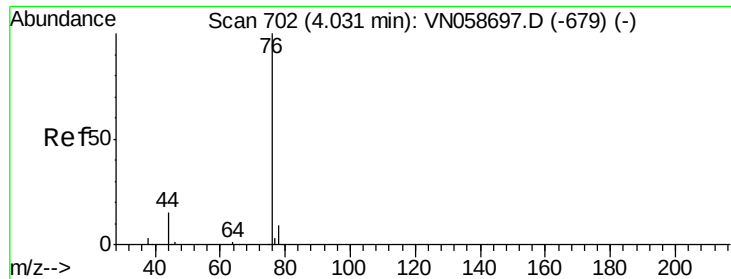
Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	43	Resp:	563154
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.3	34.9





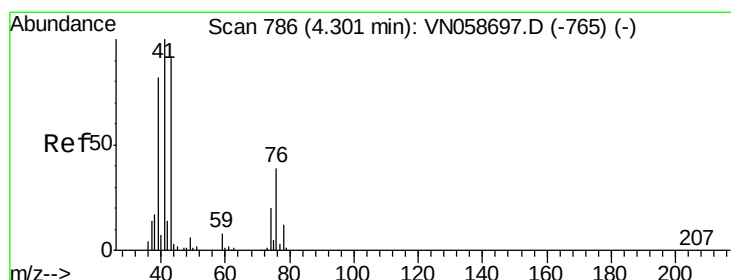
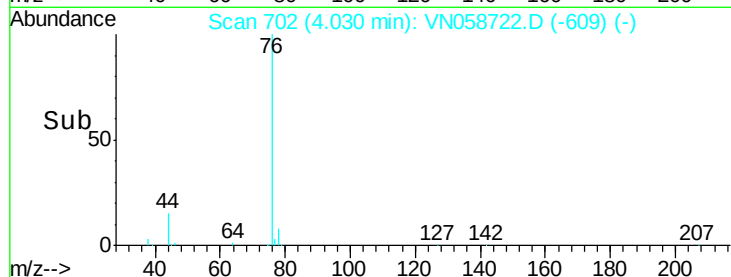
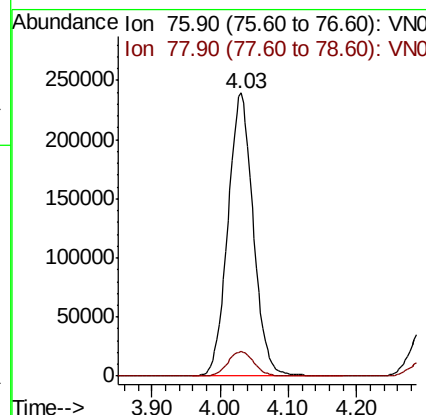
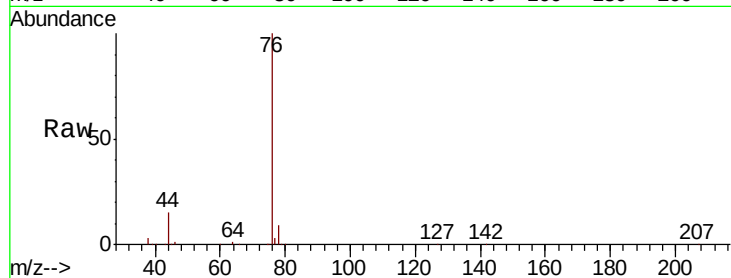
#17
Carbon Disulfide
Concen: 48.955 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

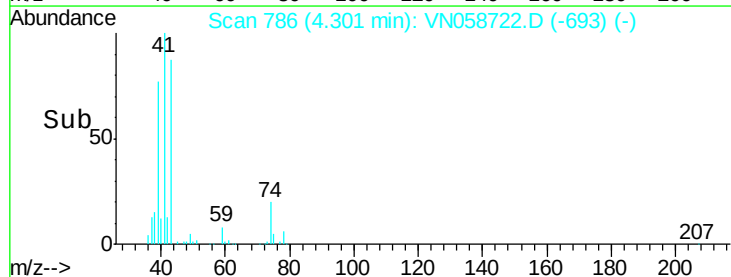
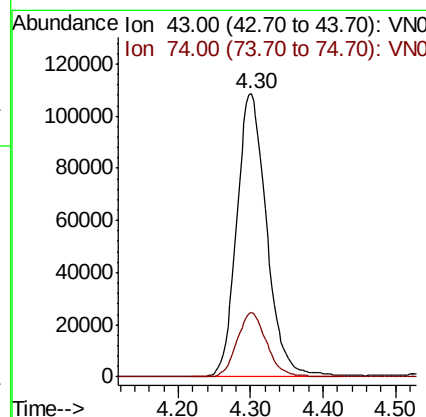
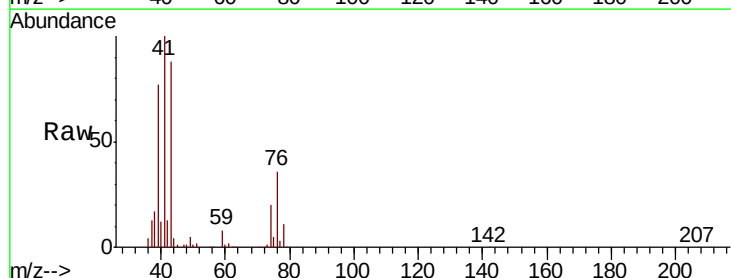
Manual Integrations
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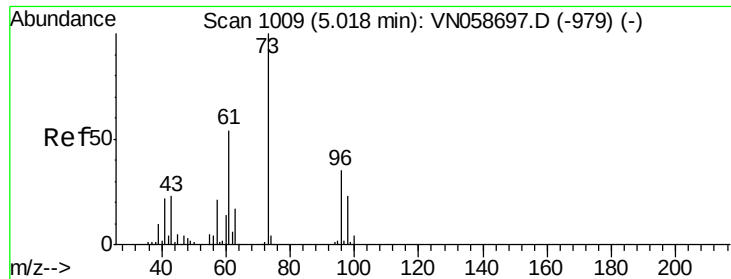
MMDadoda
10/16/2019 12:48:55 AM



#18
Methyl Acetate
Concen: 51.217 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.2	25.8





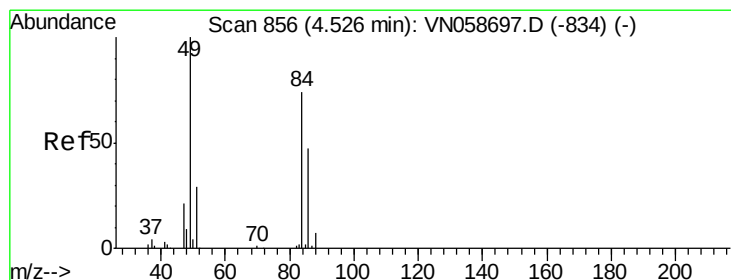
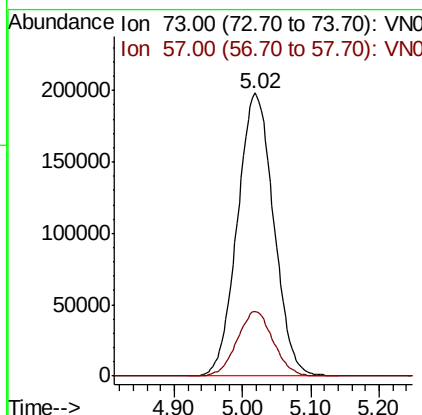
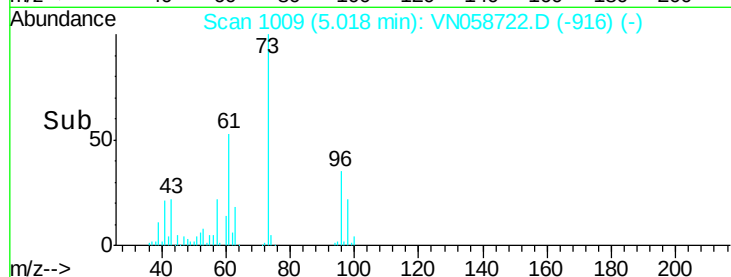
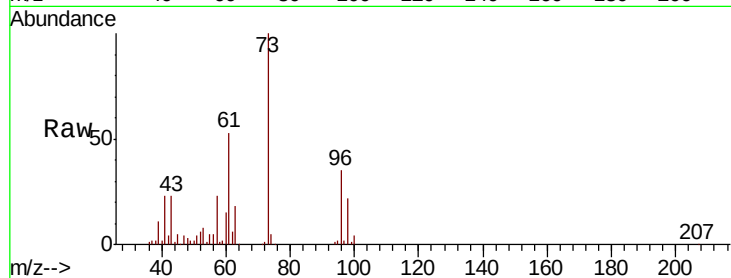
#19
Methyl tert-butyl Ether
Concen: 51.799 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 731272
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6

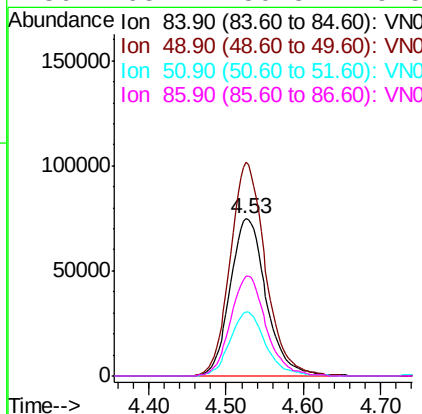
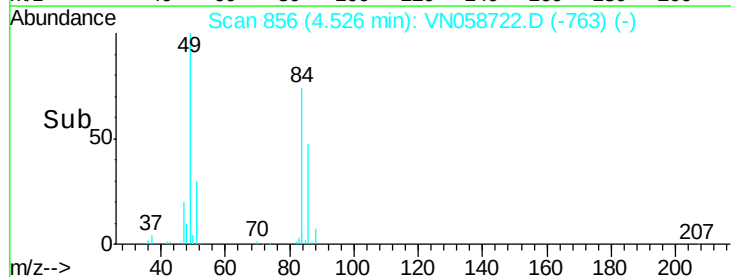
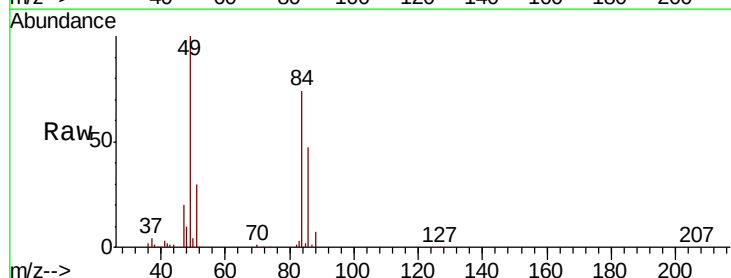
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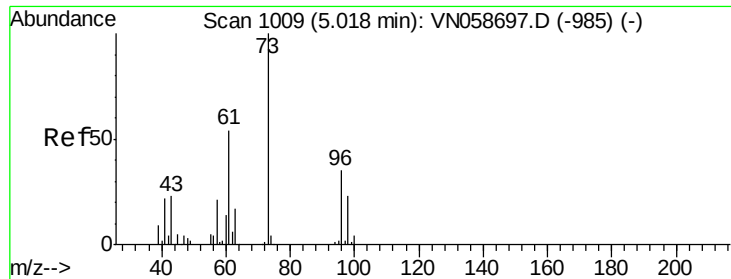
MMDadoda
10/16/2019 12:48:55 AM



#20
Methylene Chloride
Concen: 48.423 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion: 84 Resp: 241470
Ion Ratio Lower Upper
84 100
49 135.8 107.6 161.4
51 40.6 31.4 47.0
86 63.2 50.3 75.5





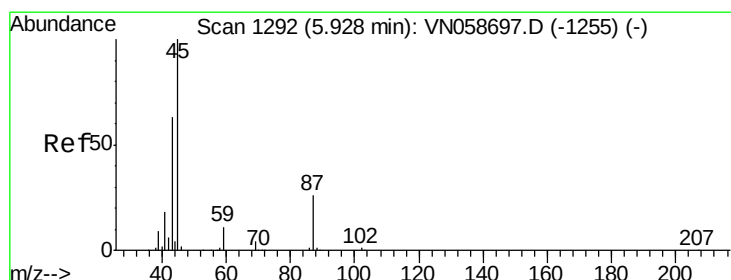
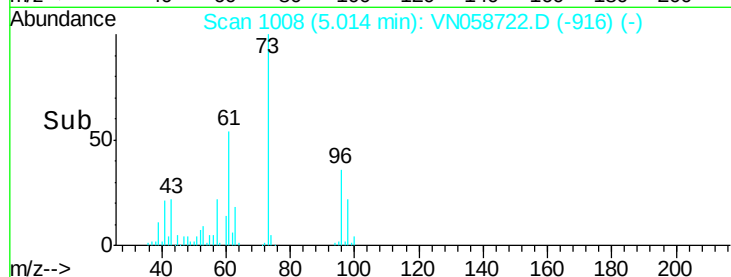
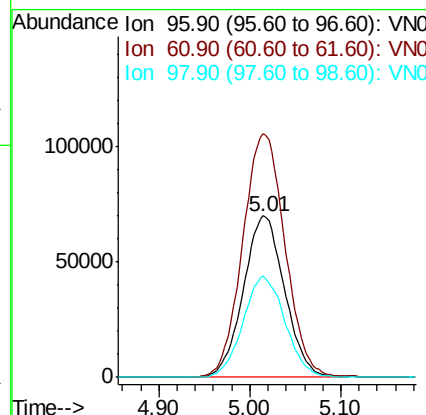
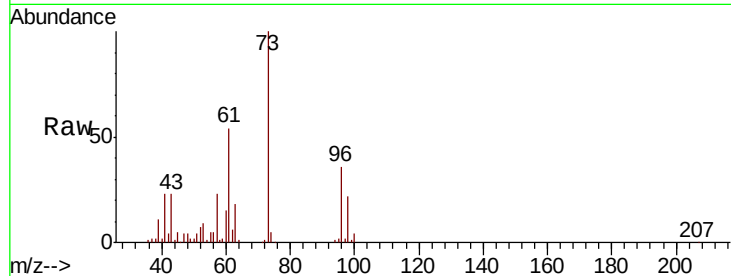
#21
trans-1,2-Dichloroethene
Concen: 49.853 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	123.6	185.4
98	62.7	52.1	78.1

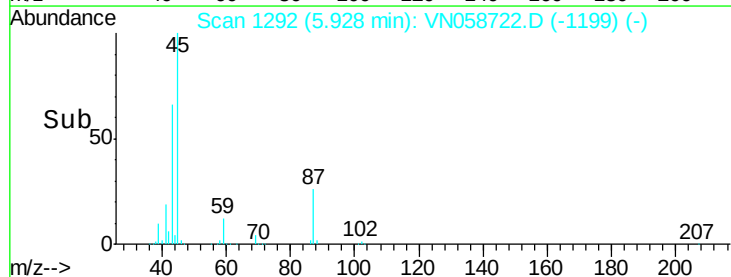
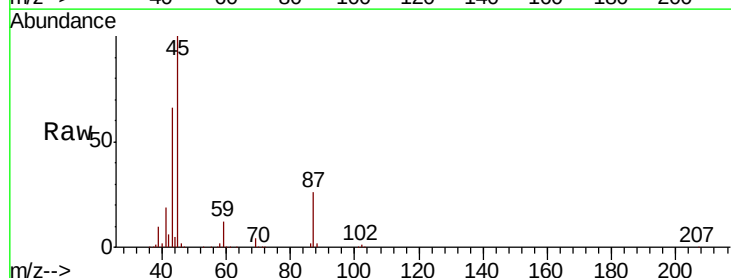
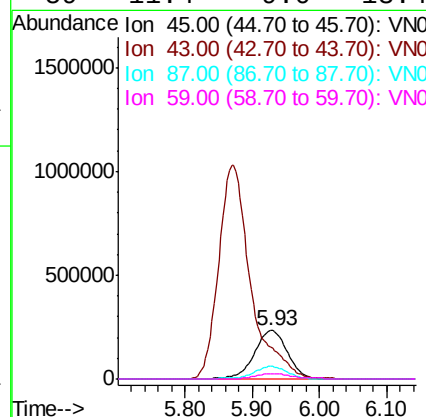
Manual Integrations
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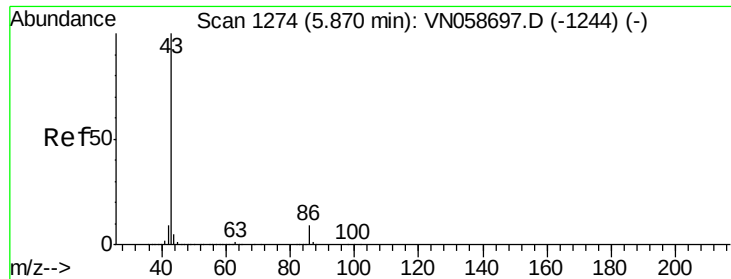
MMDadoda
10/16/2019 12:48:55 AM



#22
Diisopropyl ether
Concen: 51.549 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	50.6	75.8
87	26.3	21.1	31.7
59	11.4	9.0	13.4





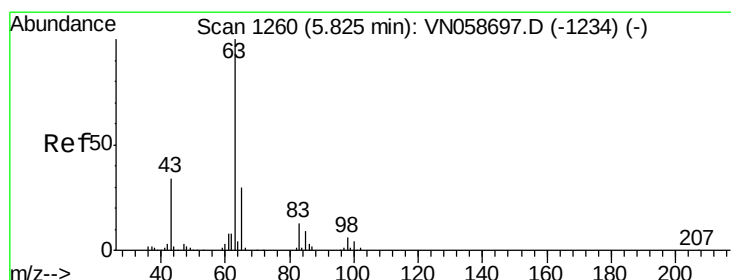
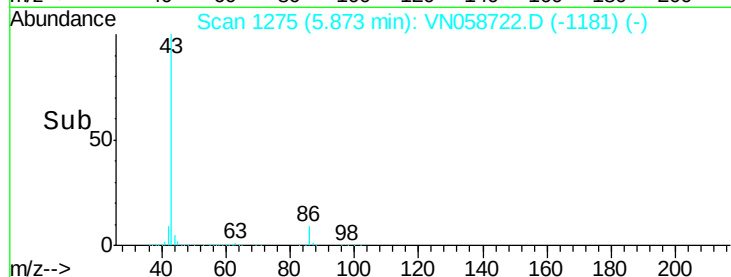
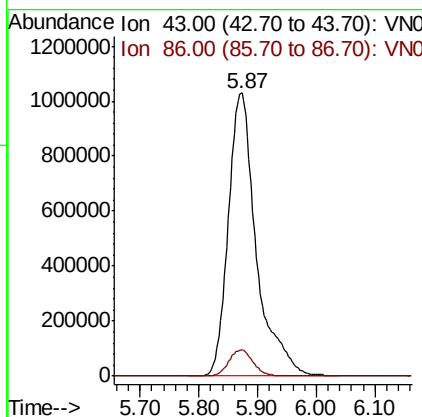
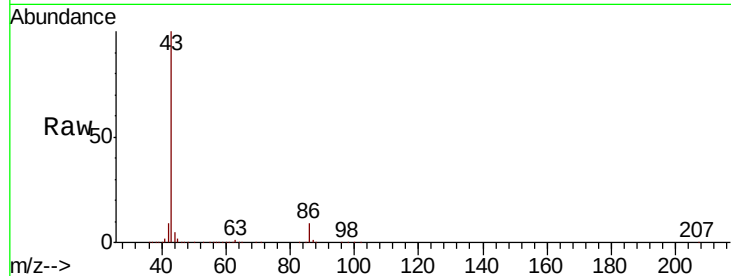
#23
 Vinyl Acetate
 Concen: 273.783 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3427067
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

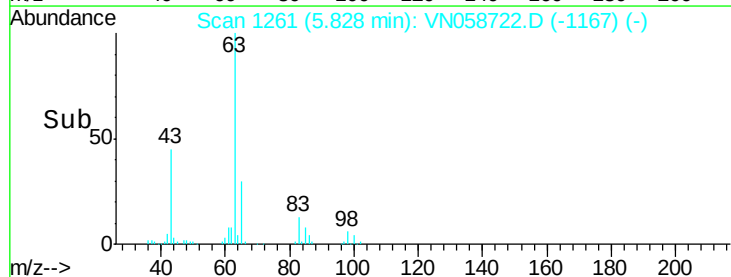
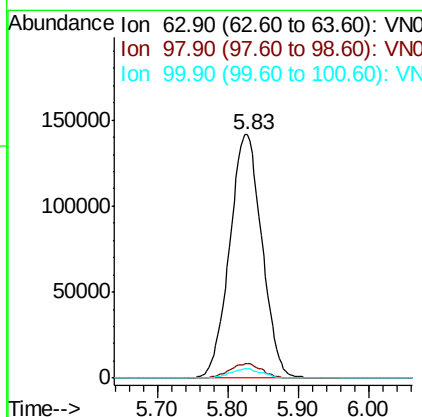
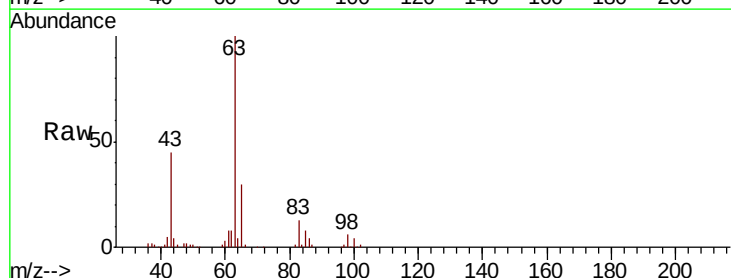
Manual Integrations
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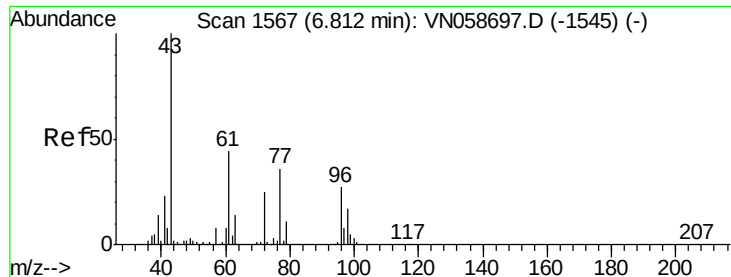
MMDadoda
 10/16/2019 12:48:55 AM



#24
 1,1-Dichloroethane
 Concen: 51.249 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion: 63 Resp: 452793
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 252.876 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 872100

Ion Ratio Lower Upper

43 100

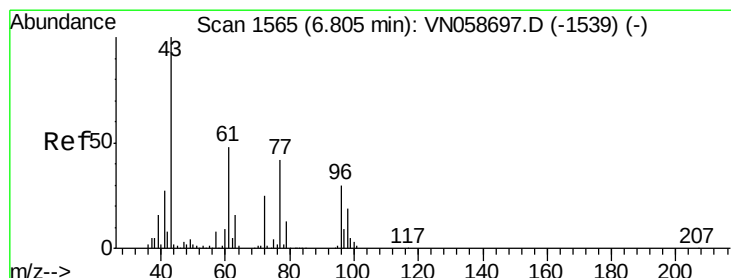
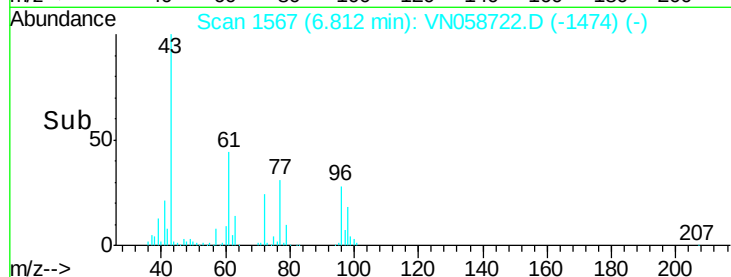
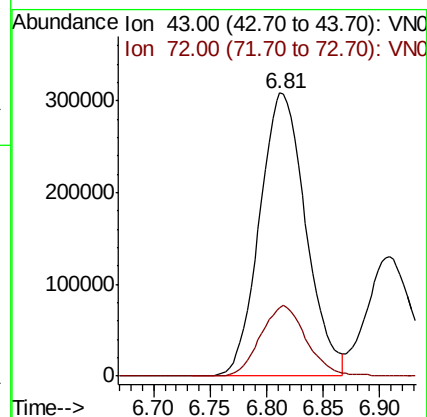
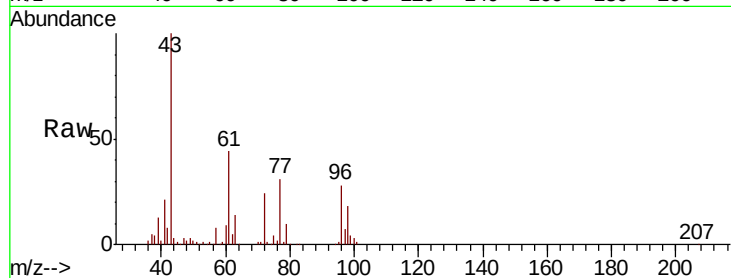
72 24.4 20.2 30.2

Manual Integrations

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MMDadoda

10/16/2019 12:48:55 AM



#26

2,2-Dichloropropane

Concen: 41.474 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058722.D

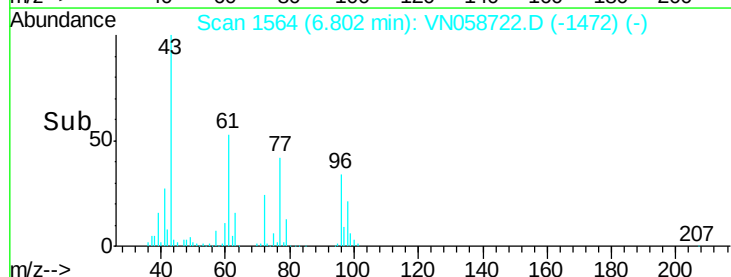
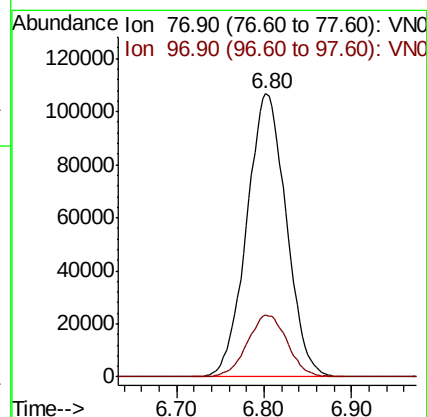
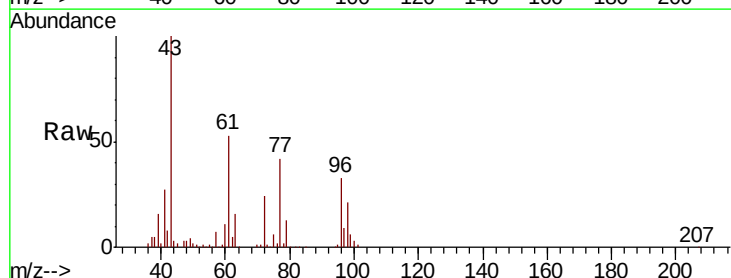
Acq: 11 Oct 2019 23:20

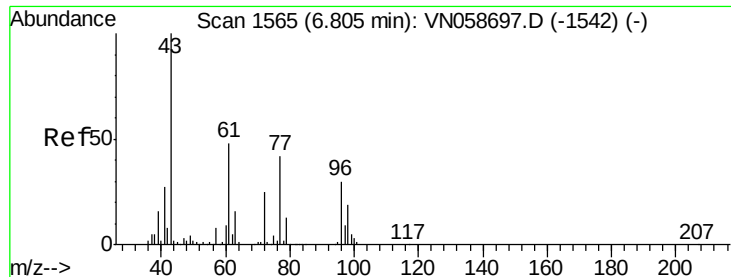
Tgt Ion: 77 Resp: 334492

Ion Ratio Lower Upper

77 100

97 22.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.541 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

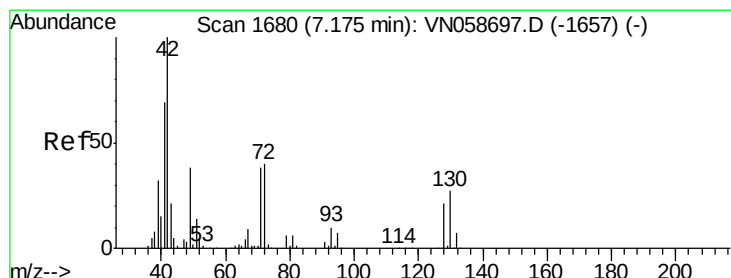
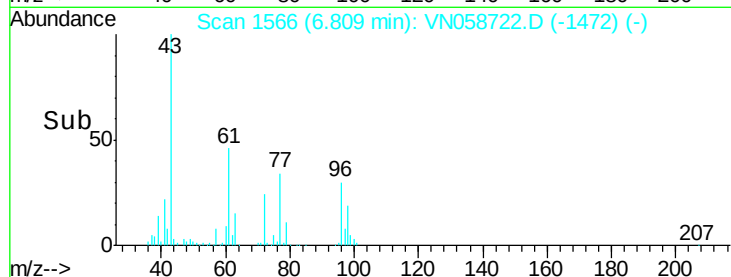
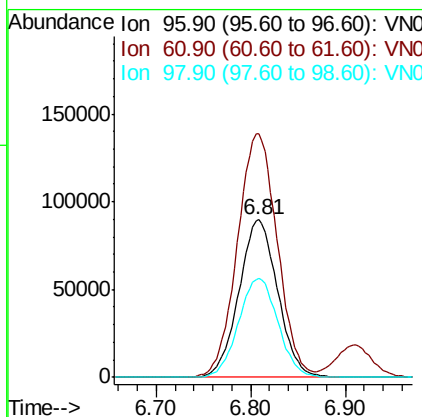
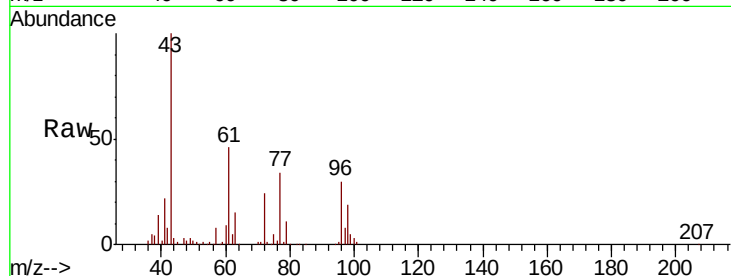
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	255483
Ion Ratio	Lower	Upper	
96	100		
61	159.0	0.0	324.8
98	64.0	0.0	129.2

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#28

Bromochloromethane

Concen: 51.203 ug/l

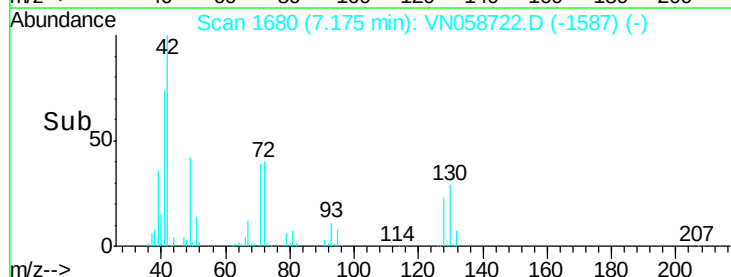
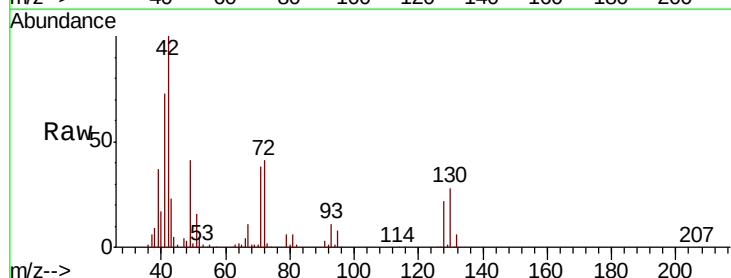
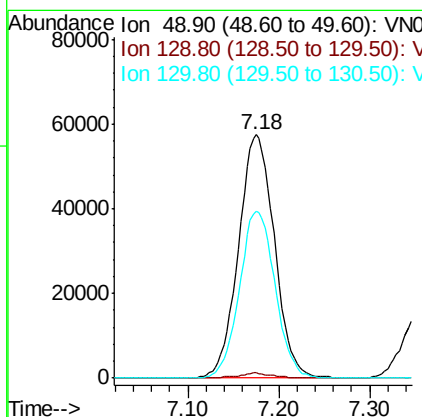
RT: 7.18 min Scan# 1680

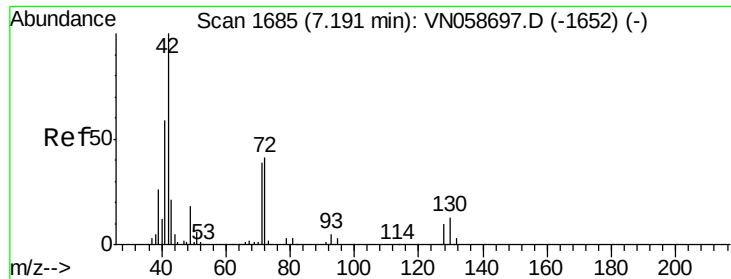
Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	49	Resp:	157383
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.6
130	67.9	55.0	82.4





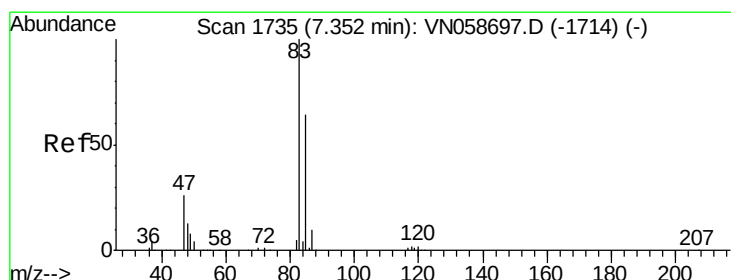
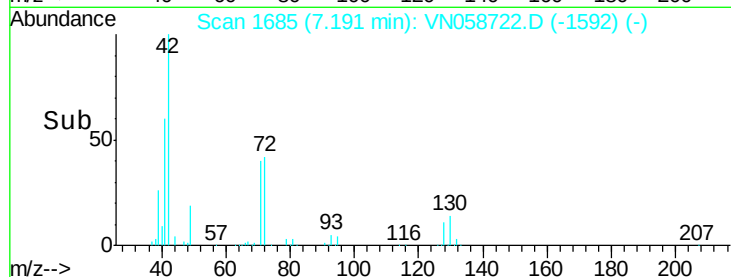
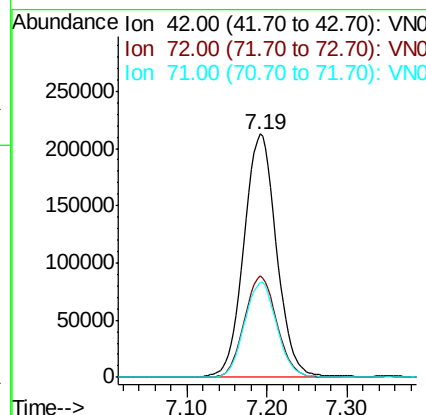
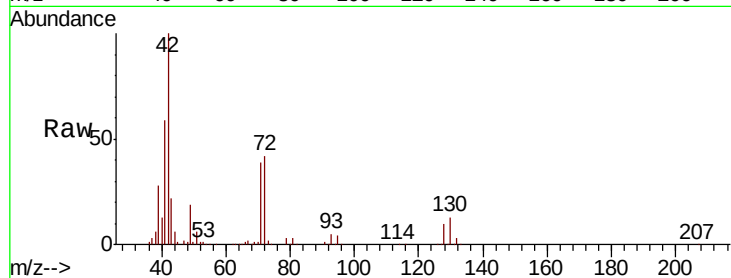
#29
Tetrahydrofuran
Concen: 262.963 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.8	49.2
71	38.9	31.1	46.7

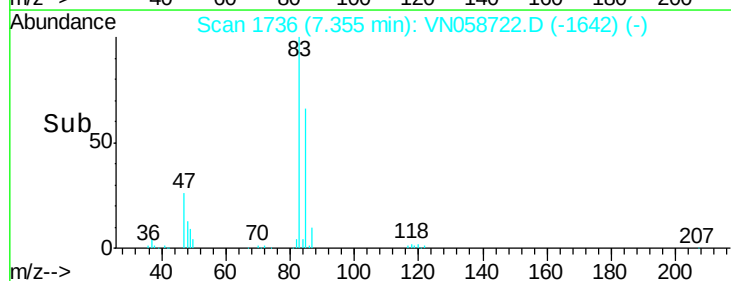
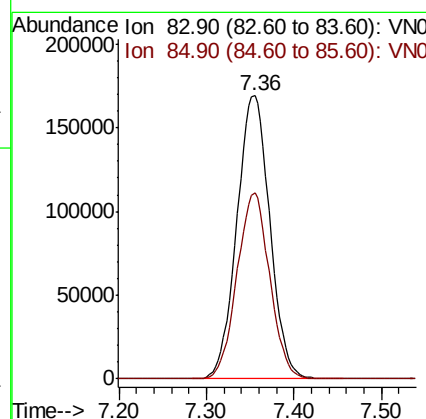
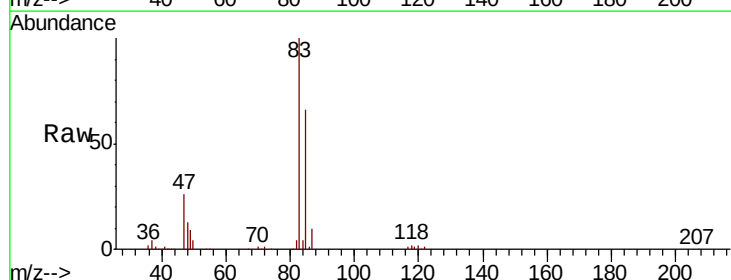
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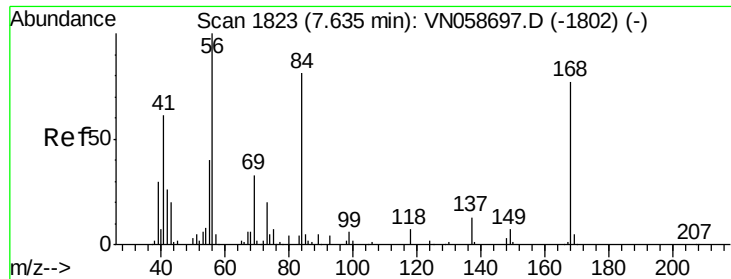
MMDadoda
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#30
Chloroform
Concen: 49.966 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.6





#31

Cyclohexane

Concen: 48.478 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

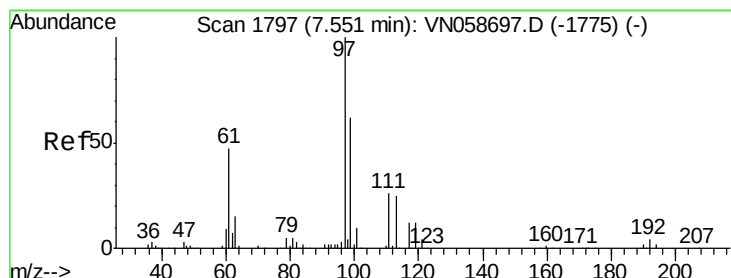
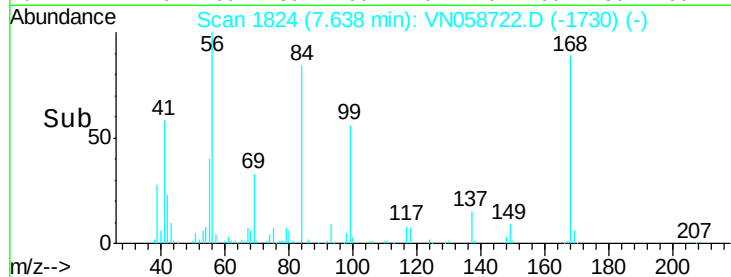
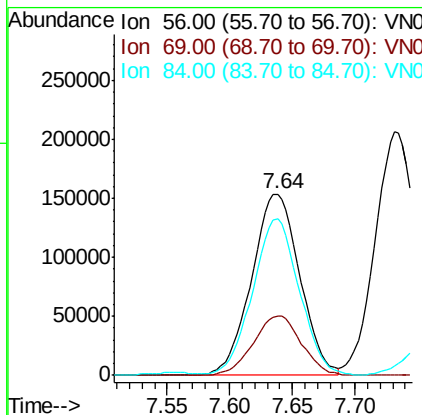
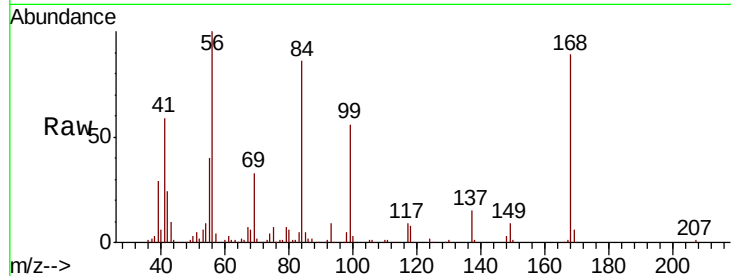
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	409813
Ion Ratio		Lower	Upper
56	100		
69	33.0	26.2	39.4
84	85.3	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.163 ug/l

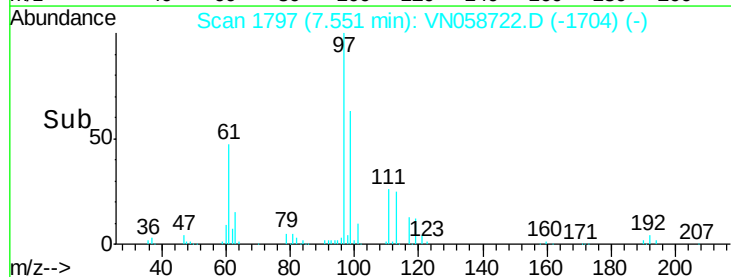
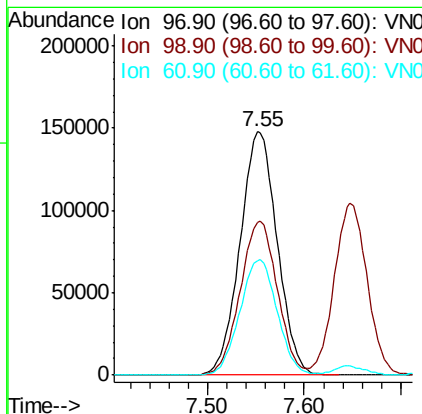
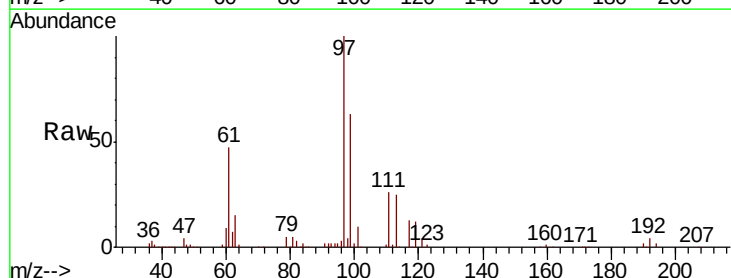
RT: 7.55 min Scan# 1797

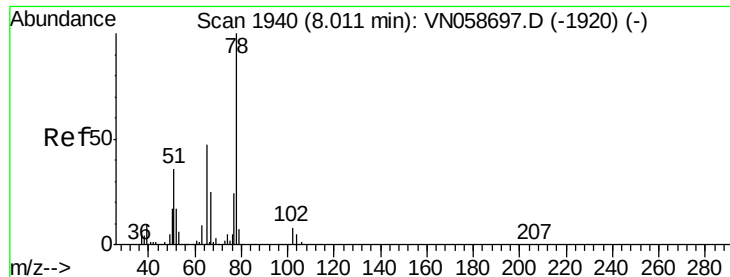
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	97	Resp:	394887
Ion Ratio		Lower	Upper
97	100		
99	63.3	50.8	76.2
61	47.8	38.1	57.1





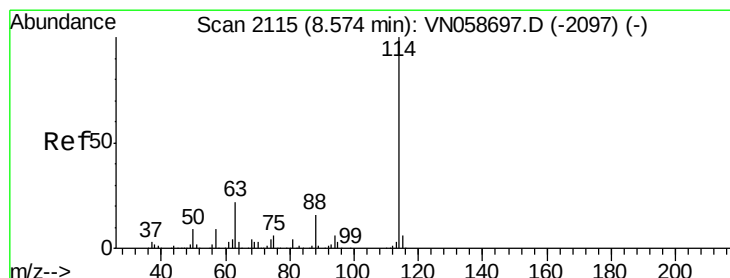
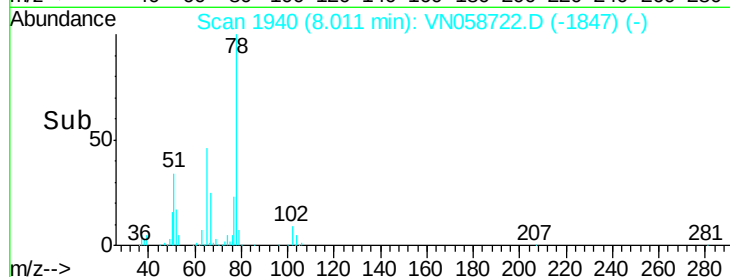
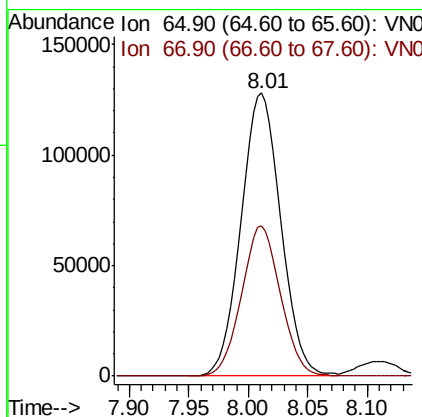
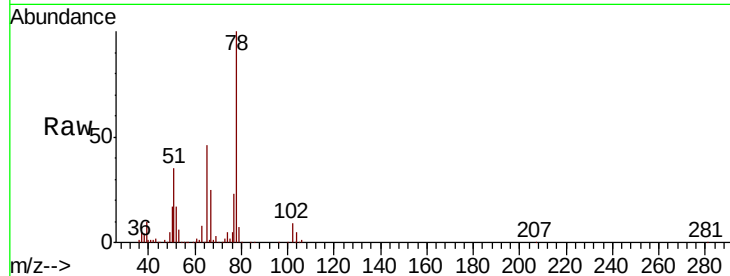
#33
 1,2-Dichloroethane-d4
 Concen: 51.468 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.8	

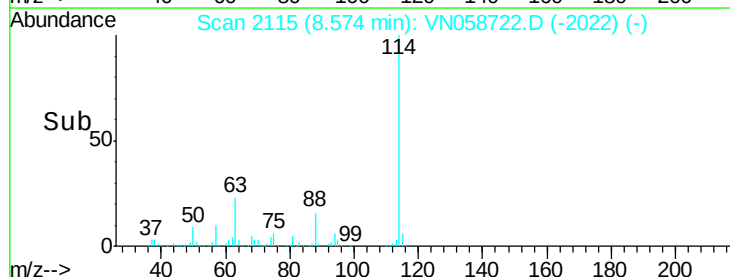
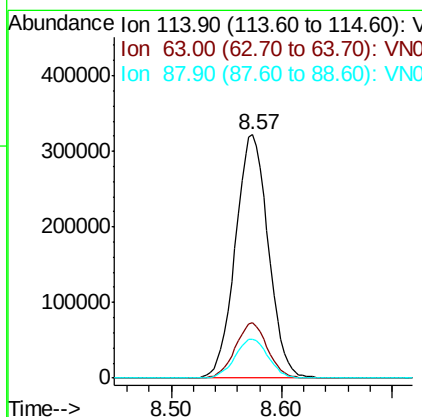
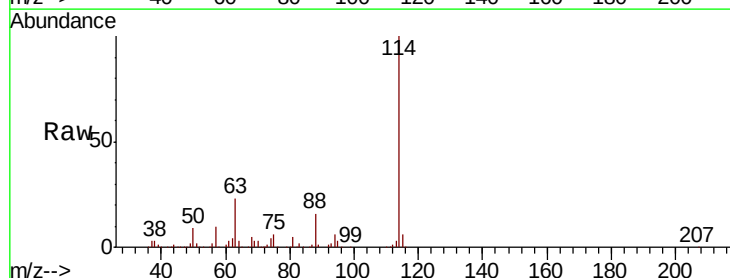
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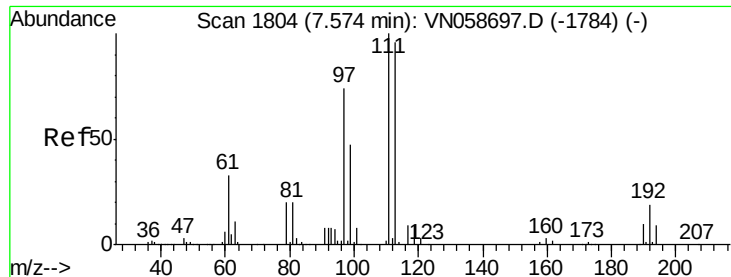
MMDadoda
 10/16/2019 12:48:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	43.8	
88	15.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.211 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

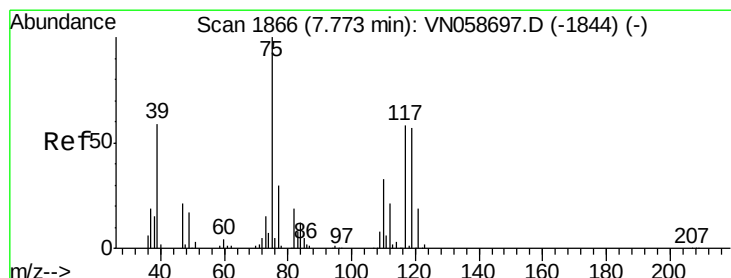
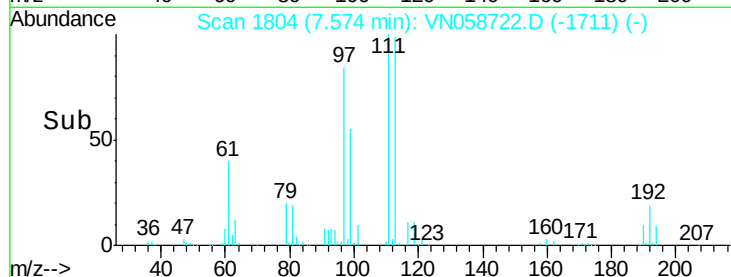
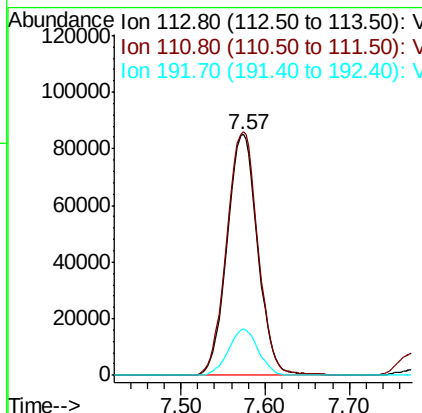
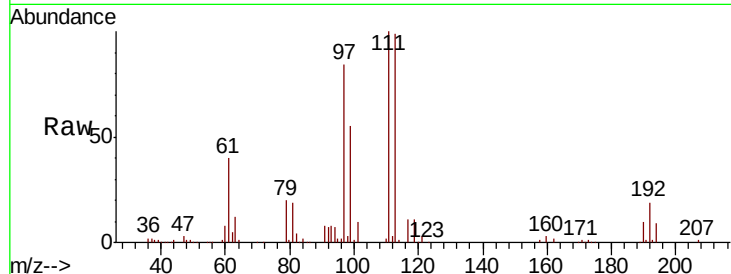
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	214638
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.3	123.5
192	18.9	15.0	22.6

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10/16/2019 12:48:55 AM



#36

1,1-Dichloropropene

Concen: 50.077 ug/l

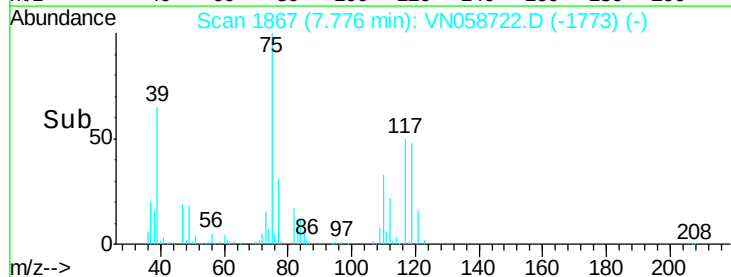
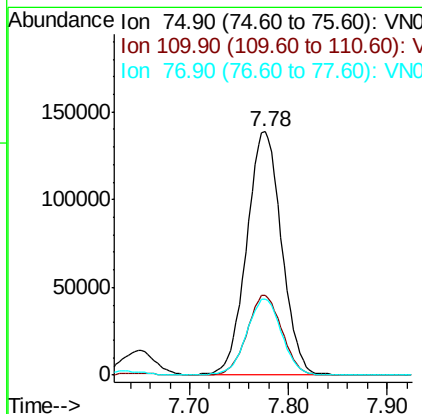
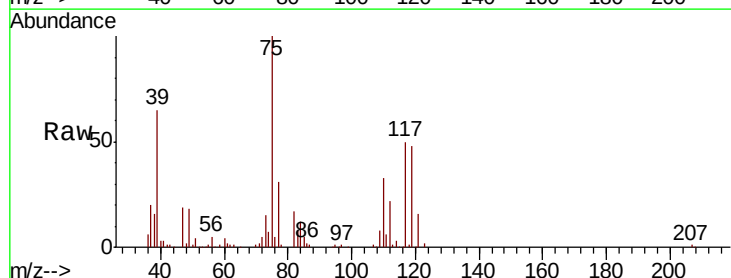
RT: 7.78 min Scan# 1867

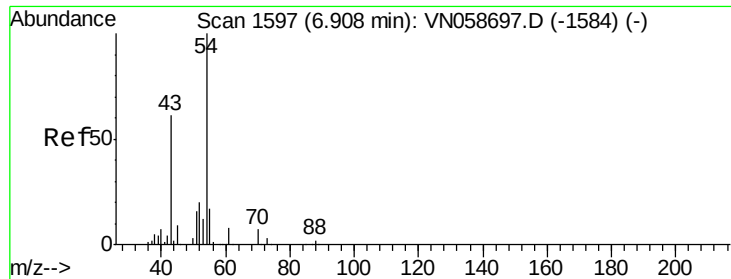
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	75	Resp:	336975
Ion Ratio	Lower	Upper	
75	100		
110	32.8	16.6	49.8
77	31.7	24.6	37.0





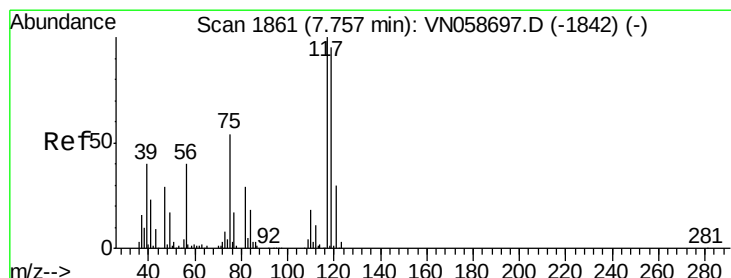
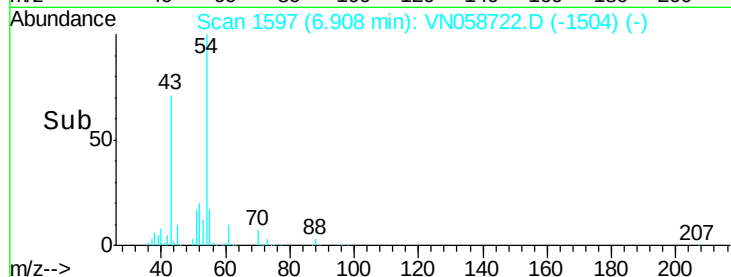
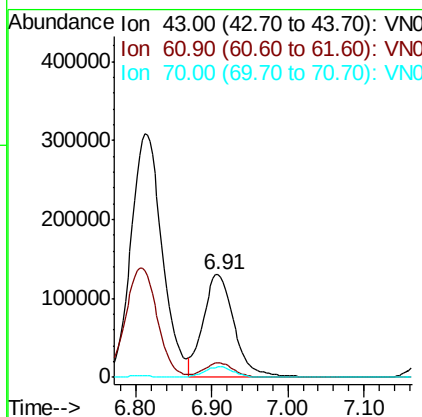
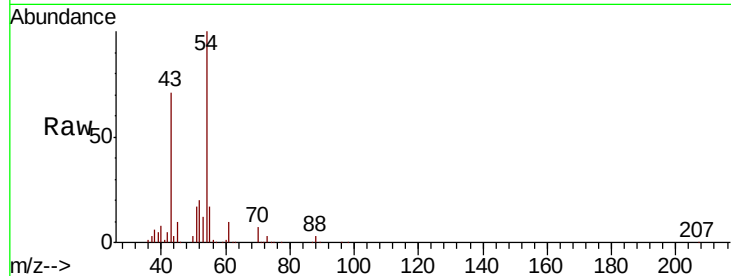
#37
Ethyl Acetate
Concen: 53.855 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	9.5	7.2	10.8

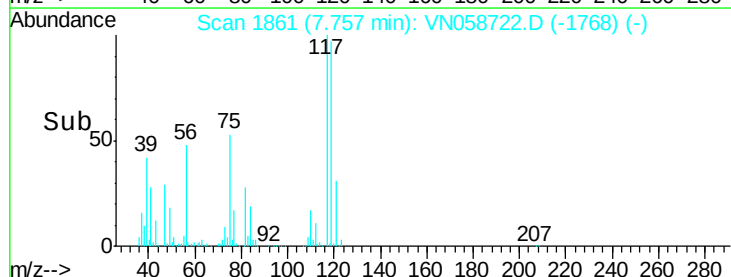
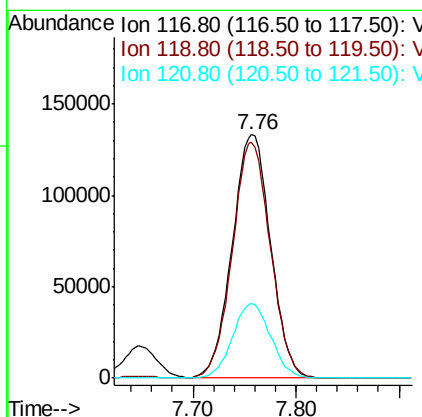
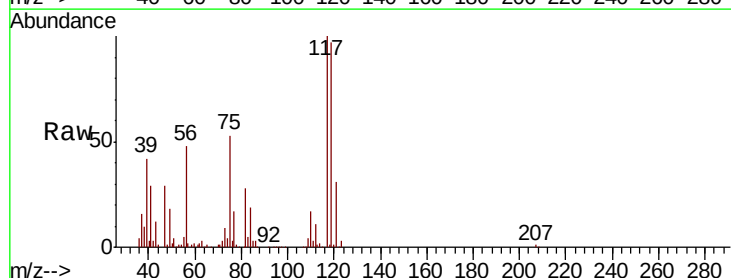
Manual Integrations
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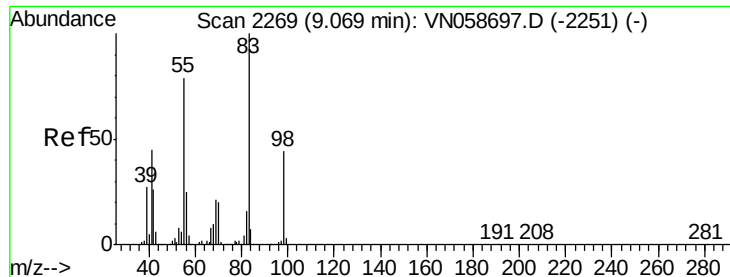
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.559 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.7	113.5
121	30.9	23.9	35.9





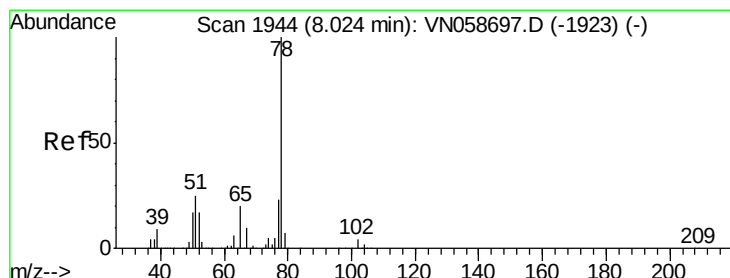
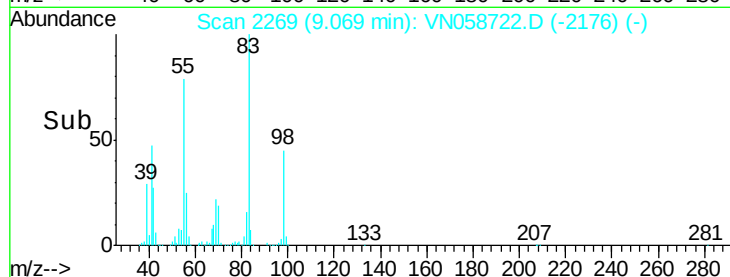
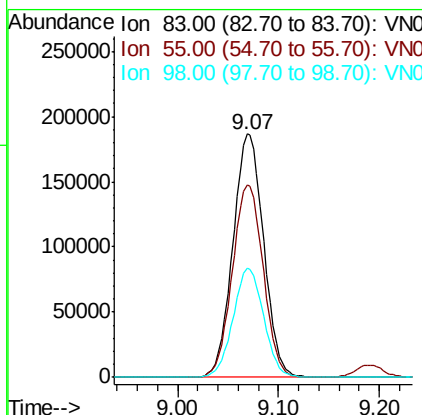
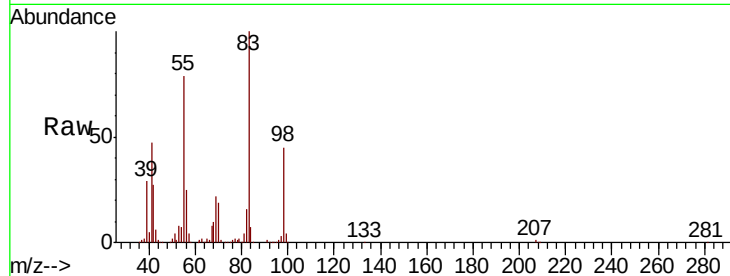
#39
Methylvlcyclohexane
Concen: 50.462 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	63.4	95.0
98	44.6	35.1	52.7

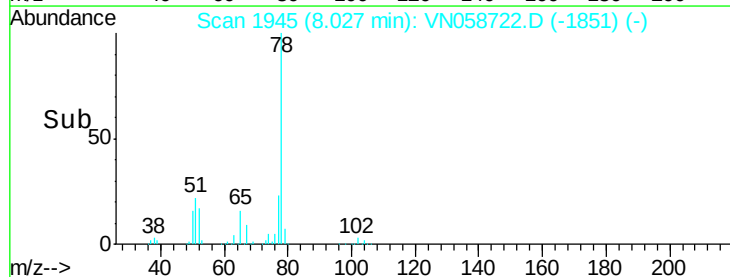
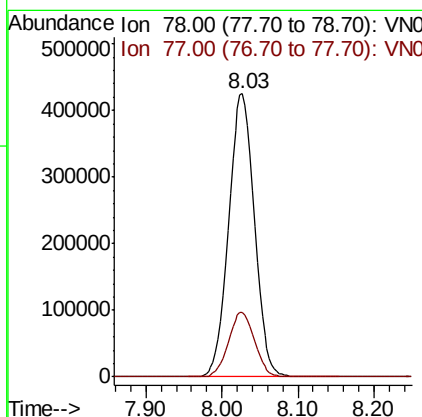
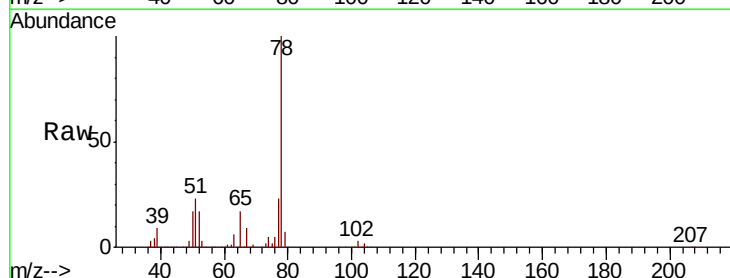
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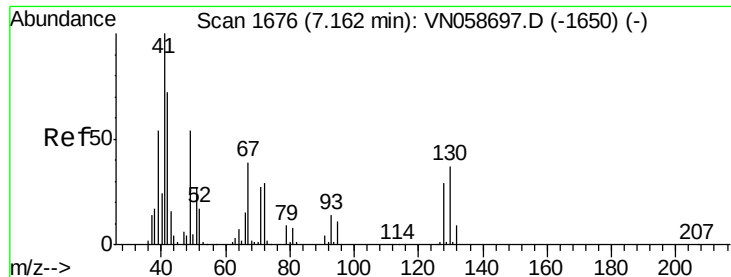
MMDadoda
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#40
Benzene
Concen: 51.639 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





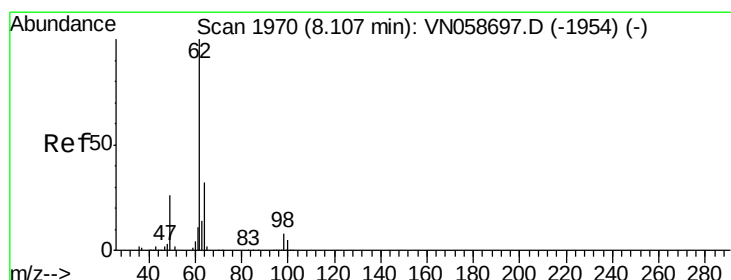
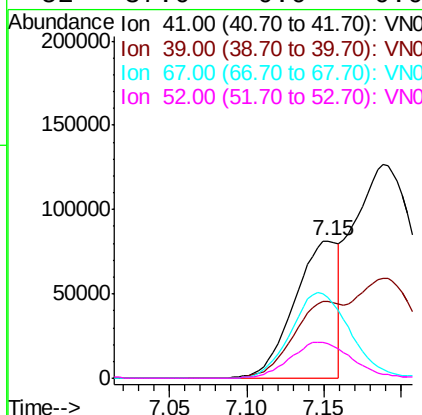
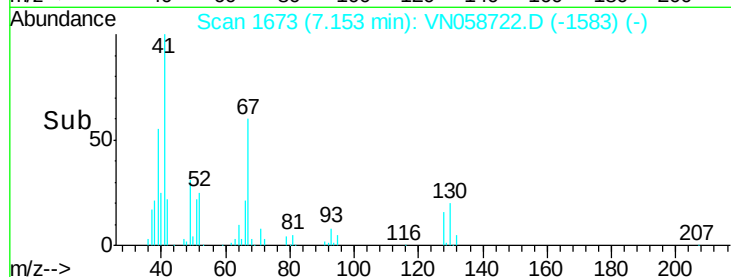
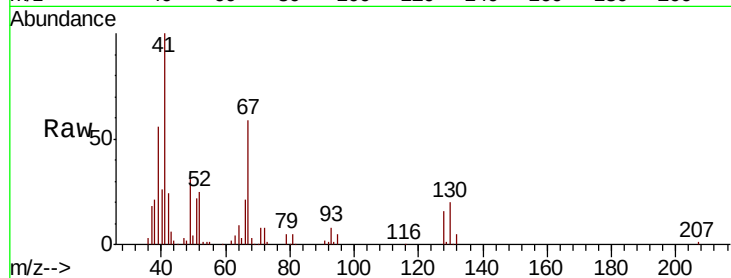
#41
Methacrylonitrile
Concen: 50.107 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.9	115.4	173.2#
67	85.3	0.0	0.0#
52	37.0	0.0	0.0#

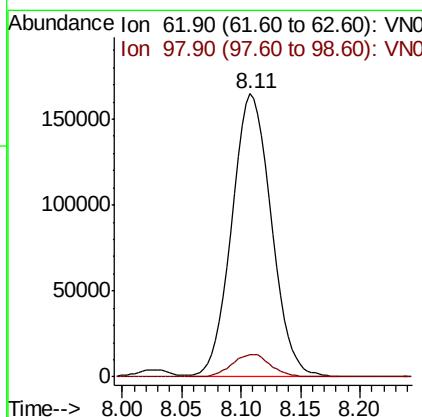
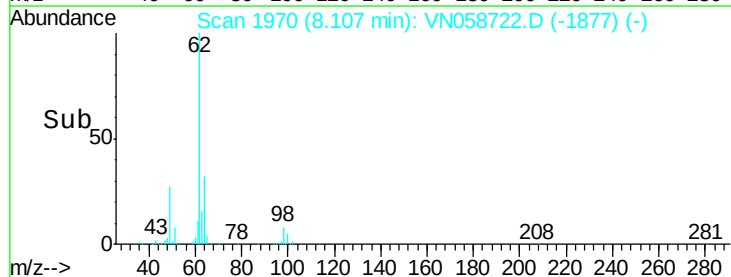
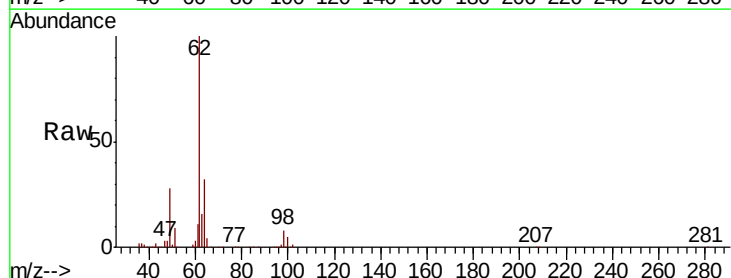
Manual Integrations
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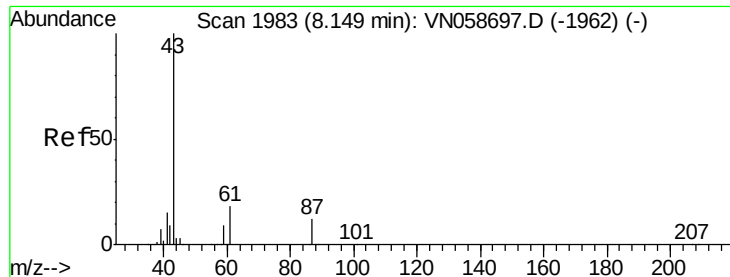
MMDadoda
10/16/2019 12:48:55 AM



#42
1,2-Dichloroethane
Concen: 50.957 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





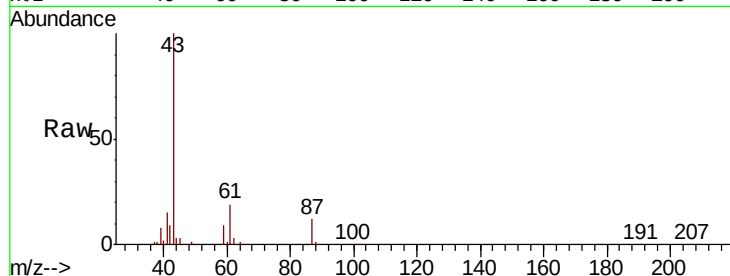
#43
Isopropyl Acetate
Concen: 51.434 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

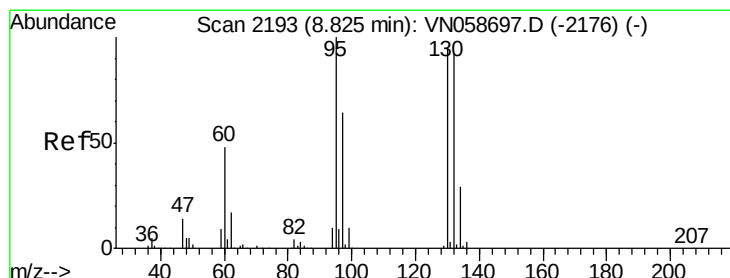
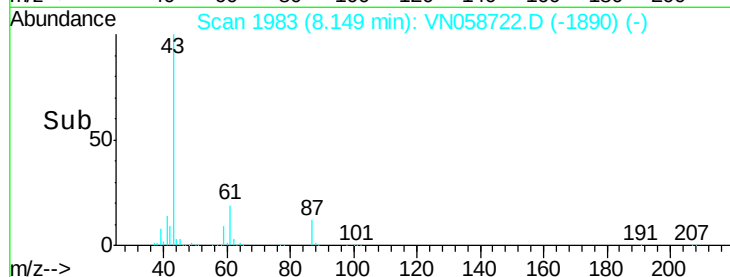
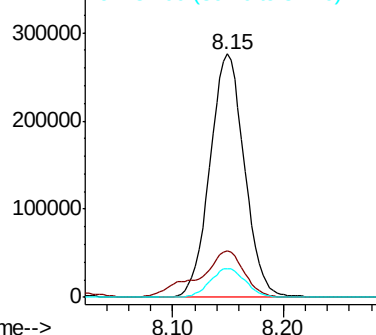
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.3	30.5
87	12.2	9.8	14.6

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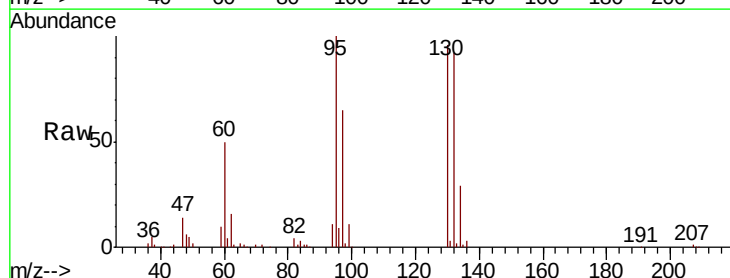


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)
Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)
Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)

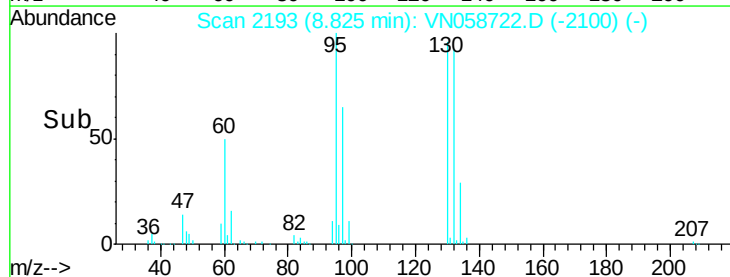
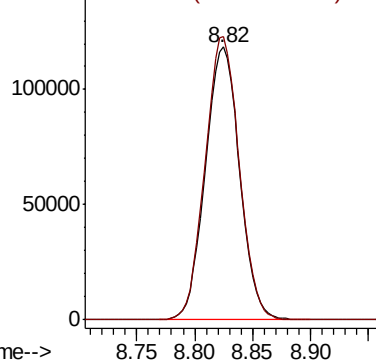


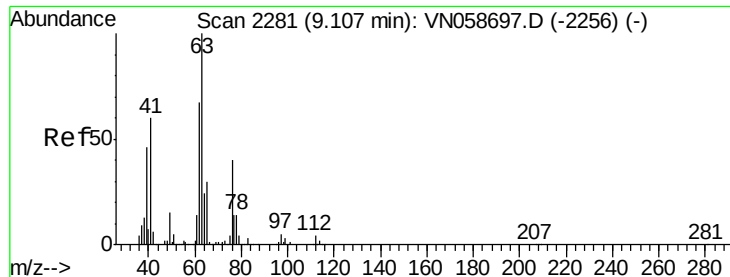
#44
Trichloroethene
Concen: 50.629 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)
Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)





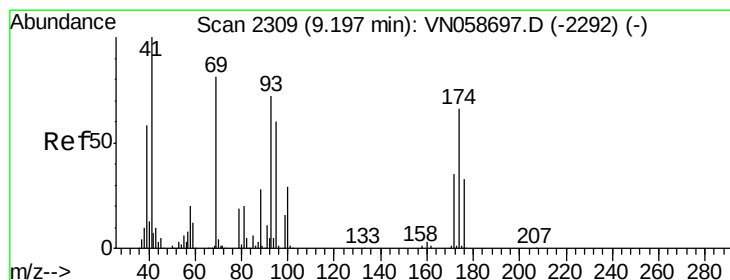
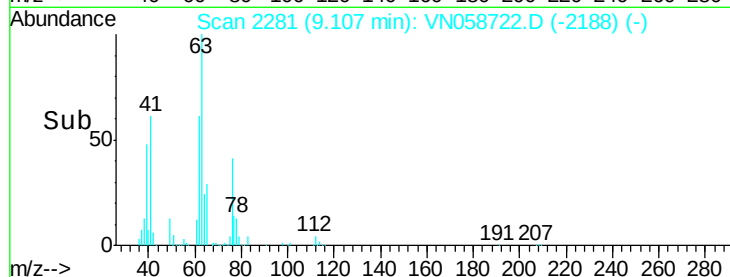
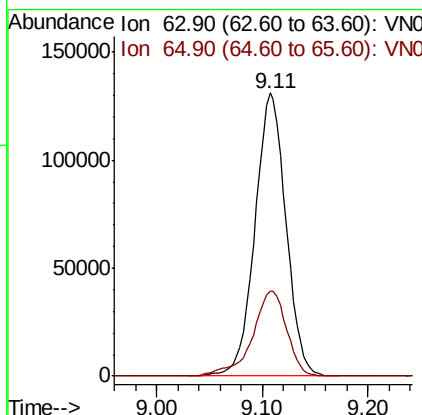
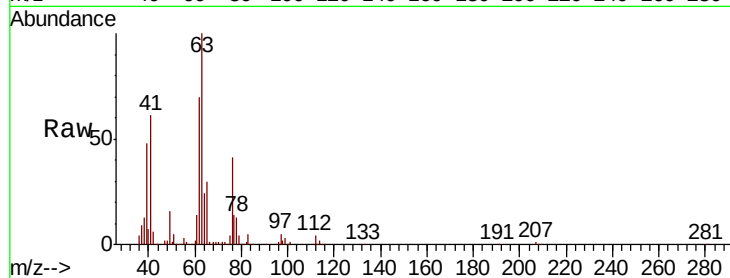
#45
 1,2-Dichloropropane
 Concen: 51.940 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1

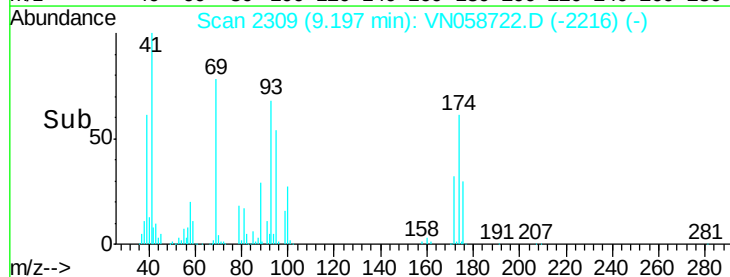
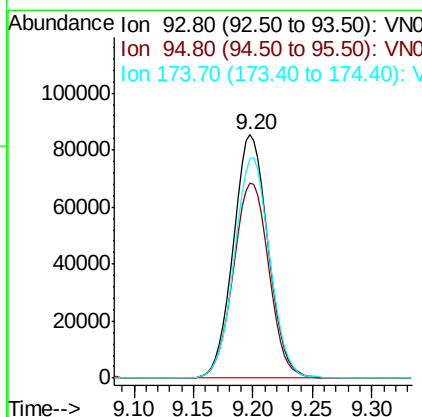
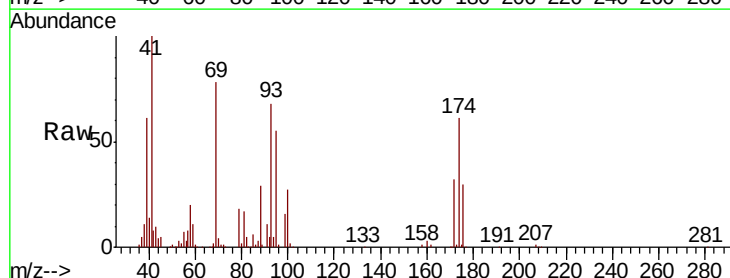
Manual Integrations
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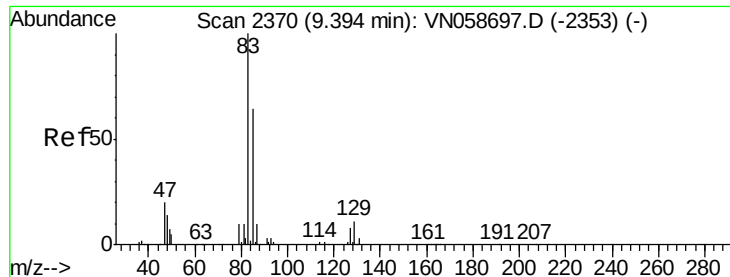
MMDadoda
 10/16/2019 12:48:55 AM



#46
 Dibromomethane
 Concen: 52.825 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.6	100.0
174	91.9	75.2	112.8





#47

Bromodichloromethane

Concen: 53.240 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

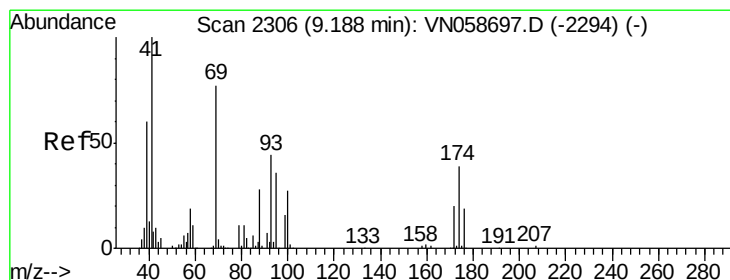
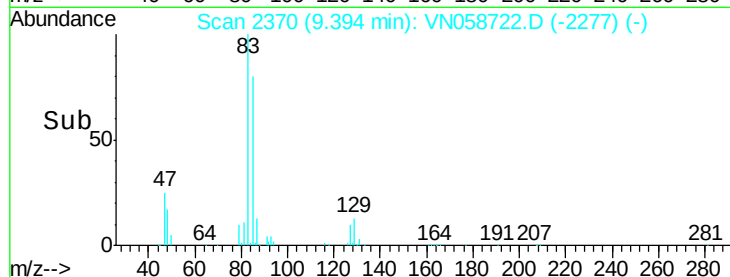
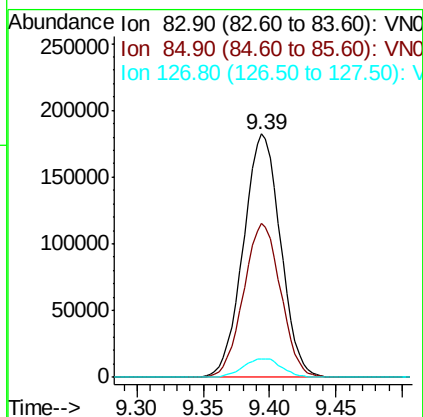
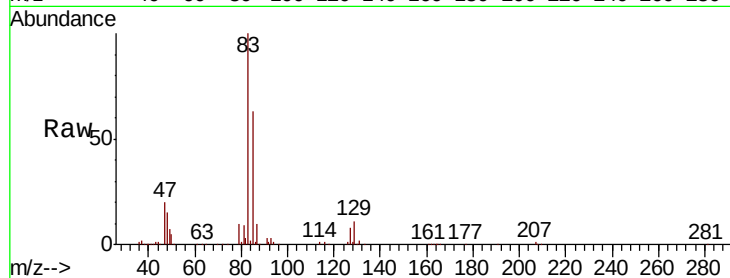
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	355612
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.9	76.3
127	7.6	6.3	9.5

Manual Integrations
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MMDadoda
10/16/2019 12:48:55 AM



#48

Methyl methacrylate

Concen: 52.731 ug/l

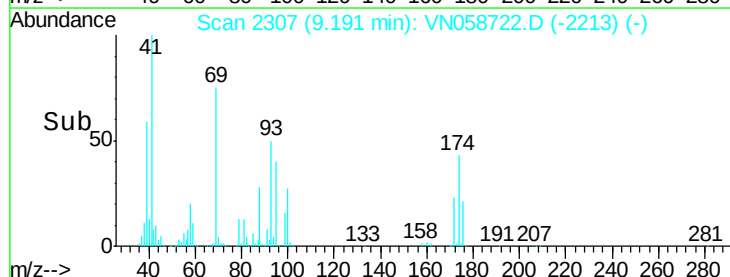
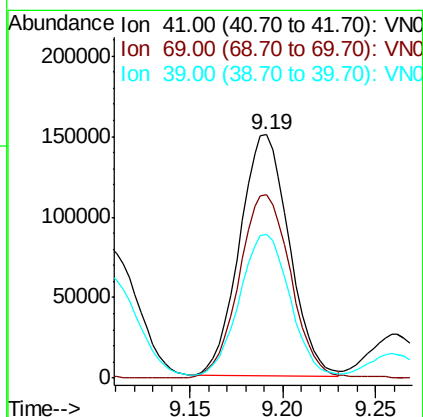
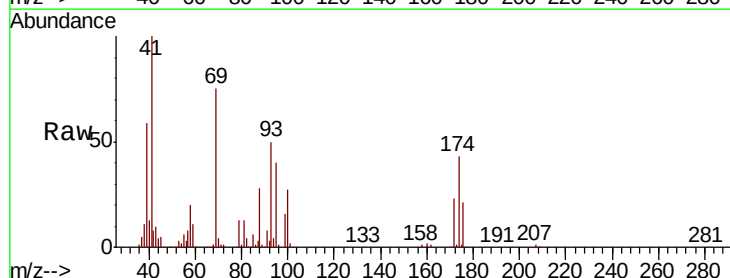
RT: 9.19 min Scan# 2307

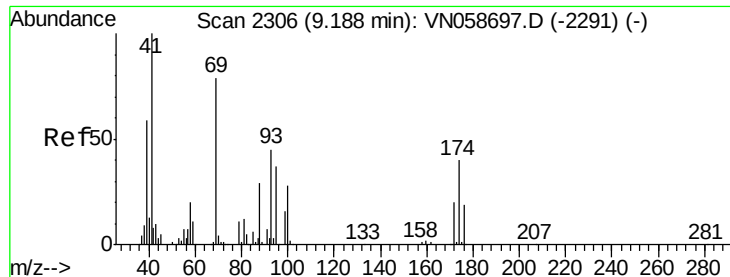
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	41	Resp:	277112
Ion	Ratio	Lower	Upper
41	100		
69	79.7	63.4	95.2
39	61.3	48.9	73.3





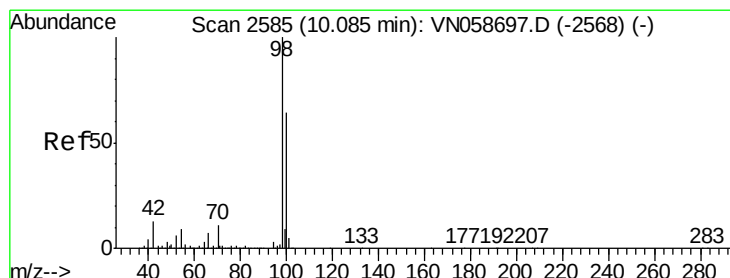
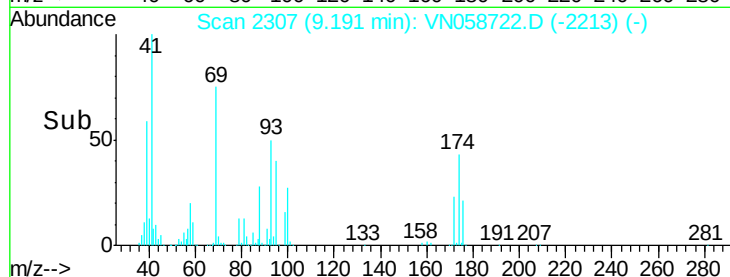
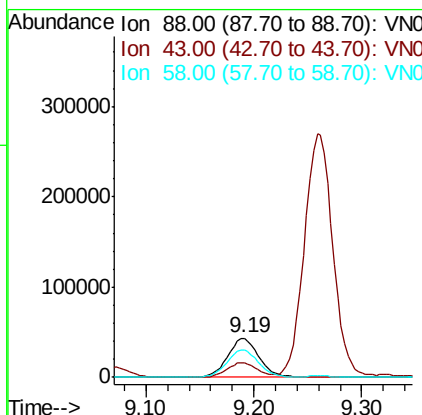
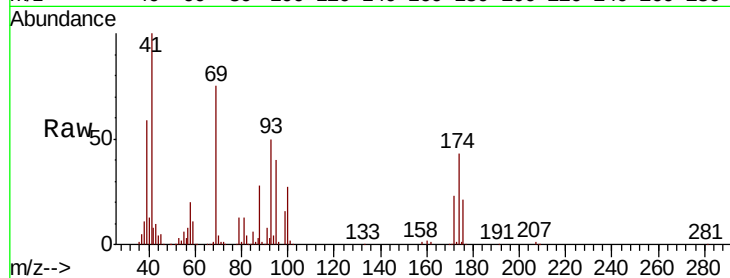
#49
1,4-Dioxane
Concen: 1079.571 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	43.0
58	71.6	57.2	85.8

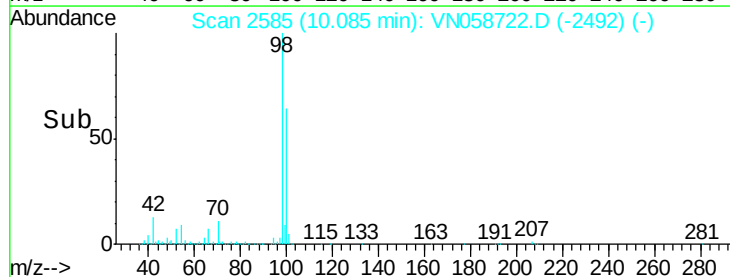
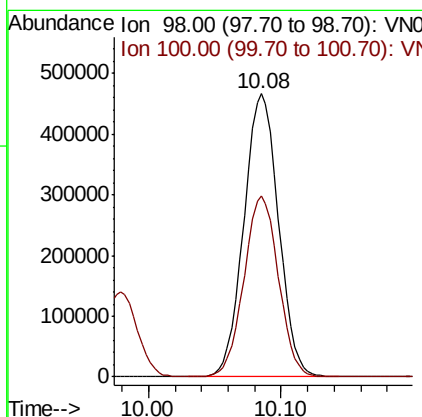
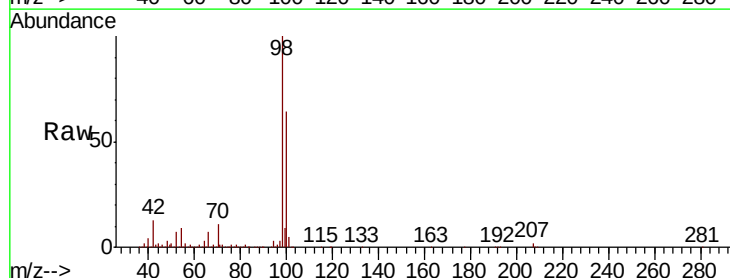
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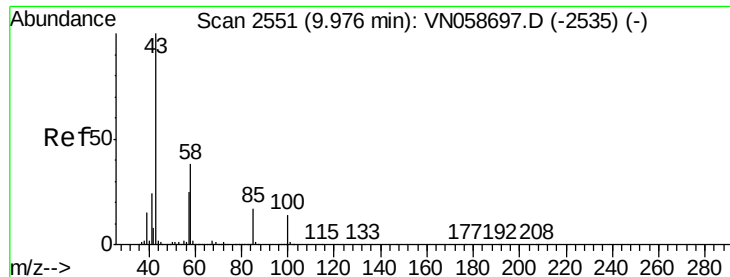
MMDadoda
10/16/2019 12:48:55 AM



#50
Toluene-d8
Concen: 51.613 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 284.749 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1853989

Ion Ratio Lower Upper

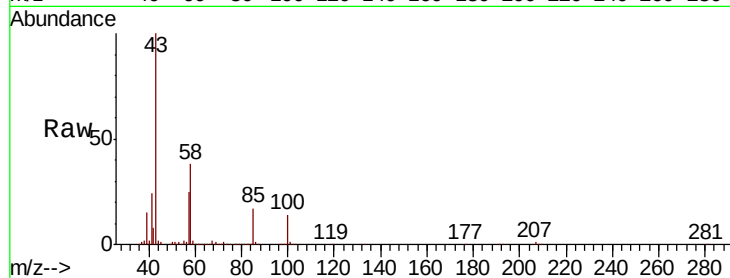
43 100

58 37.4 30.3 45.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

1200000

1000000

800000

600000

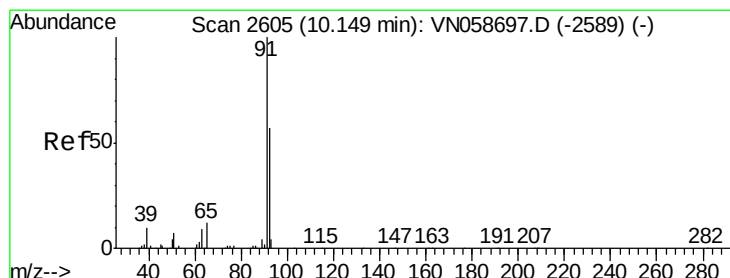
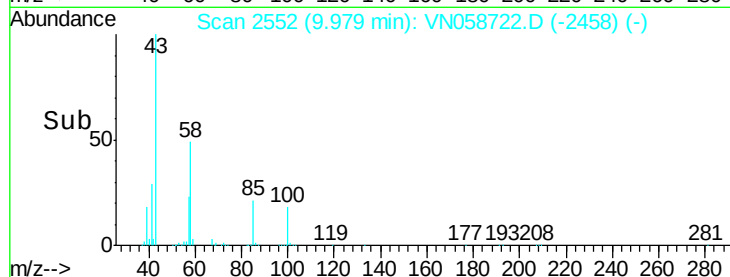
400000

200000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 52.037 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058722.D

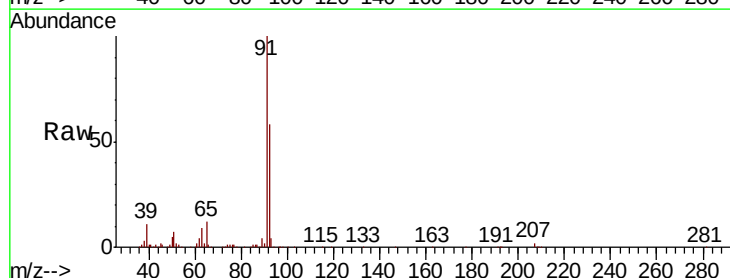
Acq: 11 Oct 2019 23:20

Tgt Ion: 92 Resp: 615089

Ion Ratio Lower Upper

92 100

91 174.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

600000

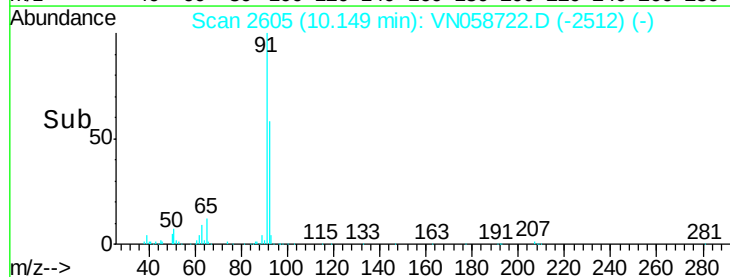
400000

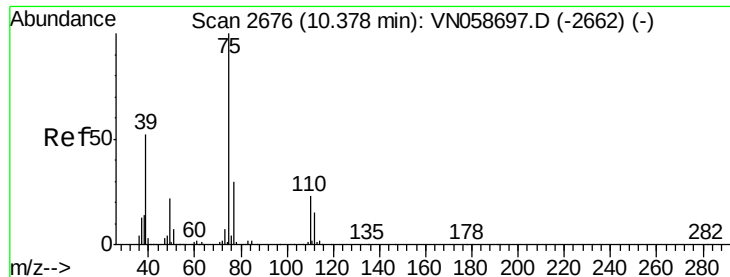
200000

0

10.10 10.15 10.20

Time-->





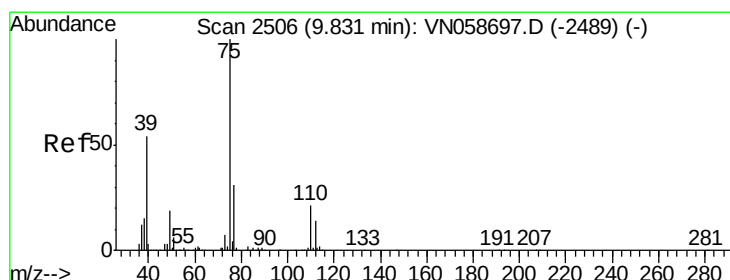
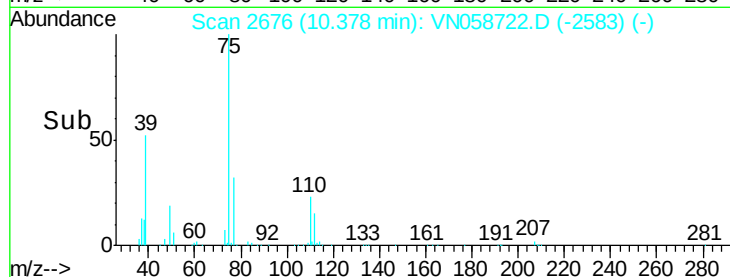
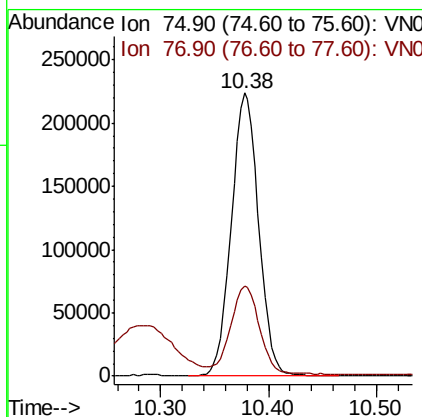
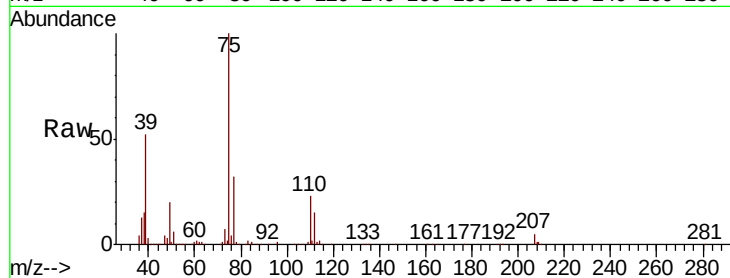
#53
t-1,3-Dichloropropene
Concen: 51.118 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.4

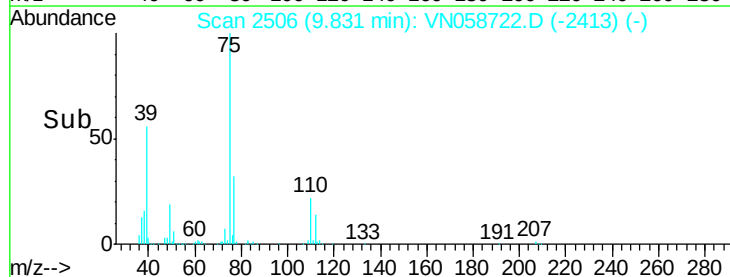
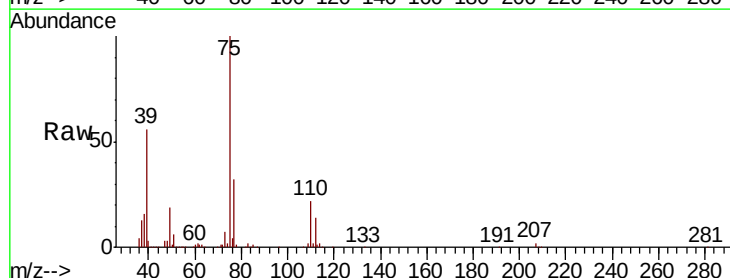
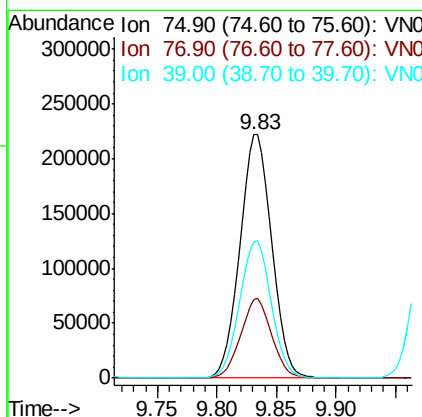
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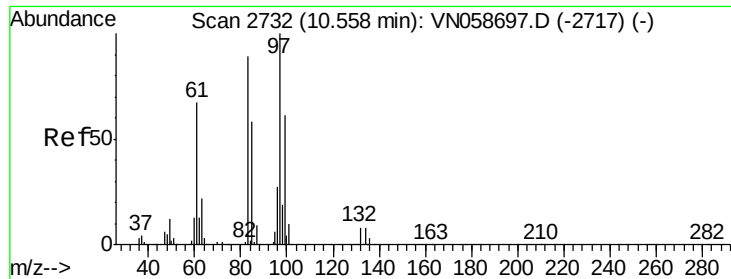
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.601 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.4	36.6
39	56.1	43.1	64.7





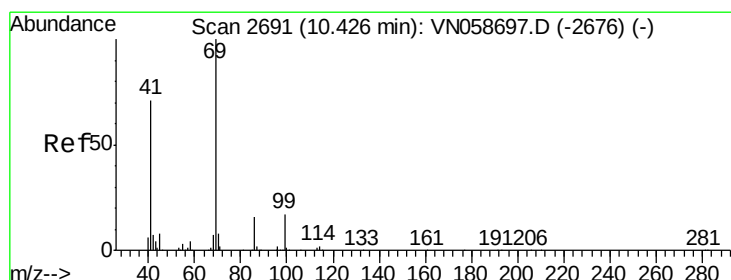
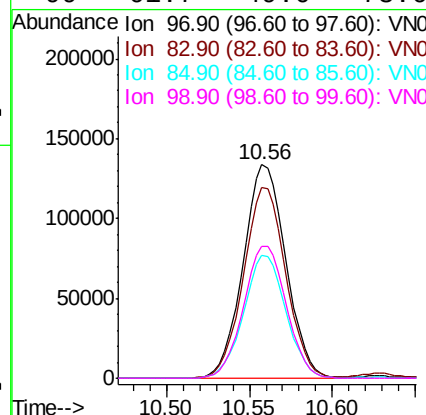
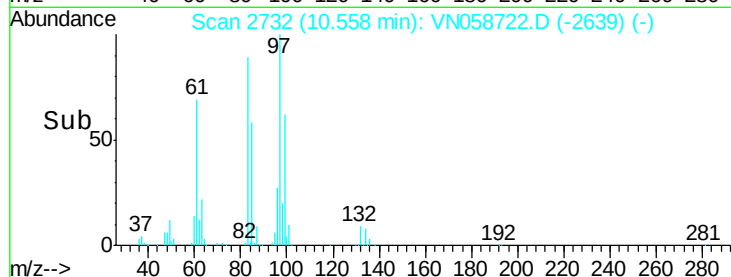
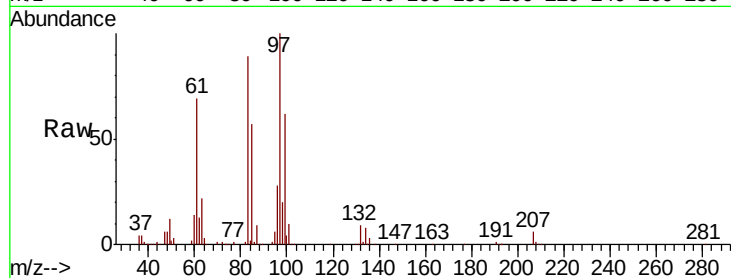
#55
 1,1,2-Trichloroethane
 Concen: 49.438 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	239176
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.2	106.8
85	57.4	46.7	70.1
99	61.7	49.0	73.6

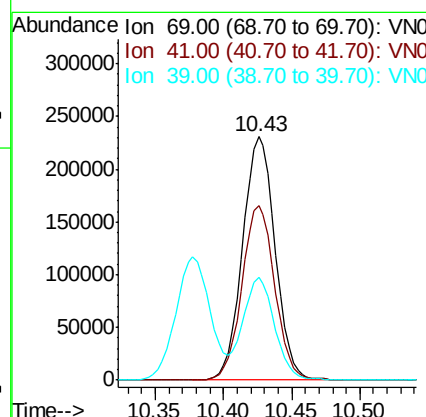
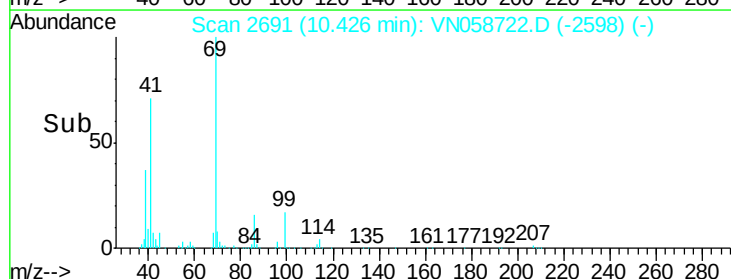
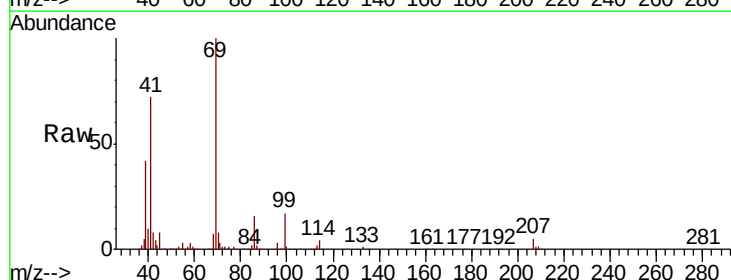
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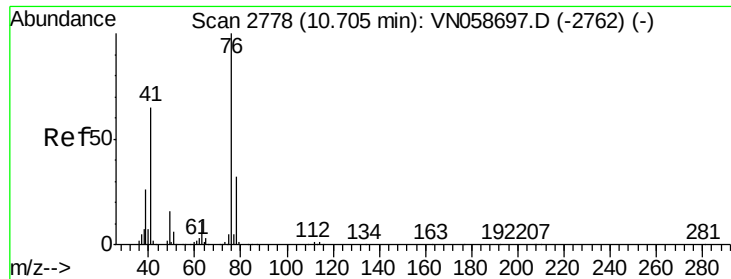
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 10/16/2019 12:48:55 AM



#56
 Ethyl methacrylate
 Concen: 54.018 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion:	69	Resp:	381793
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.8	85.2
39	40.7	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.702 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 426239

Ion Ratio Lower Upper

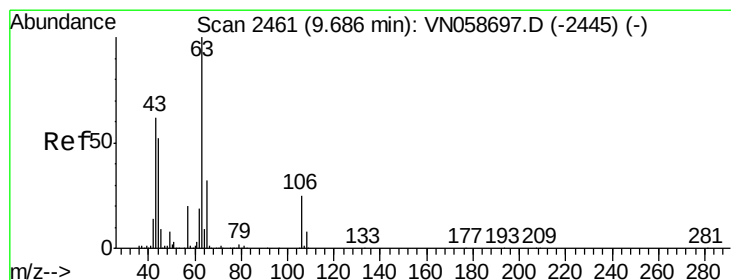
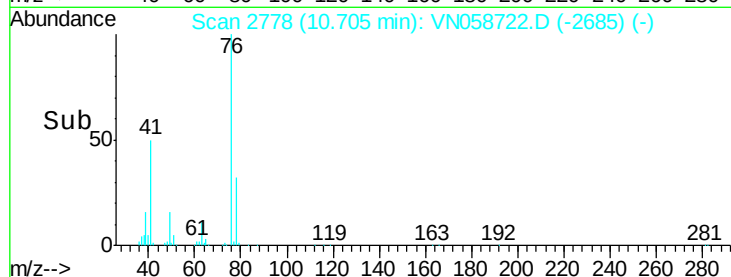
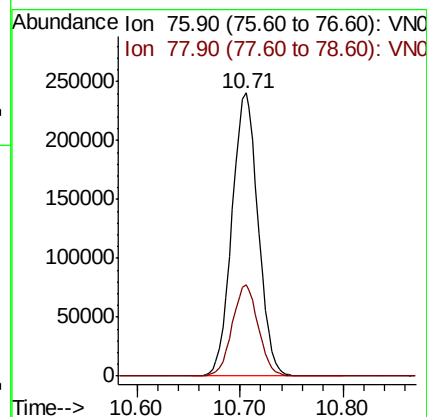
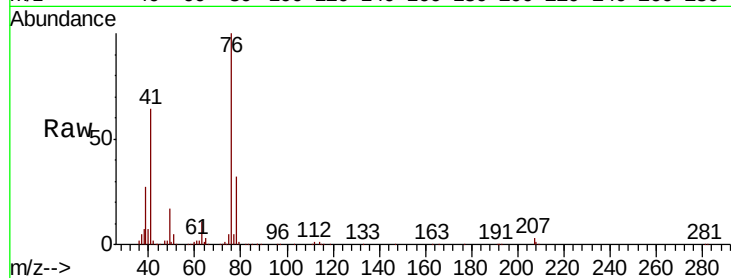
76 100

78 32.1 25.9 38.9

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 272.993 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058722.D

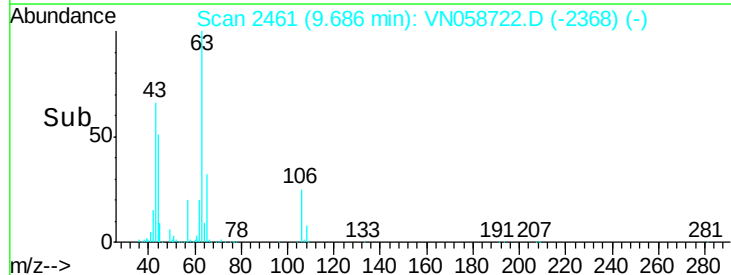
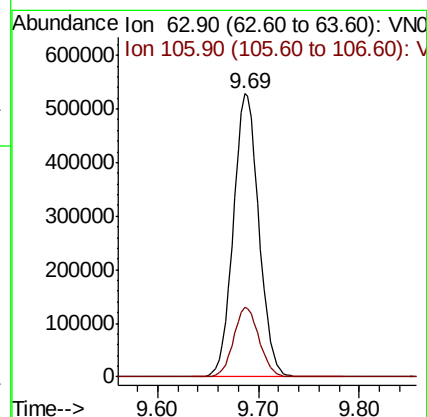
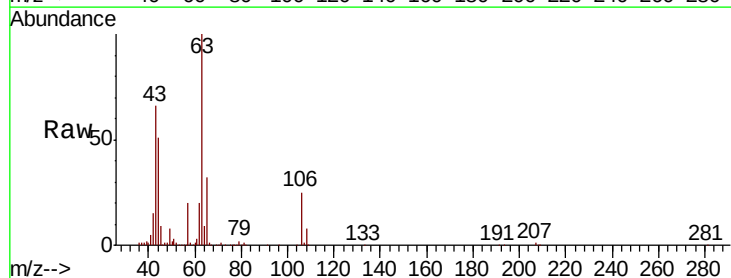
Acq: 11 Oct 2019 23:20

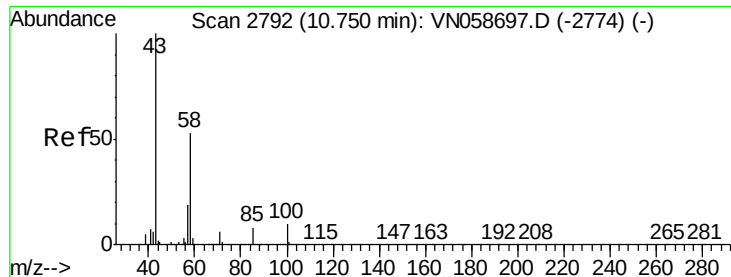
Tgt Ion: 63 Resp: 929856

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0





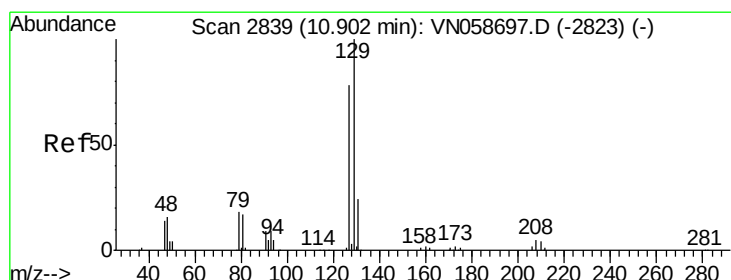
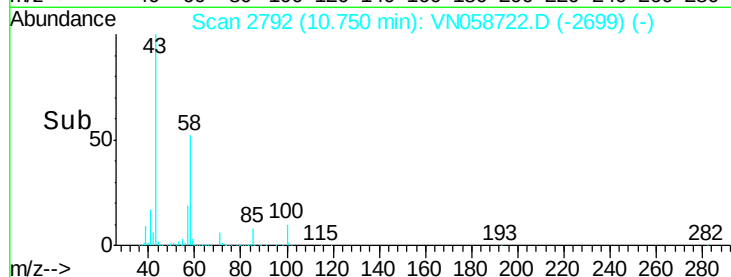
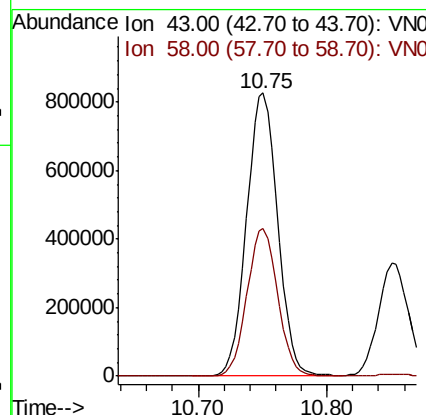
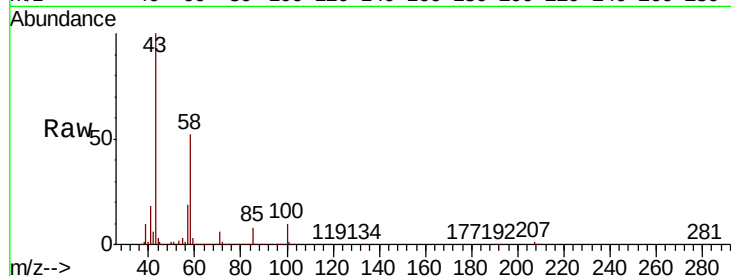
#59
2-Hexanone
Concen: 275.710 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1387287
Ion Ratio Lower Upper
43 100
58 51.8 26.1 78.3

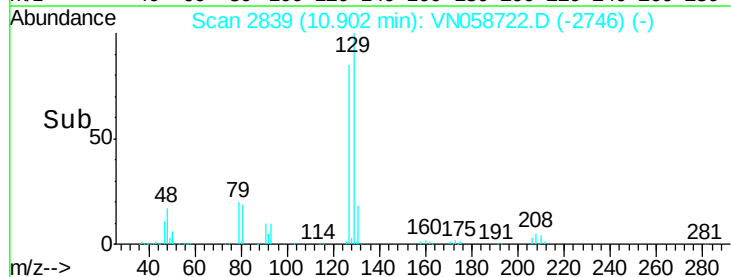
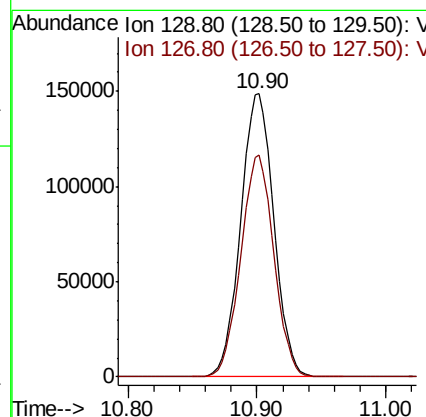
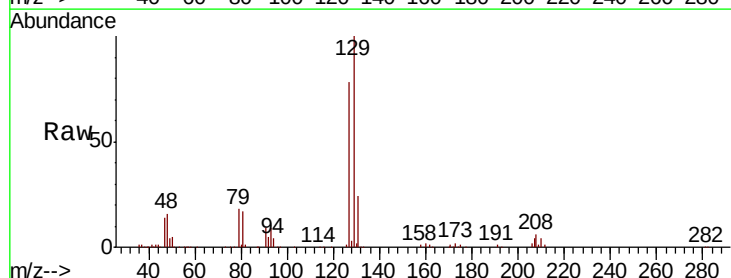
Manual Integrations
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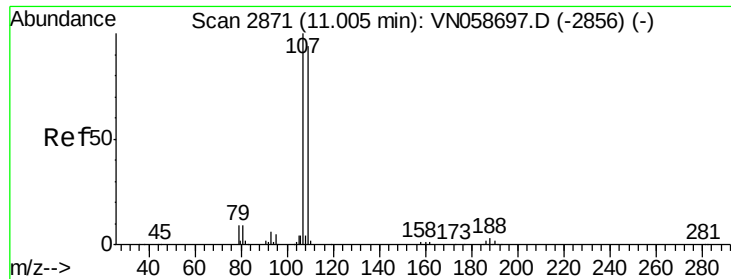
MMDadoda
10/16/2019 12:48:55 AM



#60
Dibromochloromethane
Concen: 53.287 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion: 129 Resp: 265937
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.3





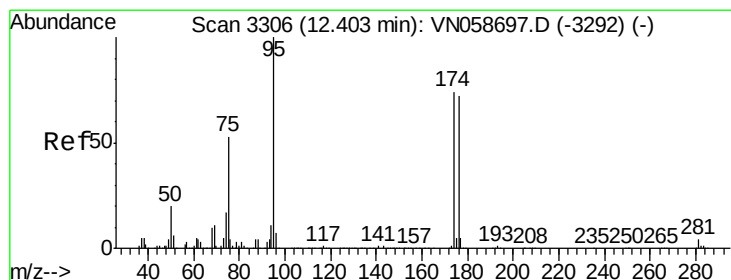
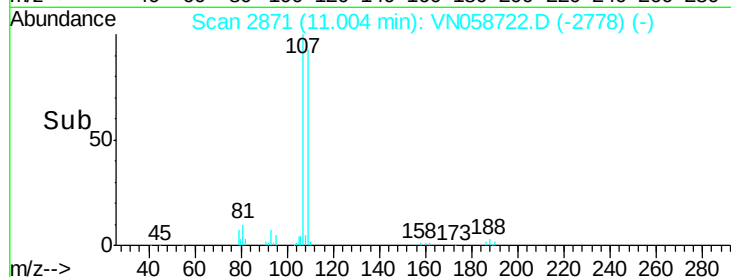
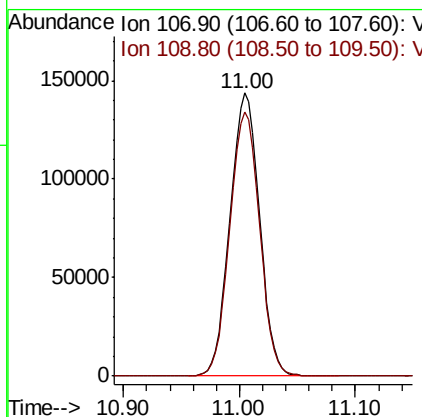
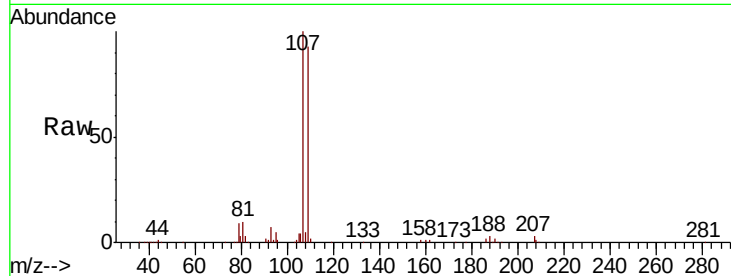
#61
 1,2-Dibromoethane
 Concen: 52.101 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	252522		
109	94.2	75.4	113.0	

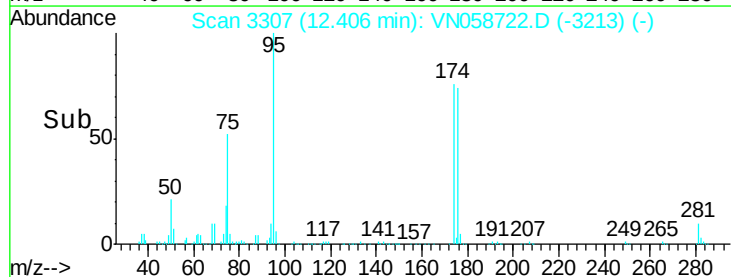
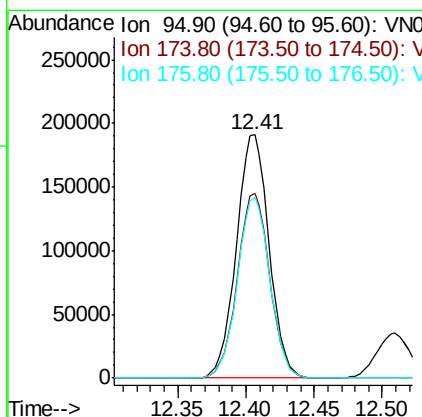
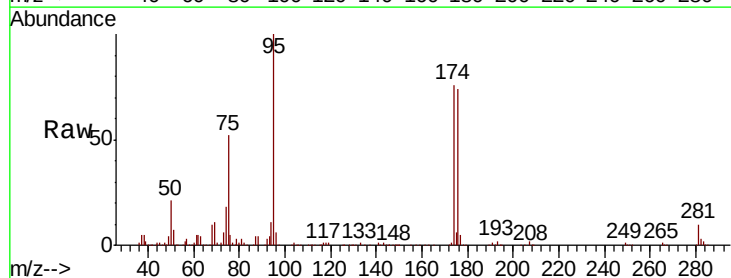
Manual Integrations
 APPROVED

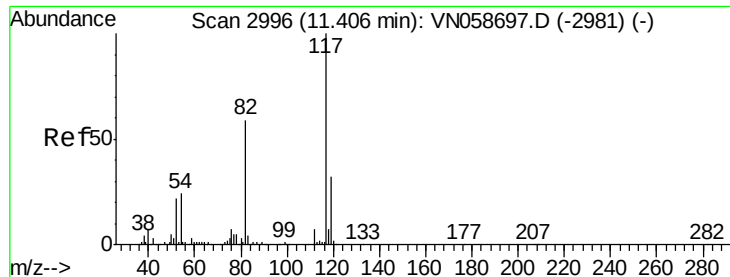
MMDadoda
 10/16/2019 12:48:55 AM



#62
 4-Bromofluorobenzene
 Concen: 50.977 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	317211		
174	75.5	0.0	150.4	
176	73.8	0.0	146.8	





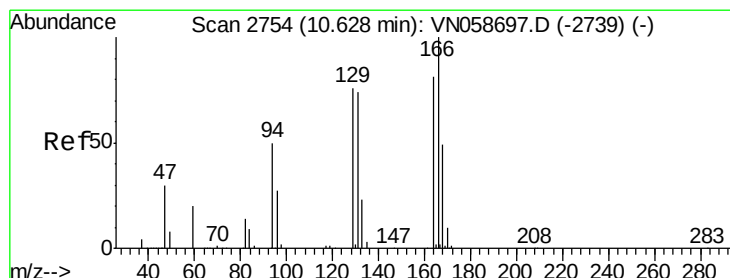
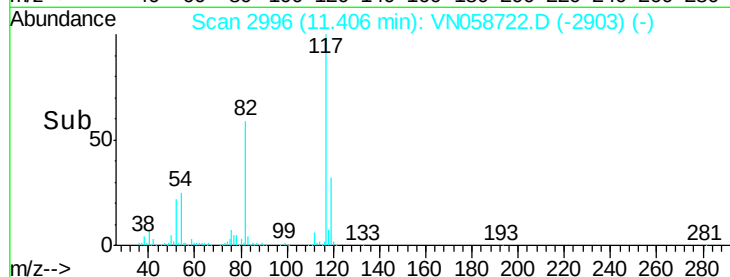
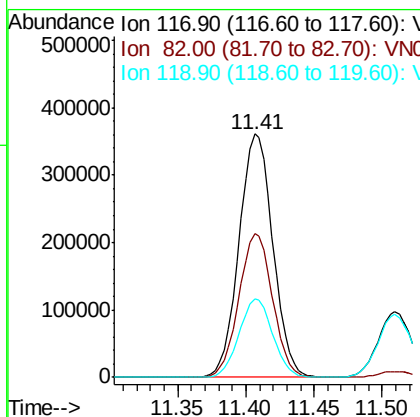
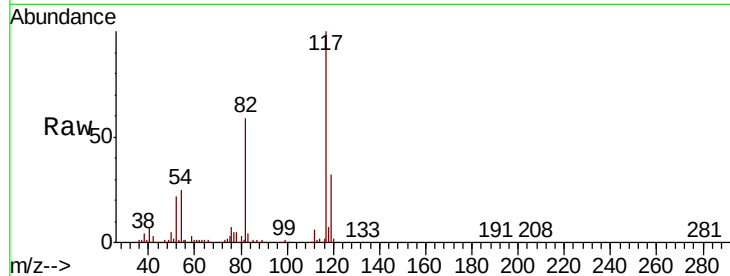
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	622672		
82	59.3		47.0	70.4
119	32.0		25.4	38.2

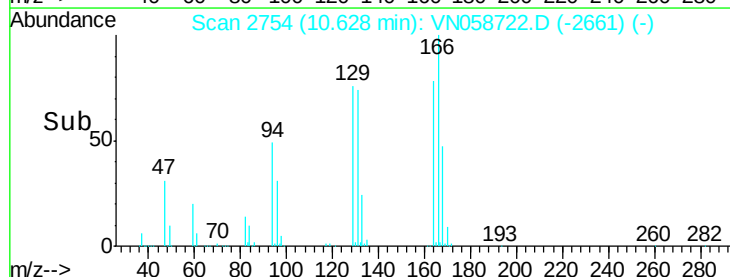
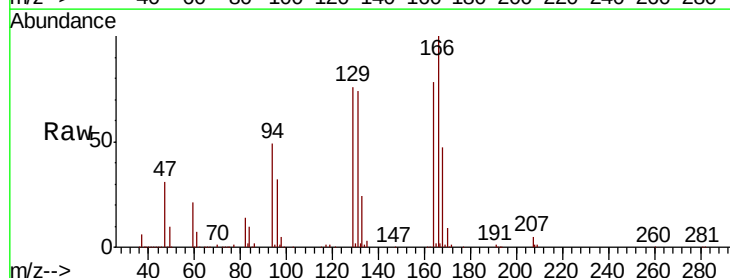
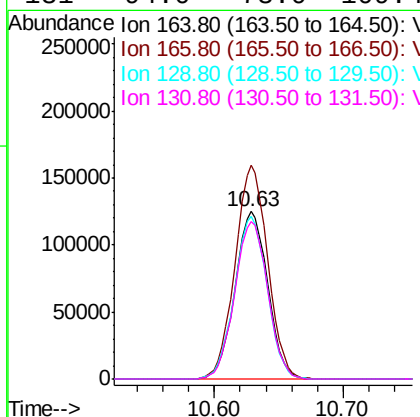
Manual Integrations
APPROVED

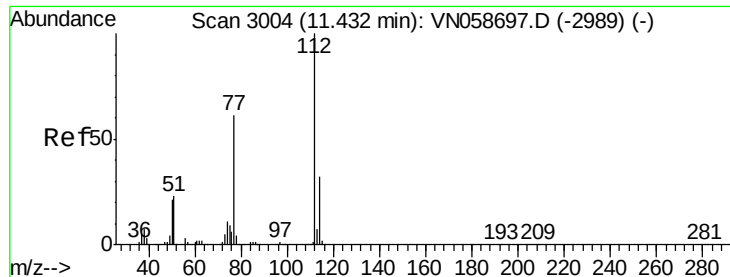
MMDadoda
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#64
Tetrachloroethene
Concen: 50.471 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219935		
166	127.5		99.3	148.9
129	97.2		75.2	112.8
131	94.0		73.0	109.4





#65

Chlorobenzene

Concen: 50.815 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 642570

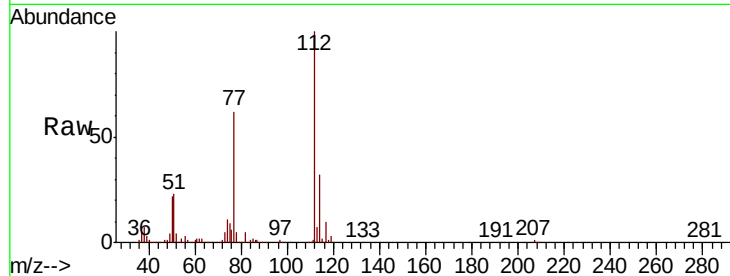
Ion Ratio Lower Upper

112 100

114 31.6 25.2 37.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

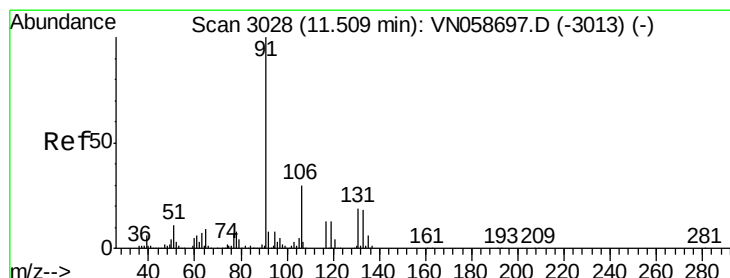
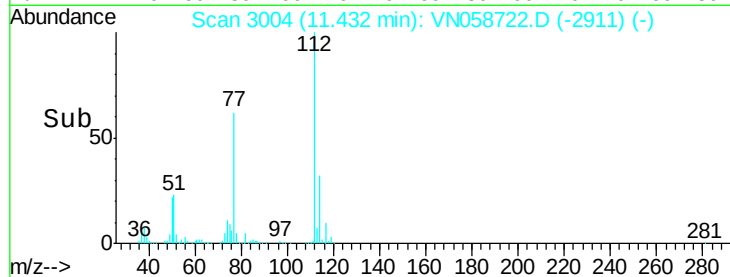
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.276 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

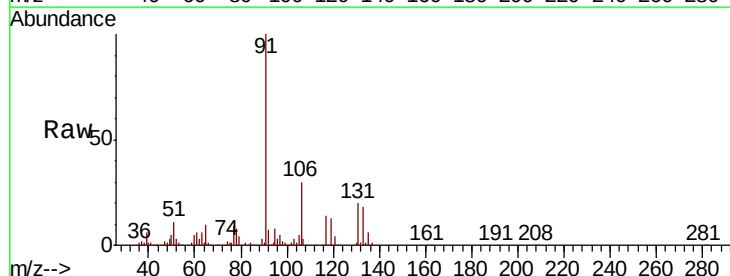
Tgt Ion:131 Resp: 244437

Ion Ratio Lower Upper

131 100

133 93.5 47.6 142.9

119 66.6 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

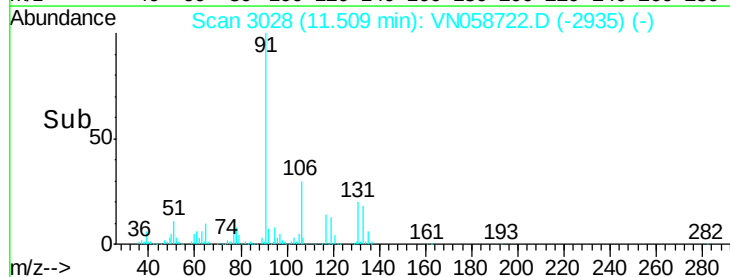
150000

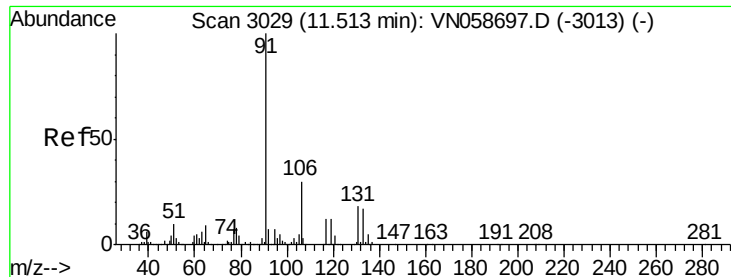
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 53.193 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1199018

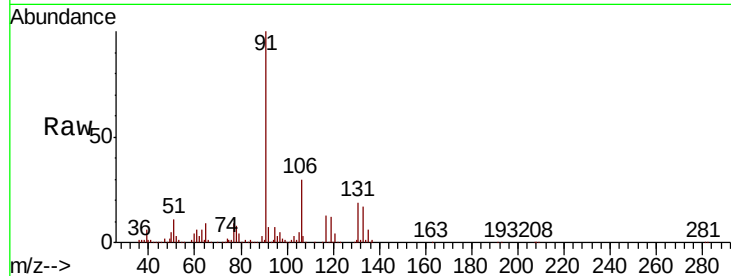
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1

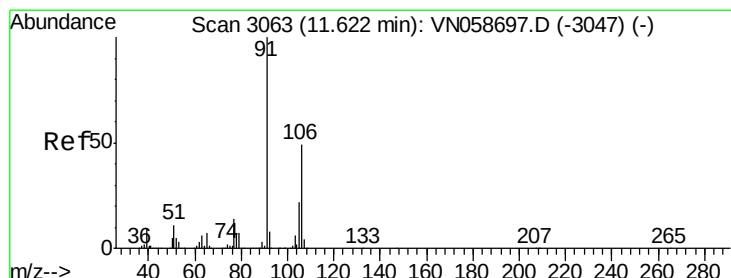
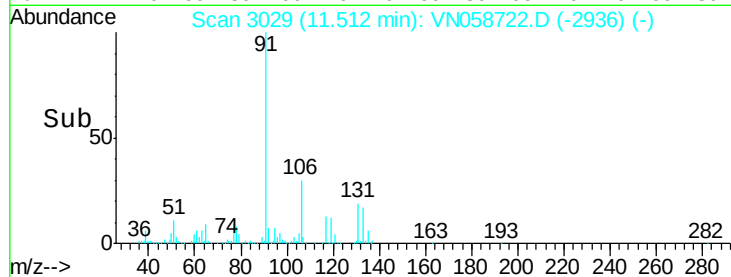
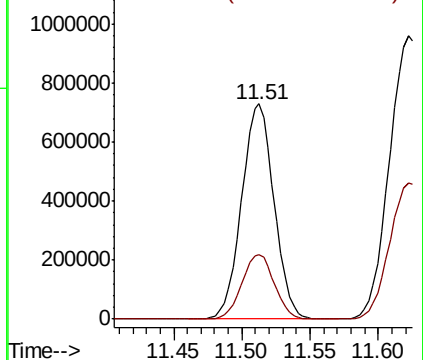
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.231 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058722.D

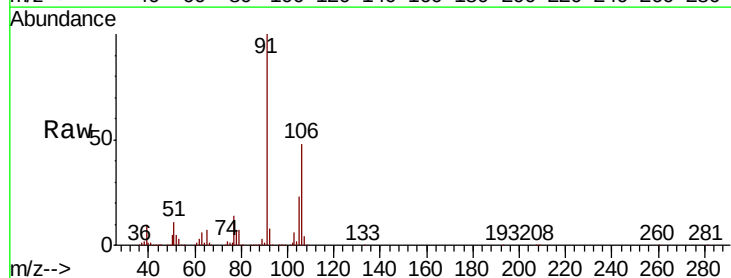
Acq: 11 Oct 2019 23:20

Tgt Ion: 106 Resp: 890156

Ion Ratio Lower Upper

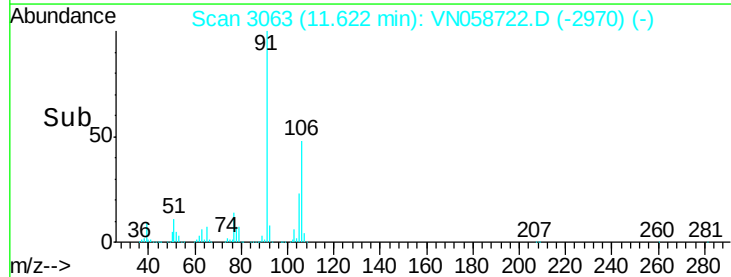
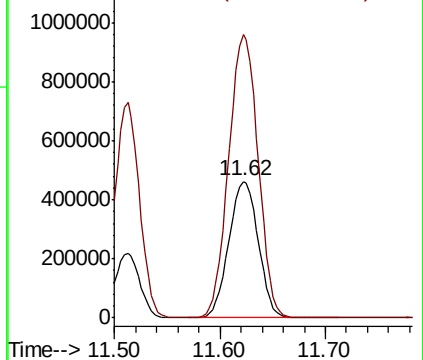
106 100

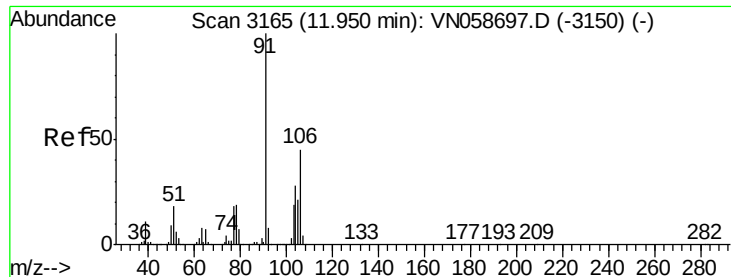
91 208.2 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 52.099 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 426394

Ion Ratio Lower Upper

106 100

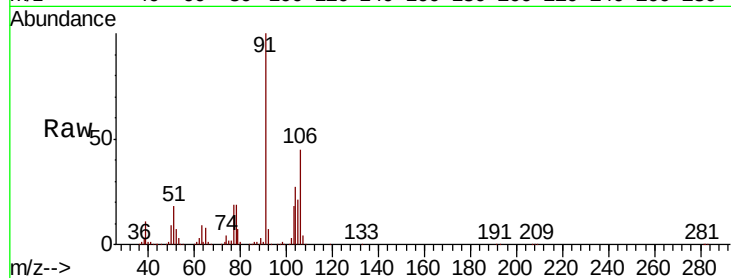
91 220.4 110.9 332.9

Manual Integrations

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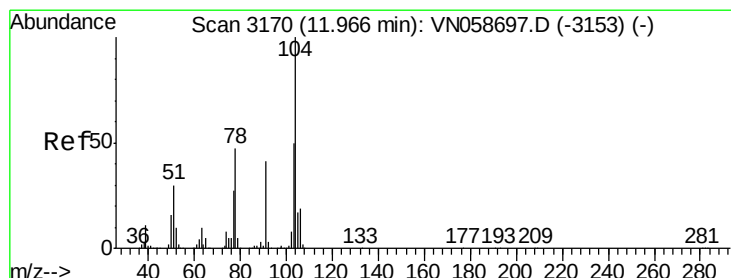
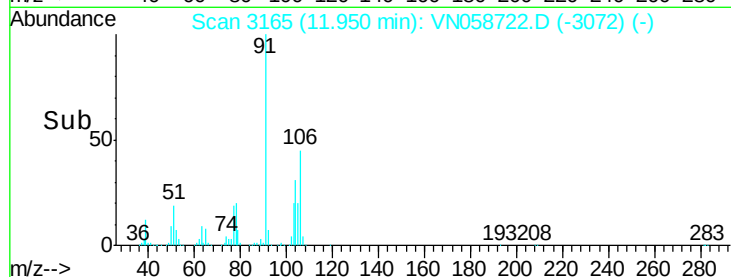
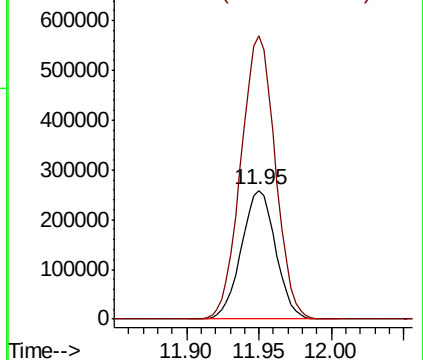
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 52.935 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

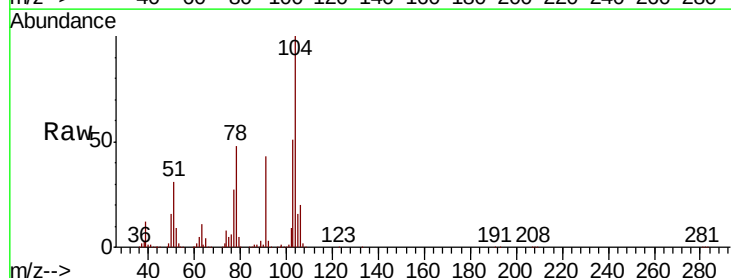
Tgt Ion:104 Resp: 710078

Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.2

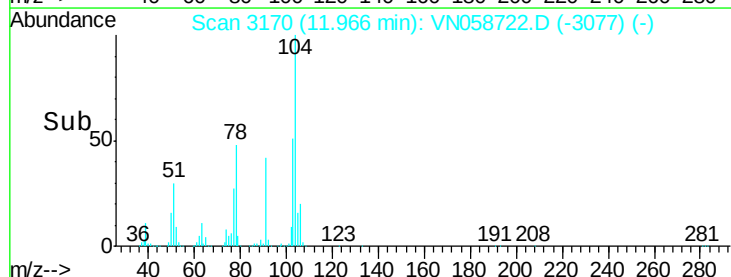
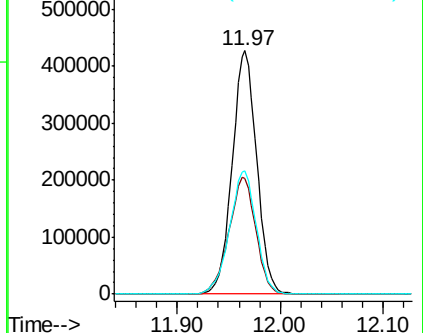
103 55.1 43.7 65.5

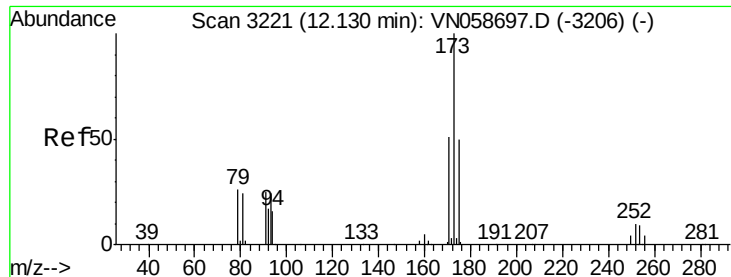


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.985 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

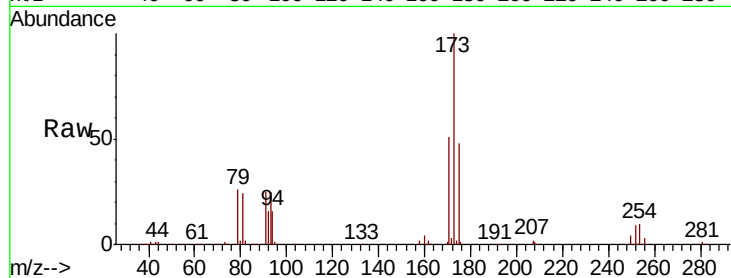
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	185025		
175	48.1	24.6	73.8	
254	0.1	0.1	0.1#	

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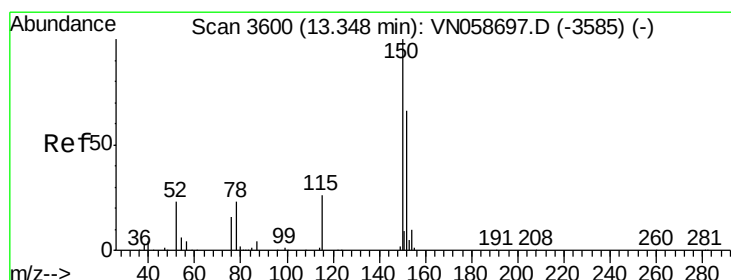
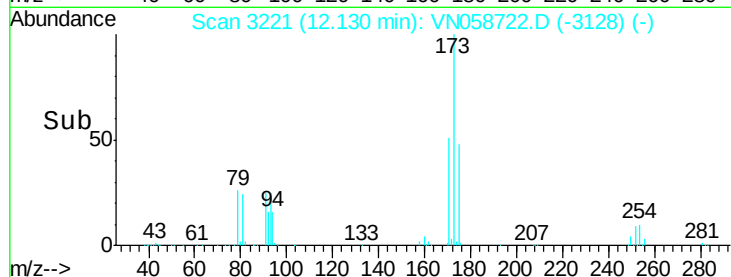
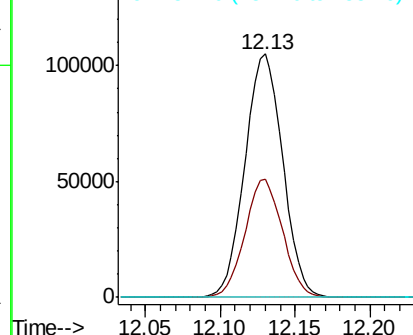


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

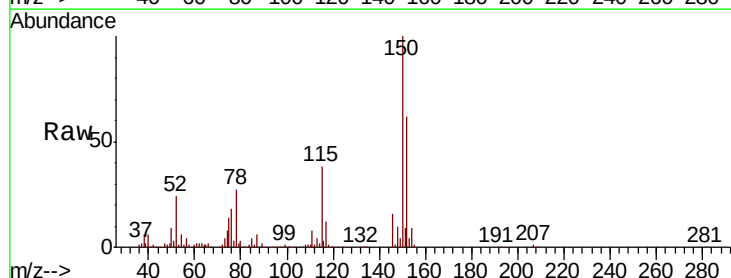
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	308564		
115	60.9	30.4	91.2	
150	175.3	0.0	345.4	

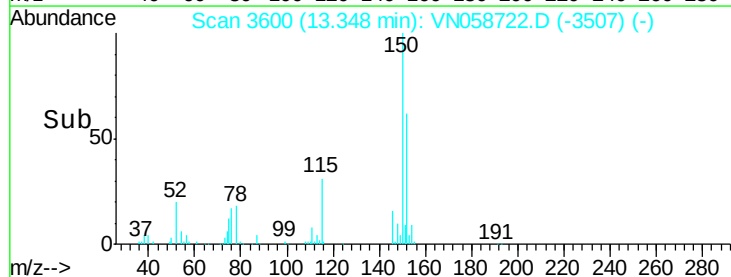
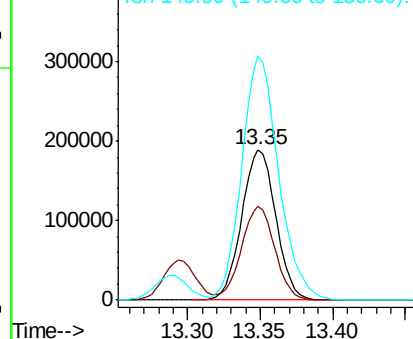


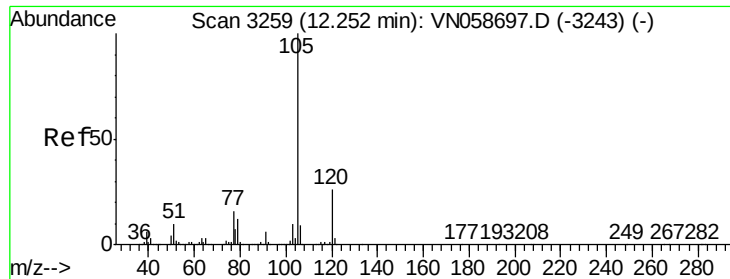
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.561 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

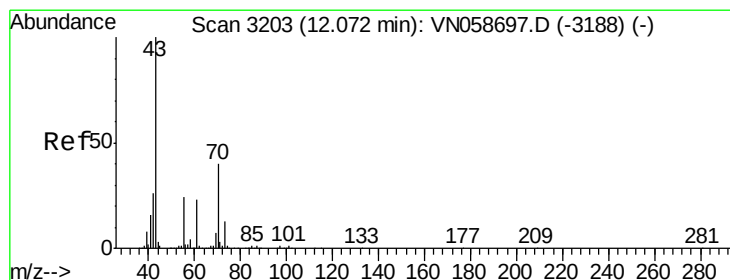
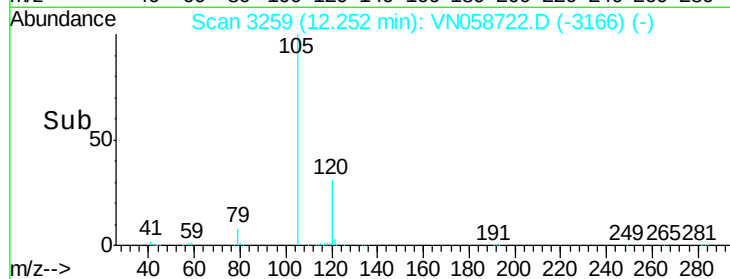
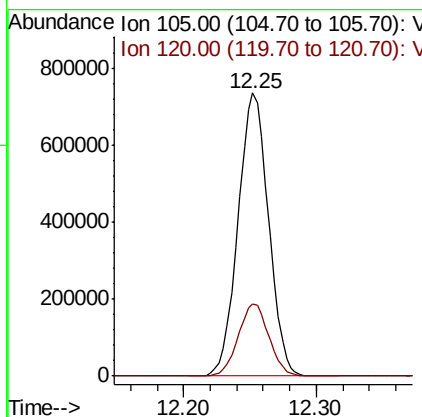
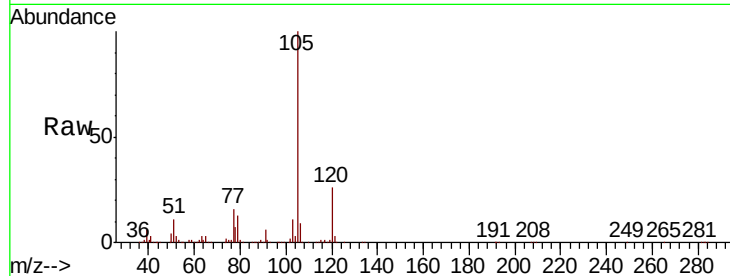
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1174587

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 53.438 ug/l

RT: 12.07 min Scan# 3203

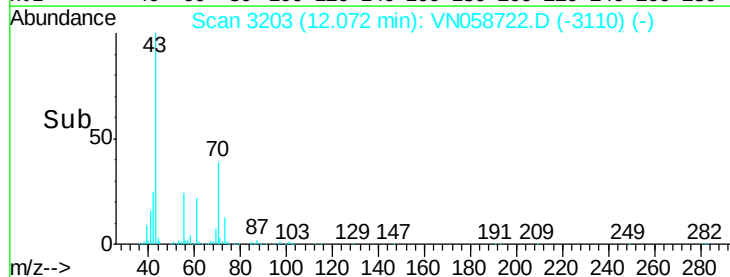
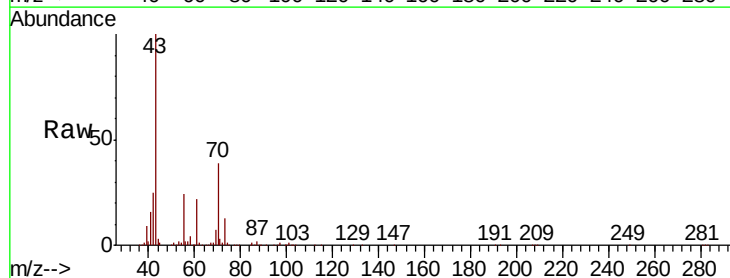
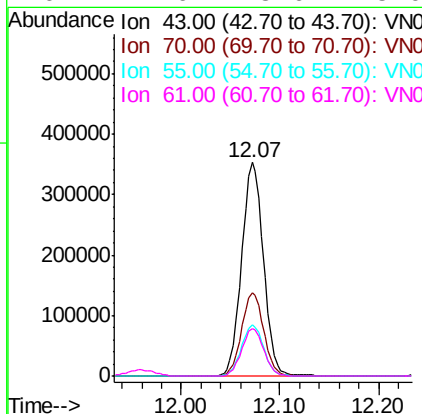
Delta R.T. 0.00 min

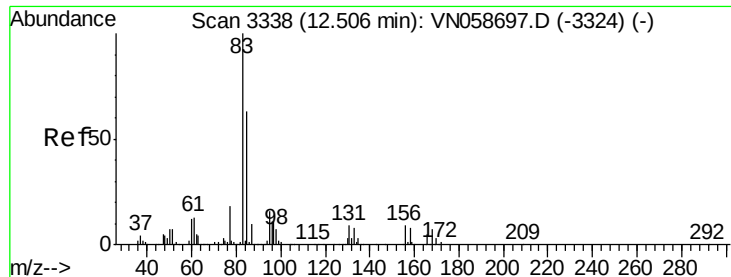
Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion: 43 Resp: 536347

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.2	48.4
55	24.5	19.6	29.4
61	22.6	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.962 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

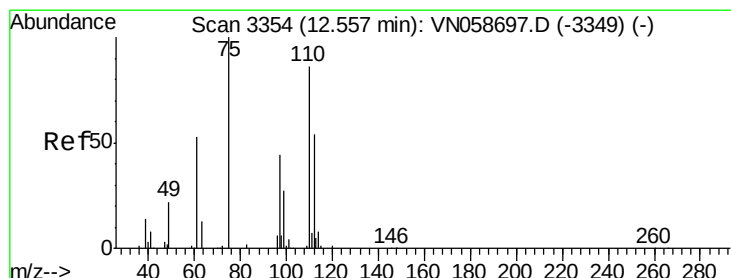
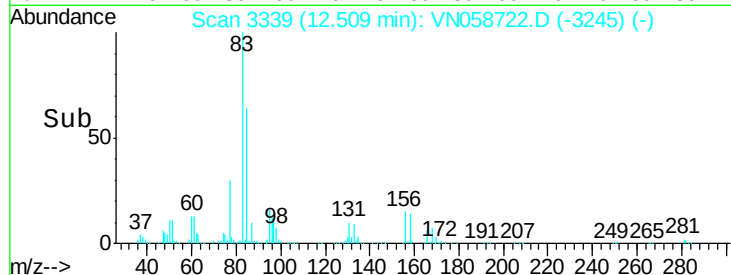
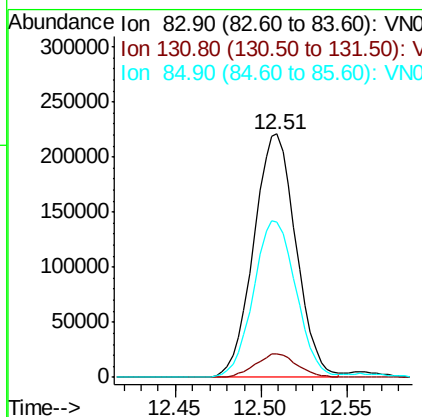
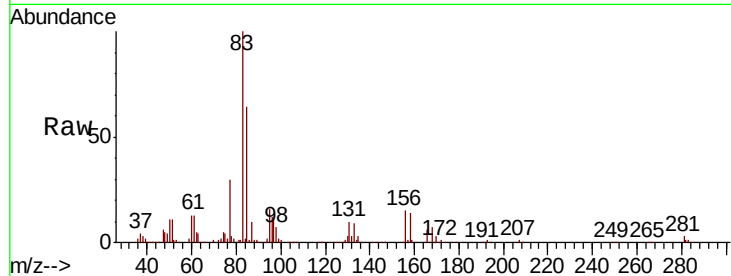
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	375169
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	64.8	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.969 ug/l m

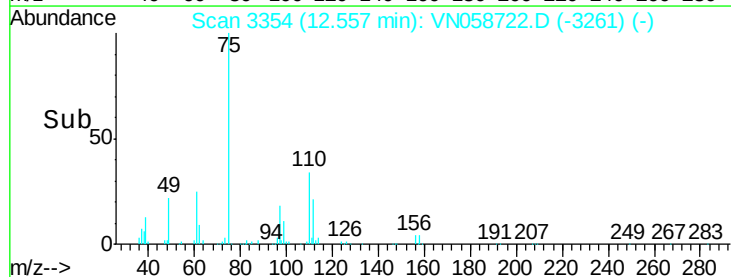
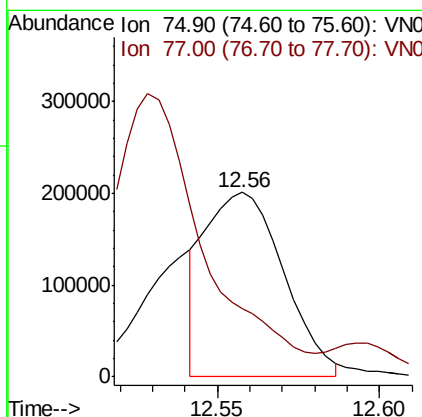
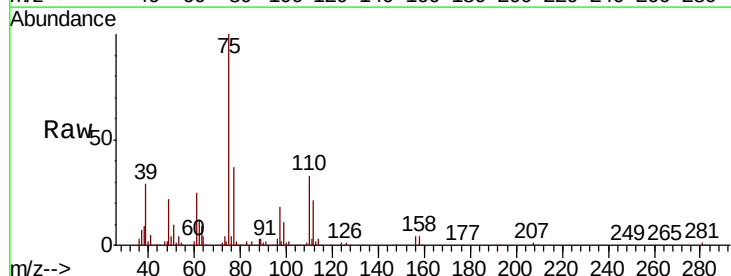
RT: 12.56 min Scan# 3354

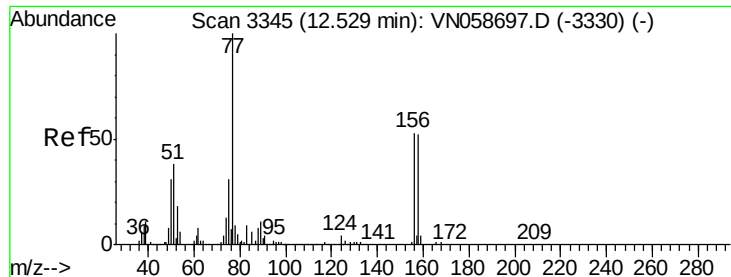
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	75	Resp:	338244
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.251 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

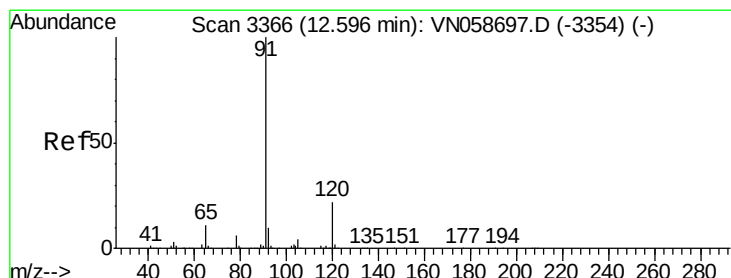
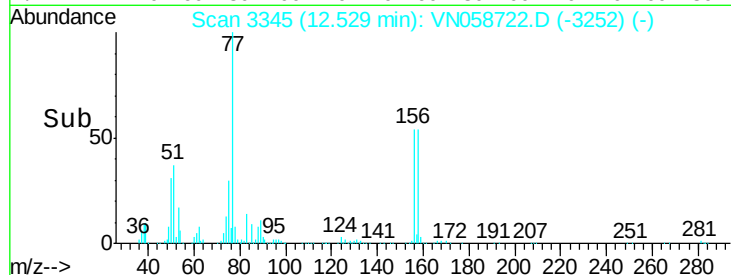
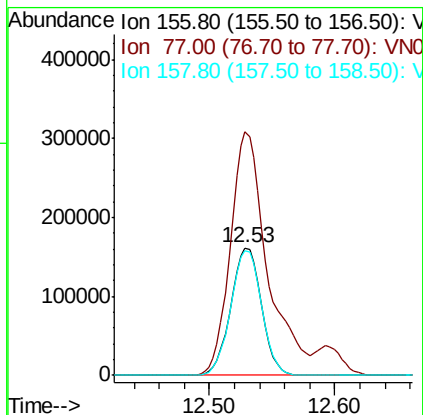
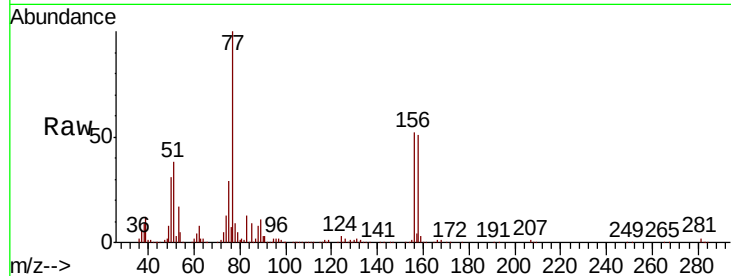
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	273138
Ion Ratio	Lower	Upper	
156	100		
77	231.3	115.8	347.3
158	98.8	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.243 ug/l

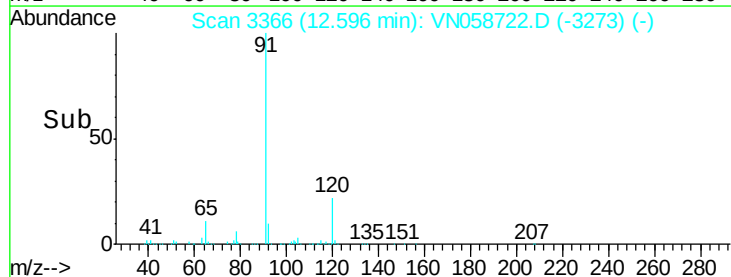
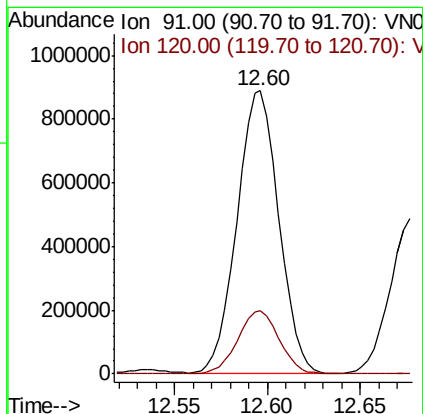
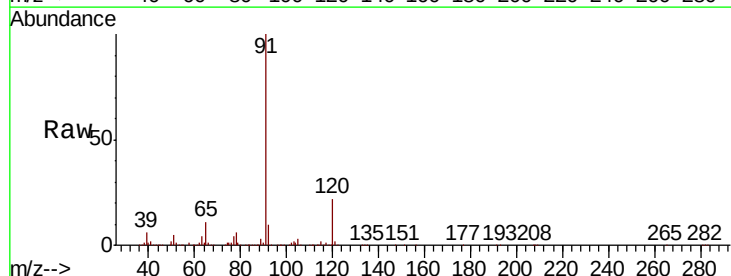
RT: 12.60 min Scan# 3366

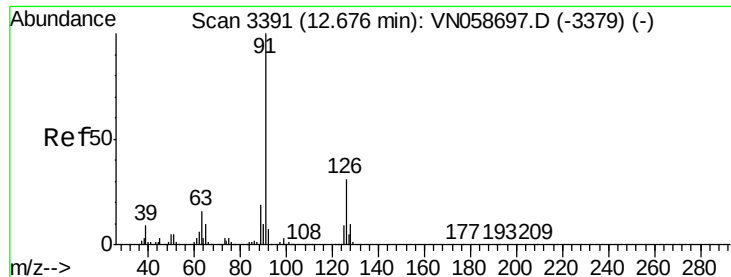
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	91	Resp:	1386456
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 50.413 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 814797

Ion Ratio Lower Upper

91 100

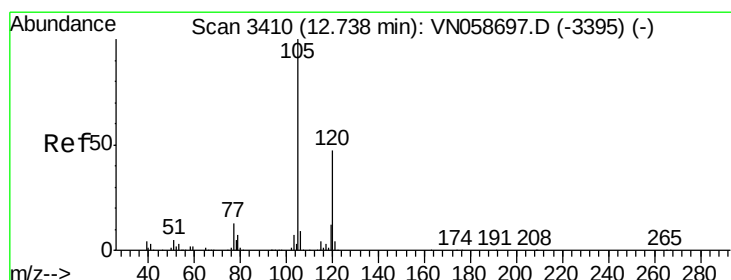
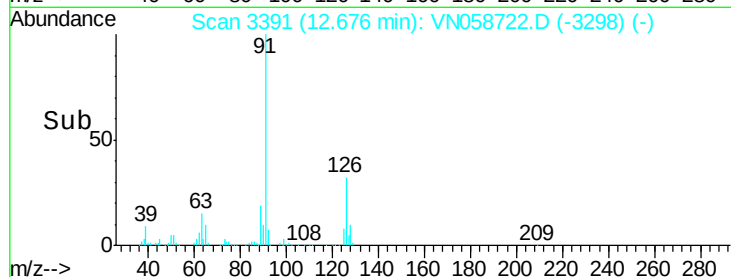
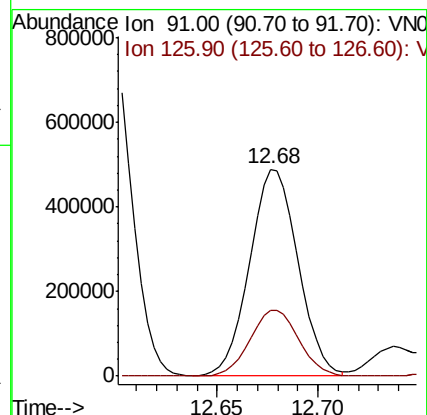
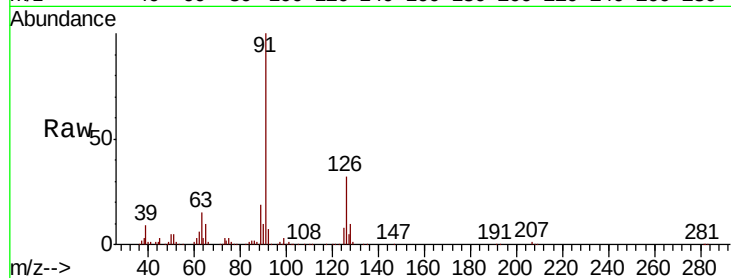
126 32.6 16.2 48.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.678 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058722.D

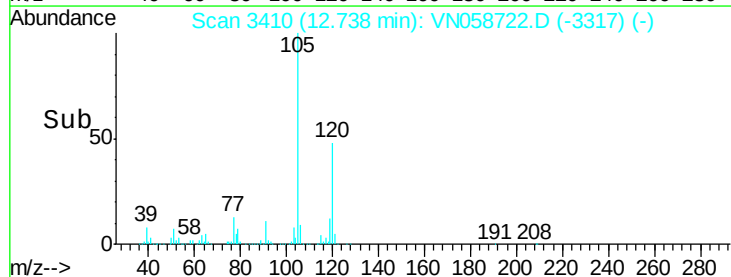
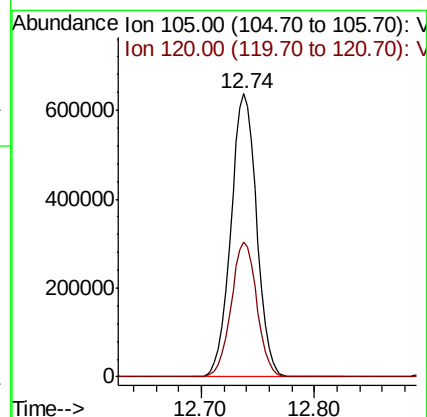
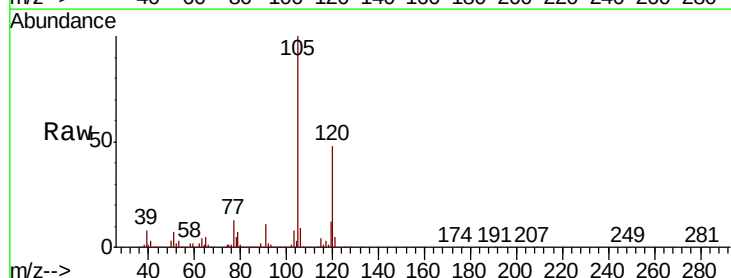
Acq: 11 Oct 2019 23:20

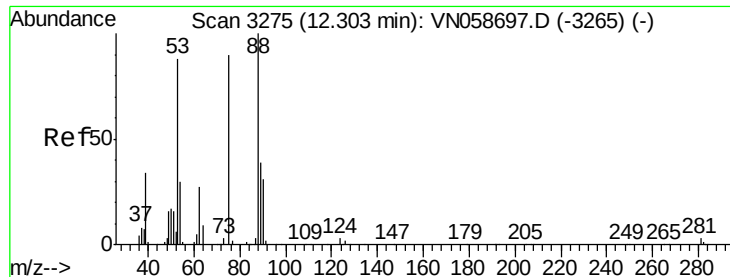
Tgt Ion: 105 Resp: 1005016

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.2





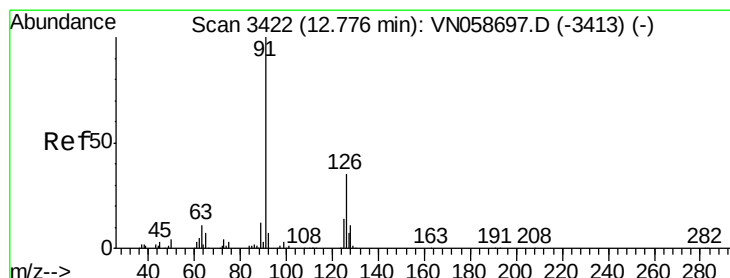
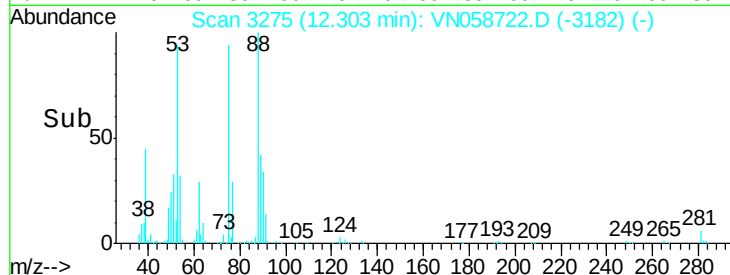
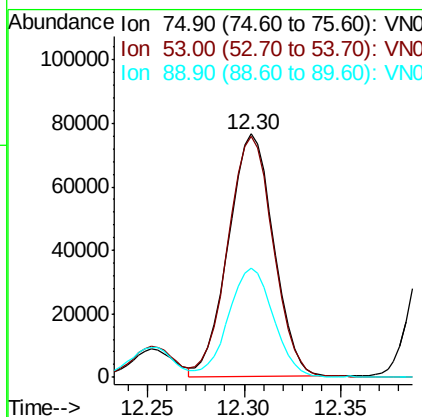
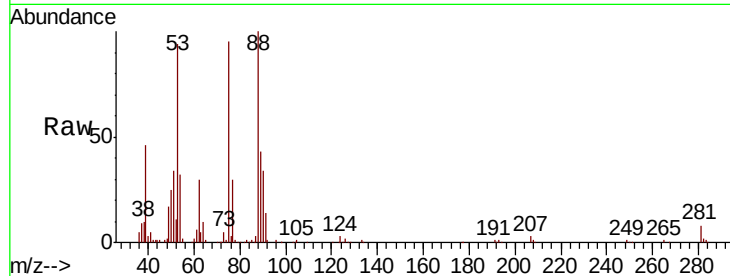
#81
trans-1,4-Dichloro-2-butene
Concen: 49.083 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.4	117.6
89	44.5	34.9	52.3

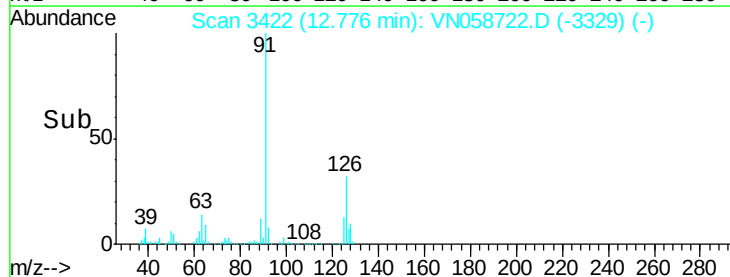
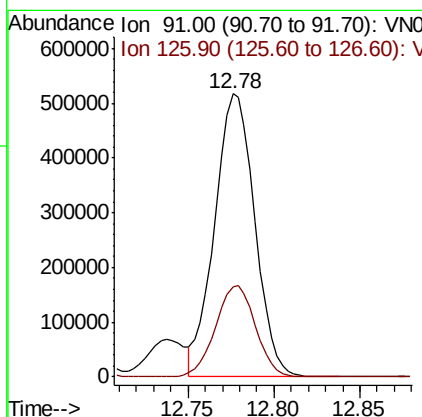
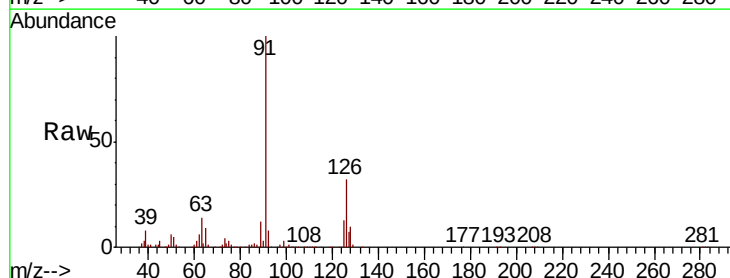
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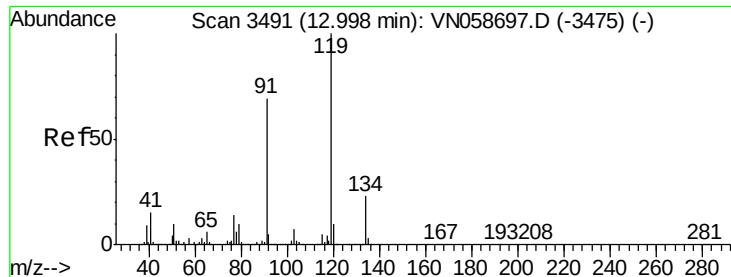
MMDadoda
10/16/2019 12:48:55 AM



#82
4-Chlorotoluene
Concen: 50.517 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.6





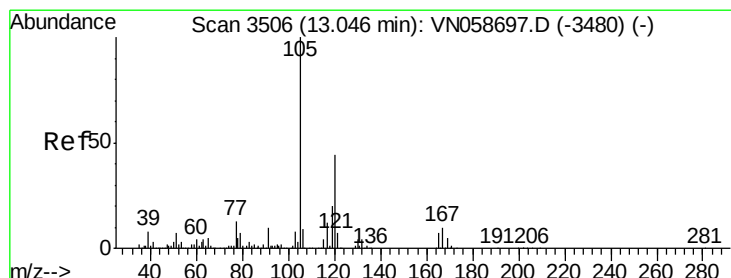
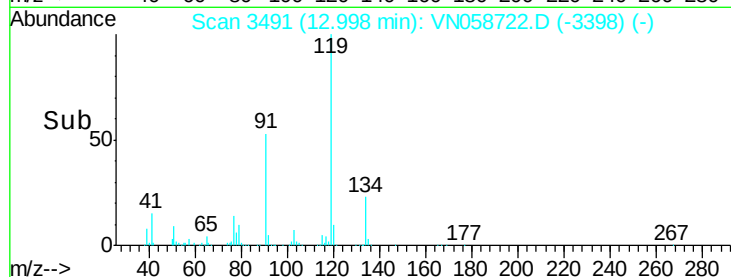
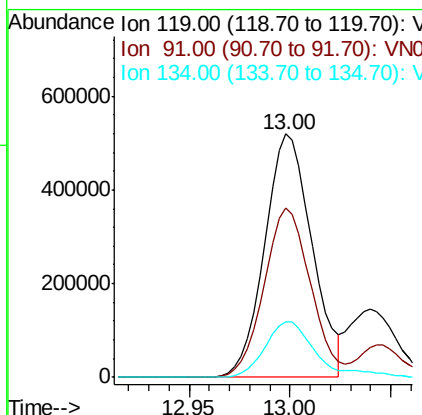
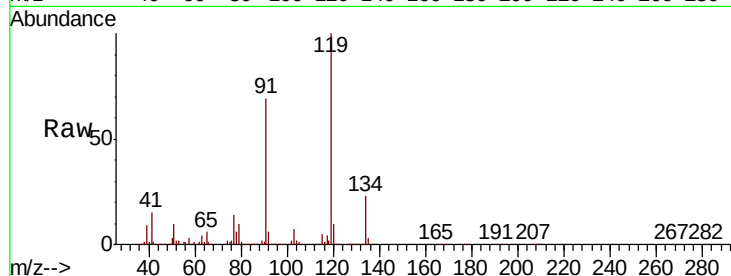
#83
 tert-Butylbenzene
 Concen: 51.690 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.8	101.3
134	24.9	12.6	37.6

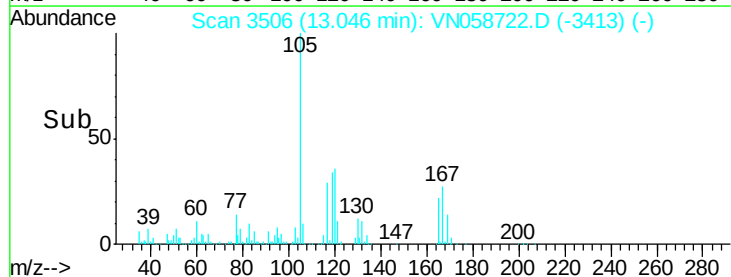
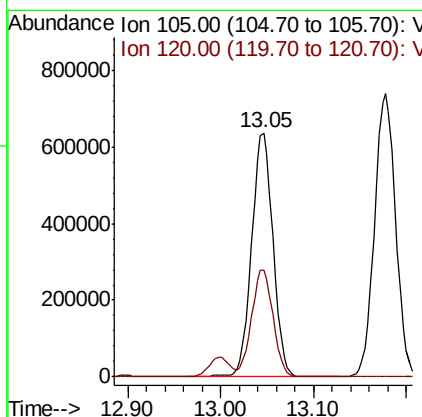
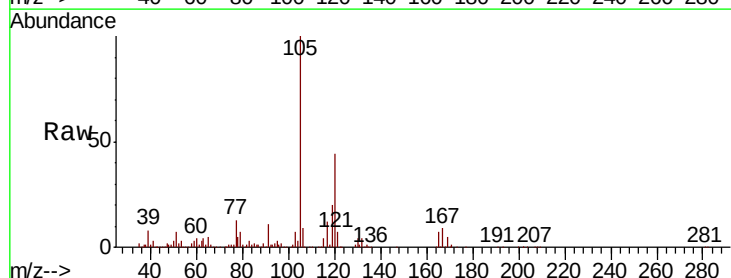
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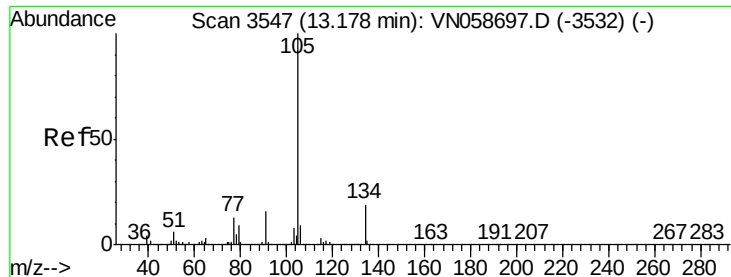
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.582 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





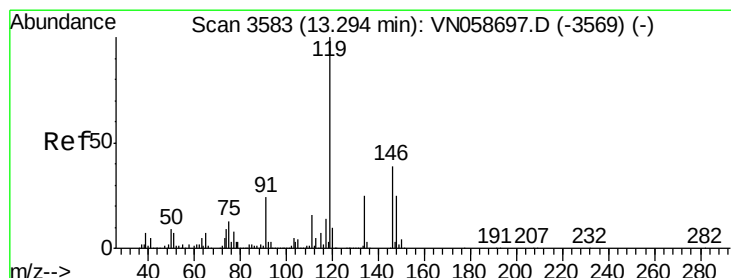
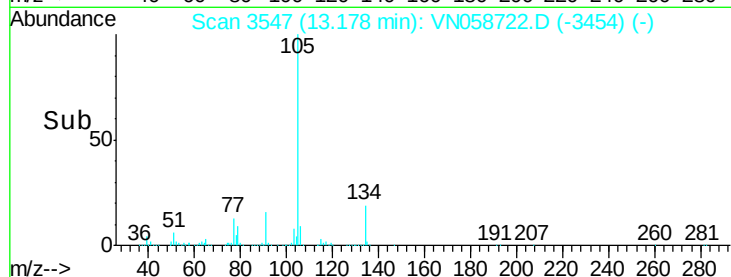
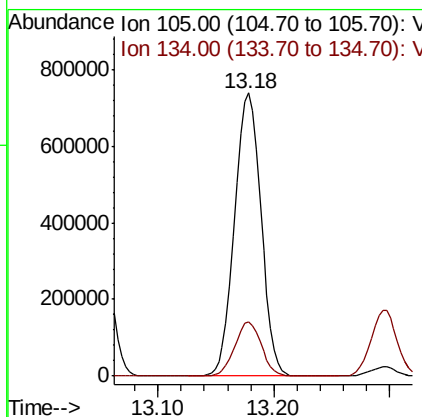
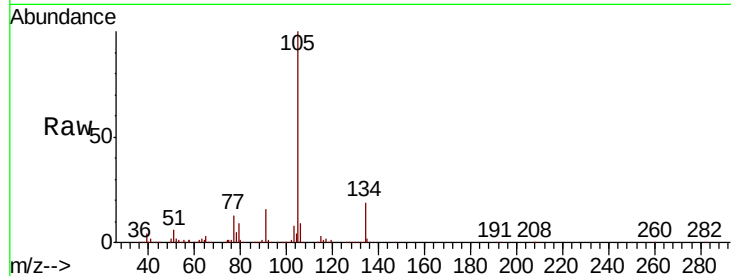
#85
 sec-Butylbenzene
 Concen: 53.885 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1160467
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

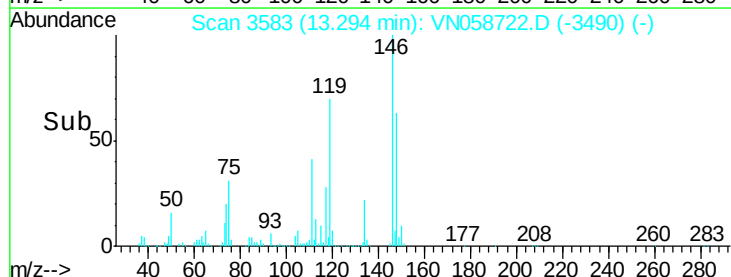
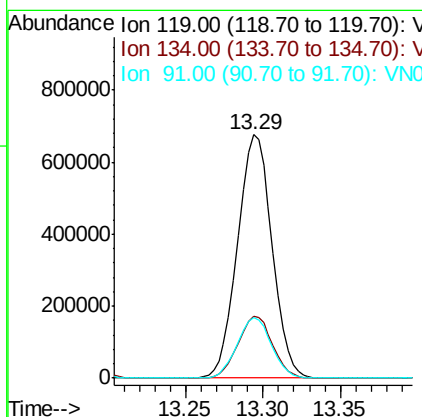
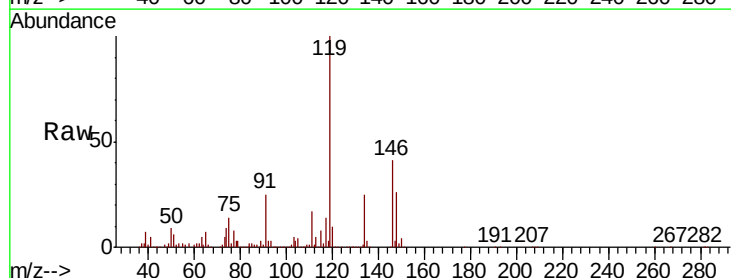
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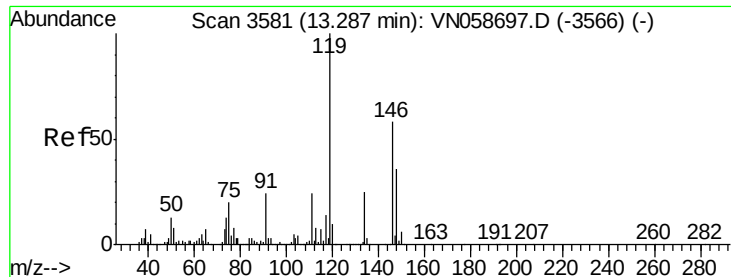
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#86
 p-Isopropyltoluene
 Concen: 53.435 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion:119 Resp: 1045890
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 24.5 11.9 35.5





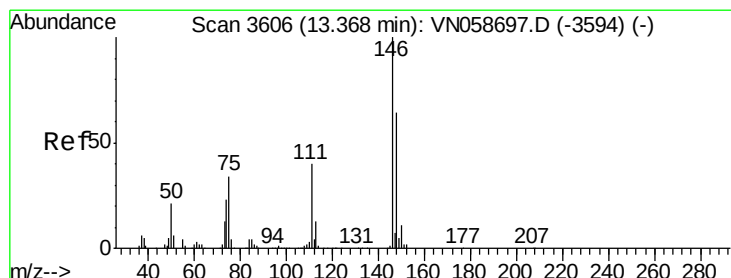
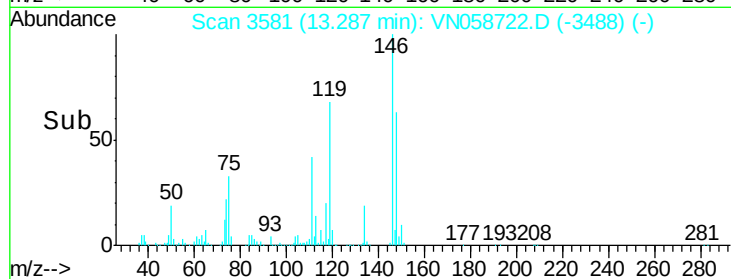
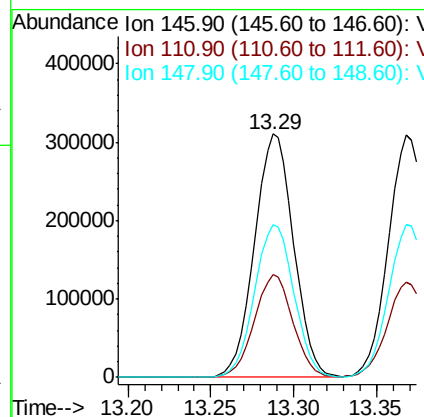
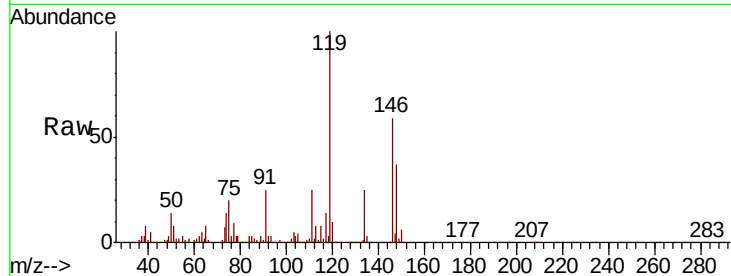
#87
 1,3-Dichlorobenzene
 Concen: 50.662 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.3	31.3	93.9

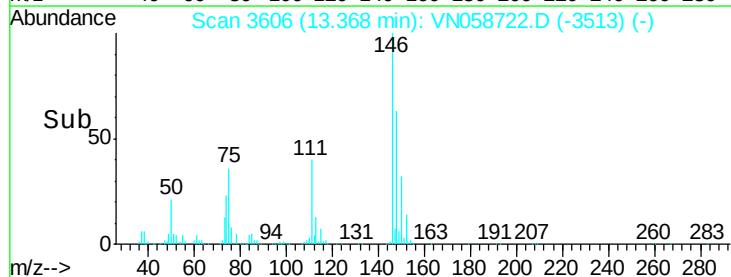
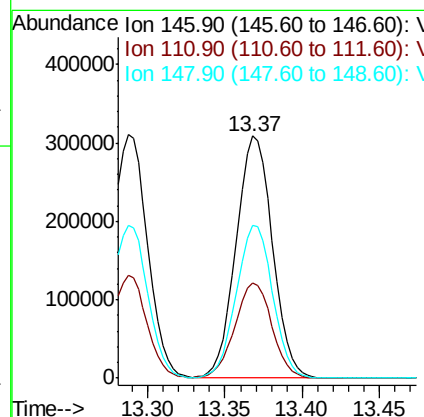
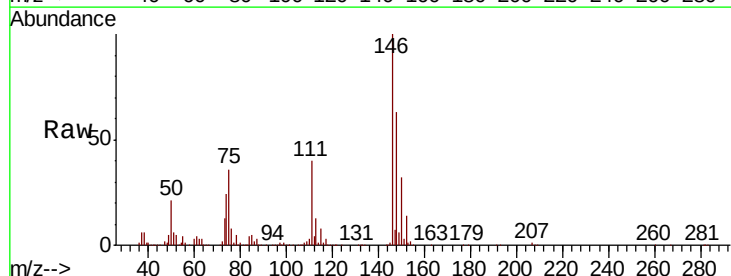
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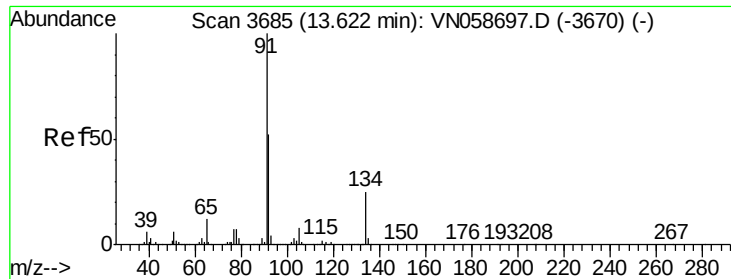
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#88
 1,4-Dichlorobenzene
 Concen: 49.484 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.3	31.9	95.7





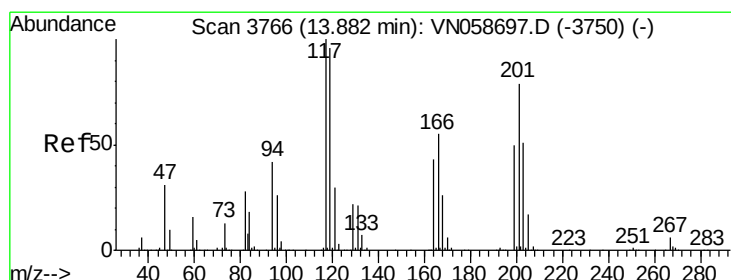
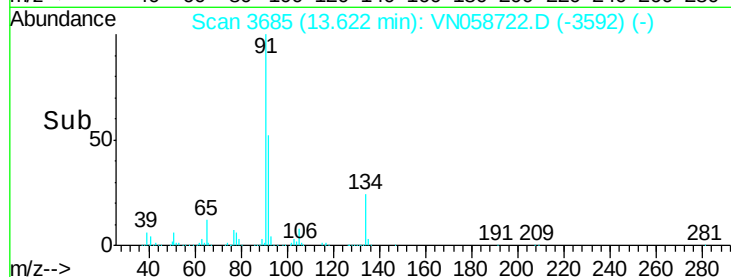
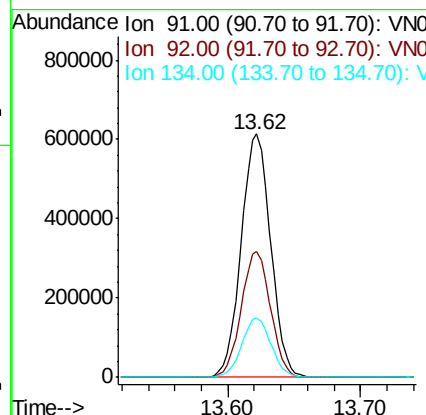
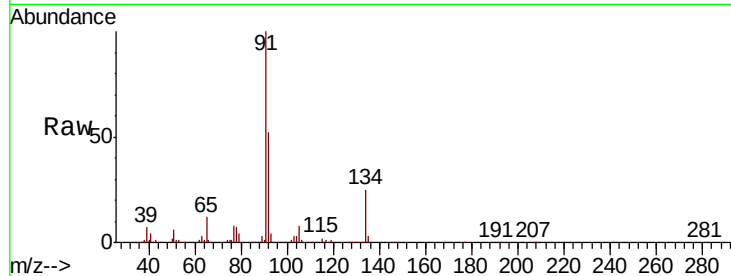
#89
n-Butylbenzene
Concen: 52.336 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		947205		
92	51.4	26.0	78.0		
134	24.4	12.2	36.6		

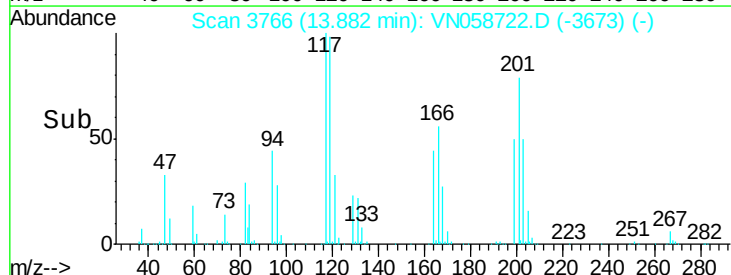
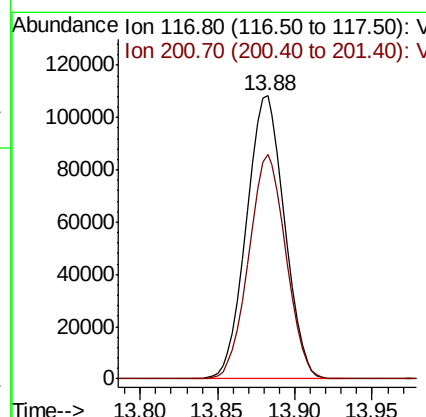
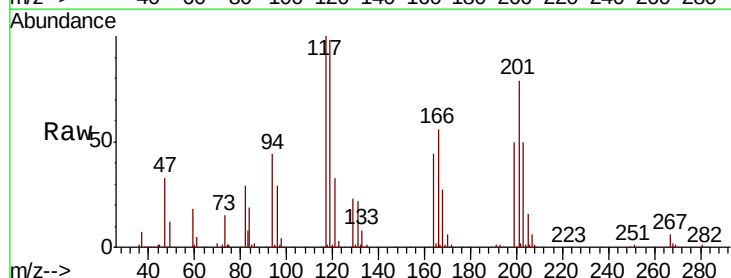
Manual Integrations
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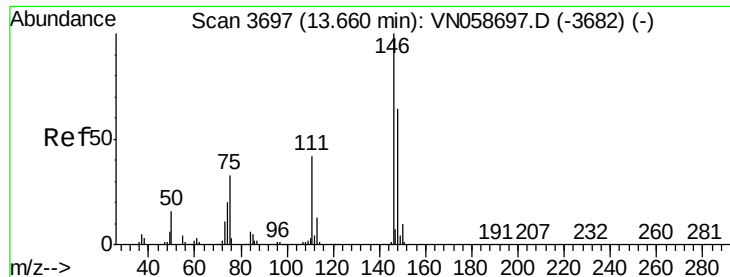
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#90
Hexachloroethane
Concen: 53.073 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058722.D
Acq: 11 Oct 2019 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		185876		
201	77.4	39.6	118.7		





#91

1,2-Dichlorobenzene

Concen: 50.869 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

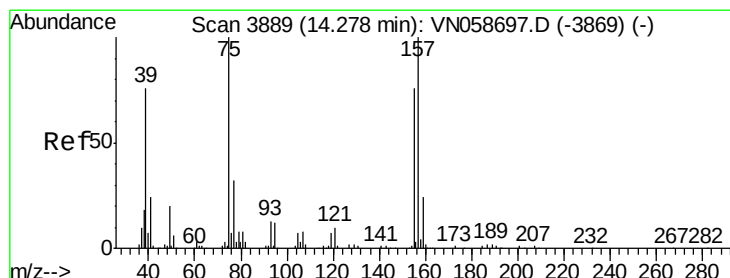
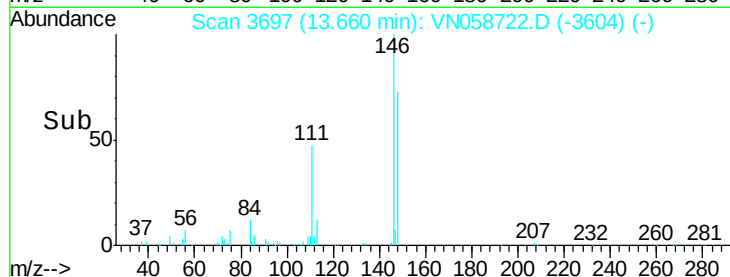
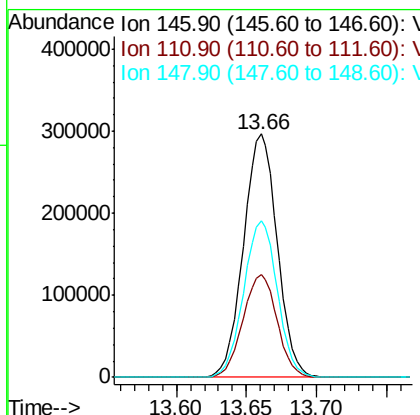
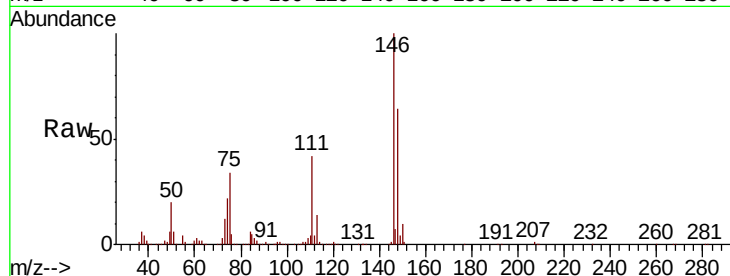
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	496987
Ion Ratio		Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.3	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.053 ug/l

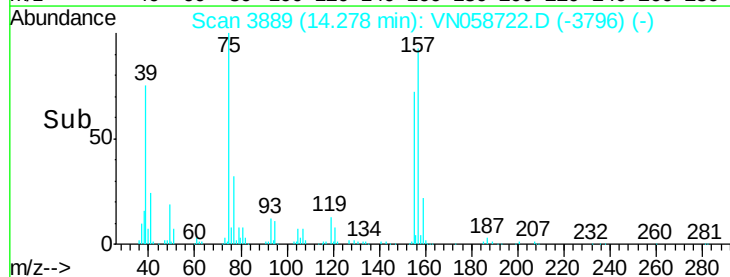
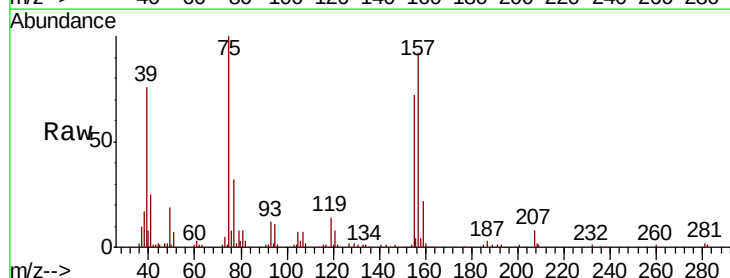
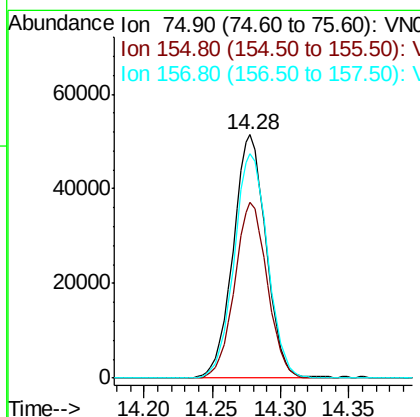
RT: 14.28 min Scan# 3889

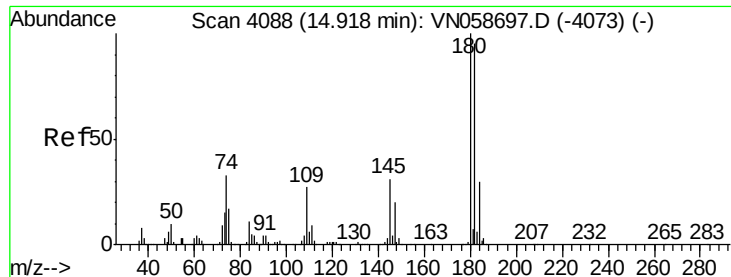
Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	75	Resp:	86084
Ion Ratio		Lower	Upper
75	100		
155	71.3	37.9	113.6
157	93.6	49.4	148.2





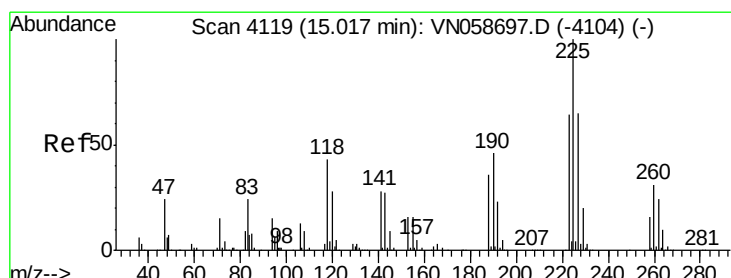
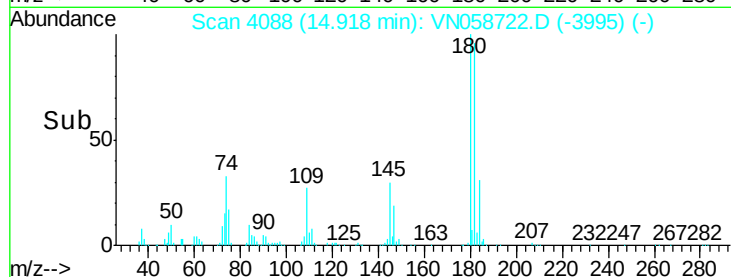
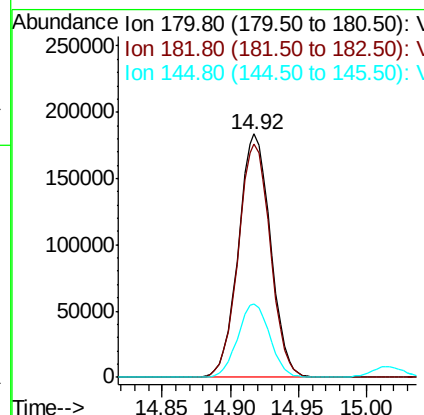
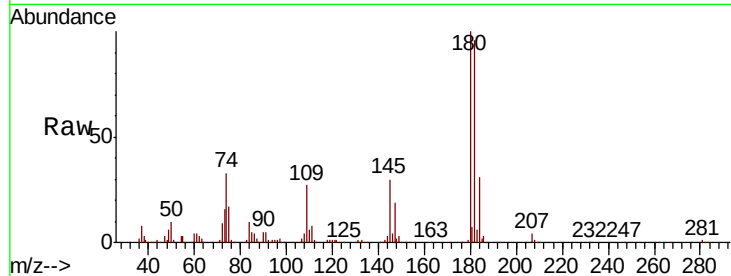
#93
 1,2,4-Trichlorobenzene
 Concen: 50.205 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299215		
182	96.0	47.4	142.2	
145	30.3	15.4	46.2	

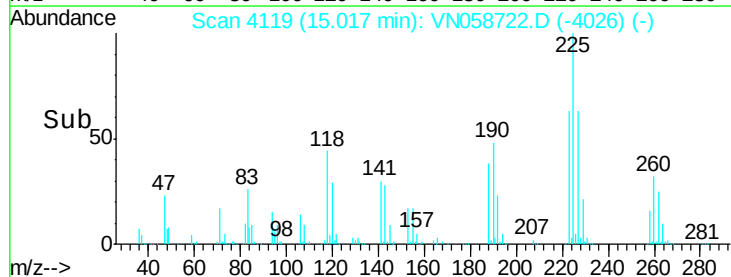
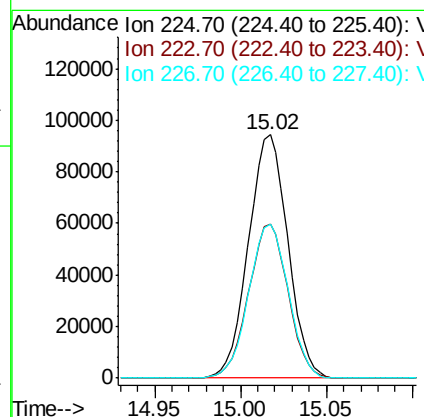
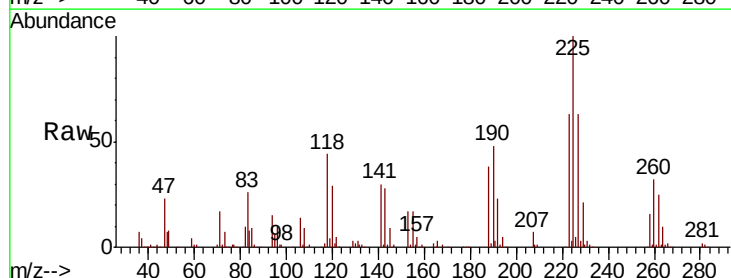
Manual Integrations
 APPROVED

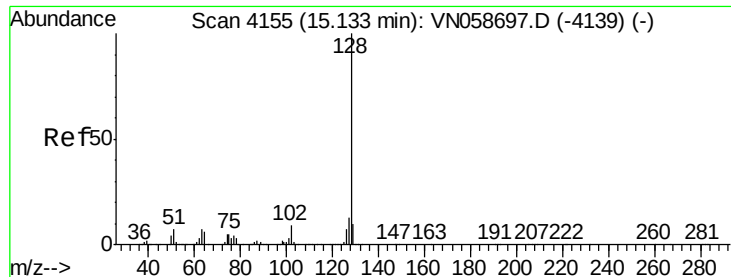
MMDadoda
 10/16/2019 12:48:55 AM



#94
 Hexachlorobutadiene
 Concen: 47.862 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058722.D
 Acq: 11 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150215		
223	63.2	32.3	96.8	
227	63.3	32.4	97.0	





#95

Naphthalene

Concen: 51.364 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Instrument :

MSVOA_N

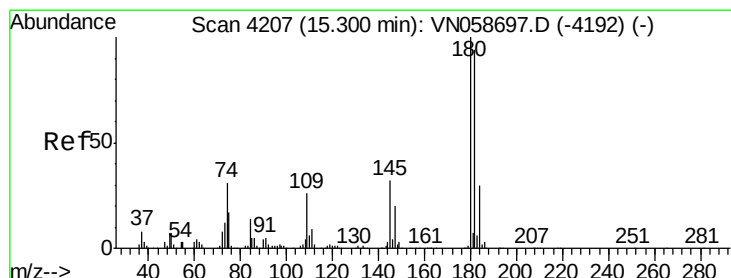
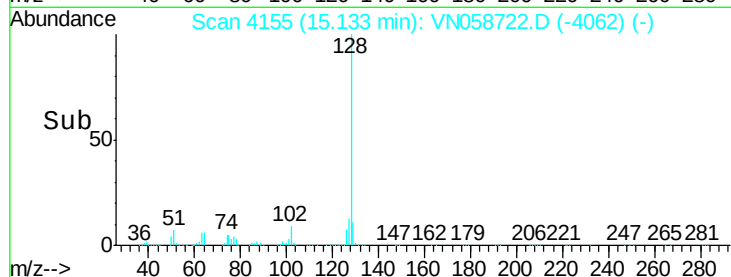
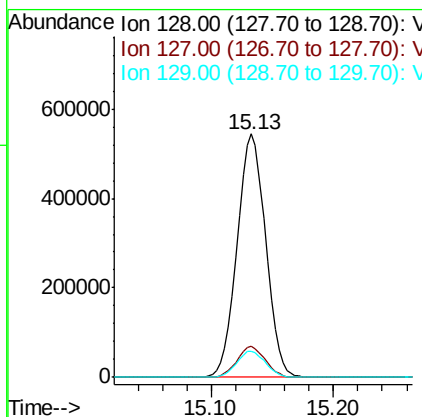
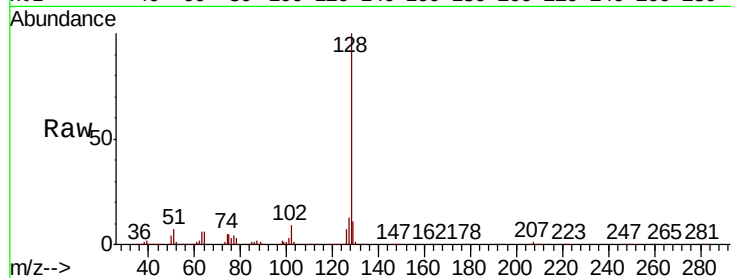
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	879787
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.438 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058722.D

Acq: 11 Oct 2019 23:20

Tgt Ion:	180	Resp:	287664
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	142.0
145	32.3	16.2	48.6

