

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058685.D
 Acq On : 10 Oct 2019 23:20
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 2:47:00 PM

Quant Time: Oct 11 09:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73980	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	415456	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	377859	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	190710	30.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.23%
60) 4-Bromofluorobenzene	12.40	95	198149	29.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.93%
63) Toluene-d8	10.08	98	544654	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87637	21.864	ug/l 100
3) Chloromethane	2.04	50	115451	21.562	ug/l 100
4) Vinyl Chloride	2.17	62	119719	21.634	ug/l 97
5) Bromomethane	2.54	94	70682	20.687	ug/l 99
6) Chloroethane	2.68	64	72359	20.803	ug/l 97
7) Trichlorofluoromethane	3.00	101	145300	21.332	ug/l 99
8) Diethyl Ether	3.39	74	54522	20.988	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82106	20.833	ug/l 98
10) 1,1-Dichloroethene	3.72	96	80220	20.724	ug/l 96
11) Methyl Iodide	3.93	142	115298	21.388	ug/l 98
12) Methyl Acetate	4.30	43	130005	20.992	ug/l 99
13) Acrolein	3.58	56	64520	94.290	ug/l 99
14) Acrylonitrile	4.96	53	249312	102.169	ug/l 98
15) Acetone	3.79	58	64210	88.646	ug/l 96
16) Carbon Disulfide	4.03	76	229281	20.308	ug/l 100
17) Allyl chloride	4.30	41	142063	18.439	ug/l 96
18) Methylene Chloride	4.53	84	99917	21.317	ug/l 100
19) trans-1,2-Dichloroethene	5.01	96	88190	20.928	ug/l 97
20) Diisopropyl ether	5.93	45	327348	20.854	ug/l 96
21) 1,1-Dichloroethane	5.82	63	185397	21.329	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104509	20.801	ug/l 98
23) tert-Butyl Alcohol	4.76	59	88766	88.935	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	305273	21.140	ug/l 99
25) Chloroform	7.36	83	182911	21.099	ug/l 96
26) Cyclohexane	7.63	56	157295	20.617	ug/l # 97
29) 1,1-Dichloropropene	7.77	75	135469	20.714	ug/l 100
30) 2-Butanone	6.81	43	338658	91.636	ug/l 100
31) 2,2-Dichloropropane	6.80	77	137974	17.900	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	157602	20.836	ug/l 98
33) Carbon Tetrachloride	7.76	117	134797	20.589	ug/l 95
34) Benzene	8.02	78	399238	20.736	ug/l 97
35) Methacrylonitrile	7.15	41	50057m	15.333	ug/l
36) 1,2-Dichloroethane	8.11	62	154223	20.950	ug/l 100
37) Trichloroethene	8.82	130	98493	20.823	ug/l 99
38) Methylcyclohexane	9.07	83	151627	19.997	ug/l 99
39) 1,2-Dichloropropane	9.11	63	109169	20.748	ug/l 100
40) Dibromomethane	9.20	93	68233	20.542	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	139097	20.498	ug/l	99
42) Vinyl Acetate	5.87	43	1342871	103.752	ug/l	100
43) Ethyl Acetate	6.91	43	140918	19.427	ug/l #	69
44) Isopropyl Acetate	8.15	43	236231	20.105	ug/l	90
45) 1,4-Dioxane	9.19	88	29514	327.128	ug/l	99
46) Methyl methacrylate	9.19	41	108797	20.170	ug/l	98
47) n-amyl Acetate	12.07	43	206358	19.812	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	156700	19.911	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	166675	20.168	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	98526	20.778	ug/l	98
51) Ethyl methacrylate	10.43	69	150731	19.880	ug/l	99
52) 1,3-Dichloropropane	10.71	76	174924	20.714	ug/l	98
53) Dibromochloromethane	10.90	129	101980	20.040	ug/l	98
54) 1,2-Dibromoethane	11.00	107	101153	20.581	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	396217	105.052	ug/l	100
56) Bromoform	12.13	173	68751	19.394	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	724752	105.141	ug/l	99
59) 2-Hexanone	10.75	43	524740	97.102	ug/l	99
61) Tetrachloroethene	10.63	164	90298	22.115	ug/l	96
62) Toluene	10.15	91	425114	20.915	ug/l	99
64) Chlorobenzene	11.43	112	256582	20.648	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	98216	21.079	ug/l	98
66) Ethyl Benzene	11.51	91	480116	21.333	ug/l	99
67) m/p-Xylenes	11.62	106	349685	41.588	ug/l	98
68) o-Xylene	11.95	106	168931	20.724	ug/l	98
69) Styrene	11.97	104	276237	20.513	ug/l	99
70) Isopropylbenzene	12.25	105	463915	21.080	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	148043	19.982	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	138030m	20.560	ug/l	
73) Bromobenzene	12.53	156	110767	20.722	ug/l	99
74) n-propylbenzene	12.60	91	540036	20.964	ug/l	99
75) 2-Chlorotoluene	12.68	91	322034	20.778	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	391142	20.751	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	44853	17.538	ug/l	94
78) 4-Chlorotoluene	12.78	91	332849	20.837	ug/l	99
79) tert-butylbenzene	13.00	119	332455	20.645	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	395427	21.112	ug/l	98
81) sec-Butylbenzene	13.18	105	453569	20.928	ug/l	99
82) p-Isopropyltoluene	13.29	119	403942	20.756	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	200084	20.685	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	199879	20.688	ug/l	99
85) n-Butylbenzene	13.62	91	357808	20.082	ug/l	100
86) Hexachloroethane	13.88	117	70528	19.914	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	197906	20.725	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	32597	19.767	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	118456	19.646	ug/l	100
90) Hexachlorobutadiene	15.02	225	61116	19.629	ug/l	98
91) Naphthalene	15.13	128	340276	19.114	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	112866	19.230	ug/l	99

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

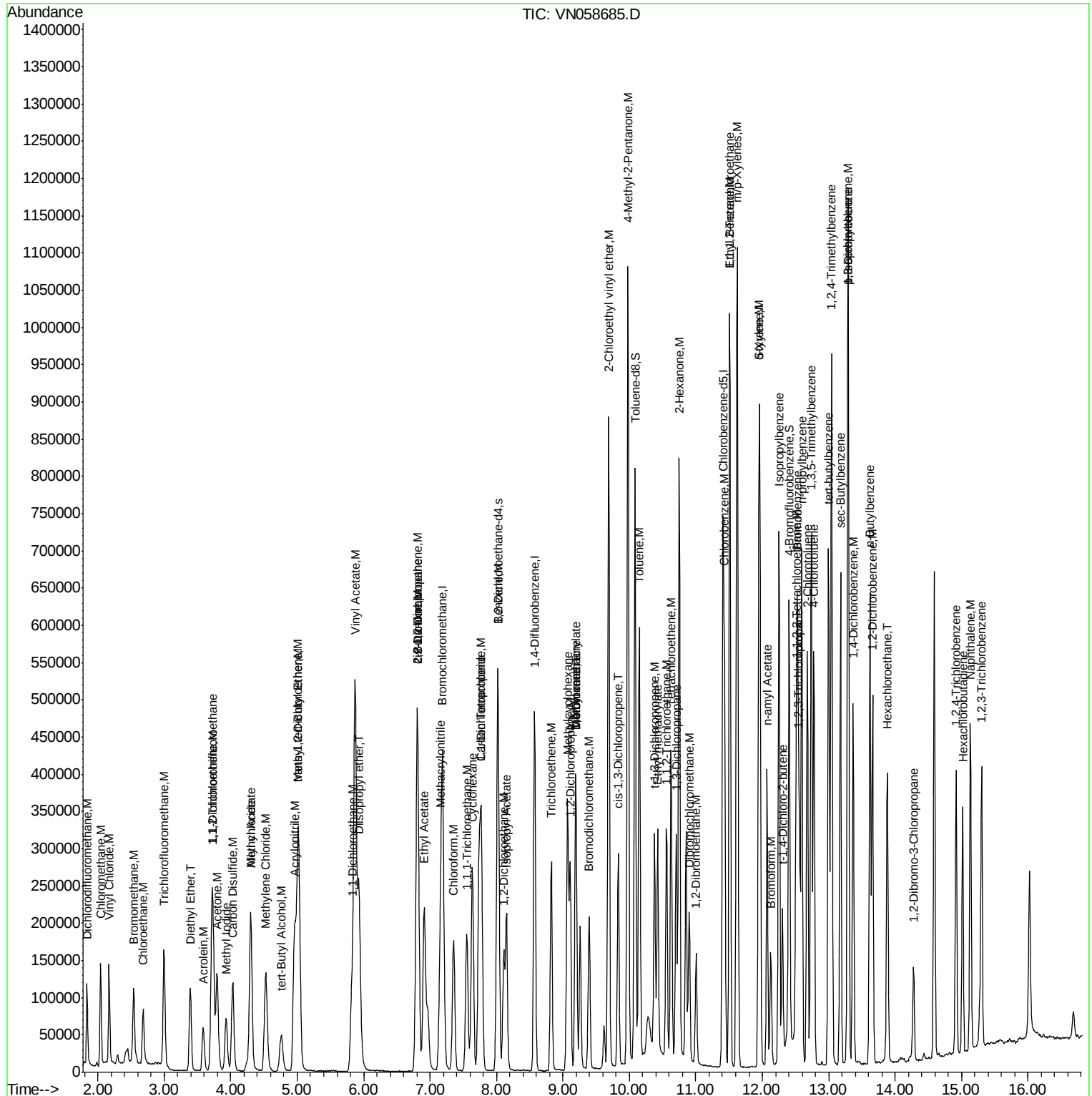
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
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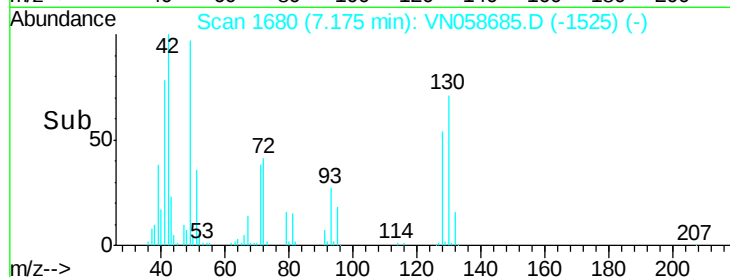
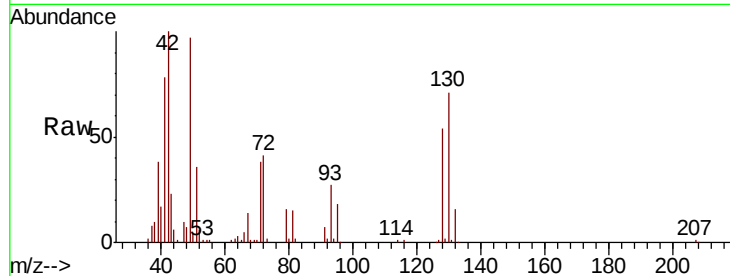
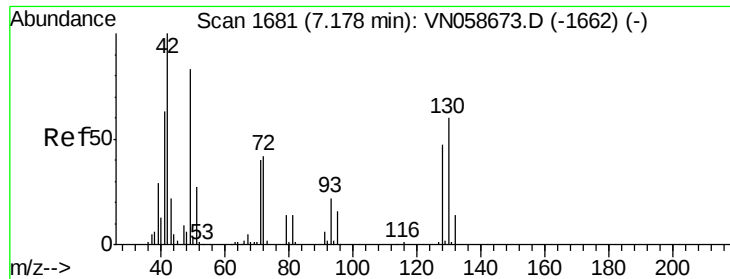
Instrument :
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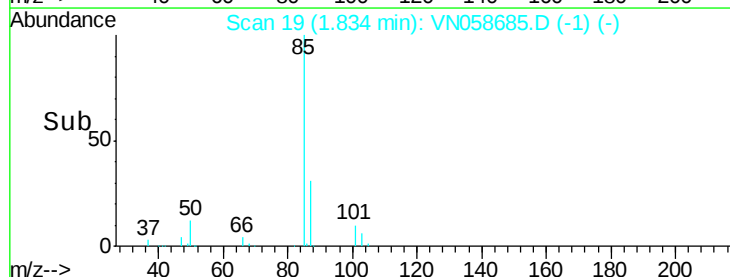
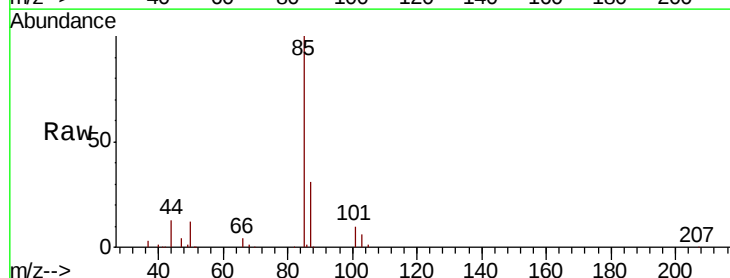
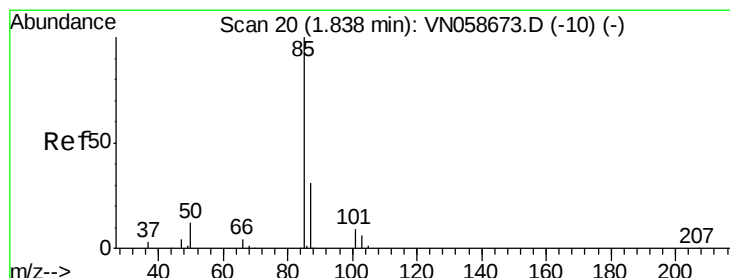
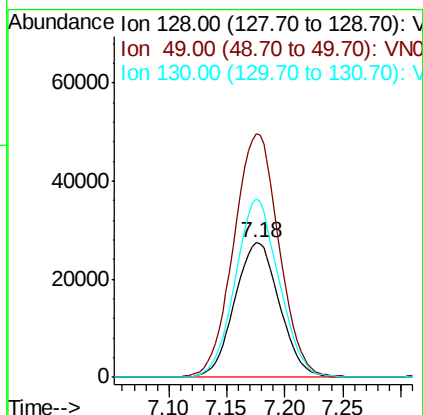
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tot Ion	Ratio	Lower	Upper
128	100		
49	183.0	0.0	453.5
130	129.0	0.0	314.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

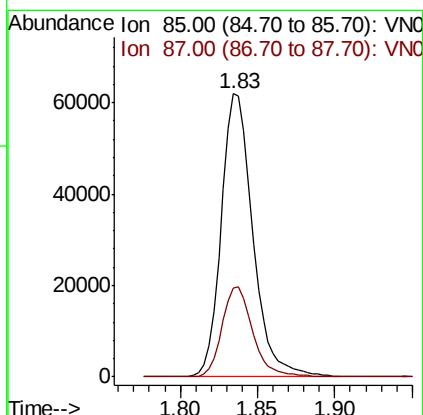
Manual Integrations
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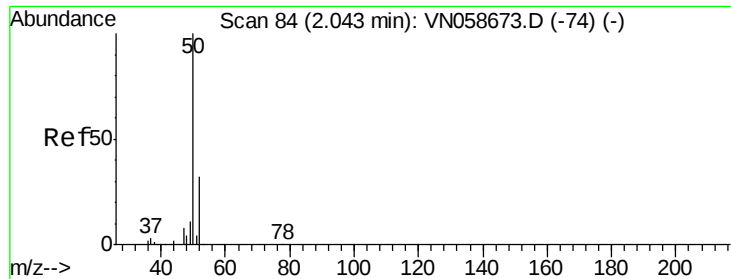
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10/11/2019 2:47:00 PM



#2
Dichlorodifluoromethane
Concen: 21.864 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.0





#3

Chloromethane

Concen: 21.562 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 115451

Ion Ratio Lower Upper

50 100

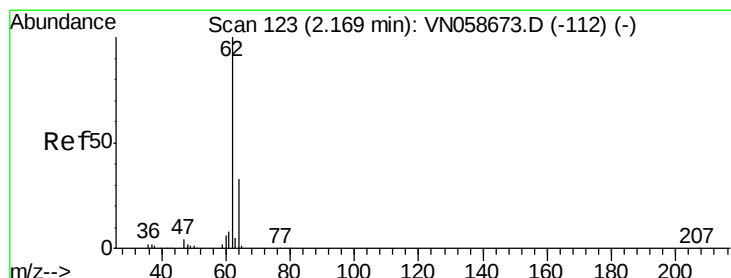
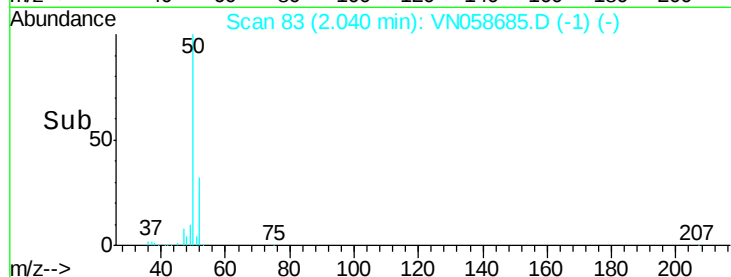
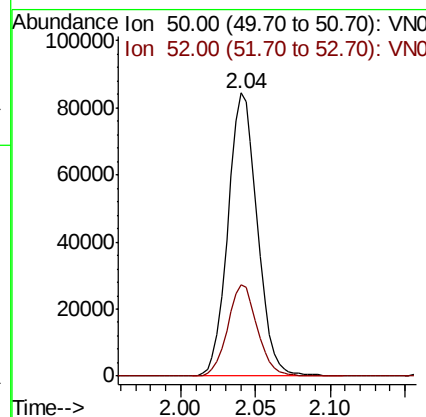
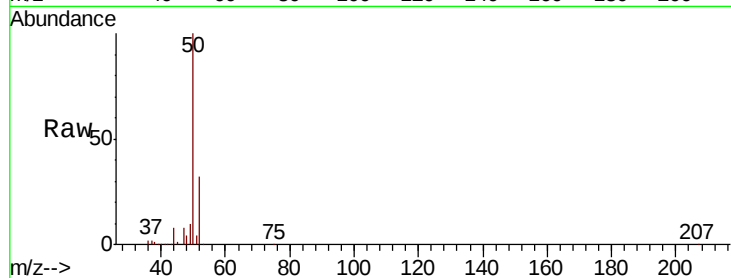
52 32.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.634 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058685.D

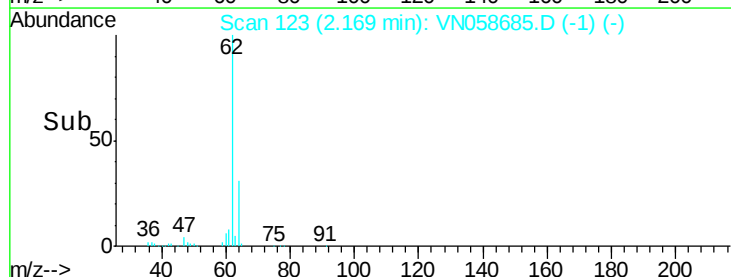
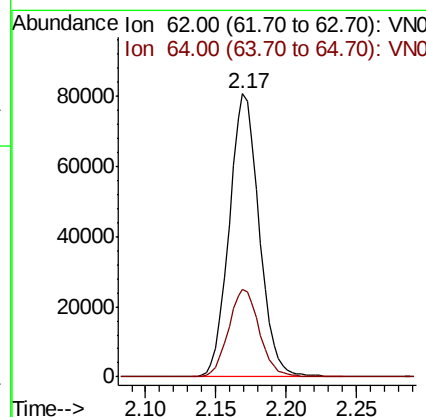
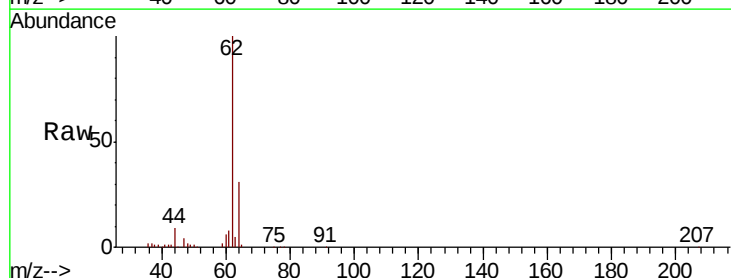
Acq: 10 Oct 2019 23:20

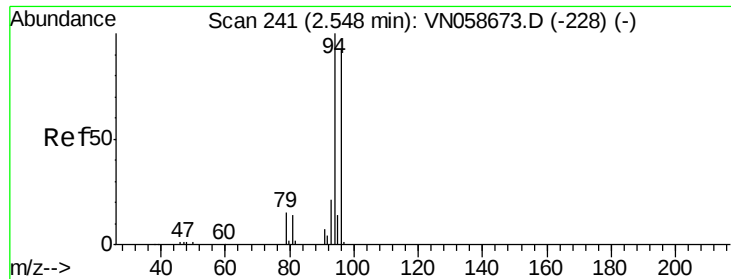
Tgt Ion: 62 Resp: 119719

Ion Ratio Lower Upper

62 100

64 30.9 26.1 39.1





#5

Bromomethane

Concen: 20.687 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 70682

Ion Ratio Lower Upper

94 100

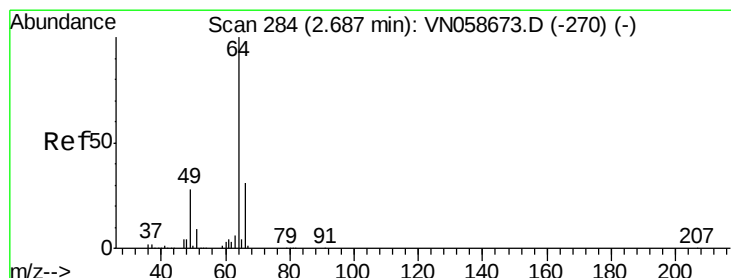
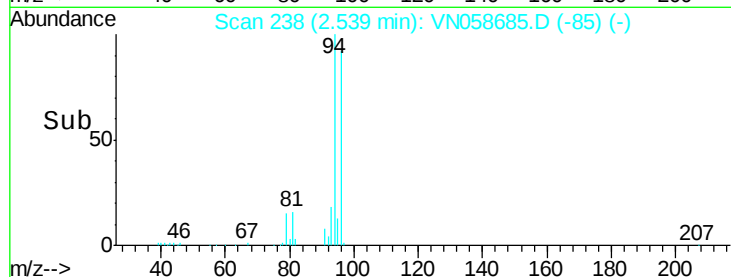
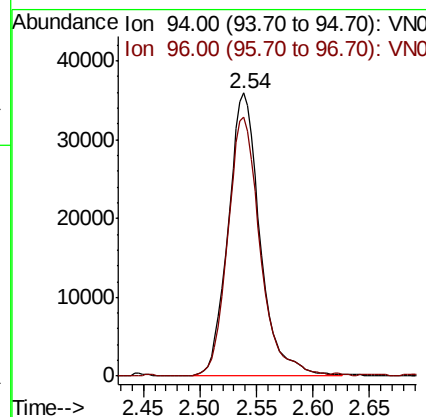
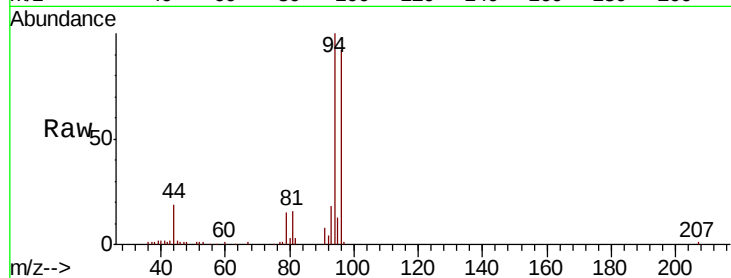
96 91.6 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 20.803 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058685.D

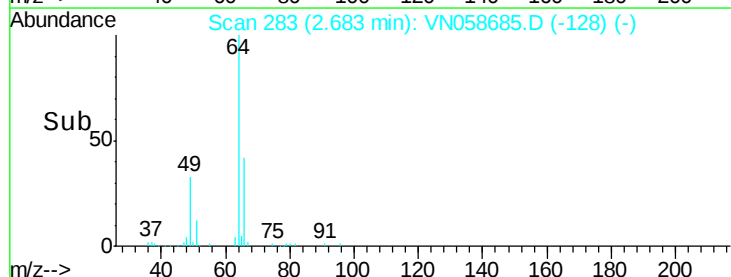
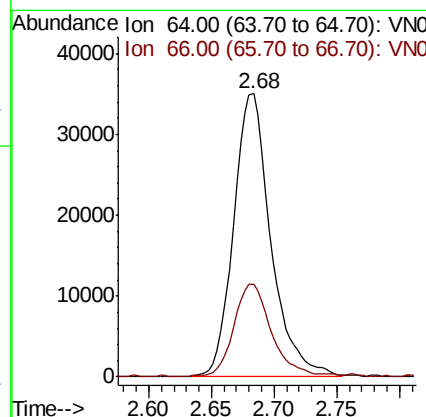
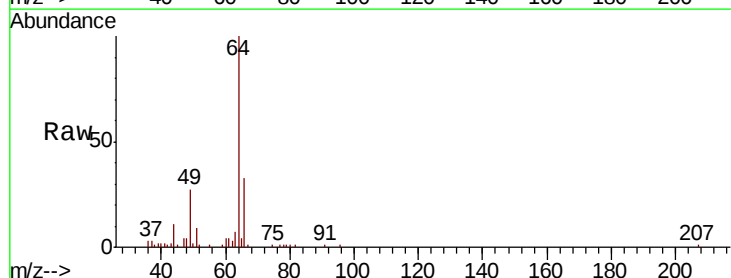
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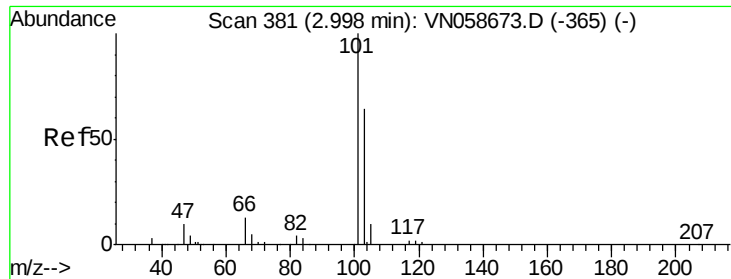
Tgt Ion: 64 Resp: 72359

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8





#7

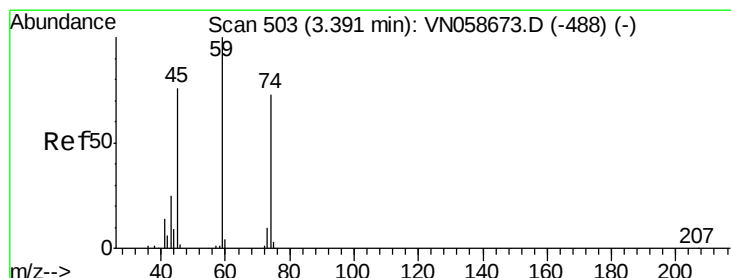
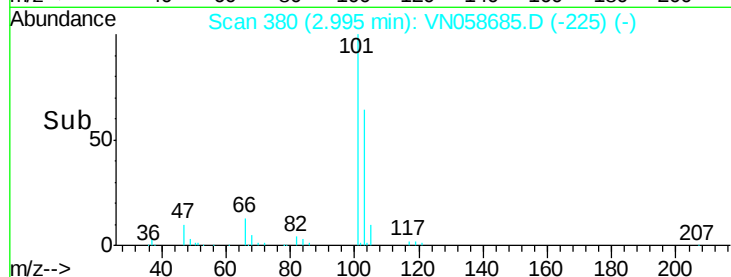
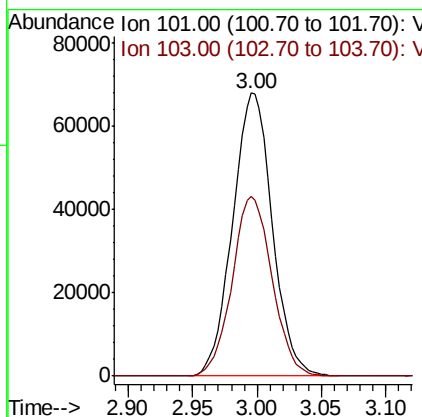
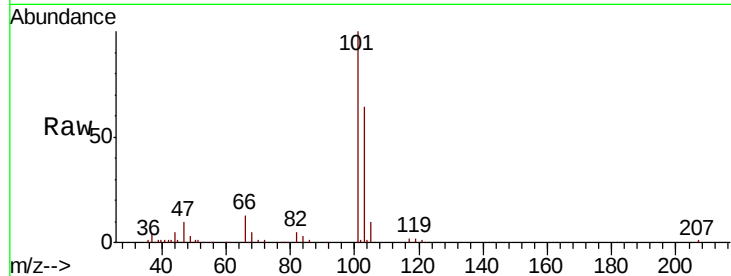
Trichlorofluoromethane
 Concen: 21.332 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.5	77.3

Manual Integrations
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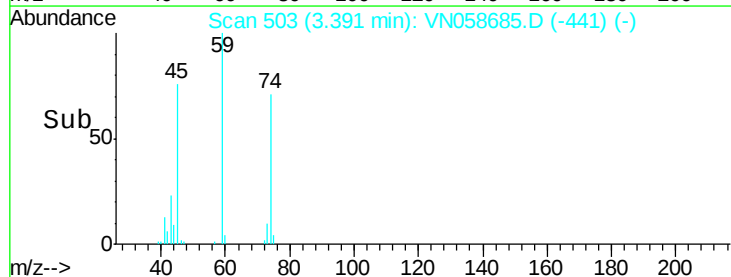
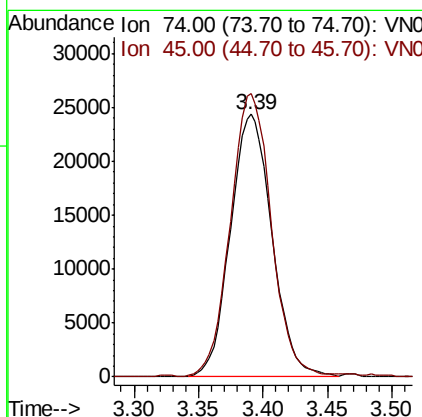
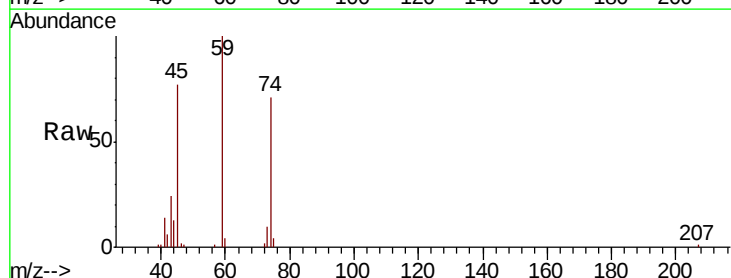
MMDadoda
 10/11/2019 2:47:00 PM

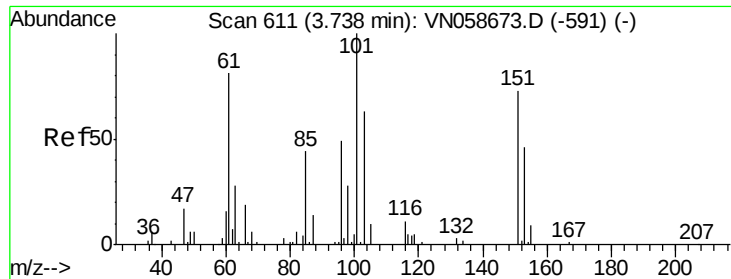


#8

Diethyl Ether
 Concen: 20.988 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.833 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

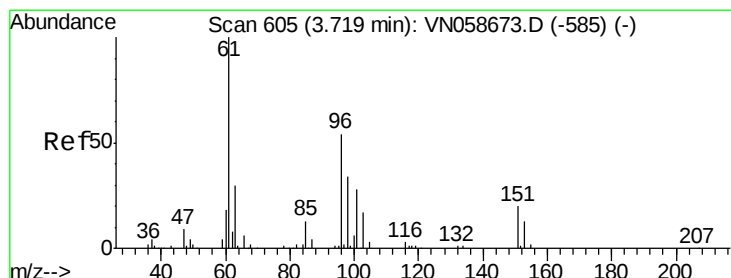
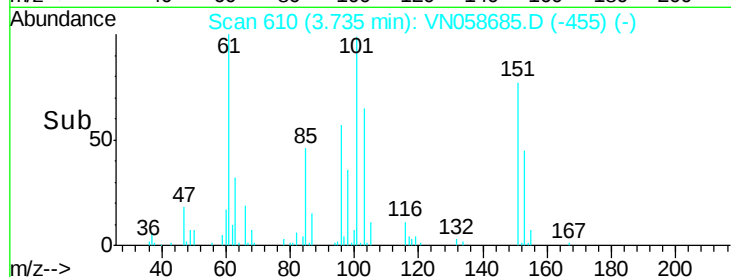
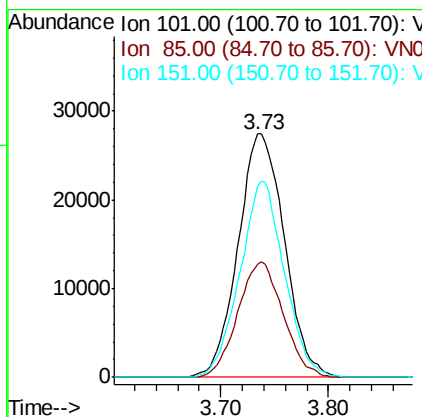
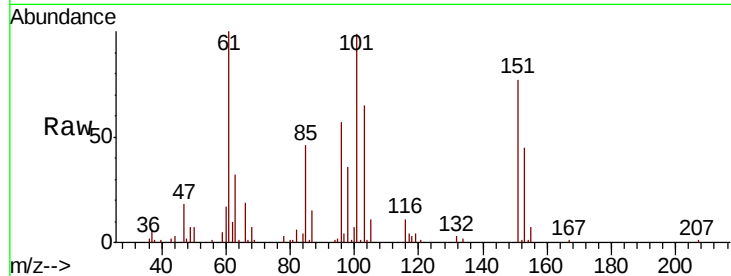
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	82106
Ion Ratio	Lower	Upper	
101	100		
85	46.3	0.0	93.8
151	76.8	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.724 ug/l

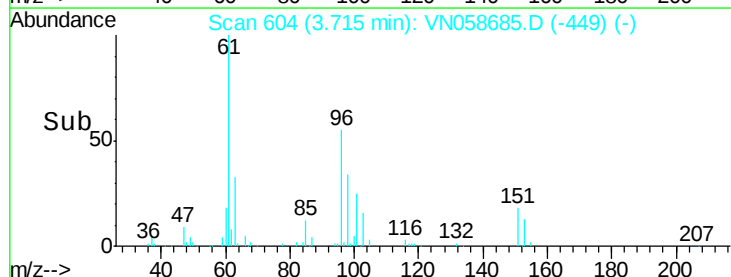
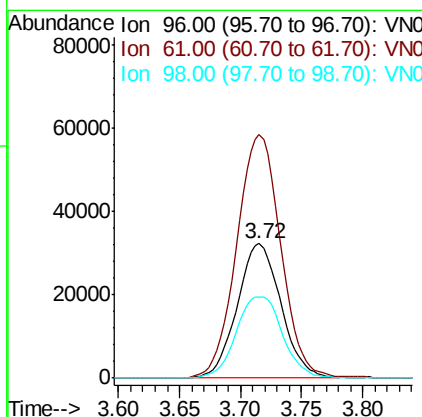
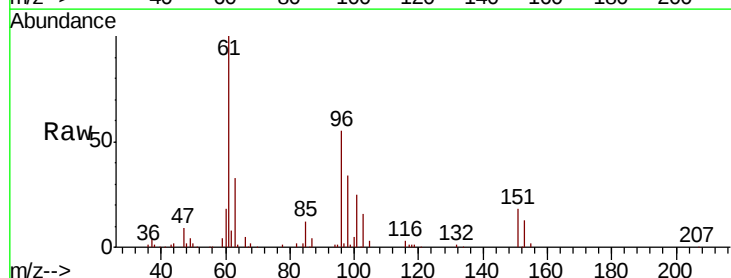
RT: 3.72 min Scan# 604

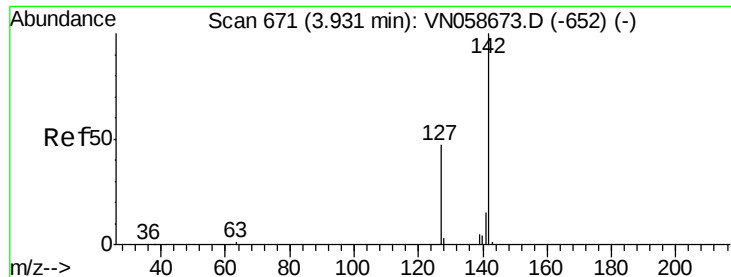
Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	96	Resp:	80220
Ion Ratio	Lower	Upper	
96	100		
61	180.7	148.5	222.7
98	60.8	51.0	76.6





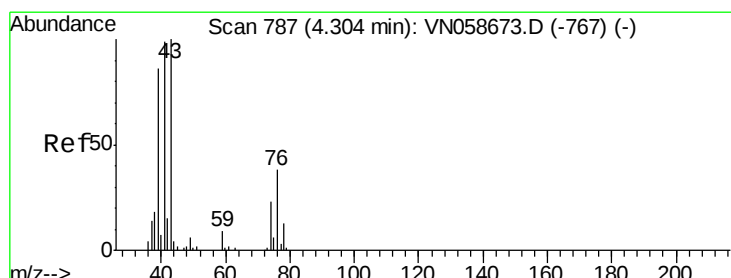
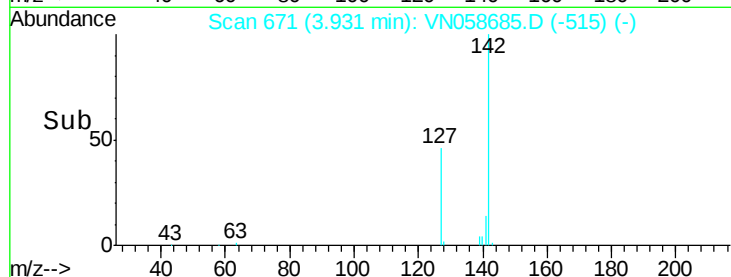
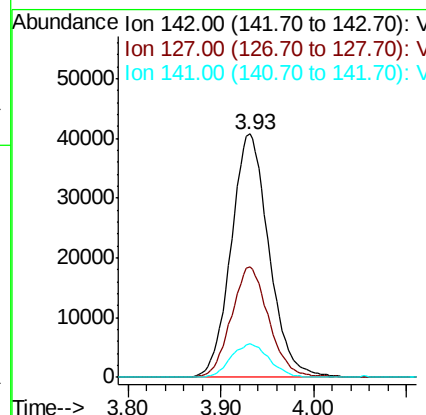
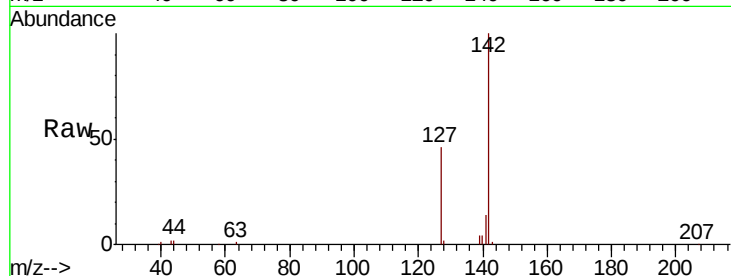
#11
Methvl Iodide
Concen: 21.388 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.6	23.5	70.6
141	13.7	7.4	22.2

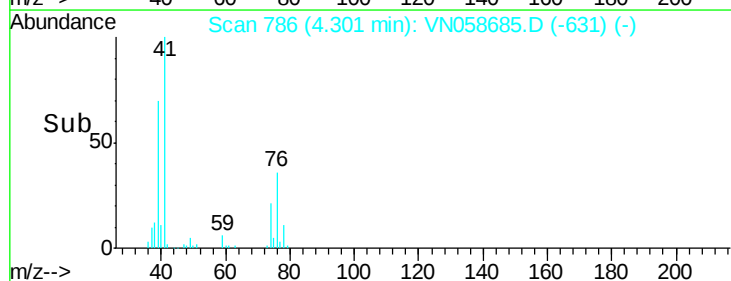
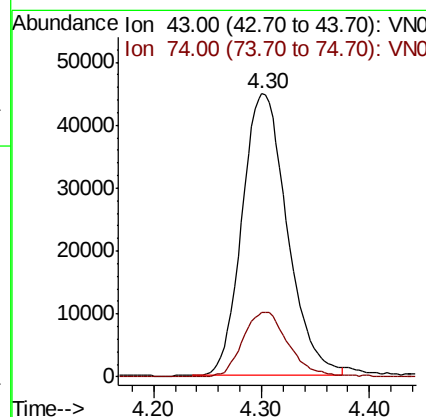
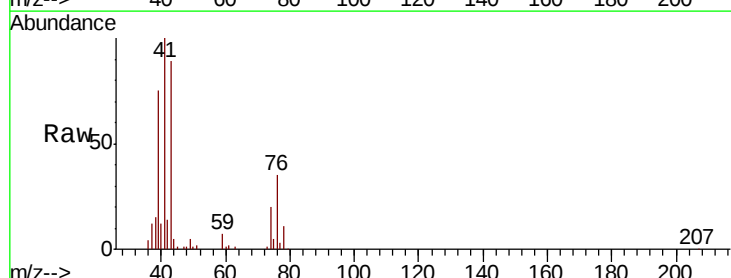
Manual Integrations
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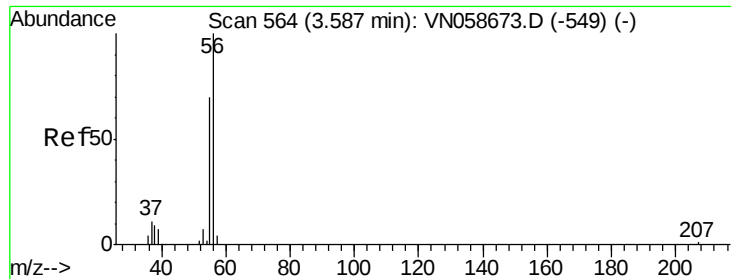
MMDadoda
10/11/2019 2:47:00 PM



#12
Methyl Acetate
Concen: 20.992 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.1	27.1





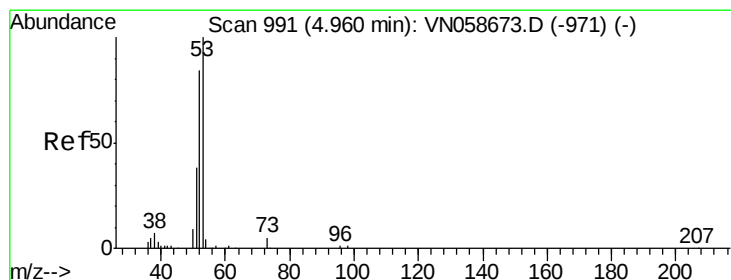
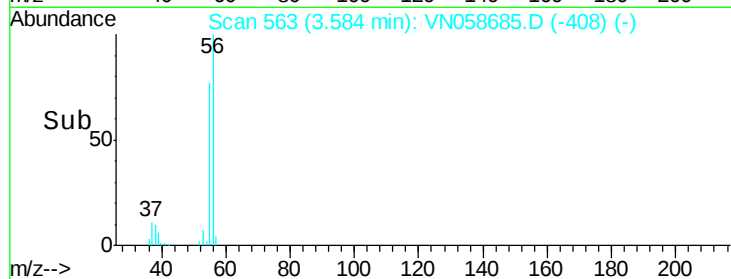
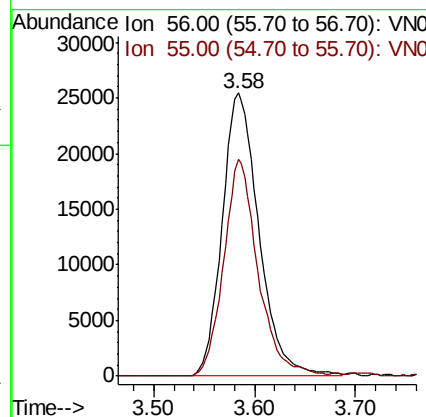
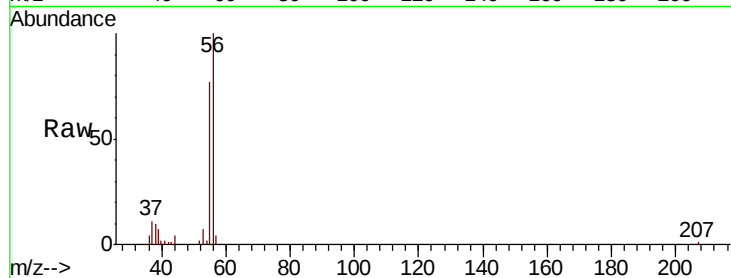
#13
Acrolein
Concen: 94.290 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	56	Resp	64520
Ion Ratio	100	Lower	Upper
55	70.6	55.9	83.9

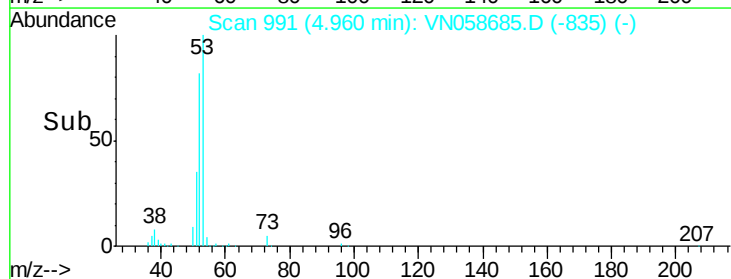
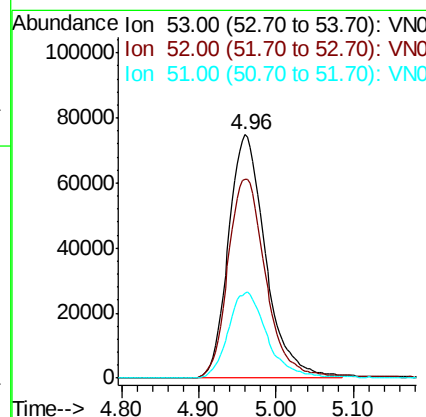
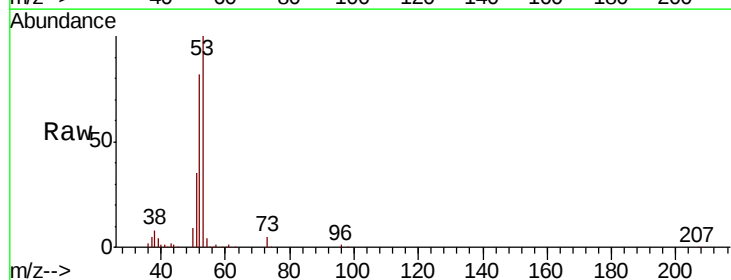
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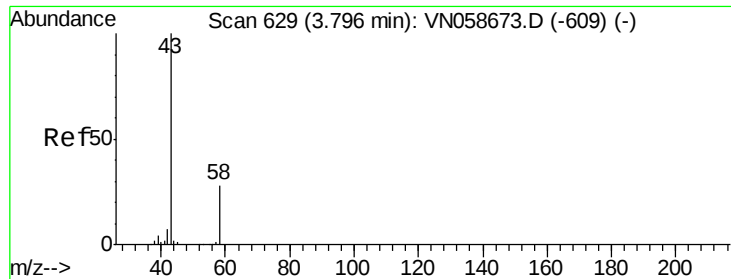
MMDadoda
10/11/2019 2:47:00 PM



#14
Acrylonitrile
Concen: 102.169 ug/l
RT: 4.96 min Scan# 991
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	53	Resp	249312
Ion Ratio	100	Lower	Upper
52	82.9	42.2	126.6
51	36.8	18.8	56.4





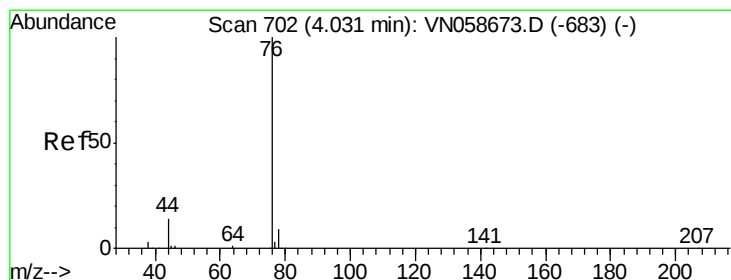
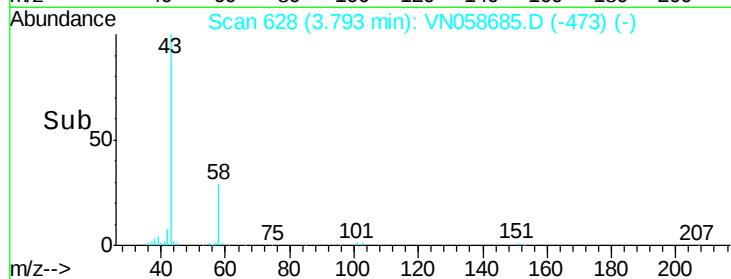
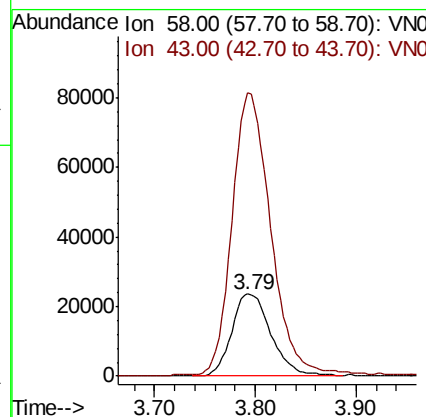
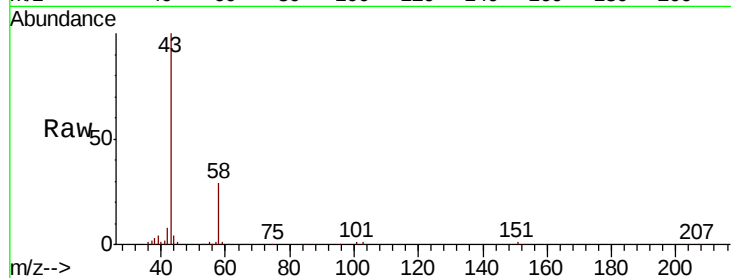
#15
Acetone
Concen: 88.646 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 64210
Ion Ratio Lower Upper
58 100
43 343.9 281.7 422.5

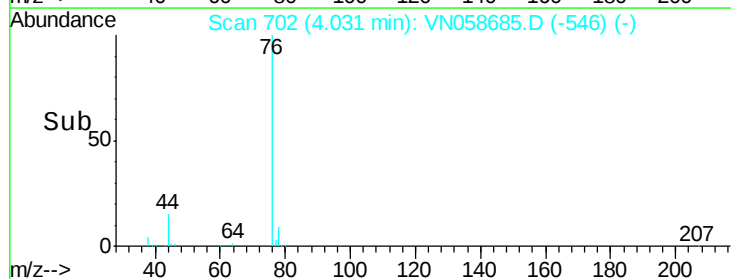
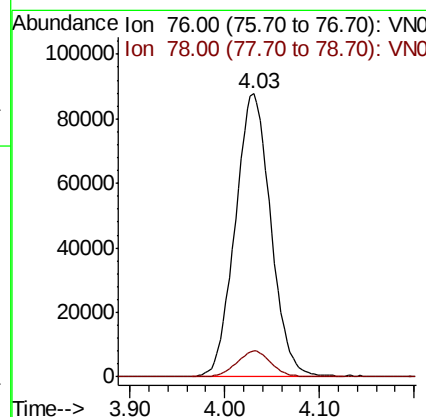
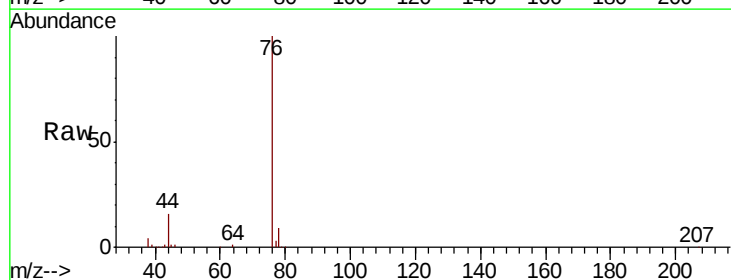
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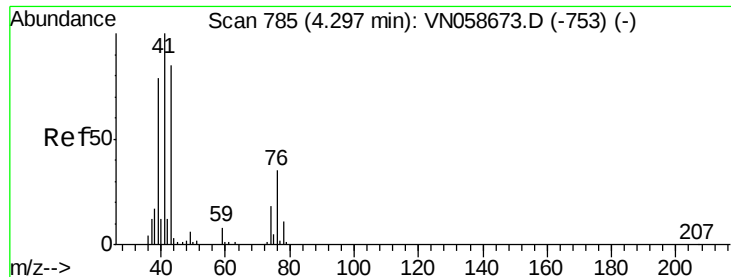
MMDadoda
10/11/2019 2:47:00 PM



#16
Carbon Disulfide
Concen: 20.308 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion: 76 Resp: 229281
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





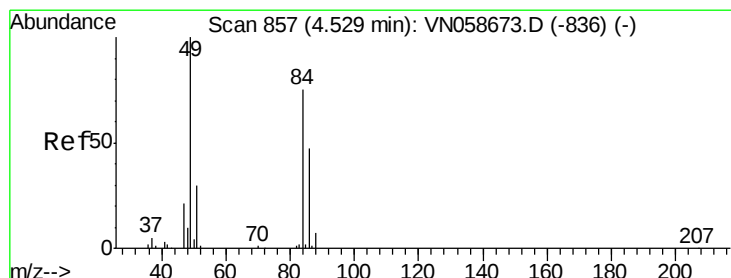
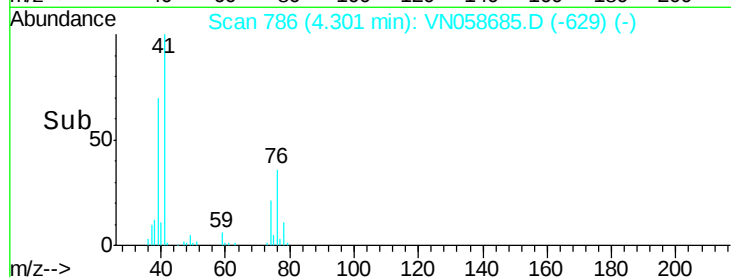
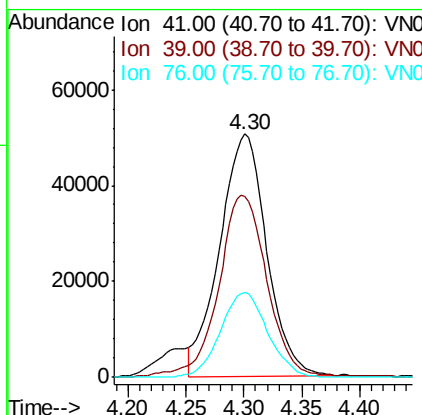
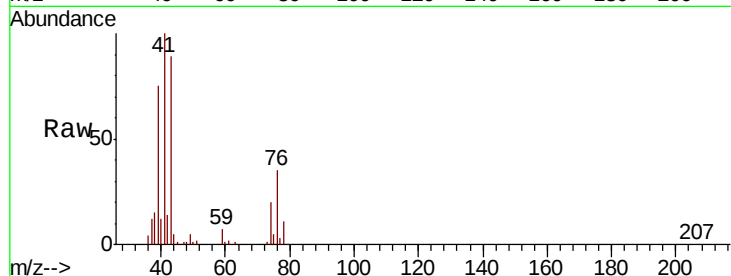
#17
Allvl chloride
Concen: 18.439 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.3	39.6	118.8
76	34.9	17.6	52.9

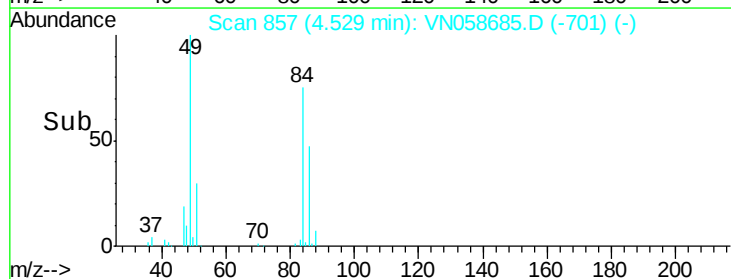
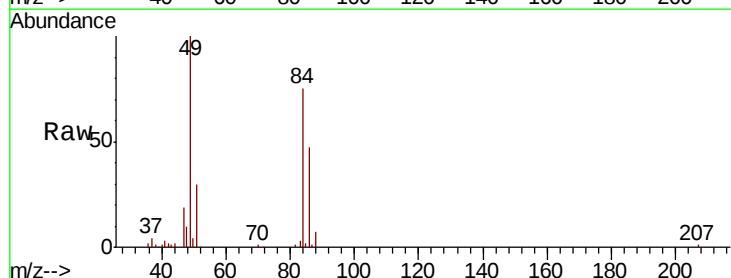
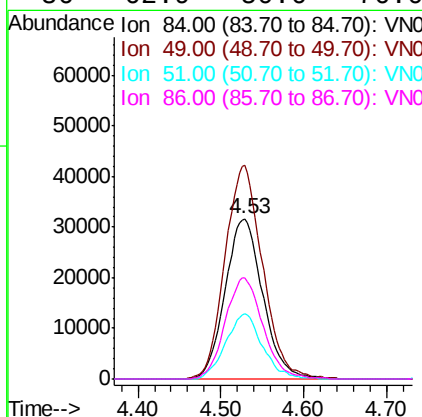
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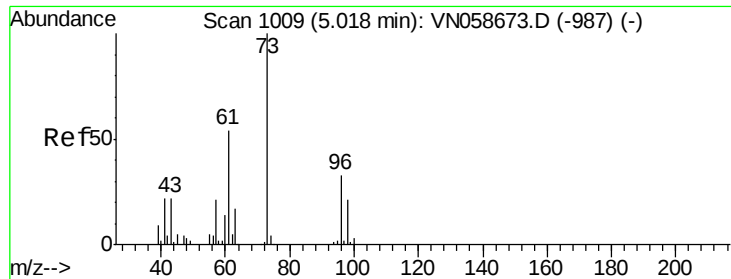
MMDadoda
10/11/2019 2:47:00 PM



#18
Methylene Chloride
Concen: 21.317 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.6	160.0
51	40.5	32.4	48.6
86	62.9	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 20.928 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 88190

Ion Ratio Lower Upper

96 100

61 160.0 131.8 197.6

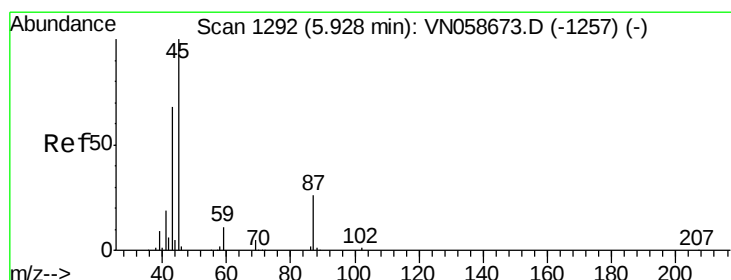
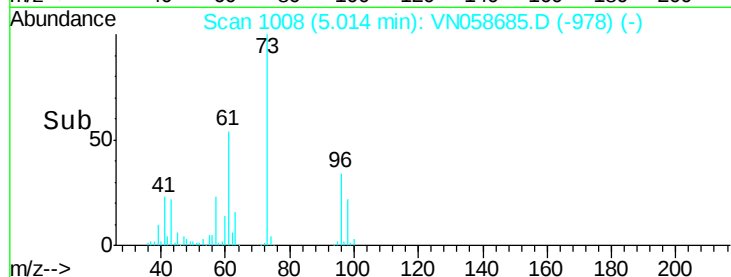
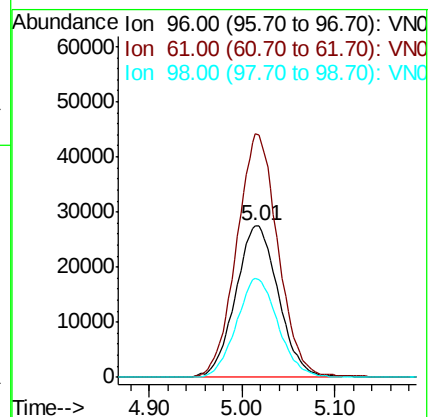
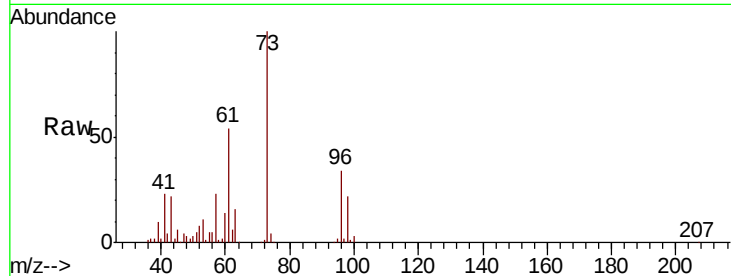
98 65.5 52.6 79.0

Manual Integrations

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MMDadoda

10/11/2019 2:47:00 PM



#20

Diisopropyl ether

Concen: 20.854 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion: 45 Resp: 327348

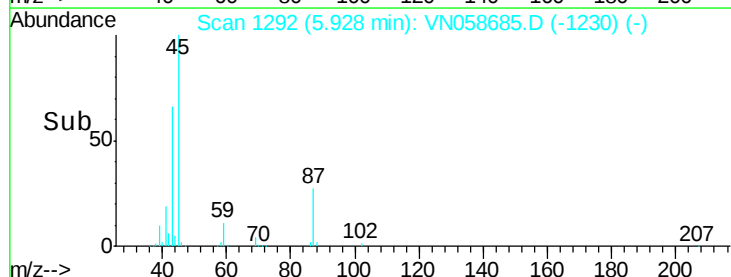
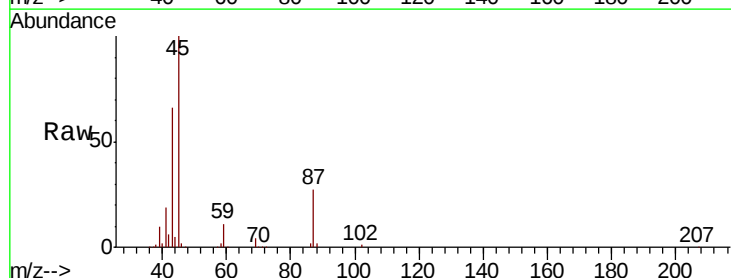
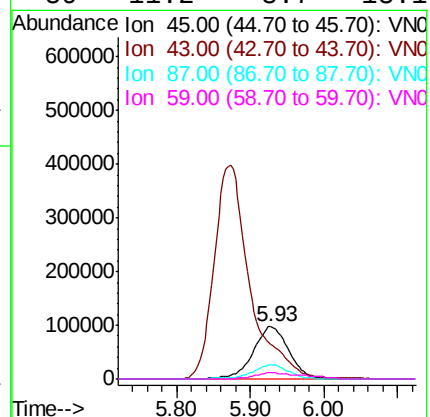
Ion Ratio Lower Upper

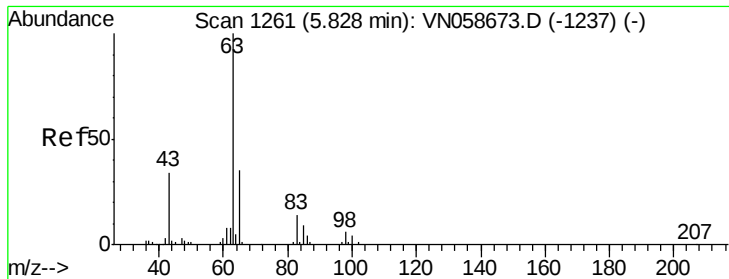
45 100

43 63.8 54.7 82.1

87 26.8 21.5 32.3

59 11.2 8.7 13.1





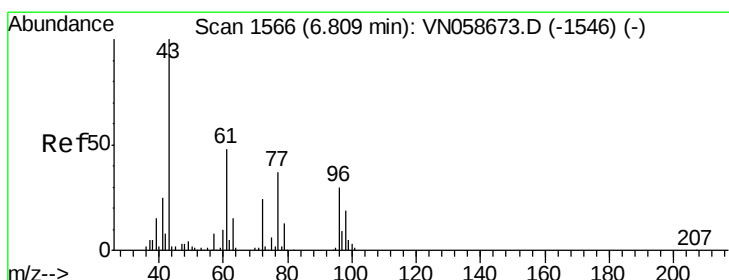
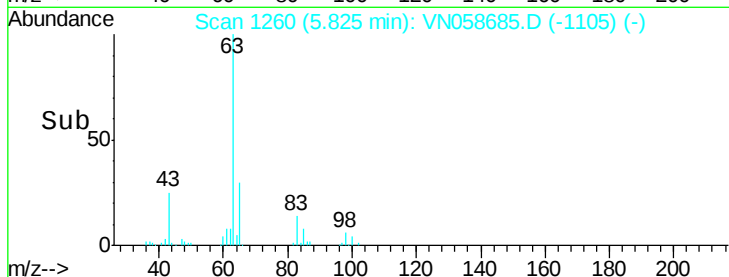
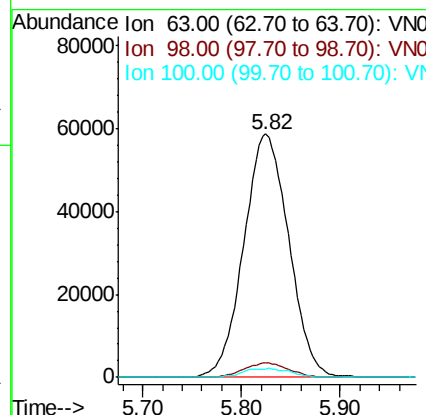
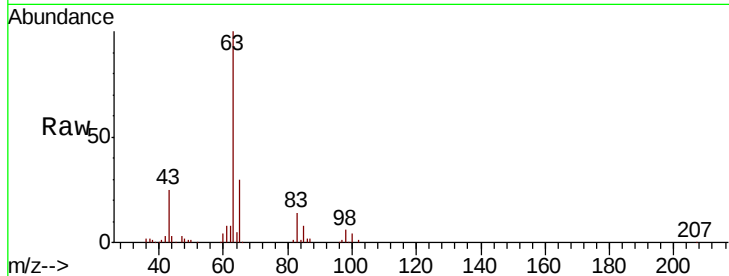
#21
 1,1-Dichloroethane
 Concen: 21.329 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	185397		
98	6.1		2.9	8.6
100	3.6		1.8	5.5

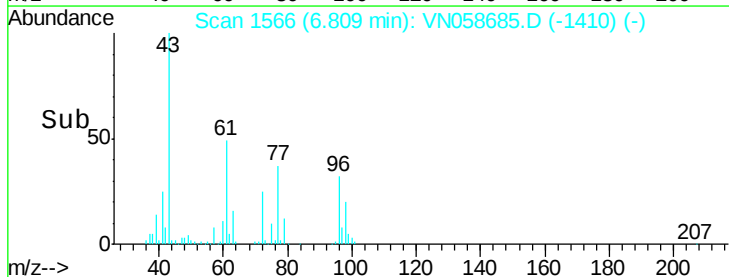
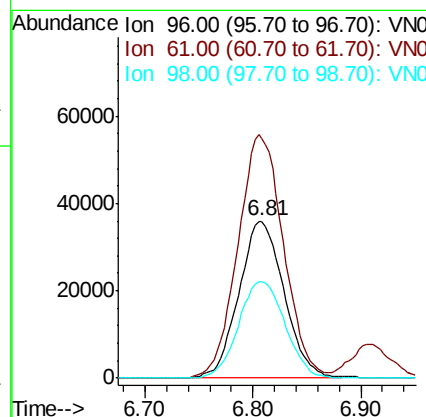
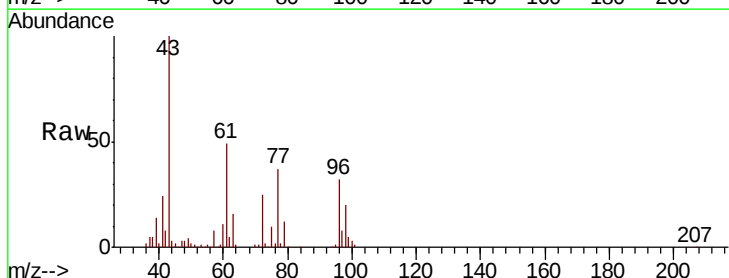
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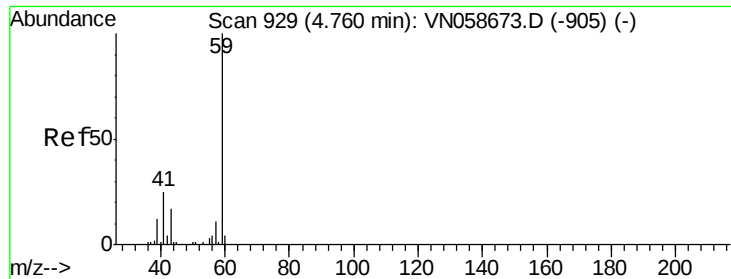
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 10/11/2019 2:47:00 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.801 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104509		
61	156.3		127.2	190.8
98	63.5		50.5	75.7





#23

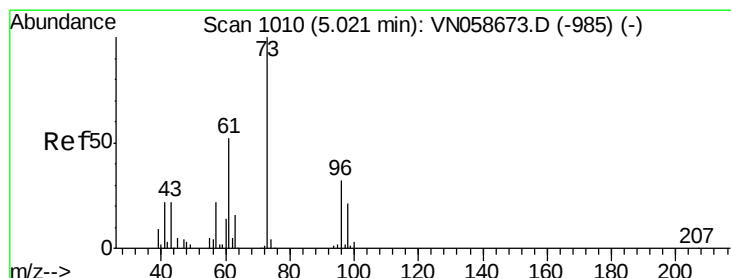
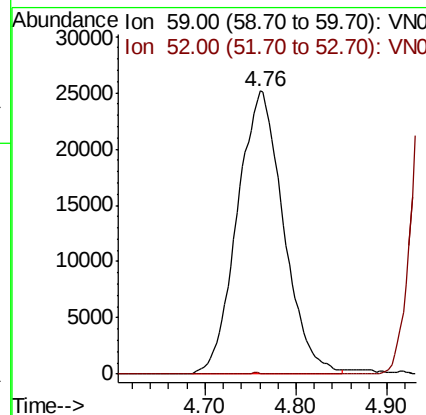
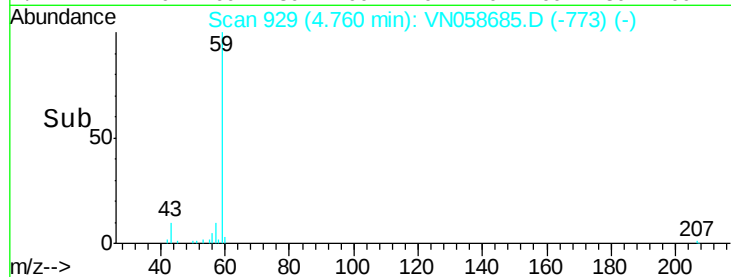
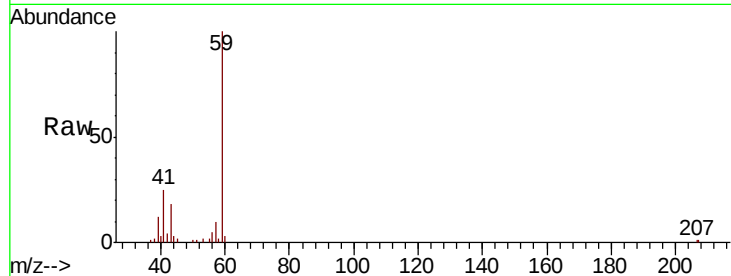
tert-Butyl Alcohol
Concen: 88.935 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		88766		
52	0.1		0.0	0.0	0.0

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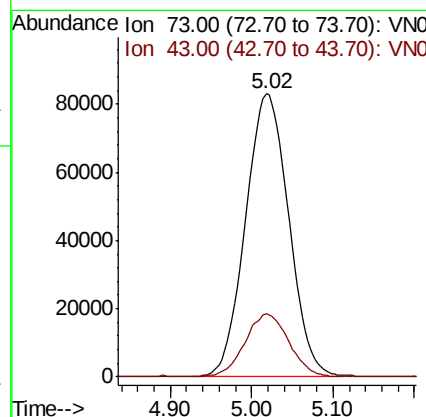
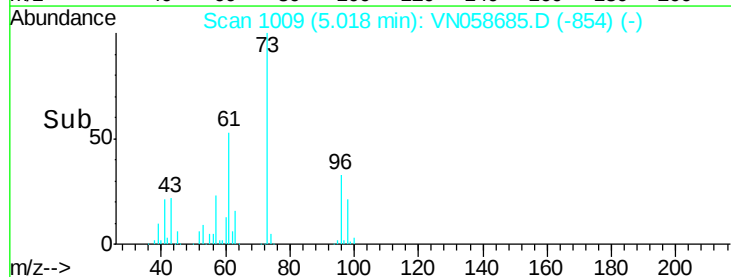
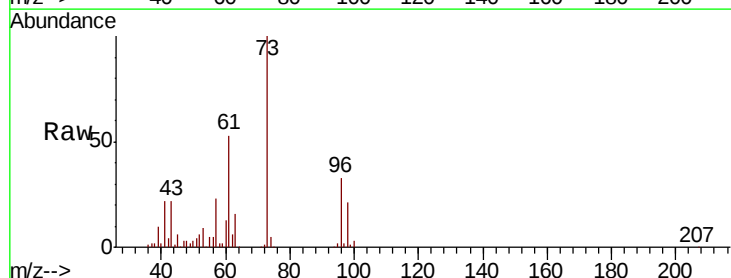
MMDadoda
10/11/2019 2:47:00 PM

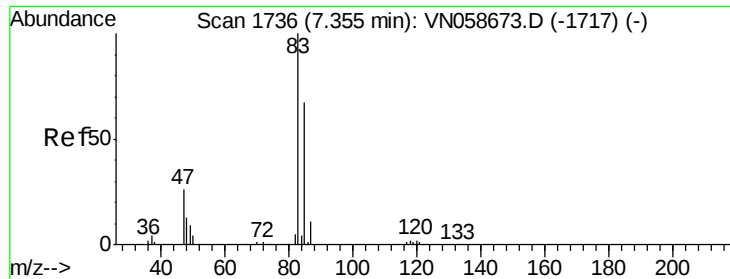


#24

Methyl tert-Butyl Ether
Concen: 21.140 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		305273		
43	21.8		17.9	26.9	





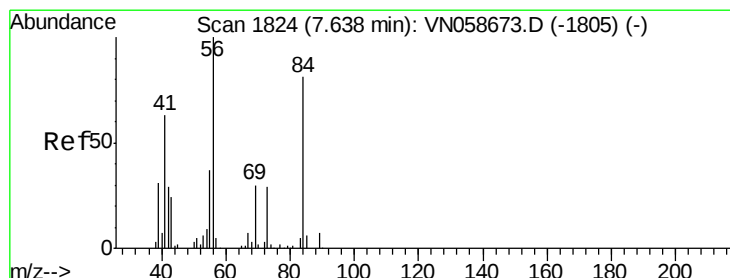
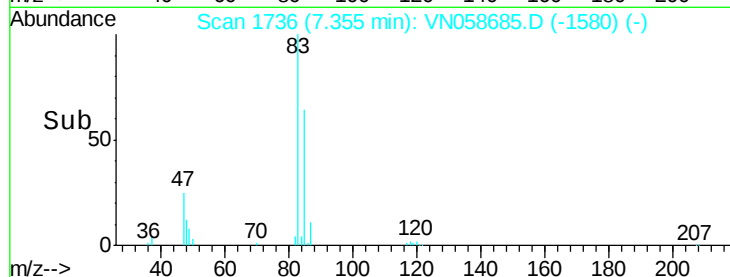
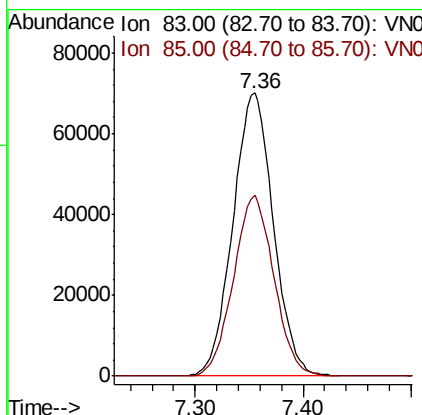
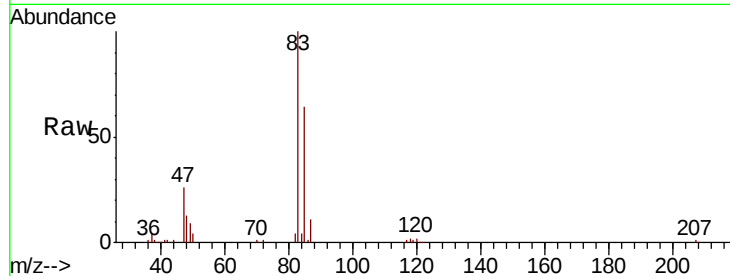
#25
Chloroform
Concen: 21.099 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	182911
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	53.8	80.8

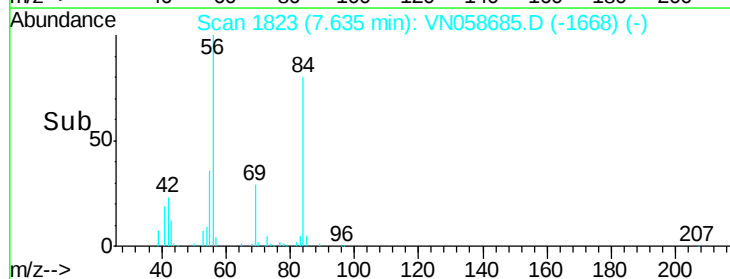
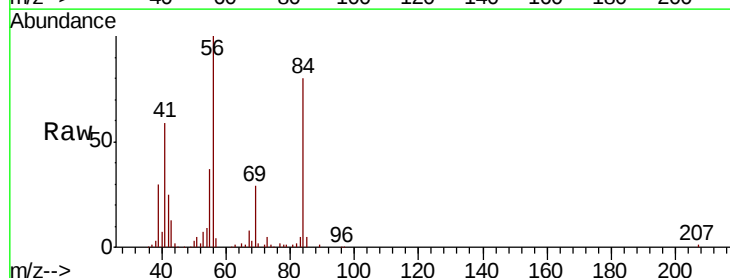
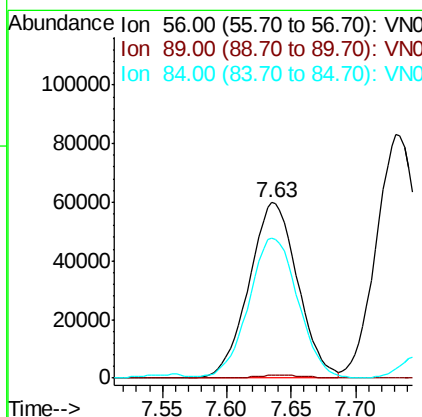
Manual Integrations
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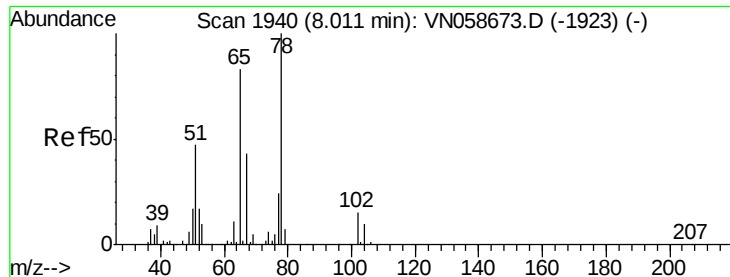
MMDadoda
10/11/2019 2:47:00 PM



#26
Cyclohexane
Concen: 20.617 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	56	Resp	157295
Ion Ratio	100	Lower	Upper
56	100		
89	0.7	6.2	9.2#
84	81.2	65.6	98.4





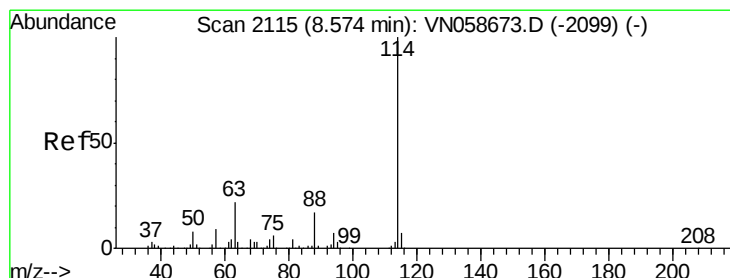
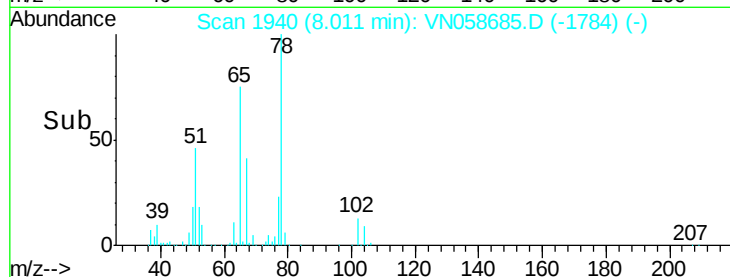
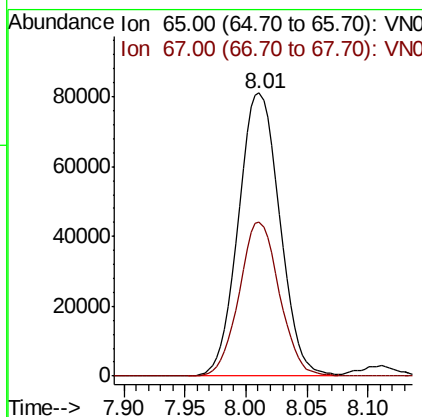
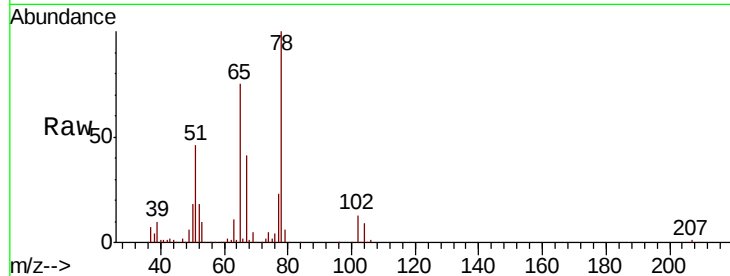
#27
 1,2-Dichloroethane-d4
 Concen: 30.373 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190710		
67	52.8	41.5	62.3	

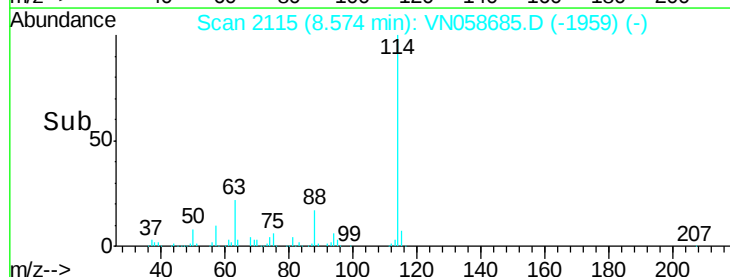
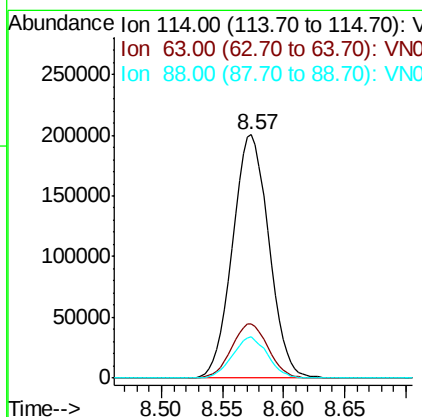
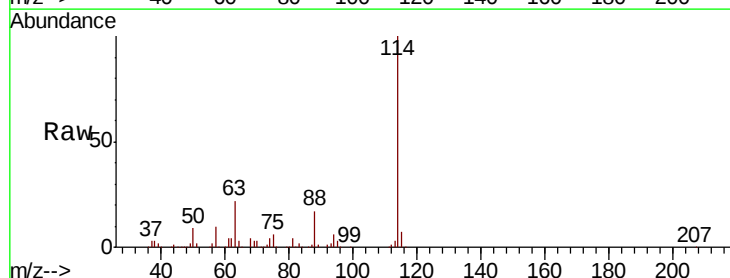
Manual Integrations
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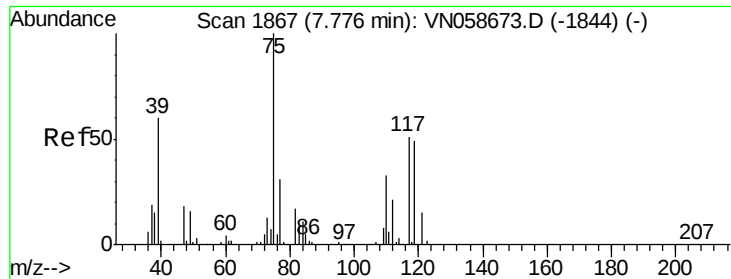
MMDadoda
 10/11/2019 2:47:00 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	415456		
63	22.4	18.1	27.1	
88	16.3	13.0	19.4	





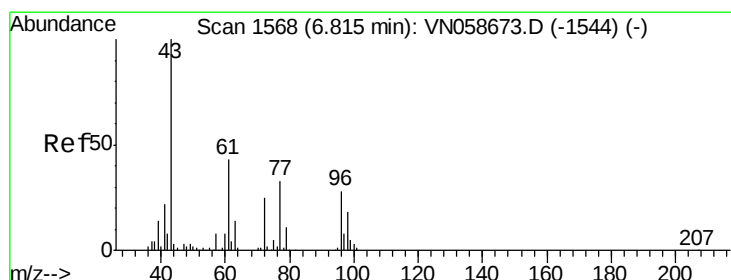
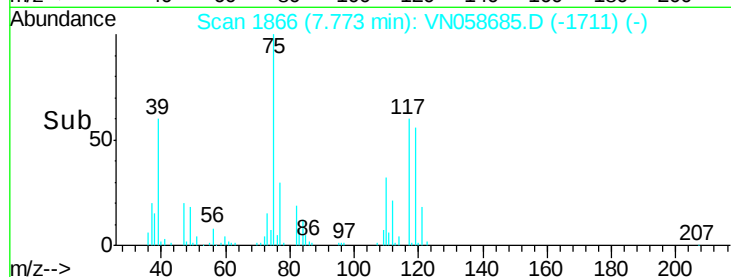
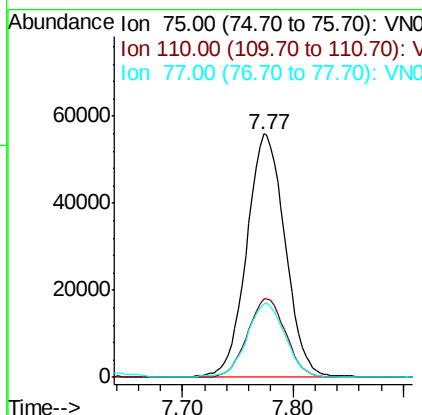
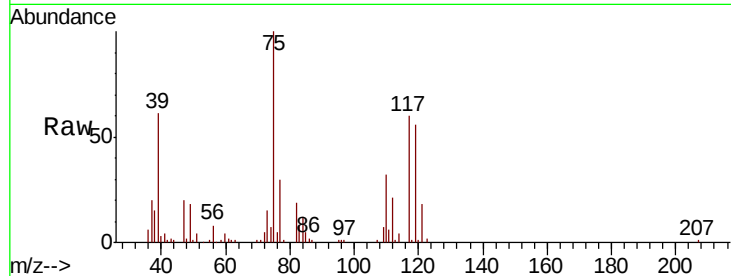
#29
 1,1-Dichloropropene
 Concen: 20.714 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	0.0	64.6
77	30.6	0.0	60.8

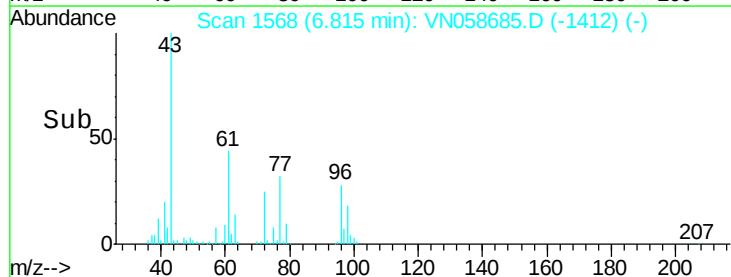
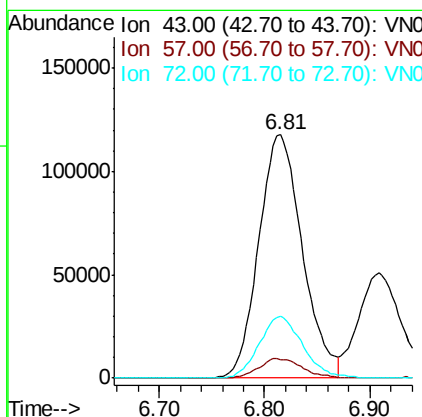
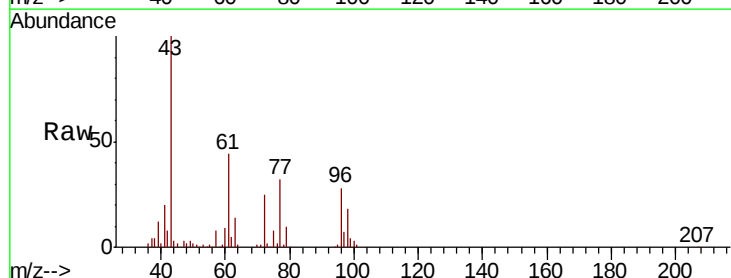
Manual Integrations
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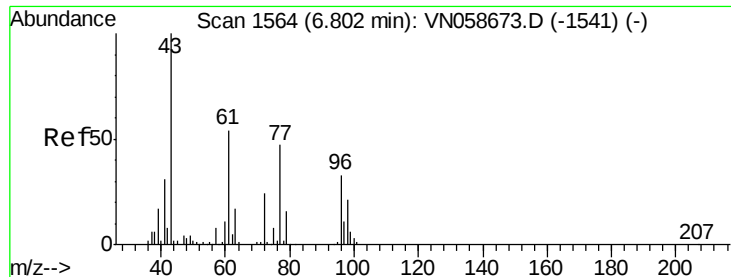
MMDadoda
 10/11/2019 2:47:00 PM



#30
 2-Butanone
 Concen: 91.636 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.4	20.1	30.1





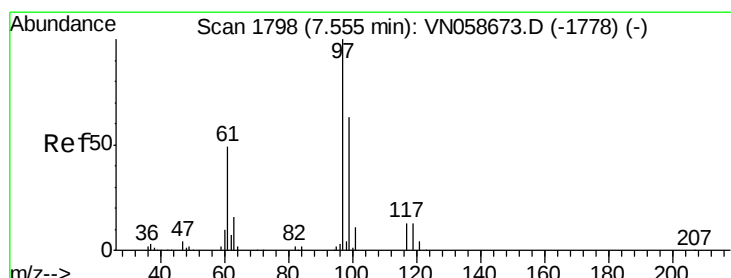
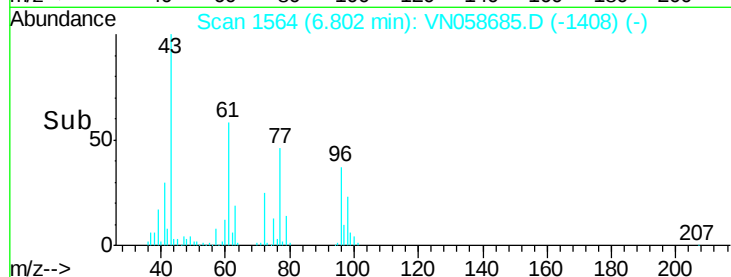
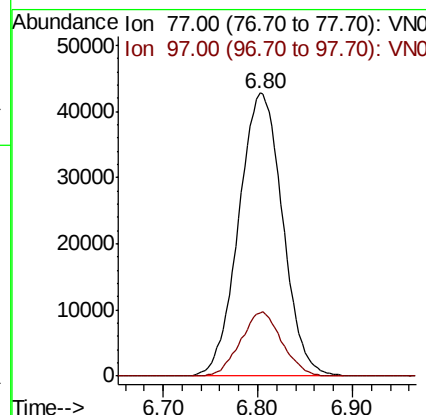
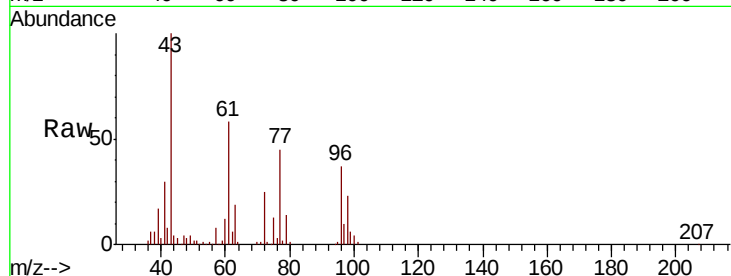
#31
 2,2-Dichloropropane
 Concen: 17.900 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.3	17.9	26.9

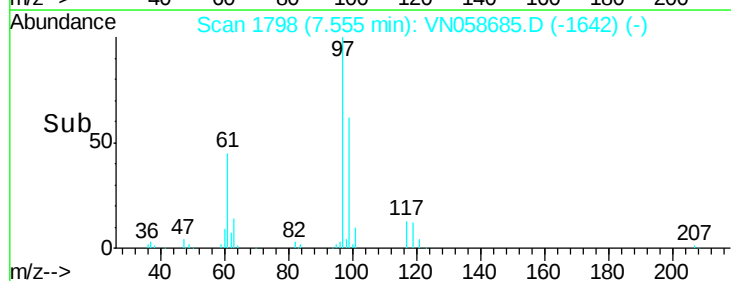
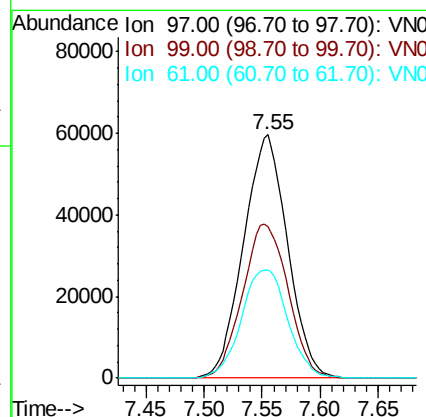
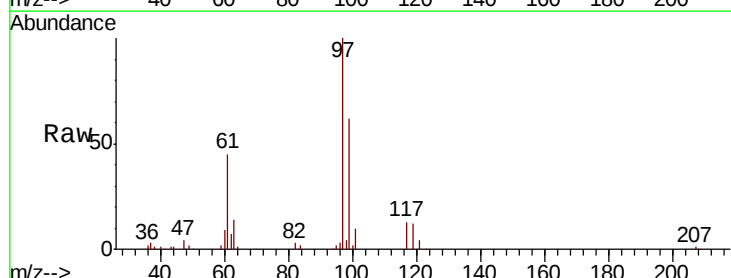
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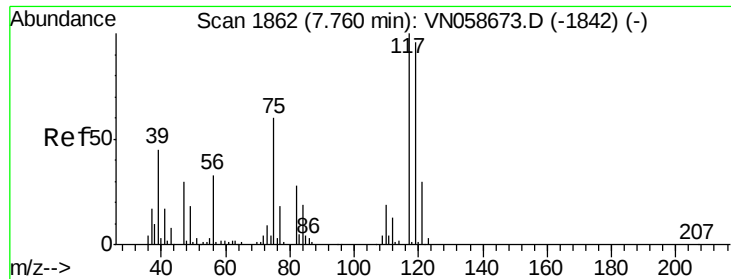
MMDadoda
 10/11/2019 2:47:00 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.836 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	47.1	38.4	57.6





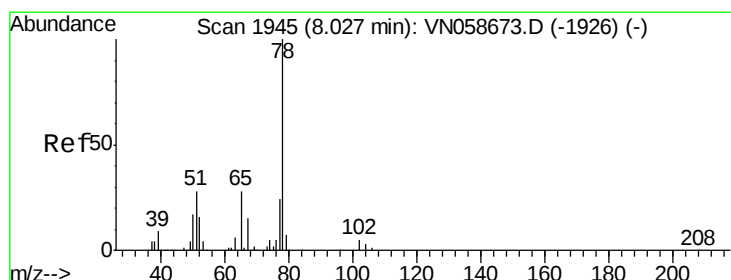
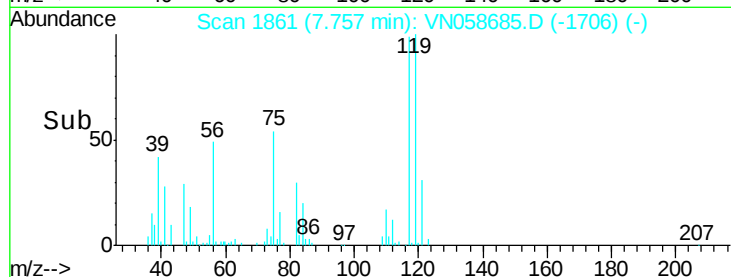
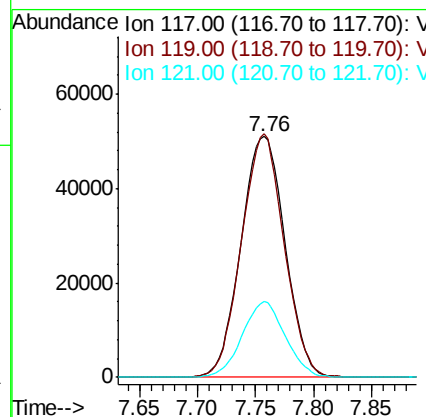
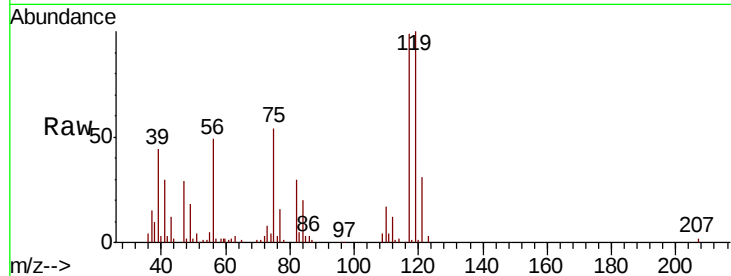
#33
Carbon Tetrachloride
Concen: 20.589 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.9	76.9	115.3
121	31.6	23.8	35.8

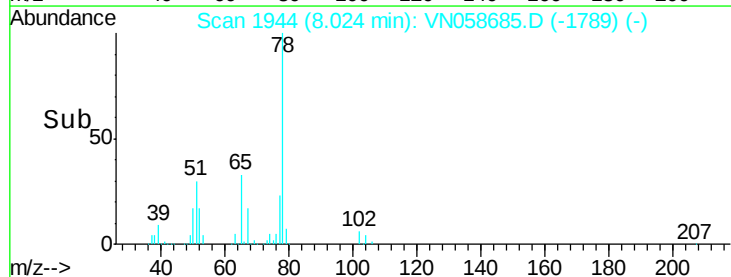
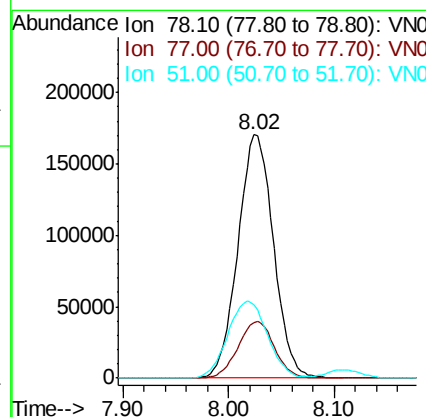
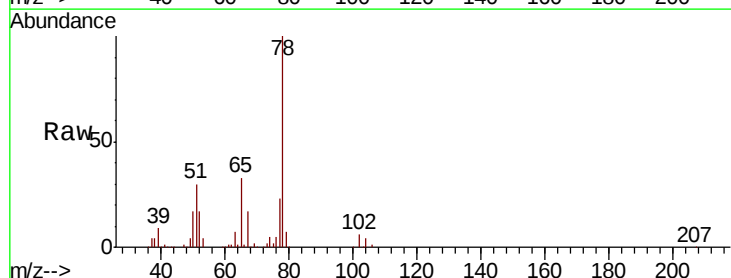
Manual Integrations
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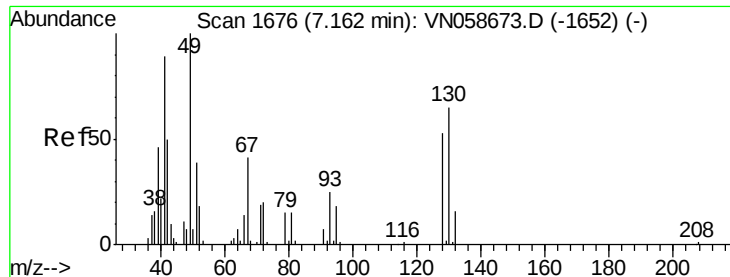
MMDadoda
10/11/2019 2:47:00 PM



#34
Benzene
Concen: 20.736 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8
51	29.7	22.1	33.1





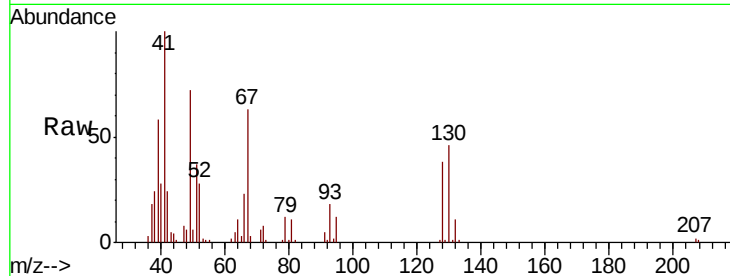
#35
Methacrylonitrile
Concen: 15.333 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

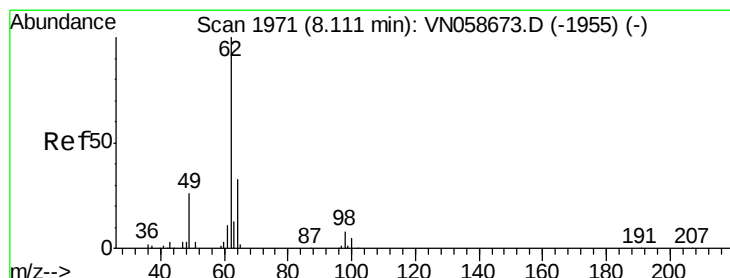
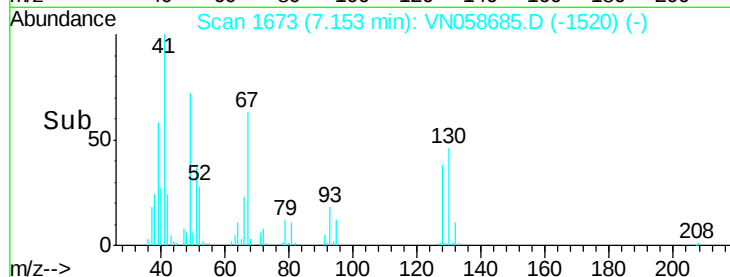
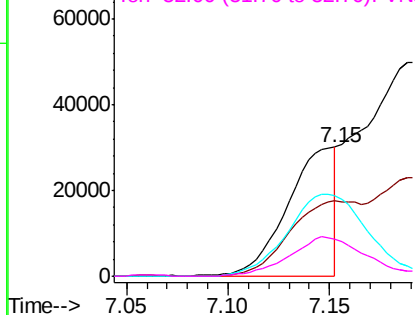
Tot Ion	41	Resp	50057
Ion	Ratio	Lower	Upper
41	100		
39	58.4	25.8	77.4
67	62.6	23.0	69.0
52	28.4	10.1	30.1

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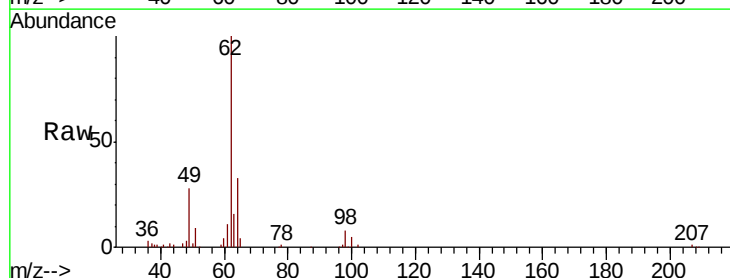


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

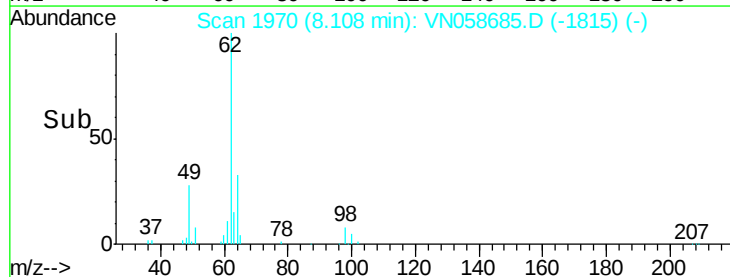
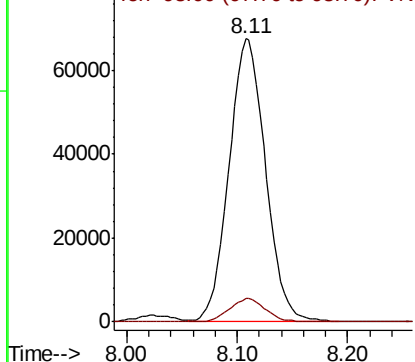


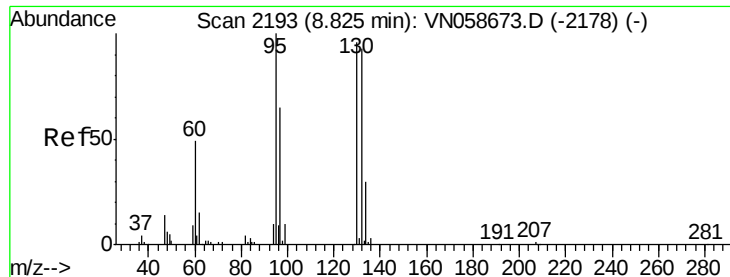
#36
1,2-Dichloroethane
Concen: 20.950 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	62	Resp	154223
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.823 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 98493

Ion Ratio Lower Upper

130 100

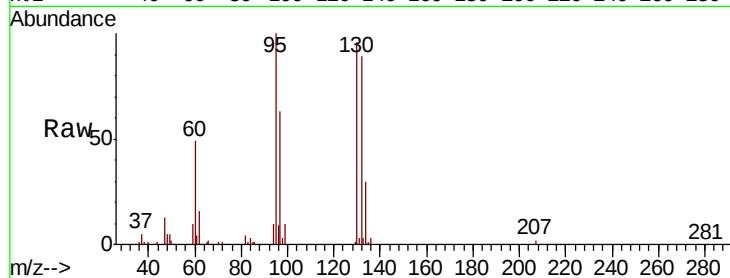
95 104.6 83.2 124.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

60000

50000

40000

30000

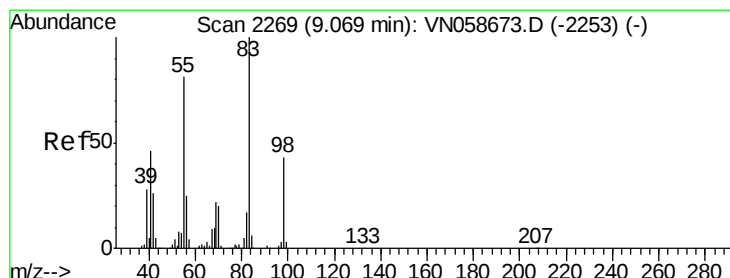
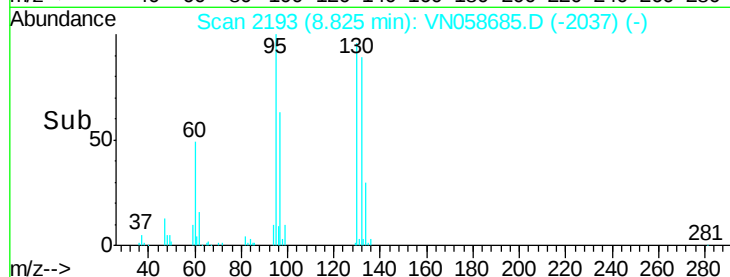
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.997 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

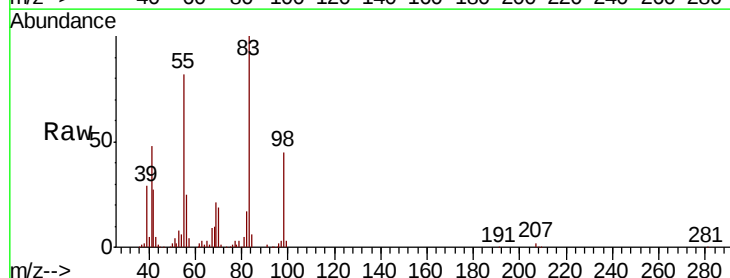
Tgt Ion: 83 Resp: 151627

Ion Ratio Lower Upper

83 100

55 81.5 40.4 121.1

98 44.6 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

80000

60000

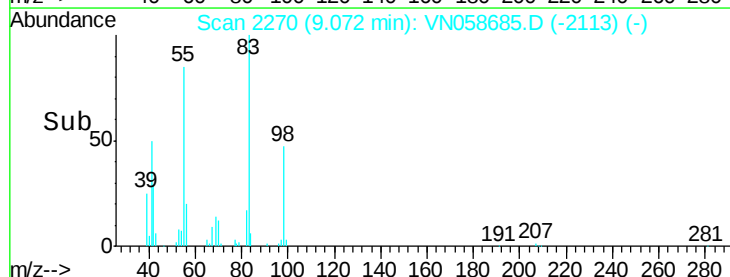
40000

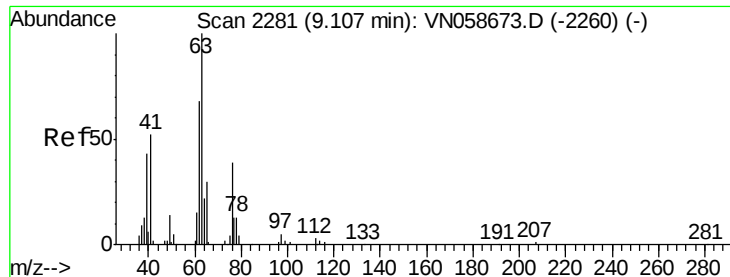
20000

0

9.00 9.05 9.10 9.15

Time-->





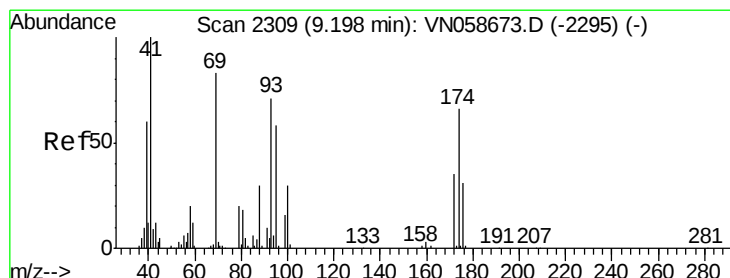
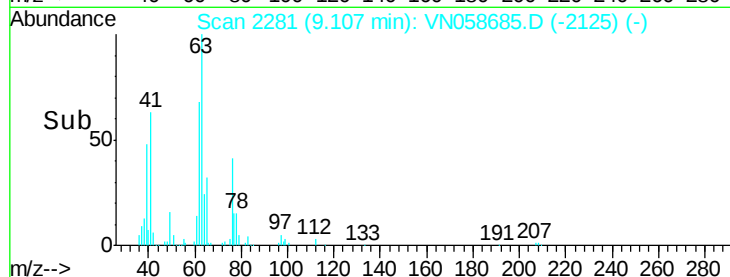
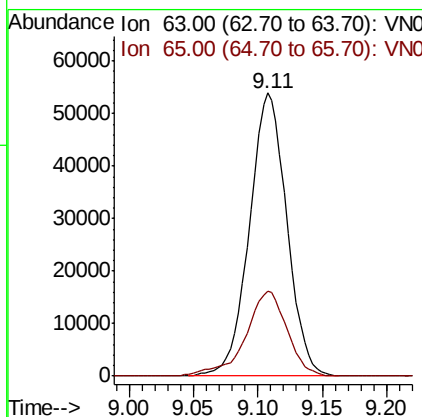
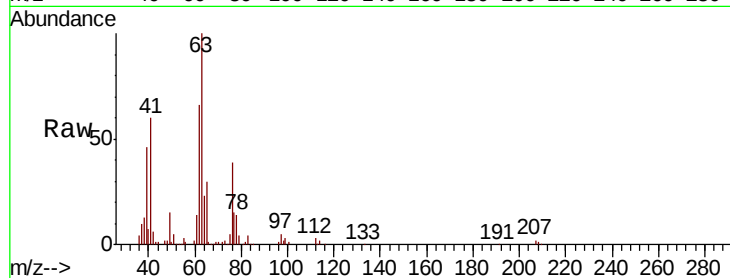
#39
 1,2-Dichloropropane
 Concen: 20.748 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	109169
Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.8	35.6

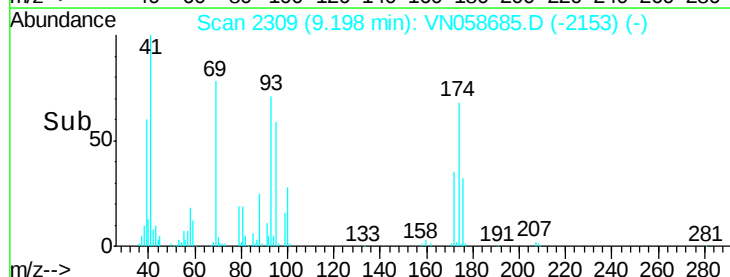
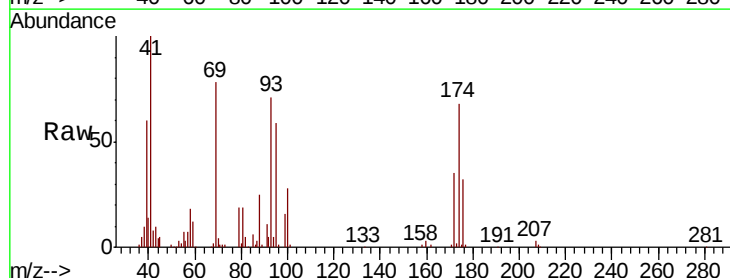
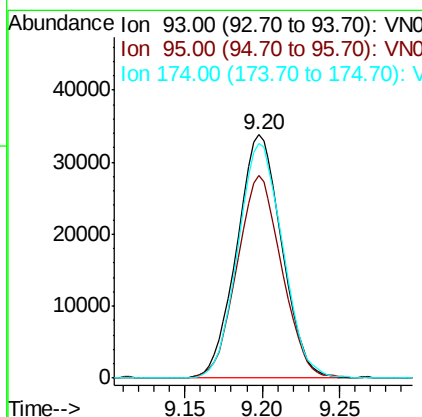
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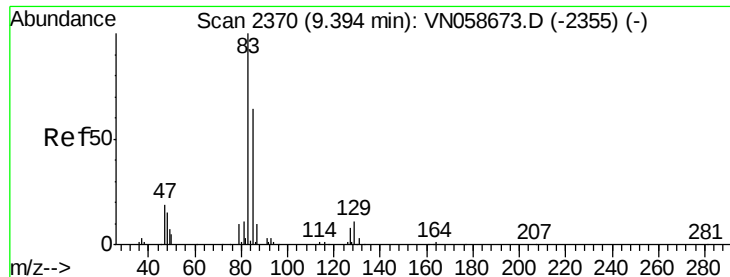
MMDadoda
 10/11/2019 2:47:00 PM



#40
 Dibromomethane
 Concen: 20.542 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	93	Resp	68233
Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	167.6
174	96.3	0.0	187.2





#41

Bromodichloromethane

Concen: 20.498 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

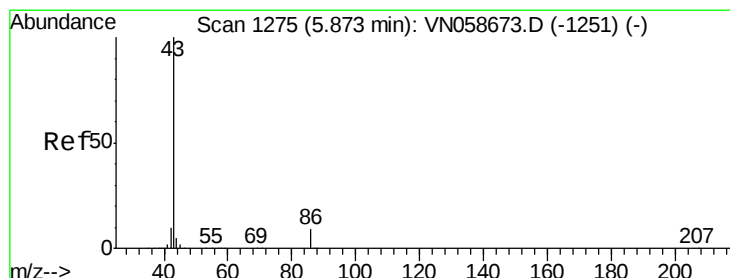
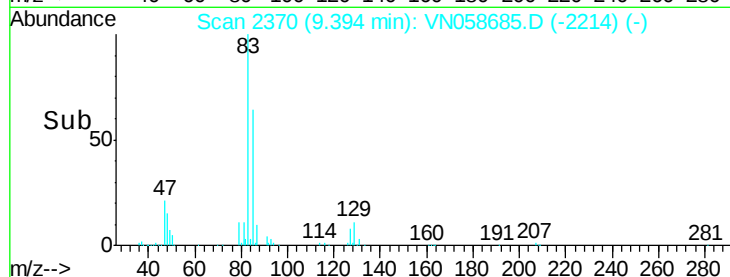
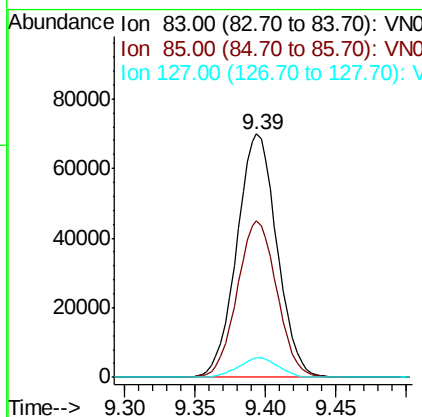
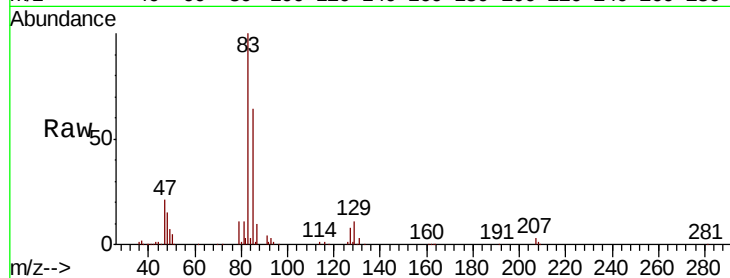
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	139097
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.0	76.4
127	7.9	6.6	9.8

Manual Integrations
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MMDadoda
10/11/2019 2:47:00 PM



#42

Vinyl Acetate

Concen: 103.752 ug/l

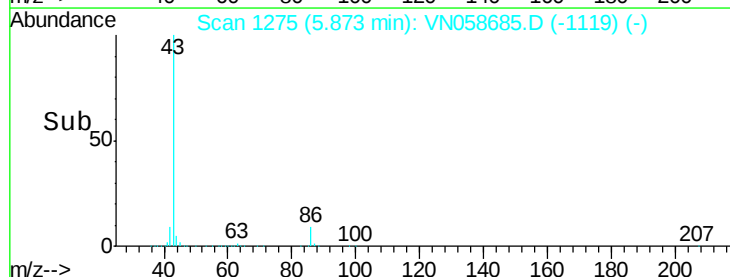
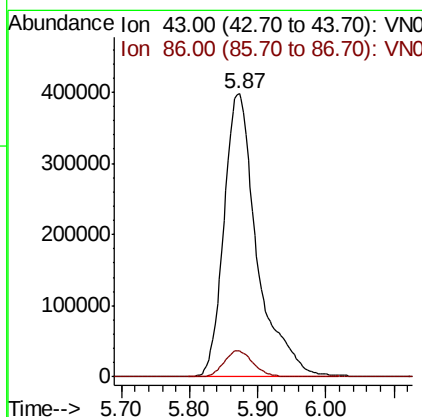
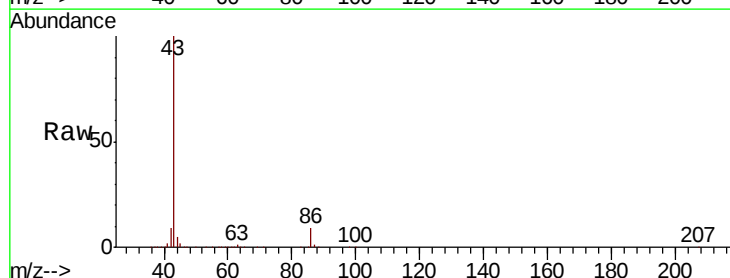
RT: 5.87 min Scan# 1275

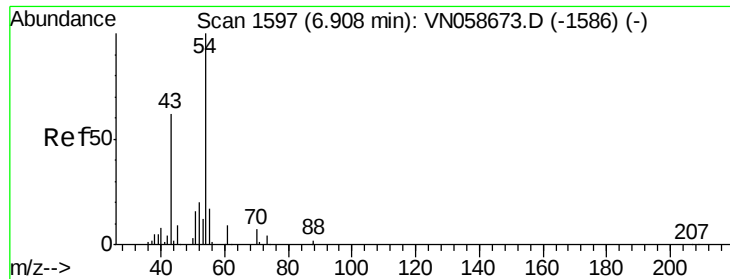
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	43	Resp:	1342871
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.5	9.7





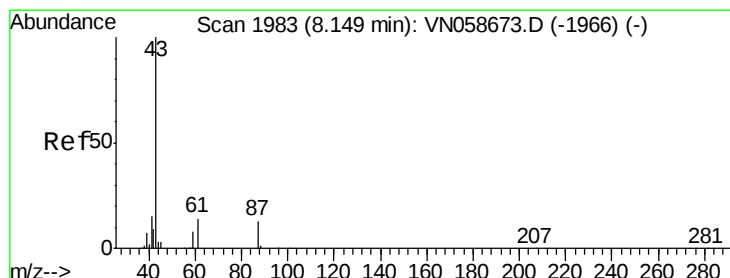
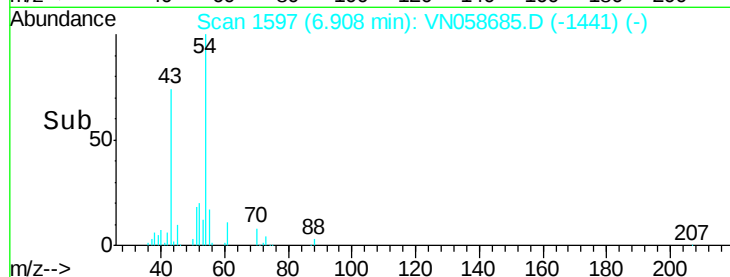
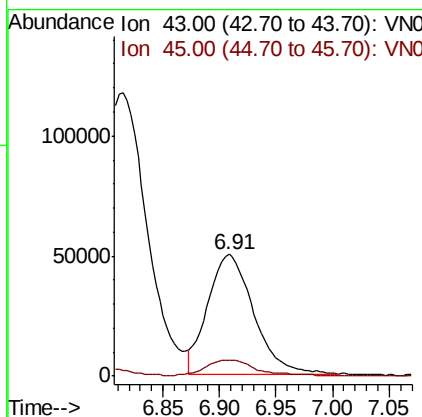
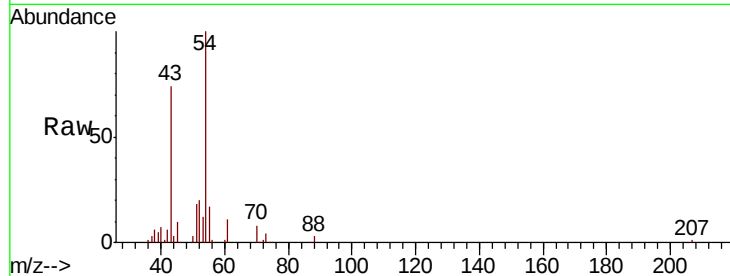
#43
Ethyl Acetate
Concen: 19.427 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
140918	100			
45	0.0	9.7	14.5#	

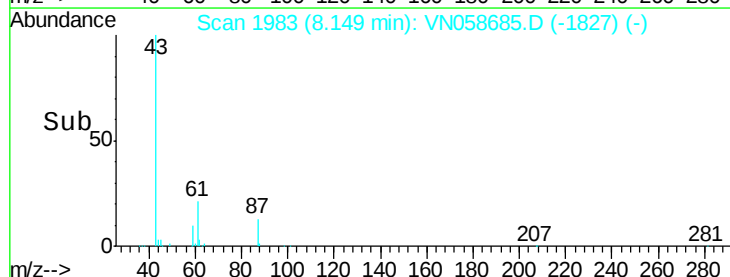
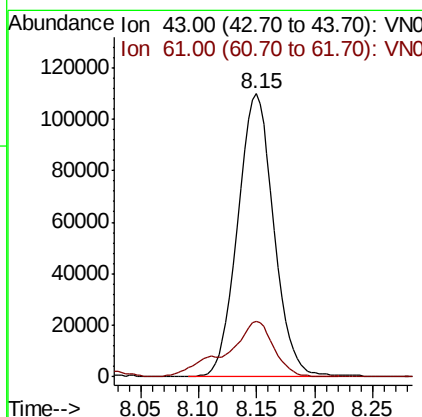
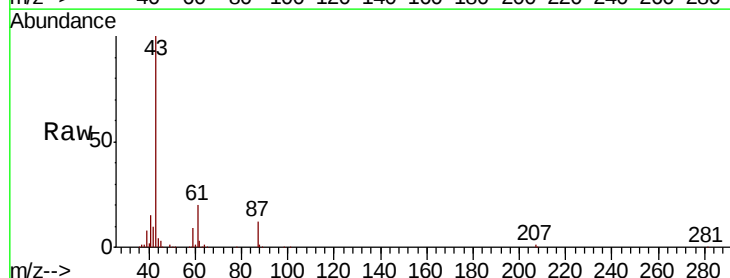
Manual Integrations
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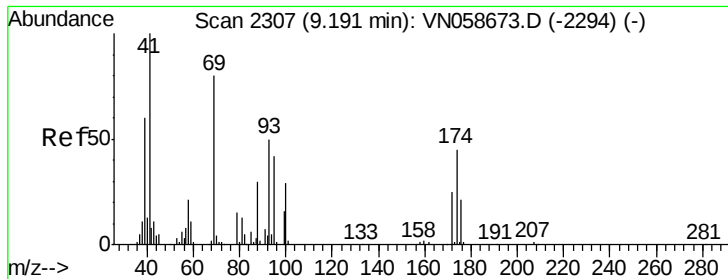
MMDadoda
10/11/2019 2:47:00 PM



#44
Isopropyl Acetate
Concen: 20.105 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	43	Ratio	Lower	Upper
236231	100			
61	20.1	19.9	29.9	





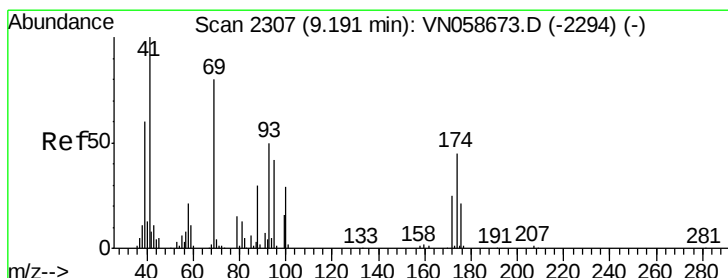
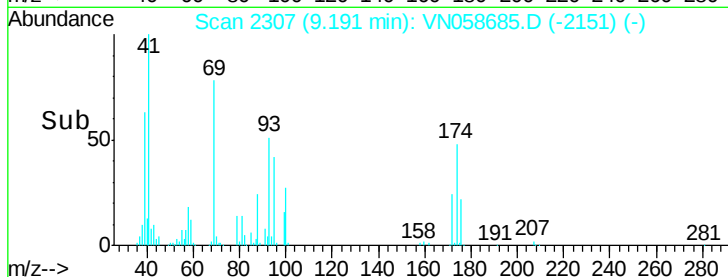
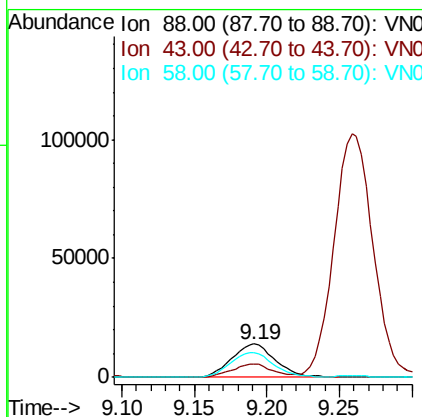
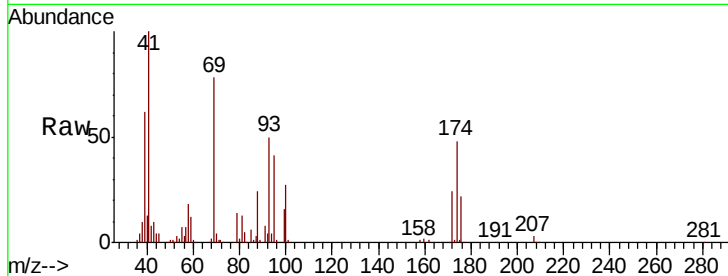
#45
 1,4-Dioxane
 Concen: 327.128 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	73.7	58.2	87.4

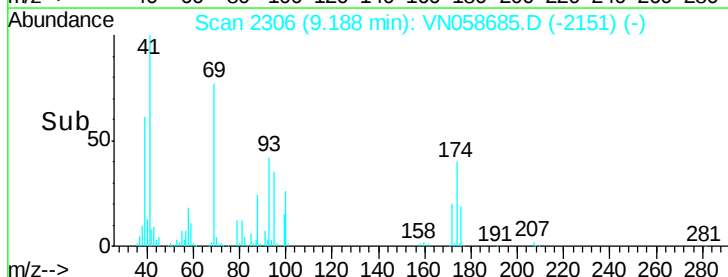
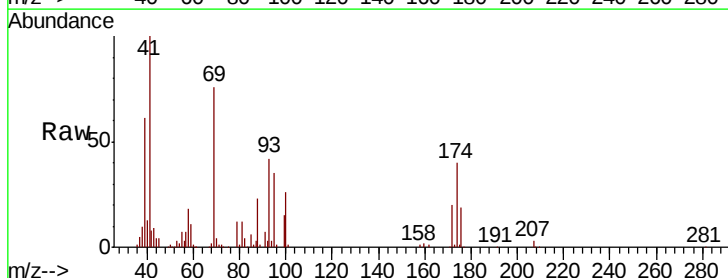
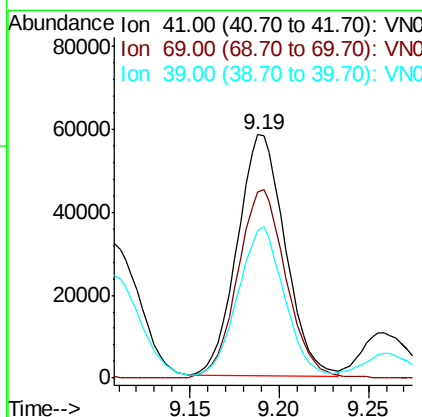
Manual Integrations
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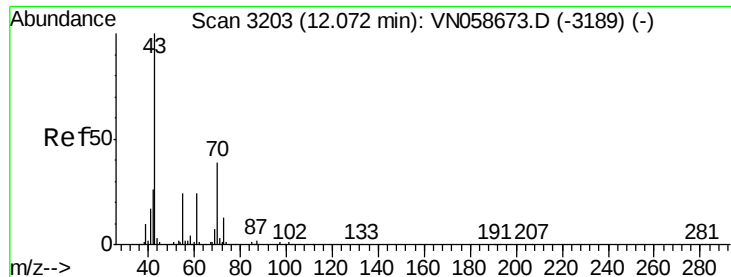
MMDadoda
 10/11/2019 2:47:00 PM



#46
 Methyl methacrylate
 Concen: 20.170 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.0	40.2	120.5
39	60.1	29.9	89.8





#47

n-amvl Acetate

Concen: 19.812 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 206358

Ion Ratio Lower Upper

43 100

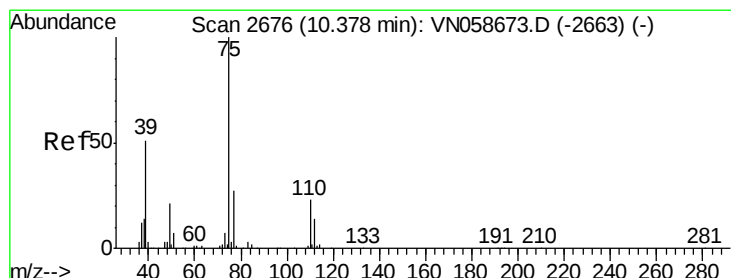
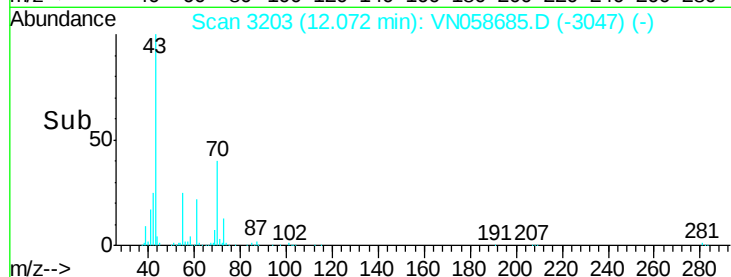
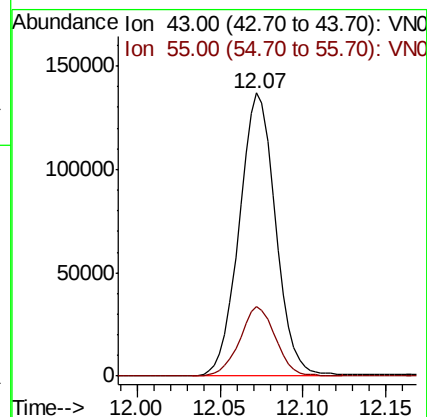
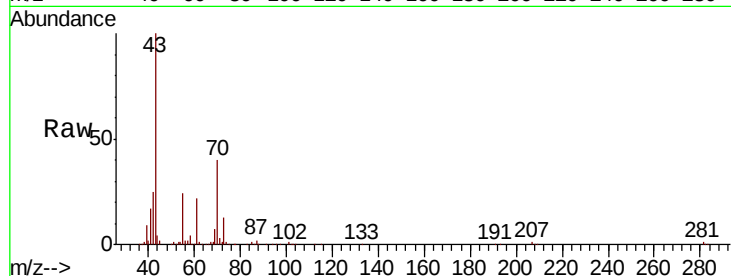
55 24.7 19.6 29.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.911 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058685.D

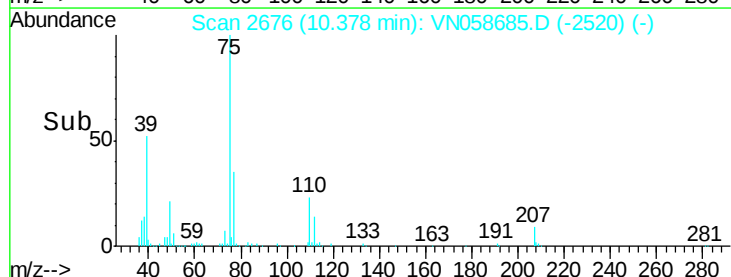
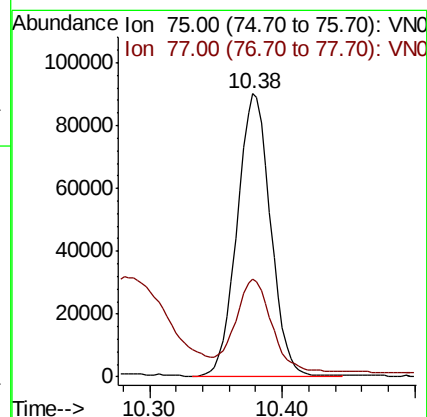
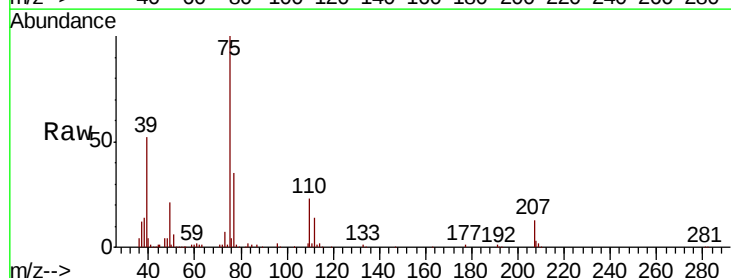
Acq: 10 Oct 2019 23:20

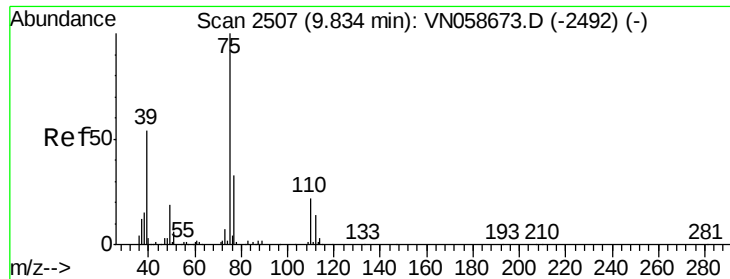
Tgt Ion: 75 Resp: 156700

Ion Ratio Lower Upper

75 100

77 32.7 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 20.168 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

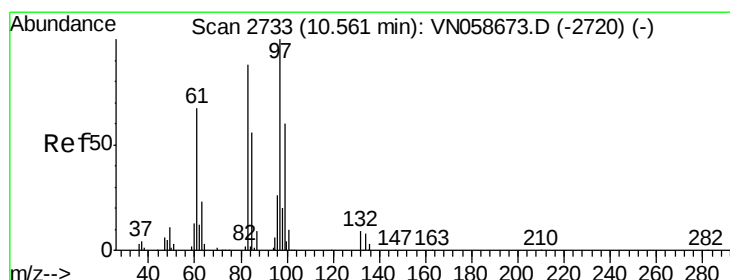
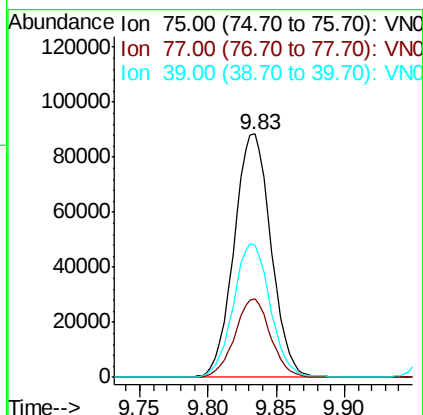
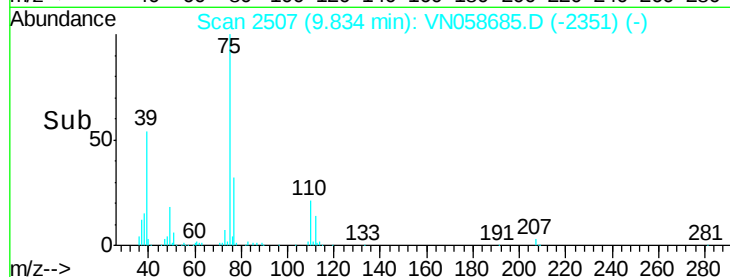
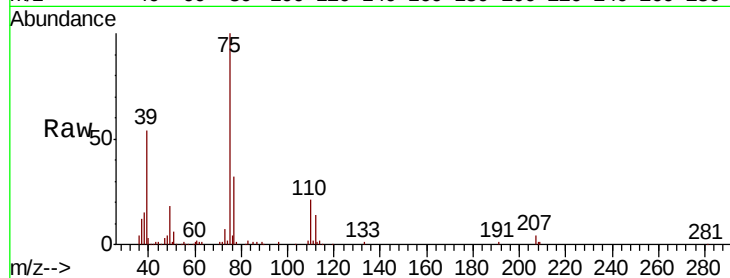
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	166675
Ion Ratio	Lower	Upper	
75	100		
77	32.4	26.1	39.1
39	54.1	43.1	64.7

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#50

1,1,2-Trichloroethane

Concen: 20.778 ug/l

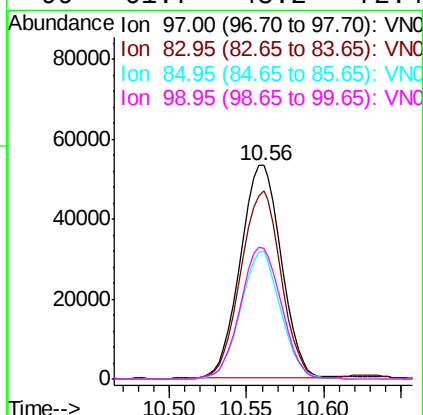
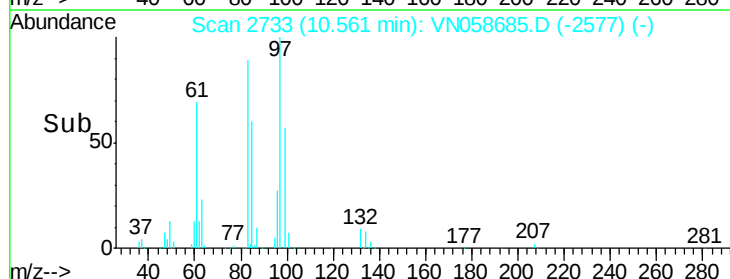
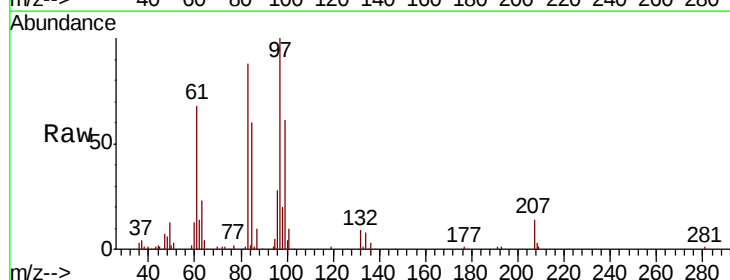
RT: 10.56 min Scan# 2733

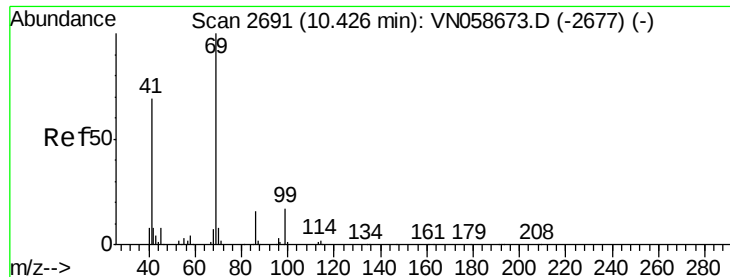
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	97	Resp:	98526
Ion Ratio	Lower	Upper	
97	100		
83	88.3	70.7	106.1
85	60.2	45.1	67.7
99	61.7	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.880 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 150731

Ion Ratio Lower Upper

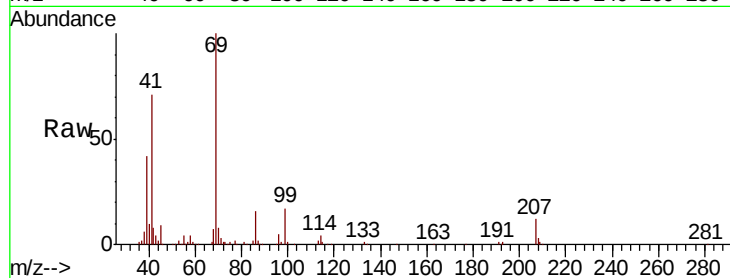
69 100

41 70.0 34.7 104.1

39 41.9 20.3 60.8

Manual Integrations
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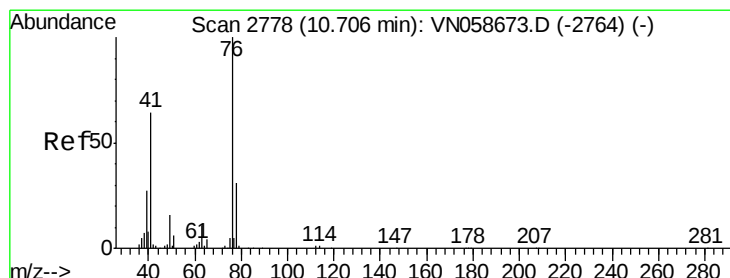
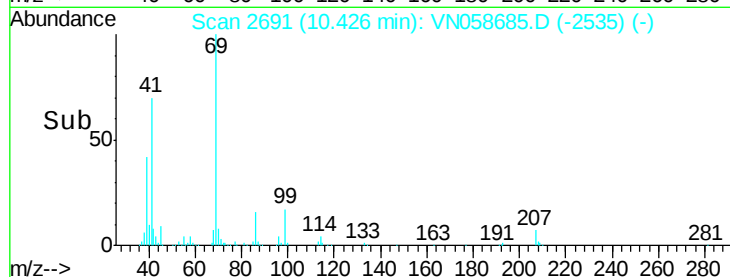
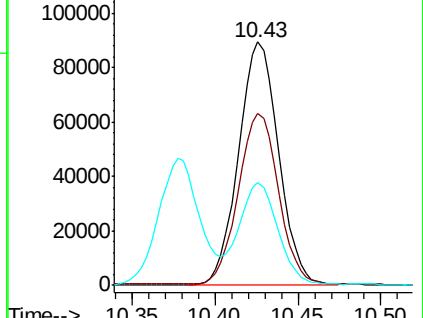
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Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.714 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058685.D

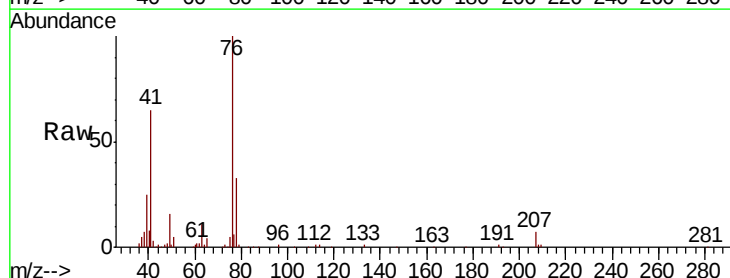
Acq: 10 Oct 2019 23:20

Tgt Ion: 76 Resp: 174924

Ion Ratio Lower Upper

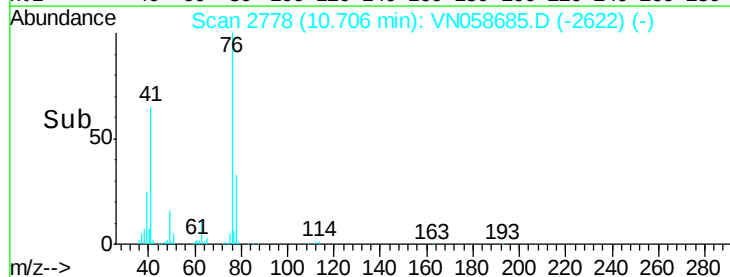
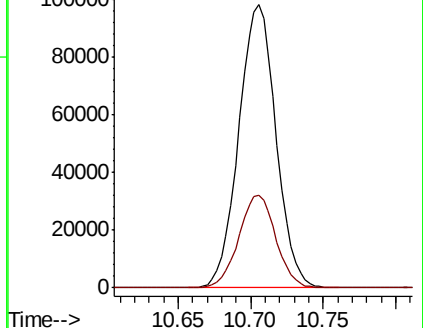
76 100

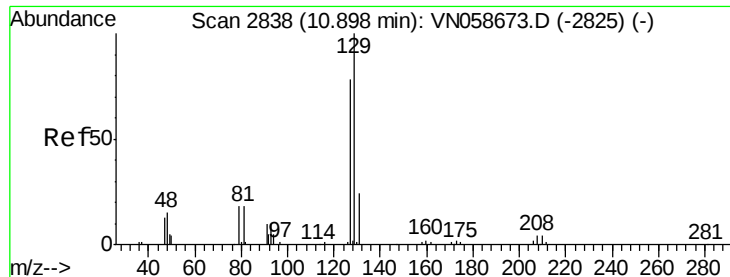
78 32.5 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.040 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 101980

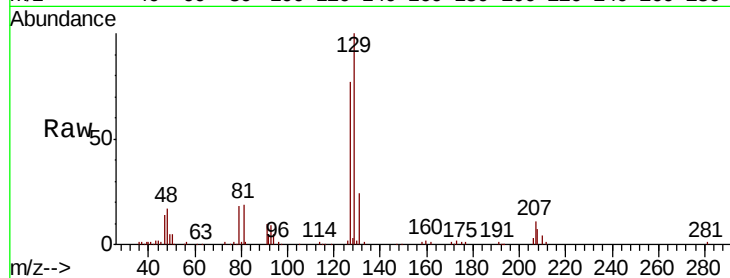
Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.5

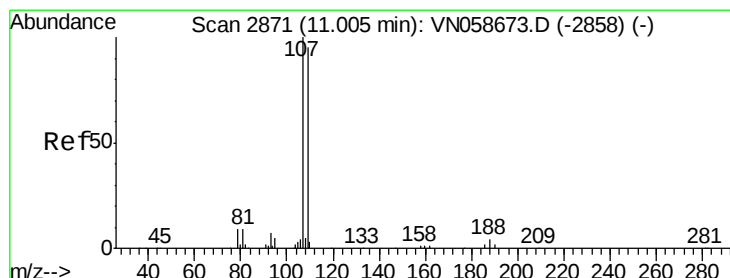
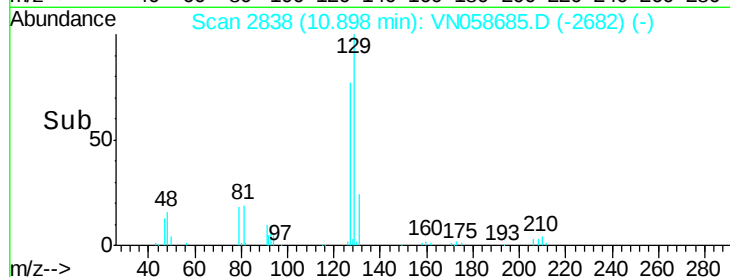
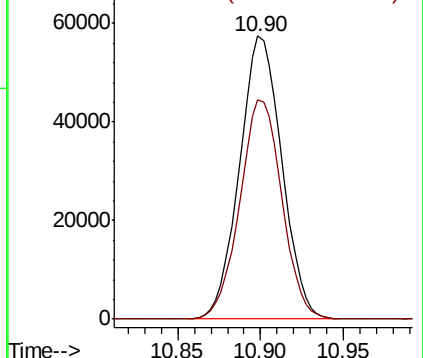
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.581 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058685.D

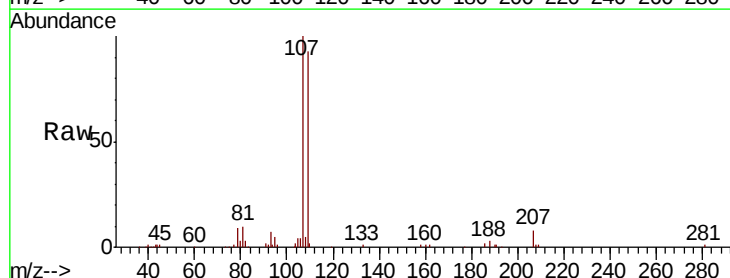
Acq: 10 Oct 2019 23:20

Tgt Ion:107 Resp: 101153

Ion Ratio Lower Upper

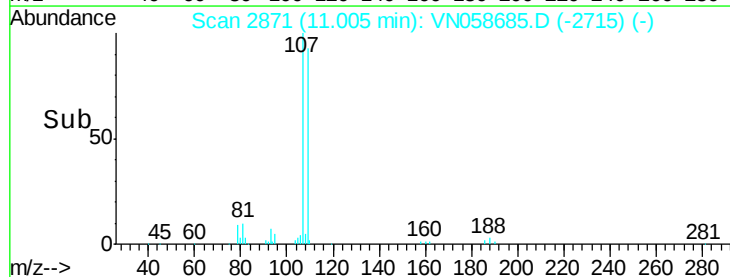
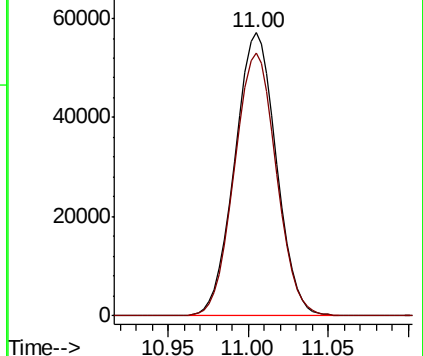
107 100

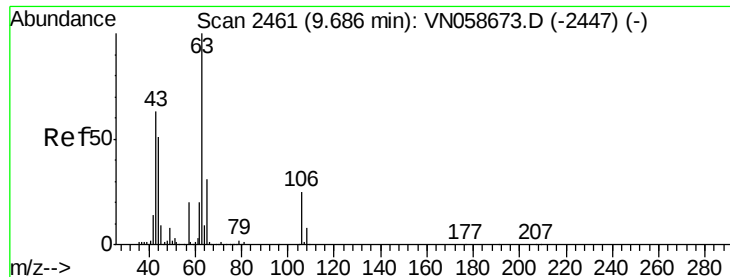
109 93.8 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 105.052 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

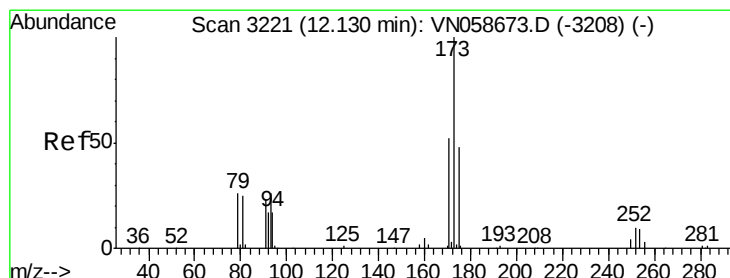
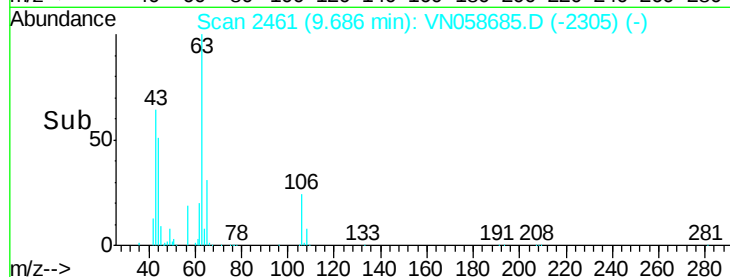
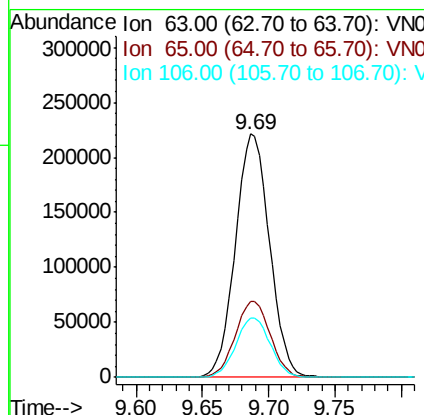
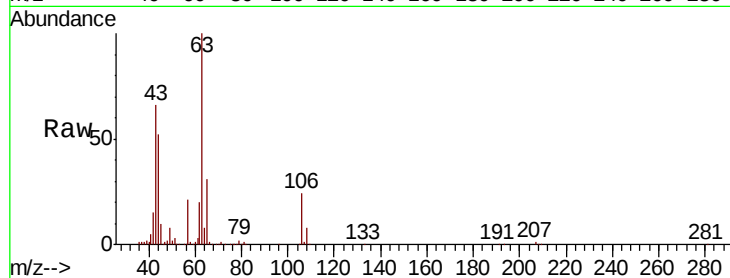
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	396217
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.3	37.9
106	24.7	19.8	29.6

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#56

Bromoform

Concen: 19.394 ug/l

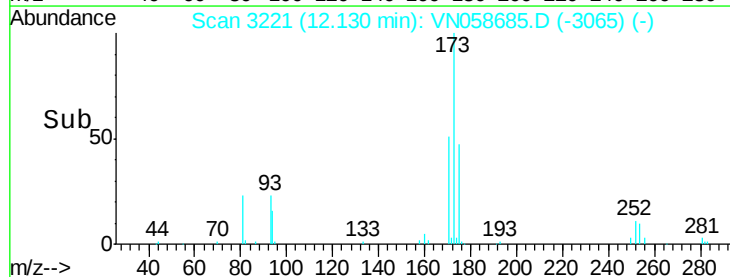
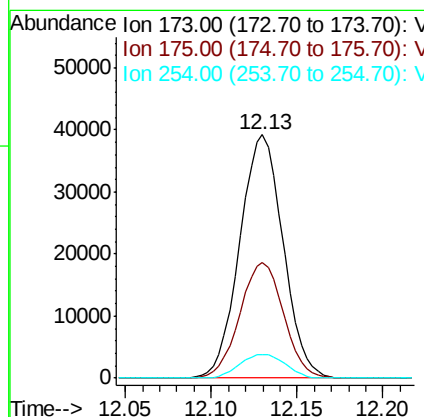
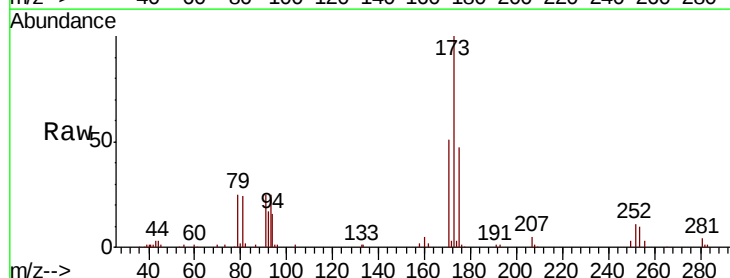
RT: 12.13 min Scan# 3221

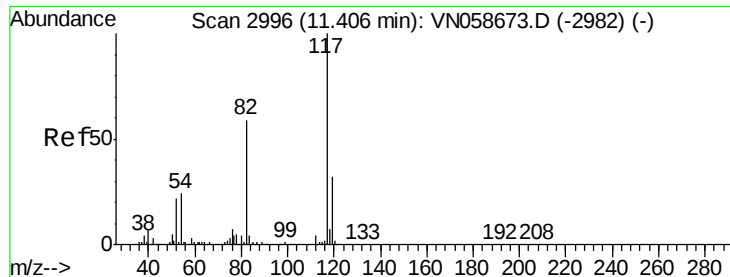
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	173	Resp:	68751
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.7	58.1
254	10.1	7.4	11.2





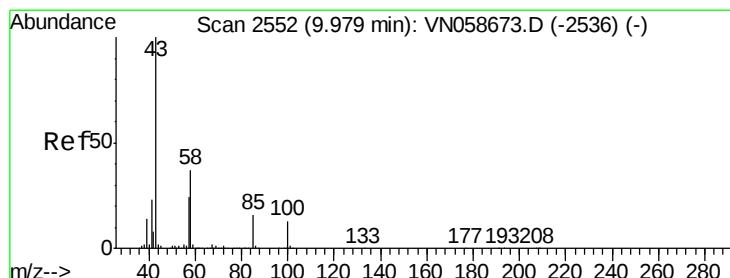
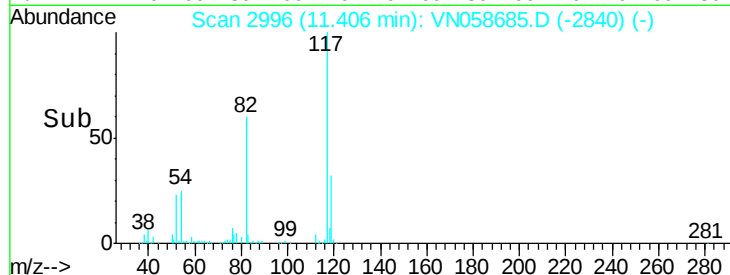
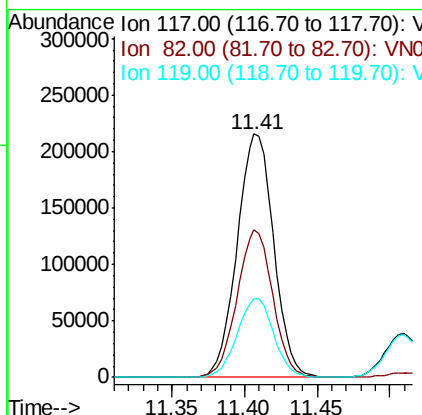
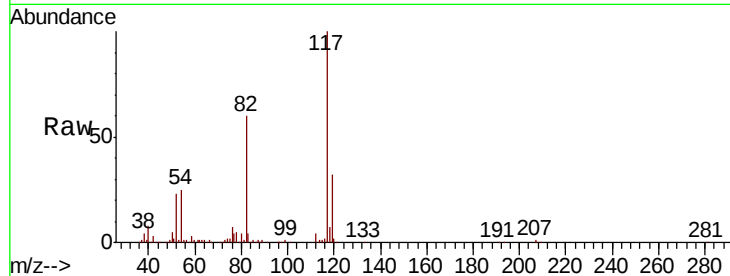
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	377859		
82	59.1	46.9	70.3	
119	32.4	25.8	38.6	

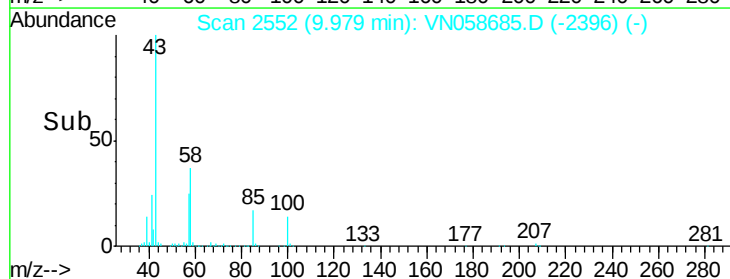
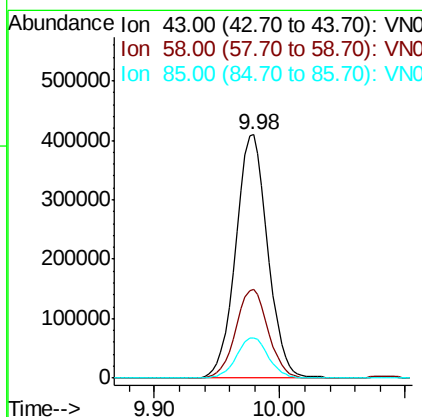
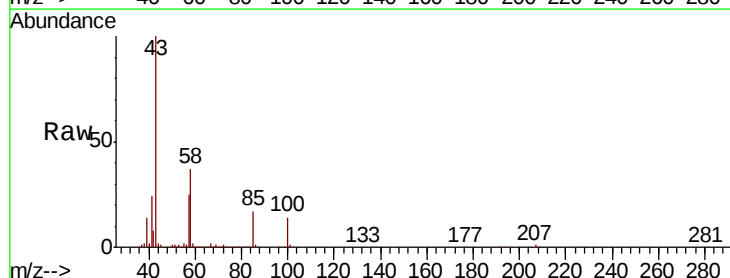
Manual Integrations
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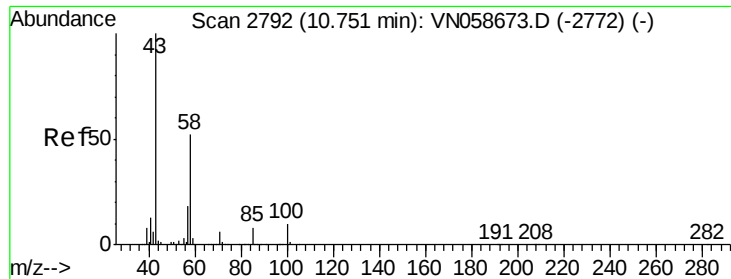
MMDadoda
10/11/2019 2:47:00 PM



#58
4-Methyl-2-Pentanone
Concen: 105.141 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	724752		
58	37.0	30.1	45.1	
85	16.5	13.2	19.8	





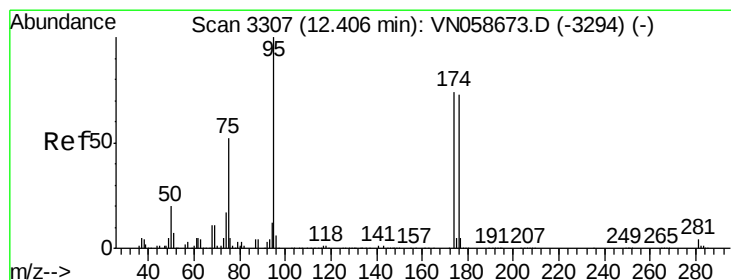
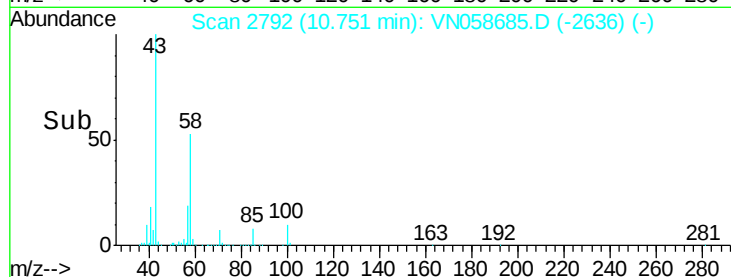
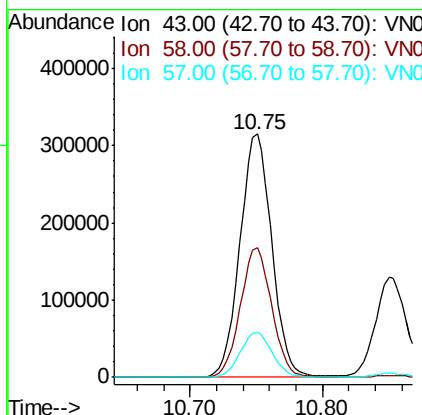
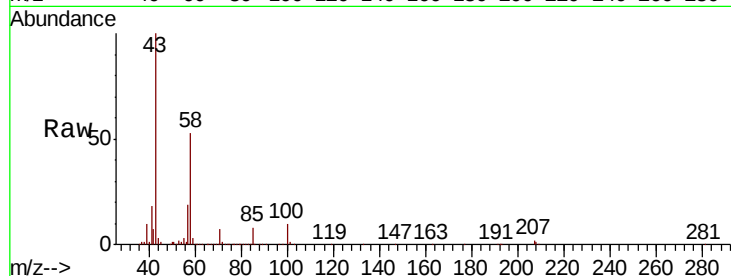
#59
2-Hexanone
Concen: 97.102 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.4	62.0
57	18.7	14.7	22.1

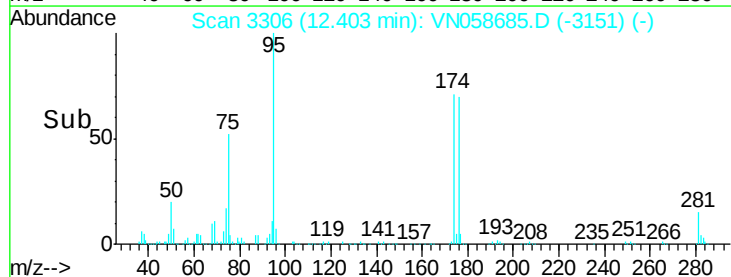
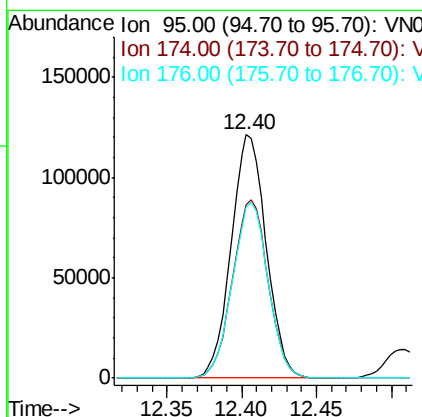
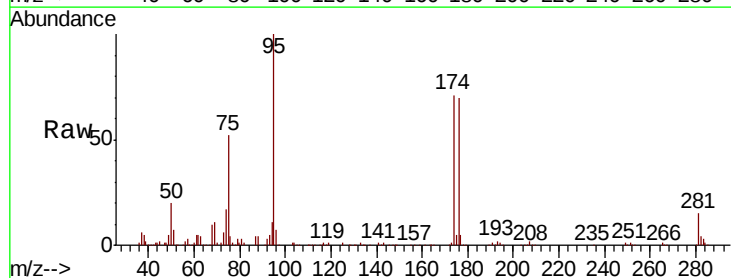
Manual Integrations
APPROVED

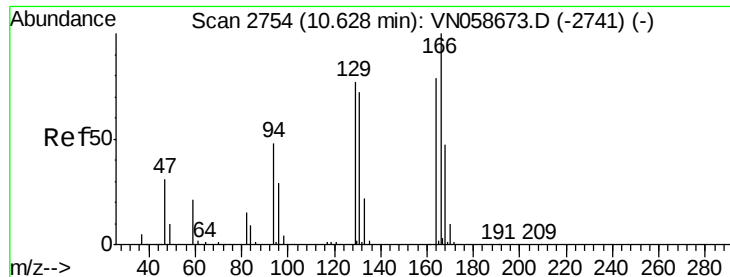
MMDadoda
10/11/2019 2:47:00 PM



#60
4-Bromofluorobenzene
Concen: 29.978 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	59.9	89.9
176	73.7	58.3	87.5





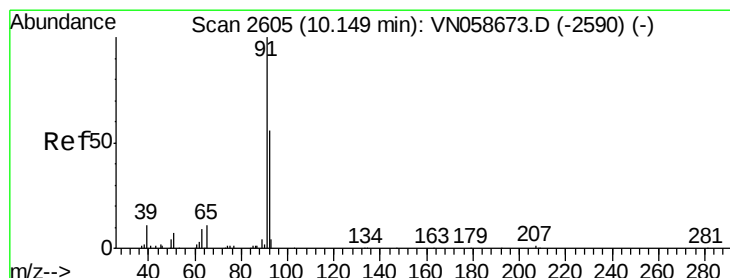
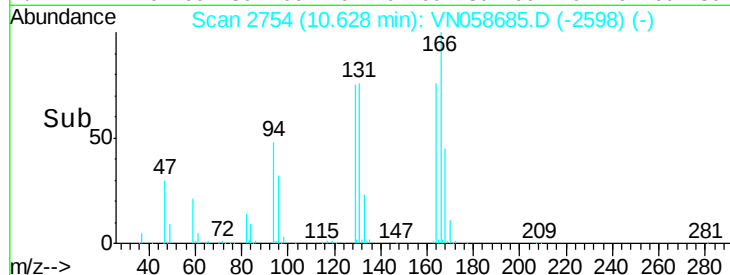
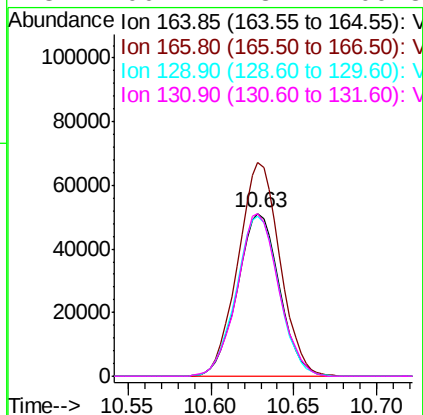
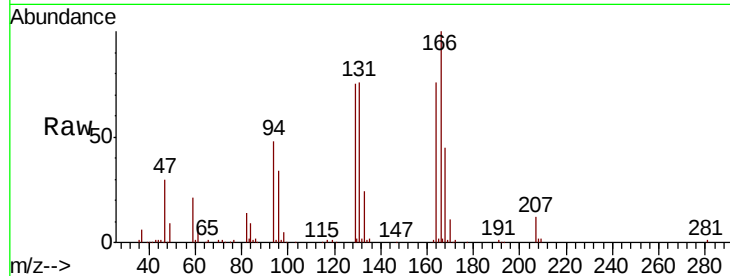
#61
Tetrachloroethene
Concen: 22.115 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.4	152.2
129	98.3	78.1	117.1
131	100.1	73.2	109.8

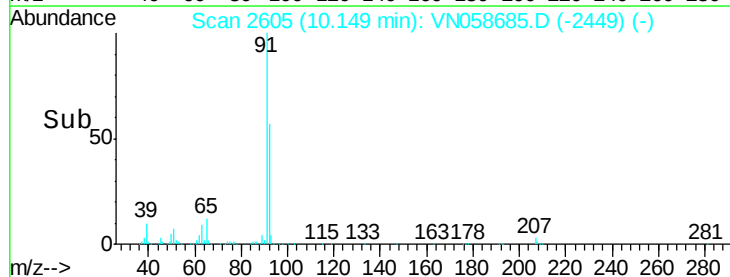
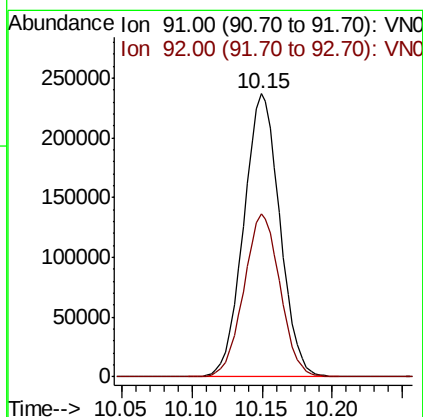
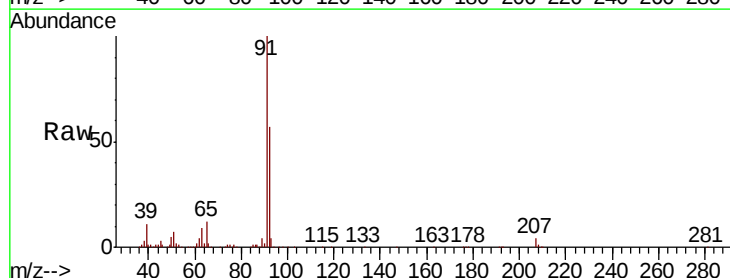
Manual Integrations
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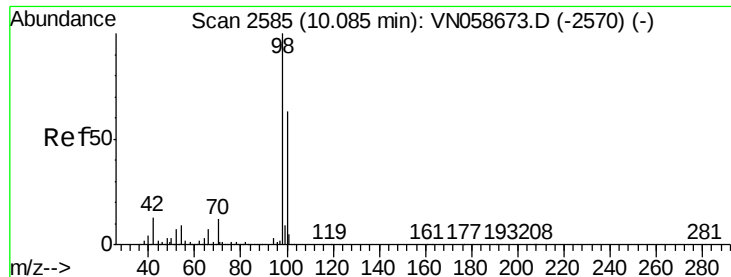
MMDadoda
10/11/2019 2:47:00 PM



#62
Toluene
Concen: 20.915 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2





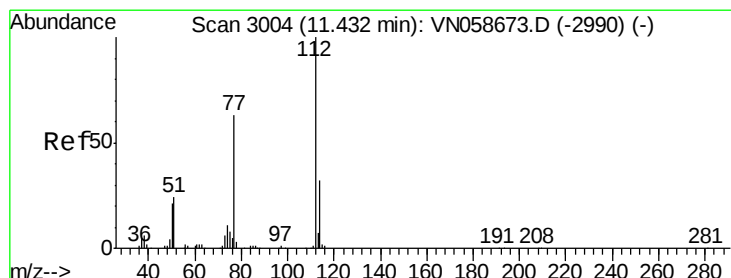
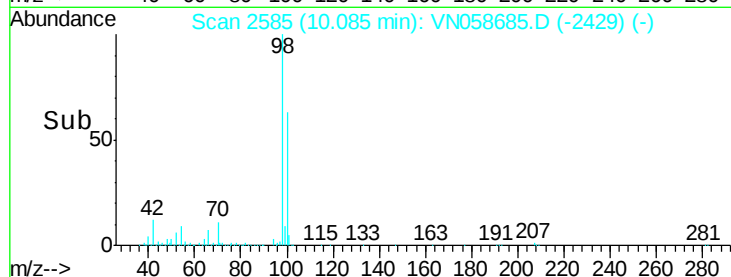
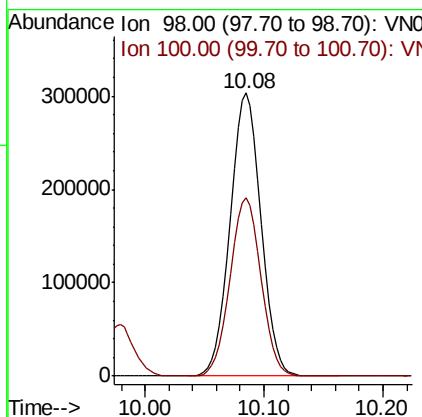
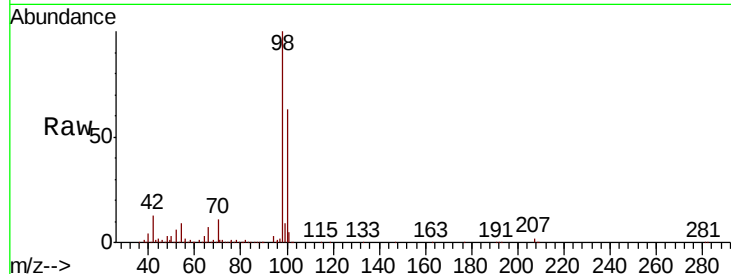
#63
Toluene-d8
Concen: 30.528 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 544654
Ion Ratio Lower Upper
98 100
100 63.2 50.6 75.8

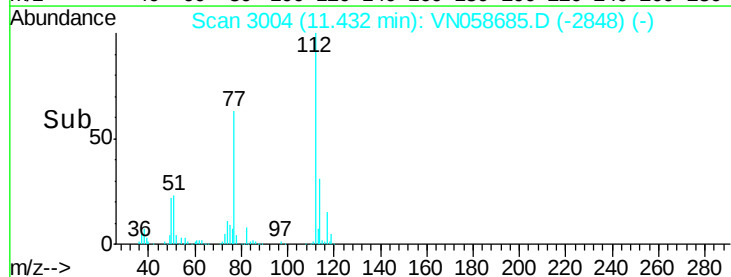
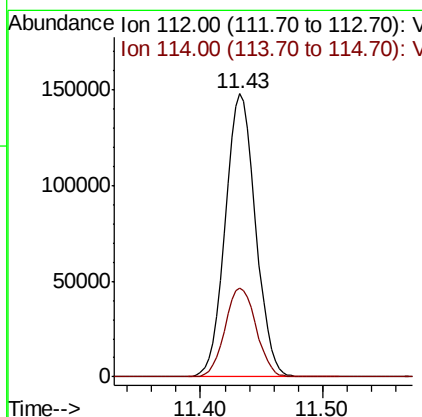
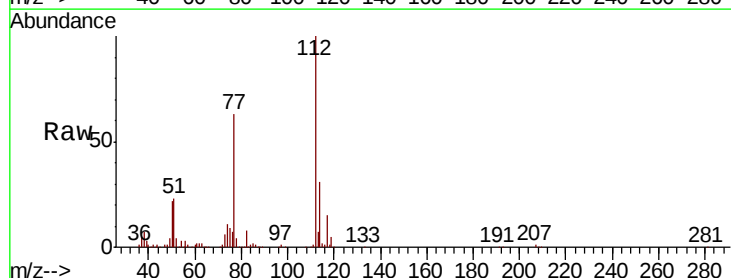
Manual Integrations
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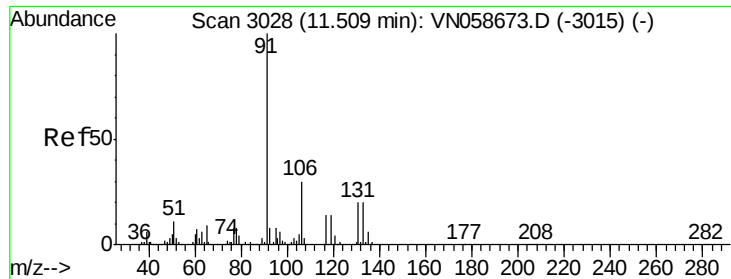
MMDadoda
10/11/2019 2:47:00 PM



#64
Chlorobenzene
Concen: 20.648 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion: 112 Resp: 256582
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.079 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

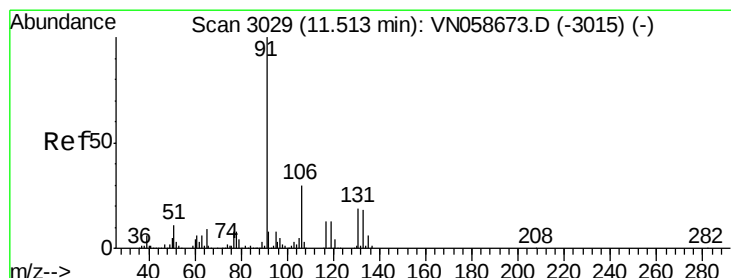
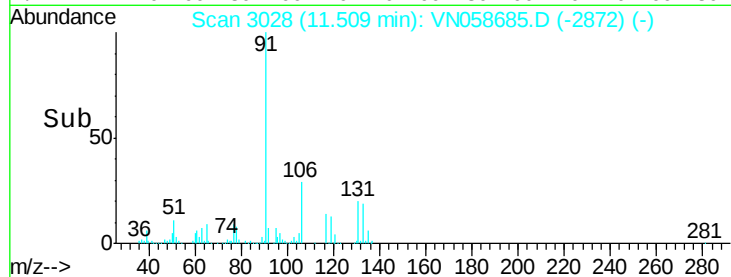
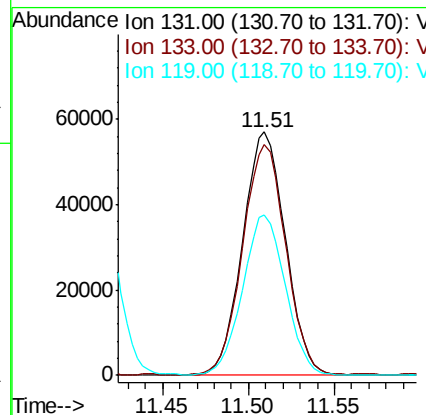
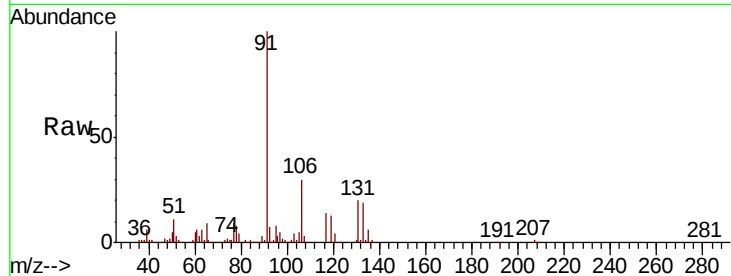
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	194.0
119	66.1	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.333 ug/l

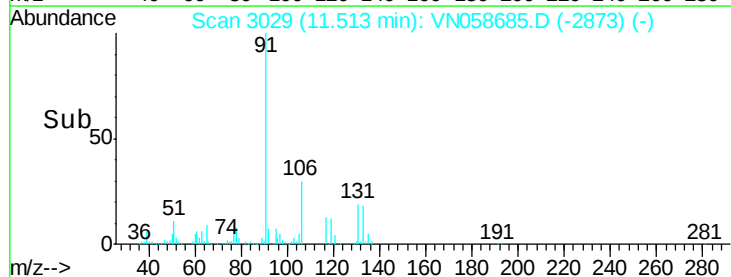
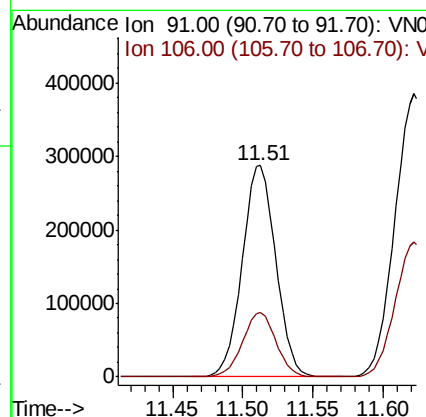
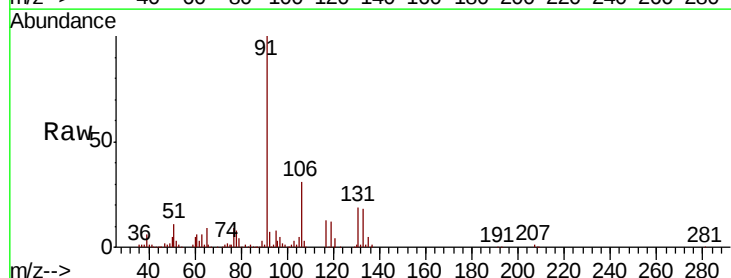
RT: 11.51 min Scan# 3029

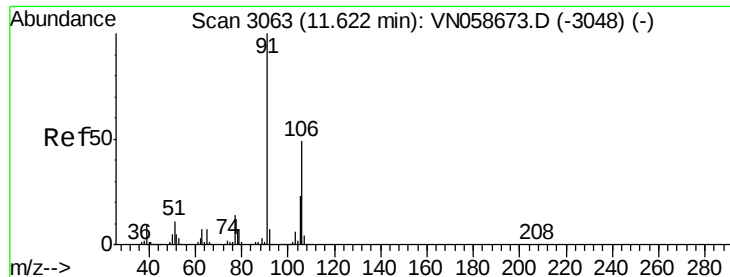
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4





#67

m/p-Xylenes

Concen: 41.588 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 349685

Ion Ratio Lower Upper

106 100

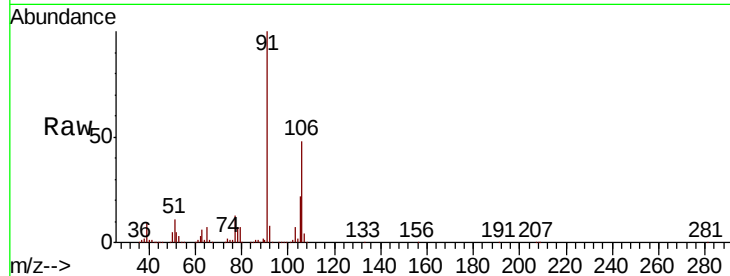
91 209.8 165.6 248.4

Manual Integrations

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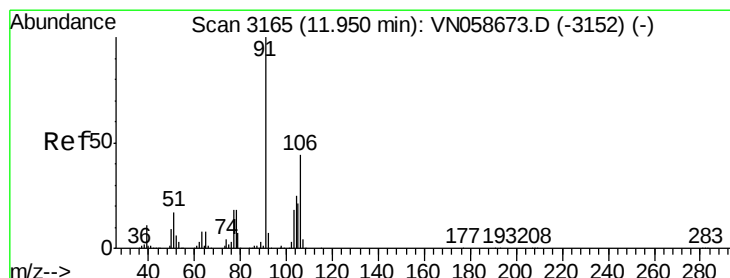
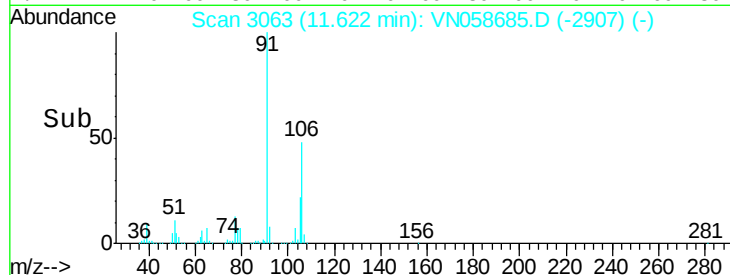
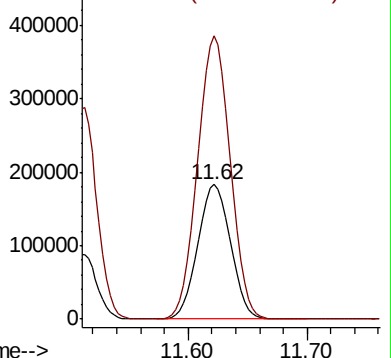
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.724 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058685.D

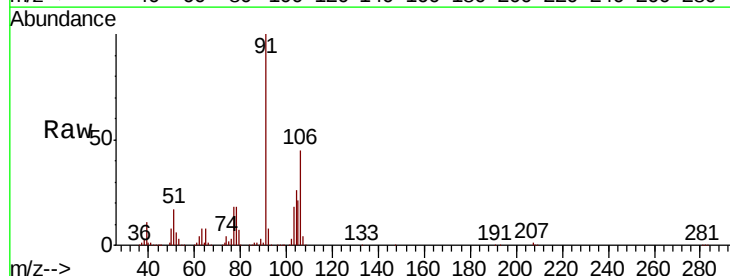
Acq: 10 Oct 2019 23:20

Tgt Ion:106 Resp: 168931

Ion Ratio Lower Upper

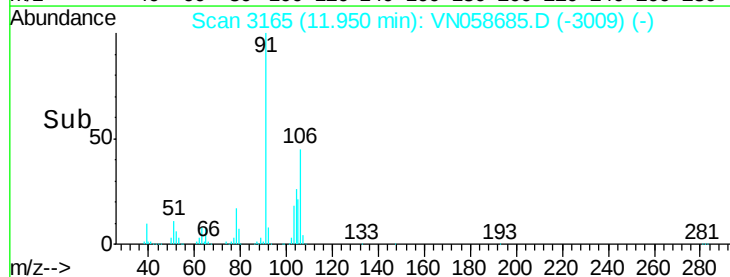
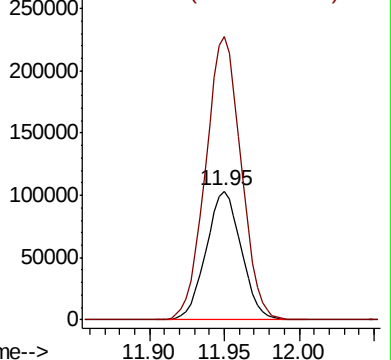
106 100

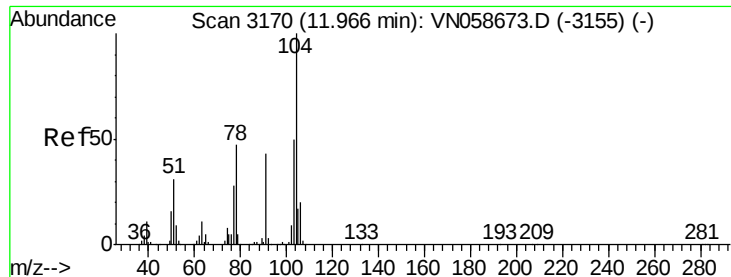
91 222.4 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





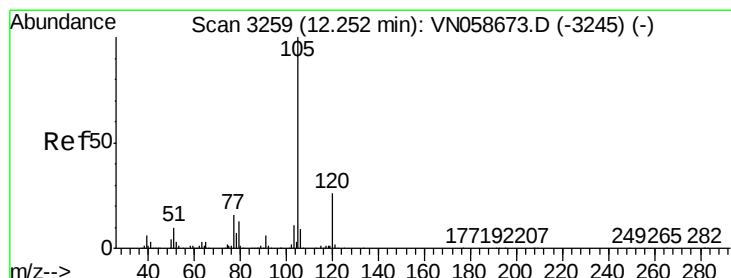
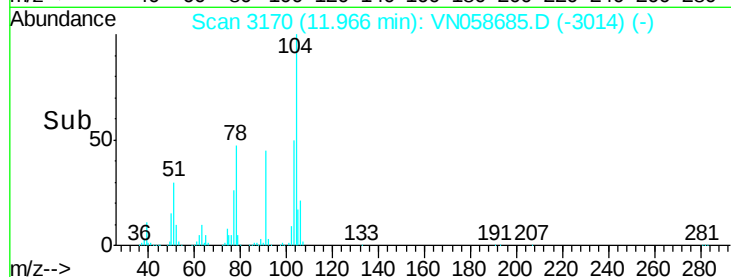
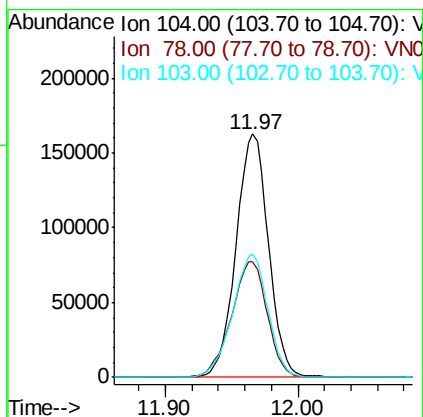
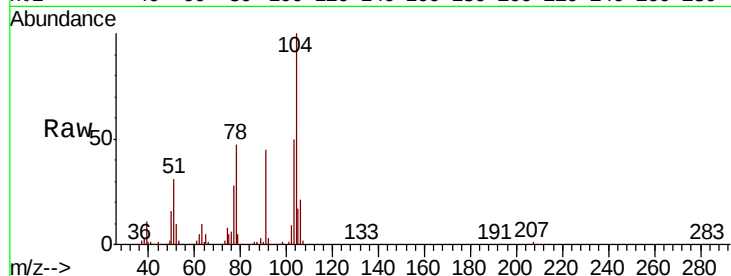
#69
Stvrene
Concen: 20.513 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.4	63.6
103	55.2	44.6	66.8

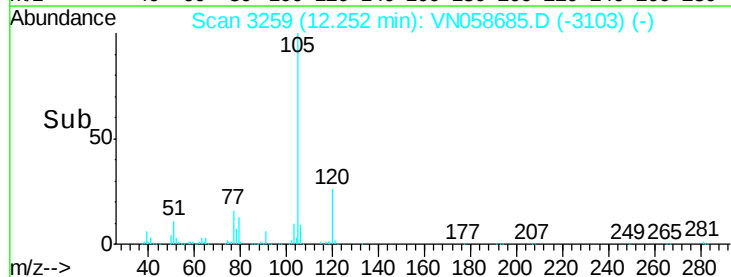
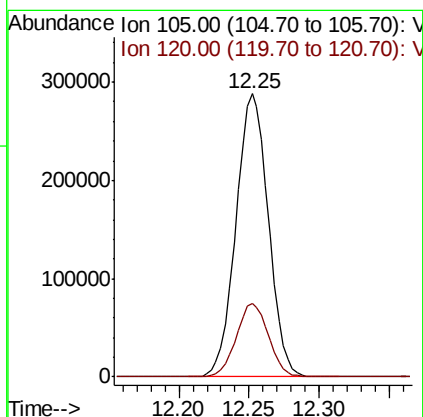
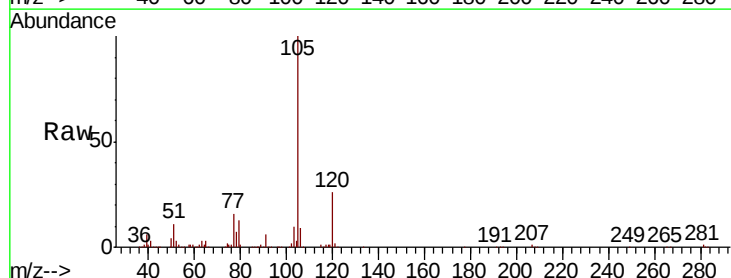
Manual Integrations
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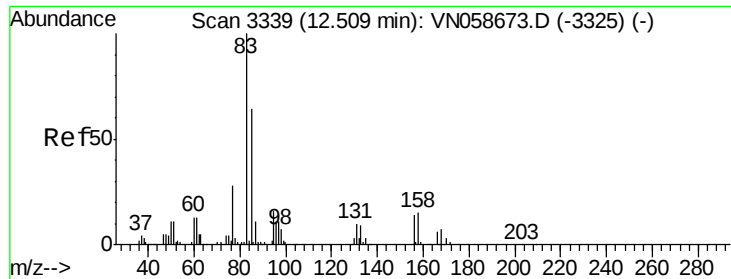
MMDadoda
10/11/2019 2:47:00 PM



#70
Isopropylbenzene
Concen: 21.080 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.982 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

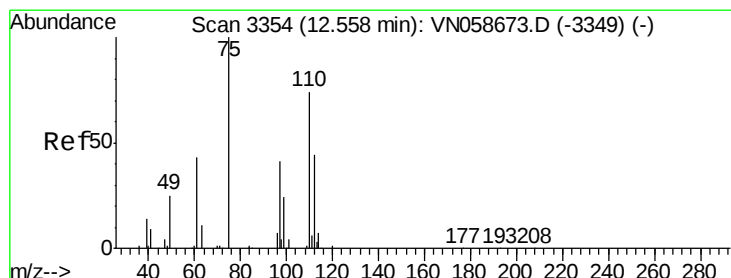
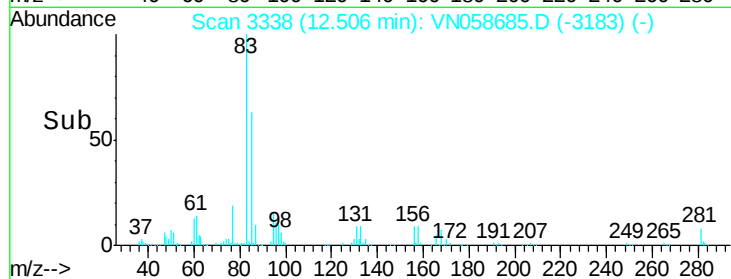
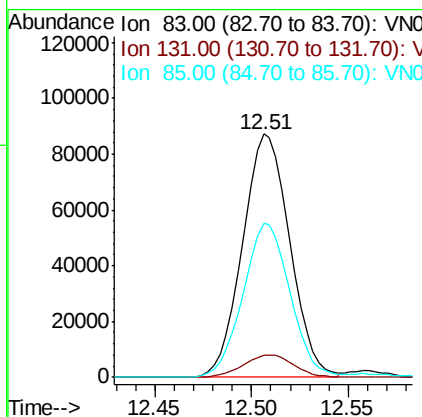
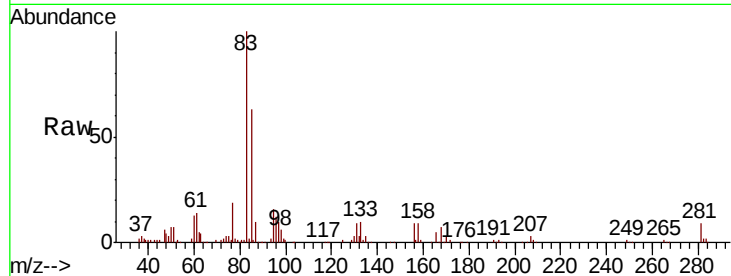
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	148043
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.1	31.6	94.7

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10/11/2019 2:47:00 PM



#72

1,2,3-Trichloropropane

Concen: 20.560 ug/l m

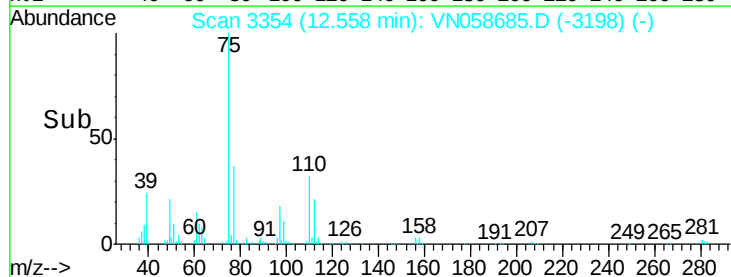
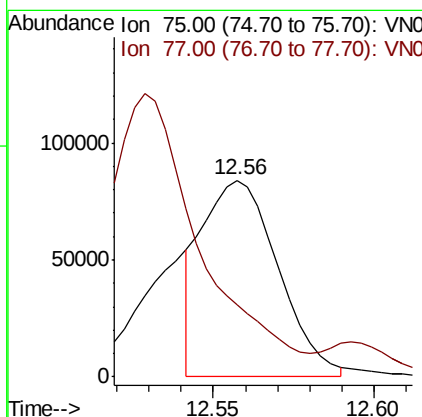
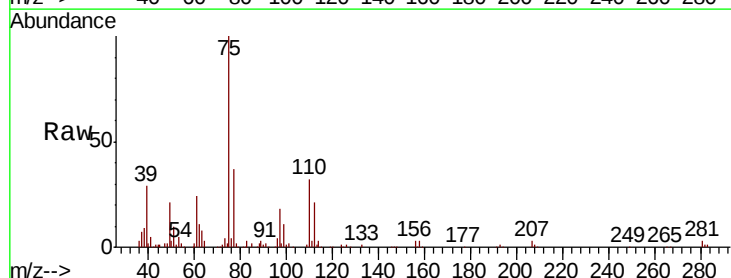
RT: 12.56 min Scan# 3354

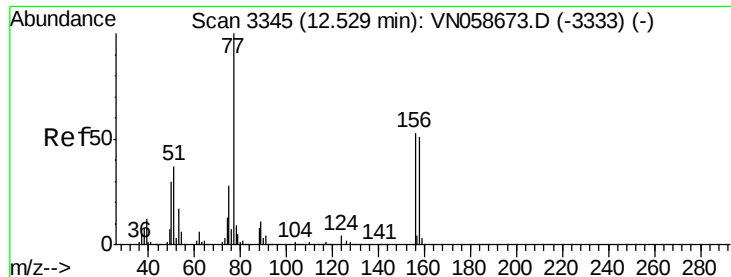
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	75	Resp:	138030
Ion Ratio	Lower	Upper	
75	100		
77	181.4	0.0	359.4





#73

Bromobenzene

Concen: 20.722 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

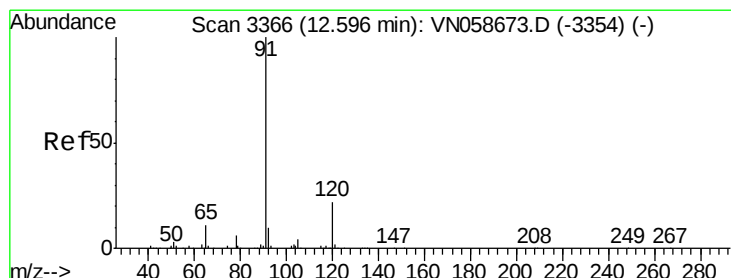
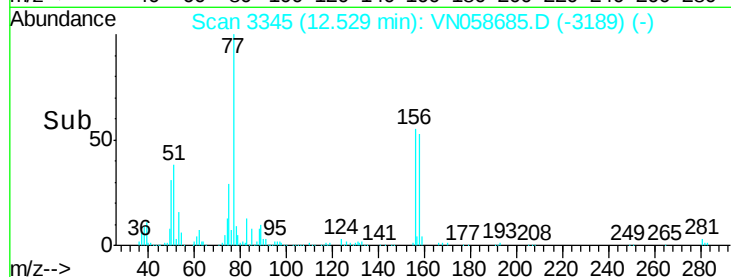
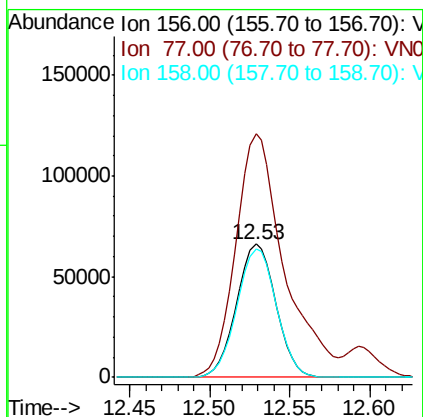
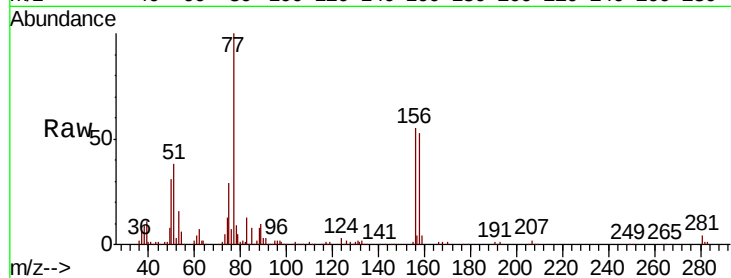
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	110767
Ion Ratio	Lower	Upper	
156	100		
77	226.1	0.0	456.0
158	97.0	0.0	195.4

Manual Integrations
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10/11/2019 2:47:00 PM



#74

n-propylbenzene

Concen: 20.964 ug/l

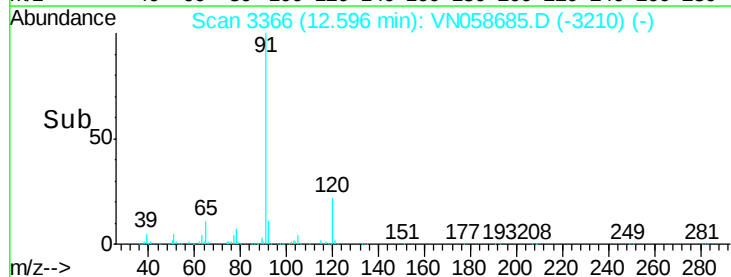
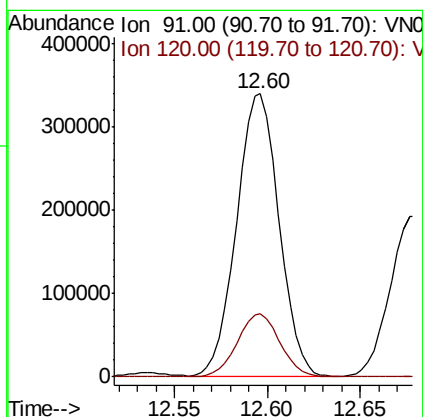
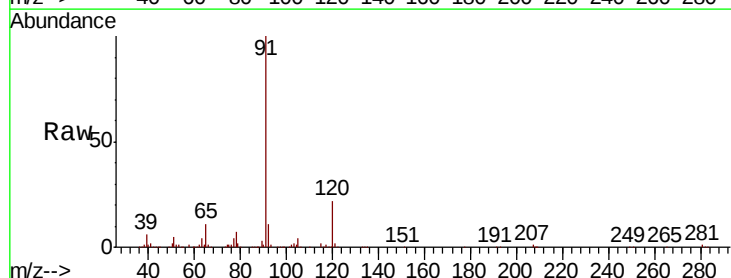
RT: 12.60 min Scan# 3366

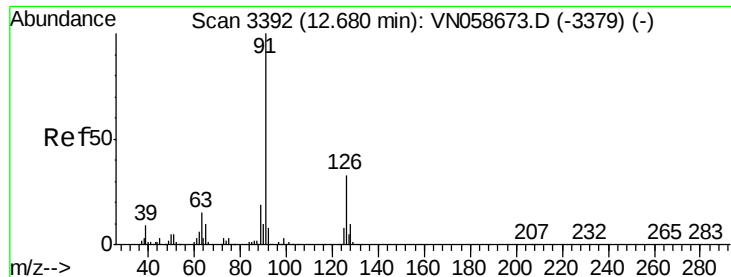
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	91	Resp:	540036
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.778 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 322034

Ion Ratio Lower Upper

91 100

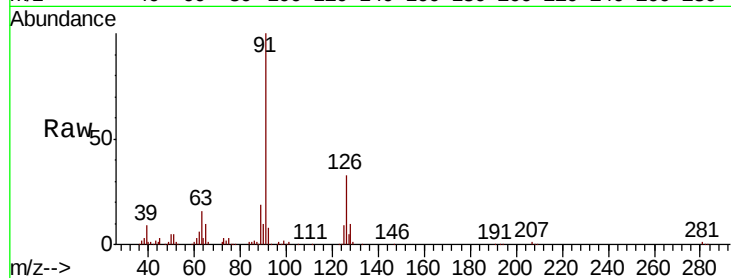
126 32.9 0.0 65.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

300000

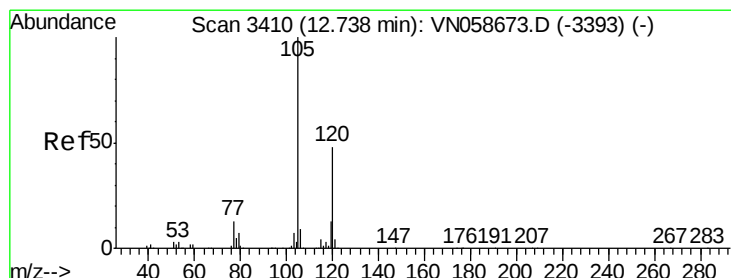
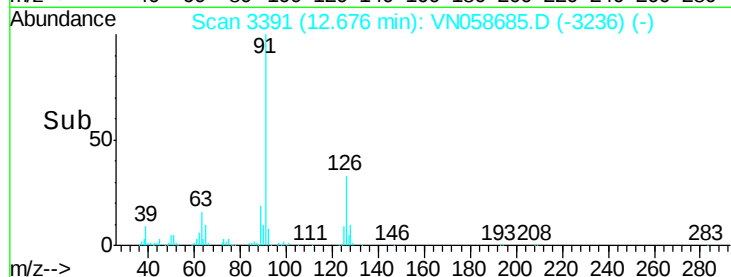
200000

100000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.751 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058685.D

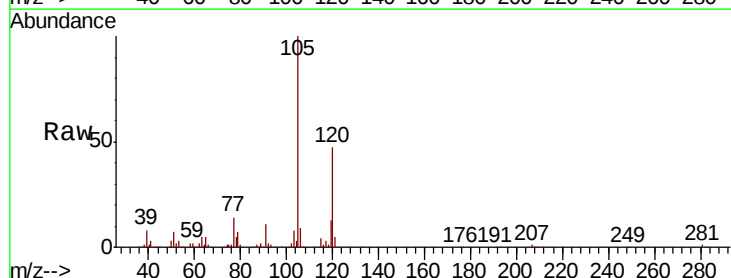
Acq: 10 Oct 2019 23:20

Tgt Ion: 105 Resp: 391142

Ion Ratio Lower Upper

105 100

120 48.4 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

250000

200000

150000

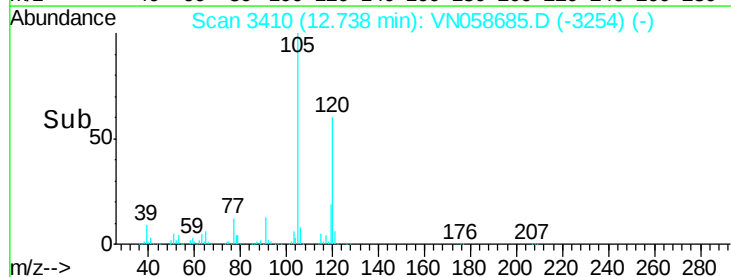
100000

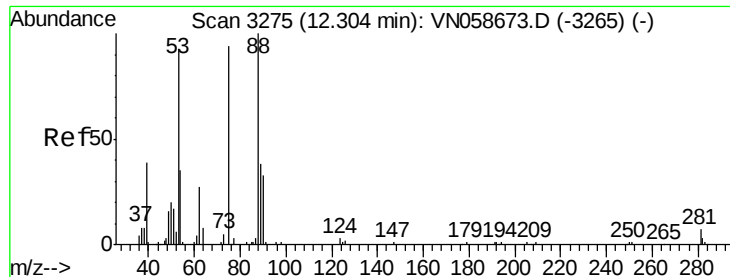
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.538 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Instrument :

MSVOA_N

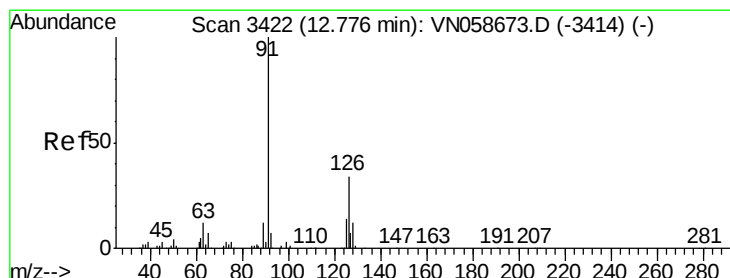
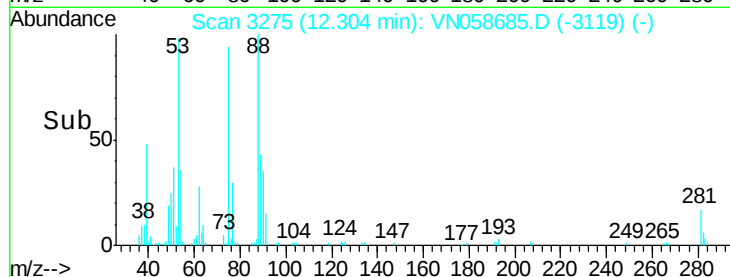
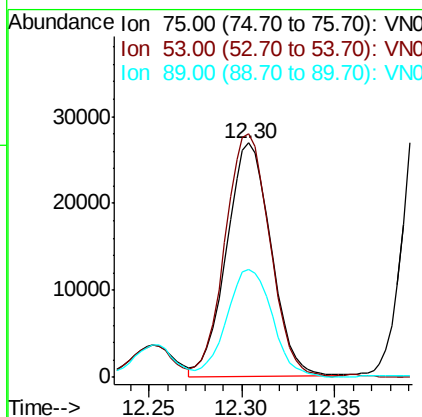
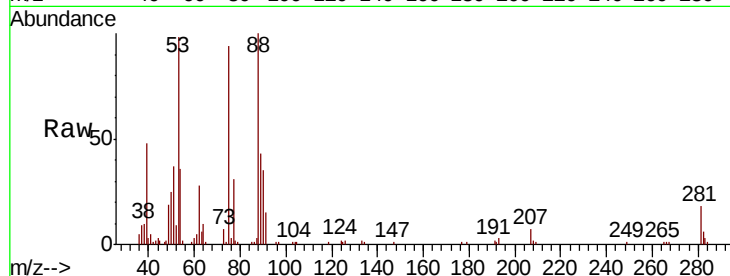
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	44853
Ion	Ratio	Lower	Upper
75	100		
53	104.5	50.0	150.0
89	46.6	20.7	62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.837 ug/l

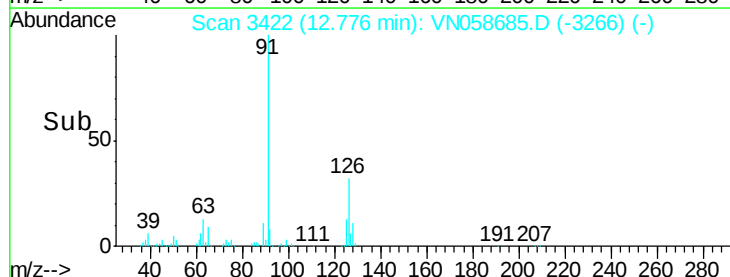
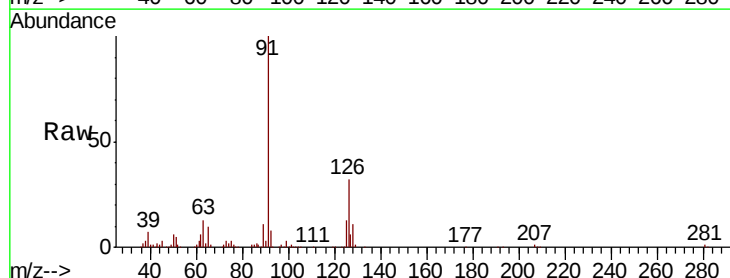
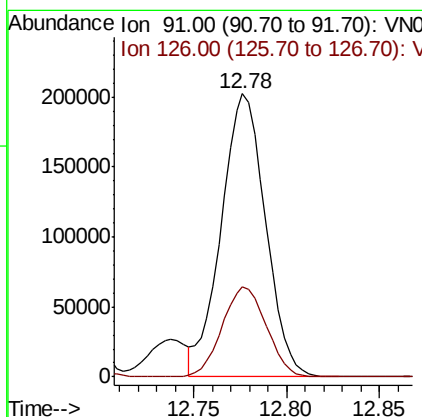
RT: 12.78 min Scan# 3422

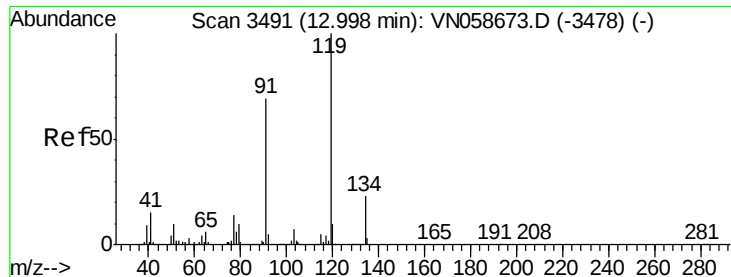
Delta R.T. 0.00 min

Lab File: VN058685.D

Acq: 10 Oct 2019 23:20

Tgt Ion:	91	Resp:	332849
Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	63.4





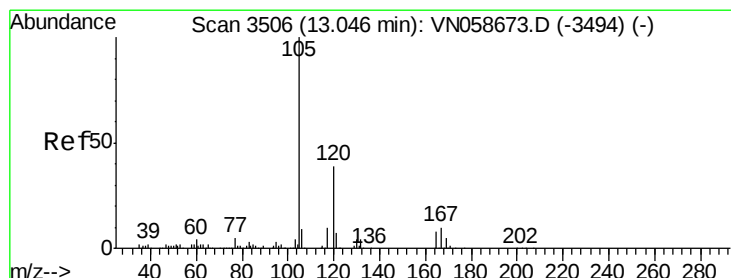
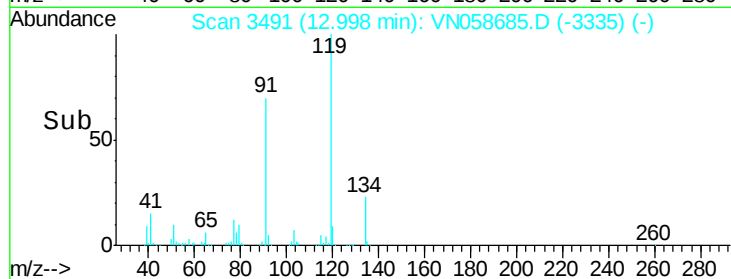
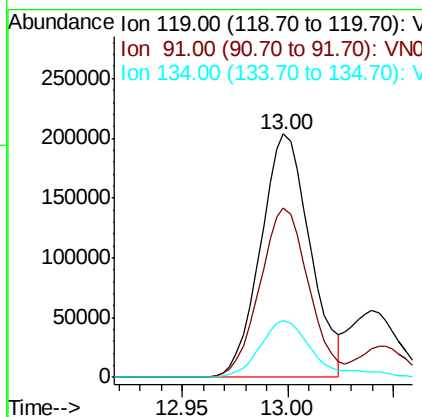
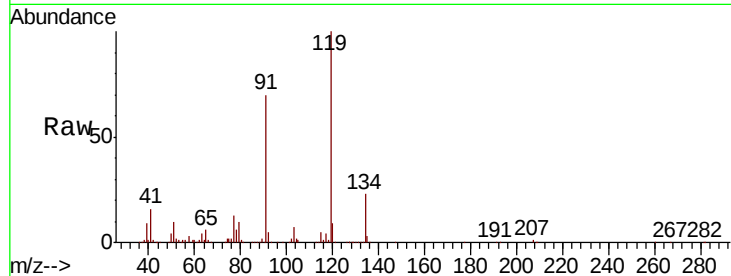
#79
tert-butylbenzene
Concen: 20.645 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	332455		
91	68.9	0.0	136.4	
134	23.2	0.0	47.2	

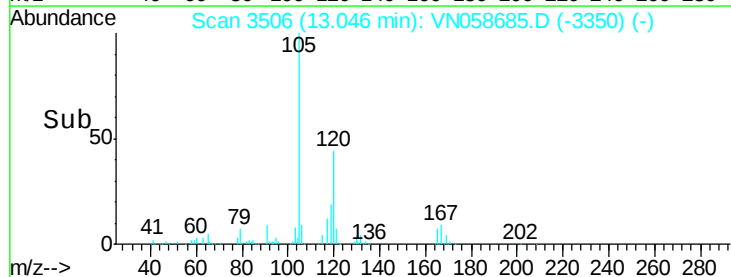
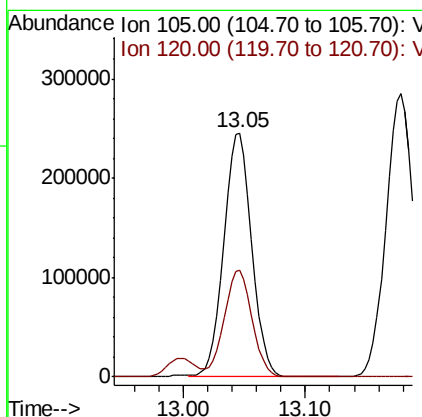
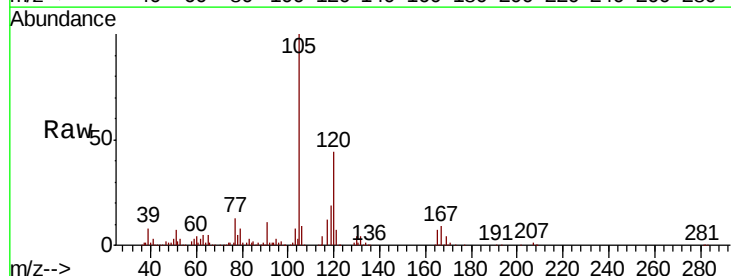
Manual Integrations
APPROVED

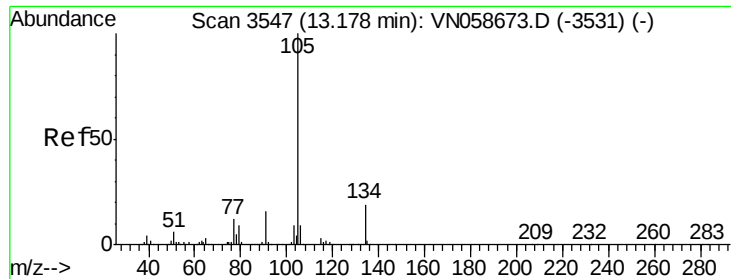
MMDadoda
10/11/2019 2:47:00 PM



#80
1,2,4-Trimethylbenzene
Concen: 21.112 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395427		
120	43.4	0.0	89.2	





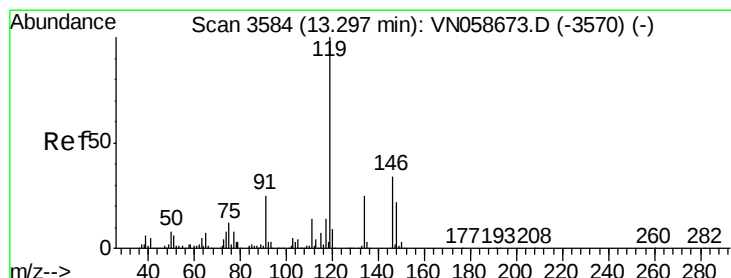
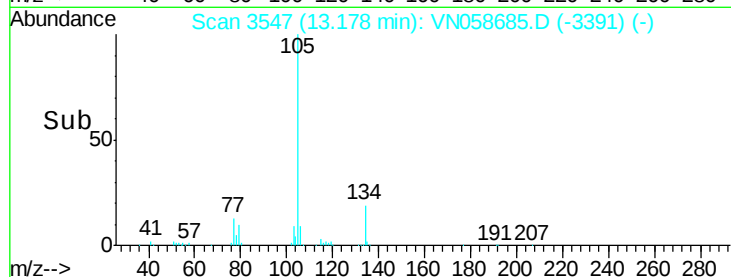
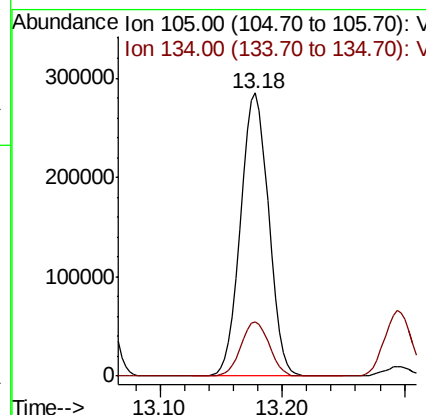
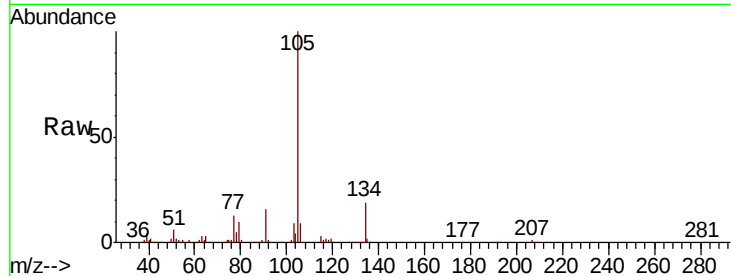
#81
 sec-Butylbenzene
 Concen: 20.928 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	453569		
134	19.3	0.0	38.0	

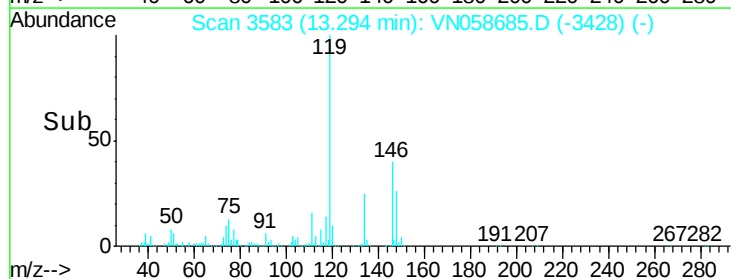
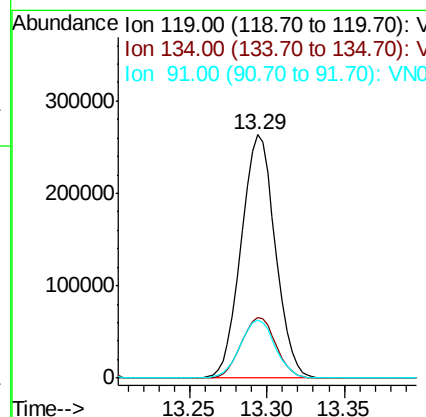
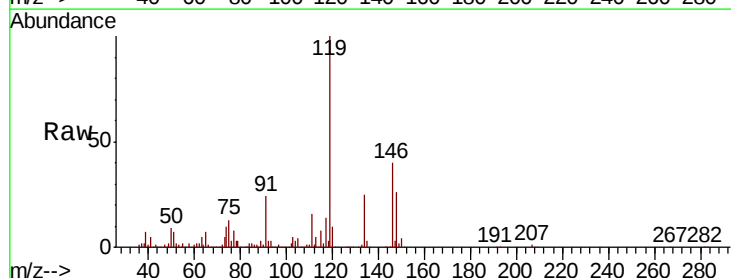
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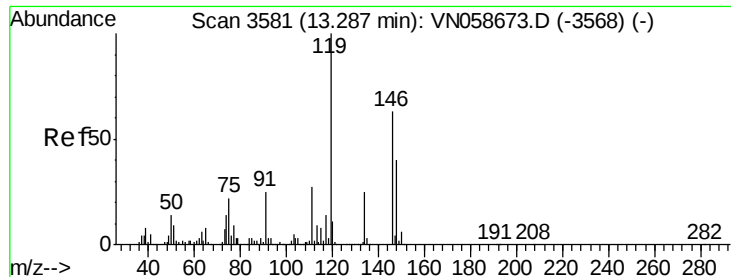
MMDadoda
 10/11/2019 2:47:00 PM



#82
 p-Isopropyltoluene
 Concen: 20.756 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	403942		
134	25.3	0.0	50.8	
91	24.6	0.0	49.4	





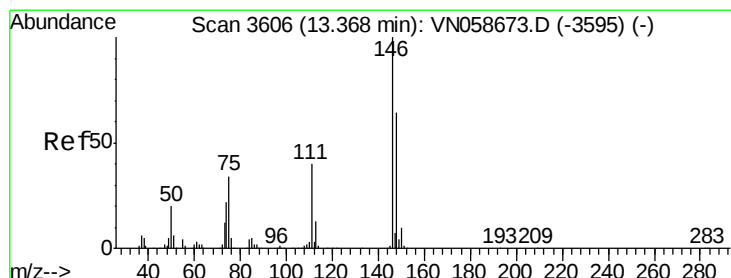
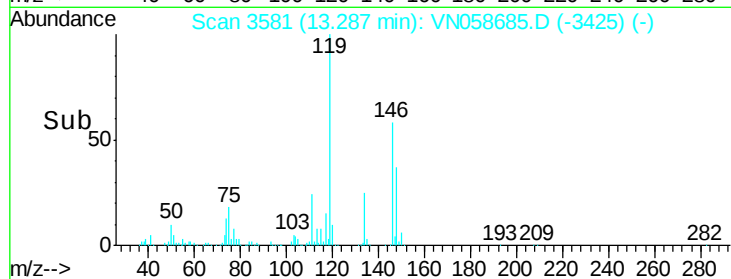
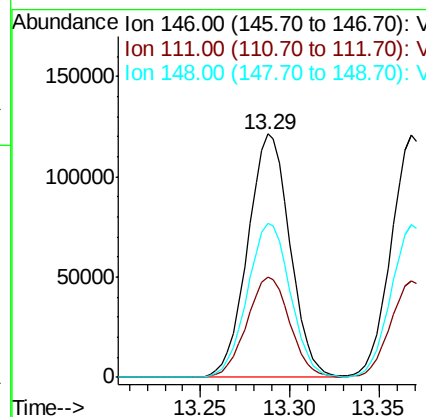
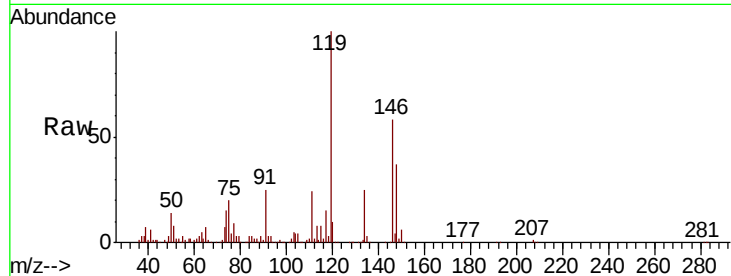
#83
 1,3-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	64.5	31.7	95.1

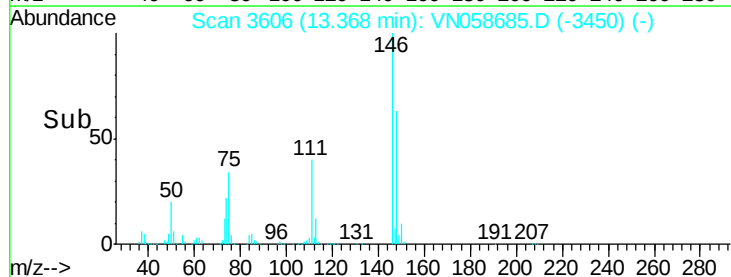
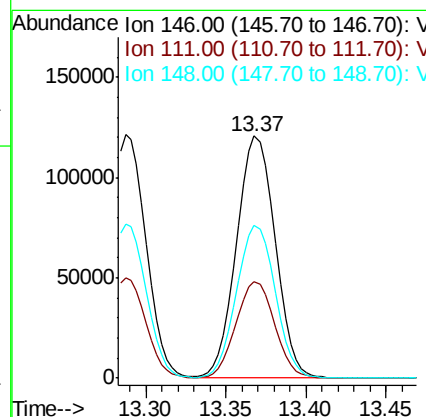
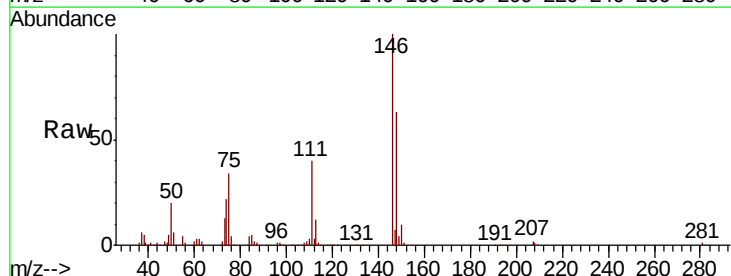
Manual Integrations
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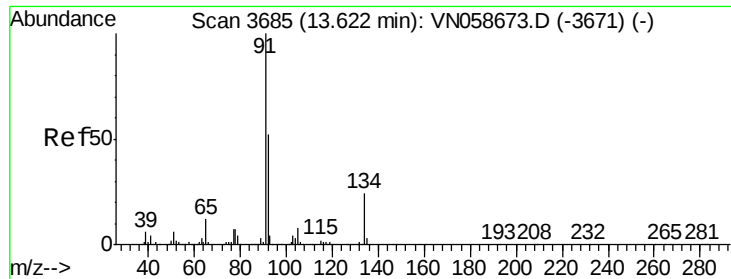
MMDadoda
 10/11/2019 2:47:00 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.688 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	62.6	31.6	94.8





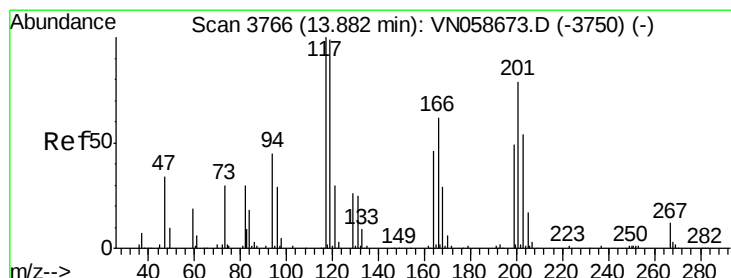
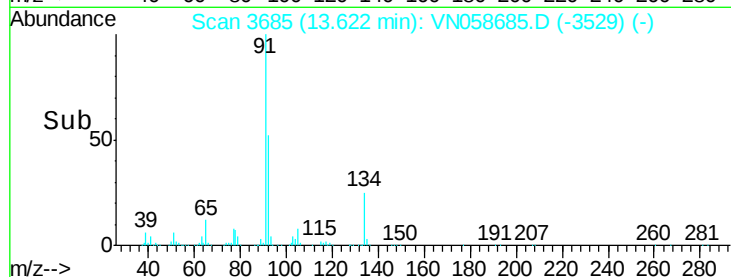
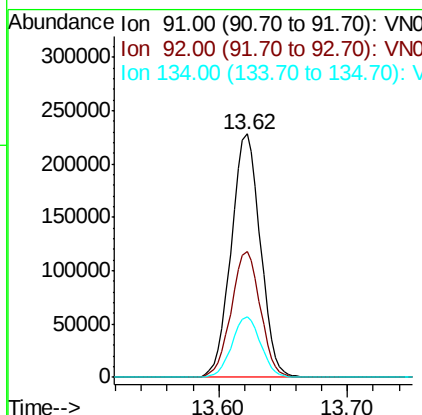
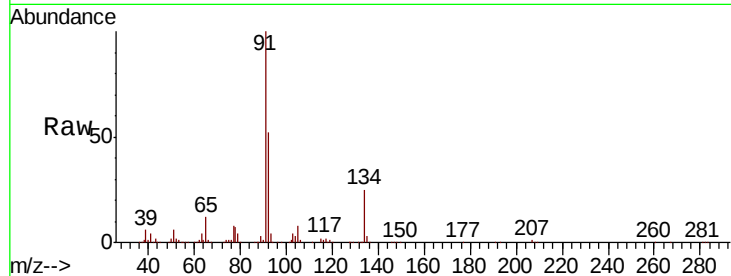
#85
n-Butylbenzene
Concen: 20.082 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	51.6	0.0	102.8		
134	24.7	0.0	48.6		

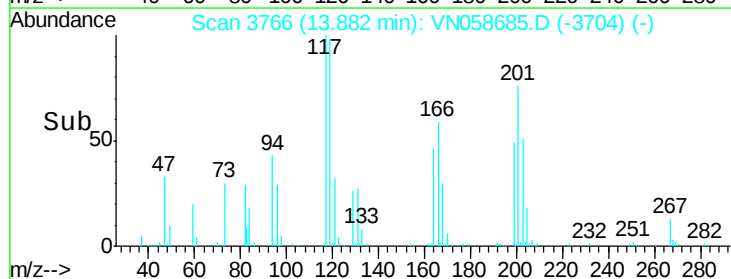
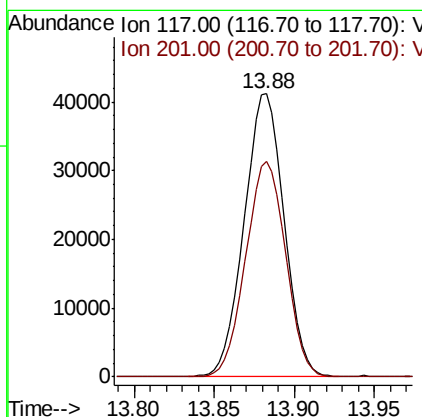
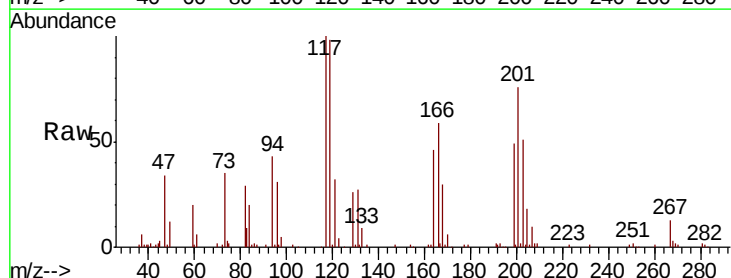
Manual Integrations
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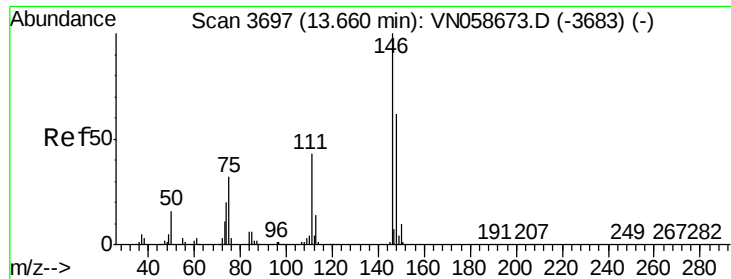
MMDadoda
10/11/2019 2:47:00 PM



#86
Hexachloroethane
Concen: 19.914 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	76.1	38.7	116.1		





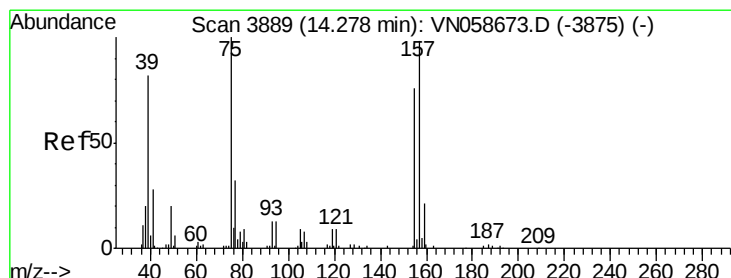
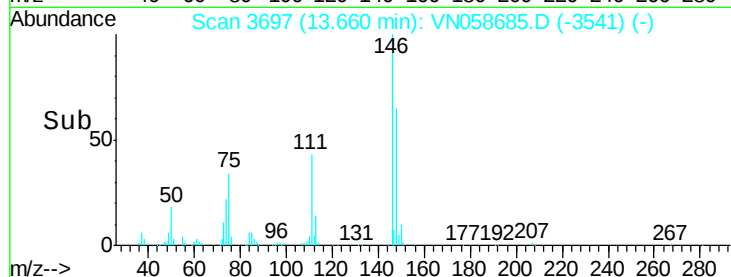
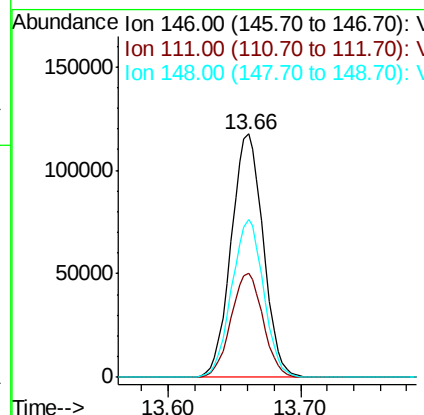
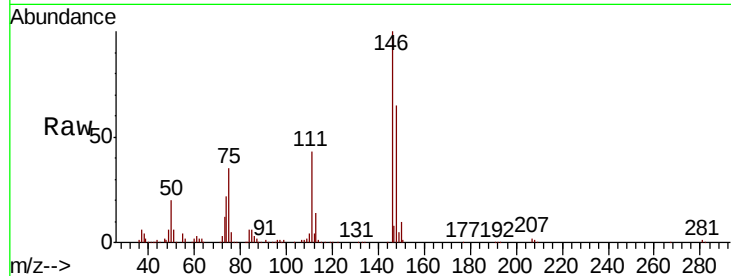
#87
 1,2-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	197906		
111	42.7	21.8	65.4	
148	64.3	32.1	96.5	

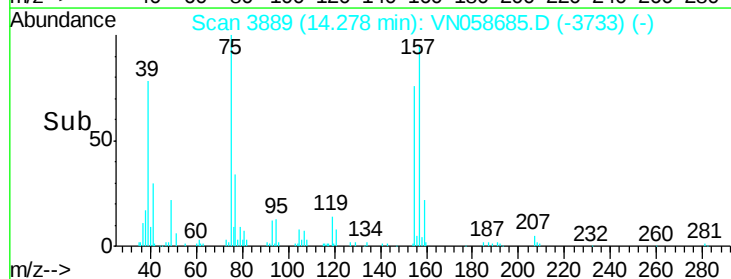
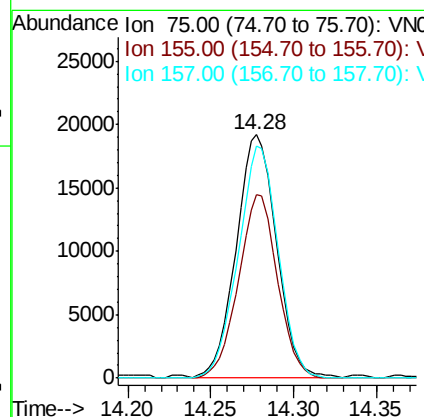
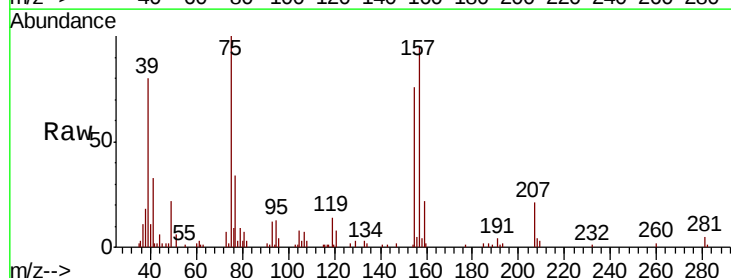
Manual Integrations
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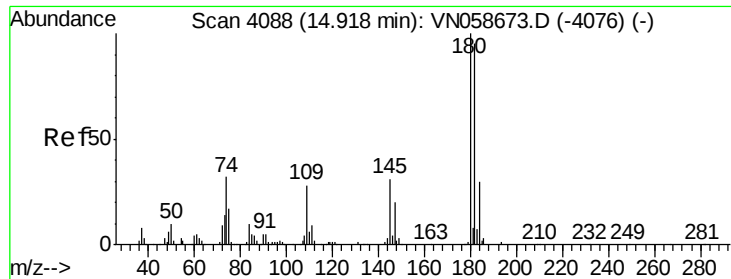
MMDadoda
 10/11/2019 2:47:00 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.767 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32597		
155	72.4	58.3	87.5	
157	93.7	75.0	112.6	





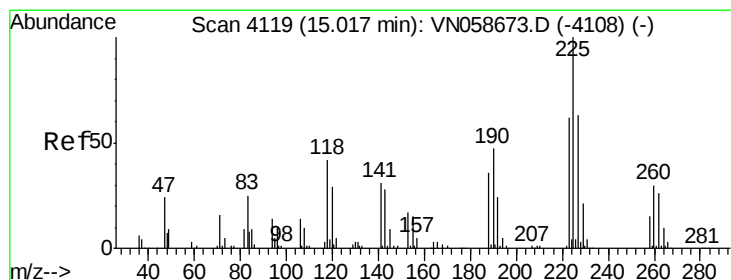
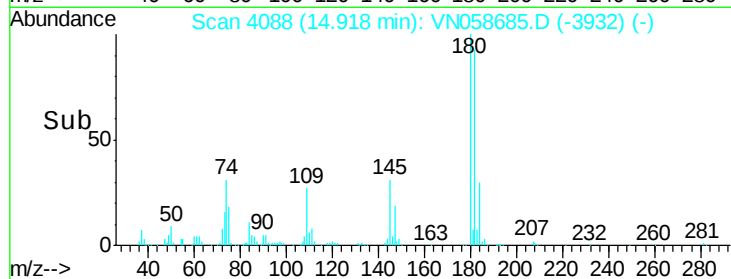
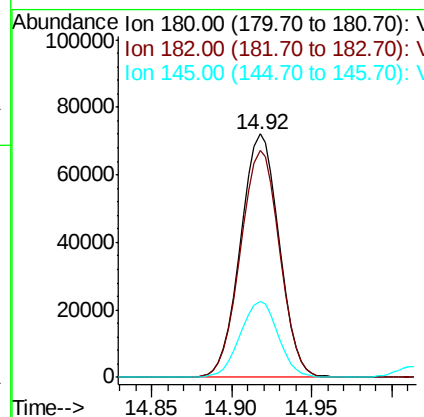
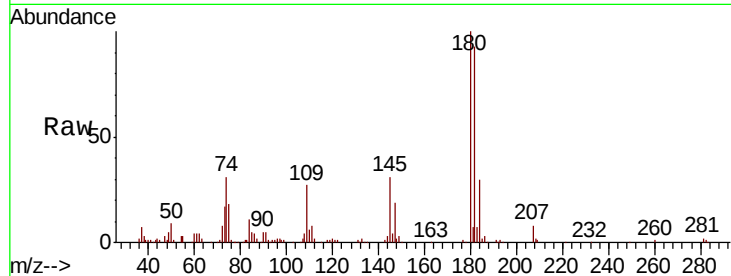
#89
 1,2,4-Trichlorobenzene
 Concen: 19.646 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118456		
182	94.4	75.3	112.9	
145	30.7	24.8	37.2	

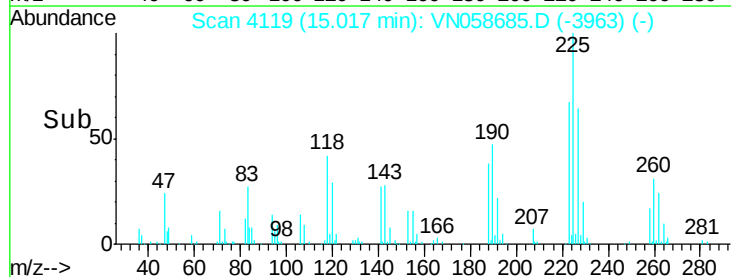
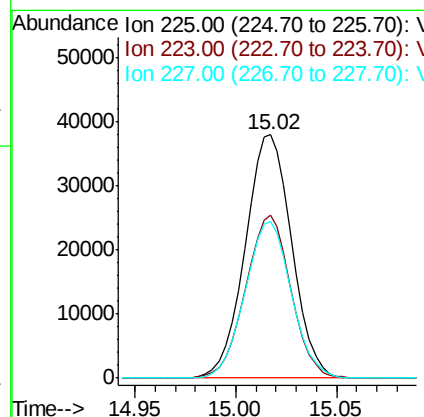
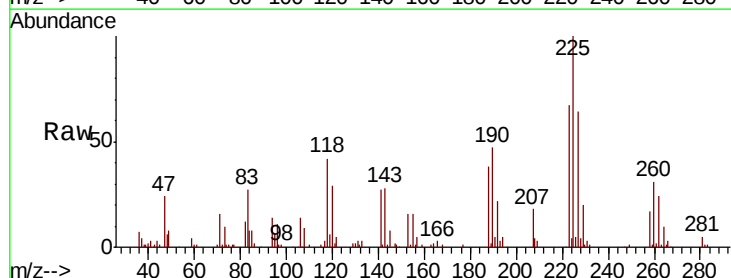
Manual Integrations
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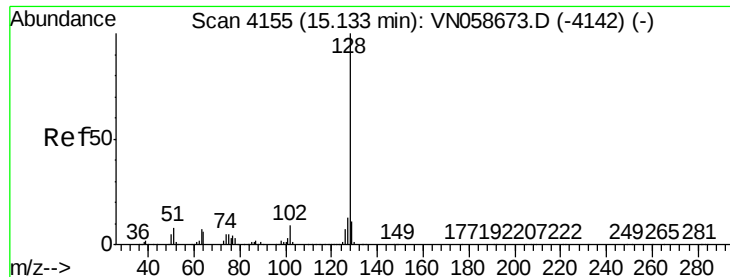
MMDadoda
 10/11/2019 2:47:00 PM



#90
 Hexachlorobutadiene
 Concen: 19.629 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058685.D
 Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61116		
223	65.5	0.0	126.2	
227	64.2	0.0	127.0	





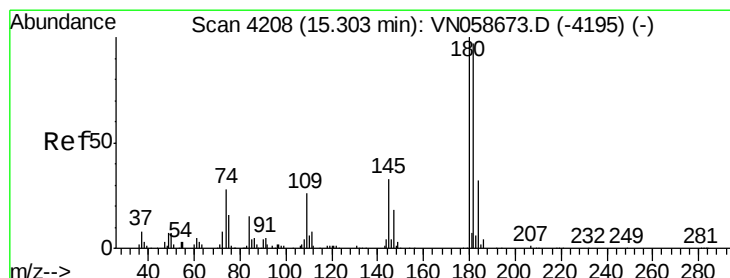
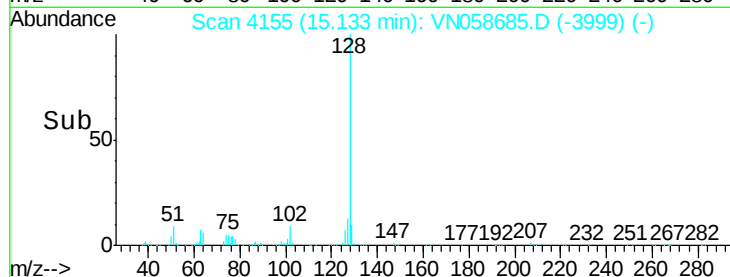
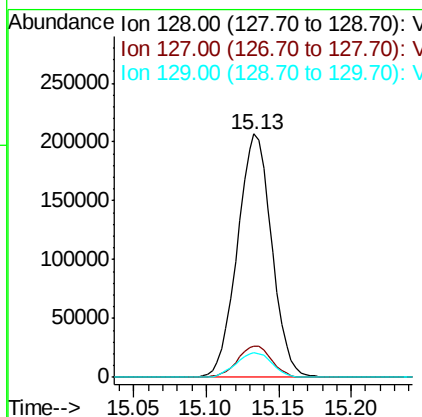
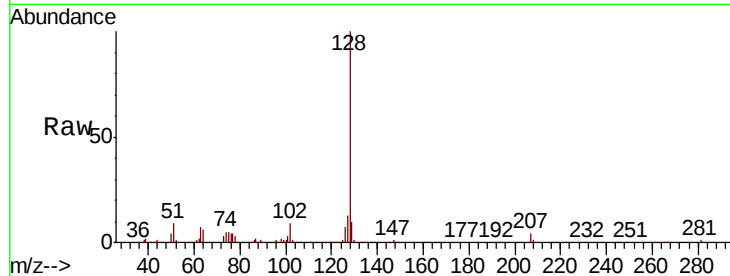
#91
Naphthalene
Concen: 19.114 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/11/2019 2:47:00 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.230 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058685.D
Acq: 10 Oct 2019 23:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	193.4
145	33.0	0.0	65.8

