

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058692.D
 Acq On : 11 Oct 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:59:34 PM

Quant Time: Oct 11 17:43:59 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	7.17	128	71153	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	402209	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	364126	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187273	31.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.37%
60) 4-Bromofluorobenzene	12.40	95	190315	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.08	98	520778	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	86981	22.562 ug/l	98
3) Chloromethane	2.04	50	109607	21.284 ug/l	100
4) Vinyl Chloride	2.17	62	112166	21.075 ug/l	100
5) Bromomethane	2.55	94	70960	21.594 ug/l	99
6) Chloroethane	2.69	64	70480	21.067 ug/l	95
7) Trichlorofluoromethane	3.00	101	142515	21.755 ug/l	99
8) Diethyl Ether	3.39	74	52036	20.827 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83032	21.905 ug/l	98
10) 1,1-Dichloroethene	3.72	96	77674	20.864 ug/l	98
11) Methyl Iodide	3.93	142	108034	20.837 ug/l	98
12) Methyl Acetate	4.30	43	123336	20.707 ug/l	99
13) Acrolein	3.58	56	61384	93.271 ug/l	97
14) Acrylonitrile	4.96	53	249919	106.487 ug/l	99
15) Acetone	3.79	58	74647	107.150 ug/l	92
16) Carbon Disulfide	4.03	76	225480	20.765 ug/l	98
17) Allyl chloride	4.30	41	157114	21.203 ug/l	98
18) Methylene Chloride	4.53	84	94330	20.924 ug/l	99
19) trans-1,2-Dichloroethene	5.01	96	85585	21.117 ug/l	94
20) Diisopropyl ether	5.93	45	317813	21.051 ug/l	97
21) 1,1-Dichloroethane	5.83	63	180478	21.588 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	101047	20.911 ug/l	97
23) tert-Butyl Alcohol	4.75	59	97632	101.704 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	294757	21.223 ug/l	99
25) Chloroform	7.36	83	177301	21.265 ug/l	94
26) Cyclohexane	7.63	56	153886	20.972 ug/l	99
29) 1,1-Dichloropropene	7.78	75	131869	20.828 ug/l	99
30) 2-Butanone	6.81	43	364882	101.984 ug/l	100
31) 2,2-Dichloropropane	6.80	77	157682	21.130 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	155597	21.248 ug/l	100
33) Carbon Tetrachloride	7.76	117	134069	21.152 ug/l	98
34) Benzene	8.02	78	386466	20.734 ug/l	98
35) Methacrylonitrile	7.15	41	61613	19.494 ug/l	88
36) 1,2-Dichloroethane	8.11	62	153044	21.475 ug/l	100
37) Trichloroethene	8.82	130	97122	21.209 ug/l	98
38) Methylcyclohexane	9.07	83	148217	20.191 ug/l	98
39) 1,2-Dichloropropane	9.11	63	107114	21.028 ug/l	95
40) Dibromomethane	9.20	93	66553	20.696 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	136314	20.750	ug/l	98
42) Vinyl Acetate	5.87	43	1356871	108.286	ug/l	100
43) Ethyl Acetate	6.90	43	148839	21.195	ug/l	98
44) Isopropyl Acetate	8.15	43	232471	20.437	ug/l	97
45) 1,4-Dioxane	9.19	88	33678	385.575	ug/l	99
46) Methyl methacrylate	9.19	41	107381	20.563	ug/l	98
47) n-amyl Acetate	12.07	43	200242	19.858	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154409	20.266	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	168638	21.078	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	97243	21.183	ug/l	98
51) Ethyl methacrylate	10.43	69	147103	20.040	ug/l	99
52) 1,3-Dichloropropane	10.71	76	168318	20.589	ug/l	98
53) Dibromochloromethane	10.90	129	102272	20.759	ug/l	98
54) 1,2-Dibromoethane	11.00	107	97539	20.499	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	375560	102.855	ug/l	100
56) Bromoform	12.13	173	68936	20.087	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	731253	110.085	ug/l	100
59) 2-Hexanone	10.75	43	547404	105.116	ug/l	100
61) Tetrachloroethene	10.63	164	84675	21.520	ug/l	98
62) Toluene	10.15	91	413048	21.088	ug/l	98
64) Chlorobenzene	11.43	112	250468	20.916	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	94445	21.034	ug/l	99
66) Ethyl Benzene	11.51	91	452437	20.861	ug/l	99
67) m/p-Xylenes	11.62	106	338310	41.753	ug/l	99
68) o-Xylene	11.95	106	162526	20.691	ug/l	99
69) Styrene	11.97	104	263018	20.268	ug/l	99
70) Isopropylbenzene	12.25	105	445575	21.010	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	149447	20.932	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	144596m	22.351	ug/l	
73) Bromobenzene	12.53	156	104367	20.261	ug/l	96
74) n-propylbenzene	12.59	91	527812	21.263	ug/l	100
75) 2-Chlorotoluene	12.68	91	315126	21.099	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	378902	20.860	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47217	19.159	ug/l	98
78) 4-Chlorotoluene	12.78	91	319631	20.764	ug/l	99
79) tert-butylbenzene	13.00	119	322752	20.798	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	380057	21.057	ug/l	100
81) sec-Butylbenzene	13.18	105	433695	20.766	ug/l	99
82) p-Isopropyltoluene	13.29	119	391713	20.887	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	192765	20.680	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	186685	20.051	ug/l	98
85) n-Butylbenzene	13.62	91	352121	20.508	ug/l	99
86) Hexachloroethane	13.88	117	67303	19.720	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	188224	20.455	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	33197	20.890	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	116004	19.965	ug/l	99
90) Hexachlorobutadiene	15.01	225	61210	20.401	ug/l	98
91) Naphthalene	15.13	128	346153	20.178	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	113846	20.128	ug/l	99

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QLast Update : Fri Oct 11 04:26:47 2019
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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

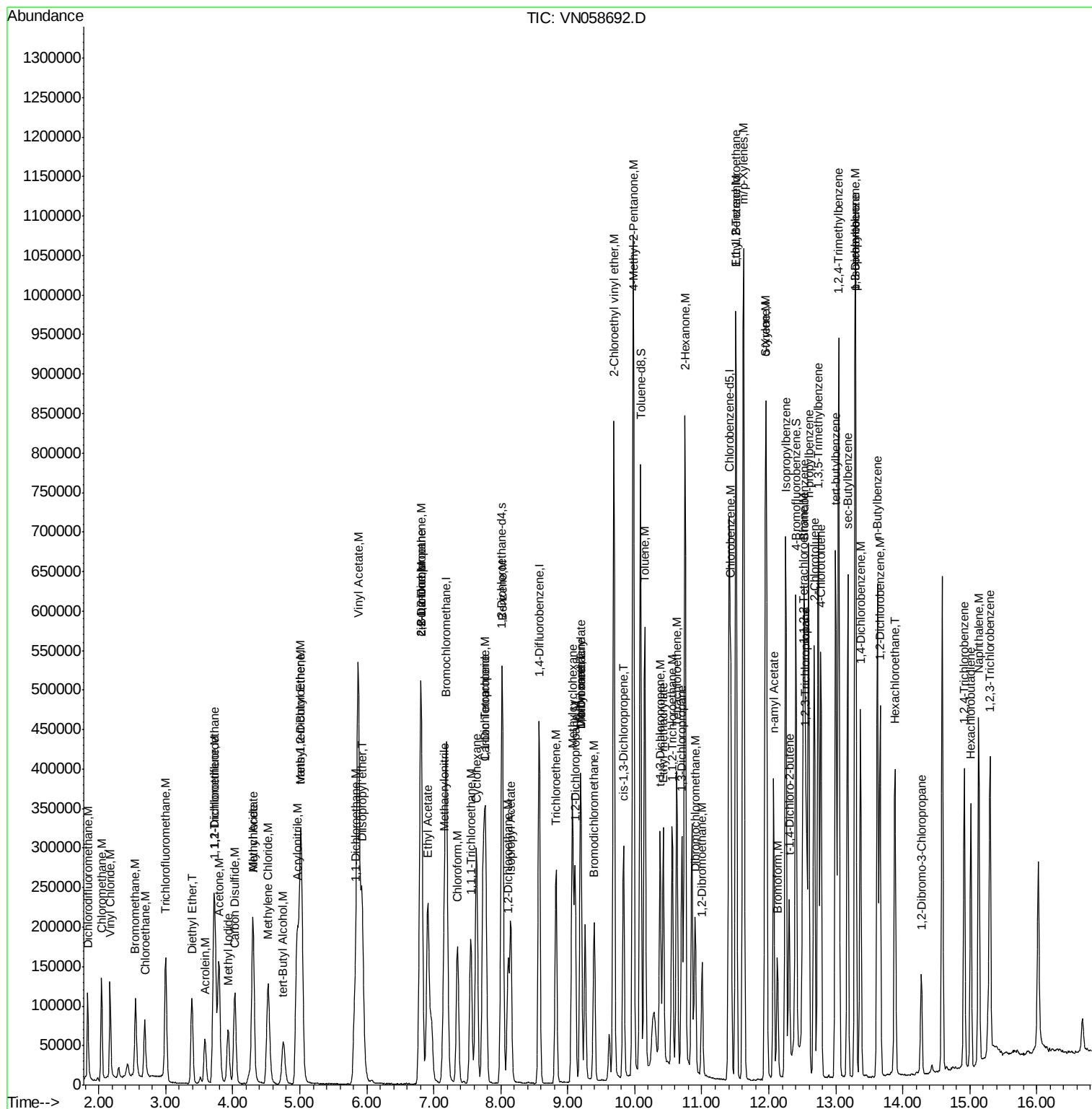
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
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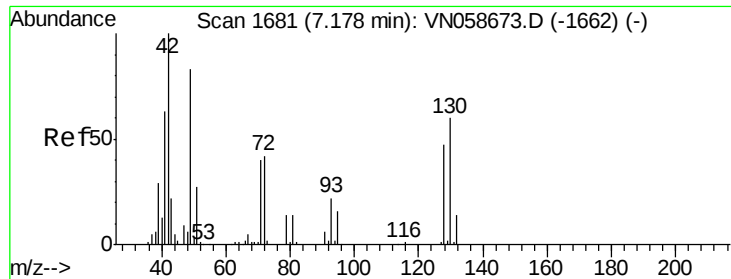
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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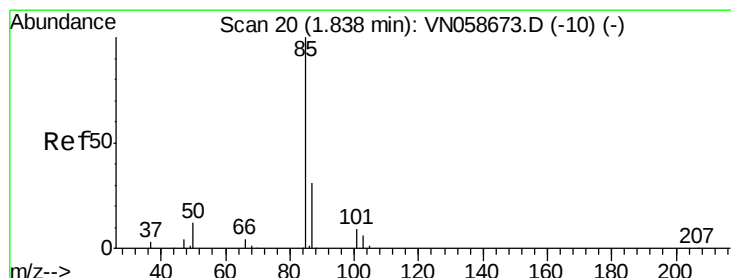
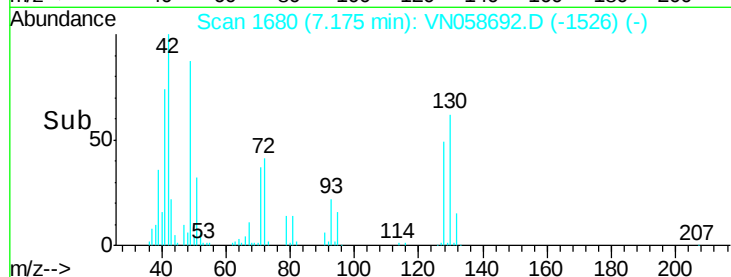
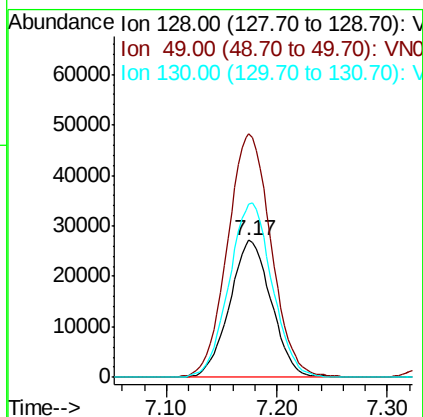
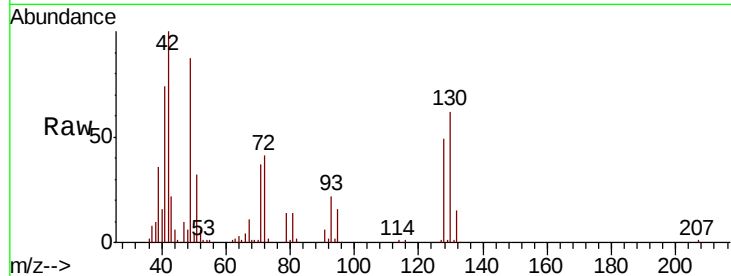
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

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VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	185.8	0.0	453.5
130	131.3	0.0	314.2

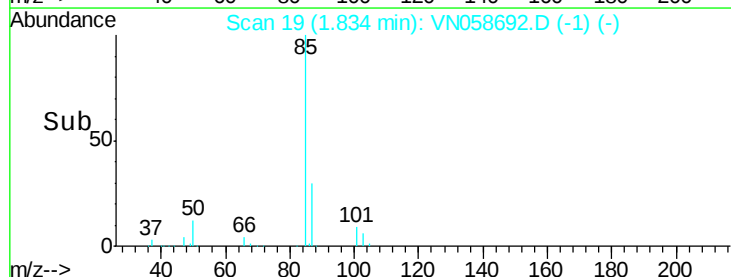
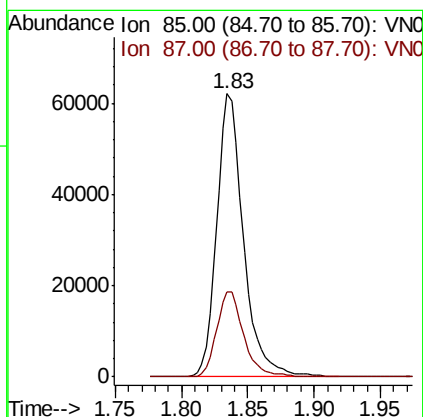
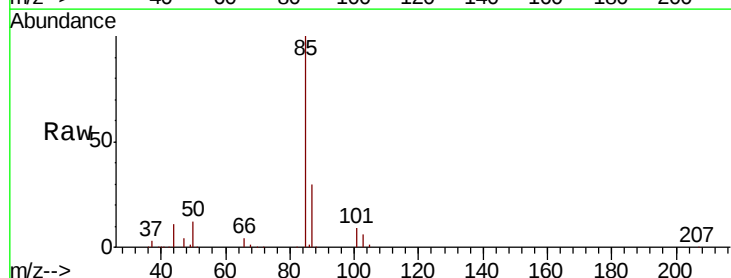
Manual Integrations
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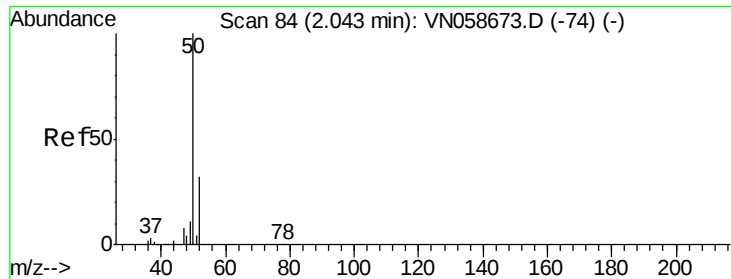
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#2
Dichlorodifluoromethane
Concen: 22.562 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	15.7	47.0





#3

Chloromethane

Concen: 21.284 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 109607

Ion Ratio Lower Upper

50 100

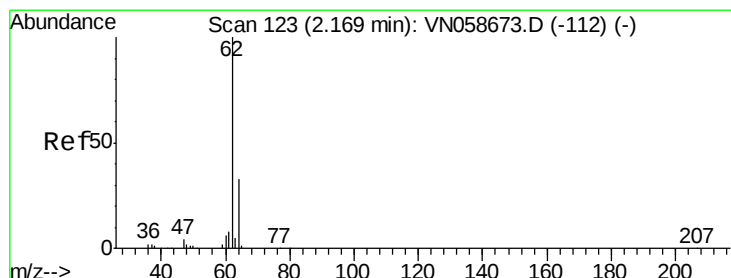
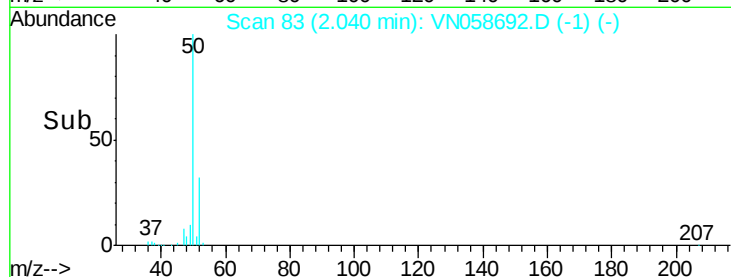
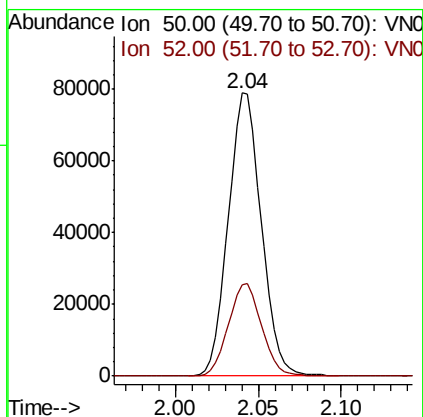
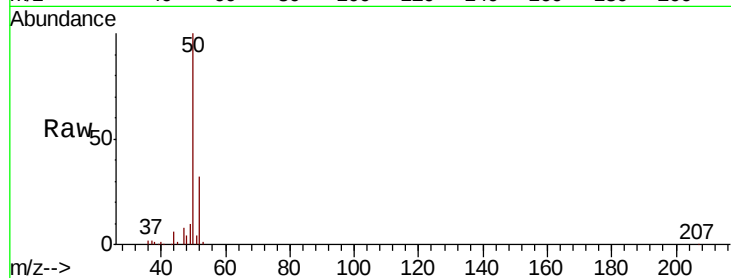
52 32.5 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.075 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058692.D

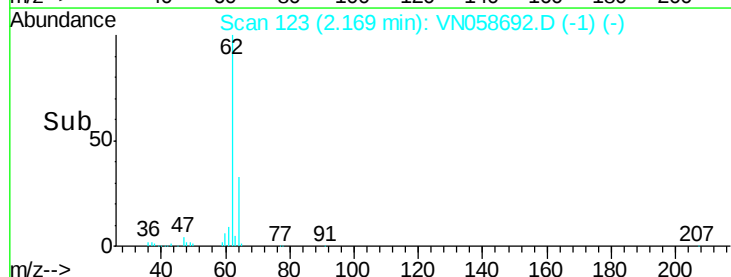
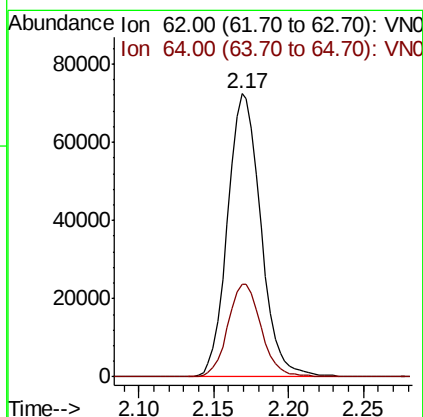
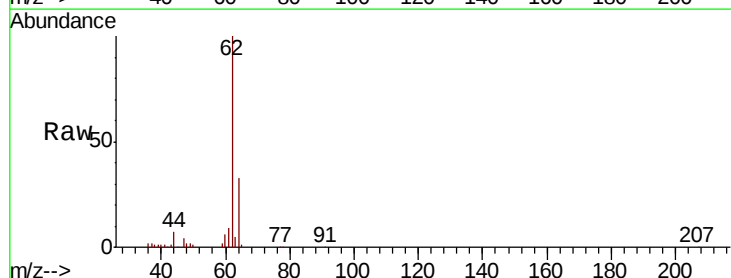
Acq: 11 Oct 2019 10:47

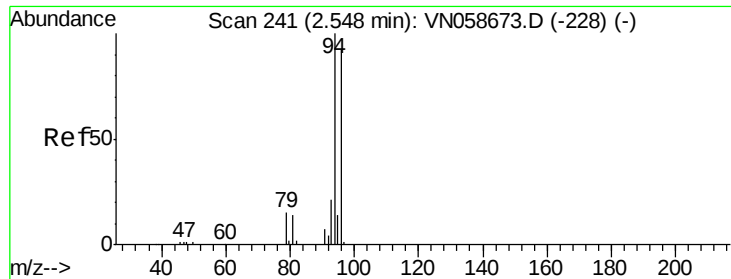
Tgt Ion: 62 Resp: 112166

Ion Ratio Lower Upper

62 100

64 32.9 26.1 39.1





#5

Bromomethane

Concen: 21.594 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 70960

Ion Ratio Lower Upper

94 100

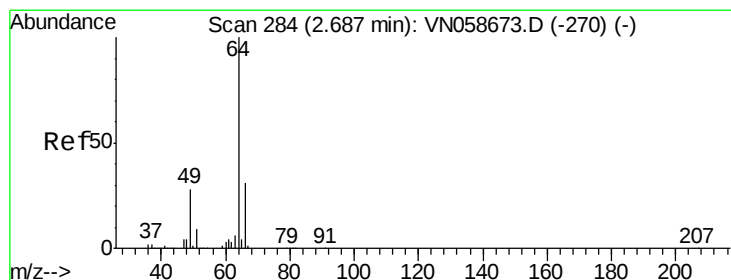
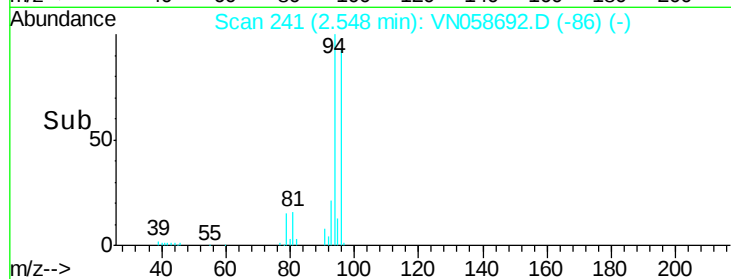
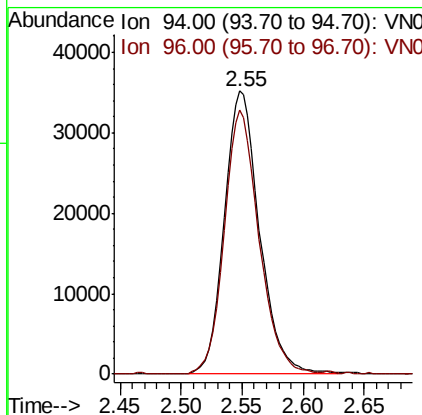
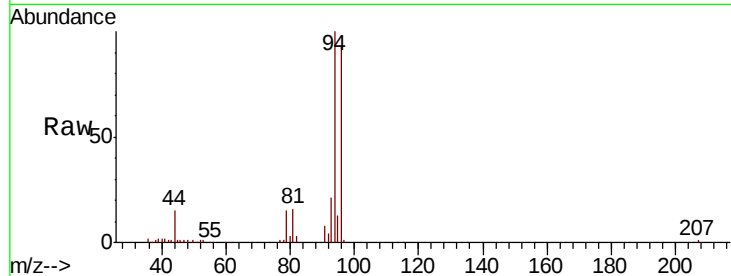
96 93.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 21.067 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058692.D

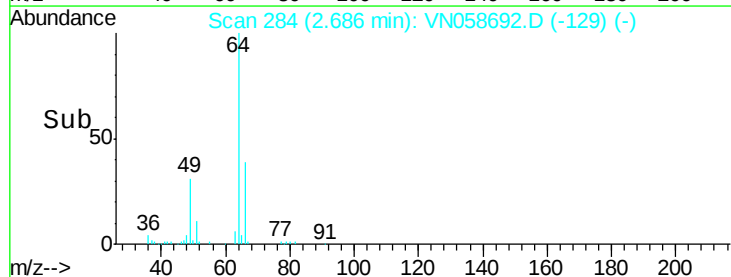
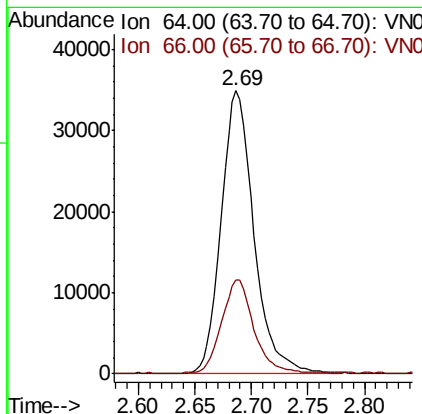
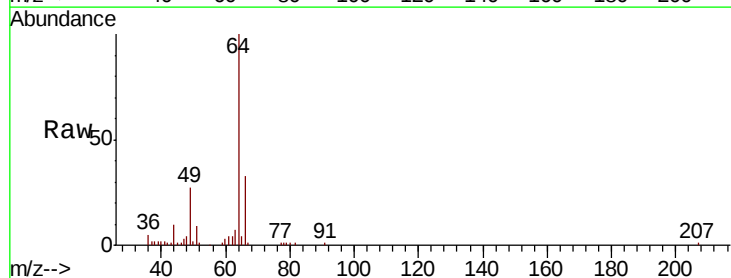
Acq: 11 Oct 2019 10:47

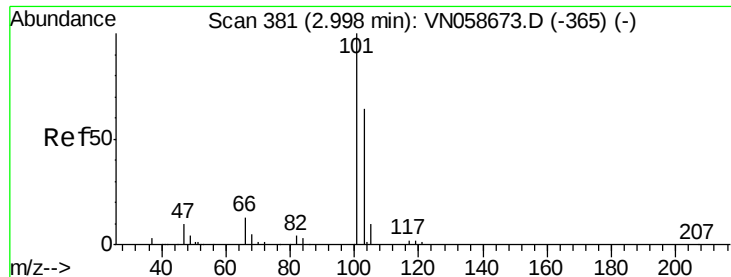
Tgt Ion: 64 Resp: 70480

Ion Ratio Lower Upper

64 100

66 33.4 24.6 36.8





#7

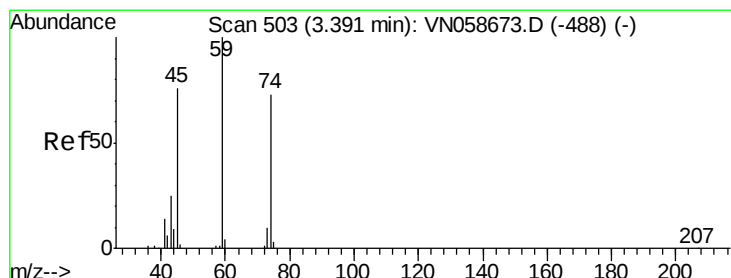
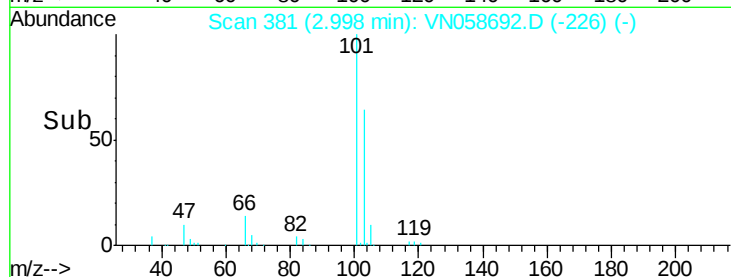
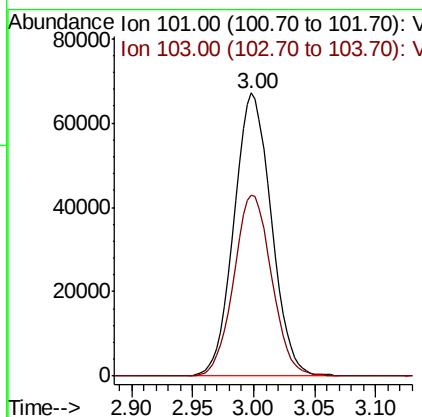
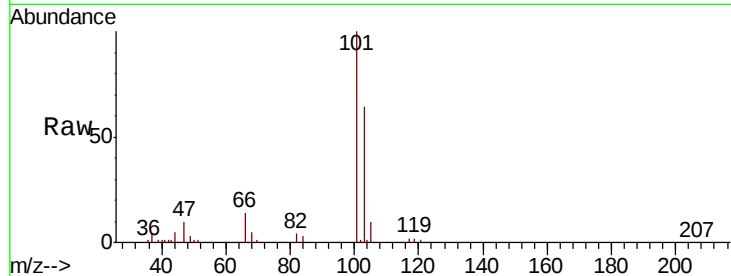
Trichlorofluoromethane
 Concen: 21.755 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	142515		
103	64.0	51.5	77.3	

Manual Integrations
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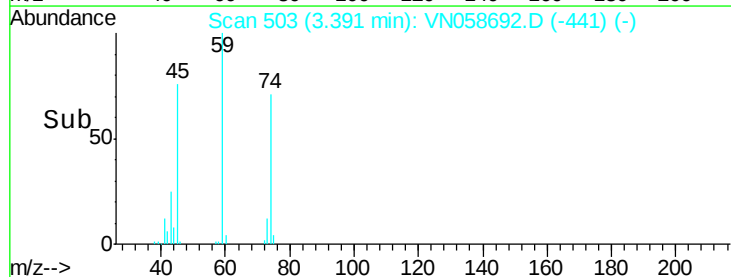
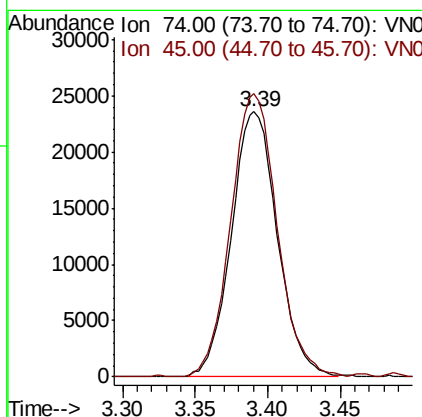
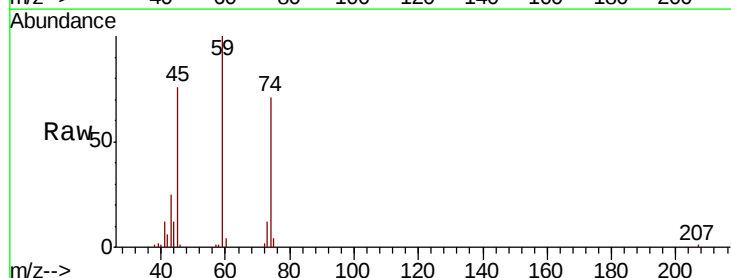
MMDadoda
 10/14/2019 4:59:34 PM

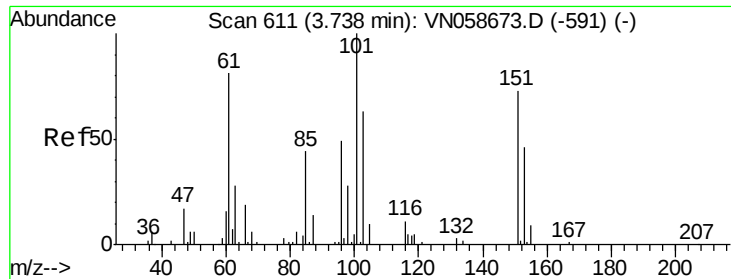


#8

Diethyl Ether
 Concen: 20.827 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52036		
45	107.9	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.905 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

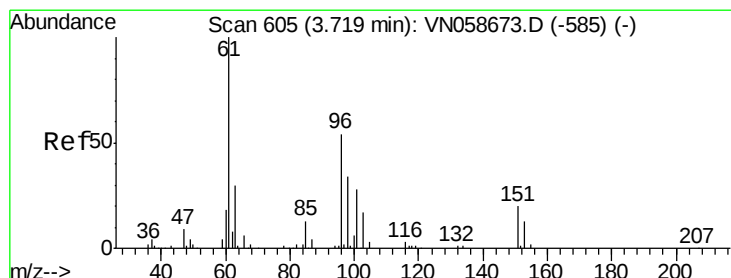
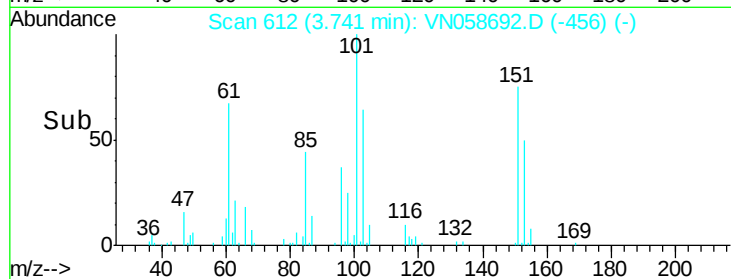
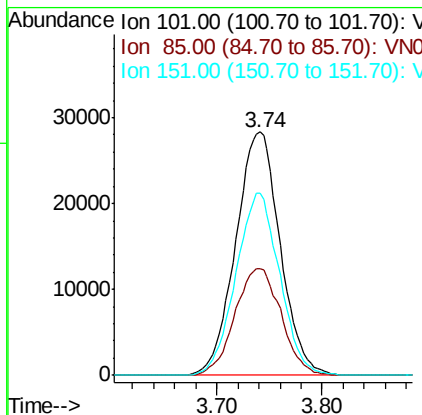
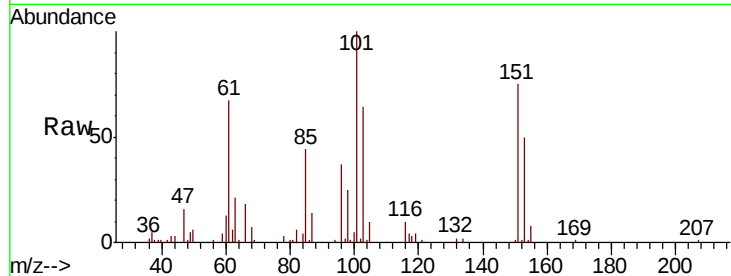
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	83032
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	93.8
151	73.7	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 20.864 ug/l

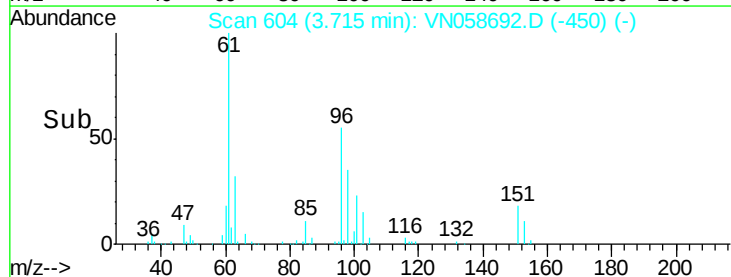
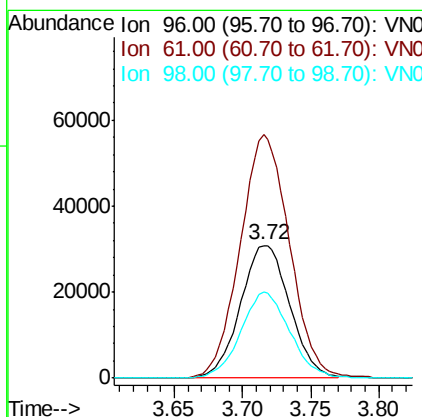
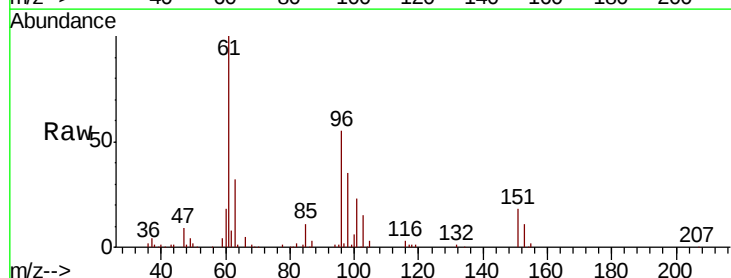
RT: 3.72 min Scan# 604

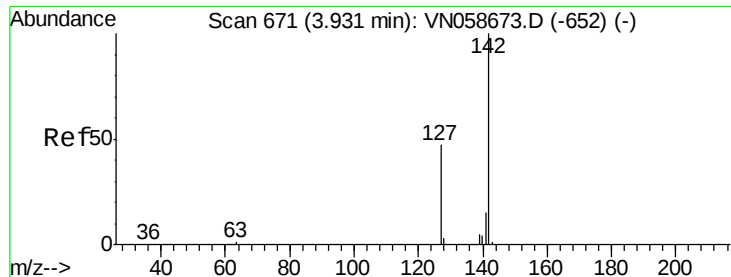
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion:	96	Resp:	77674
Ion Ratio	Lower	Upper	
96	100		
61	182.9	148.5	222.7
98	65.0	51.0	76.6





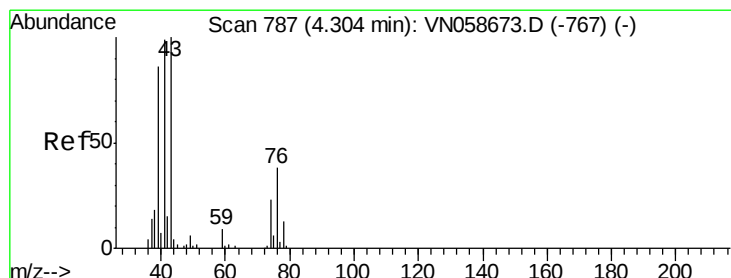
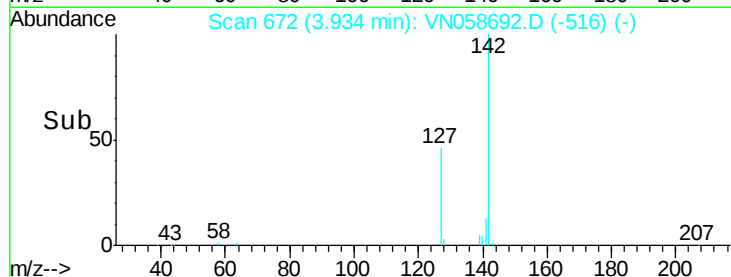
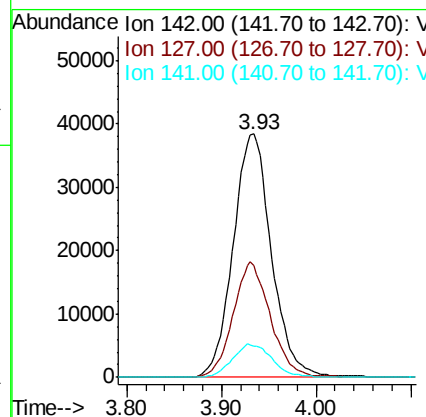
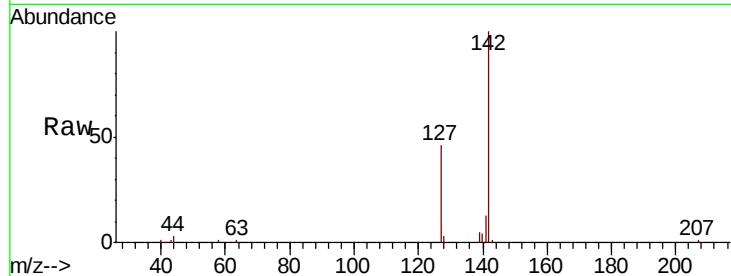
#11
Methyl Iodide
Concen: 20.837 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.5	70.6
141	13.0	7.4	22.2

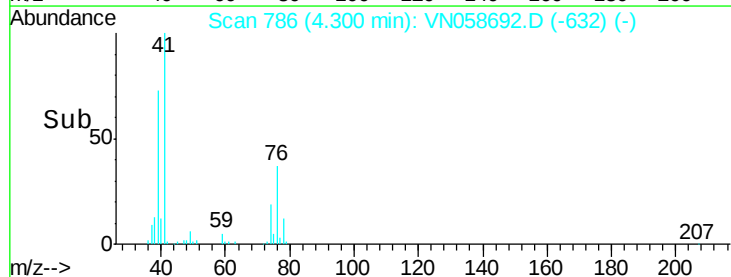
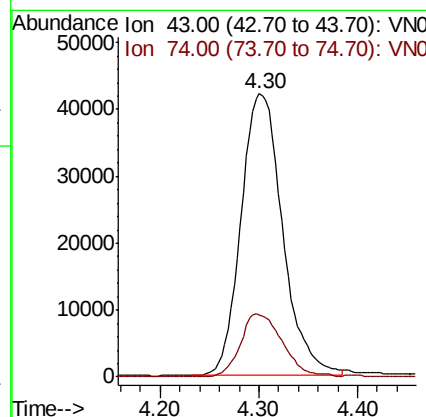
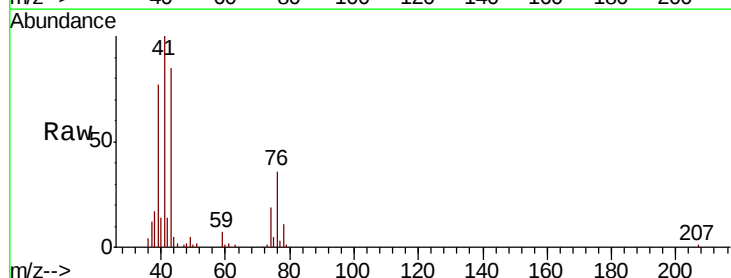
Manual Integrations
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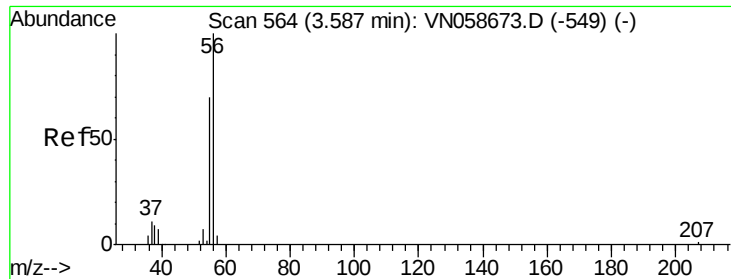
MMDadoda
10/14/2019 4:59:34 PM



#12
Methyl Acetate
Concen: 20.707 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.1	27.1





#13

Acrolein

Concen: 93.271 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 61384

Ion Ratio Lower Upper

56 100

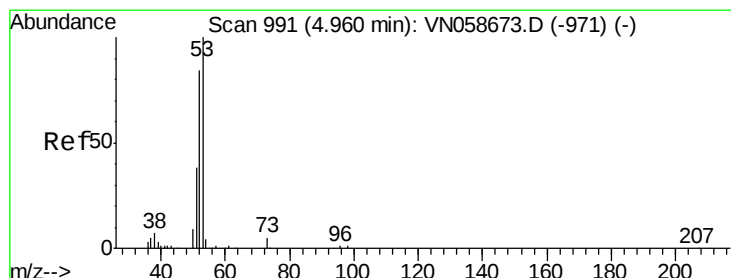
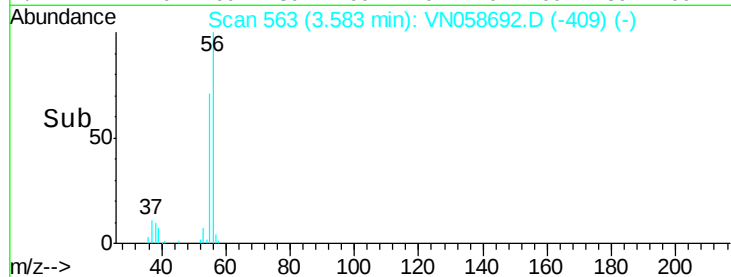
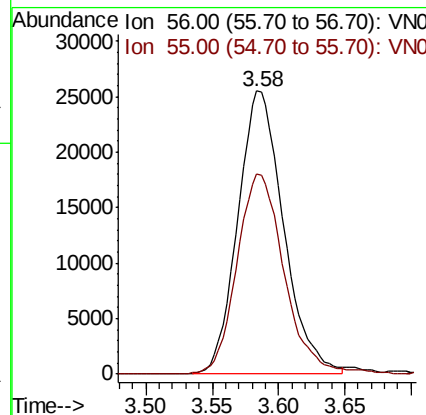
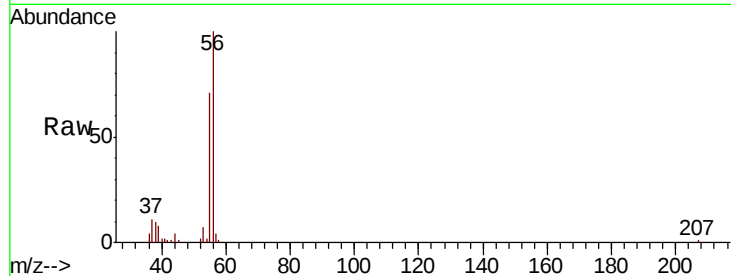
55 72.5 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 106.487 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

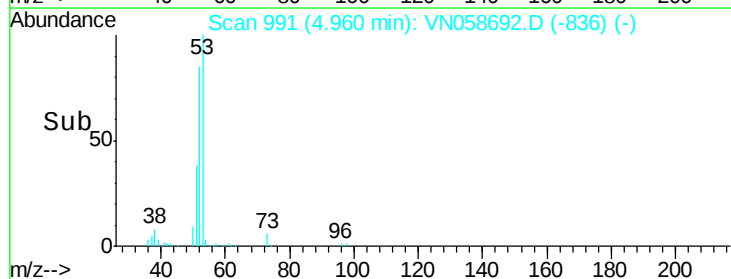
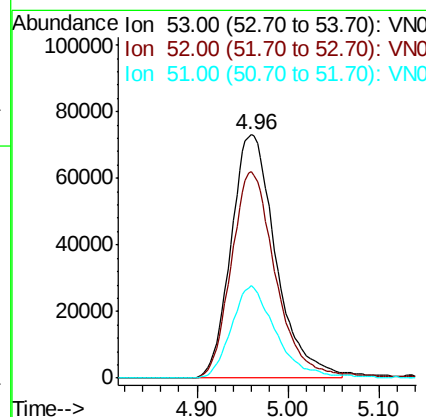
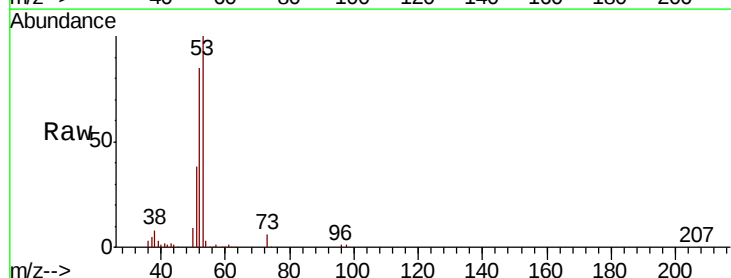
Tgt Ion: 53 Resp: 249919

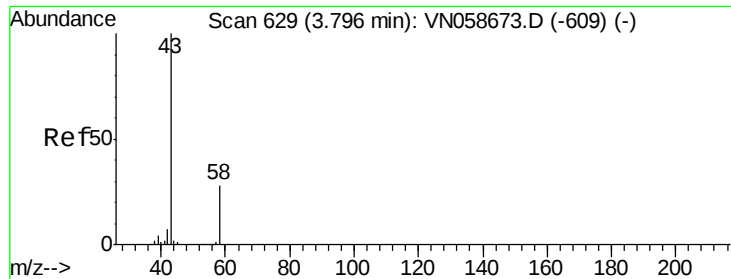
Ion Ratio Lower Upper

53 100

52 83.8 42.2 126.6

51 37.4 18.8 56.4





#15

Acetone

Concen: 107.150 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 74647

Ion Ratio Lower Upper

58 100

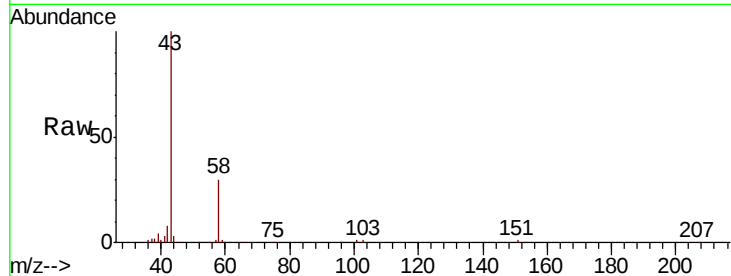
43 335.1 281.7 422.5

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN058692.D (-474) (-)

Ion 43.00 (42.70 to 43.70): VN058692.D (-474) (-)

100000

80000

60000

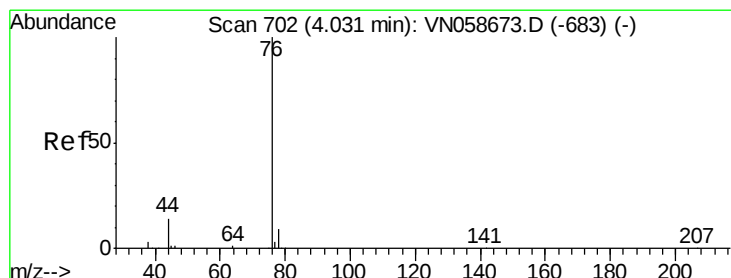
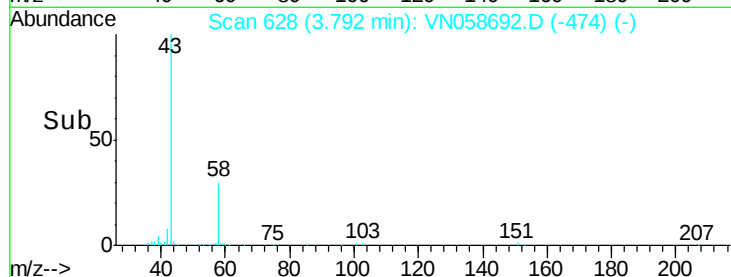
40000

20000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.765 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058692.D

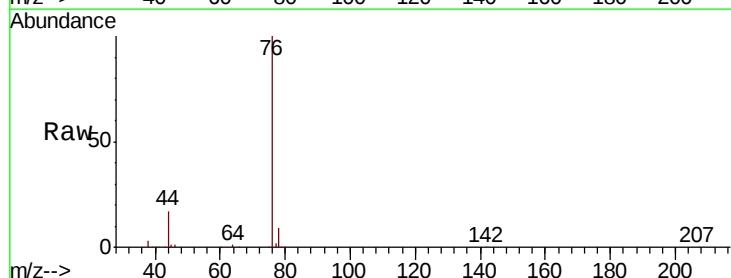
Acq: 11 Oct 2019 10:47

Tgt Ion: 76 Resp: 225480

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058692.D (-547) (-)

Ion 78.00 (77.70 to 78.70): VN058692.D (-547) (-)

100000

80000

60000

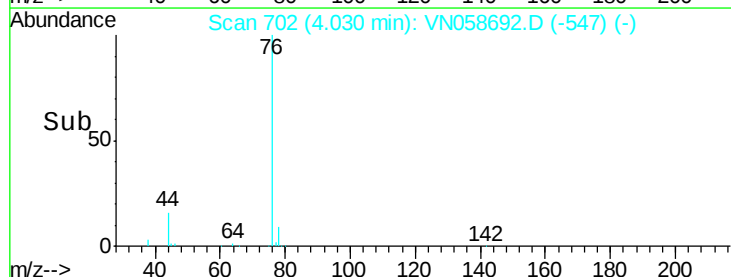
40000

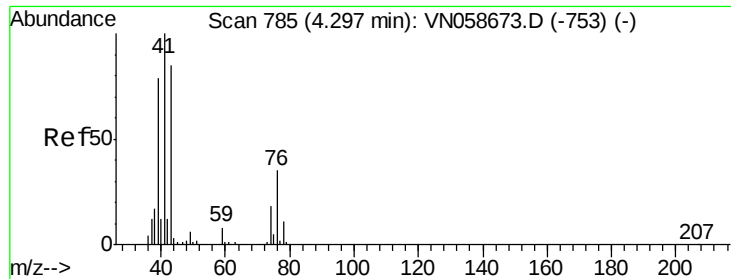
20000

0

3.90 4.00 4.10

Time-->





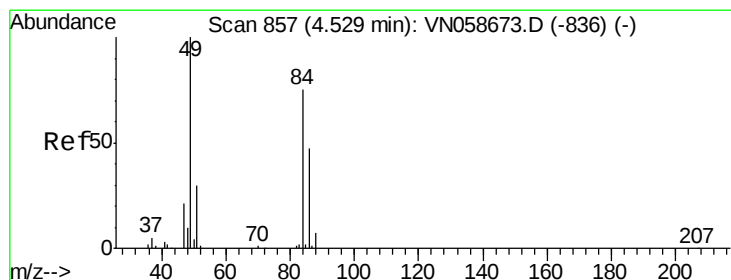
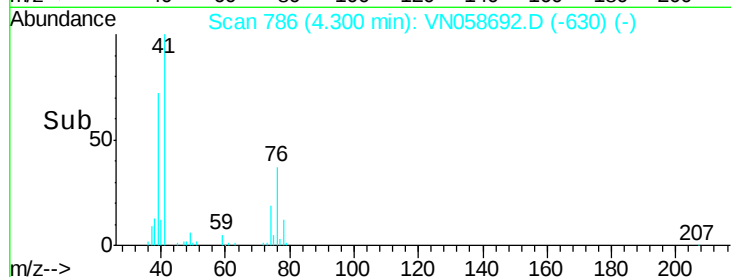
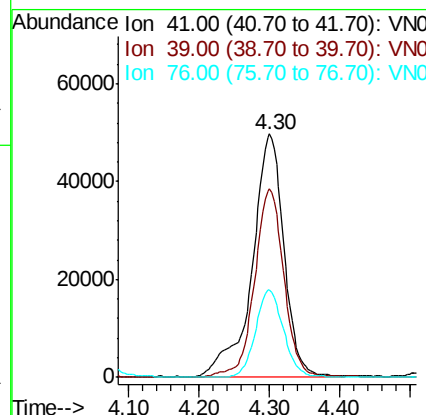
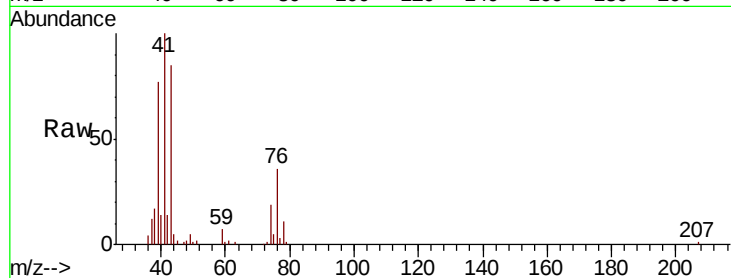
#17
Allvl chloride
Concen: 21.203 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.3	39.6	118.8
76	35.7	17.6	52.9

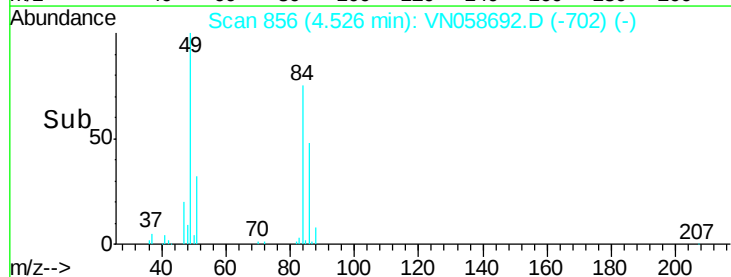
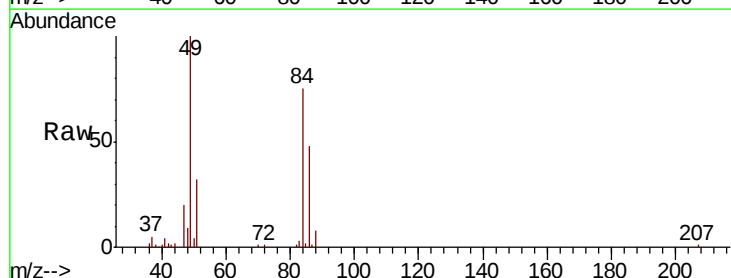
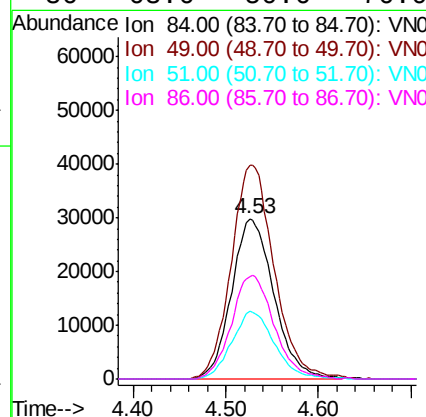
Manual Integrations
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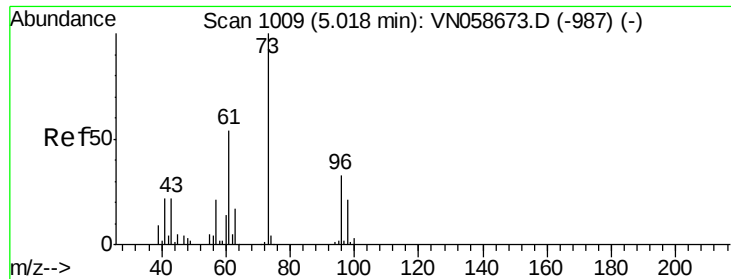
MMDadoda
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#18
Methylene Chloride
Concen: 20.924 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	106.6	160.0
51	41.9	32.4	48.6
86	63.6	50.6	76.0





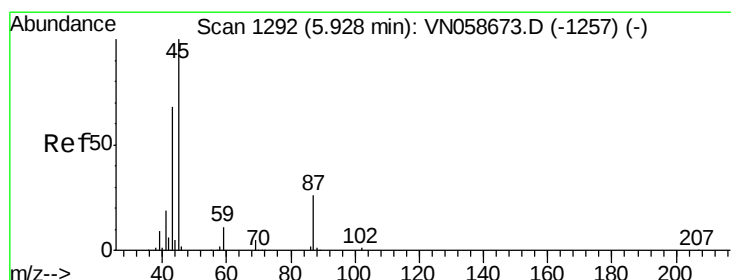
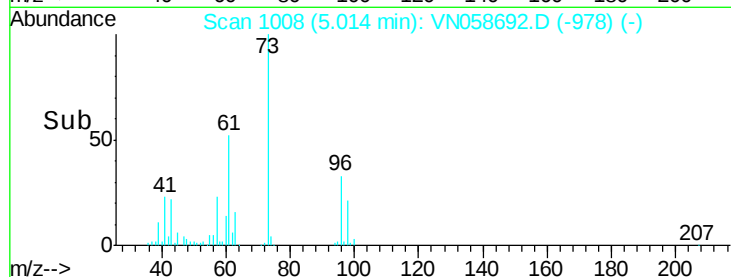
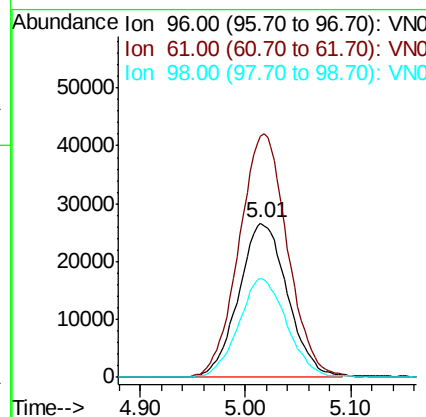
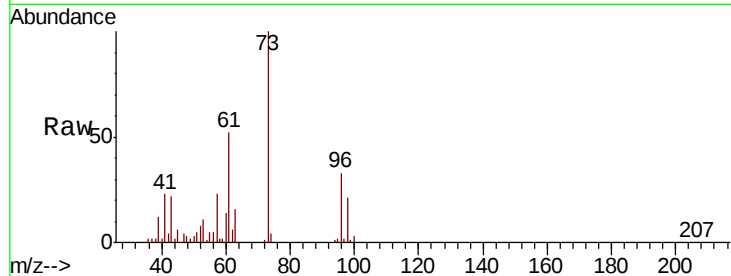
#19
trans-1,2-Dichloroethene
Concen: 21.117 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	131.8	197.6
98	64.4	52.6	79.0

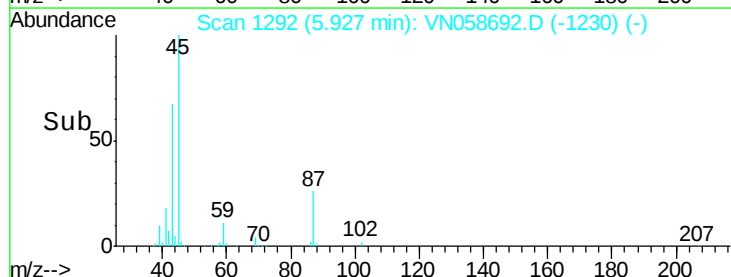
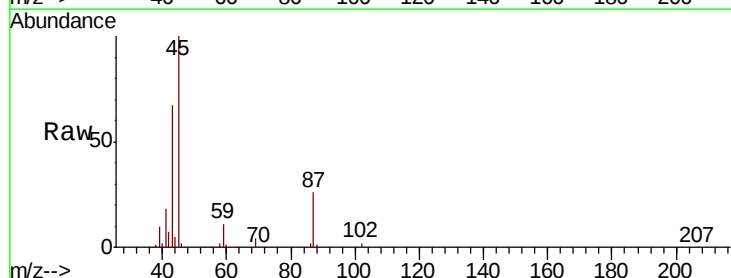
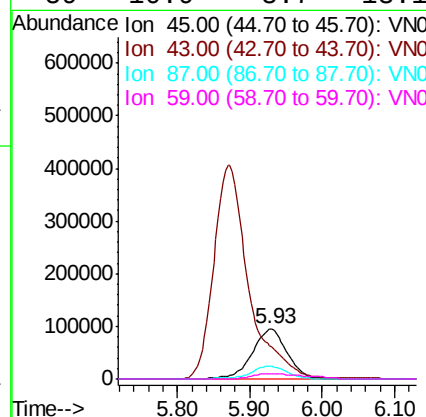
Manual Integrations
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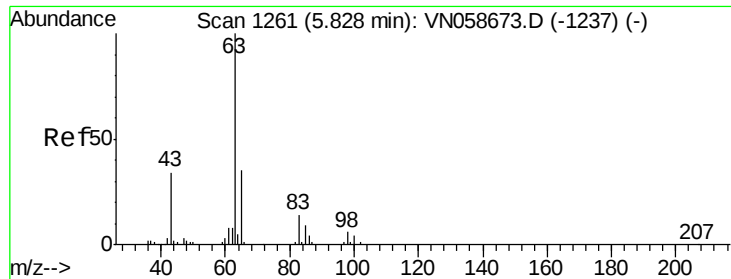
MMDadoda
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#20
Diisopropyl ether
Concen: 21.051 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	54.7	82.1
87	25.6	21.5	32.3
59	10.9	8.7	13.1





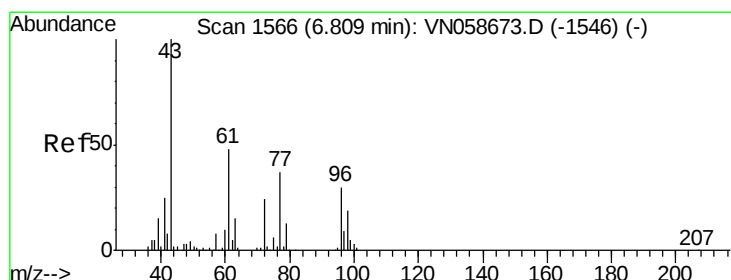
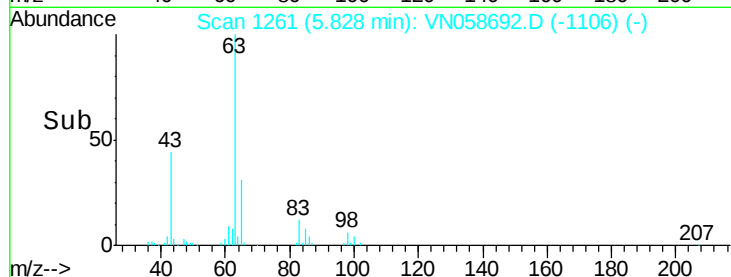
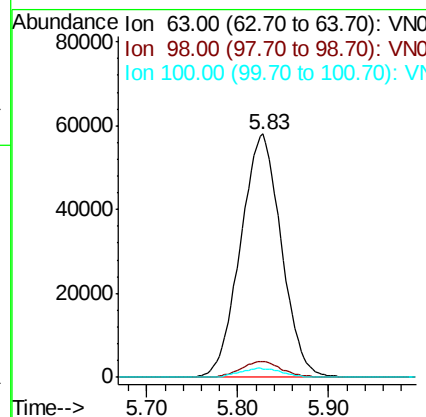
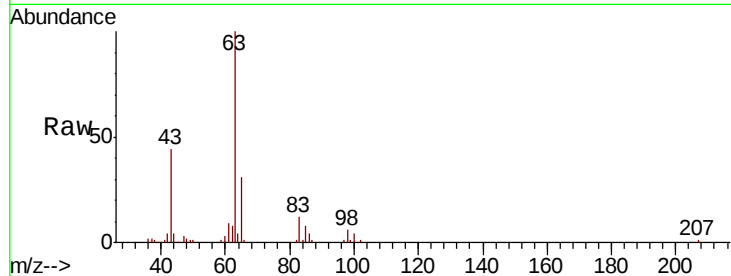
#21
 1,1-Dichloroethane
 Concen: 21.588 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.4	2.9	8.6
100	3.5	1.8	5.5

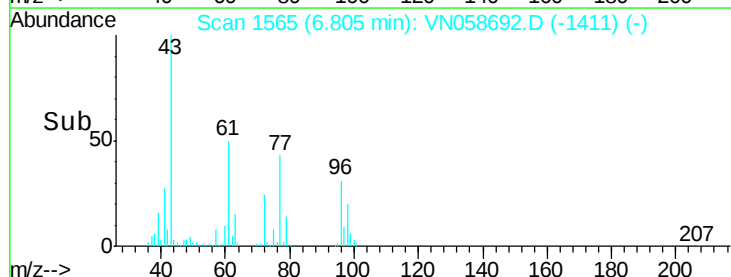
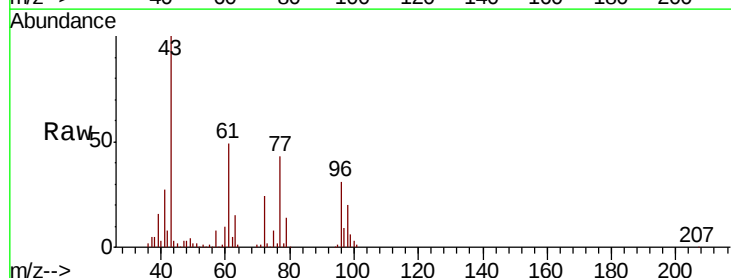
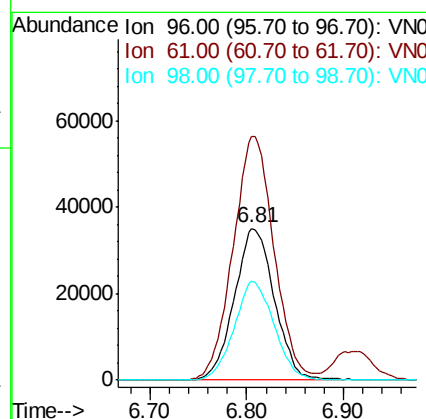
Manual Integrations
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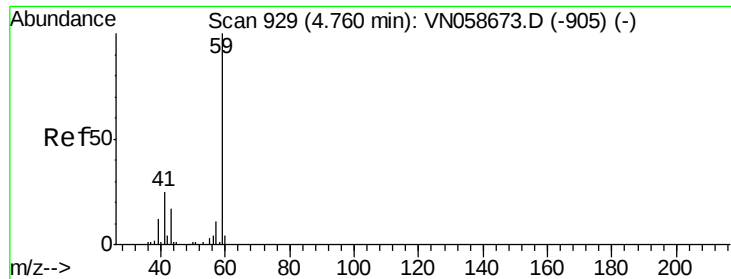
MMDadoda
 10/14/2019 4:59:34 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.911 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	163.9	127.2	190.8
98	64.6	50.5	75.7





#23

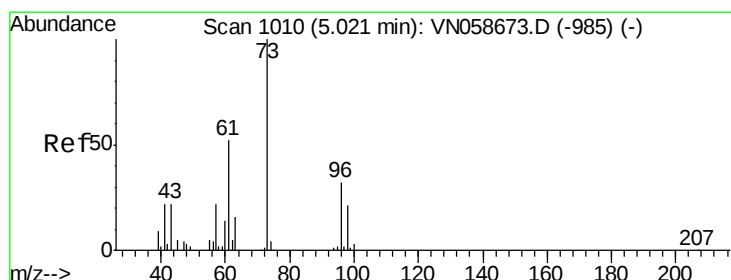
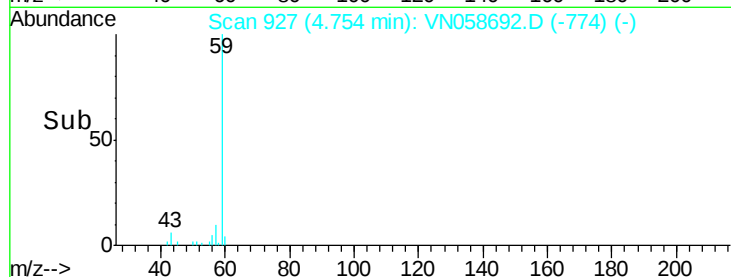
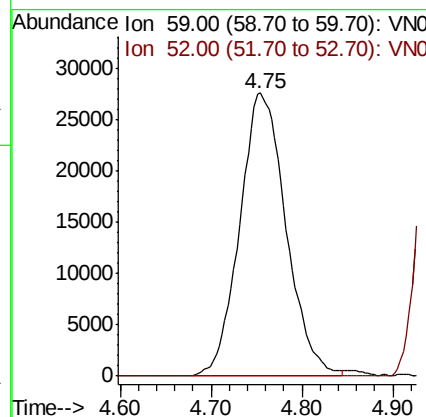
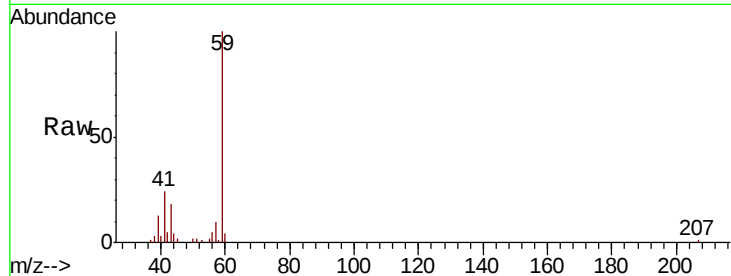
tert-Butyl Alcohol
Concen: 101.704 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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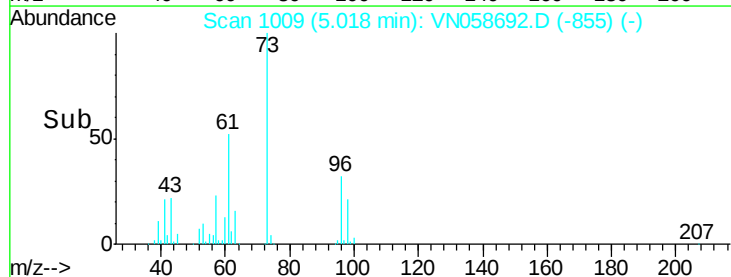
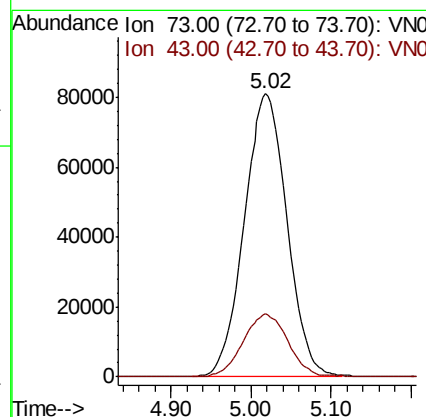
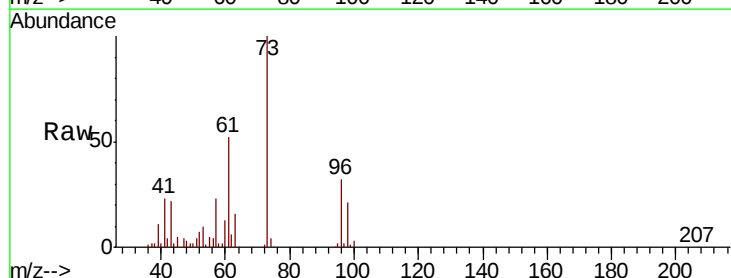
MMDadoda
10/14/2019 4:59:34 PM

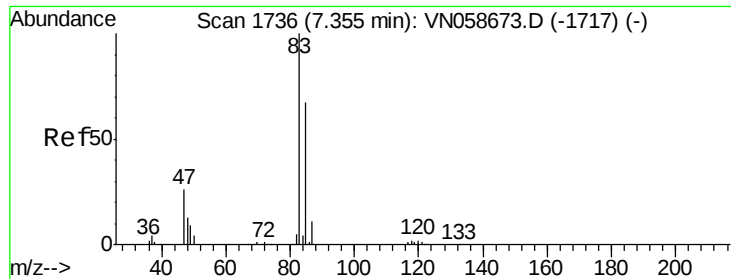


#24

Methyl tert-Butyl Ether
Concen: 21.223 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.6	17.9	26.9





#25

Chloroform

Concen: 21.265 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 177301

Ion Ratio Lower Upper

83 100

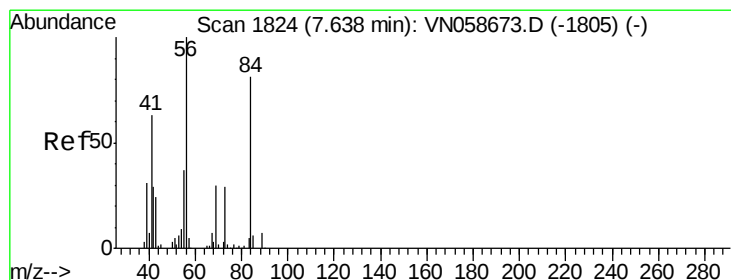
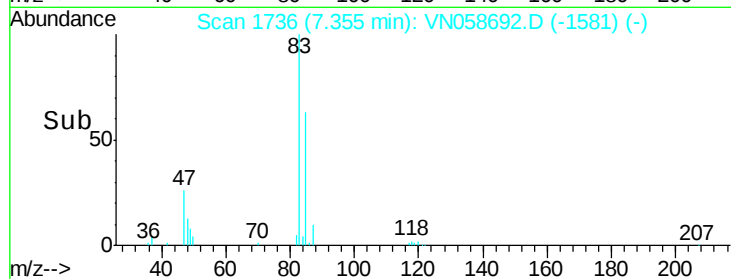
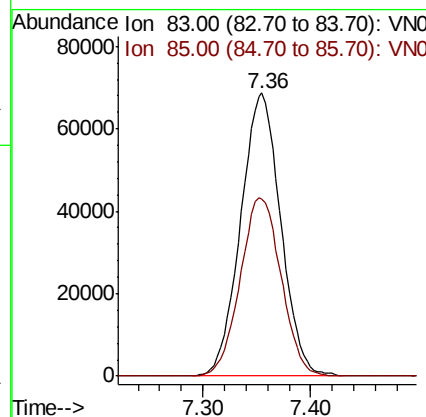
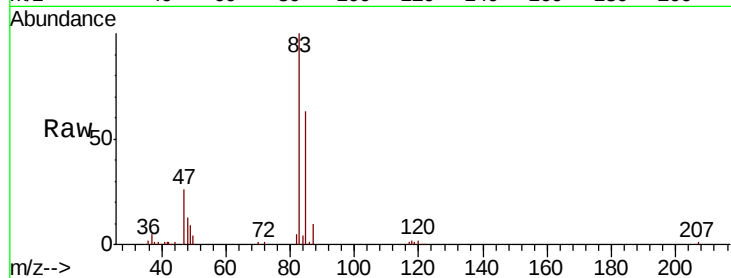
85 62.8 53.8 80.8

Manual Integrations

APPROVED

MMDadoda

10/14/2019 4:59:34 PM



#26

Cyclohexane

Concen: 20.972 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

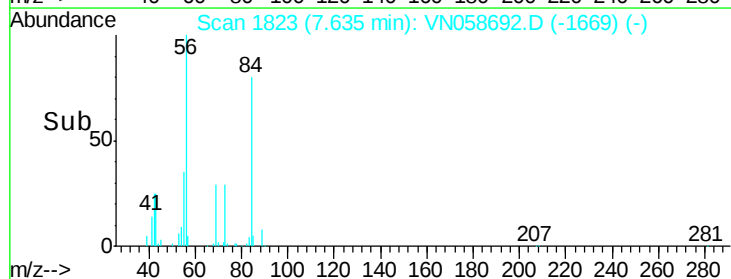
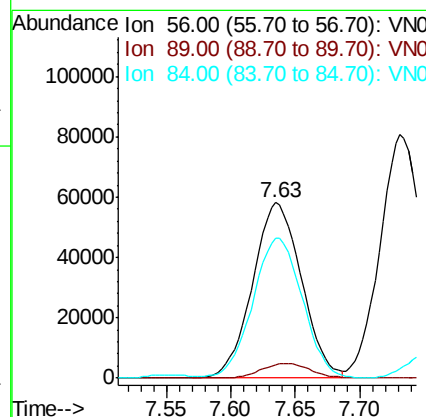
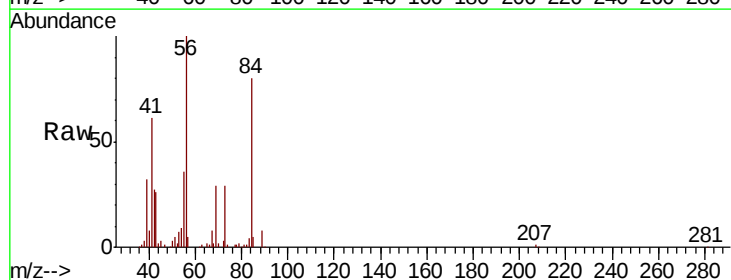
Tgt Ion: 56 Resp: 153886

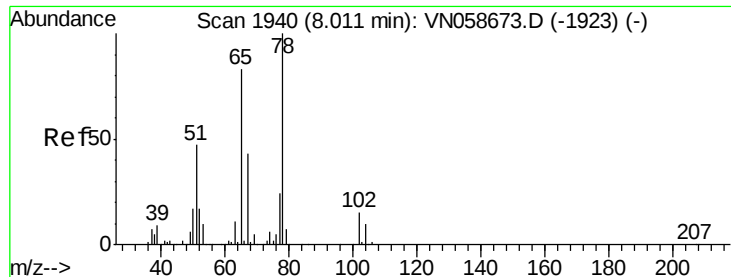
Ion Ratio Lower Upper

56 100

89 8.2 6.2 9.2

84 81.1 65.6 98.4





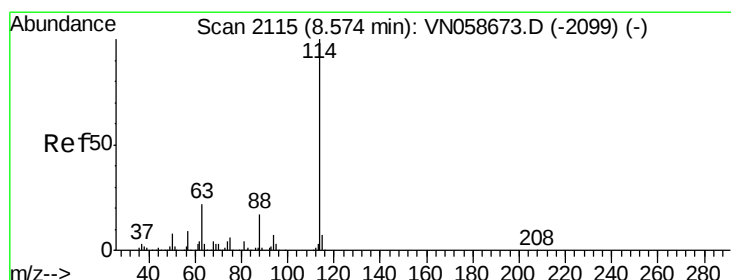
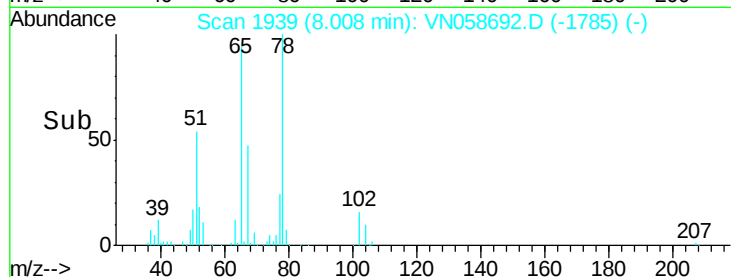
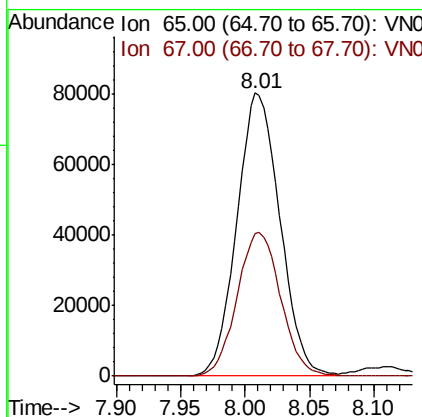
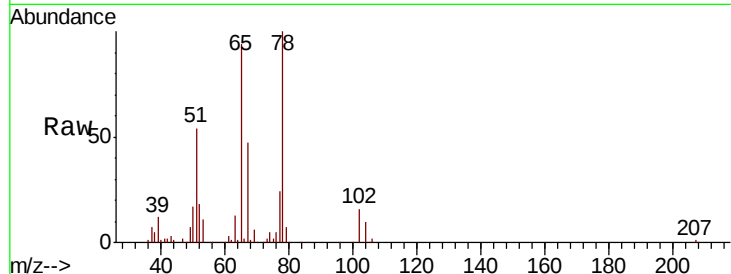
#27
 1,2-Dichloroethane-d4
 Concen: 31.010 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 187273
 Ion Ratio Lower Upper
 65 100
 67 51.4 41.5 62.3

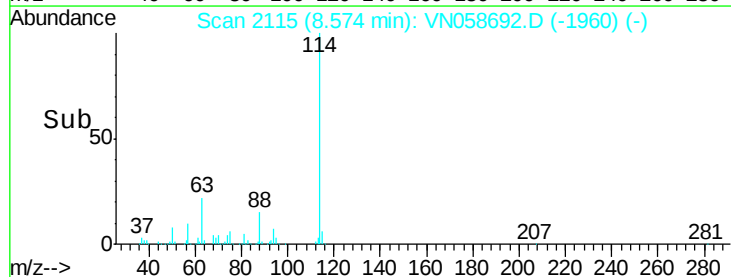
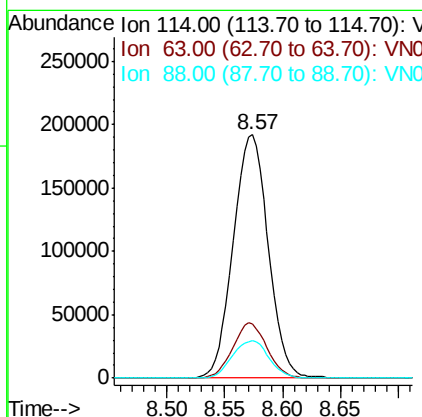
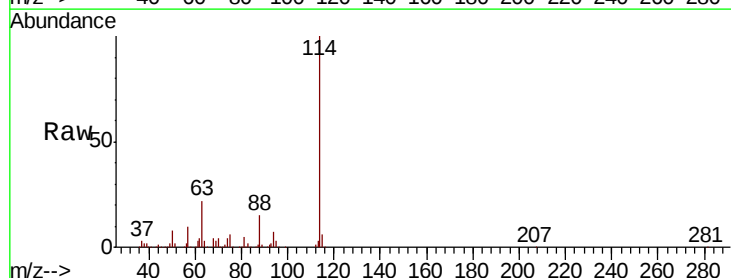
Manual Integrations
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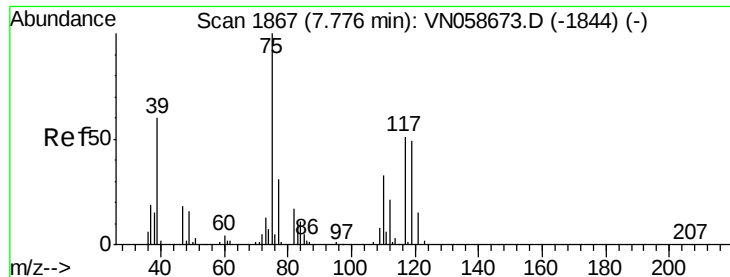
MMDadoda
 10/14/2019 4:59:34 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion: 114 Resp: 402209
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.1 27.1
 88 16.1 13.0 19.4





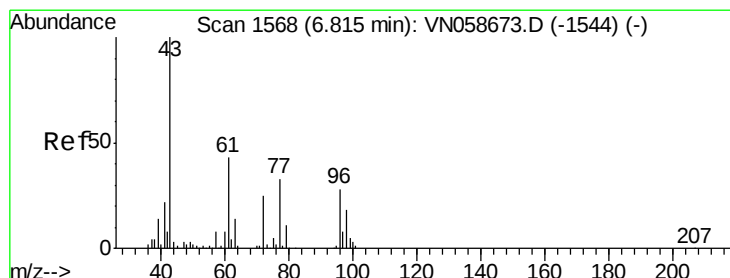
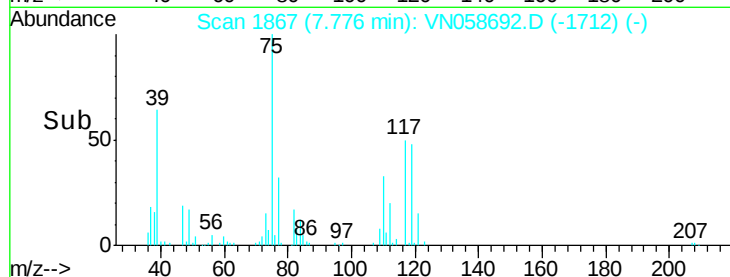
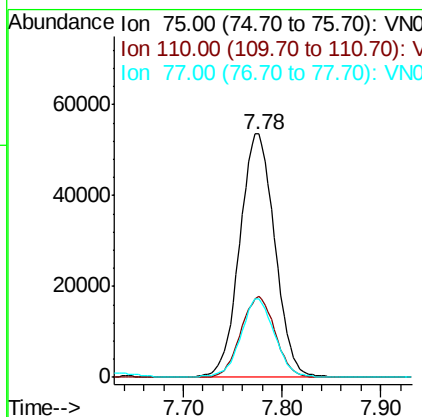
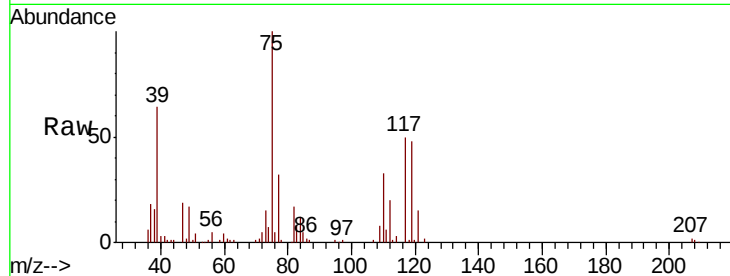
#29
 1,1-Dichloropropene
 Concen: 20.828 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.6	0.0	64.6
77	31.2	0.0	60.8

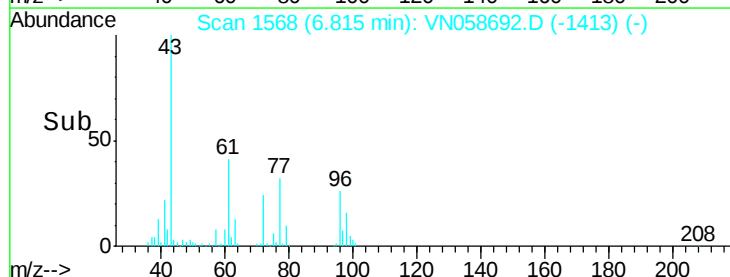
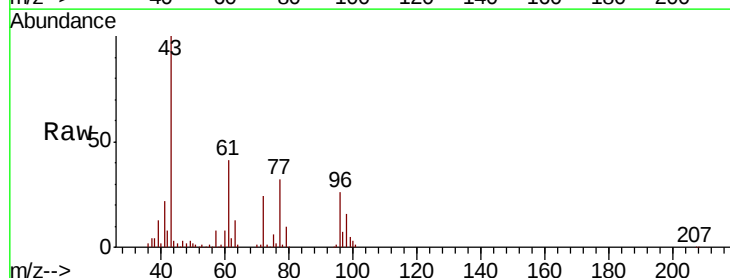
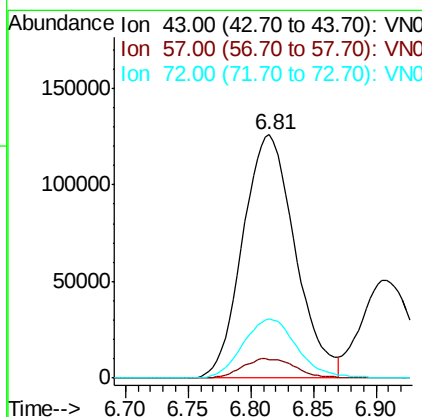
Manual Integrations
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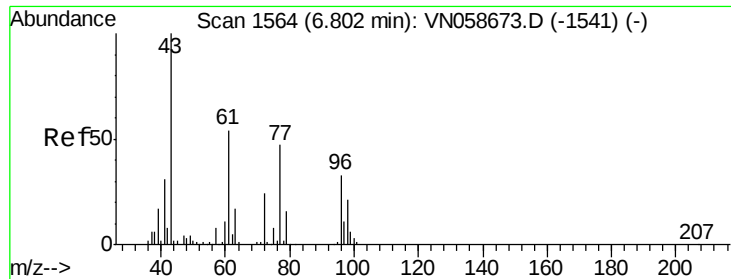
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#30
 2-Butanone
 Concen: 101.984 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.1	20.1	30.1





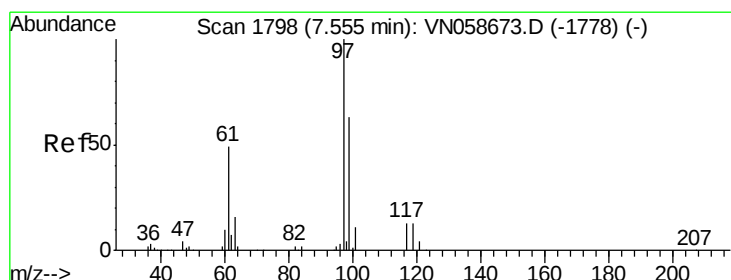
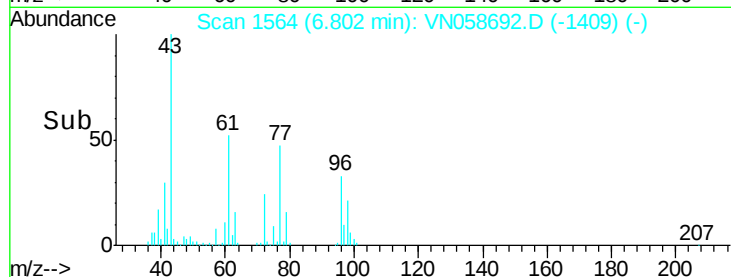
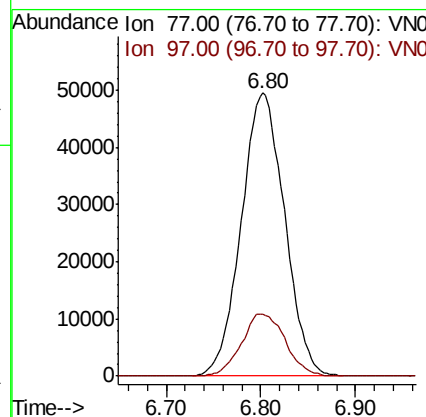
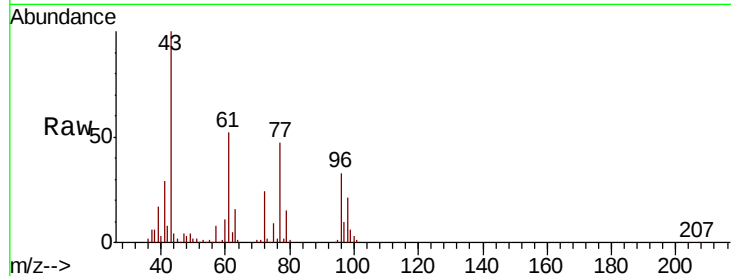
#31
 2,2-Dichloropropane
 Concen: 21.130 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.1	17.9	26.9

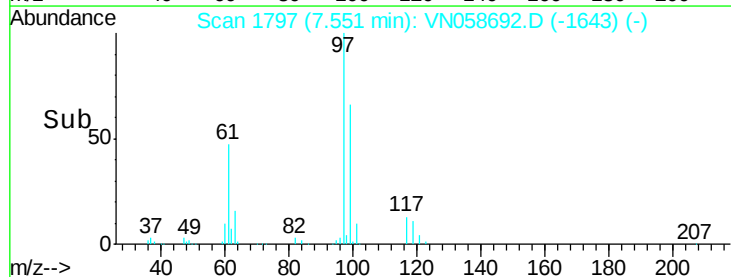
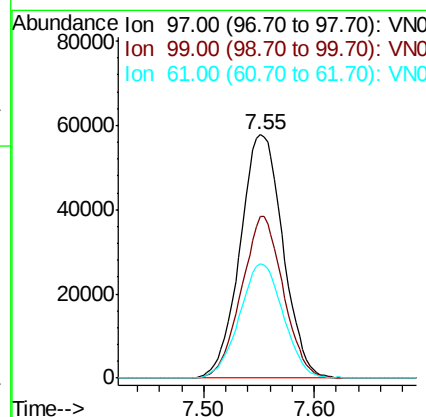
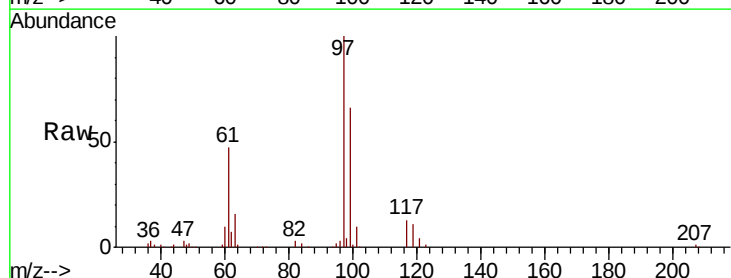
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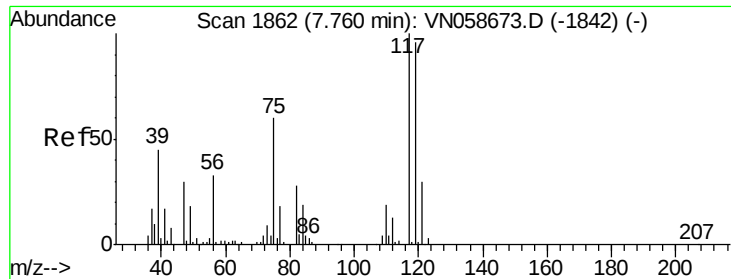
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#32
 1,1,1-Trichloroethane
 Concen: 21.248 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	48.0	38.4	57.6





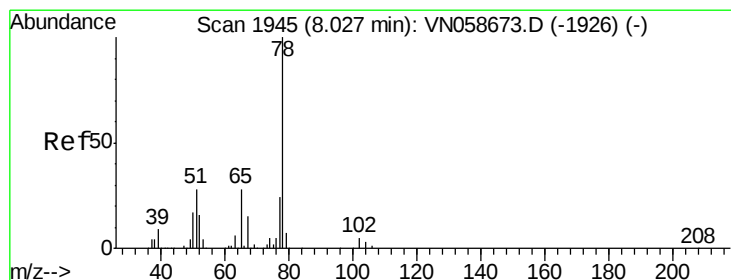
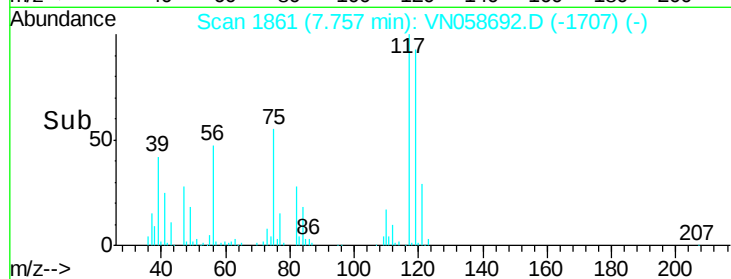
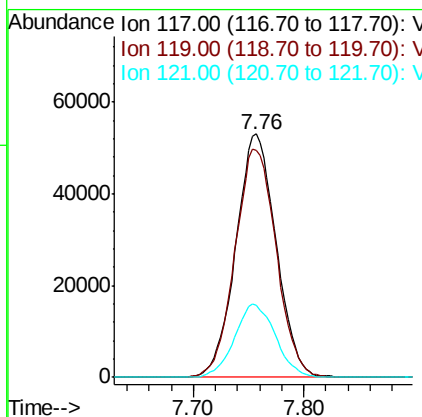
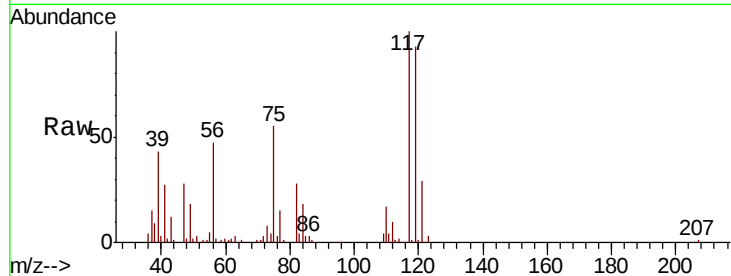
#33
Carbon Tetrachloride
Concen: 21.152 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.9	115.3
121	29.4	23.8	35.8

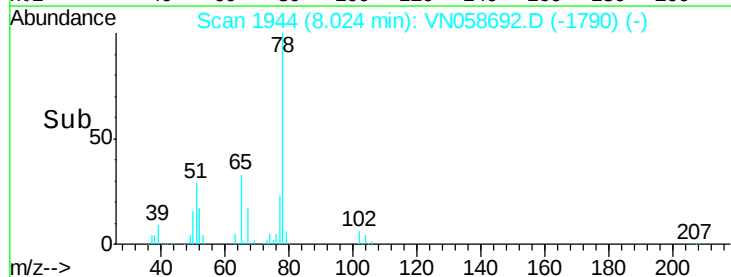
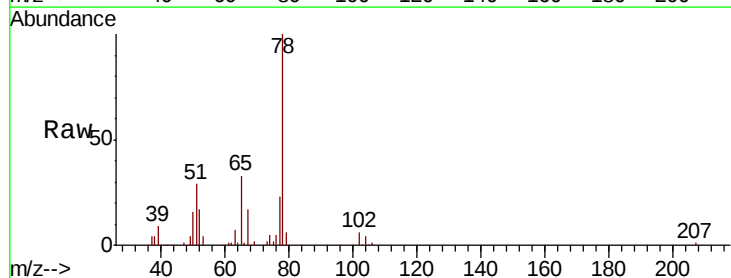
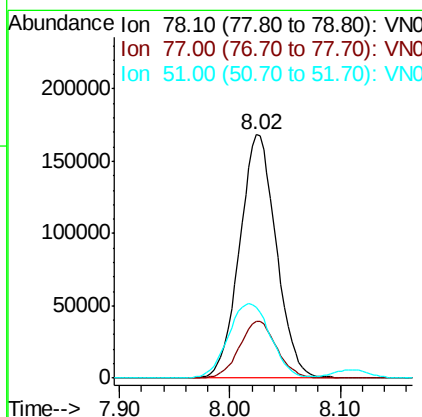
Manual Integrations
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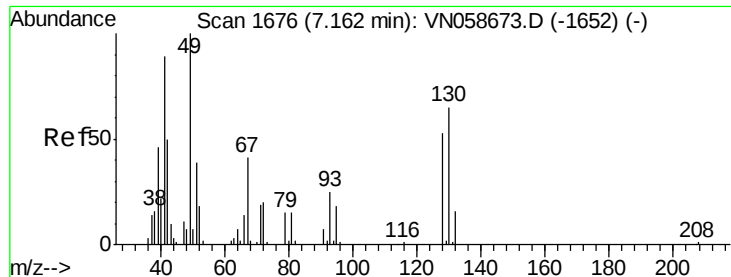
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#34
Benzene
Concen: 20.734 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8
51	28.8	22.1	33.1





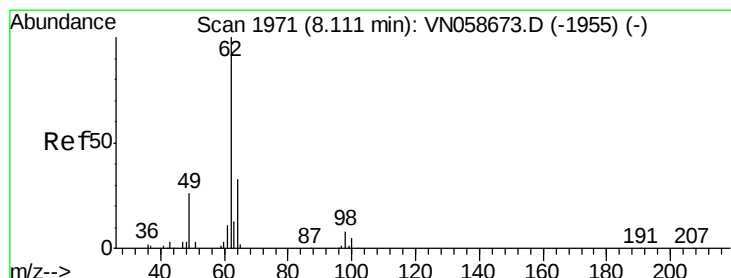
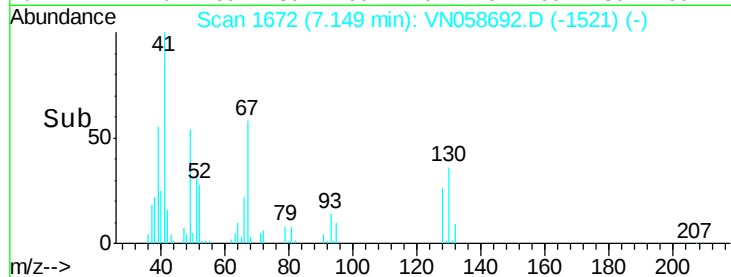
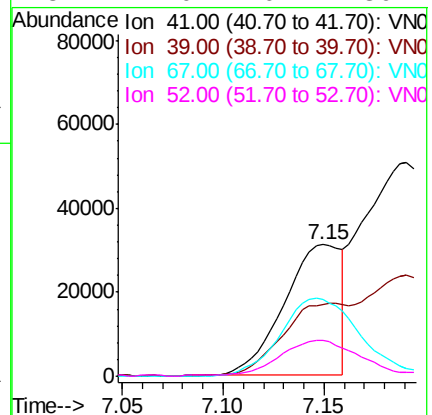
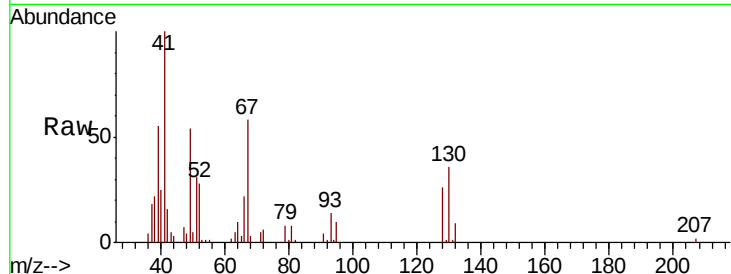
#35
Methacrylonitrile
Concen: 19.494 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	25.8	77.4
67	58.4	23.0	69.0
52	27.0	10.1	30.1

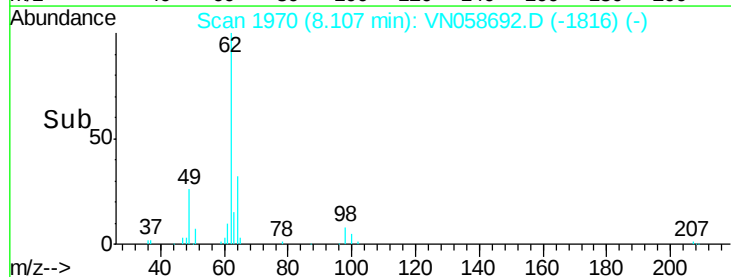
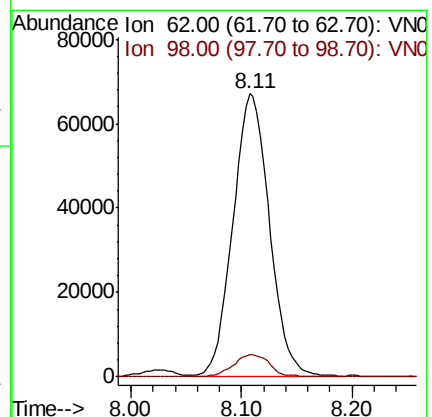
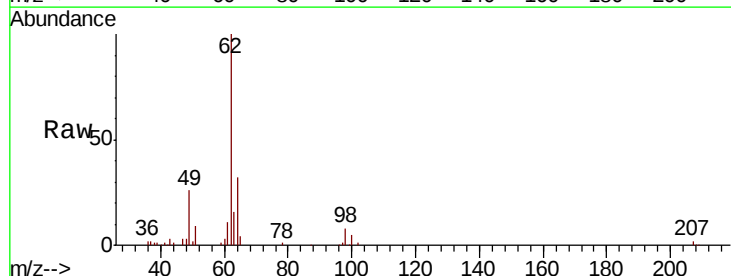
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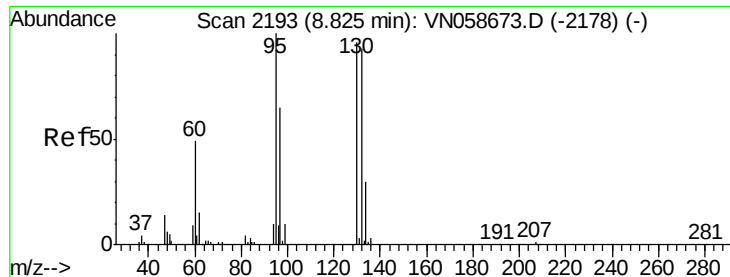
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#36
1,2-Dichloroethane
Concen: 21.475 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.4	9.6





#37

Trichloroethene

Concen: 21.209 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 97122

Ion Ratio Lower Upper

130 100

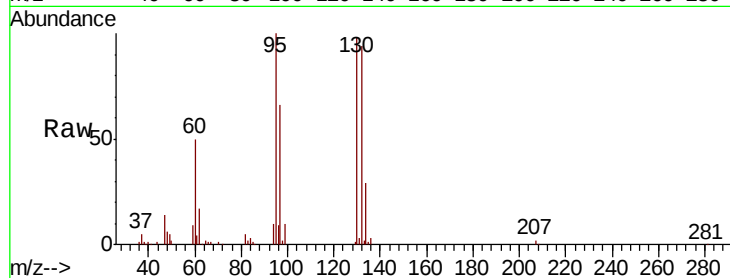
95 101.8 83.2 124.8

Manual Integrations

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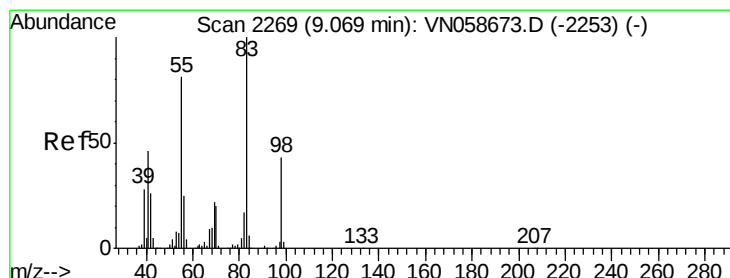
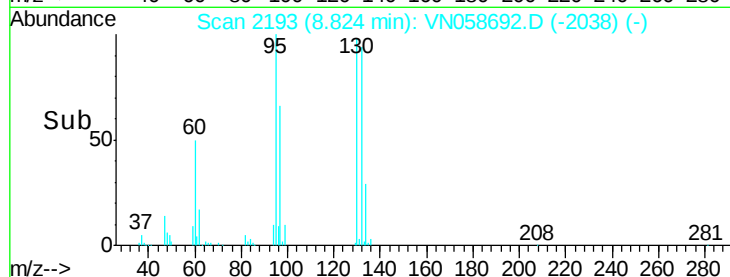
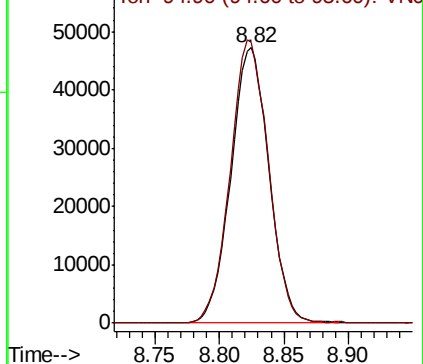
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 20.191 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

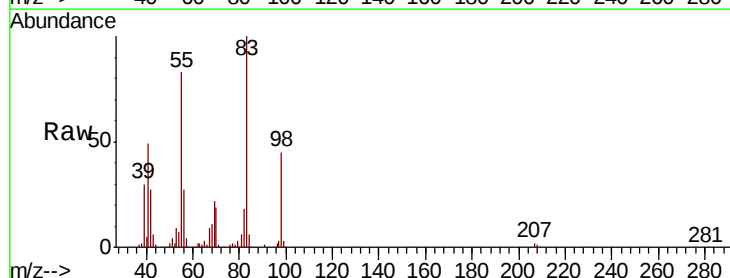
Tgt Ion: 83 Resp: 148217

Ion Ratio Lower Upper

83 100

55 82.2 40.4 121.1

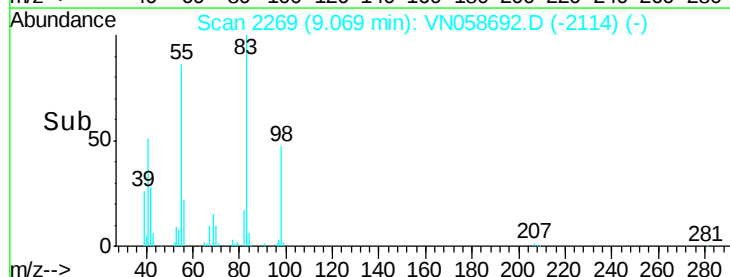
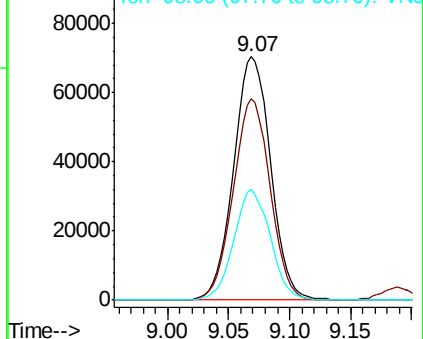
98 44.6 21.6 65.0



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





#39

1,2-Dichloropropane

Concen: 21.028 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 107114

Ion Ratio Lower Upper

63 100

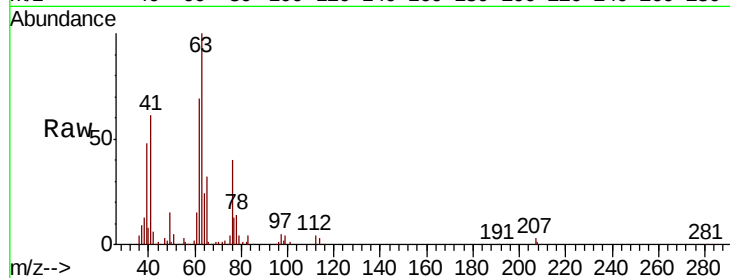
65 32.1 23.8 35.6

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN058692.D (-2126) (-)

Ion 65.00 (64.70 to 65.70): VN058692.D (-2126) (-)

60000

50000

40000

30000

20000

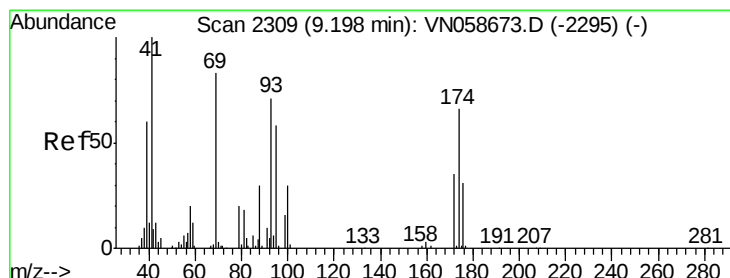
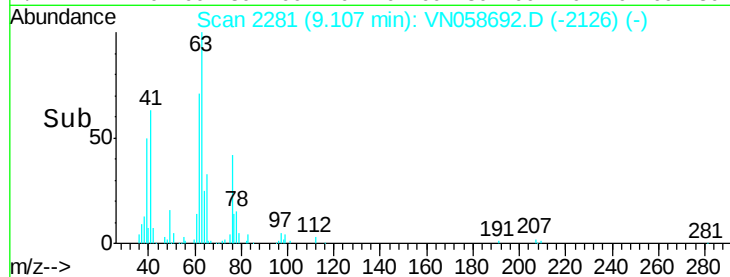
10000

0

9.11

9.00 9.05 9.10 9.15 9.20

Time-->



#40

Dibromomethane

Concen: 20.696 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

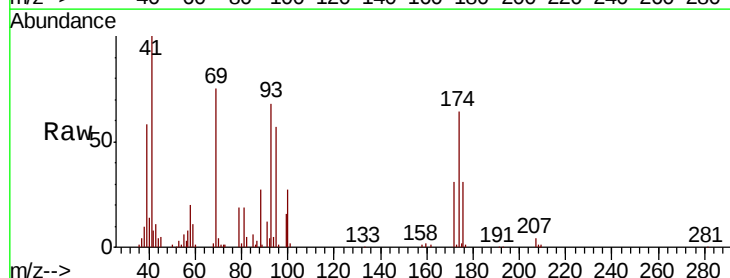
Tgt Ion: 93 Resp: 66553

Ion Ratio Lower Upper

93 100

95 85.3 0.0 167.6

174 96.8 0.0 187.2



Abundance Ion 93.00 (92.70 to 93.70): VN058692.D (-2154) (-)

Ion 95.00 (94.70 to 95.70): VN058692.D (-2154) (-)

Ion 174.00 (173.70 to 174.70): VN058692.D (-2154) (-)

40000

30000

20000

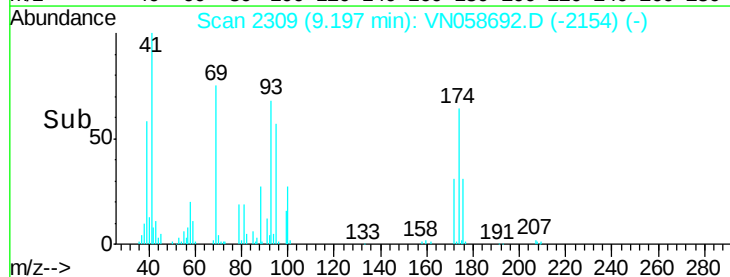
10000

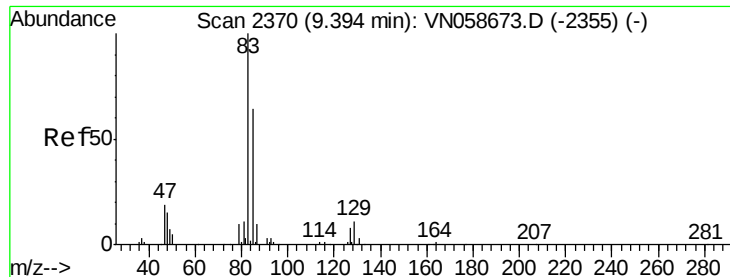
0

9.20

9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 20.750 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

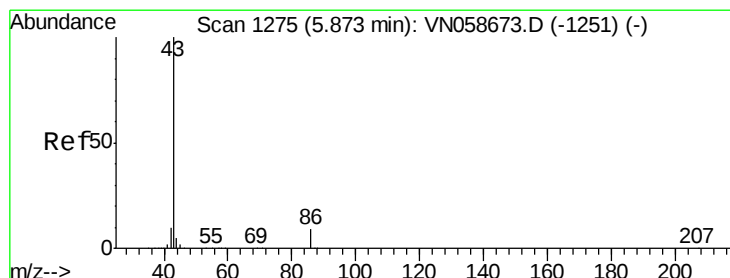
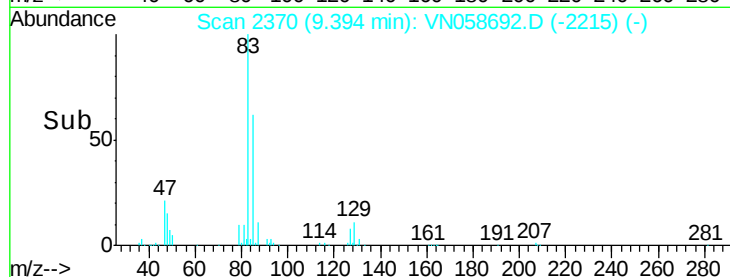
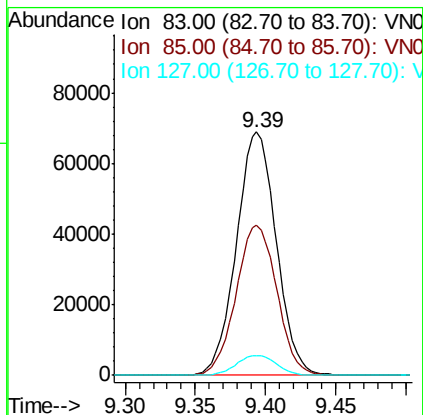
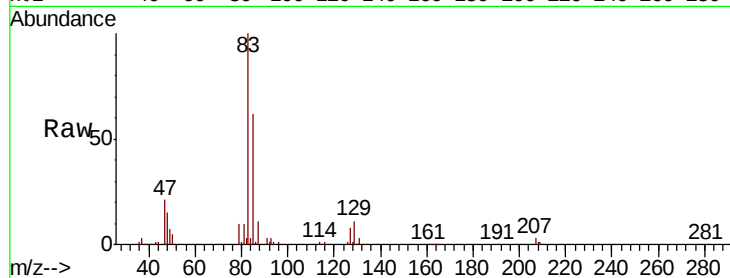
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	136314
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.0	76.4
127	8.1	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 108.286 ug/l

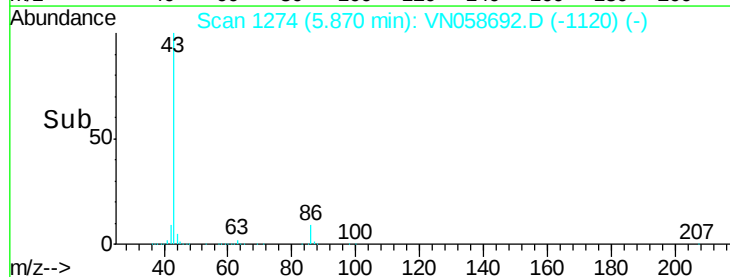
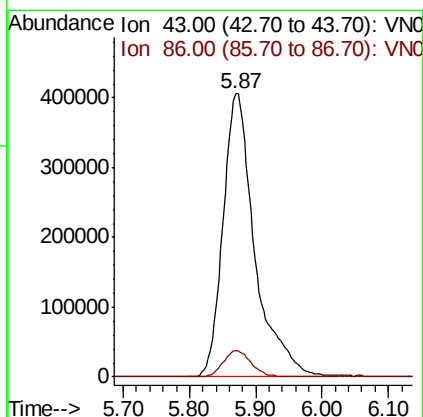
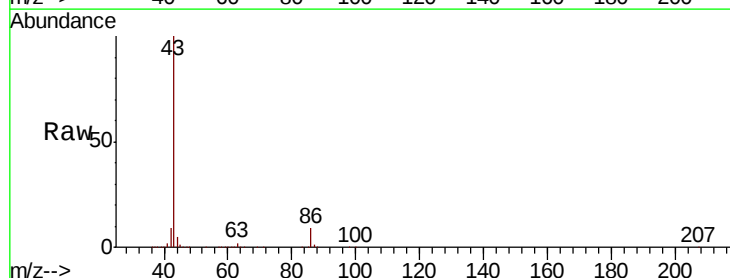
RT: 5.87 min Scan# 1274

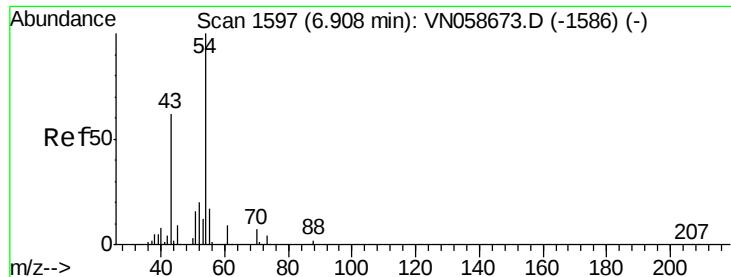
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion:	43	Resp:	1356871
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.5	9.7





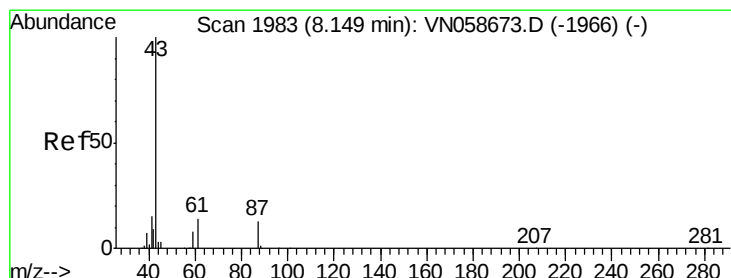
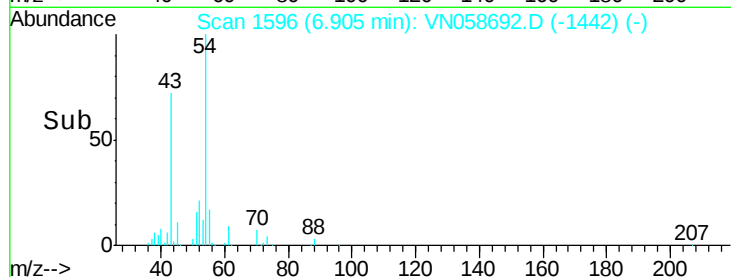
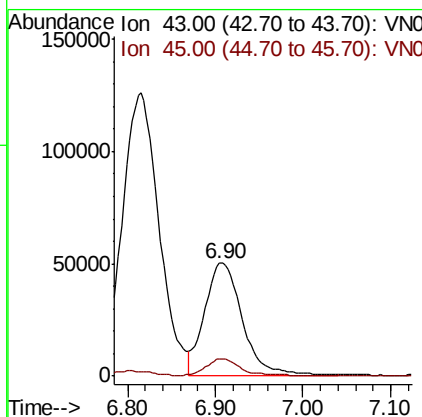
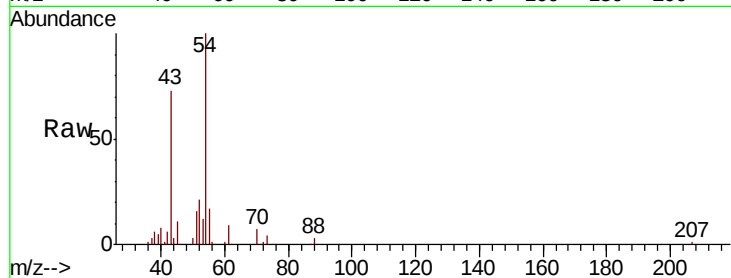
#43
Ethyl Acetate
Concen: 21.195 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	45	Ratio	Lower	Upper
148839	100	12.8		9.7	14.5

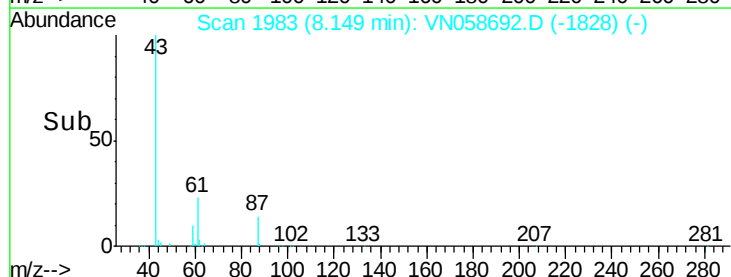
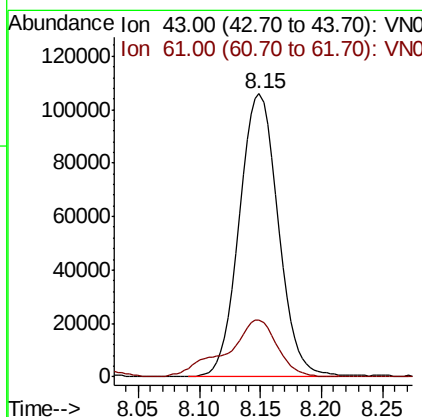
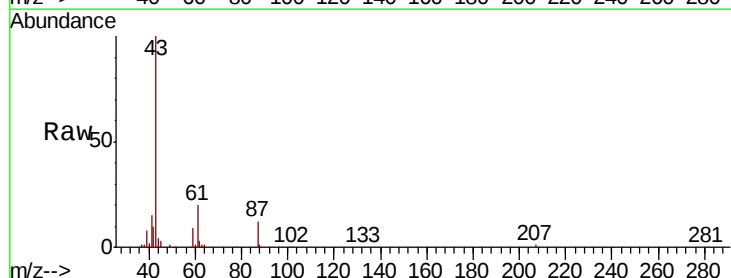
Manual Integrations
APPROVED

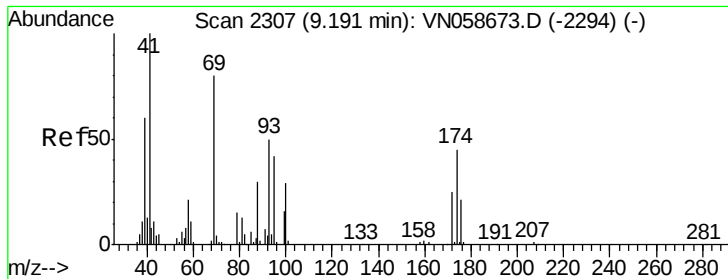
MMDadoda
10/14/2019 4:59:34 PM



#44
Isopropyl Acetate
Concen: 20.437 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	43	61	Ratio	Lower	Upper
232471	100	26.4		19.9	29.9





#45

1,4-Dioxane

Concen: 385.575 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

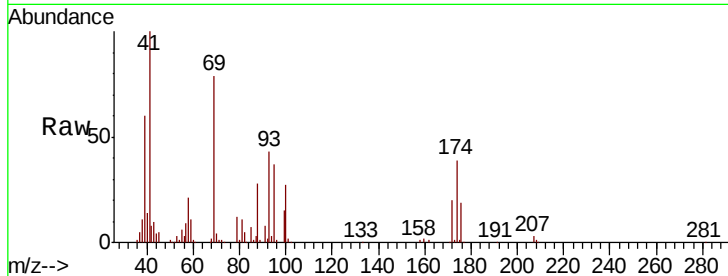
ClientSampleId :

VSTDCCC020EC

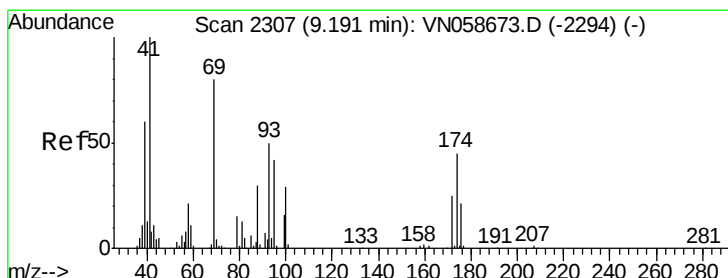
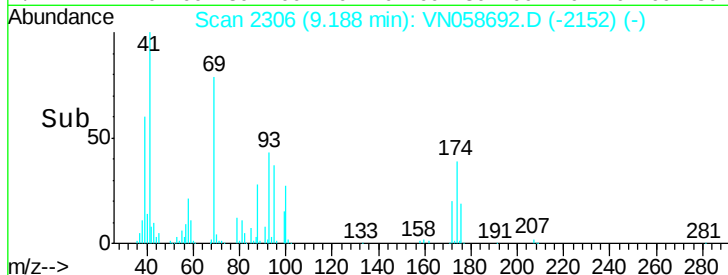
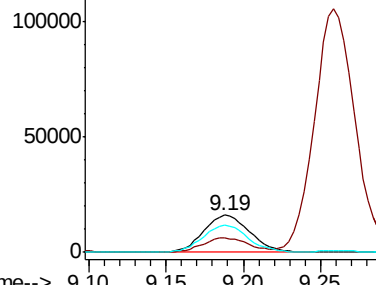
Tot Ion:	88	Resp:	33678
Ion	Ratio	Lower	Upper
88	100		
43	37.6	29.8	44.8
58	72.1	58.2	87.4

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 20.563 ug/l

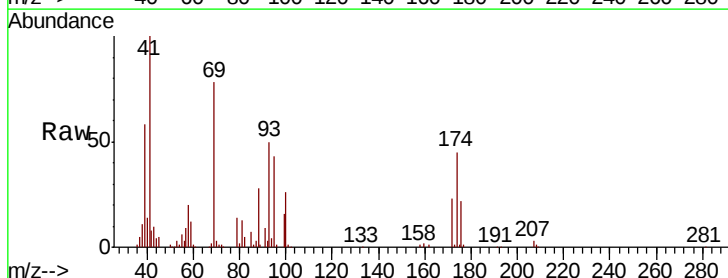
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

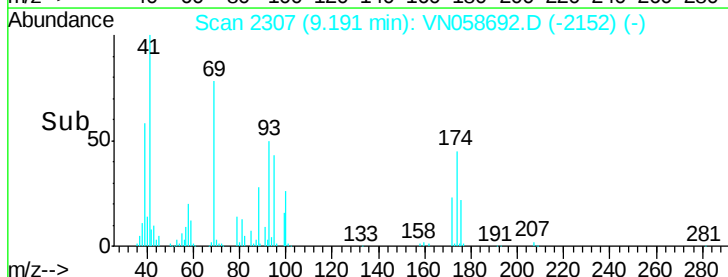
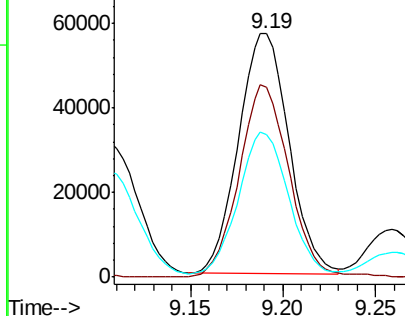
Lab File: VN058692.D

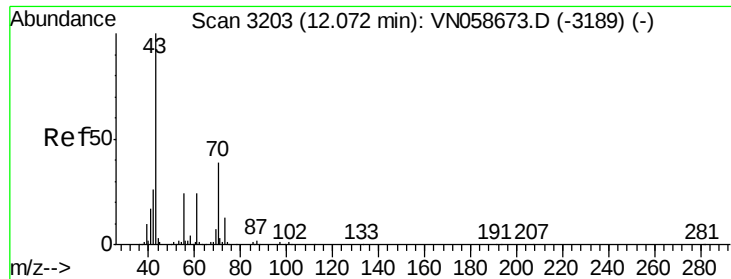
Acq: 11 Oct 2019 10:47

Tgt Ion:	41	Resp:	107381
Ion	Ratio	Lower	Upper
41	100		
69	78.9	40.2	120.5
39	57.9	29.9	89.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





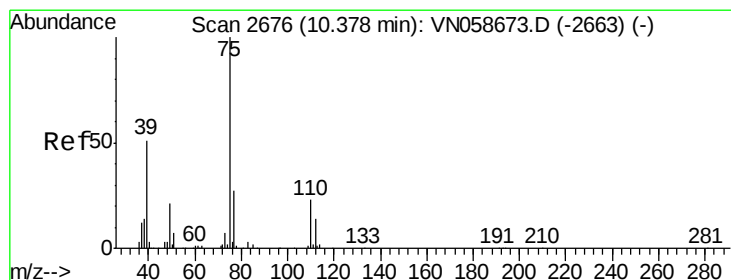
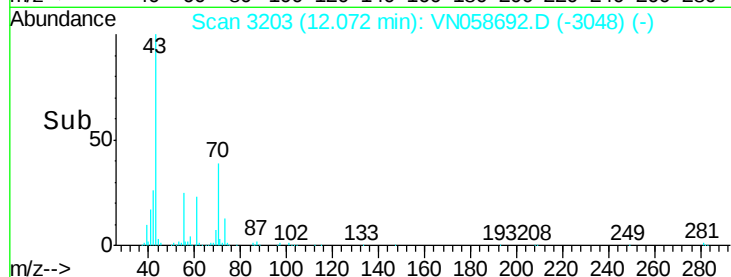
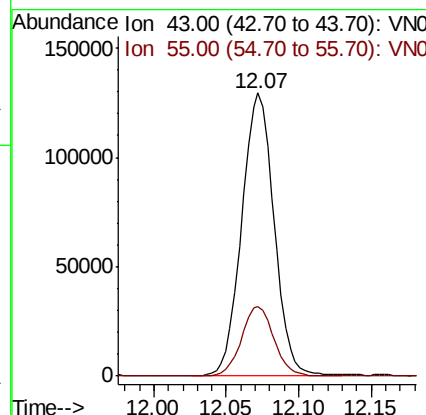
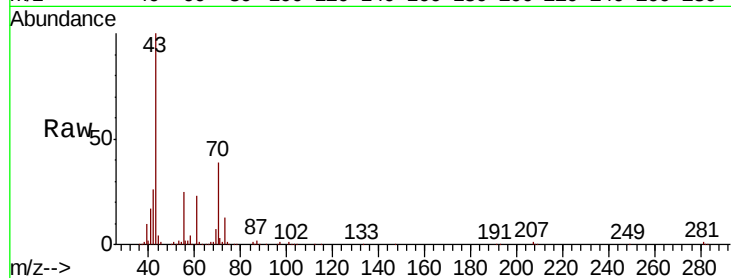
#47
n-amvl Acetate
Concen: 19.858 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
55	24.7	19.6	29.4

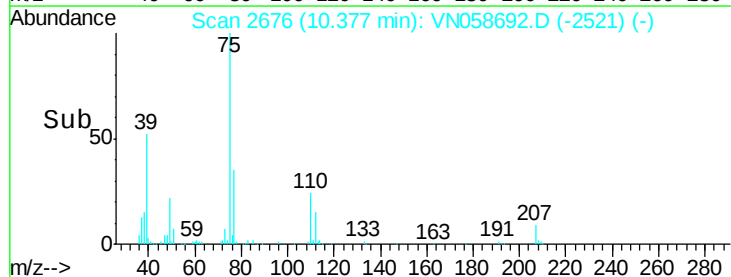
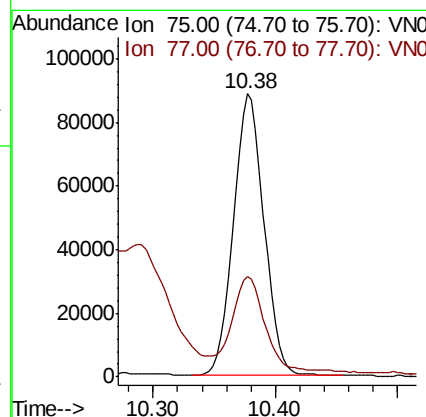
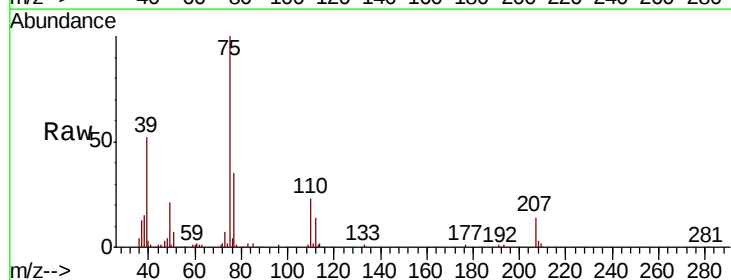
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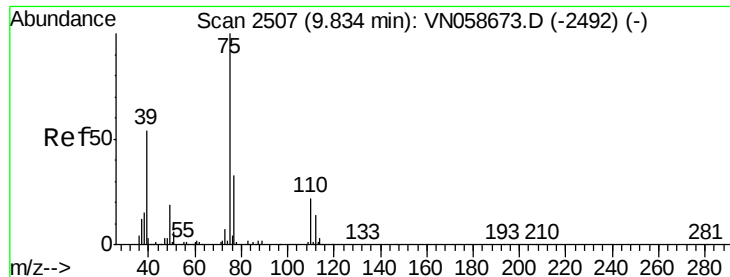
MMDadoda
10/14/2019 4:59:34 PM



#48
t-1,3-Dichloropropene
Concen: 20.266 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	27.0	40.4





#49

cis-1,3-Dichloropropene

Concen: 21.078 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

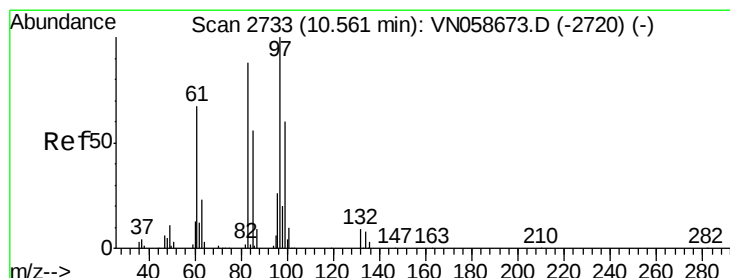
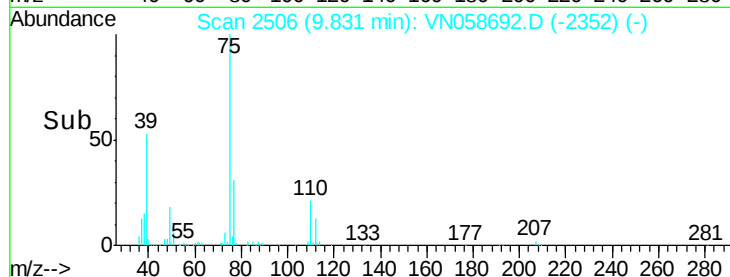
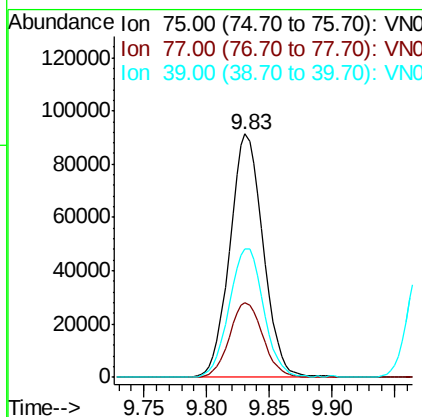
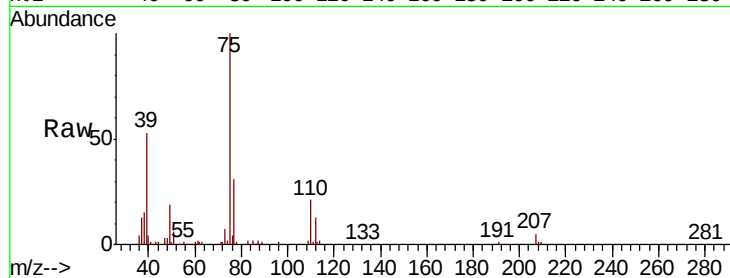
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	168638
Ion Ratio	Lower	Upper	
75	100		
77	30.7	26.1	39.1
39	52.9	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.183 ug/l

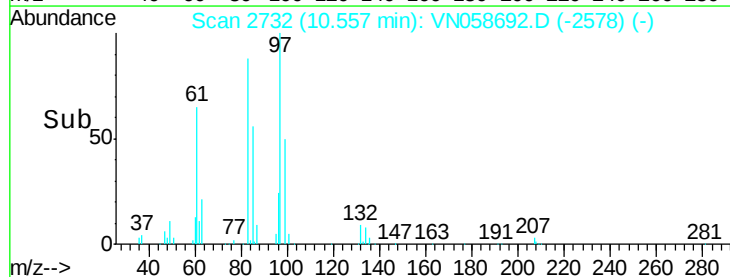
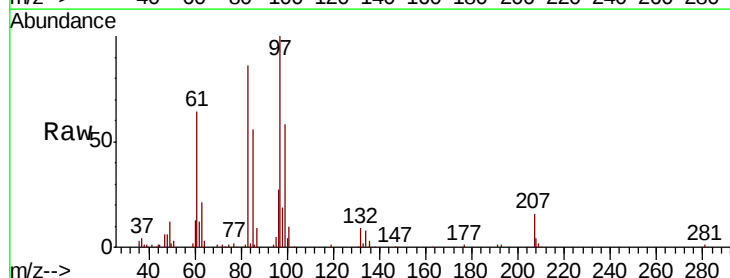
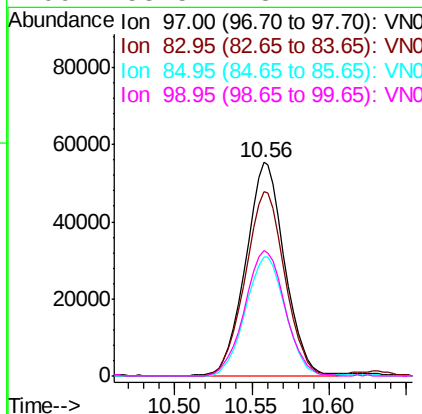
RT: 10.56 min Scan# 2732

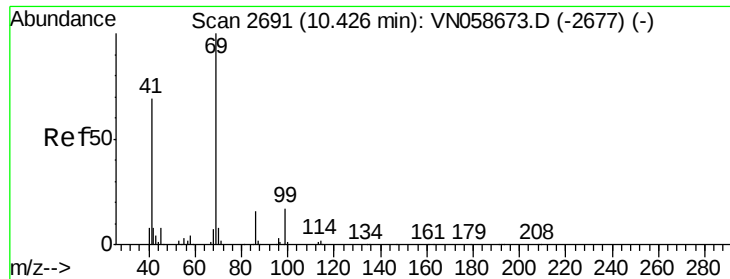
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion:	97	Resp:	97243
Ion Ratio	Lower	Upper	
97	100		
83	86.3	70.7	106.1
85	55.6	45.1	67.7
99	58.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 20.040 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 147103

Ion Ratio Lower Upper

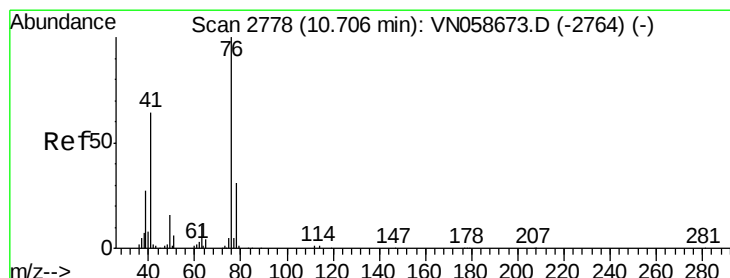
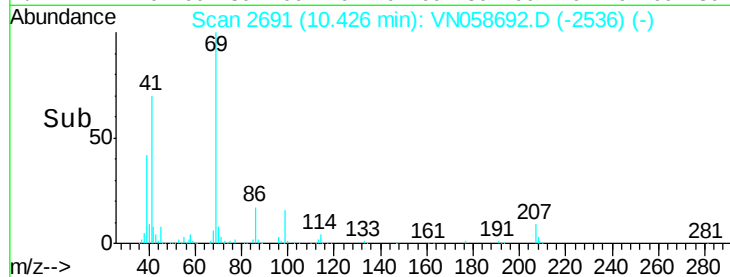
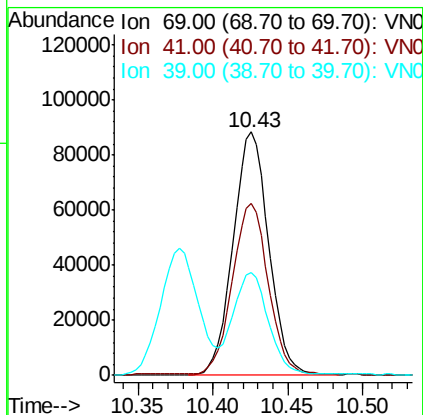
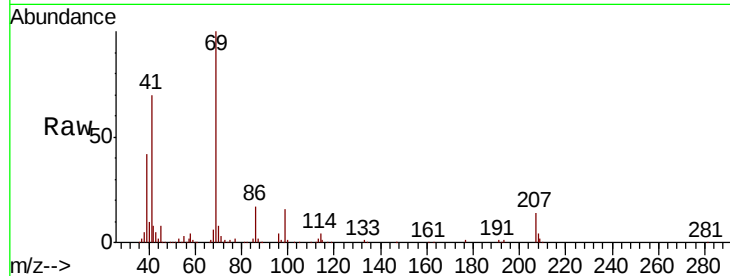
69 100

41 69.9 34.7 104.1

39 41.9 20.3 60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.589 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058692.D

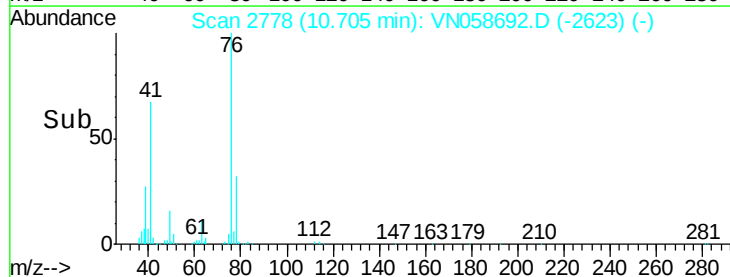
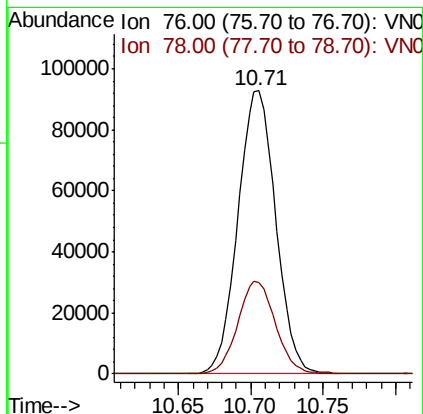
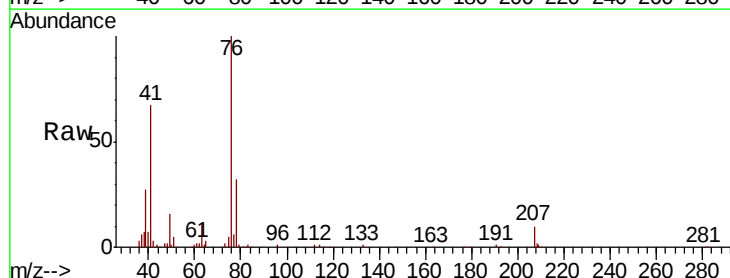
Acq: 11 Oct 2019 10:47

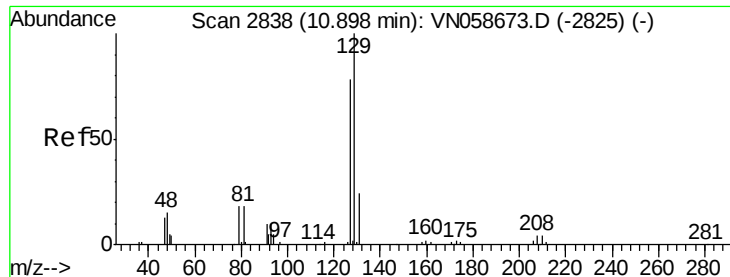
Tgt Ion: 76 Resp: 168318

Ion Ratio Lower Upper

76 100

78 32.5 0.0 63.2





#53

Dibromochloromethane

Concen: 20.759 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 102272

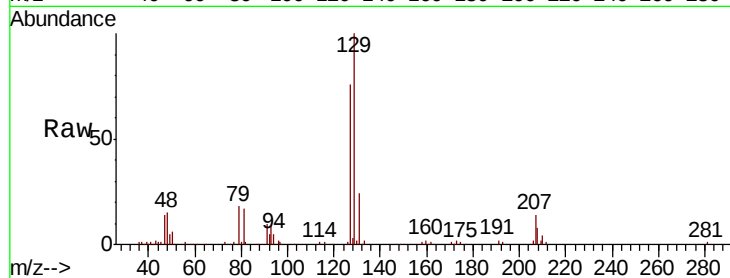
Ion Ratio Lower Upper

129 100

127 76.3 39.1 117.5

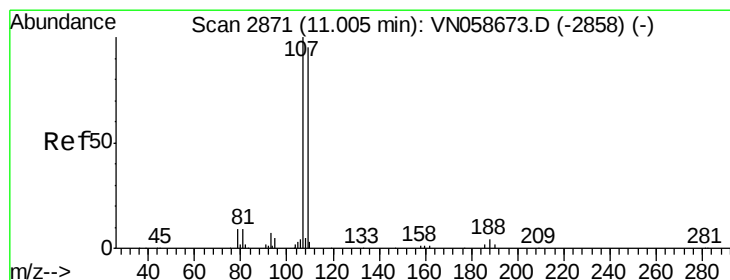
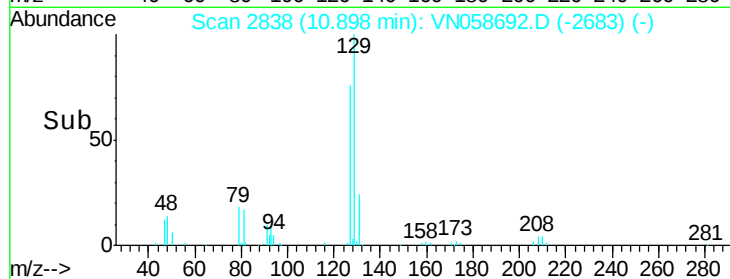
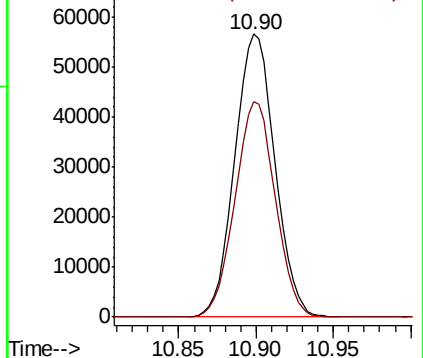
Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.499 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058692.D

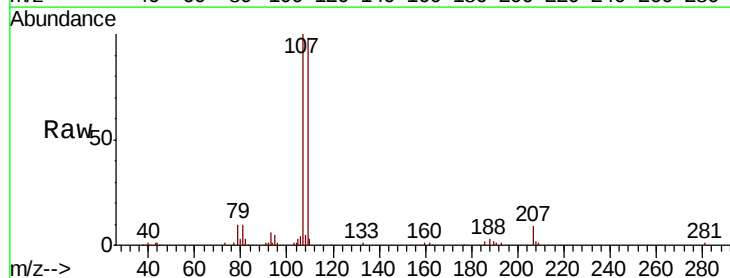
Acq: 11 Oct 2019 10:47

Tgt Ion:107 Resp: 97539

Ion Ratio Lower Upper

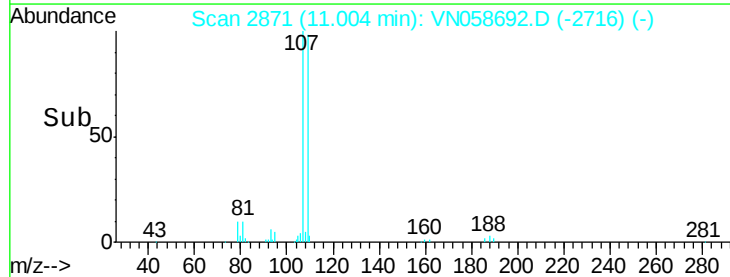
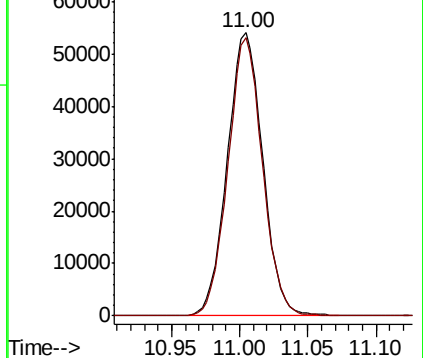
107 100

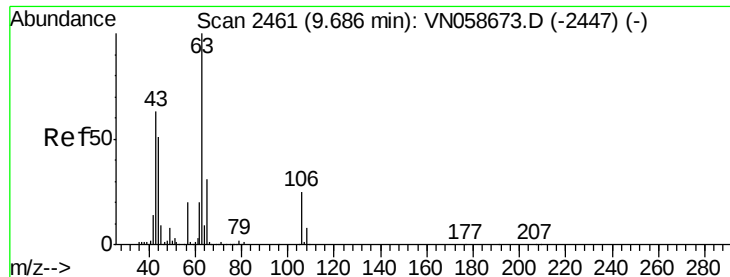
109 95.5 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





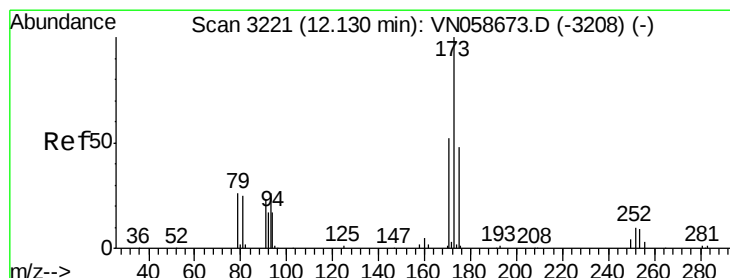
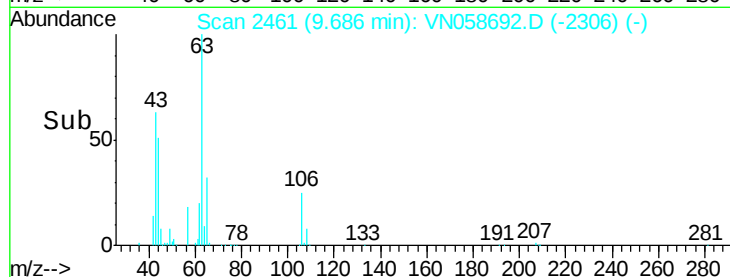
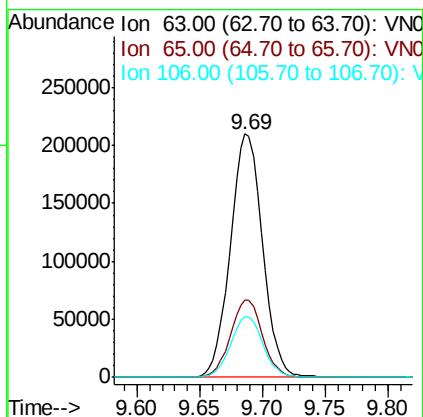
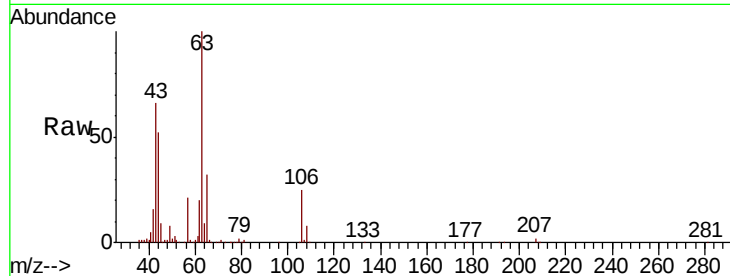
#55
2-Chloroethyl vinyl ether
Concen: 102.855 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9
106	25.1	19.8	29.6

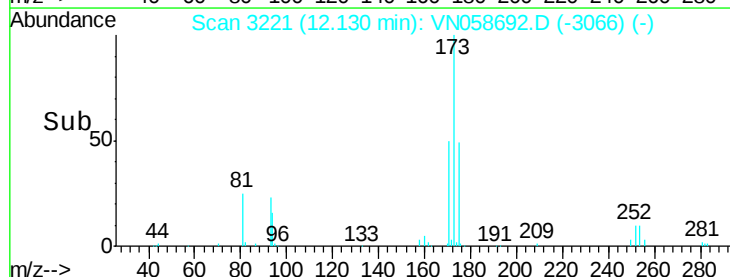
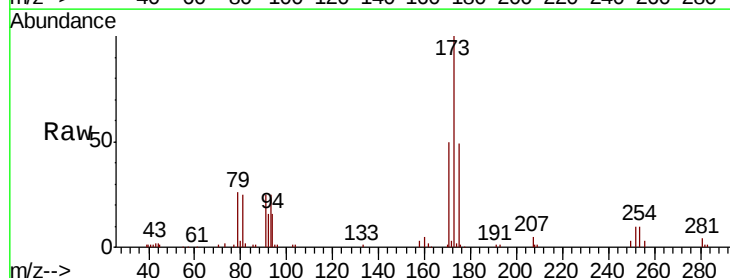
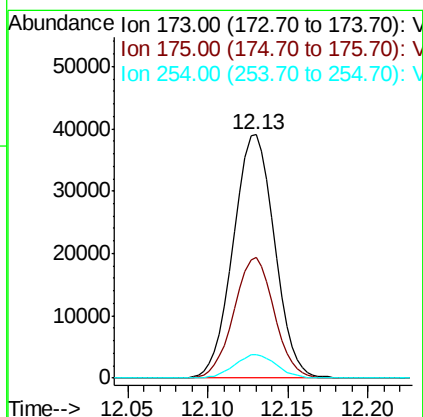
Manual Integrations
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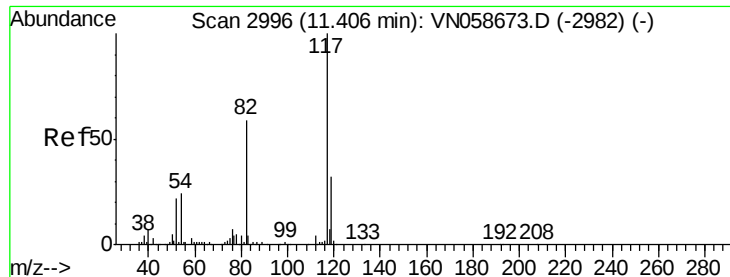
MMDadoda
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#56
Bromoform
Concen: 20.087 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	9.8	7.4	11.2





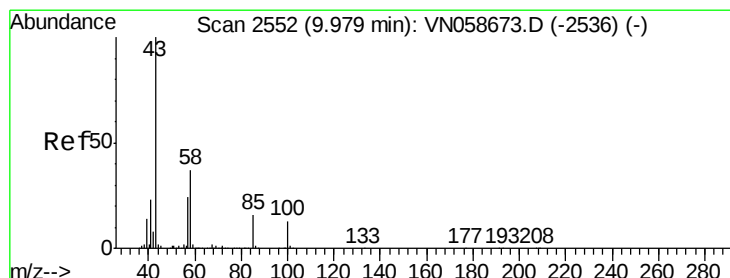
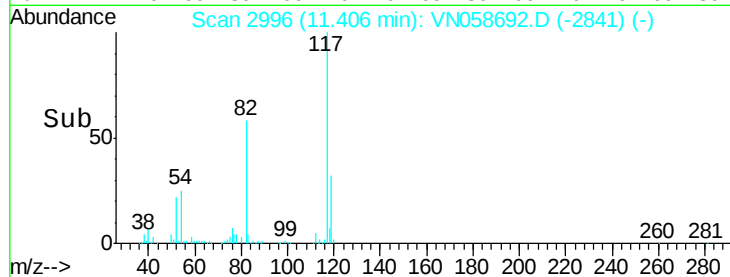
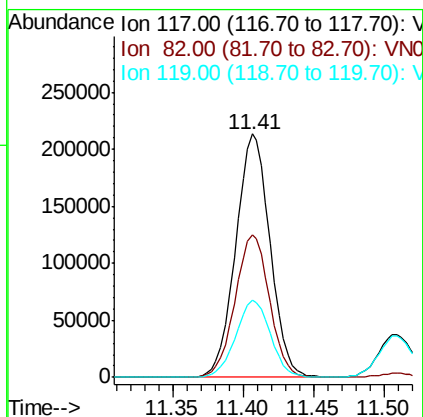
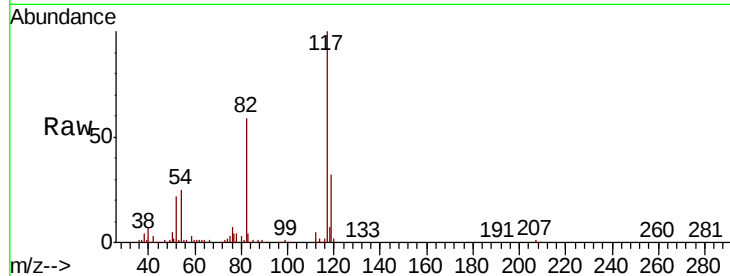
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.9	70.3
119	32.1	25.8	38.6

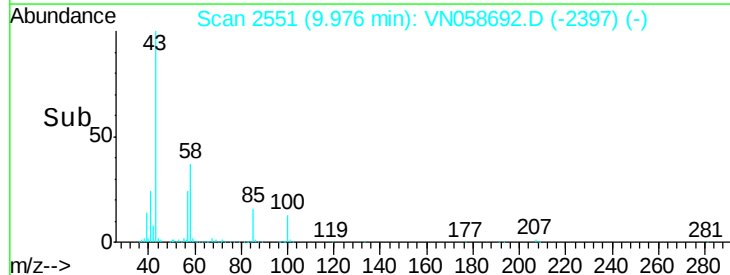
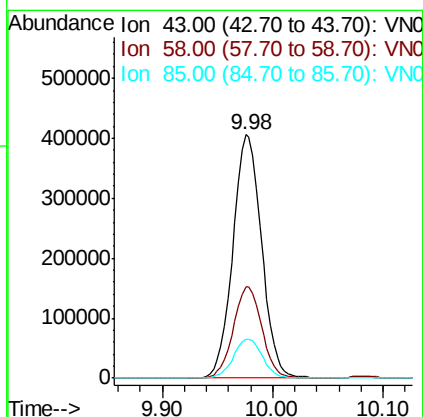
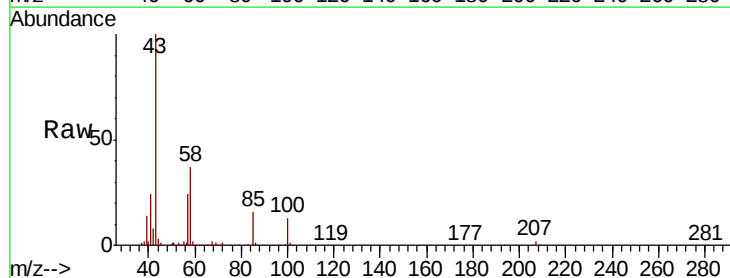
Manual Integrations
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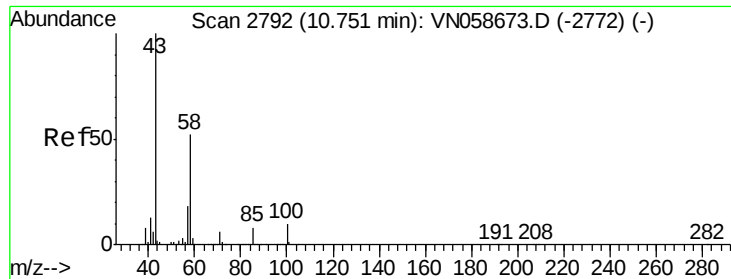
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 110.085 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.1	45.1
85	16.2	13.2	19.8





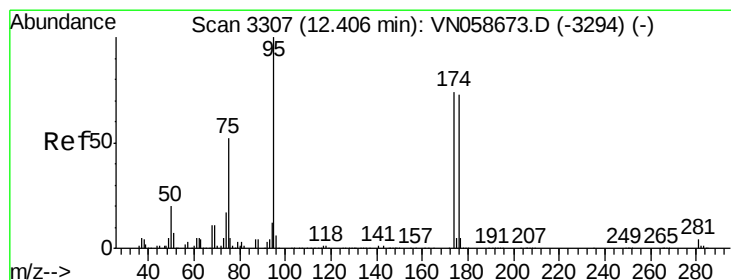
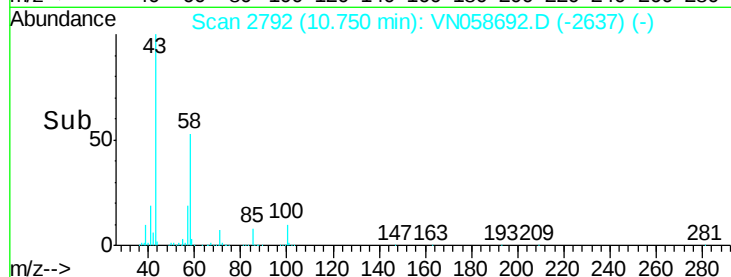
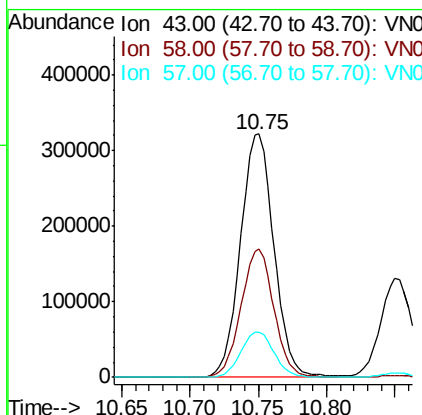
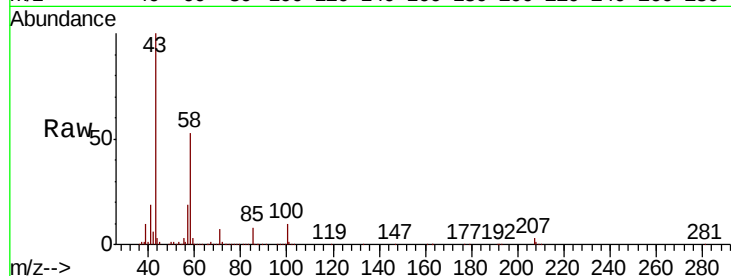
#59
2-Hexanone
Concen: 105.116 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.4	62.0
57	18.6	14.7	22.1

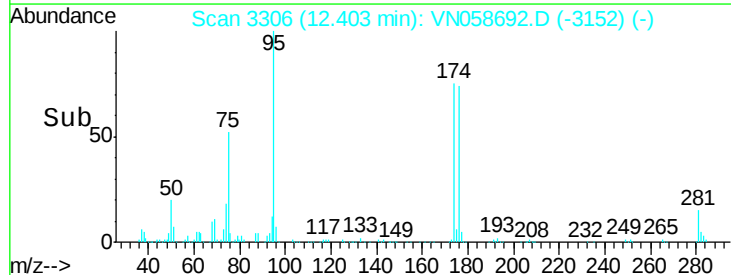
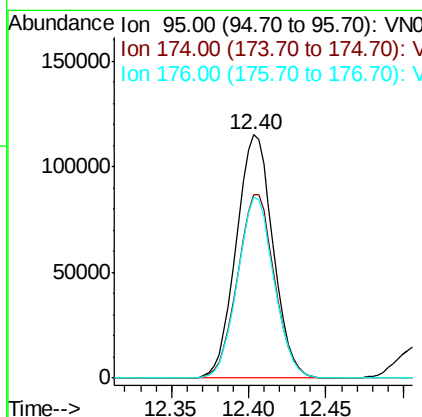
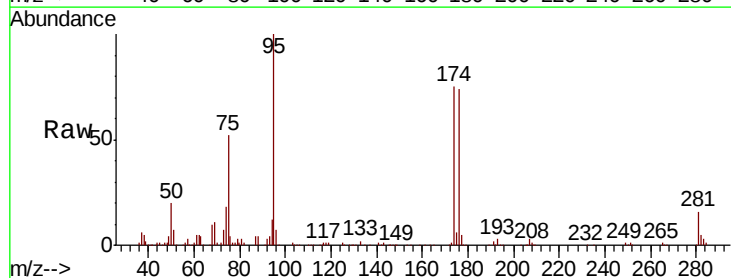
Manual Integrations
APPROVED

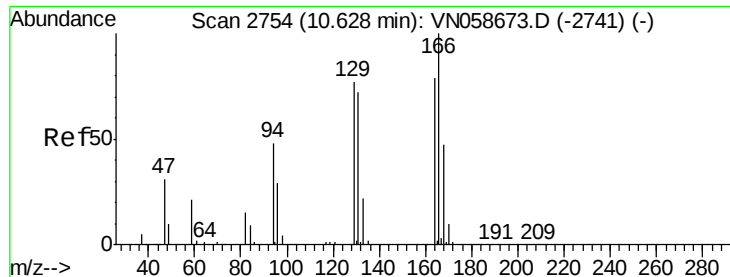
MMDadoda
10/14/2019 4:59:34 PM



#60
4-Bromofluorobenzene
Concen: 29.879 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	59.9	89.9
176	73.7	58.3	87.5





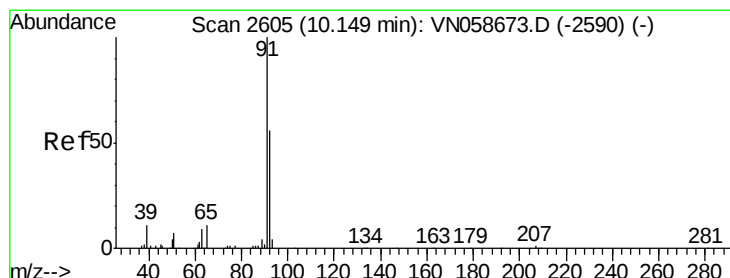
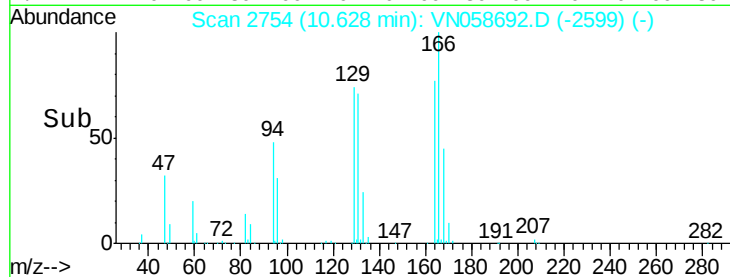
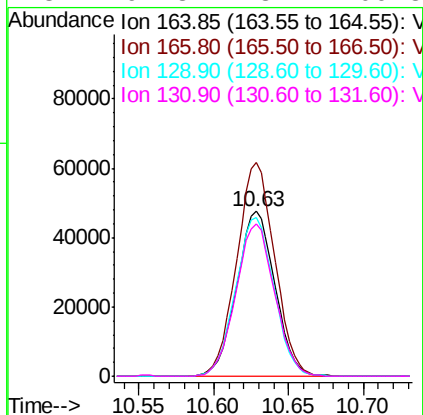
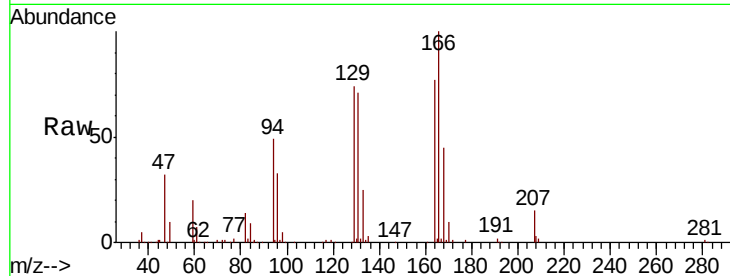
#61
Tetrachloroethene
Concen: 21.520 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.4	152.2
129	96.1	78.1	117.1
131	92.3	73.2	109.8

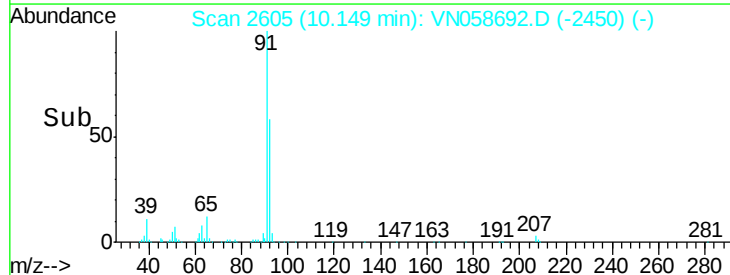
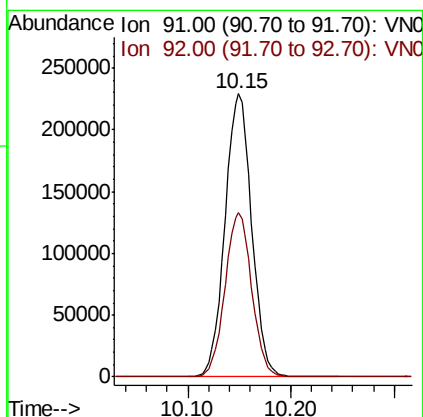
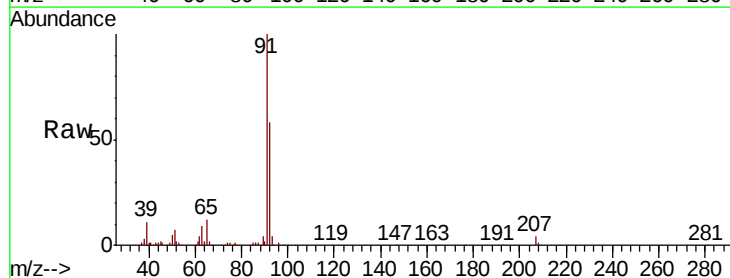
Manual Integrations
APPROVED

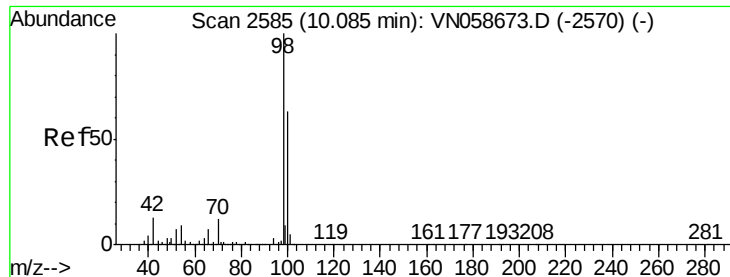
MMDadoda
10/14/2019 4:59:34 PM



#62
Toluene
Concen: 21.088 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.4	68.2





#63

Toluene-d8

Concen: 30.291 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 520778

Ion Ratio Lower Upper

98 100

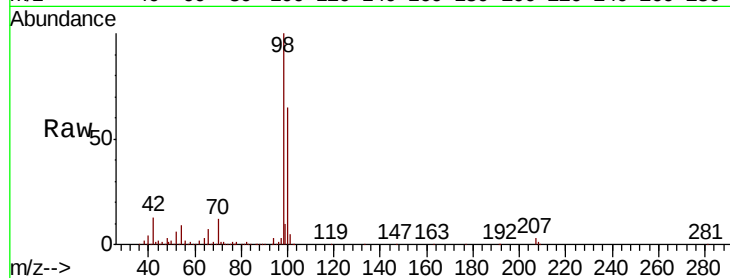
100 64.3 50.6 75.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058673.D (-2570) (-)

10.08

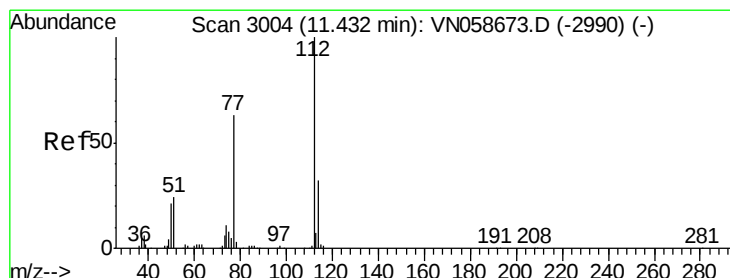
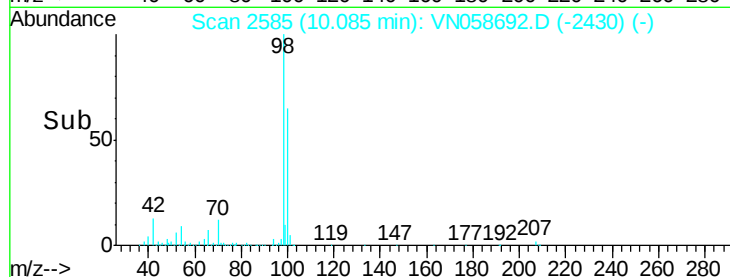
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.916 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058692.D

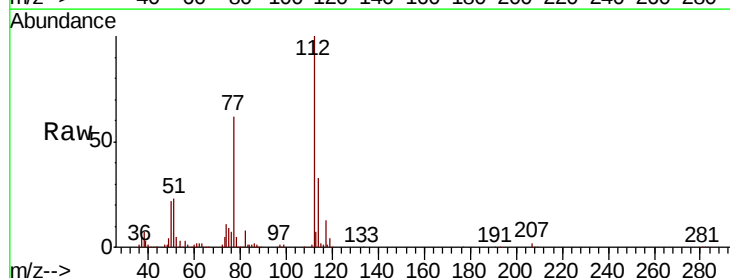
Acq: 11 Oct 2019 10:47

Tgt Ion: 112 Resp: 250468

Ion Ratio Lower Upper

112 100

114 32.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058673.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN058673.D (-2990) (-)

11.43

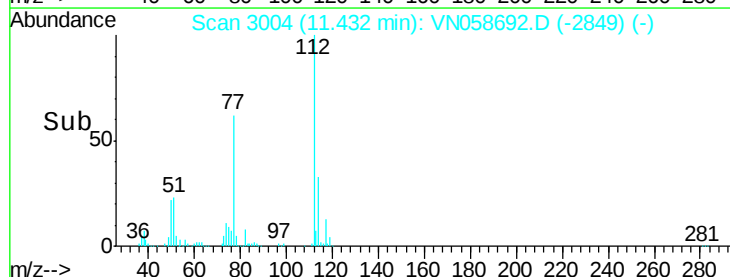
150000

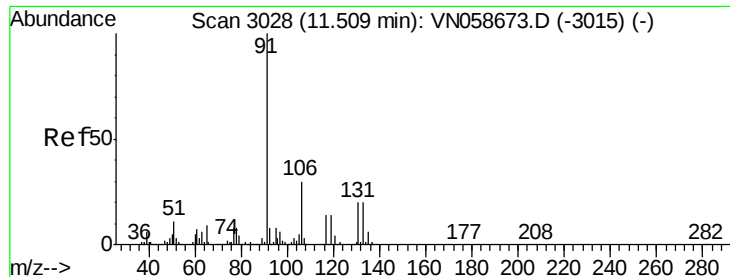
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.034 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

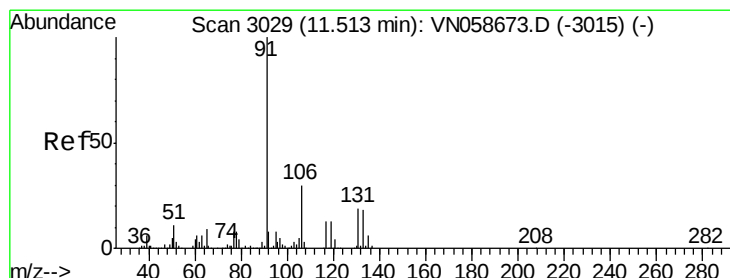
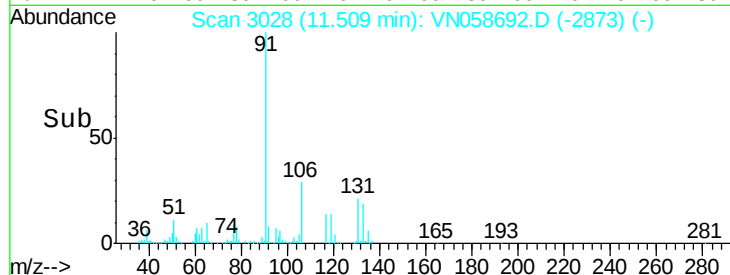
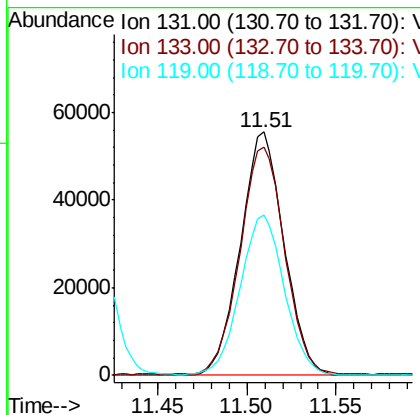
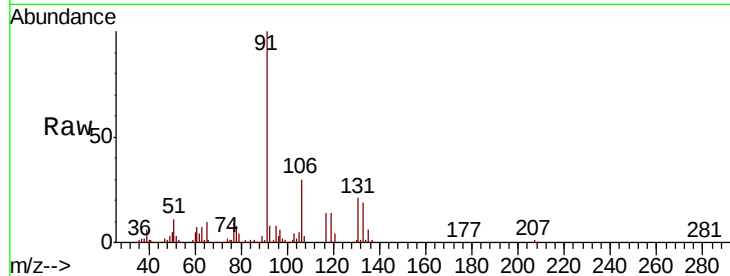
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	0.0	194.0
119	67.4	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.861 ug/l

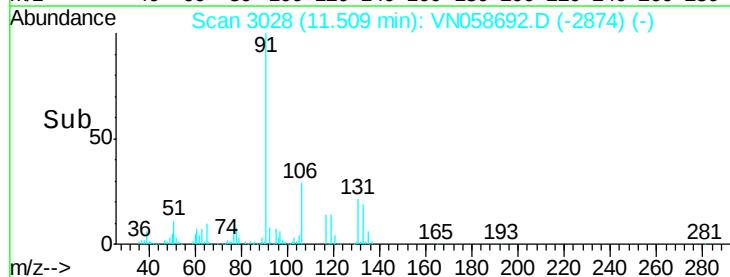
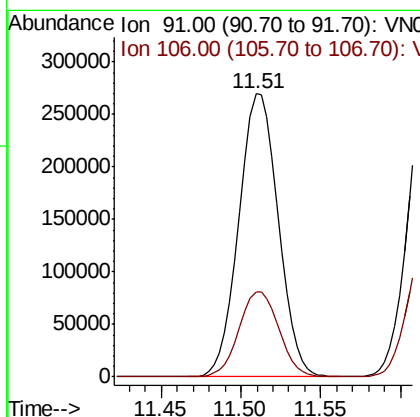
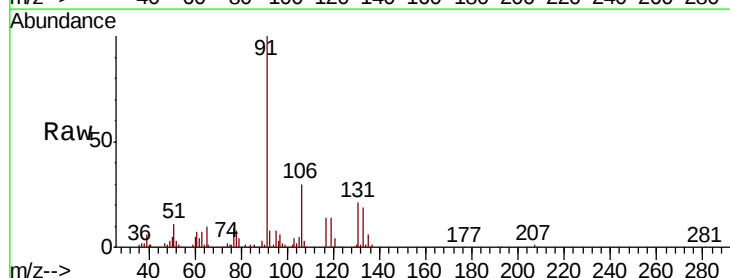
RT: 11.51 min Scan# 3028

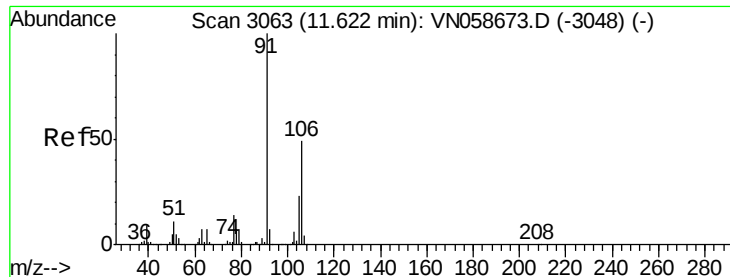
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4





#67

m/p-Xylenes

Concen: 41.753 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 338310

Ion Ratio Lower Upper

106 100

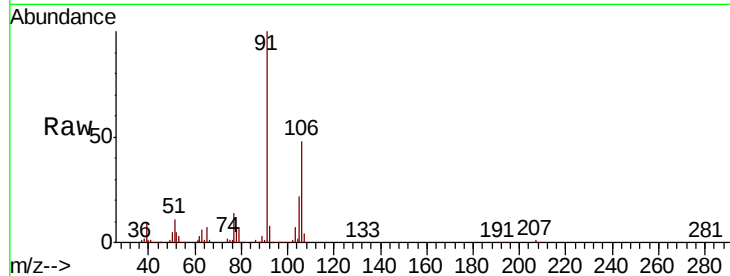
91 208.5 165.6 248.4

Manual Integrations

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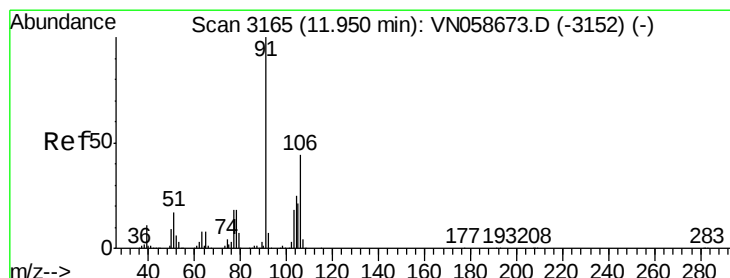
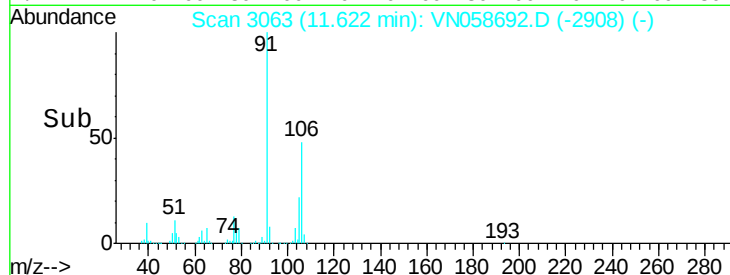
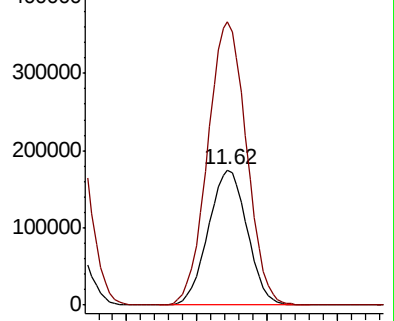
MMDadoda

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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: 20.691 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058692.D

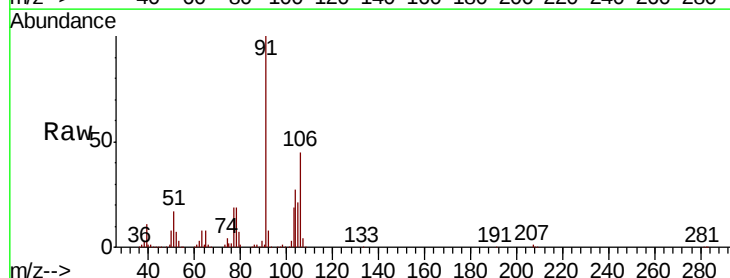
Acq: 11 Oct 2019 10:47

Tgt Ion:106 Resp: 162526

Ion Ratio Lower Upper

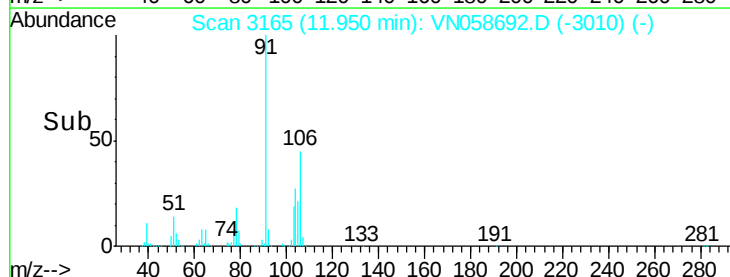
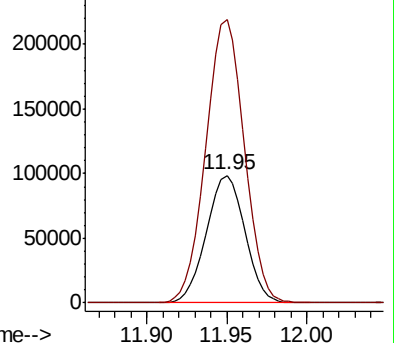
106 100

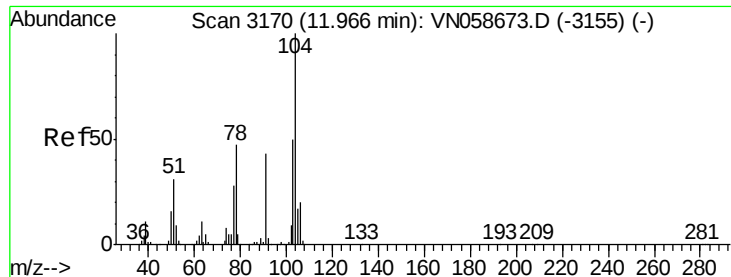
91 221.0 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





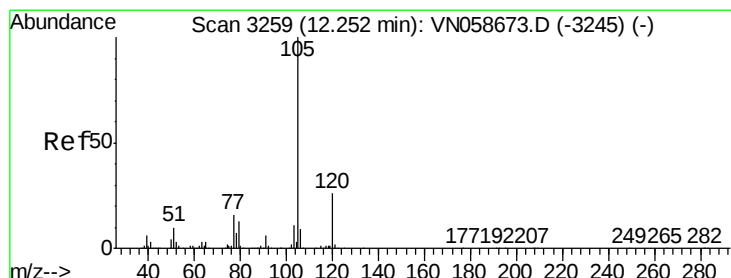
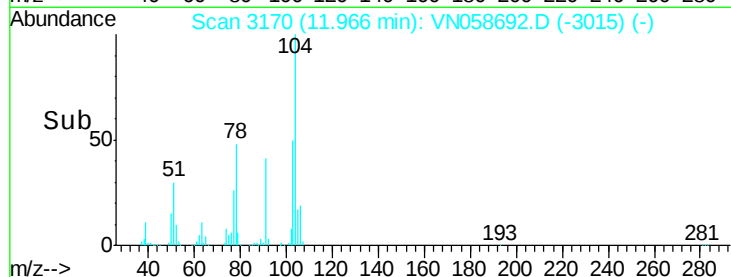
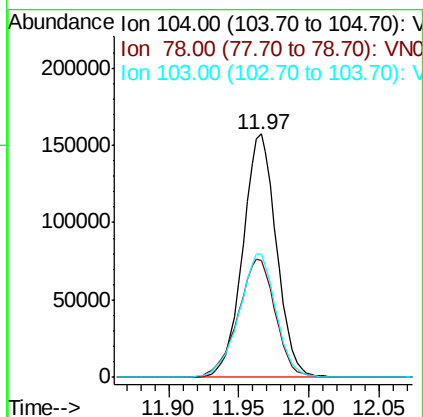
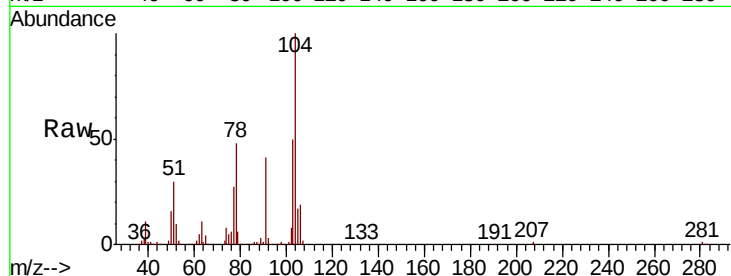
#69
Stvrene
Concen: 20.268 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.4	63.6
103	55.5	44.6	66.8

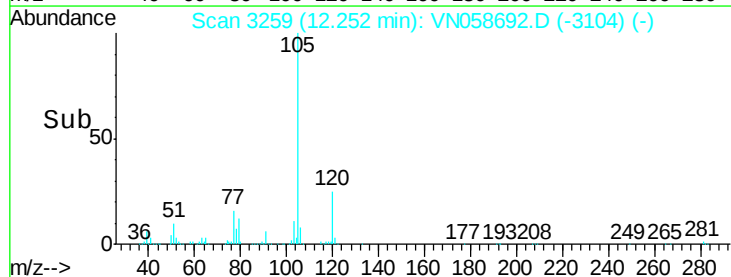
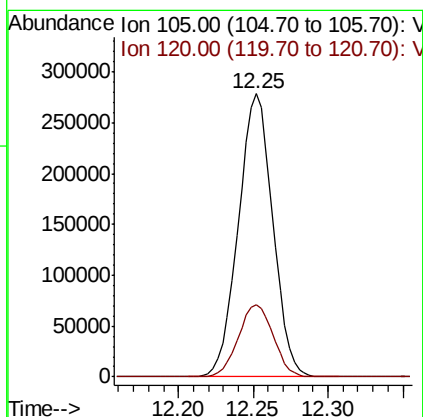
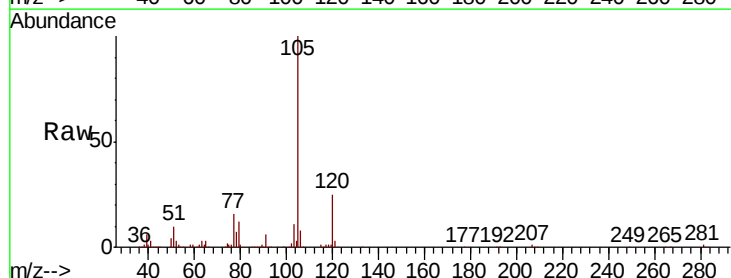
Manual Integrations
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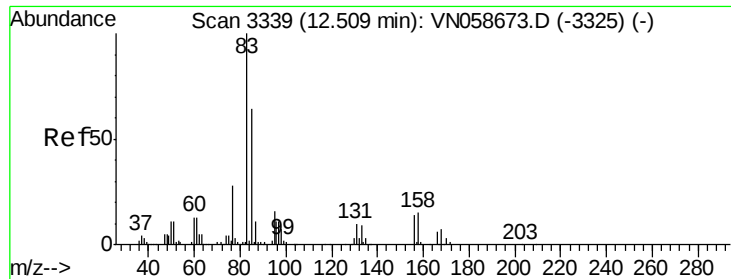
MMDadoda
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#70
Isopropylbenzene
Concen: 21.010 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2





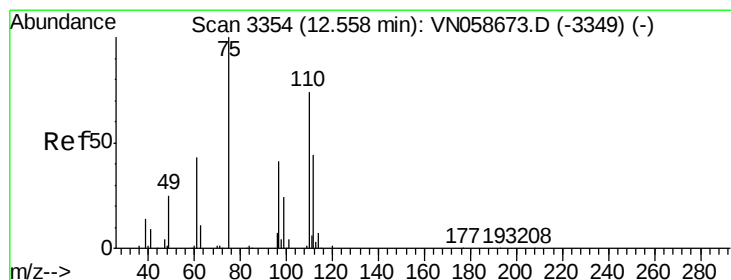
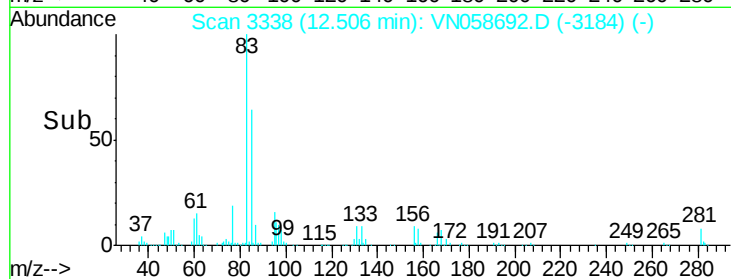
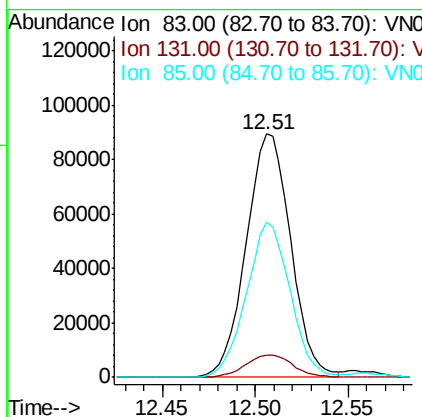
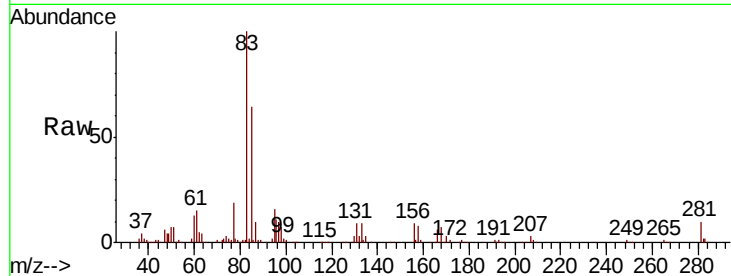
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.932 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	62.5	31.6	94.7

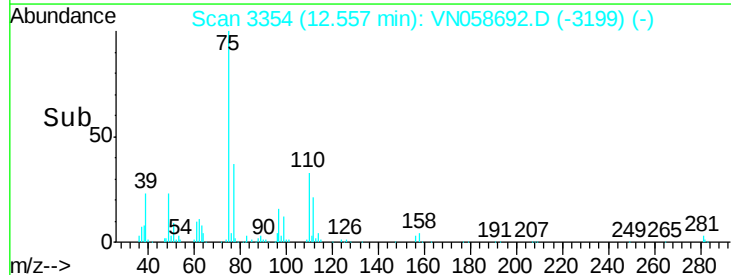
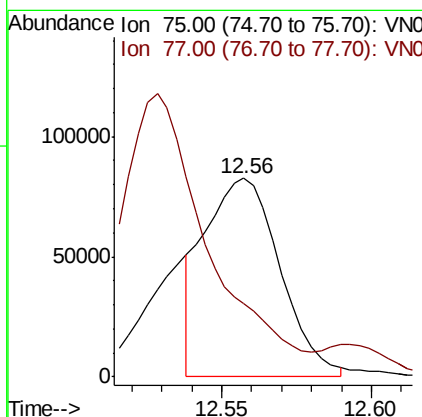
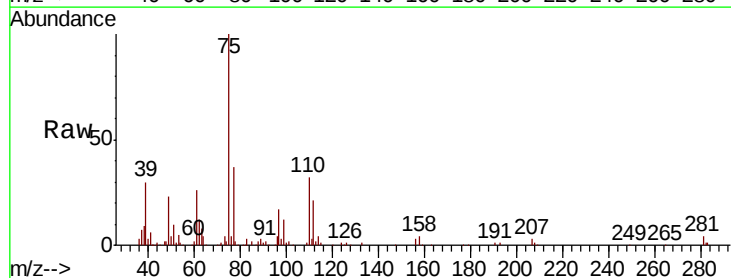
Manual Integrations
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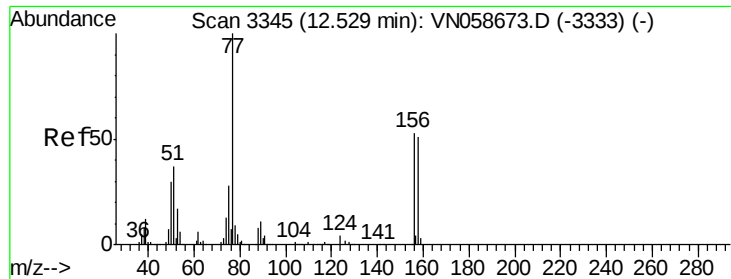
MMDadoda
 10/14/2019 4:59:34 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.351 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	170.0	0.0	359.4





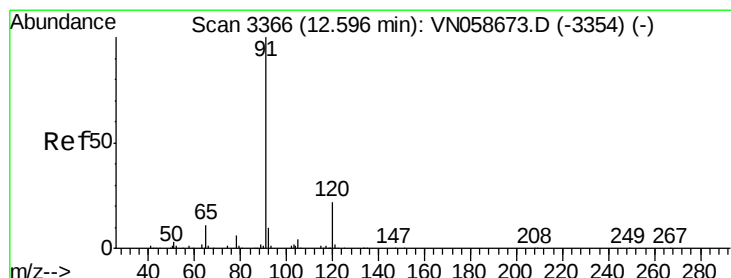
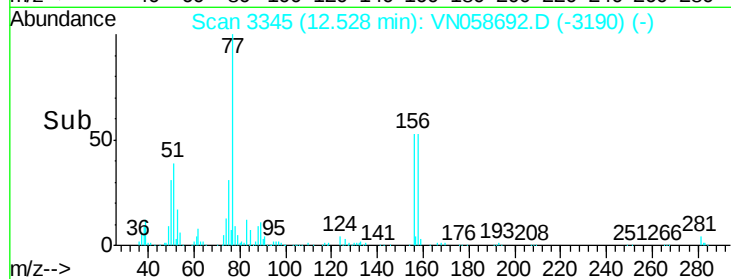
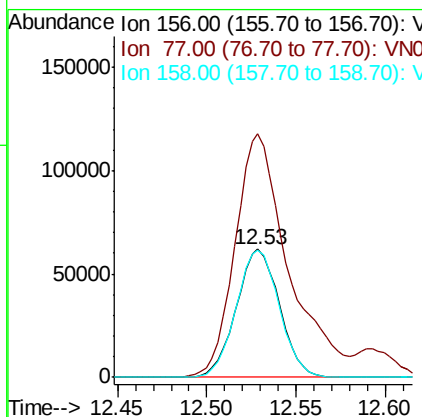
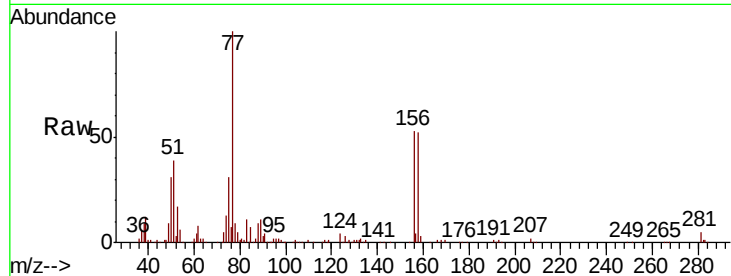
#73
Bromobenzene
Concen: 20.261 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	235.5	0.0	456.0
158	99.5	0.0	195.4

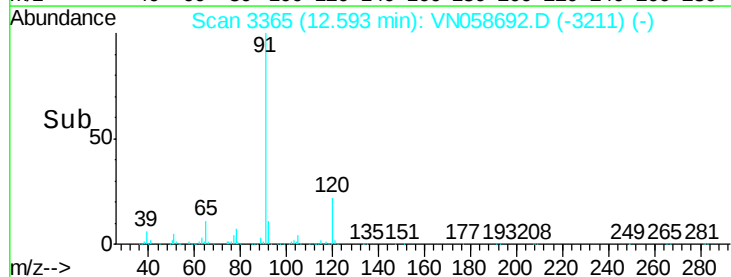
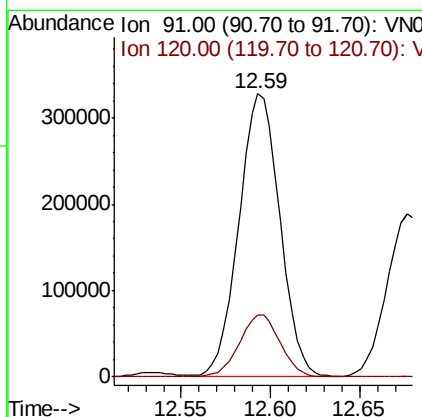
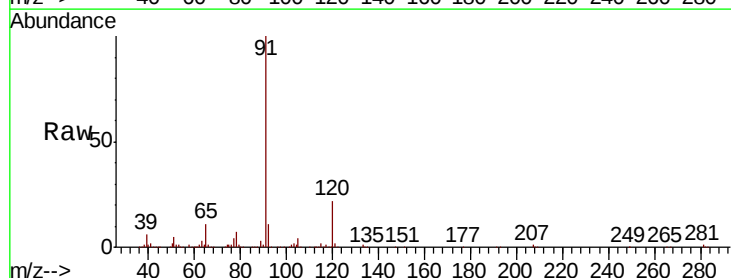
Manual Integrations
APPROVED

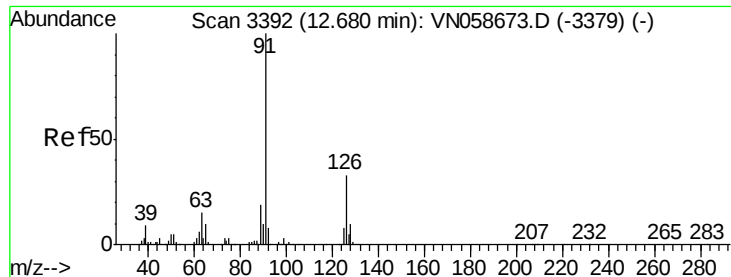
MMDadoda
10/14/2019 4:59:34 PM



#74
n-propylbenzene
Concen: 21.263 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	43.6





#75

2-Chlorotoluene

Concen: 21.099 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 315126

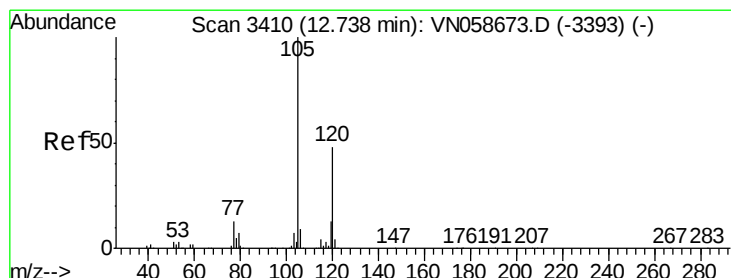
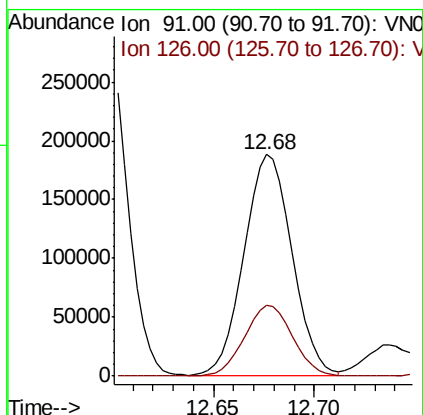
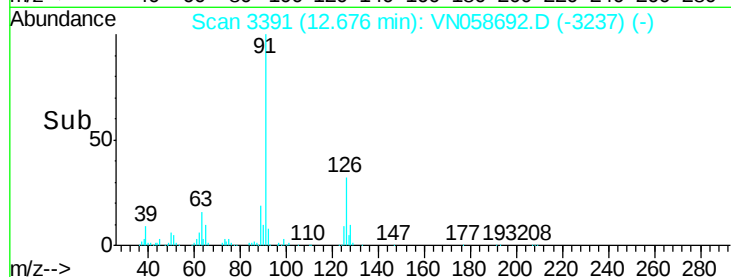
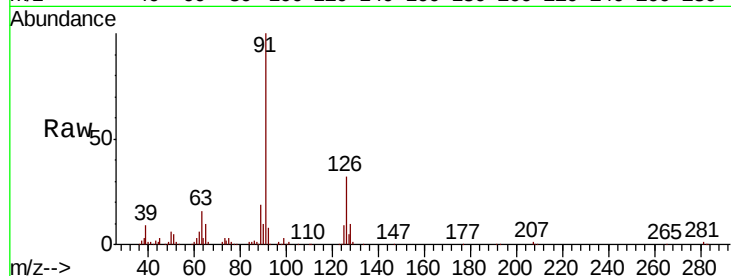
Ion Ratio Lower Upper

91 100

126 32.2 0.0 65.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058692.D

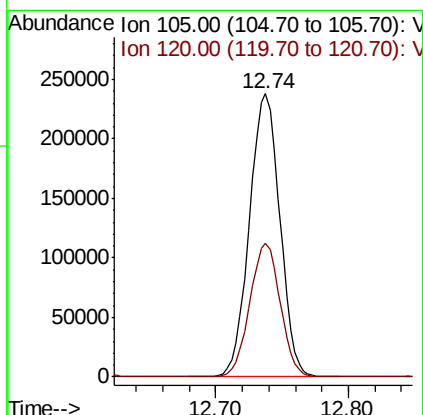
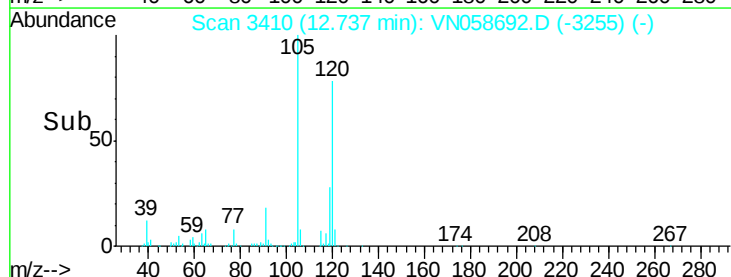
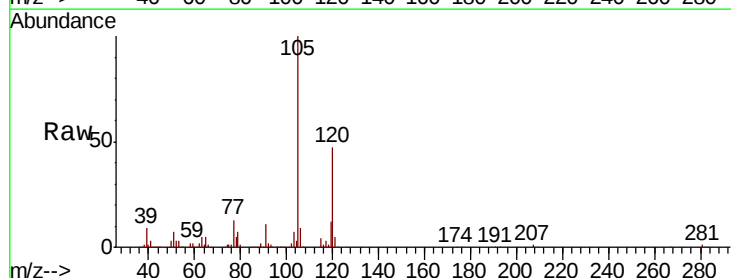
Acq: 11 Oct 2019 10:47

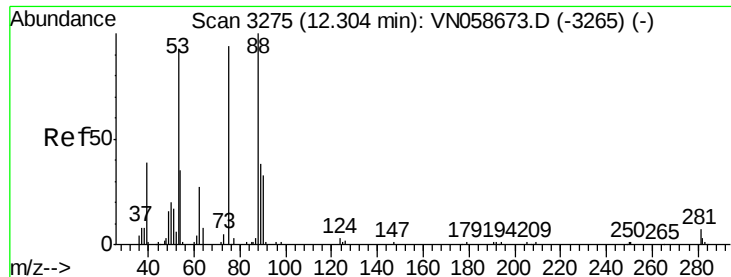
Tgt Ion: 105 Resp: 378902

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.0





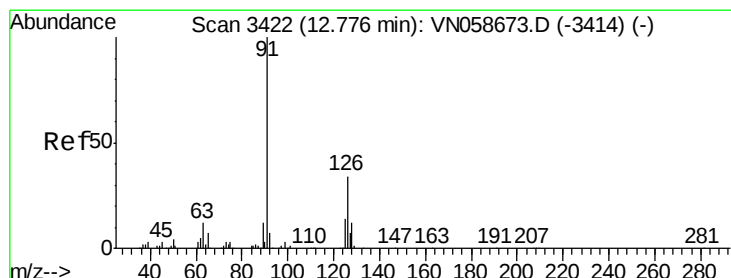
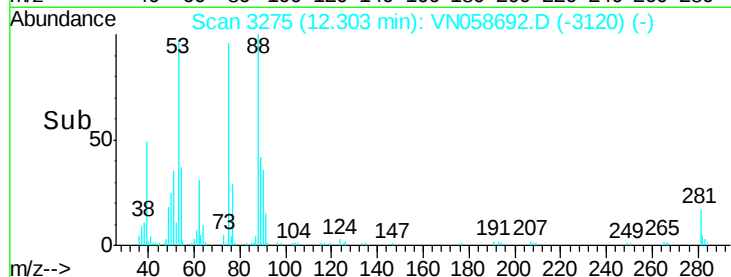
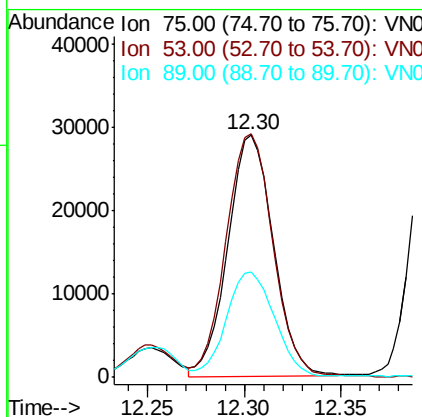
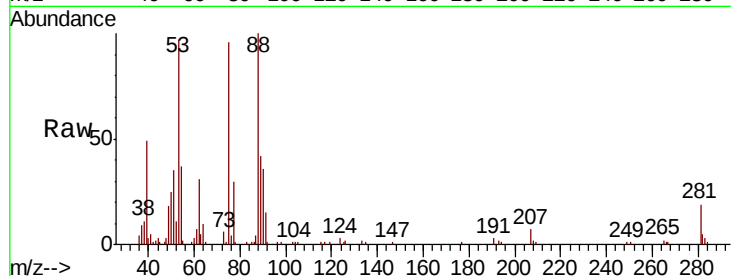
#77
t-1,4-Dichloro-2-butene
Concen: 19.159 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	50.0	150.0
89	43.3	20.7	62.1

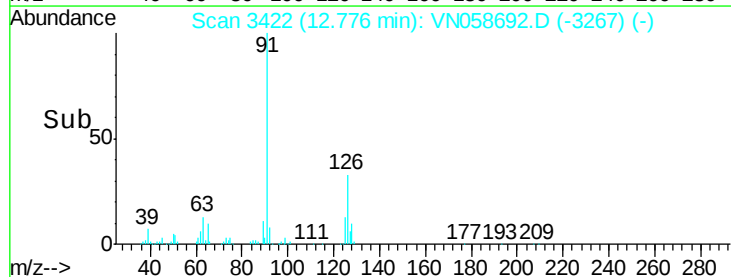
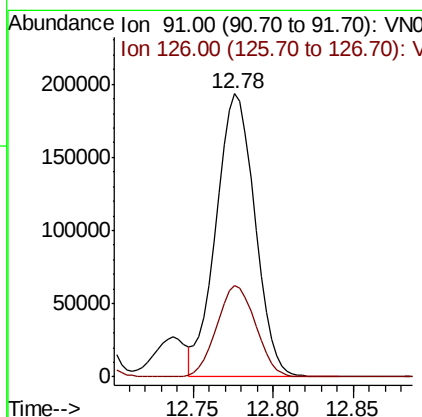
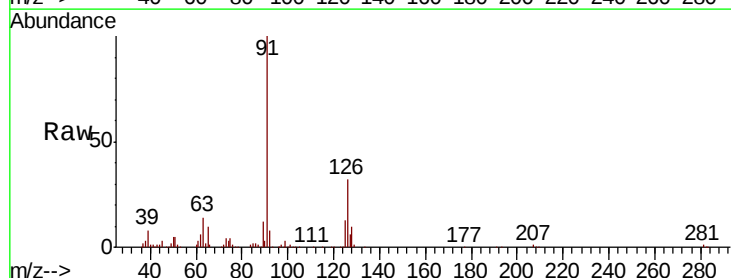
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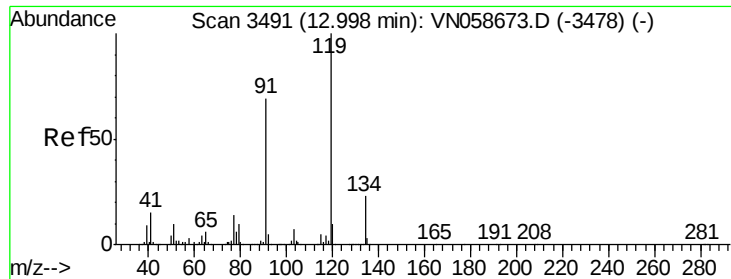
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#78
4-Chlorotoluene
Concen: 20.764 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	63.4





#79

tert-butylbenzene

Concen: 20.798 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

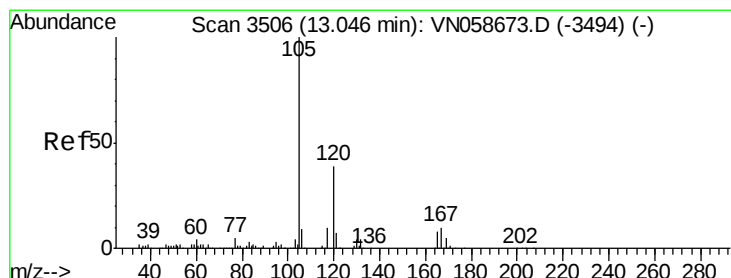
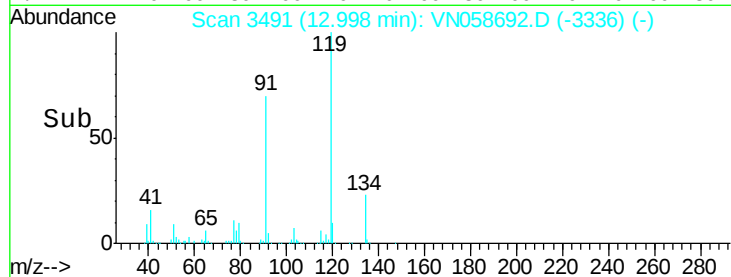
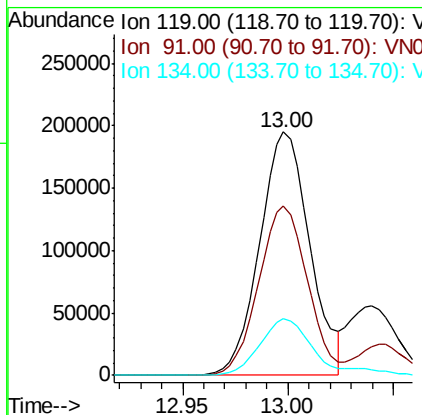
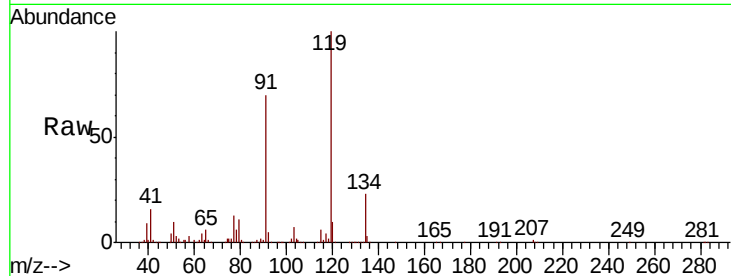
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	0.0	136.4
134	23.8	0.0	47.2

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#80

1,2,4-Trimethylbenzene

Concen: 21.057 ug/l

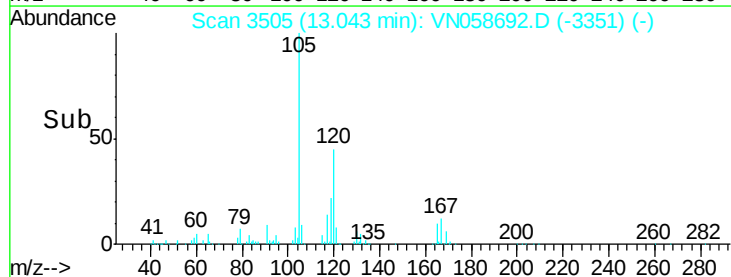
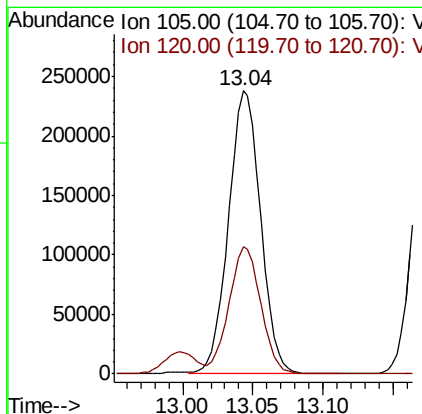
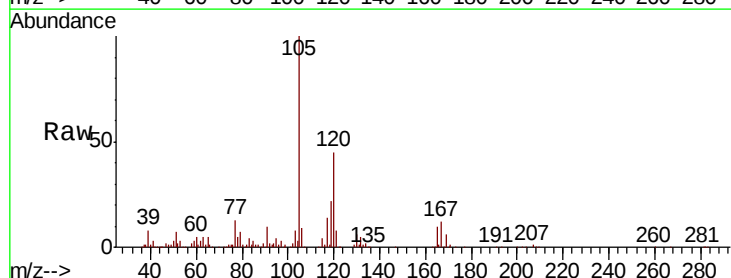
RT: 13.04 min Scan# 3505

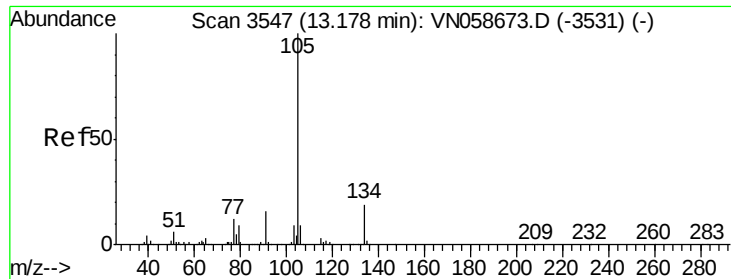
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	0.0	89.2





#81

sec-Butylbenzene

Concen: 20.766 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 433695

Ion Ratio Lower Upper

105 100

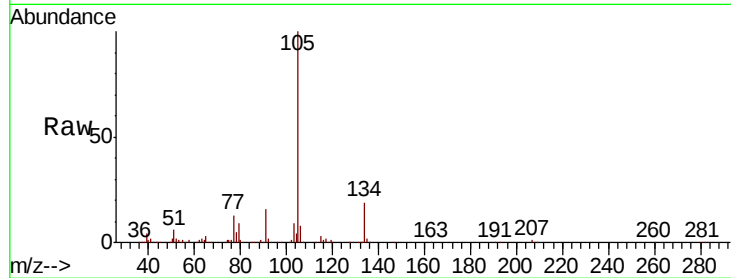
134 19.4 0.0 38.0

Manual Integrations

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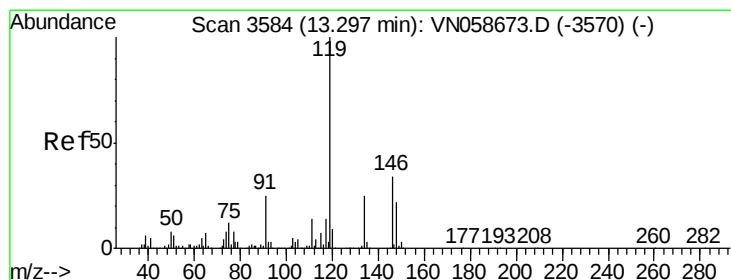
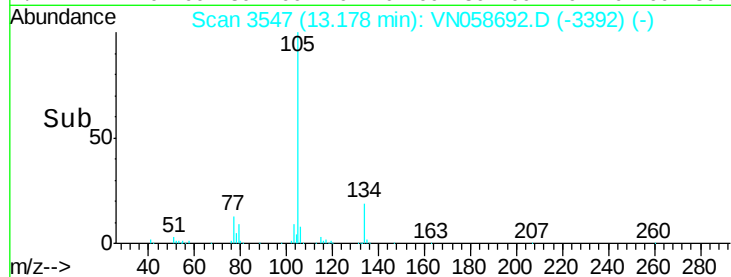
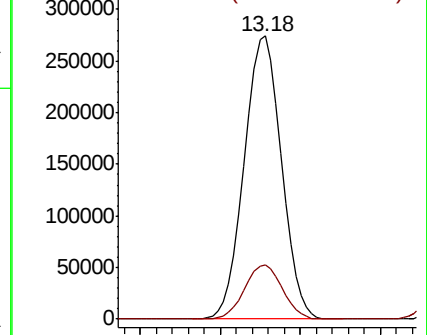
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.887 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

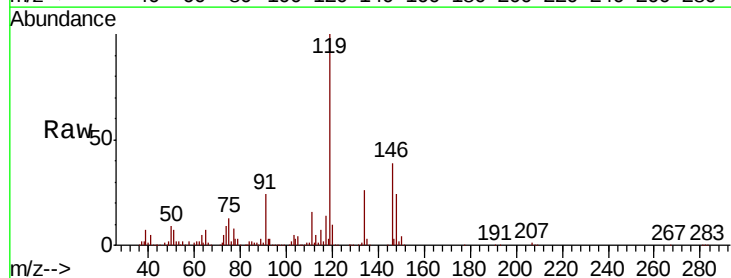
Tgt Ion:119 Resp: 391713

Ion Ratio Lower Upper

119 100

134 26.1 0.0 50.8

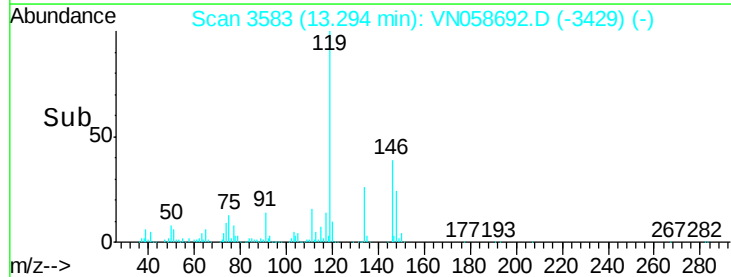
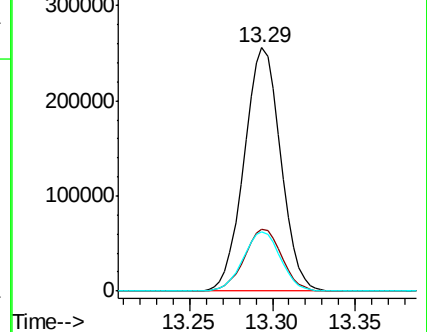
91 24.9 0.0 49.4

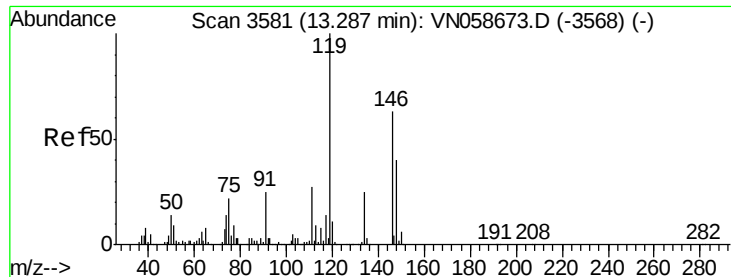


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





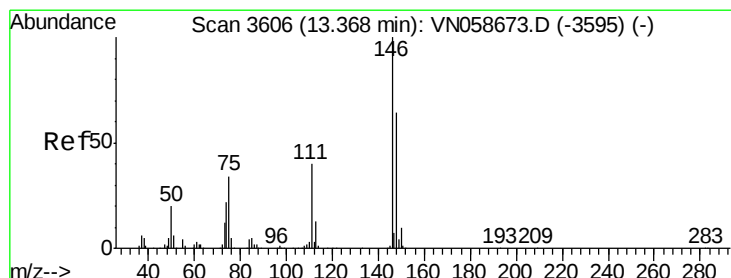
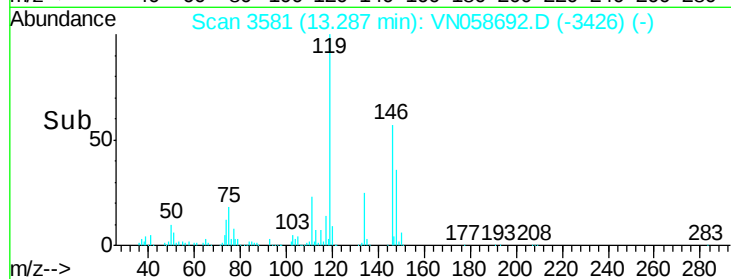
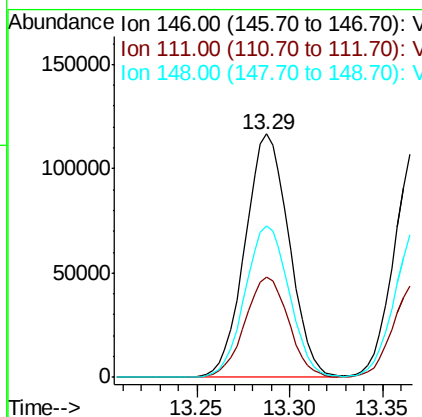
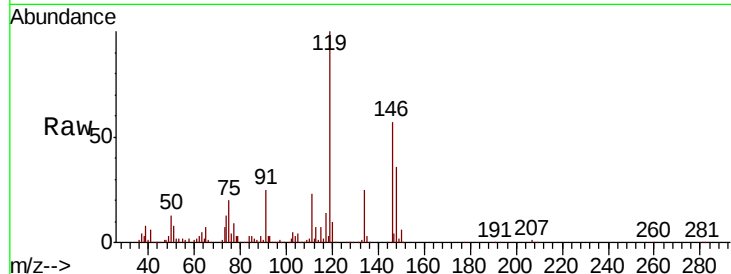
#83
 1,3-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	62.7	31.7	95.1

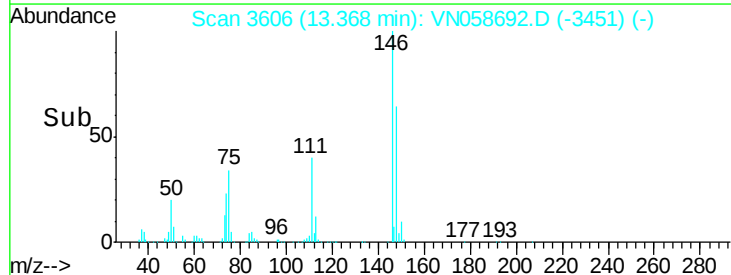
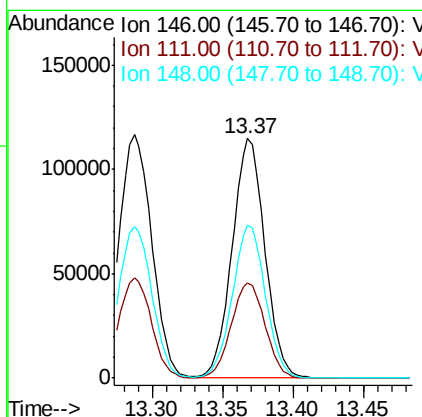
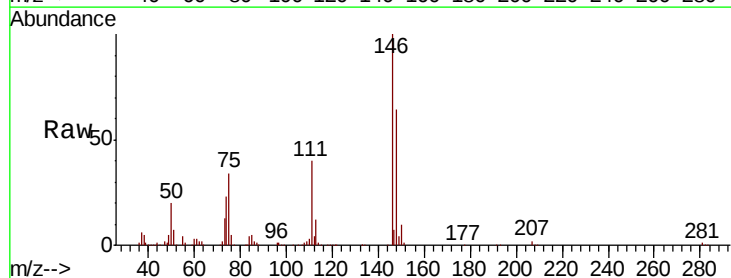
Manual Integrations
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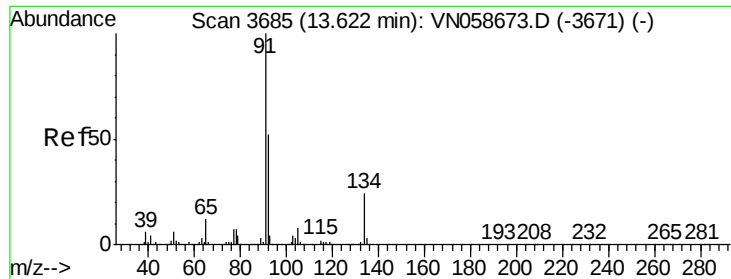
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#84
 1,4-Dichlorobenzene
 Concen: 20.051 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	64.7	31.6	94.8





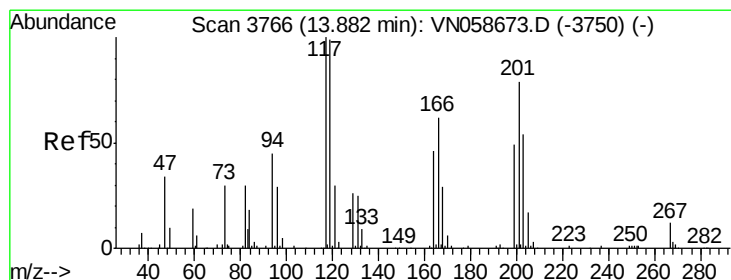
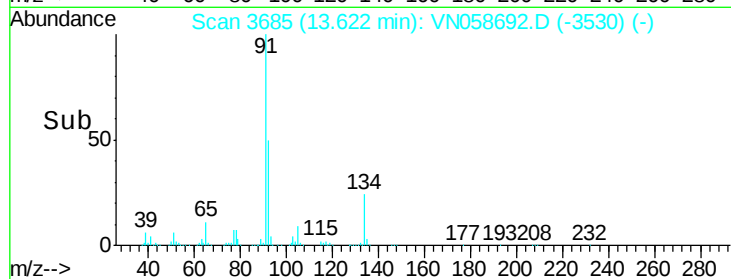
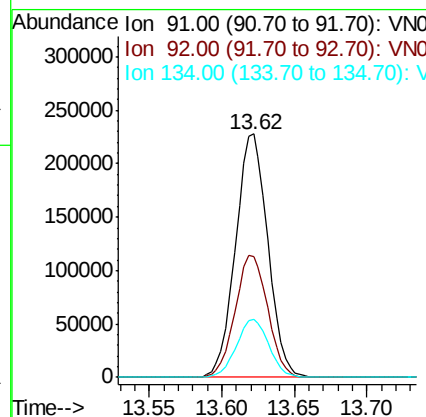
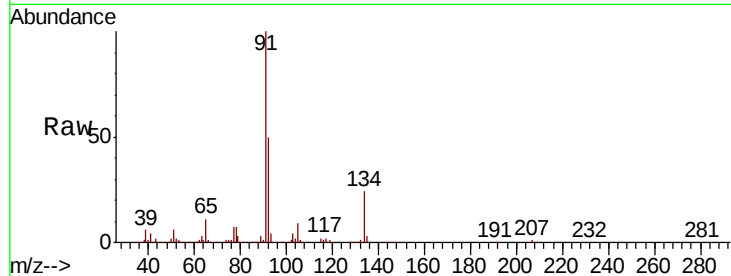
#85
n-Butylbenzene
Concen: 20.508 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	352121		
92	50.6	0.0	102.8	
134	23.9	0.0	48.6	

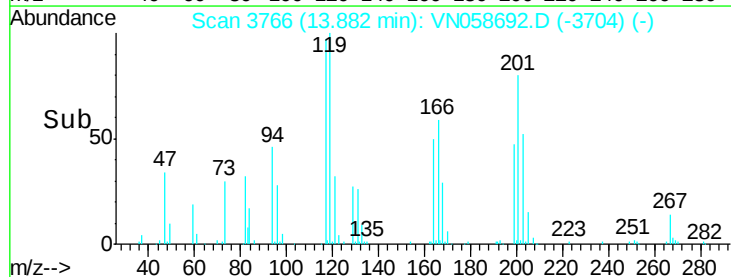
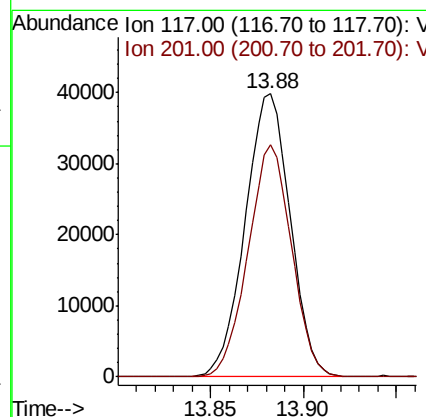
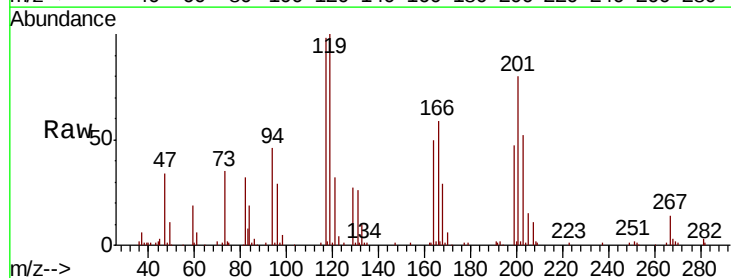
Manual Integrations
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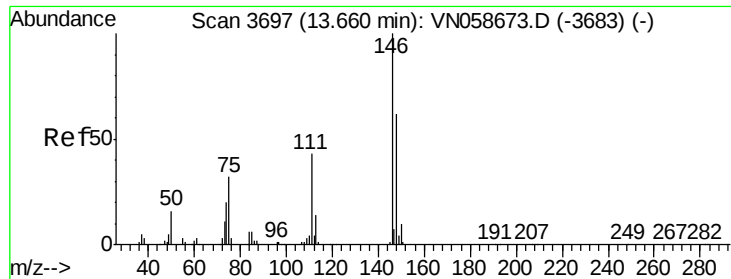
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#86
Hexachloroethane
Concen: 19.720 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67303		
201	78.9	38.7	116.1	





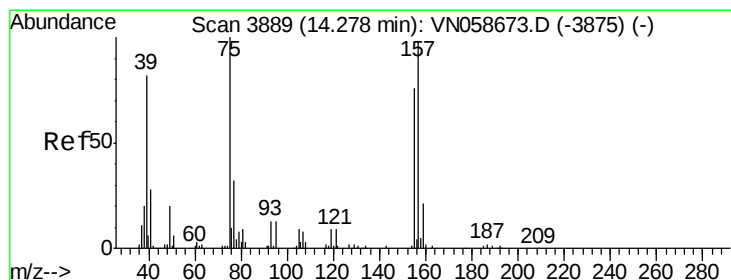
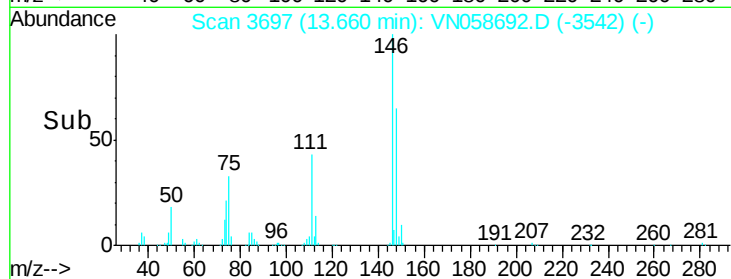
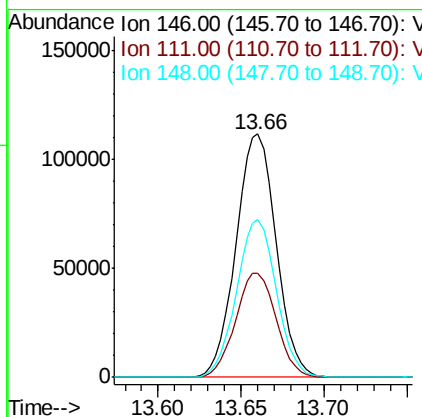
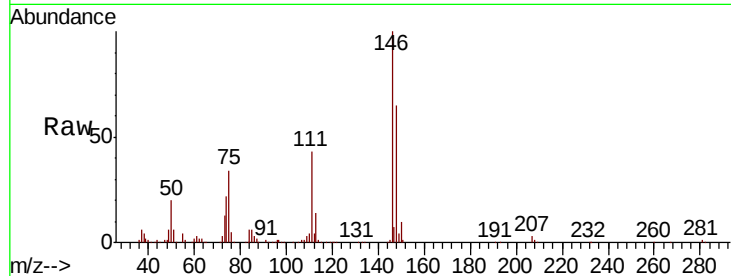
#87
 1,2-Dichlorobenzene
 Concen: 20.455 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	64.2	32.1	96.5

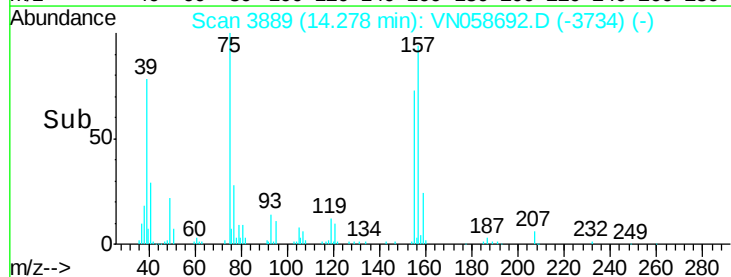
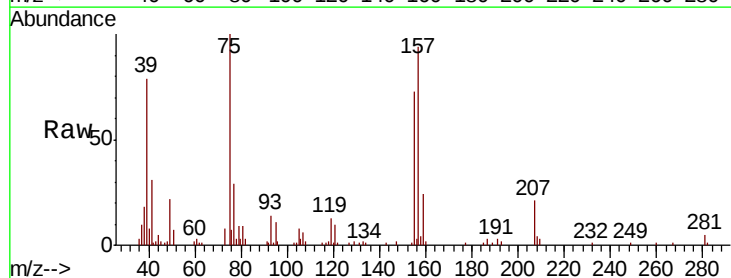
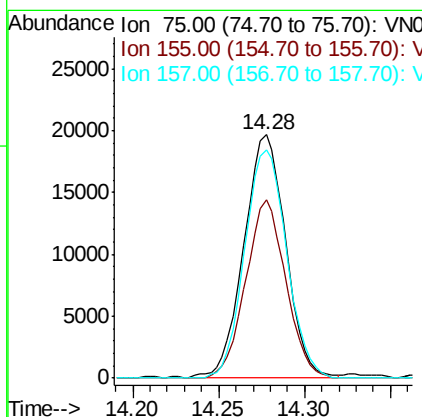
Manual Integrations
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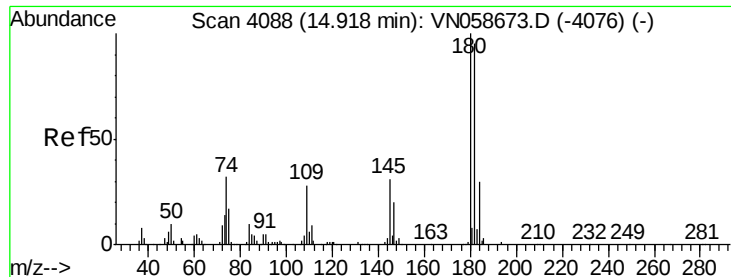
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.890 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	58.3	87.5
157	93.7	75.0	112.6





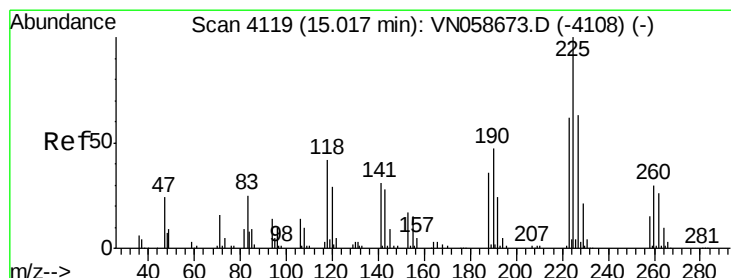
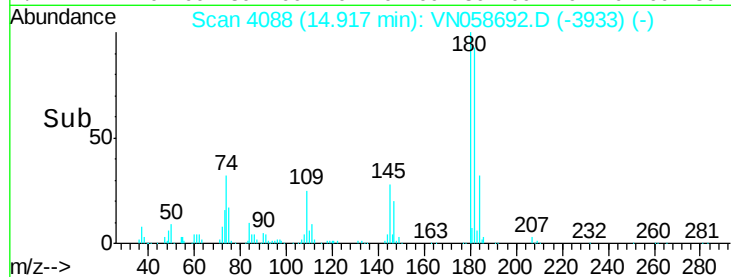
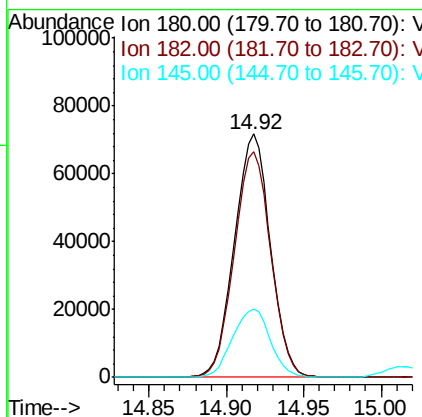
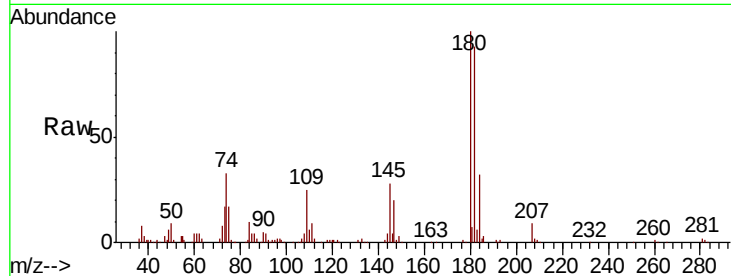
#89
 1,2,4-Trichlorobenzene
 Concen: 19.965 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	180	Resp:	116004
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.3	112.9
145	29.3	24.8	37.2

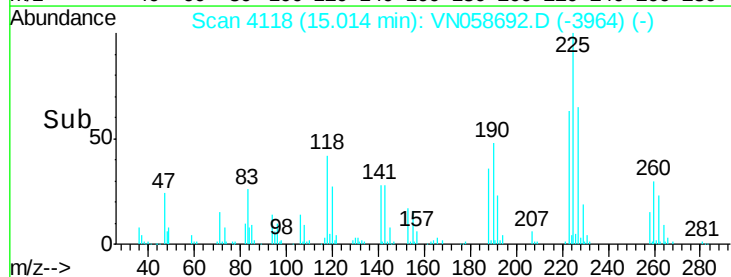
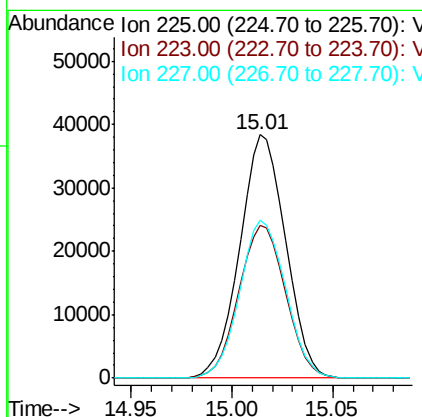
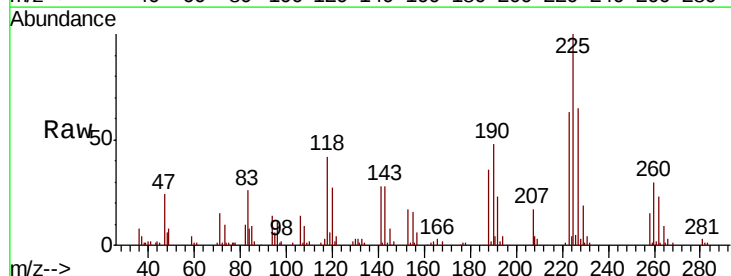
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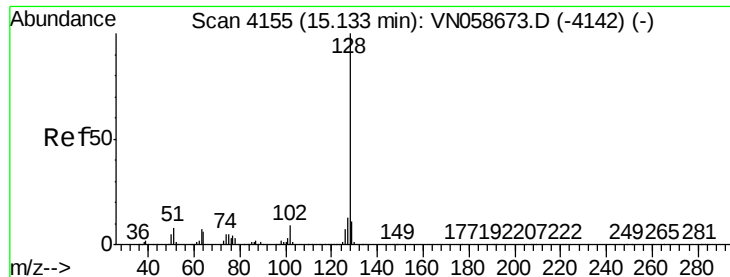
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#90
 Hexachlorobutadiene
 Concen: 20.401 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion:	225	Resp:	61210
Ion Ratio	Lower	Upper	
225	100		
223	64.2	0.0	126.2
227	64.8	0.0	127.0





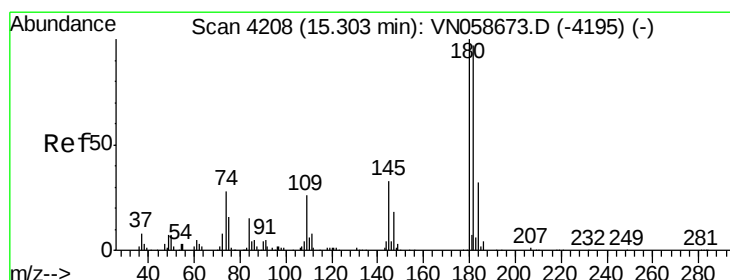
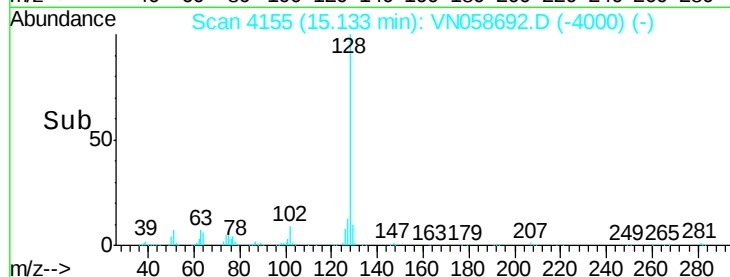
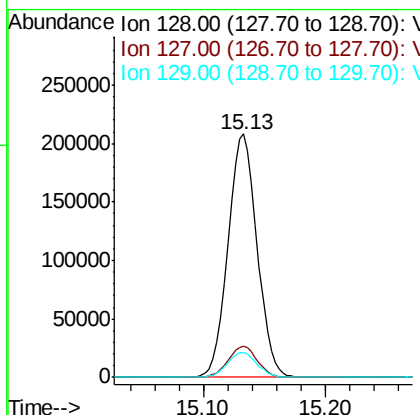
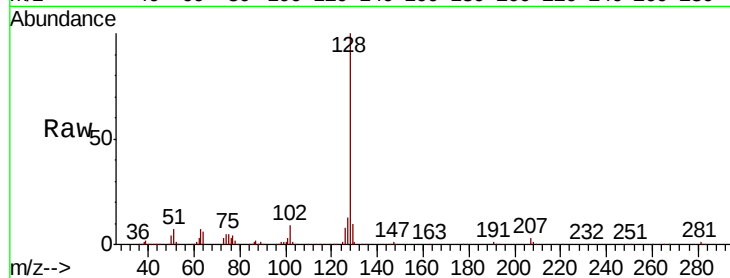
#91
Naphthalene
Concen: 20.178 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 20.128 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	33.1	0.0	65.8

