

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057665.D
 Acq On : 3 Sep 2019 15:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:21:07 PM

Quant Time: Sep 04 02:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	58842	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	366487	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328036	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	189223	38.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	129.90%
60) 4-Bromofluorobenzene	12.40	95	180666	35.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	118.73%
63) Toluene-d8	10.08	98	470555	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	443246	135.275	ug/l 100
3) Chloromethane	2.05	50	455492	148.089	ug/l 100
4) Vinyl Chloride	2.18	62	374278	91.178	ug/l 94
5) Bromomethane	2.52	94	217515m	60.744	ug/l
6) Chloroethane	2.68	64	265362	94.831	ug/l 96
7) Trichlorofluoromethane	3.00	101	715250	81.921	ug/l 96
8) Diethyl Ether	3.40	74	232969	82.181	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	358462	70.306	ug/l 99
10) 1,1-Dichloroethene	3.73	96	333671	70.597	ug/l 96
11) Methyl Iodide	3.94	142	499968	63.024	ug/l 99
12) Methyl Acetate	4.30	43	491005	152.742	ug/l 96
13) Acrolein	3.59	56	139617	407.295	ug/l 92
14) Acrylonitrile	4.96	53	939559	769.038	ug/l 99
15) Acetone	3.80	58	267327	482.742	ug/l 97
16) Carbon Disulfide	4.04	76	880088	150.038	ug/l 100
17) Allyl chloride	4.31	41	767773	181.750	ug/l 98
18) Methylene Chloride	4.54	84	409829	129.586	ug/l 94
19) trans-1,2-Dichloroethene	5.02	96	357318	117.077	ug/l 97
20) Diisopropyl ether	5.93	45	1560691	155.184	ug/l 94
21) 1,1-Dichloroethane	5.83	63	788971	131.121	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	429405	106.538	ug/l 96
23) tert-Butyl Alcohol	4.75	59	349134	786.252	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	1344643	132.036	ug/l 99
25) Chloroform	7.36	83	830539	117.569	ug/l 99
26) Cyclohexane	7.64	56	670760	133.568	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	579718	113.810	ug/l 98
30) 2-Butanone	6.82	43	1422765	793.439	ug/l # 97
31) 2,2-Dichloropropane	6.81	77	743501	121.855	ug/l # 77
32) 1,1,1-Trichloroethane	7.56	97	745364	111.529	ug/l 99
33) Carbon Tetrachloride	7.76	117	609393	108.375	ug/l 94
34) Benzene	8.03	78	1674981	110.829	ug/l # 86
35) Methacrylonitrile	7.15	41	253467	147.749	ug/l 99
36) 1,2-Dichloroethane	8.11	62	752377	130.683	ug/l # 100
37) Trichloroethene	8.83	130	401381	95.377	ug/l 96
38) Methylcyclohexane	9.07	83	635801	105.278	ug/l 98
39) 1,2-Dichloropropane	9.11	63	454121	119.407	ug/l 95
40) Dibromomethane	9.20	93	300966	107.532	ug/l 97

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Quant Time: Sep 04 02:03:45 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	674424	116.556	ug/l	97
42) Vinyl Acetate	5.88	43	6120014	760.675	ug/l	99
43) Ethyl Acetate	6.91	43	597925m	171.694	ug/l	
44) Isopropyl Acetate	8.15	43	1091204	157.224	ug/l	97
45) 1,4-Dioxane	9.19	88	138809	2486.206	ug/l	96
46) Methyl methacrylate	9.19	41	538411	167.305	ug/l	97
47) n-amyl Acetate	12.07	43	905404	163.771	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	722066	123.520	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	754764	119.682	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	403223	100.865	ug/l	99
51) Ethyl methacrylate	10.43	69	687288	127.143	ug/l	98
52) 1,3-Dichloropropane	10.71	76	721206	113.354	ug/l	100
53) Dibromochloromethane	10.90	129	460343	104.327	ug/l	98
54) 1,2-Dibromoethane	11.00	107	413996	100.824	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1117149	800.014	ug/l	99
56) Bromoform	12.13	173	300040	105.028	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	2916271	775.635	ug/l	98
59) 2-Hexanone	10.75	43	2155192	829.566	ug/l	99
61) Tetrachloroethene	10.63	164	360487	87.668	ug/l	97
62) Toluene	10.15	91	1834384	109.771	ug/l	100
64) Chlorobenzene	11.43	112	1108109	104.788	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	414689	99.635	ug/l	98
66) Ethyl Benzene	11.51	91	2106281	116.612	ug/l	96
67) m/p-Xylenes	11.62	106	1506906	213.196	ug/l	89
68) o-Xylene	11.95	106	734723	103.295	ug/l	96
69) Styrene	11.96	104	1273017	113.581	ug/l	97
70) Isopropylbenzene	12.25	105	2050508	114.718	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	539928	111.711	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	499960m	120.465	ug/l	
73) Bromobenzene	12.53	156	450302	100.732	ug/l	96
74) n-propylbenzene	12.59	91	2337732	126.230	ug/l	98
75) 2-Chlorotoluene	12.67	91	1459943	121.073	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1732438	115.514	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	179973	136.722	ug/l	84
78) 4-Chlorotoluene	12.77	91	1435192	125.664	ug/l	99
79) tert-butylbenzene	12.99	119	1471758	107.990	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1654215	117.761	ug/l	99
81) sec-Butylbenzene	13.17	105	1948975	117.578	ug/l	99
82) p-Isopropyltoluene	13.29	119	1679542	115.295	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	721987	101.071	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	695440	101.895	ug/l	99
85) n-Butylbenzene	13.62	91	1496108	126.648	ug/l	98
86) Hexachloroethane	13.88	117	315177	111.513	ug/l	92
87) 1,2-Dichlorobenzene	13.66	146	669319	98.660	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	95456	137.875	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	282994	114.189	ug/l	97
90) Hexachlorobutadiene	15.01	225	234968	104.240	ug/l	98
91) Naphthalene	15.13	128	754926	111.726	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	272582	111.393	ug/l	97

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ClientSampleId :
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QLast Update : Wed Sep 04 01:42:15 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

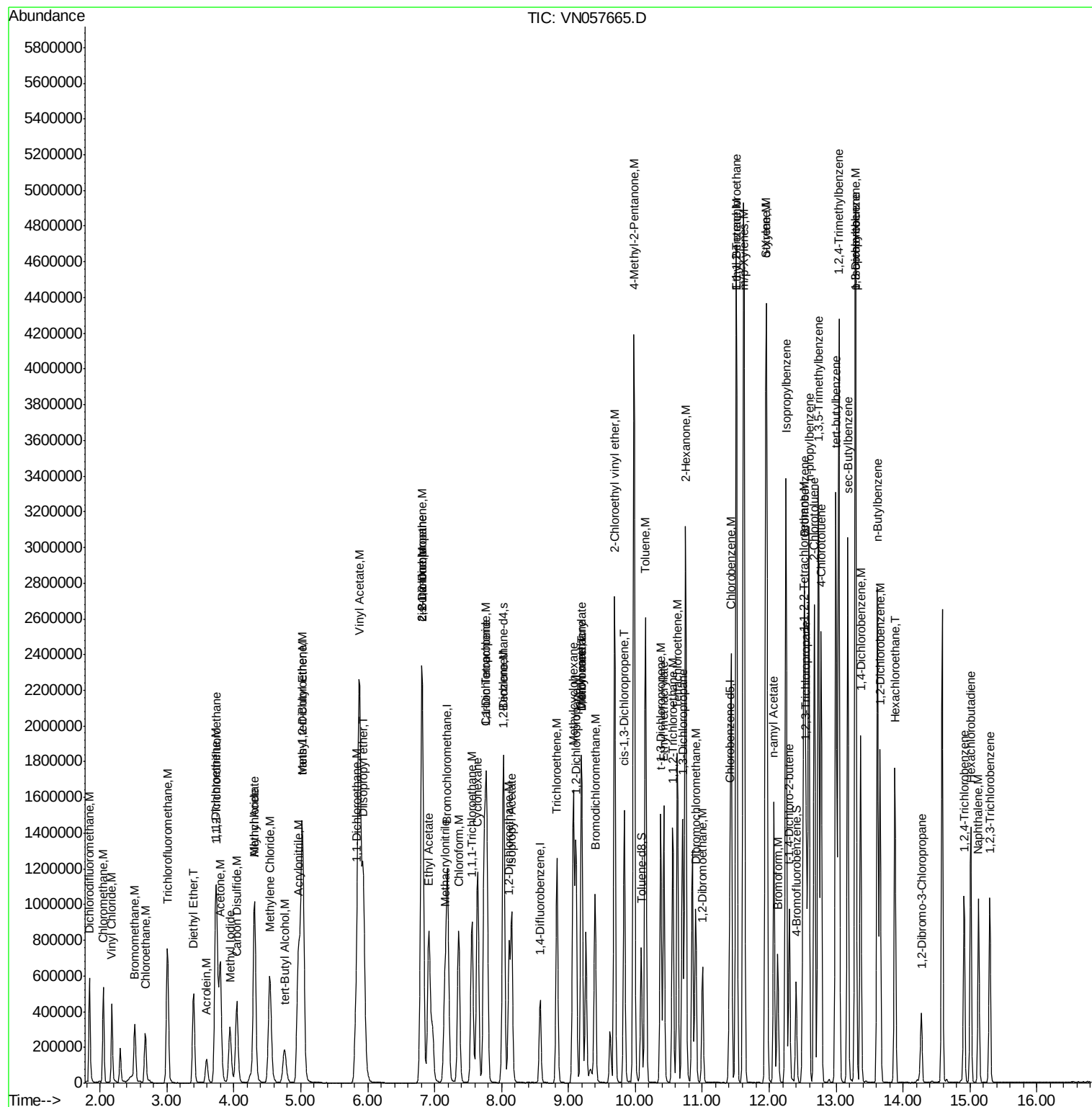
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057665.D
Acq On : 3 Sep 2019 15:58
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

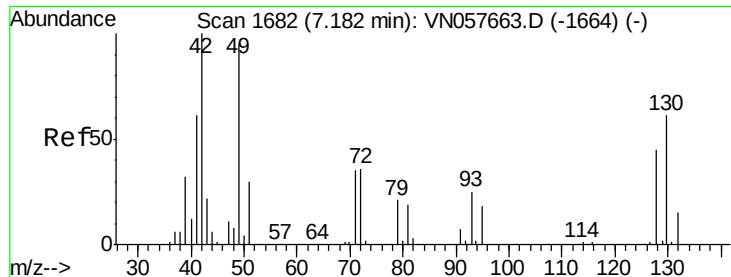
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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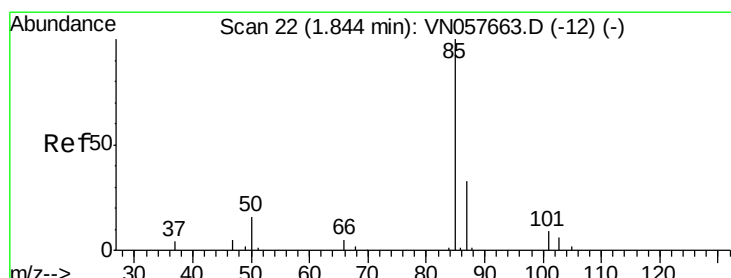
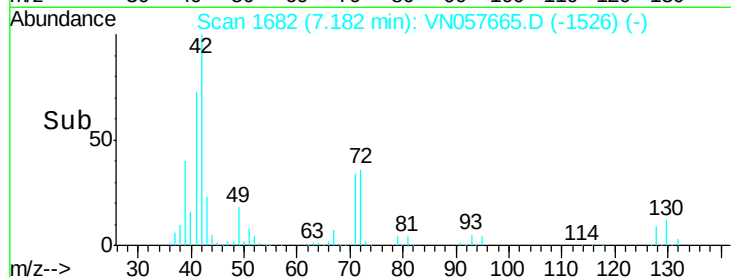
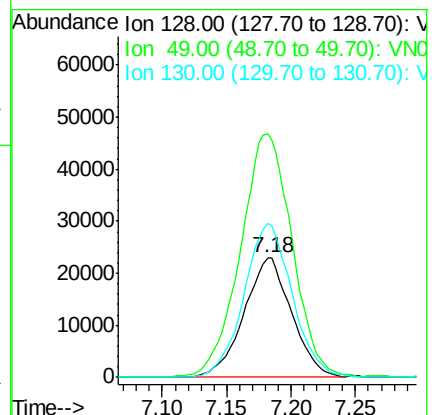
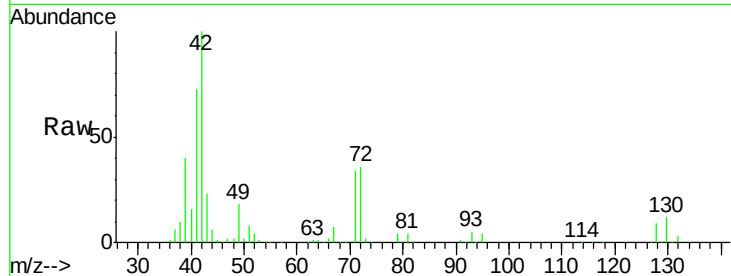
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	221.7	0.0	544.5
130	130.7	0.0	324.7

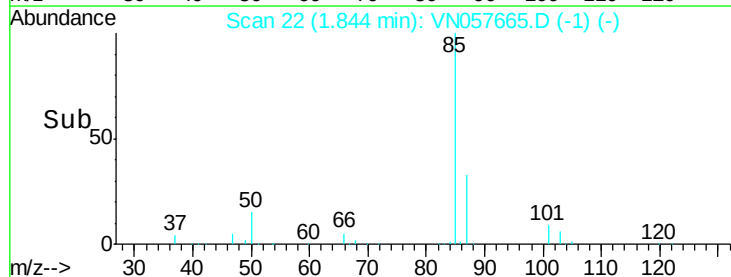
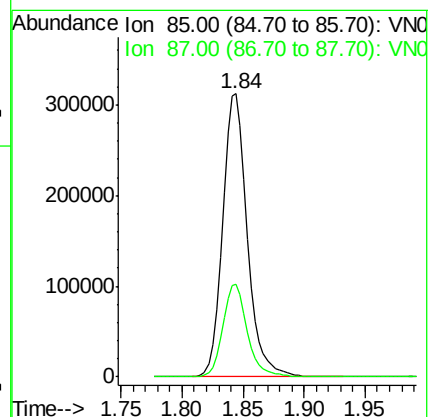
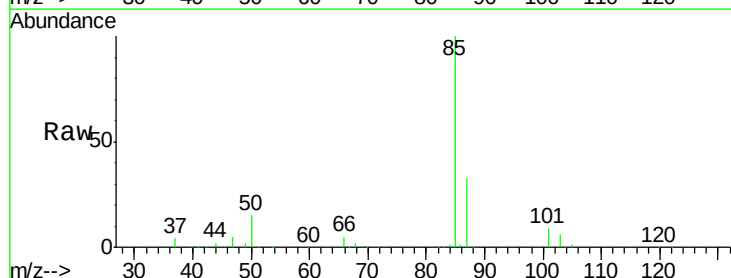
Manual Integrations
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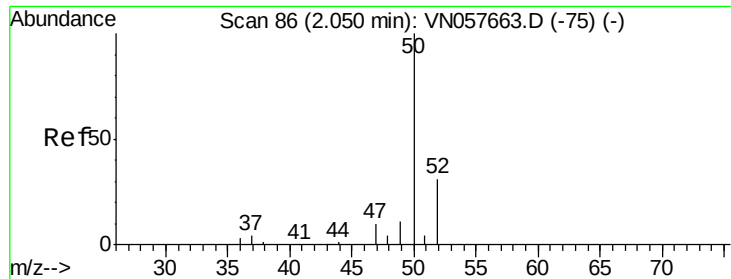
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#2
Dichlorodifluoromethane
Concen: 135.275 ug/l
RT: 1.84 min Scan# 22
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.6	49.7





#3

Chloromethane

Concen: 148.089 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 455492

Ion Ratio Lower Upper

50 100

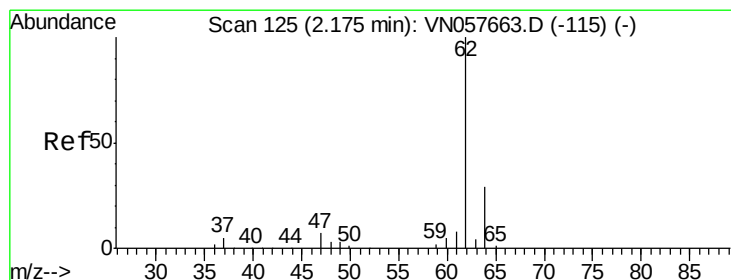
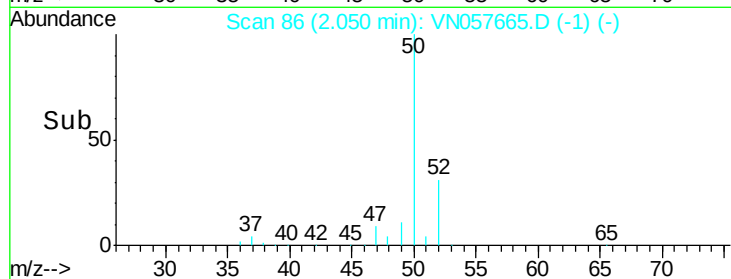
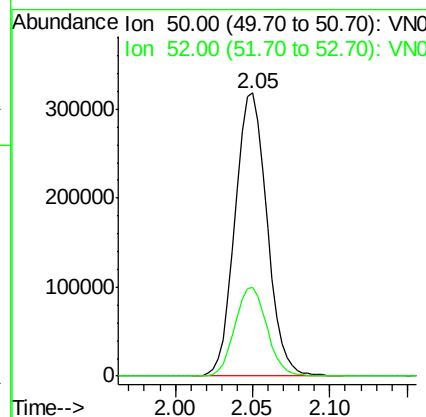
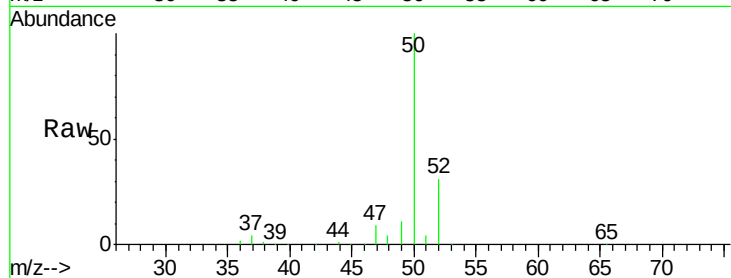
52 31.4 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.178 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN057665.D

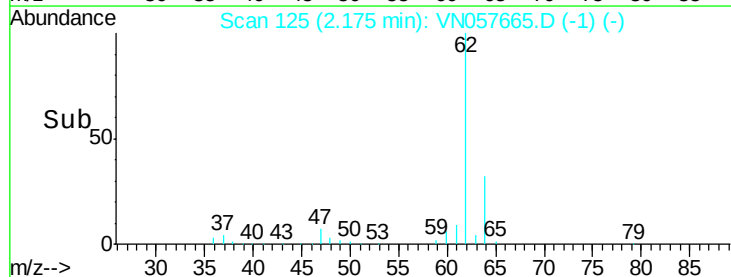
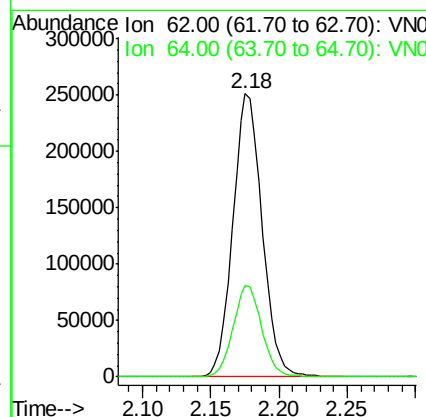
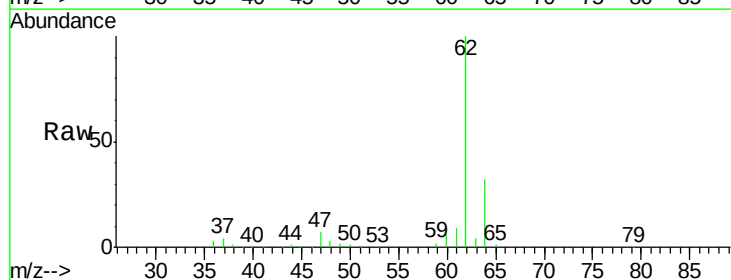
Acq: 3 Sep 2019 15:58

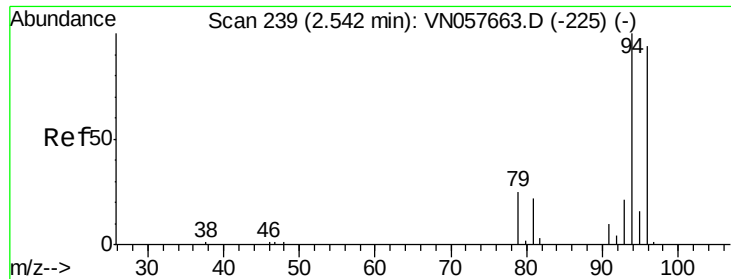
Tgt Ion: 62 Resp: 374278

Ion Ratio Lower Upper

62 100

64 32.4 23.2 34.8





#5

Bromomethane

Concen: 60.744 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 217515

Ion Ratio Lower Upper

94 100

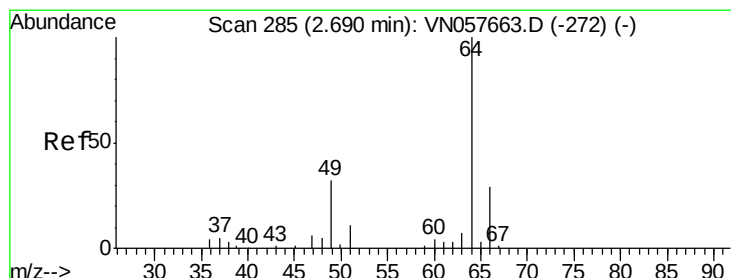
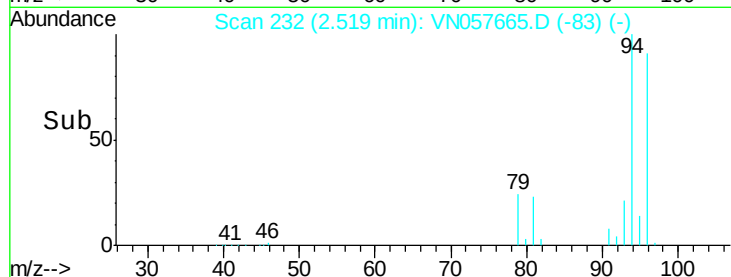
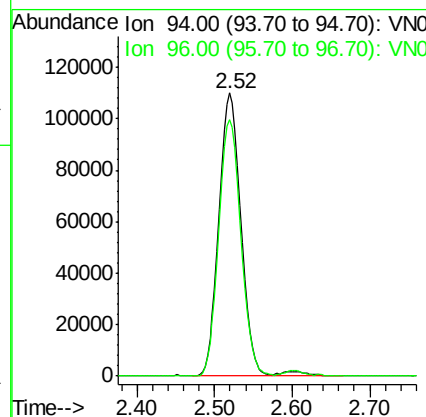
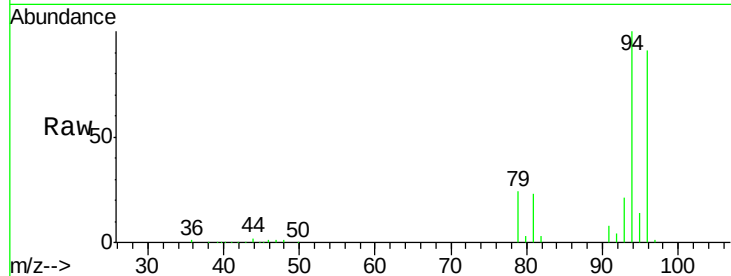
96 90.7 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 94.831 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057665.D

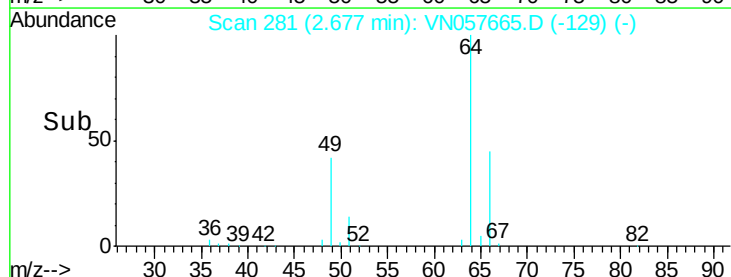
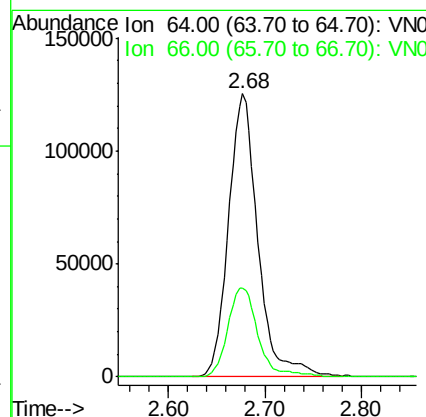
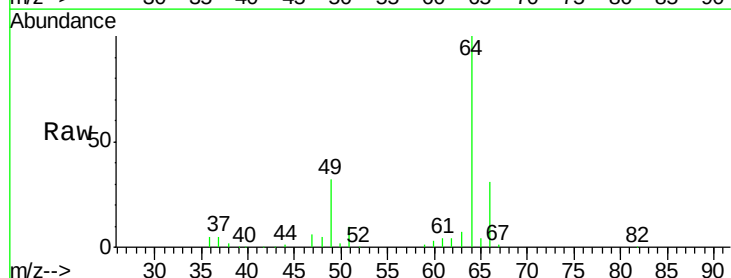
Acq: 3 Sep 2019 15:58

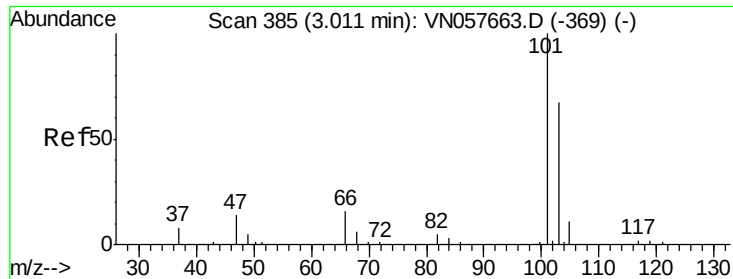
Tgt Ion: 64 Resp: 265362

Ion Ratio Lower Upper

64 100

66 31.4 23.5 35.3





#7

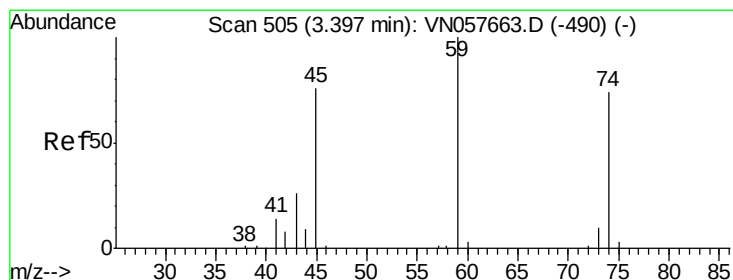
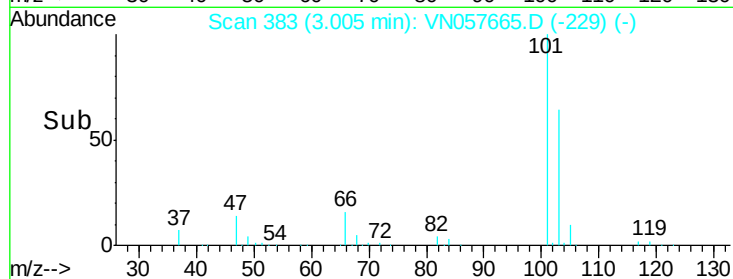
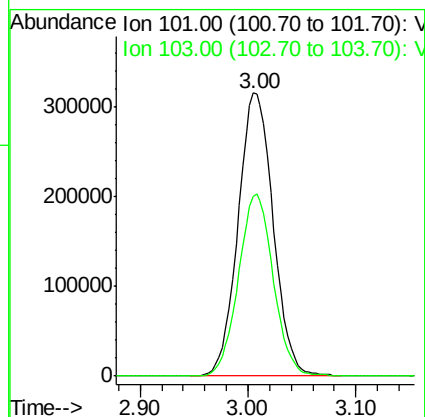
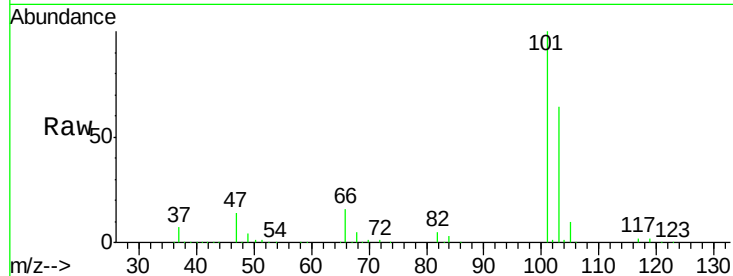
Trichlorofluoromethane
Concen: 81.921 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		715250		
103	63.6	53.6		80.4	

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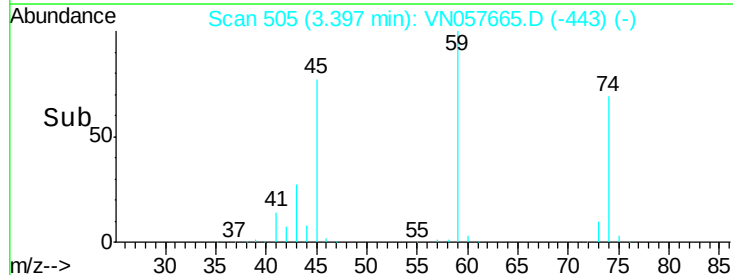
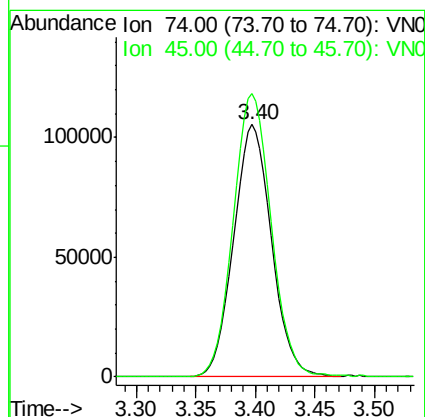
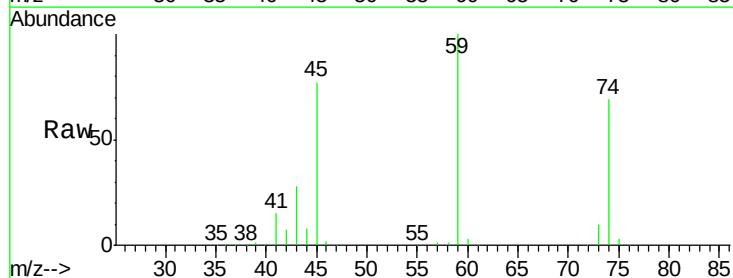
MMDadoda
9/5/2019 3:21:07 PM

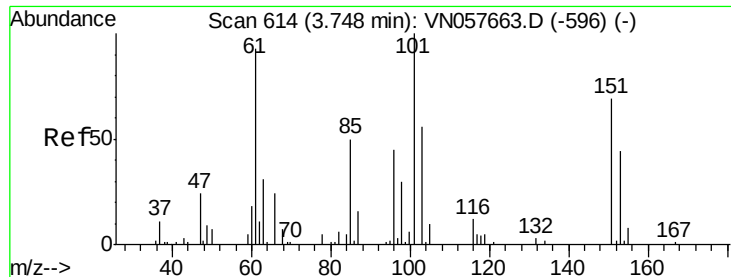


#8

Diethyl Ether
Concen: 82.181 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		232969		
45	112.6	22.9		205.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.306 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

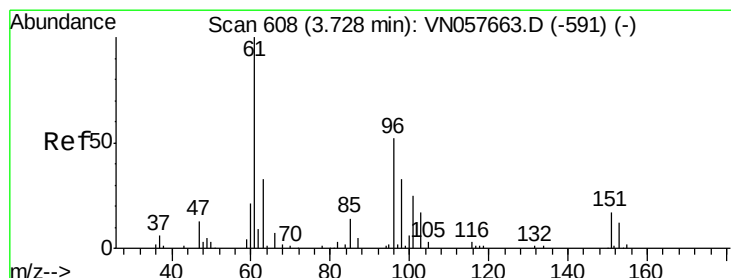
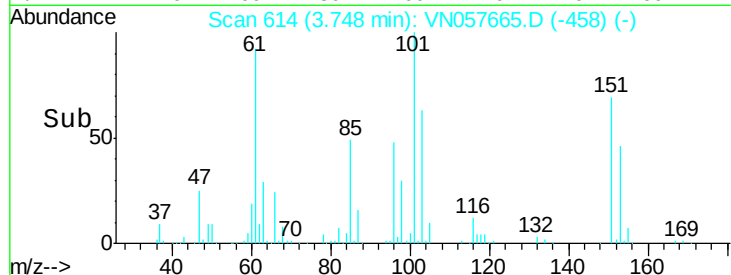
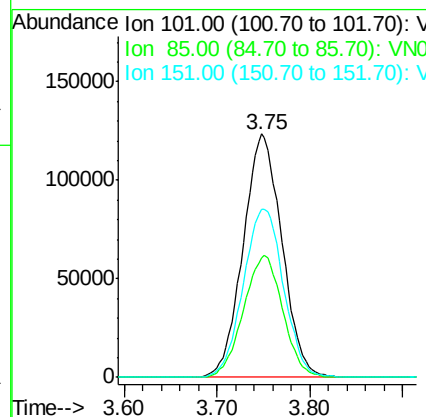
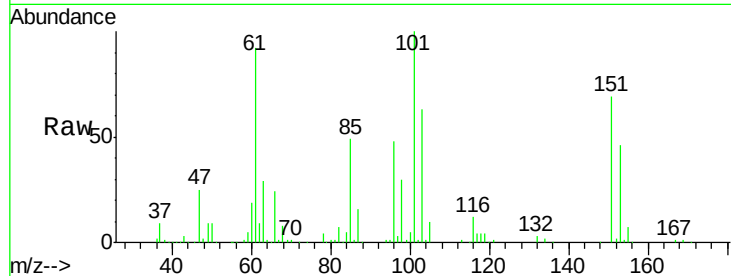
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	358462
Ion Ratio	Lower	Upper	
101	100		
85	50.6	0.0	100.2
151	71.9	0.0	140.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 70.597 ug/l

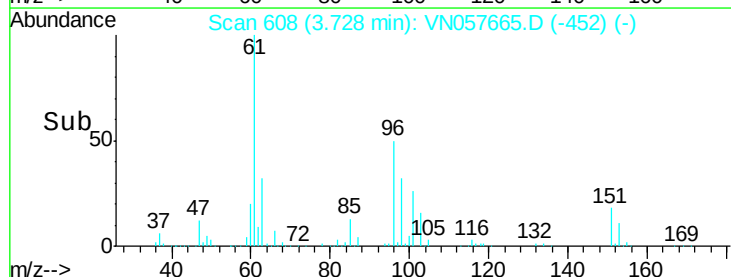
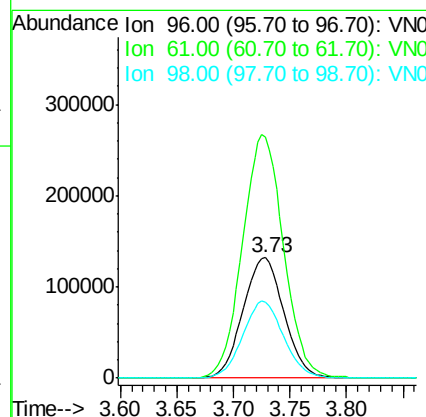
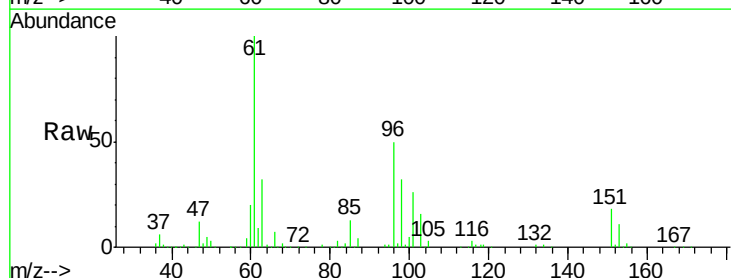
RT: 3.73 min Scan# 608

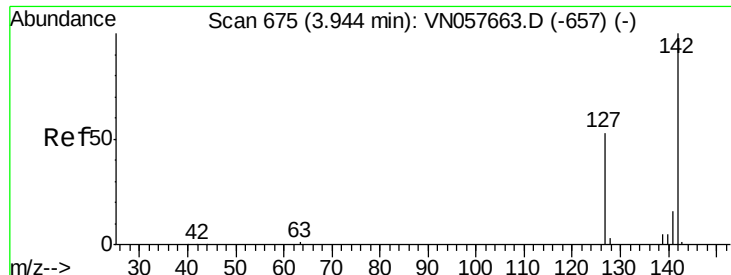
Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tgt Ion:	96	Resp:	333671
Ion Ratio	Lower	Upper	
96	100		
61	199.6	152.9	229.3
98	63.3	51.0	76.4





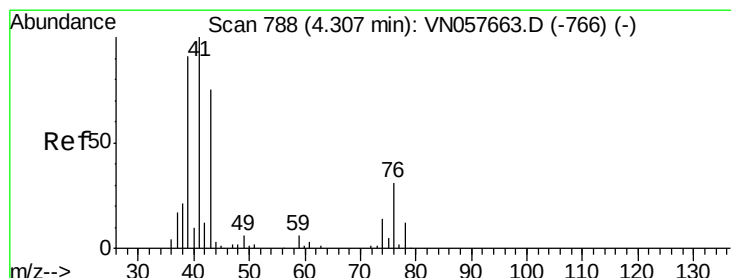
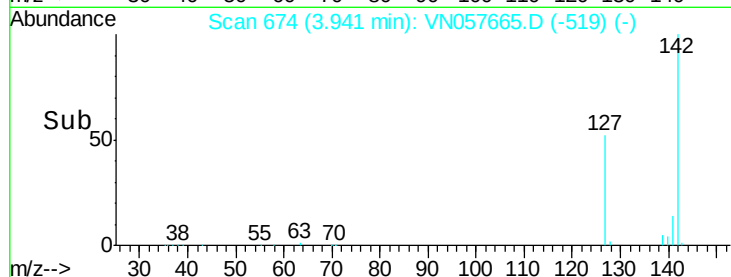
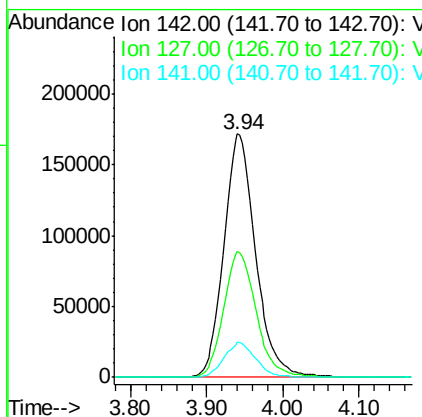
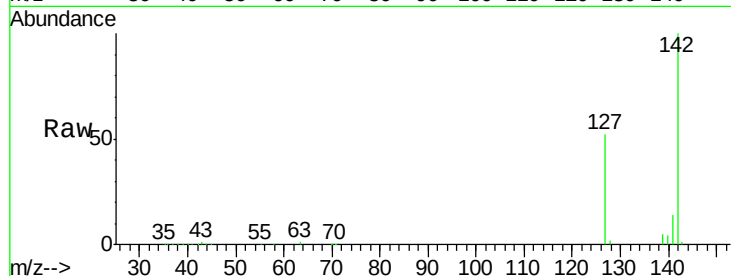
#11
Methvl Iodide
Concen: 63.024 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.6	26.2	78.5
141	14.1	7.6	22.9

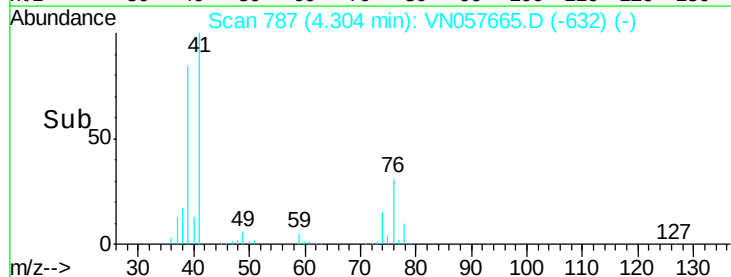
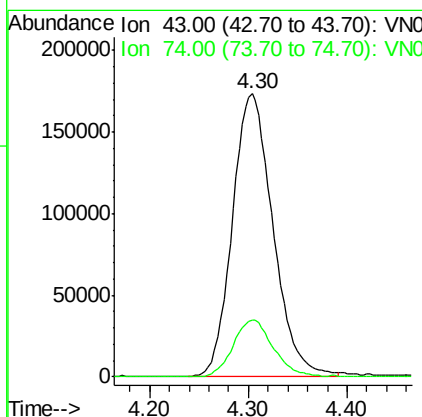
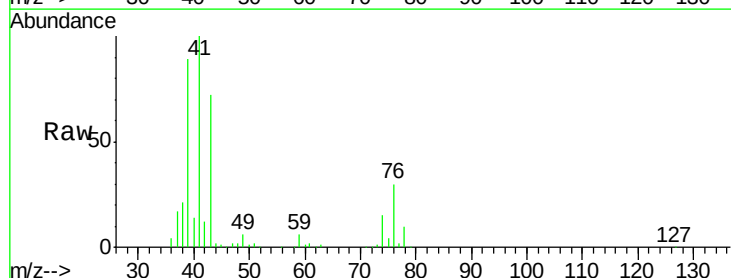
Manual Integrations
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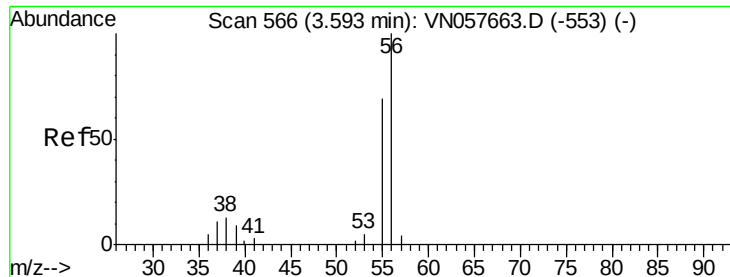
MMDadoda
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#12
Methyl Acetate
Concen: 152.742 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	14.6	22.0





#13

Acrolein

Concen: 407.295 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 139617

Ion Ratio Lower Upper

56 100

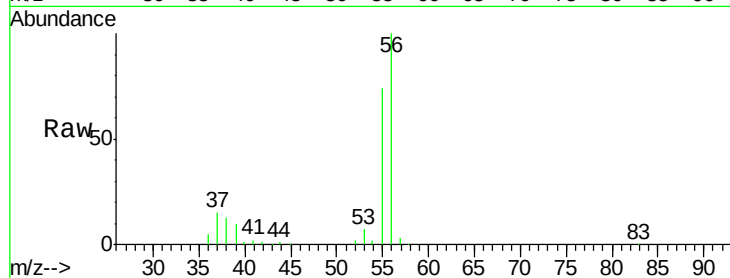
55 73.9 54.2 81.4

Manual Integrations

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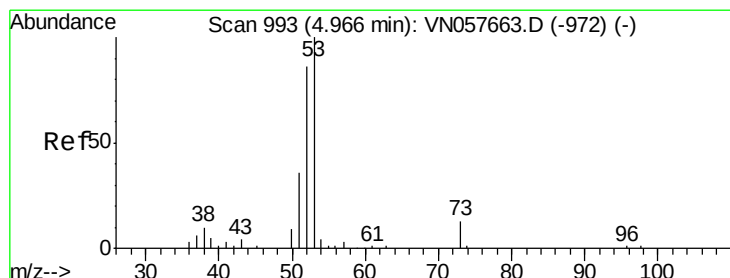
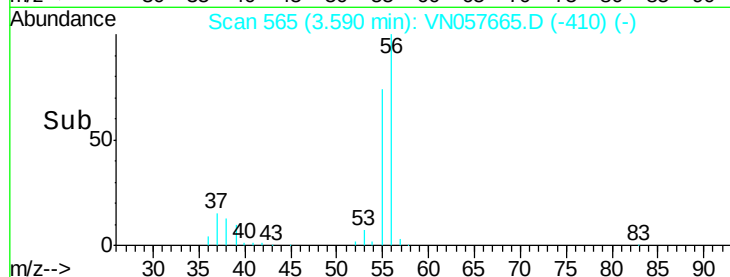
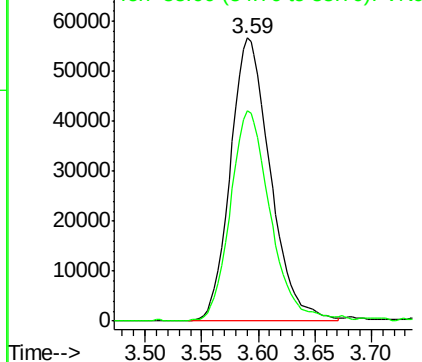
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 769.038 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

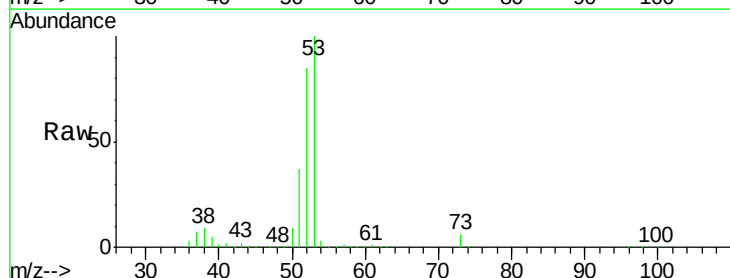
Tgt Ion: 53 Resp: 939559

Ion Ratio Lower Upper

53 100

52 83.2 41.9 125.7

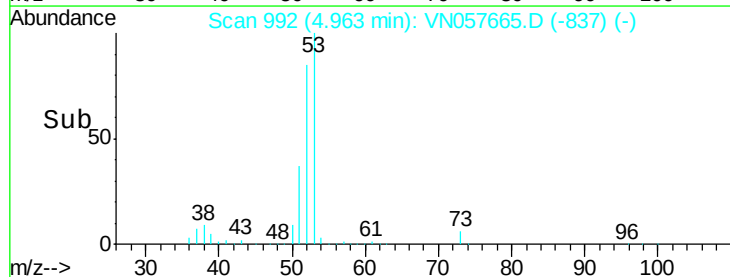
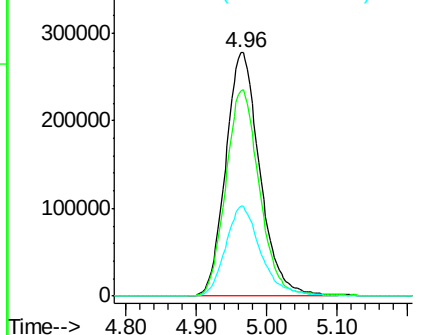
51 37.8 19.4 58.2

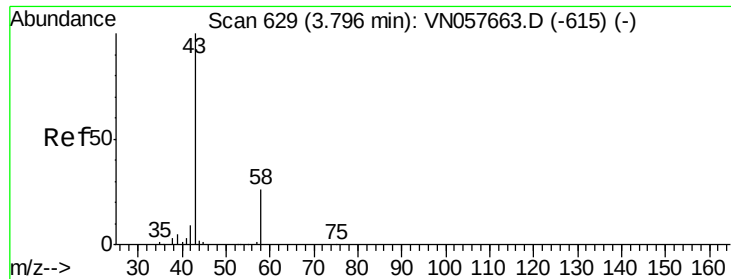


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





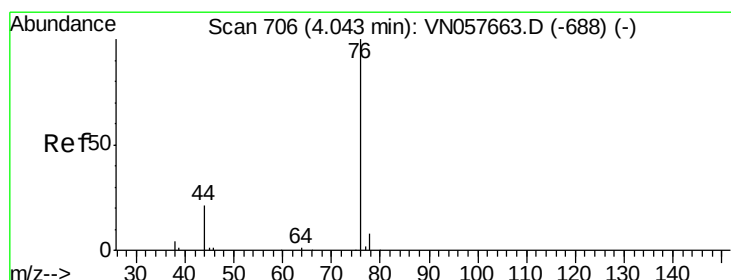
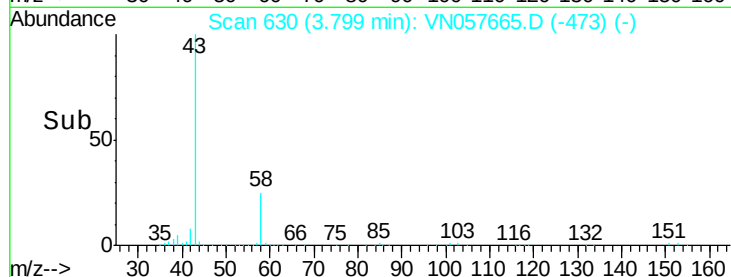
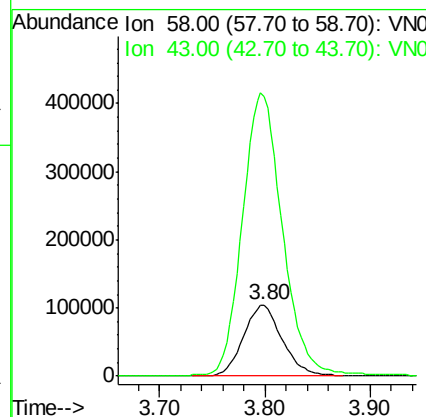
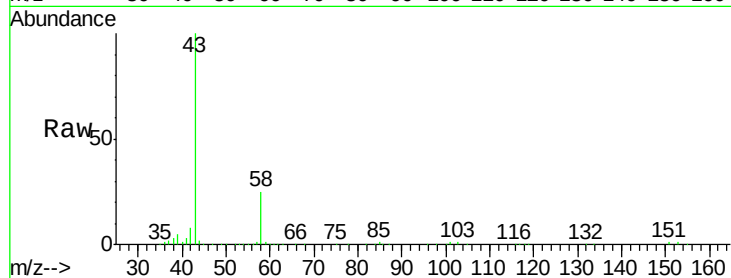
#15
Acetone
Concen: 482.742 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 58 Resp: 267327
Ion Ratio Lower Upper
58 100
43 392.7 308.8 463.2

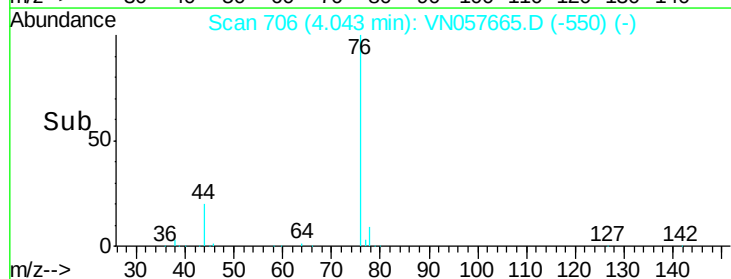
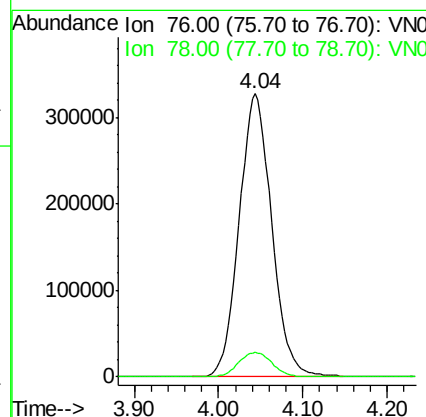
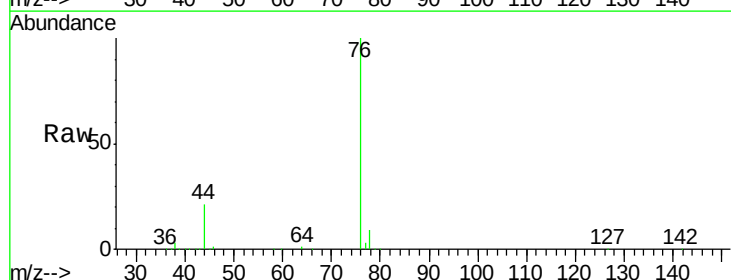
Manual Integrations
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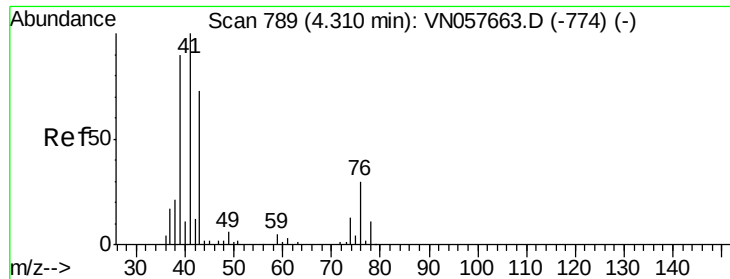
MMDadoda
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#16
Carbon Disulfide
Concen: 150.038 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion: 76 Resp: 880088
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2





#17

Allvl chloride

Concen: 181.750 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

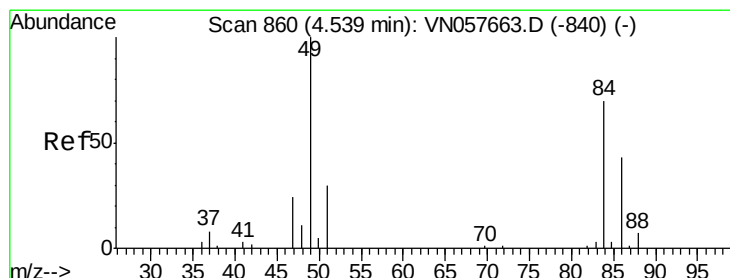
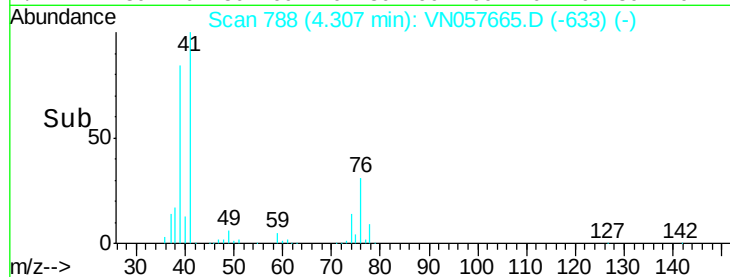
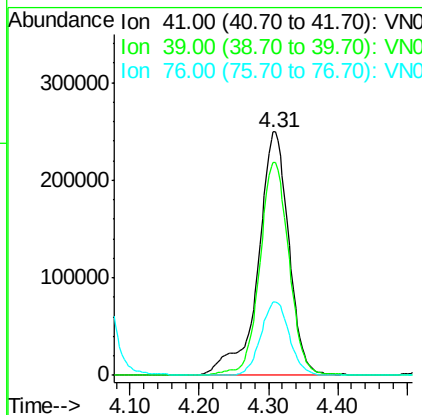
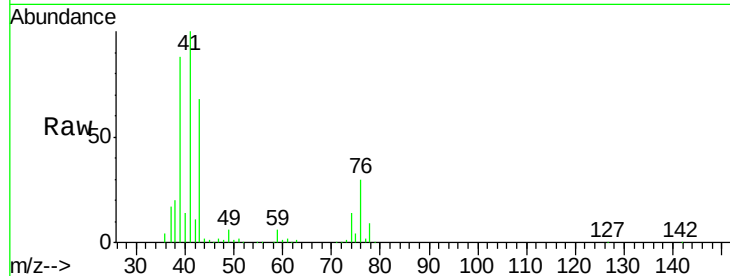
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	767773
Ion	Ratio	Lower	Upper
41	100		
39	87.5	43.0	128.8
76	30.0	14.2	42.8

Manual Integrations
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#18

Methylene Chloride

Concen: 129.586 ug/l

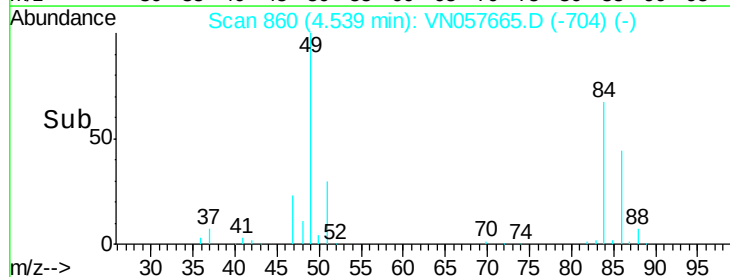
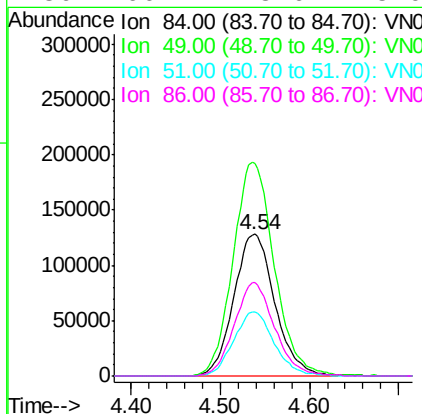
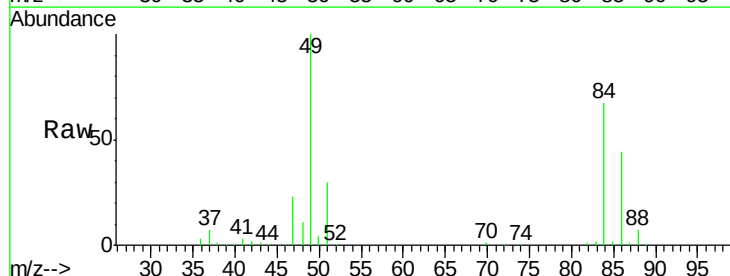
RT: 4.54 min Scan# 860

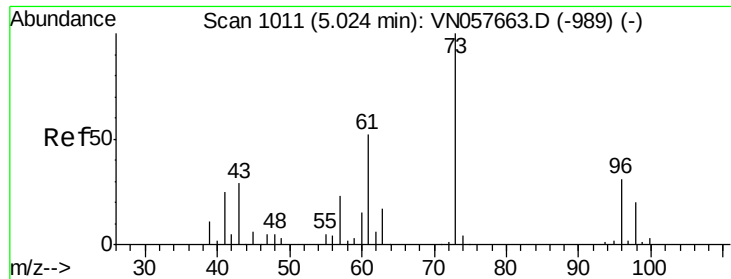
Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tgt Ion:	84	Resp:	409829
Ion	Ratio	Lower	Upper
84	100		
49	149.7	113.7	170.5
51	45.4	34.5	51.7
86	66.1	48.6	73.0





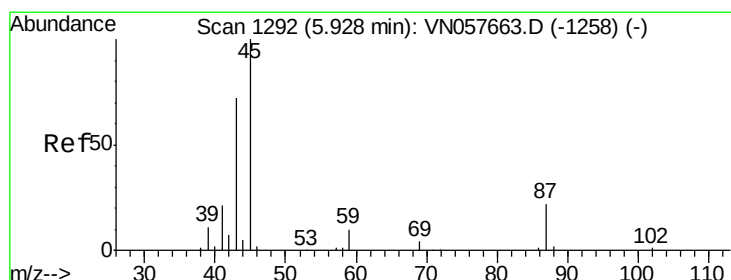
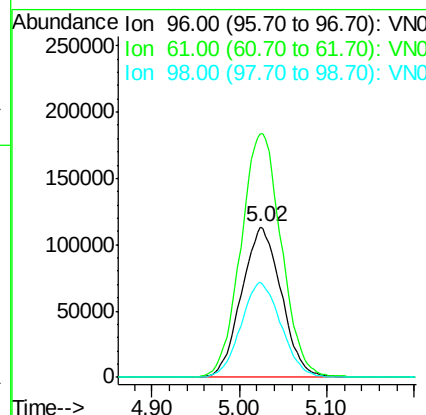
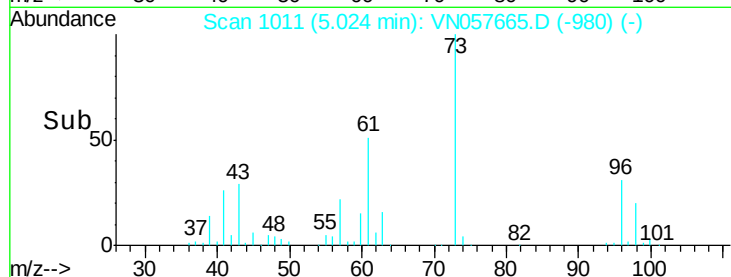
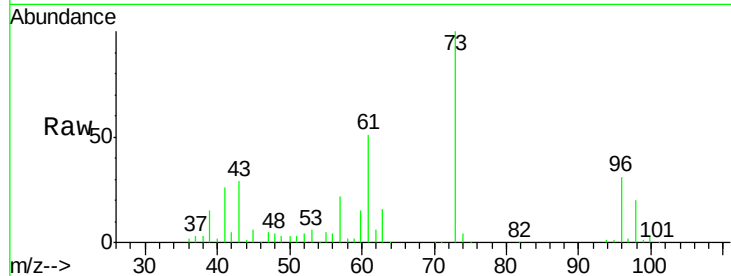
#19
trans-1,2-Dichloroethene
Concen: 117.077 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.1	133.4	200.0
98	63.3	50.4	75.6

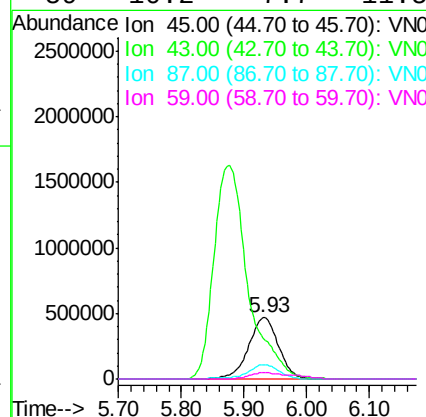
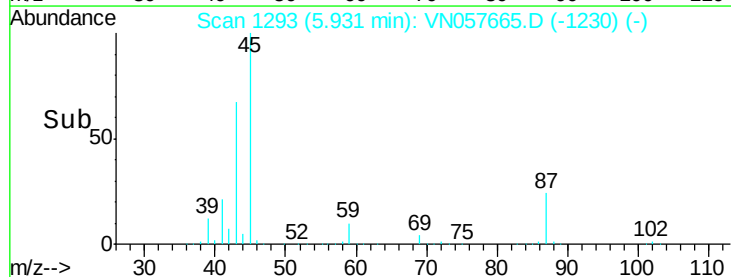
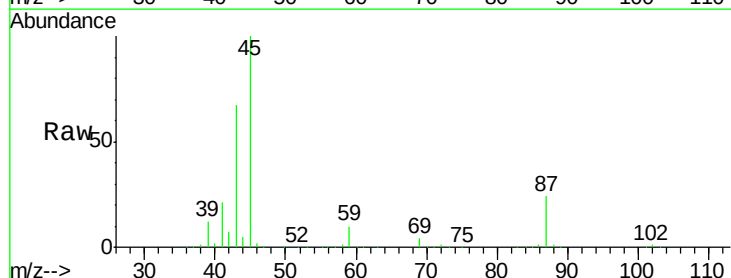
Manual Integrations
APPROVED

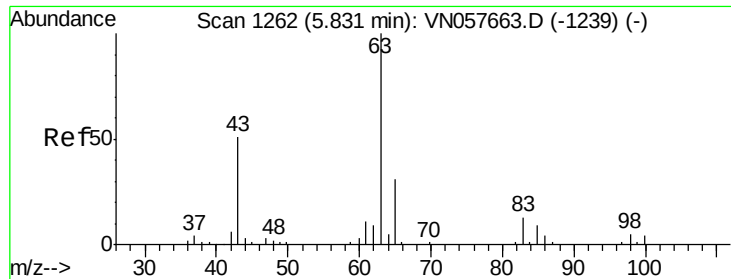
MMDadoda
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#20
Diisopropyl ether
Concen: 155.184 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	58.3	87.5
87	23.6	18.5	27.7
59	10.2	7.7	11.5





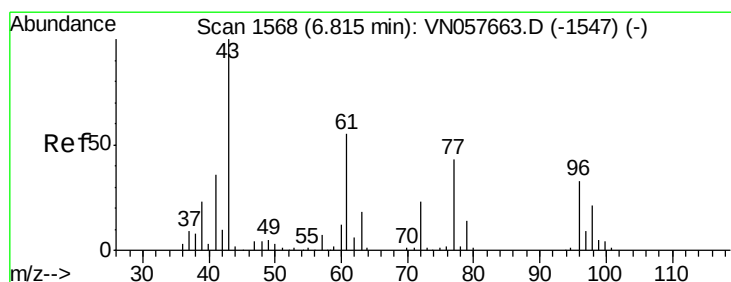
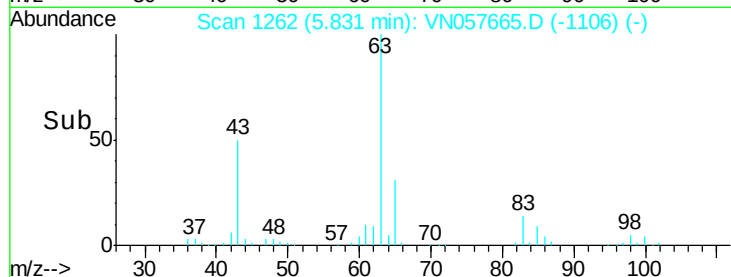
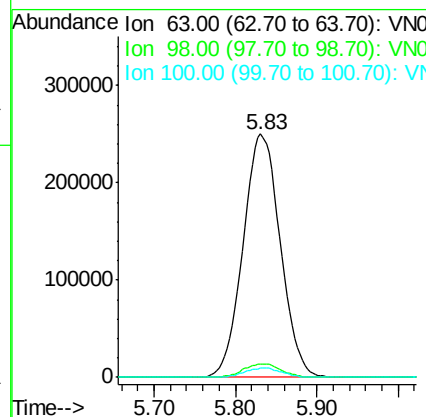
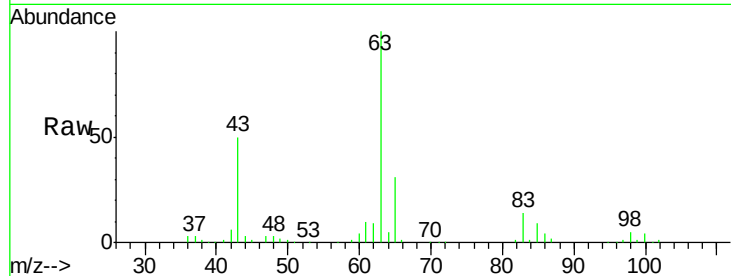
#21
 1,1-Dichloroethane
 Concen: 131.121 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	788971		
98	5.5		2.6	7.8
100	3.7		1.8	5.5

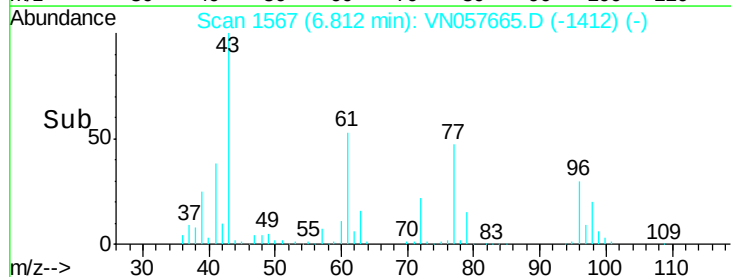
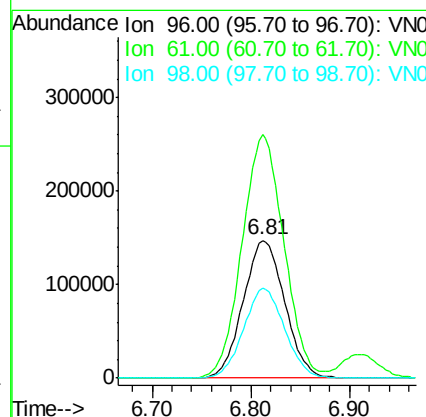
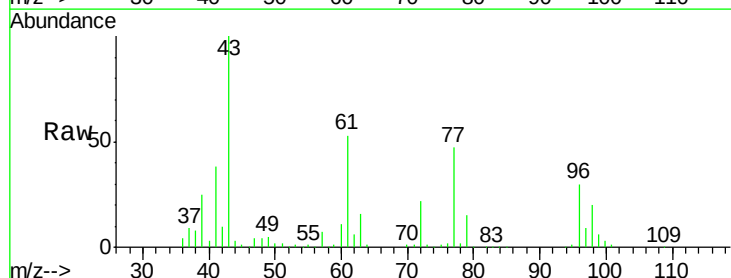
Manual Integrations
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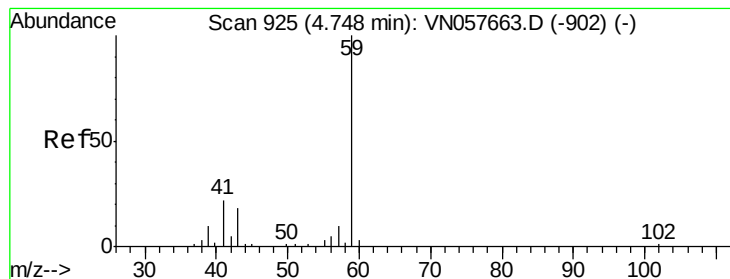
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 9/5/2019 3:21:07 PM



#22
 cis-1,2-Dichloroethene
 Concen: 106.538 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	429405		
61	177.9		137.2	205.8
98	64.5		50.5	75.7





#23

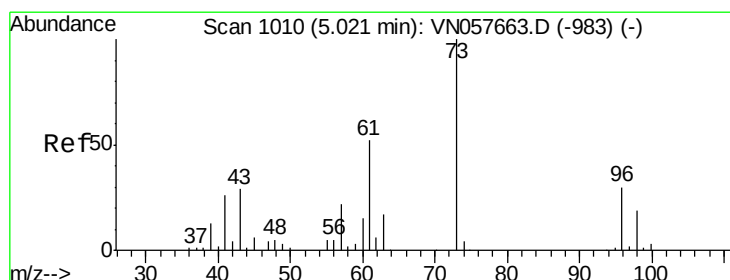
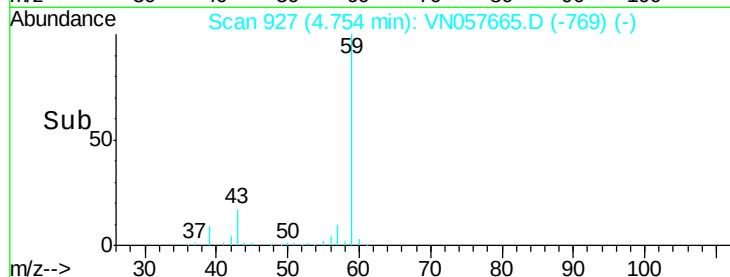
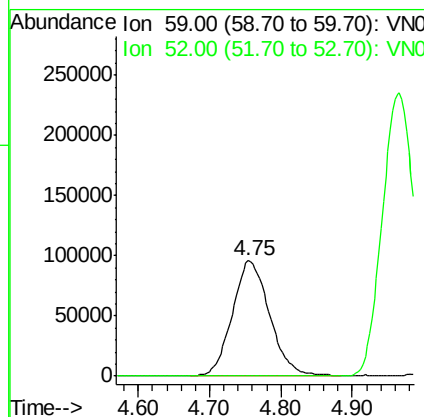
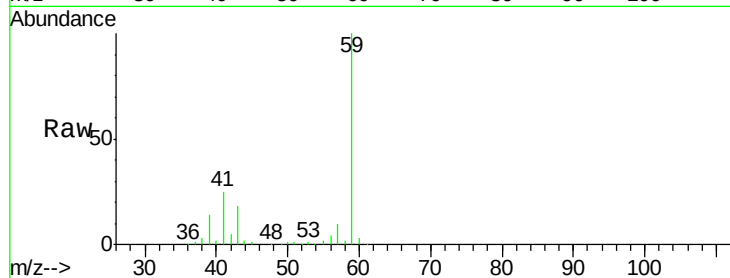
tert-Butyl Alcohol
 Concen: 786.252 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.0	0.0#

Manual Integrations
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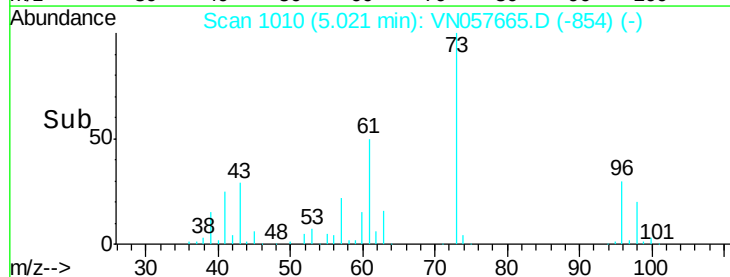
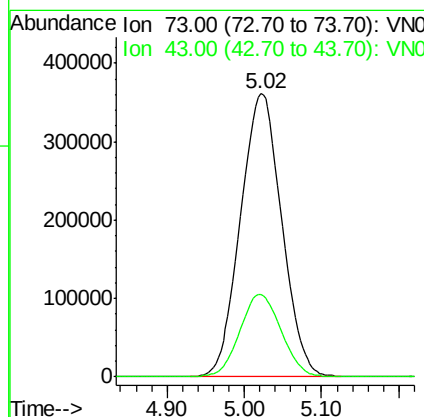
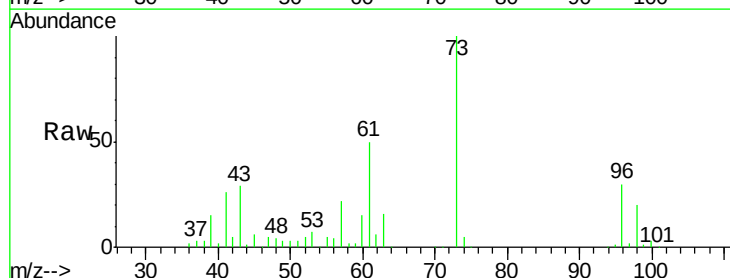
MMDadoda
 9/5/2019 3:21:07 PM

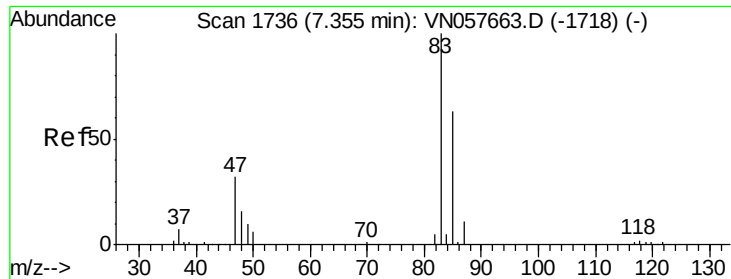


#24

Methyl tert-Butyl Ether
 Concen: 132.036 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	28.7	23.2	34.8





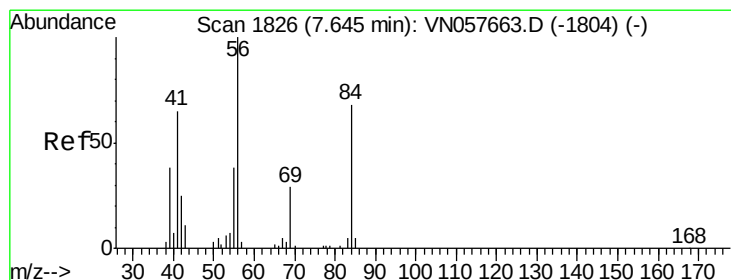
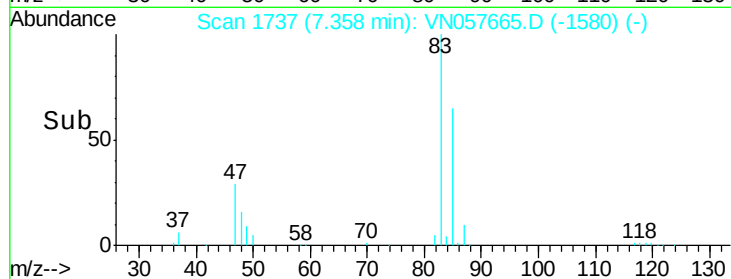
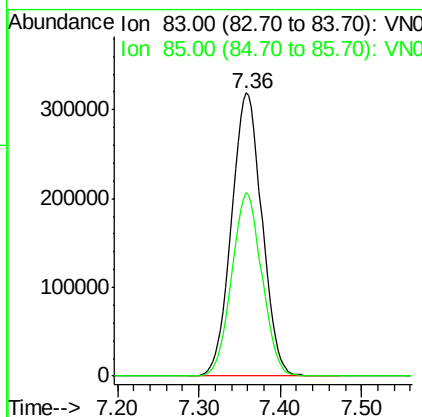
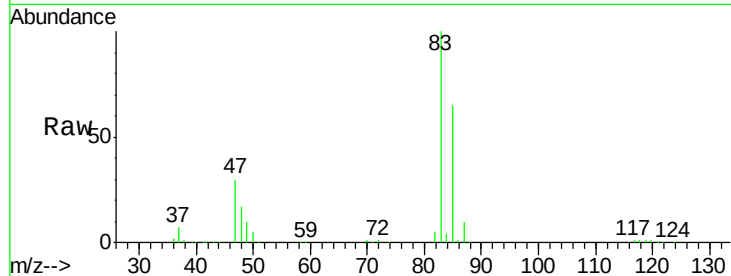
#25
Chloroform
Concen: 117.569 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	830539
Ion Ratio	100	Lower	Upper
85	64.7	50.8	76.2

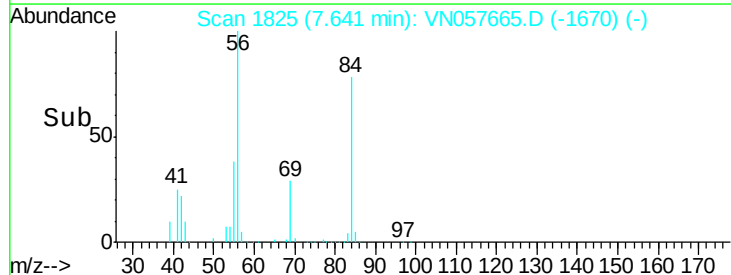
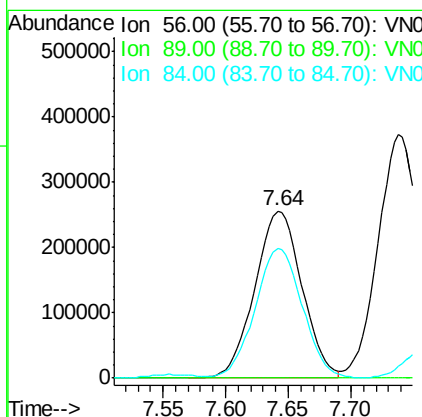
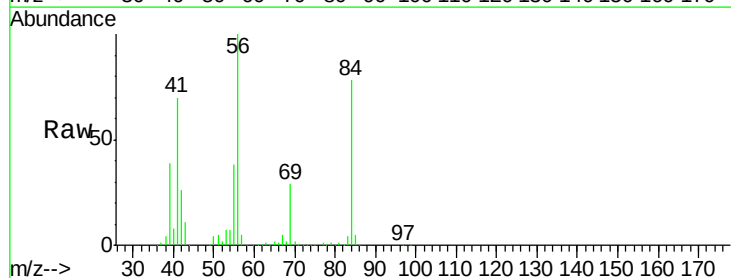
Manual Integrations
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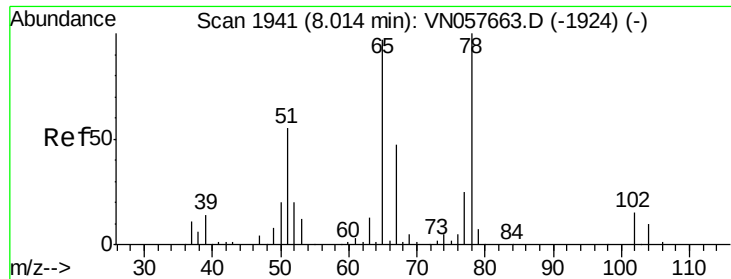
MMDadoda
9/5/2019 3:21:07 PM



#26
Cyclohexane
Concen: 133.568 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	56	Resp	670760
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0#
84	77.8	60.4	90.6





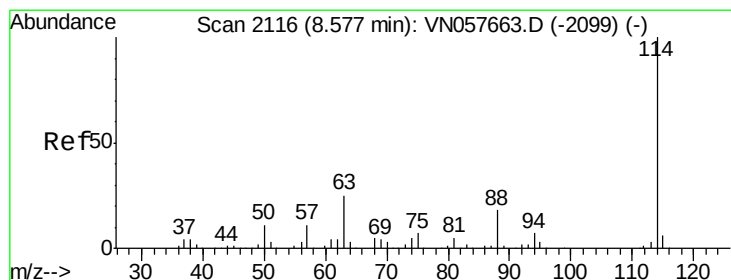
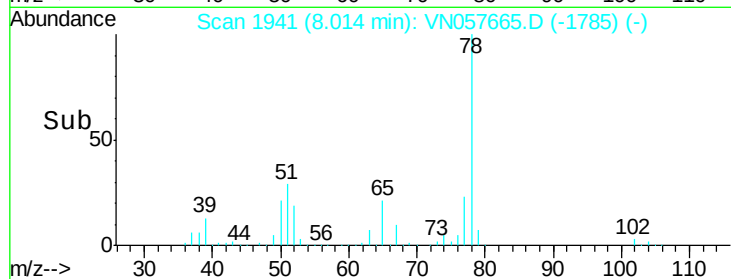
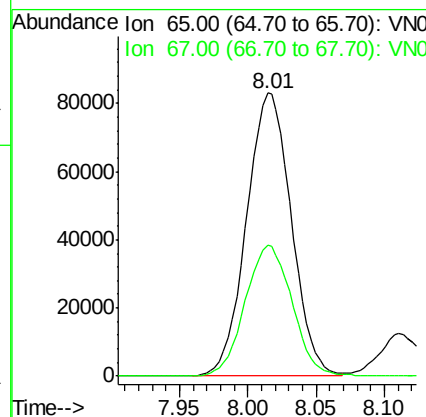
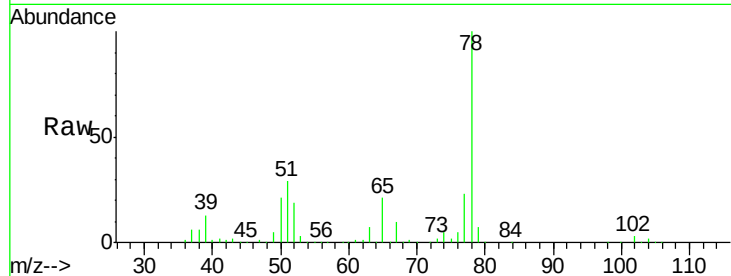
#27
 1,2-Dichloroethane-d4
 Concen: 38.970 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.5	38.6	57.8

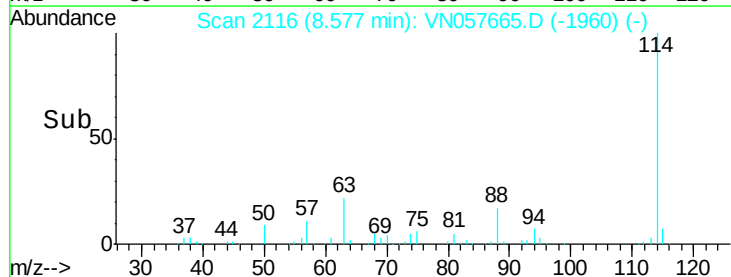
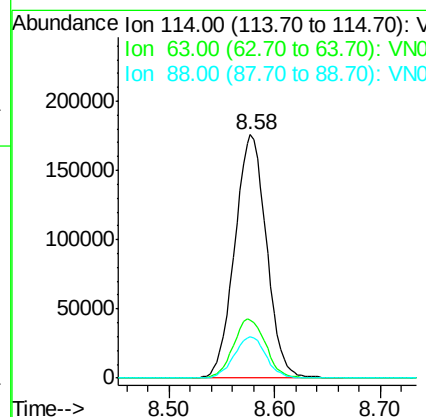
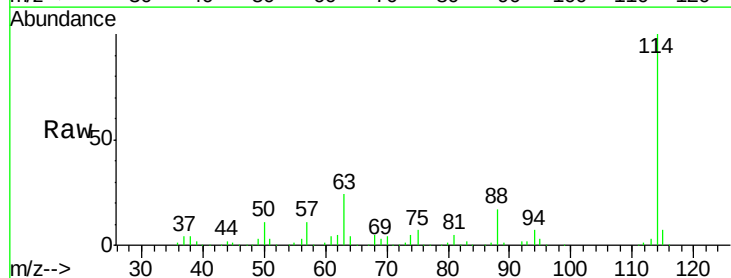
Manual Integrations
 APPROVED

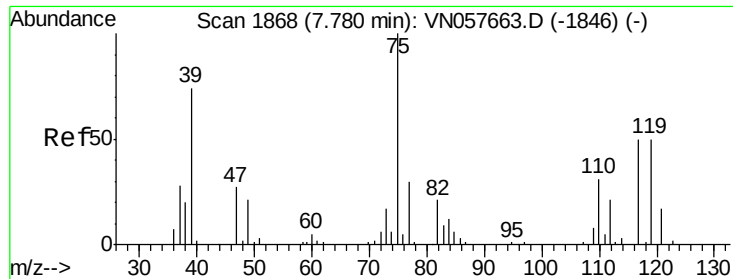
MMDadoda
 9/5/2019 3:21:07 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.6	30.8
88	17.1	14.3	21.5





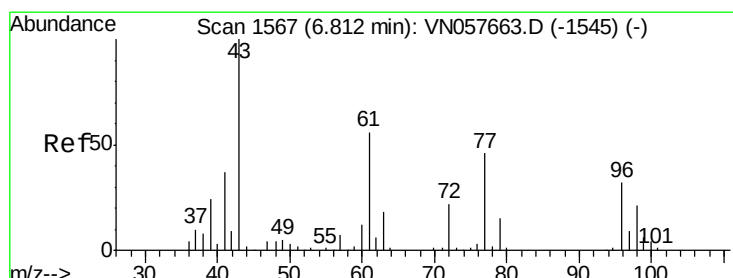
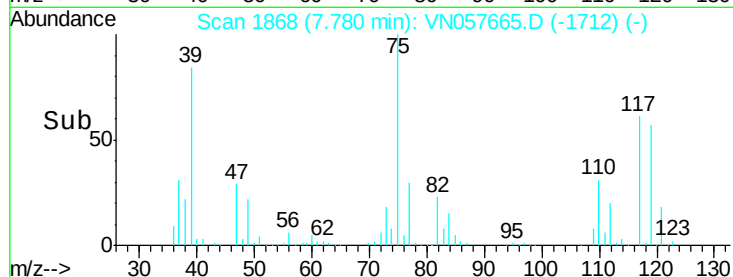
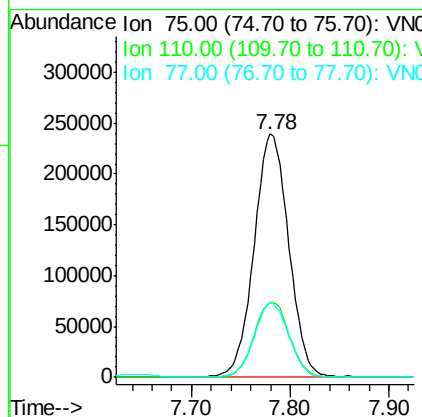
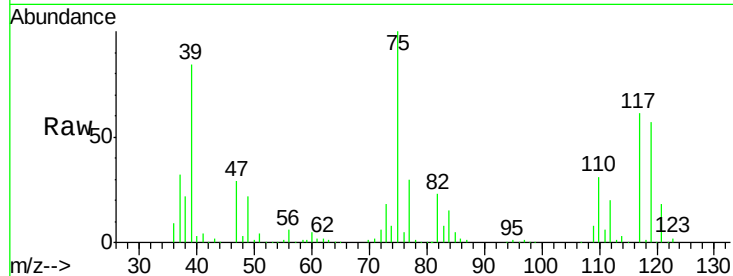
#29
 1,1-Dichloropropene
 Concen: 113.810 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.5	0.0	62.8	
77	30.6	0.0	57.8	

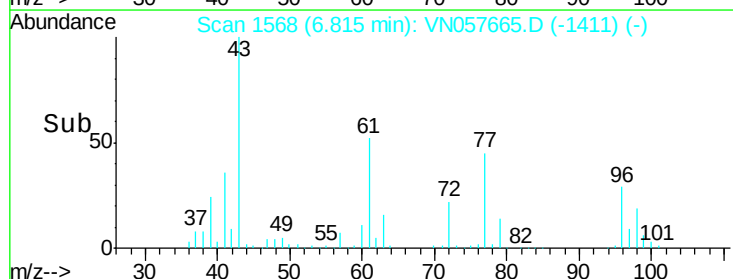
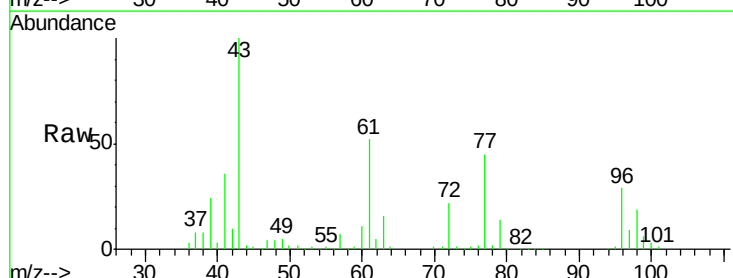
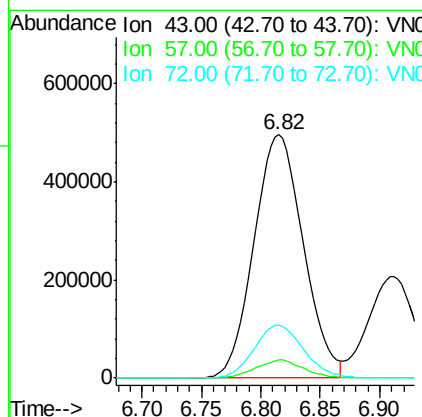
Manual Integrations
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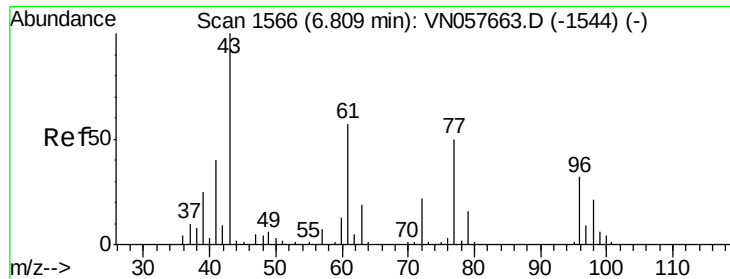
MMDadoda
 9/5/2019 3:21:07 PM



#30
 2-Butanone
 Concen: 793.439 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.3	2.6	3.8#	
72	21.9	18.1	27.1	





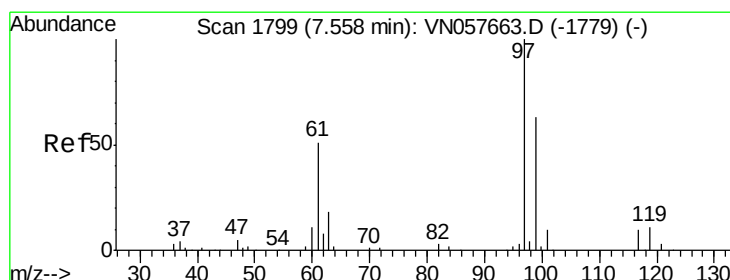
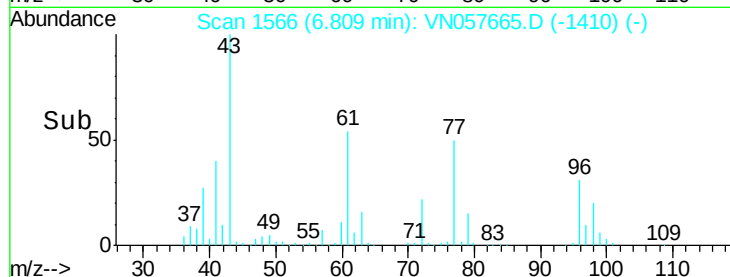
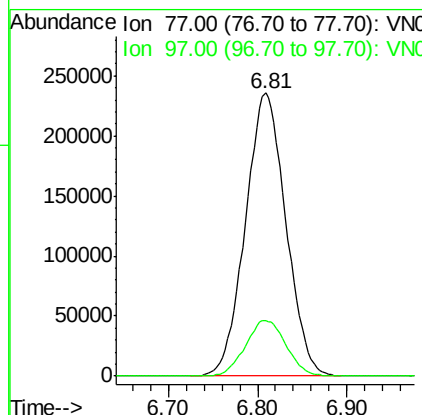
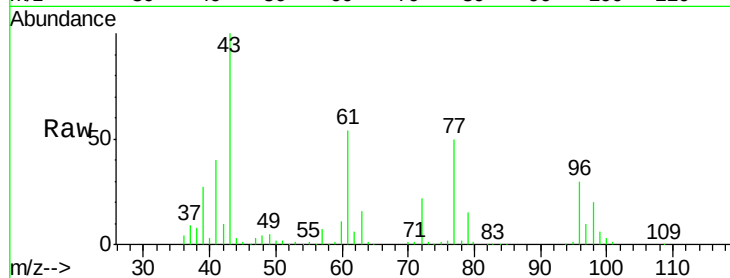
#31
 2,2-Dichloropropane
 Concen: 121.855 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
77	100		
97	19.9	8.8	13.2#

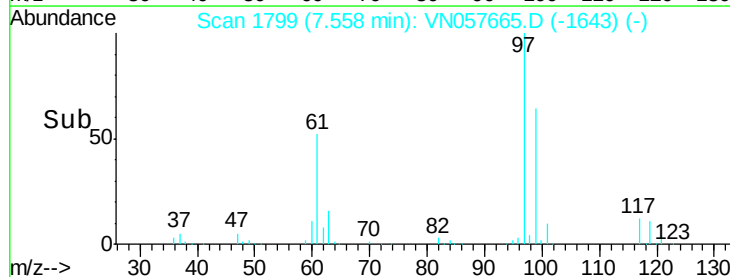
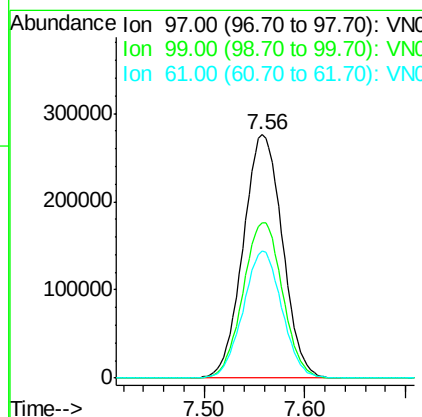
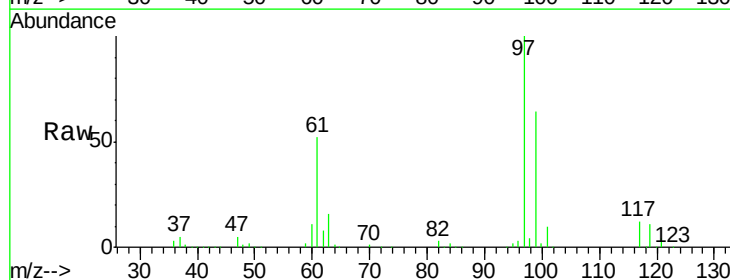
Manual Integrations
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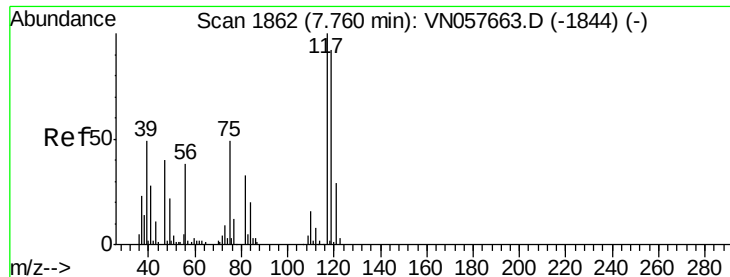
MMDadoda
 9/5/2019 3:21:07 PM



#32
 1,1,1-Trichloroethane
 Concen: 111.529 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	51.4	41.4	62.0





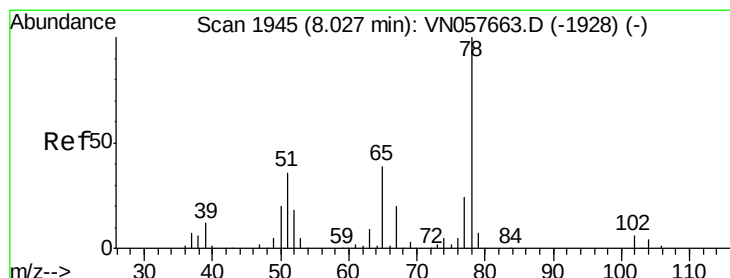
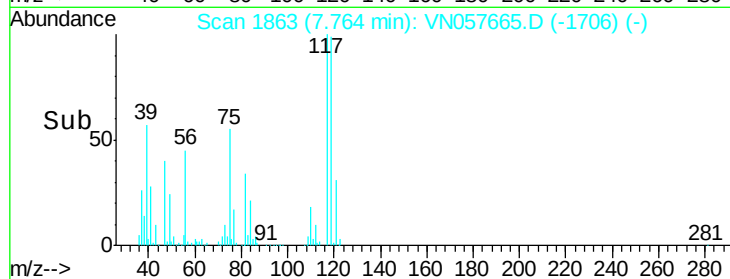
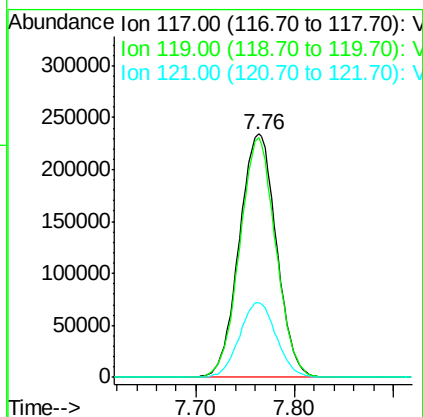
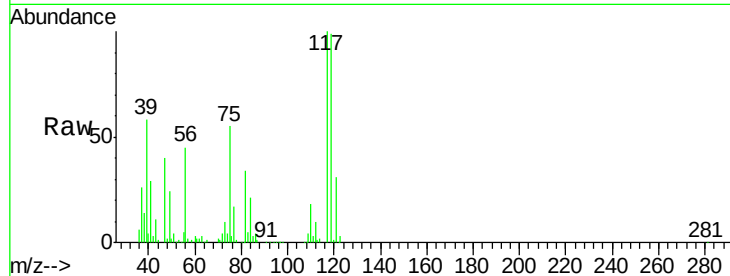
#33
Carbon Tetrachloride
Concen: 108.375 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.6	73.3	109.9
121	30.8	23.3	34.9

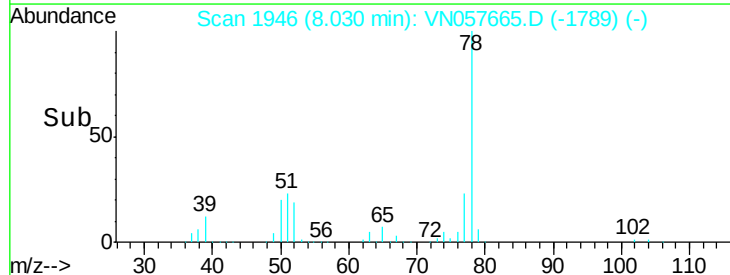
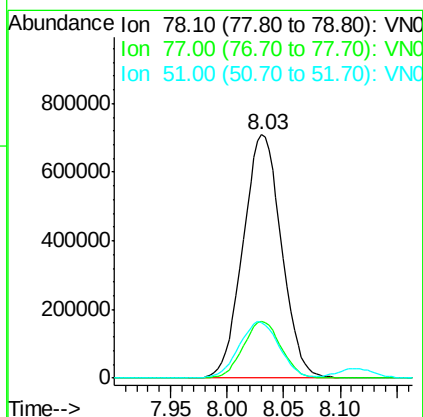
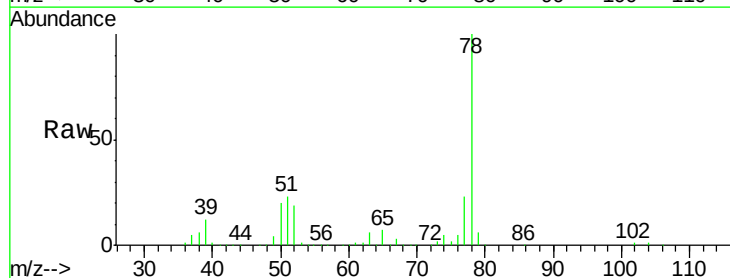
Manual Integrations
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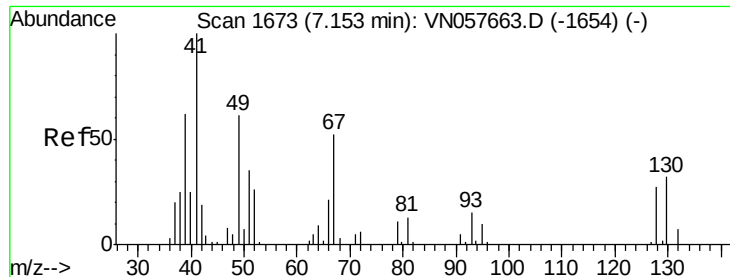
MMDadoda
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#34
Benzene
Concen: 110.829 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2
51	22.8	29.0	43.6#





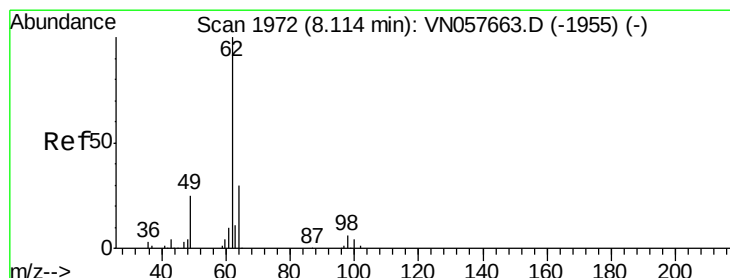
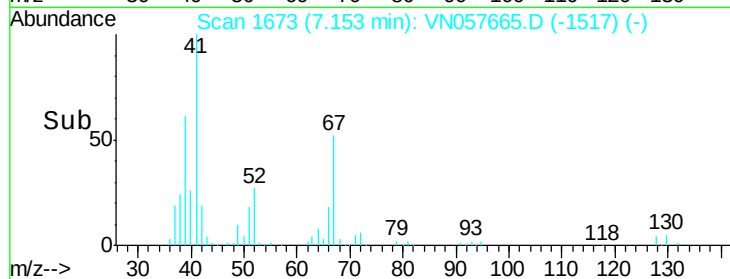
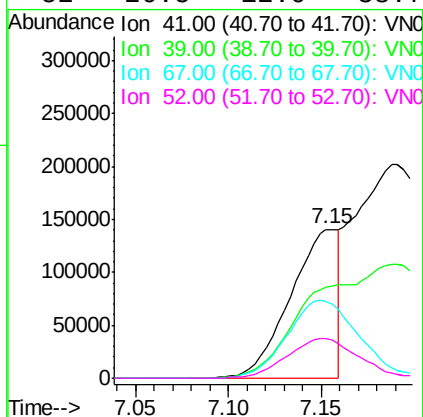
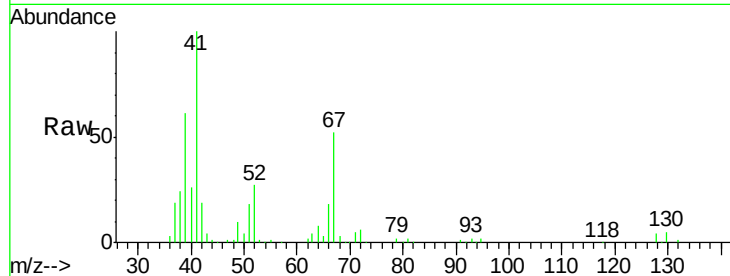
#35
Methacrylonitrile
Concen: 147.749 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		253467		
39	60.6	31.0	93.0		
67	51.8	25.9	77.7		
52	26.5	12.9	38.7		

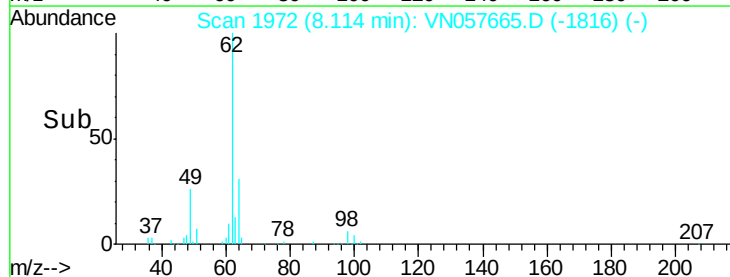
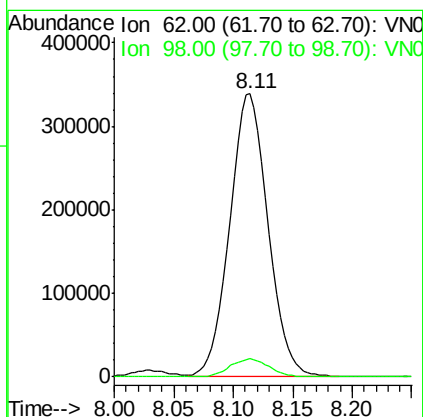
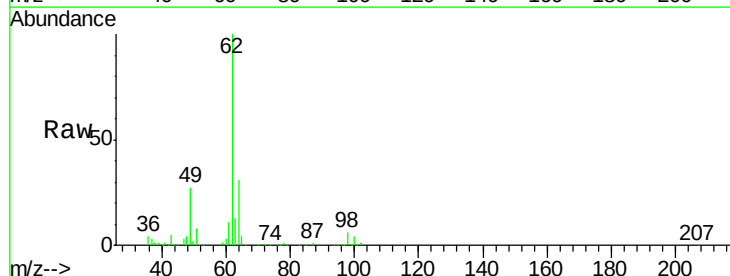
Manual Integrations
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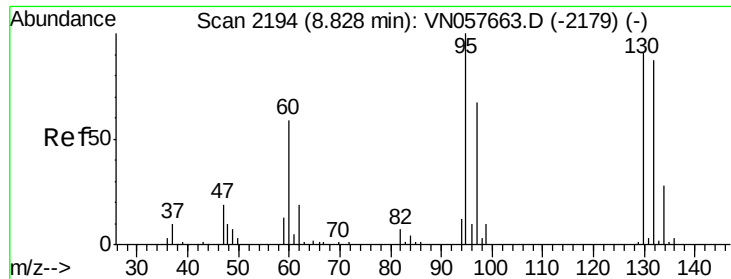
MMDadoda
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#36
1,2-Dichloroethane
Concen: 130.683 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		752377		
98	6.5	0.0	0.0#		





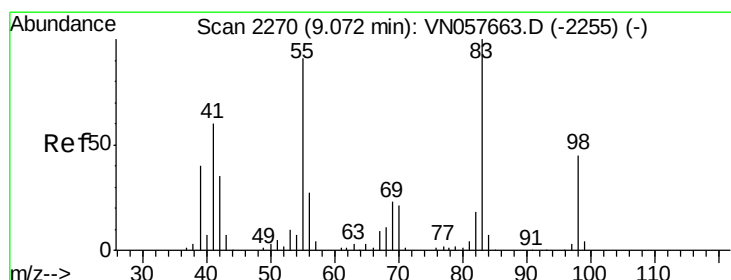
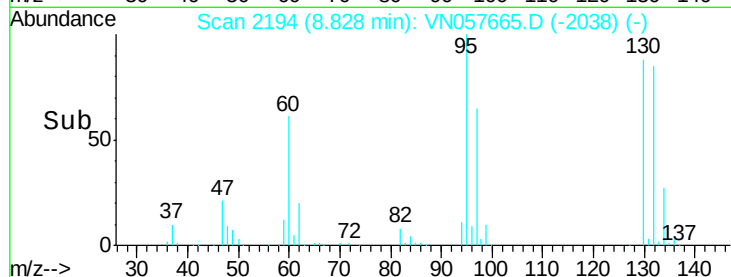
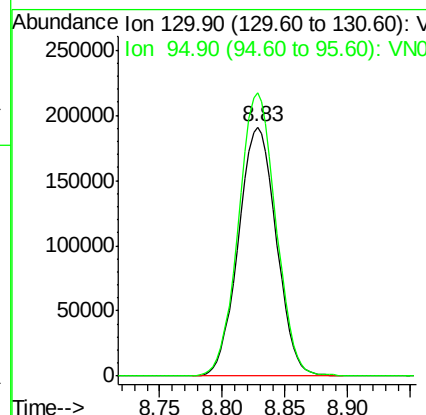
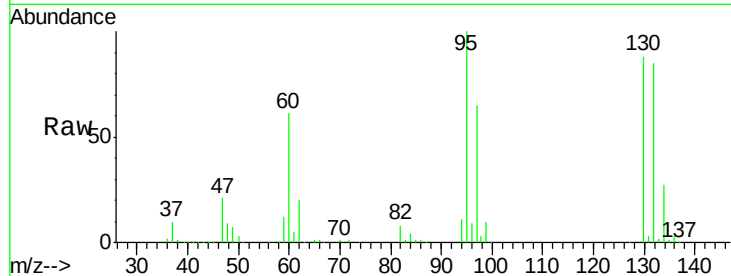
#37
 Trichloroethene
 Concen: 95.377 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
130	100	401381		
95	113.5	87.5	131.3	

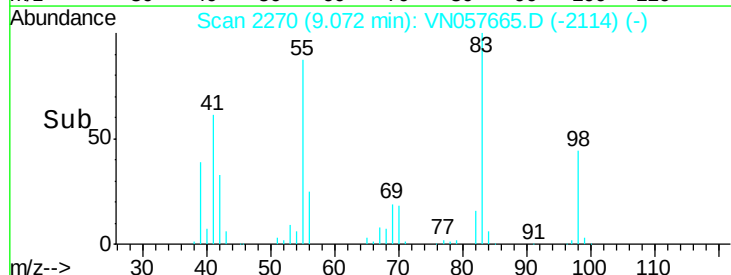
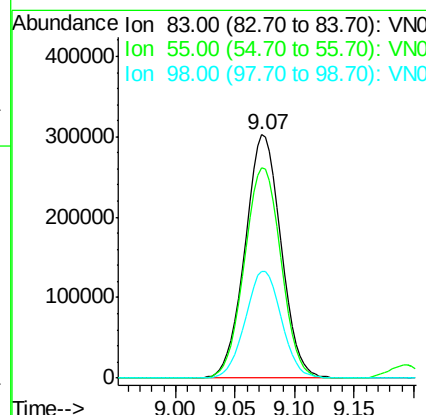
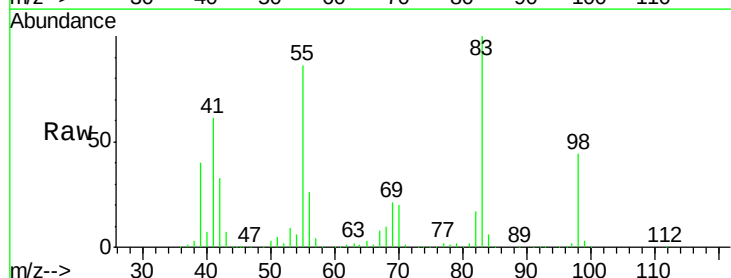
Manual Integrations
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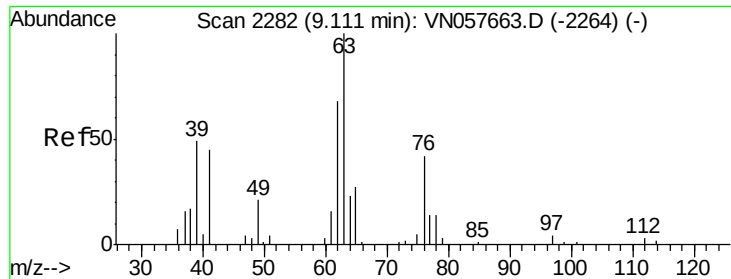
MMDadoda
 9/5/2019 3:21:07 PM



#38
 Methylcyclohexane
 Concen: 105.278 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	635801		
55	87.7	45.1	135.3	
98	44.2	22.5	67.5	





#39

1,2-Dichloropropane

Concen: 119.407 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 454121

Ion Ratio Lower Upper

63 100

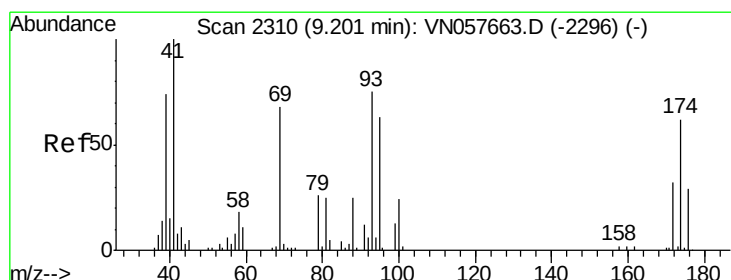
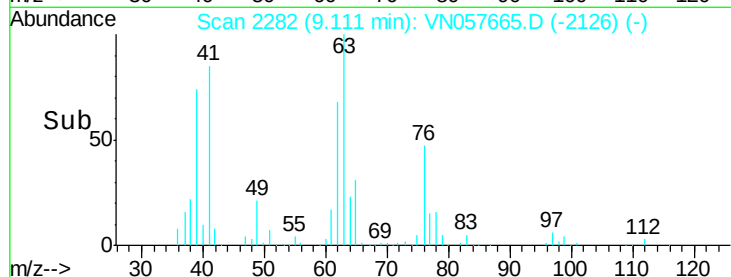
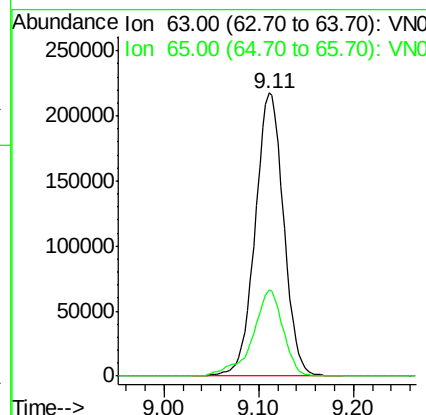
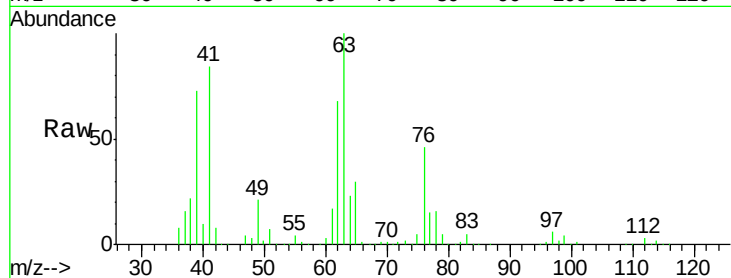
65 30.4 22.2 33.2

Manual Integrations

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#40

Dibromomethane

Concen: 107.532 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

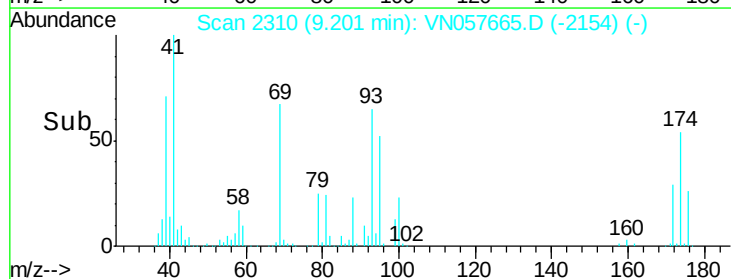
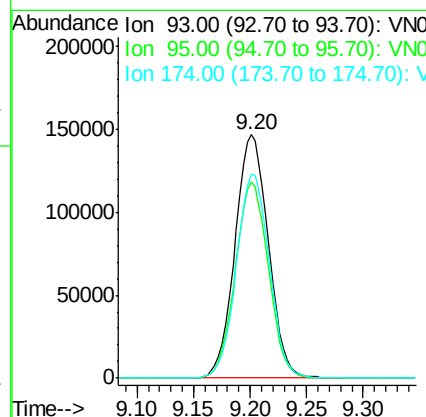
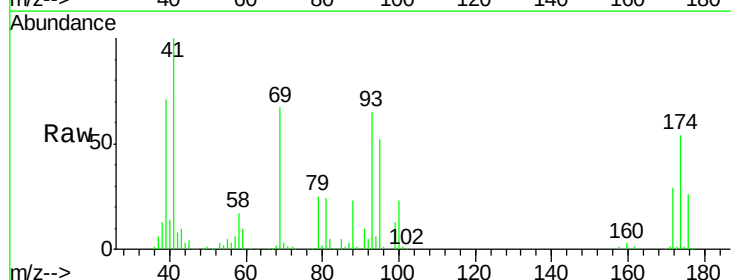
Tgt Ion: 93 Resp: 300966

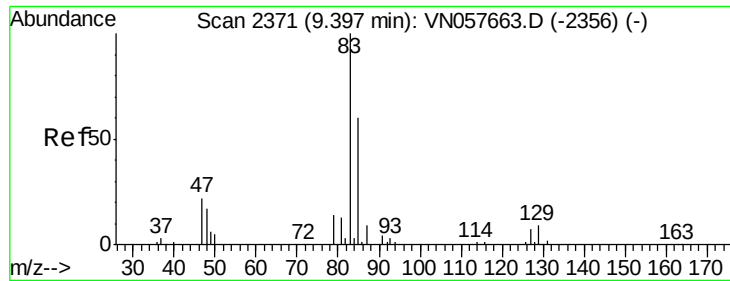
Ion Ratio Lower Upper

93 100

95 80.1 0.0 168.2

174 83.0 0.0 169.2





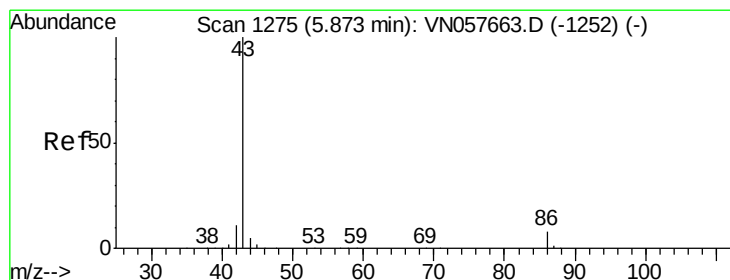
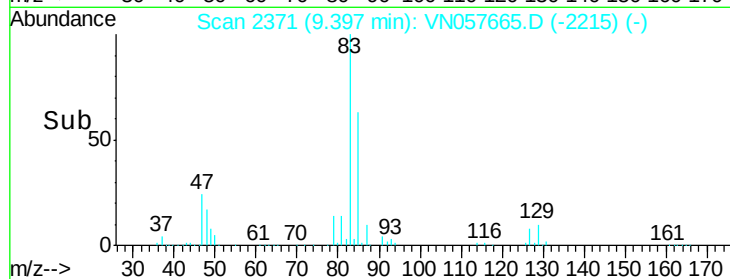
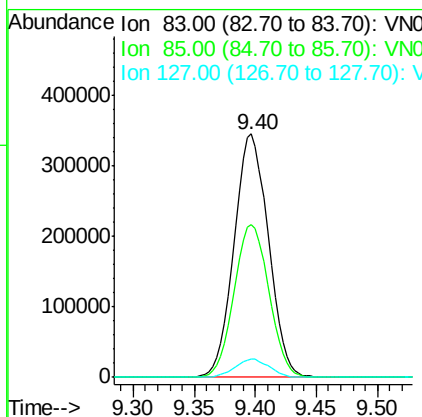
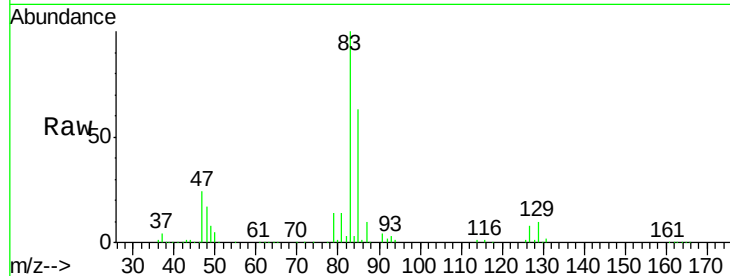
#41
Bromodichloromethane
Concen: 116.556 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	674424
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	48.2	72.4
127	7.6	5.3	7.9

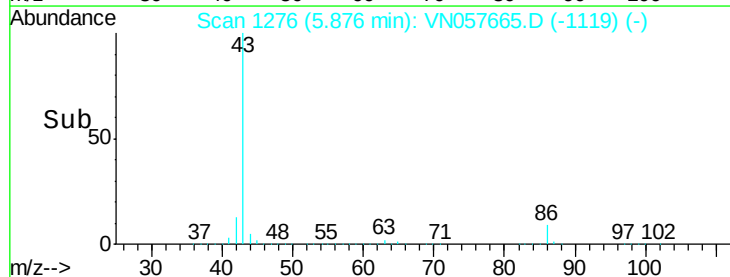
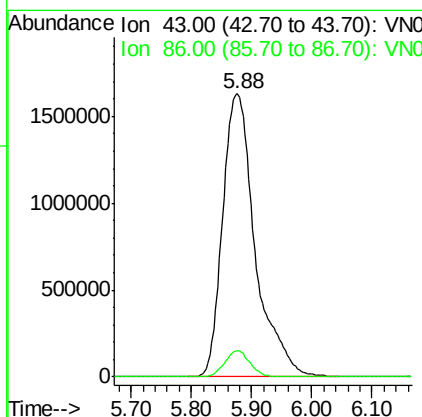
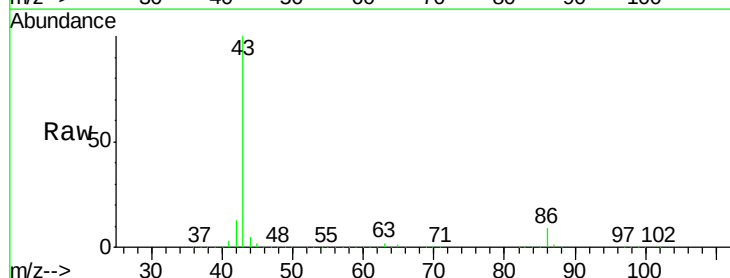
Manual Integrations
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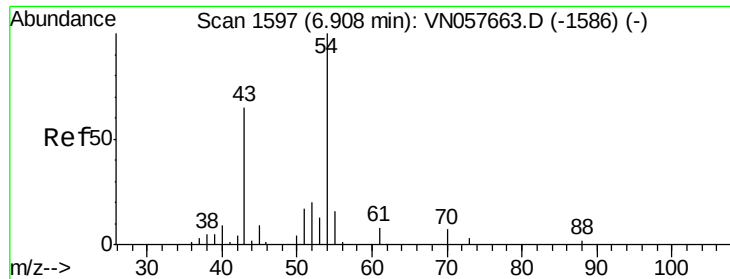
MMDadoda
9/5/2019 3:21:07 PM



#42
Vinyl Acetate
Concen: 760.675 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	43	Resp	6120014
Ion Ratio	100	Lower	Upper
43	100		
86	7.3	5.4	8.2





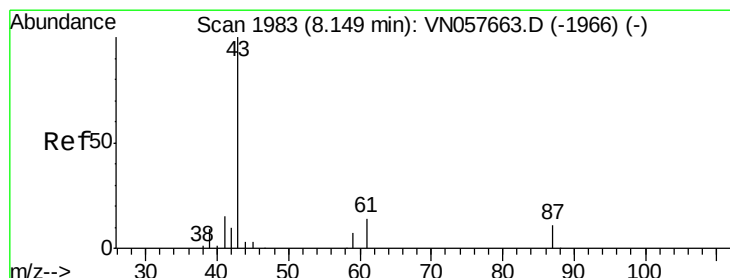
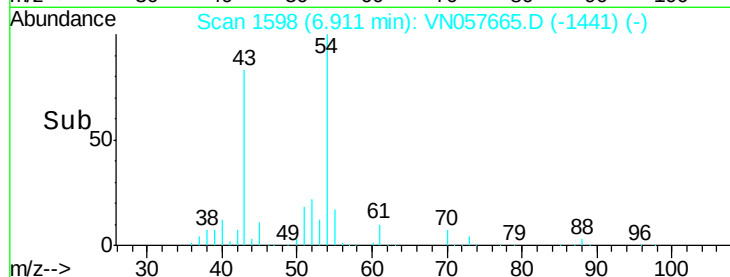
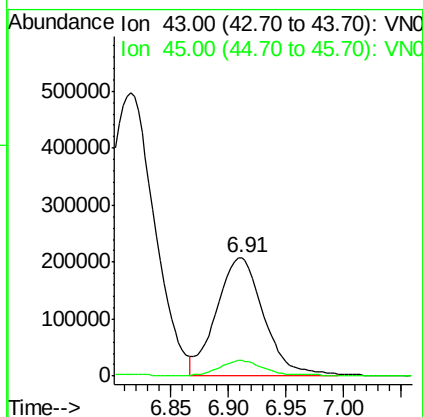
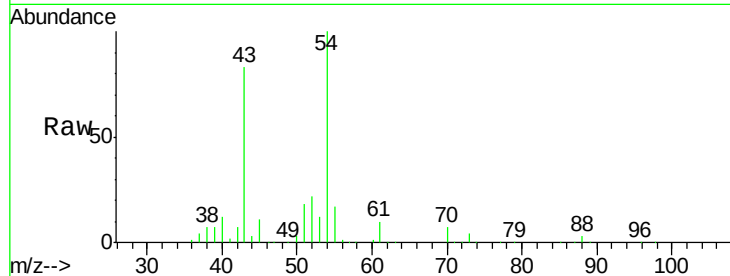
#43
Ethyl Acetate
Concen: 171.694 ug/l m
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 597925
Ion Ratio Lower Upper
43 100
45 0.0 5.0 7.6#

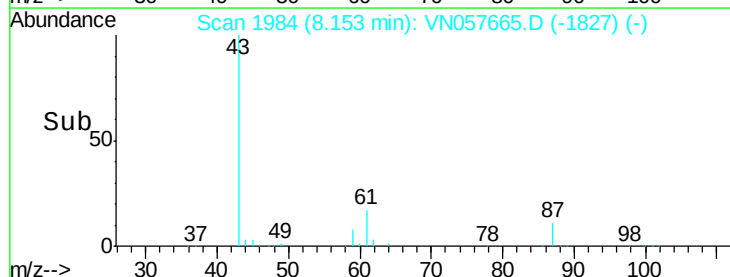
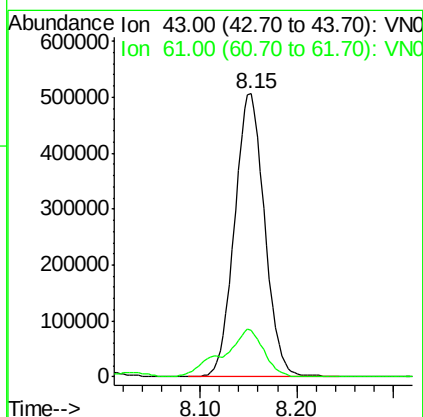
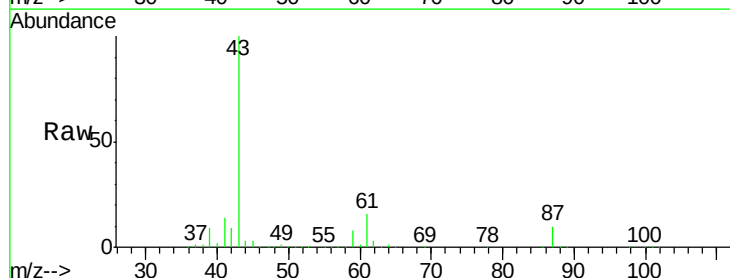
Manual Integrations
APPROVED

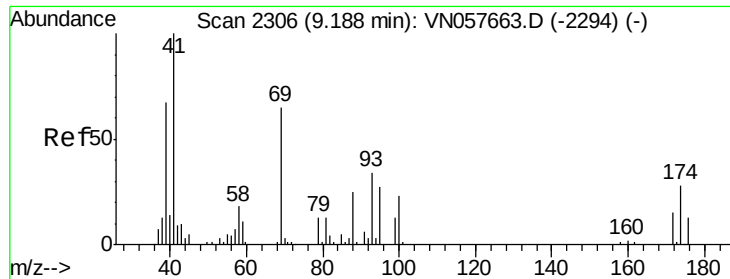
MMDadoda
9/5/2019 3:21:07 PM



#44
Isopropyl Acetate
Concen: 157.224 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion: 43 Resp: 1091204
Ion Ratio Lower Upper
43 100
61 17.1 12.6 18.8





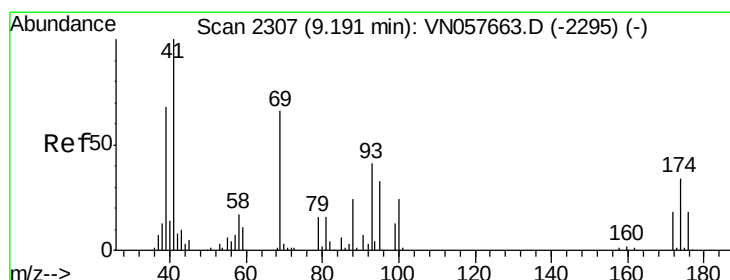
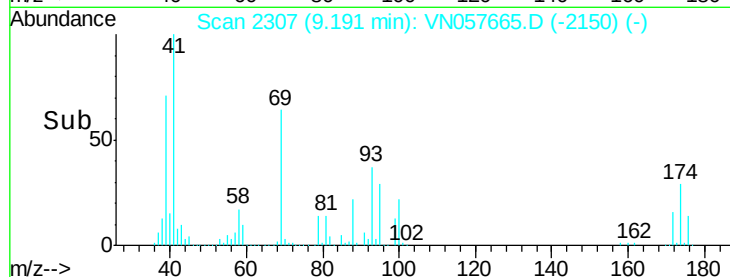
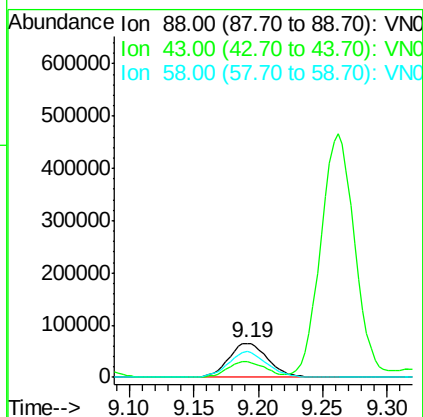
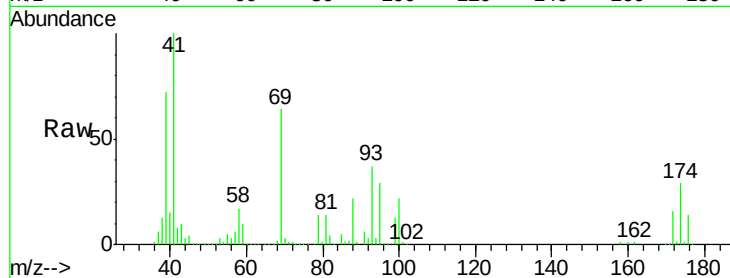
#45
1,4-Dioxane
Concen: 2486.206 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	43.5	31.0	46.4	
58	73.9	58.2	87.2	

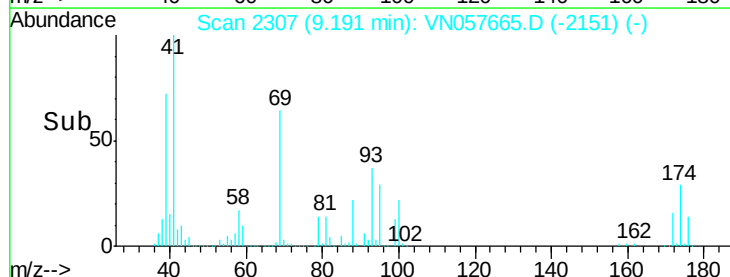
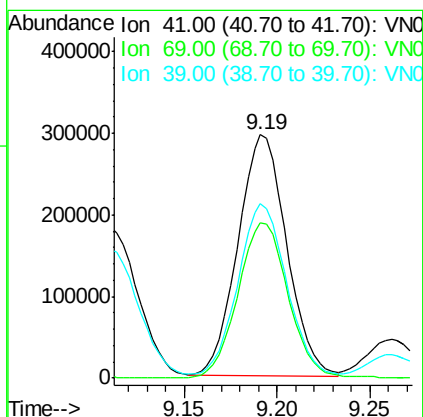
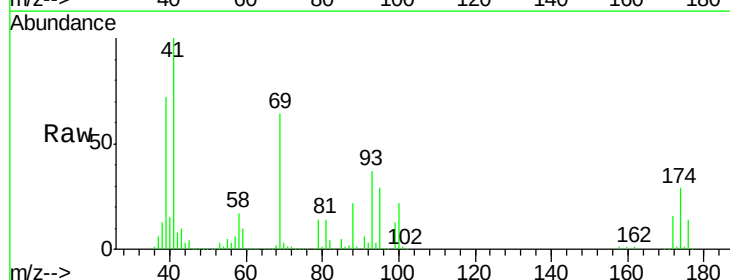
Manual Integrations
APPROVED

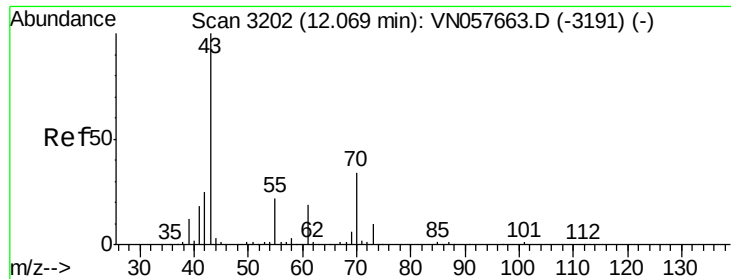
MMDadoda
9/5/2019 3:21:07 PM



#46
Methyl methacrylate
Concen: 167.305 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	64.4	33.1	99.2	
39	71.0	34.0	102.0	





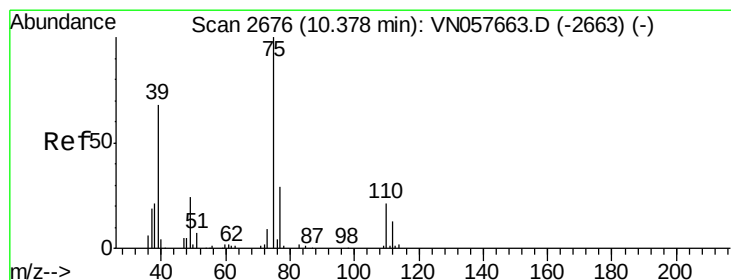
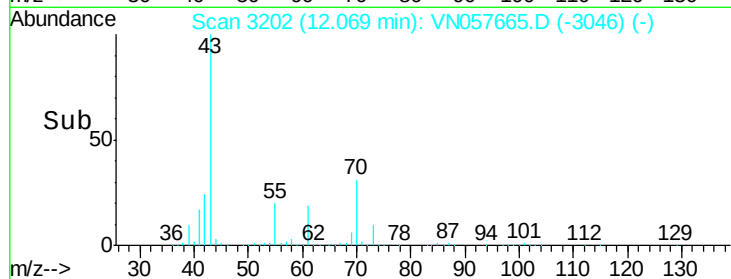
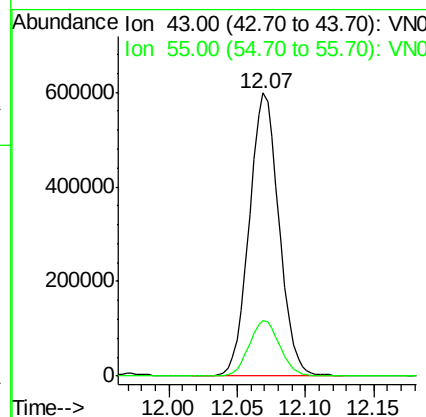
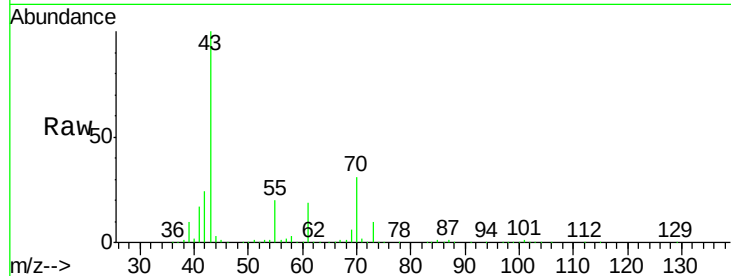
#47
n-amvl Acetate
Concen: 163.771 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
55	20.2	17.5	26.3

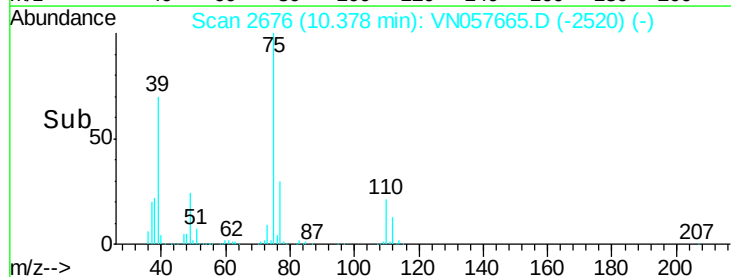
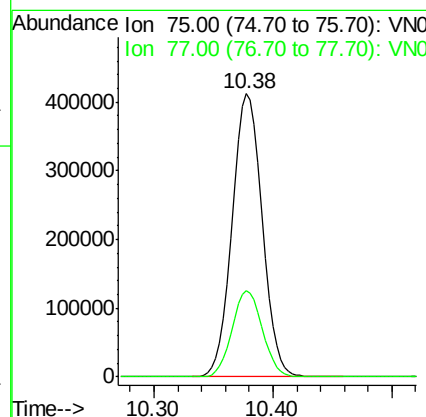
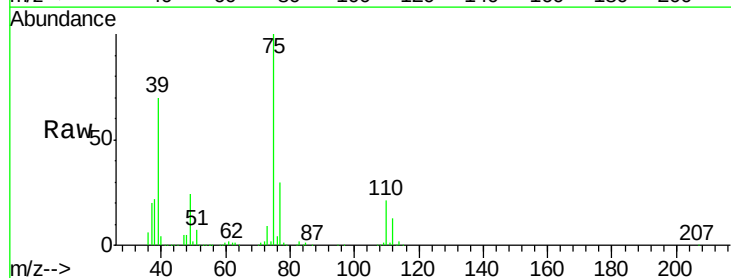
Manual Integrations
APPROVED

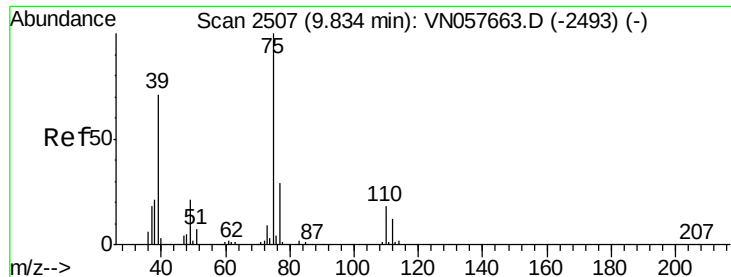
MMDadoda
9/5/2019 3:21:07 PM



#48
t-1,3-Dichloropropene
Concen: 123.520 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	23.1	34.7





#49

cis-1,3-Dichloropropene

Concen: 119.682 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

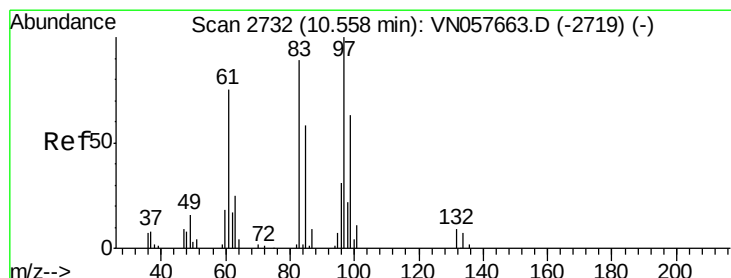
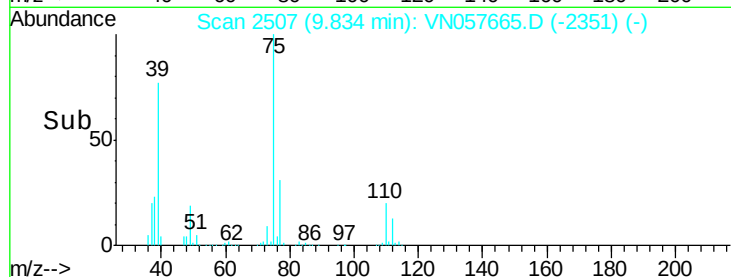
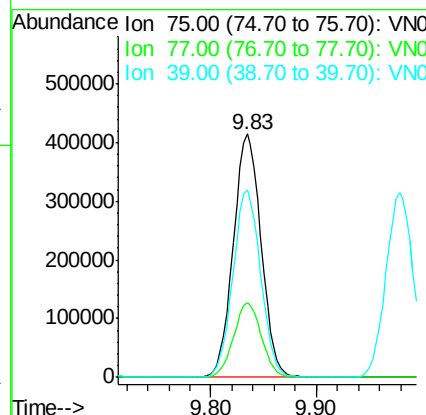
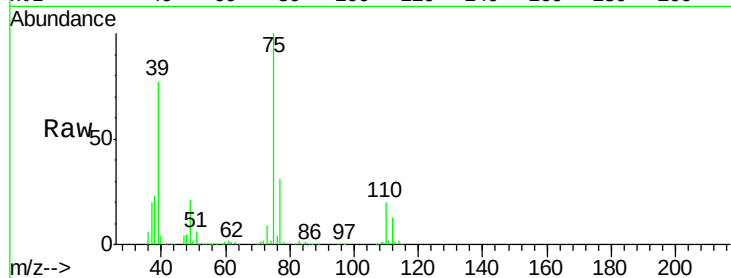
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	754764
Ion Ratio	Lower	Upper	
75	100		
77	30.8	23.4	35.2
39	76.8	56.6	85.0

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 100.865 ug/l

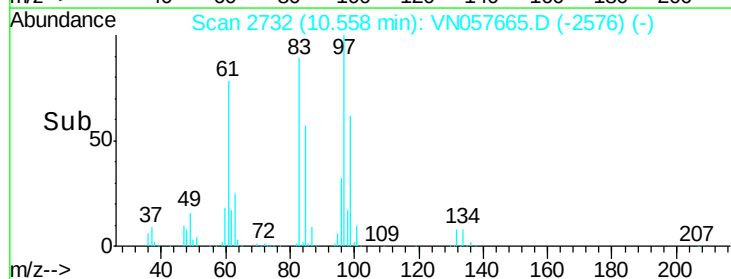
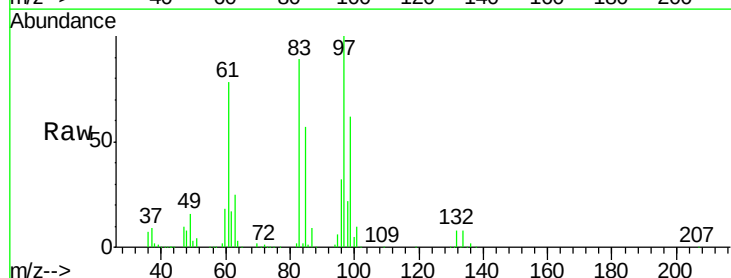
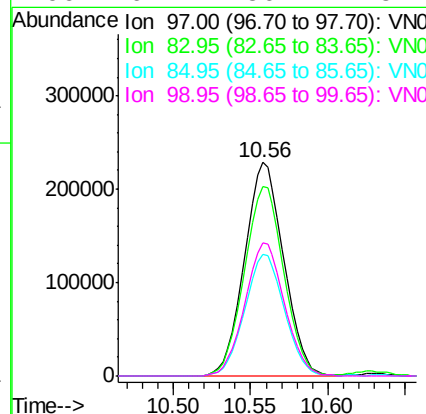
RT: 10.56 min Scan# 2732

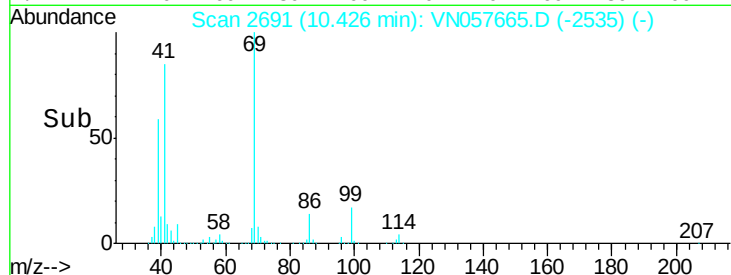
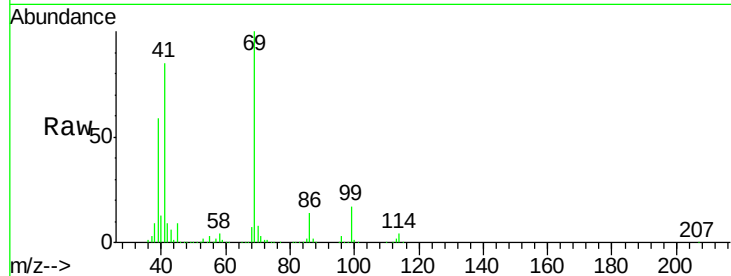
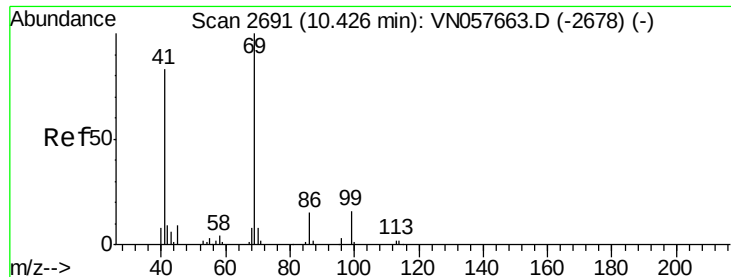
Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tgt Ion:	97	Resp:	403223
Ion Ratio	Lower	Upper	
97	100		
83	88.8	71.4	107.2
85	57.0	46.0	69.0
99	62.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 127.143 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tot Ion:	69	Resp:	687288
Ion	Ratio	Lower	Upper
69	100		
41	85.1	41.5	124.5
39	58.6	29.6	88.9

Instrument :

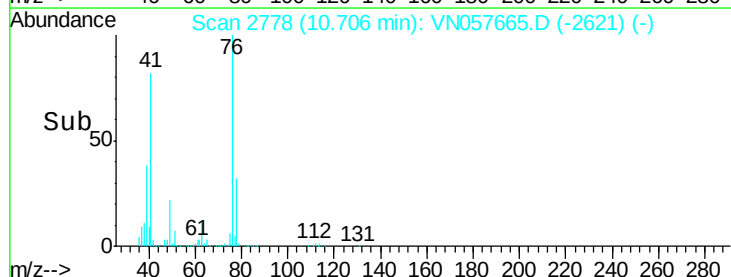
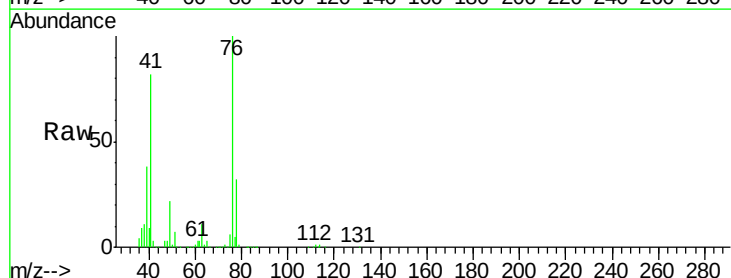
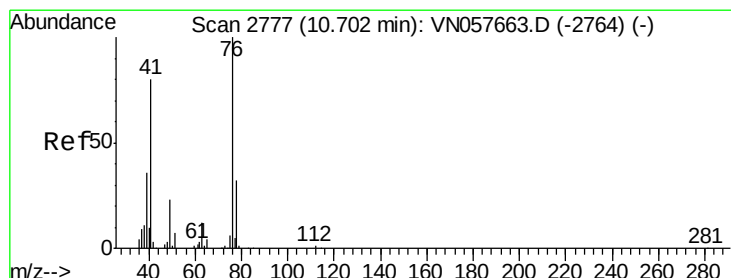
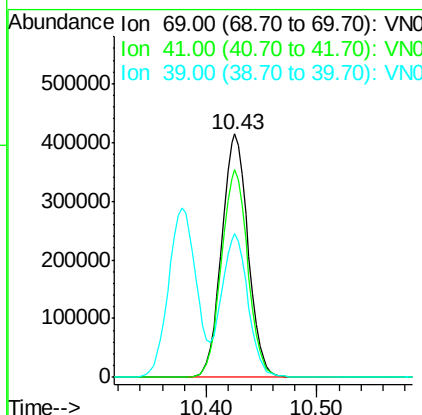
MSVOA_N

ClientSampled :

VSTDIC100

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 113.354 ug/l

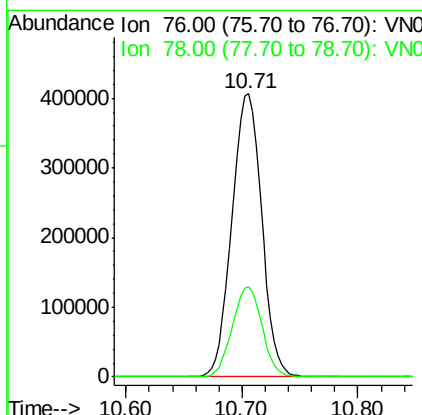
RT: 10.71 min Scan# 2778

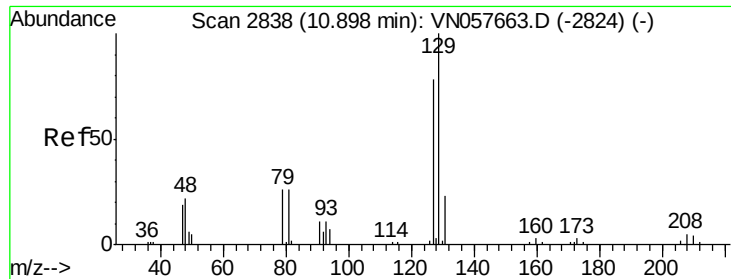
Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tgt Ion:	76	Resp:	721206
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.8





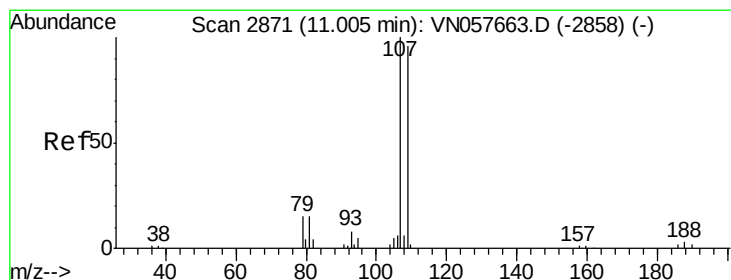
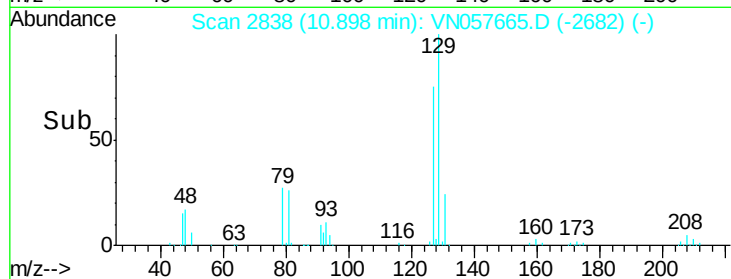
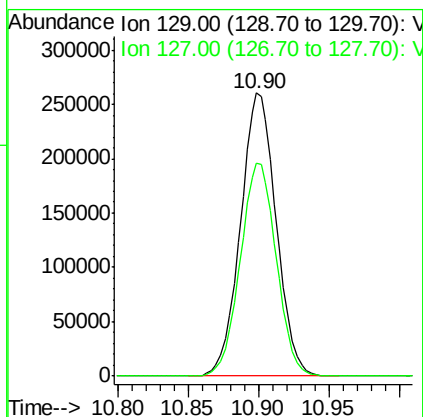
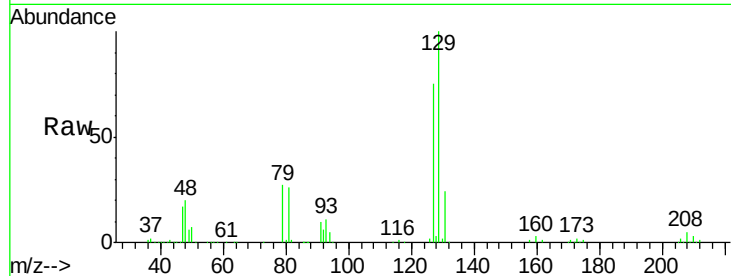
#53
Dibromochloromethane
Concen: 104.327 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.1	117.3

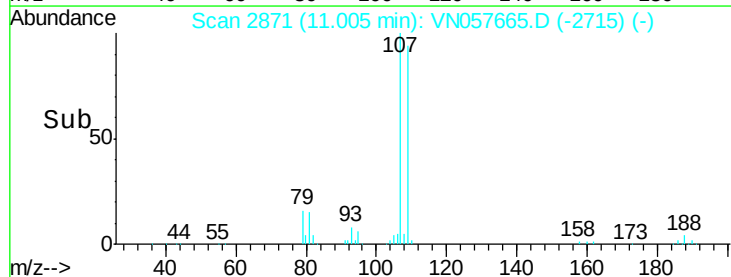
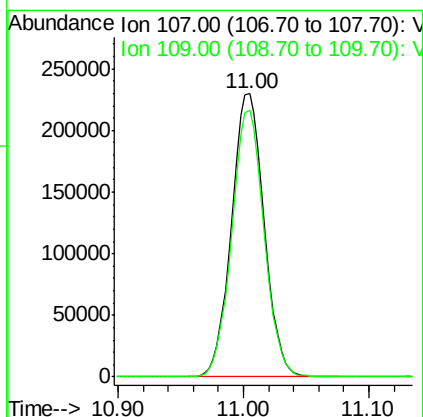
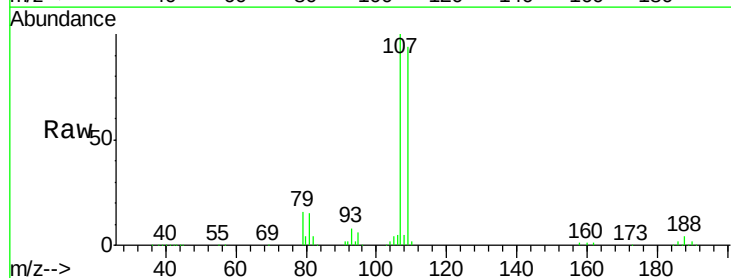
Manual Integrations
APPROVED

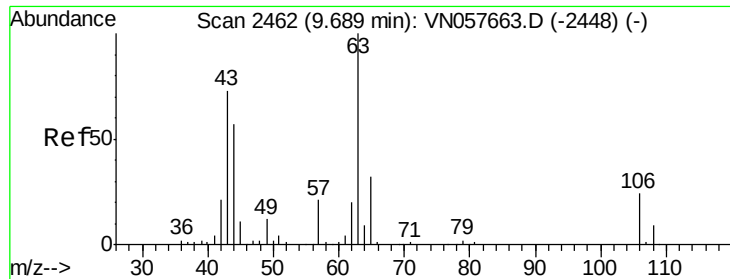
MMDadoda
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#54
1,2-Dibromoethane
Concen: 100.824 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.2	114.4





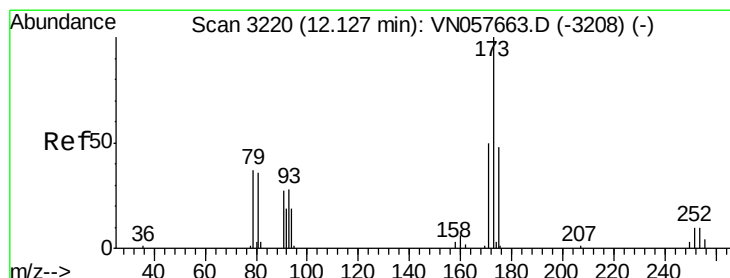
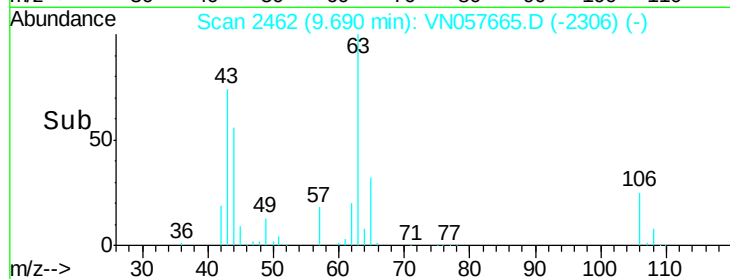
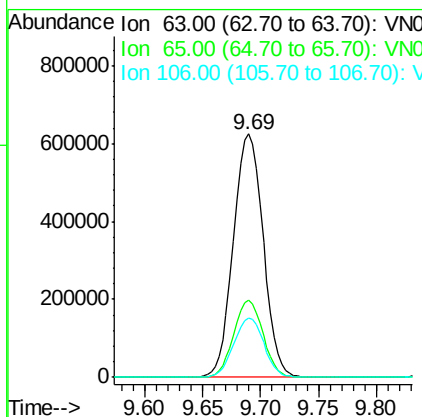
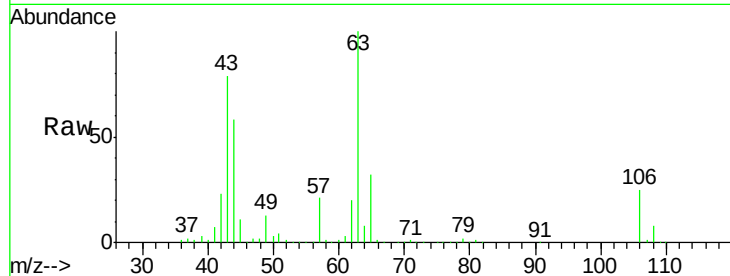
#55
2-Chloroethyl vinyl ether
Concen: 800.014 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1117149
Ion Ratio Lower Upper
63 100
65 31.2 25.6 38.4
106 24.7 19.5 29.3

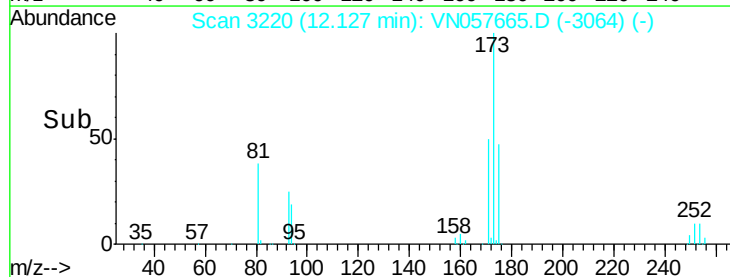
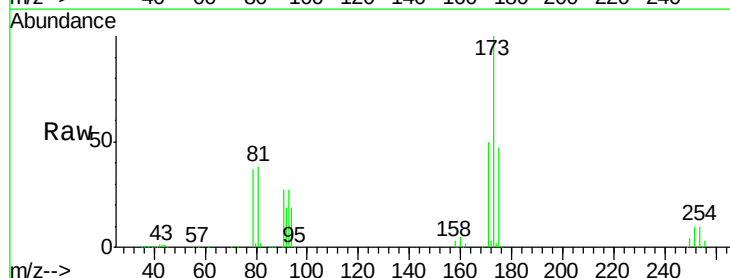
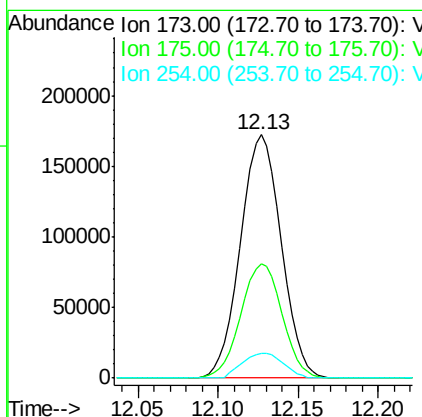
Manual Integrations
APPROVED

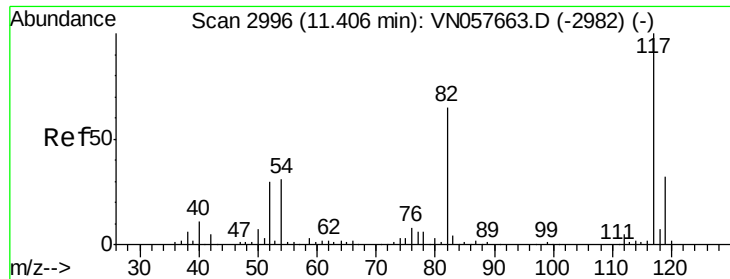
MMDadoda
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#56
Bromoform
Concen: 105.028 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion: 173 Resp: 300040
Ion Ratio Lower Upper
173 100
175 47.4 38.8 58.2
254 10.1 7.2 10.8





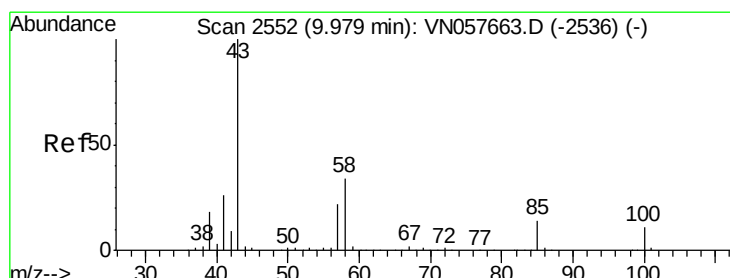
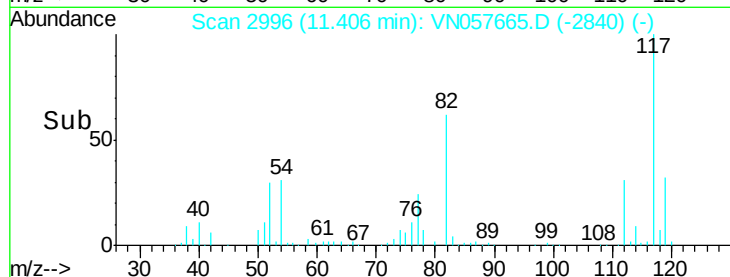
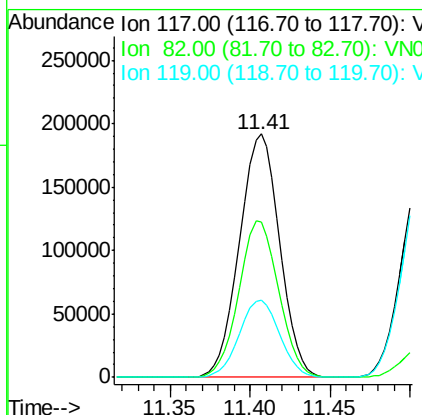
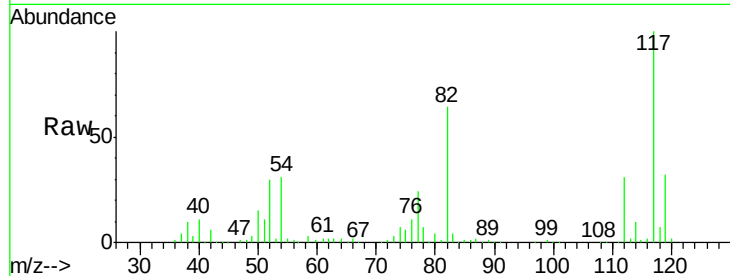
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.2	51.2	76.8
119	32.1	25.8	38.6

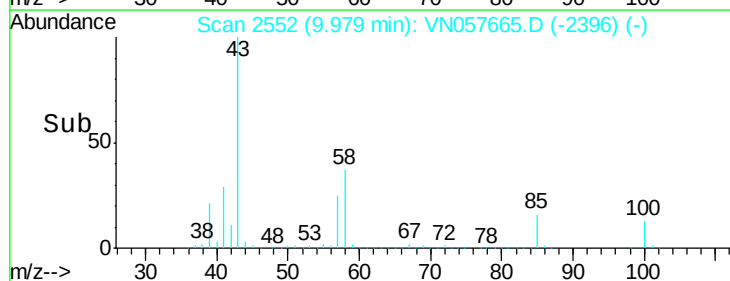
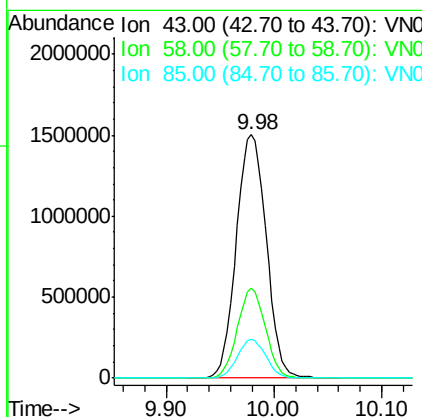
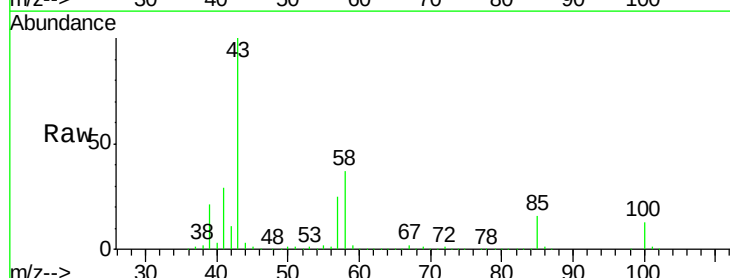
Manual Integrations
APPROVED

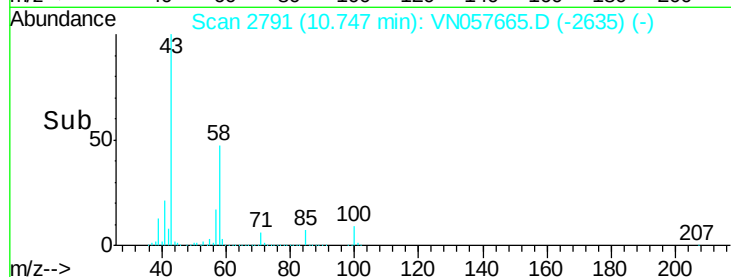
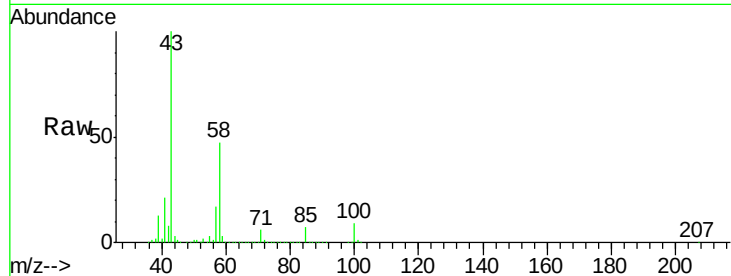
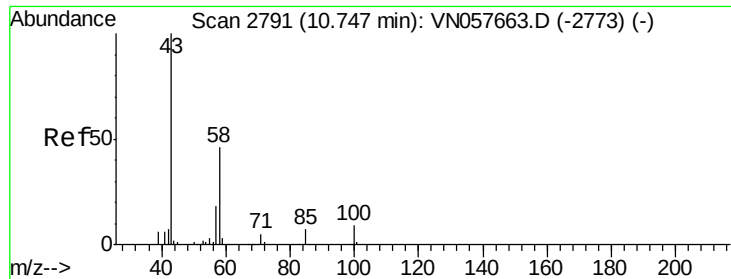
MMDadoda
9/5/2019 3:21:07 PM



#58
4-Methyl-2-Pentanone
Concen: 775.635 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.7	40.1
85	15.1	11.2	16.8





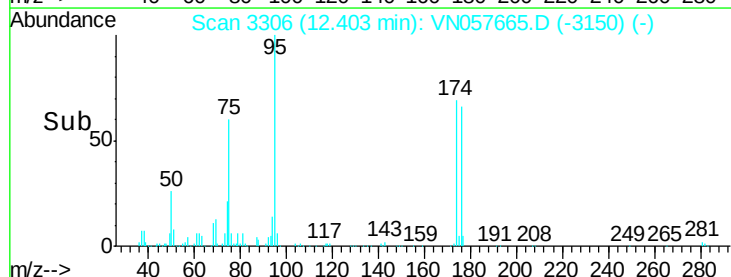
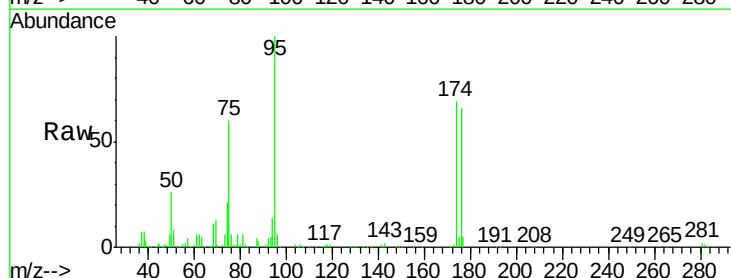
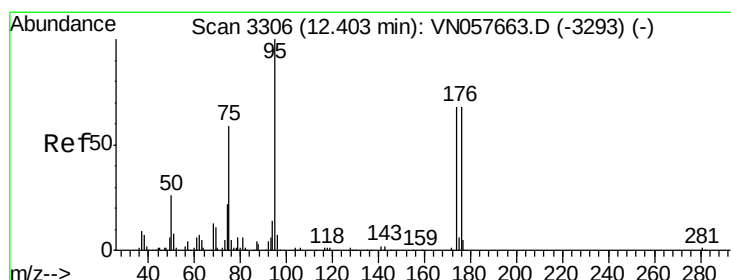
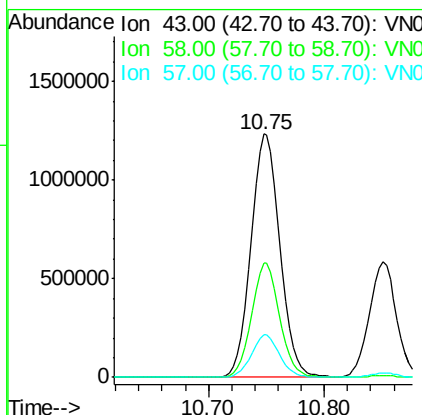
#59
2-Hexanone
Concen: 829.566 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tot Ion: 43 Resp: 2155192
Ion Ratio Lower Upper
43 100
58 45.6 36.1 54.1
57 17.0 14.1 21.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

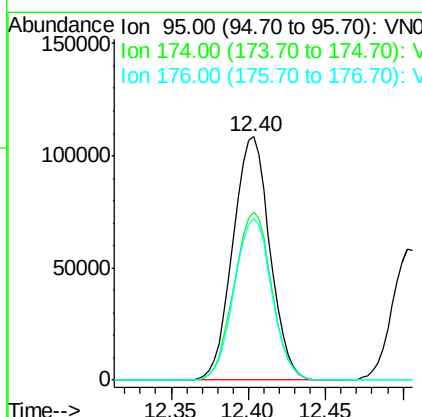
Manual Integrations
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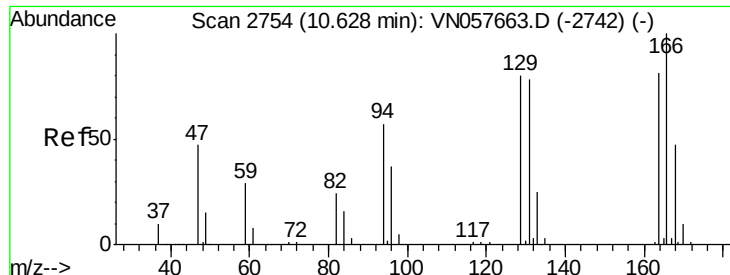
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 35.624 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion: 95 Resp: 180666
Ion Ratio Lower Upper
95 100
174 70.1 55.0 82.6
176 67.1 53.7 80.5





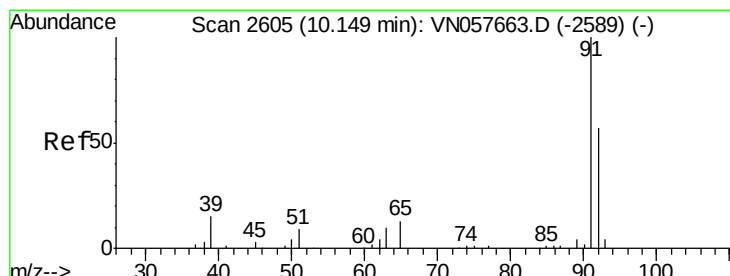
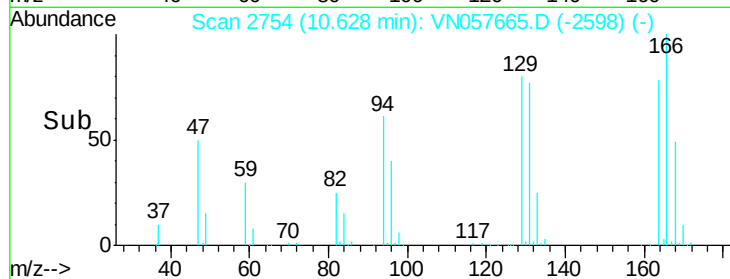
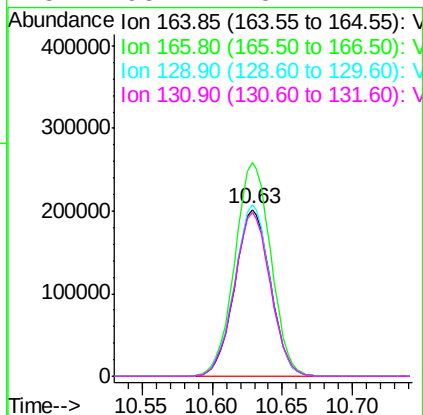
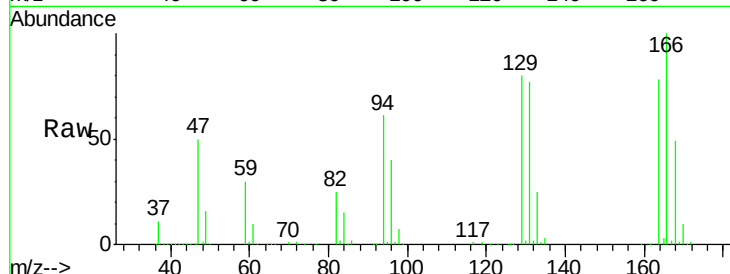
#61
Tetrachloroethene
Concen: 87.668 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100	360487		
166	128.2	99.4	149.2	
129	103.0	78.8	118.2	
131	98.2	78.2	117.2	

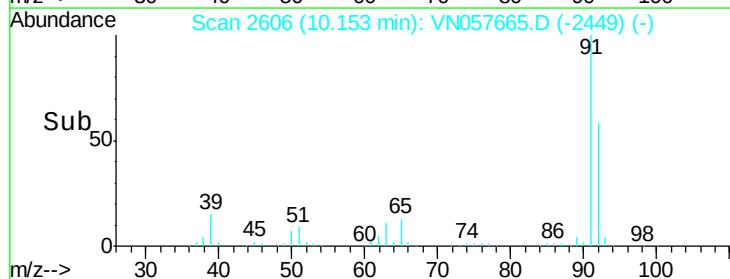
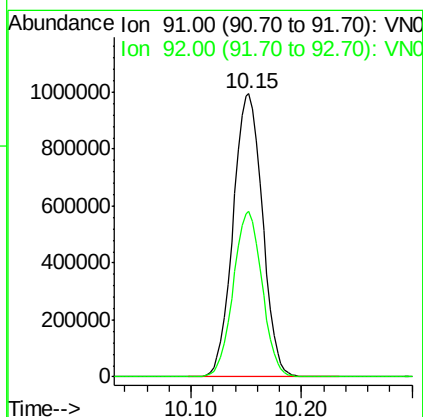
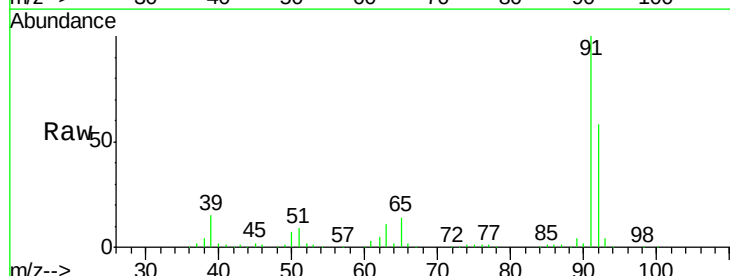
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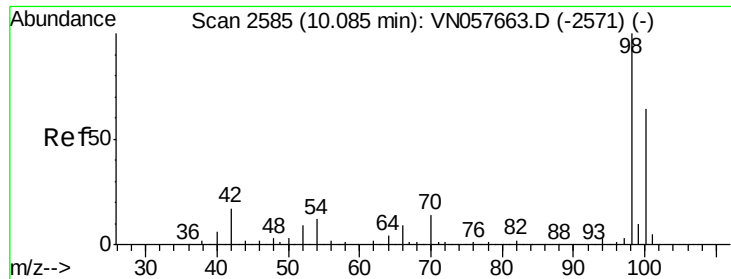
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#62
Toluene
Concen: 109.771 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1834384		
92	57.4	46.1	69.1	





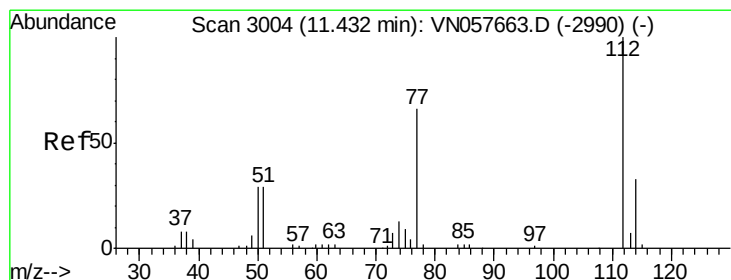
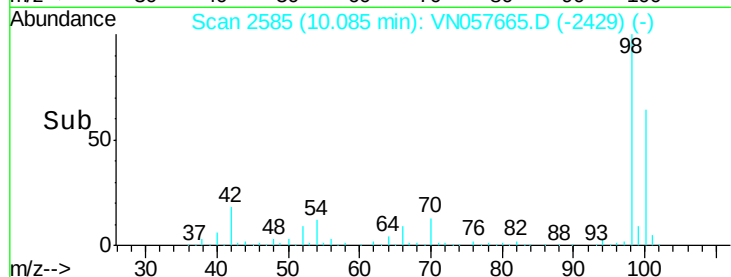
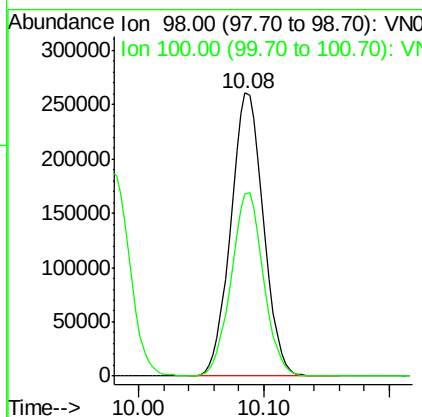
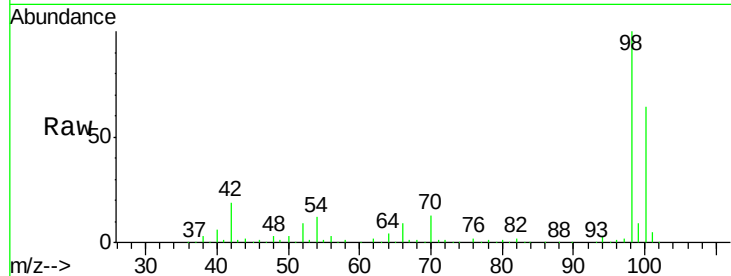
#63
Toluene-d8
Concen: 30.659 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 470555
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.6

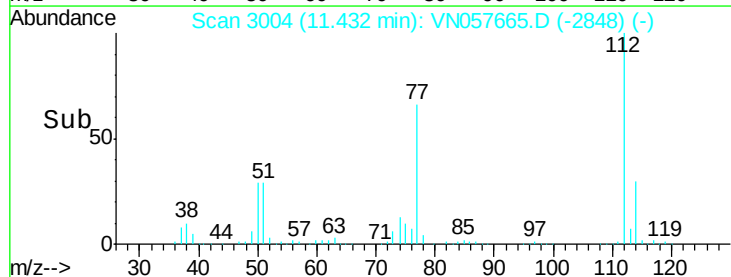
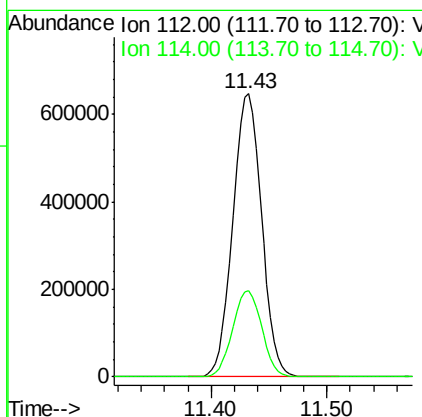
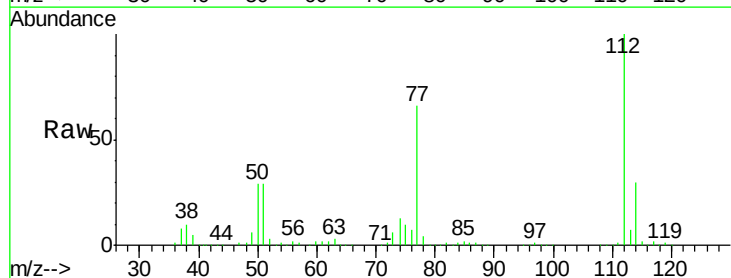
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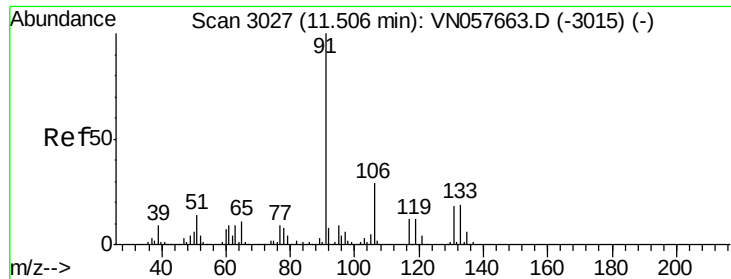
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#64
Chlorobenzene
Concen: 104.788 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion: 112 Resp: 1108109
Ion Ratio Lower Upper
112 100
114 30.4 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 99.635 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:131 Resp: 414689

Ion Ratio Lower Upper

131 100

133 95.1 0.0 198.0

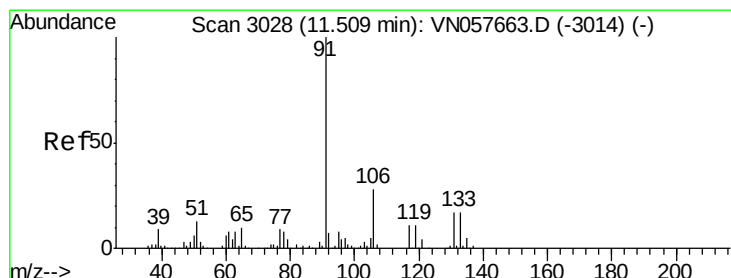
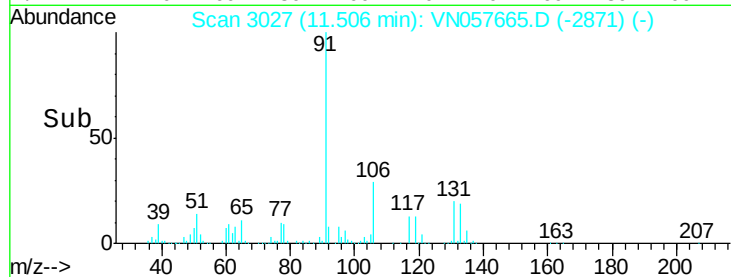
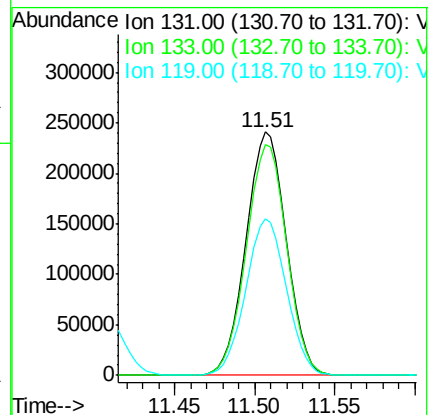
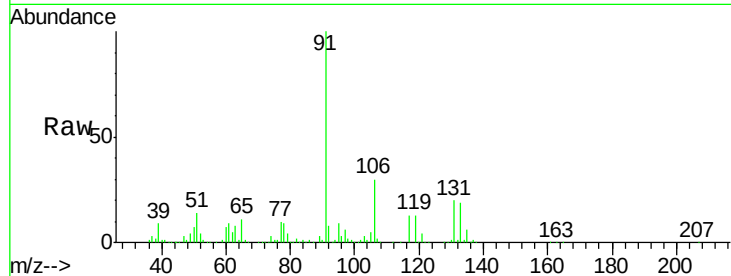
119 64.9 0.0 129.8

Manual Integrations

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#66

Ethyl Benzene

Concen: 116.612 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057665.D

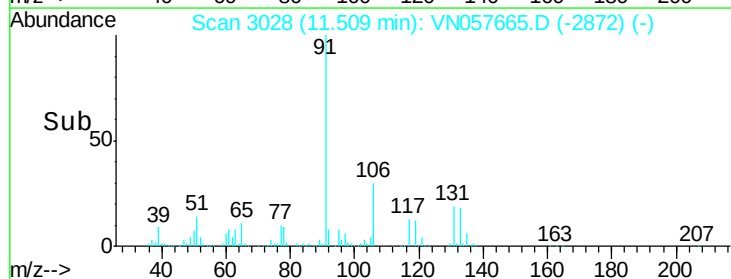
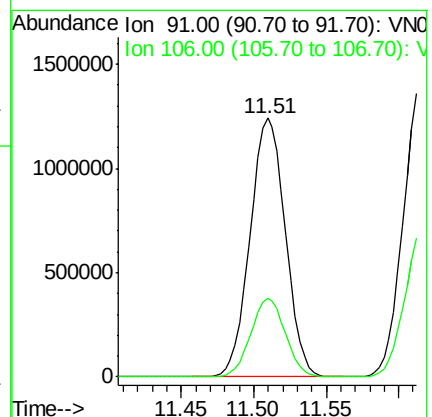
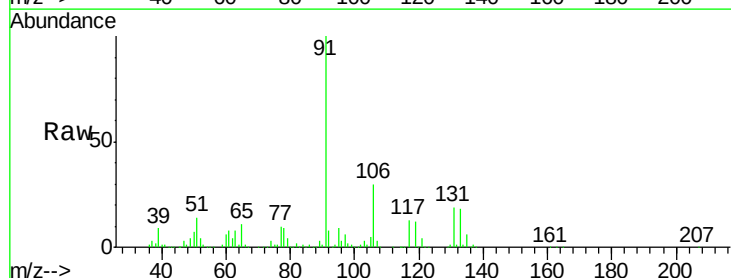
Acq: 3 Sep 2019 15:58

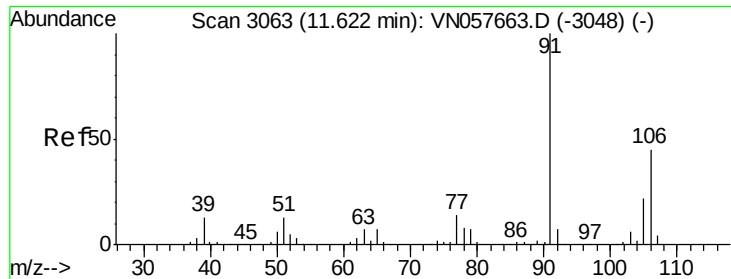
Tgt Ion: 91 Resp: 2106281

Ion Ratio Lower Upper

91 100

106 30.3 22.7 34.1





#67

m/p-Xylenes

Concen: 213.196 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1506906

Ion Ratio Lower Upper

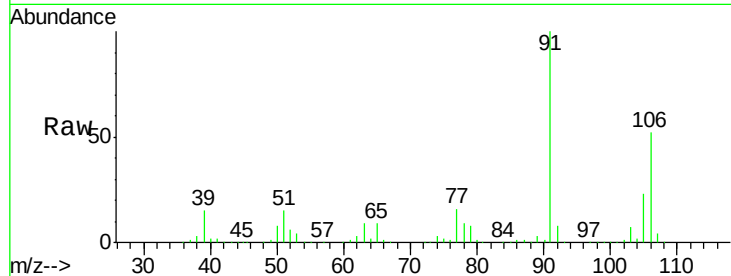
106 100

91 206.3 178.9 268.3

Manual Integrations
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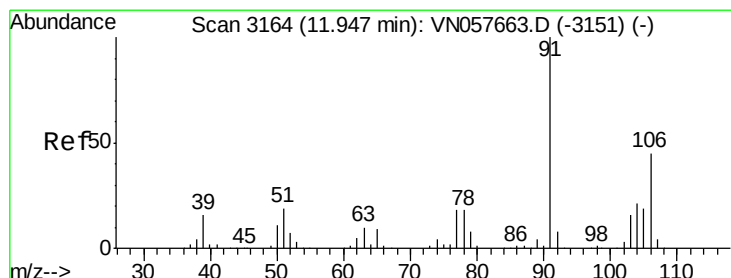
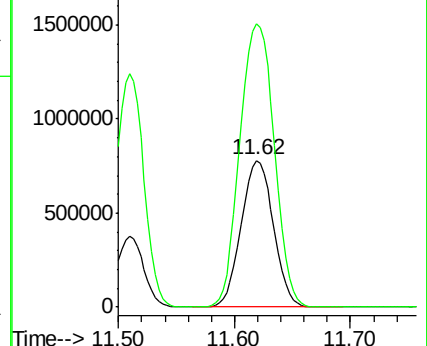
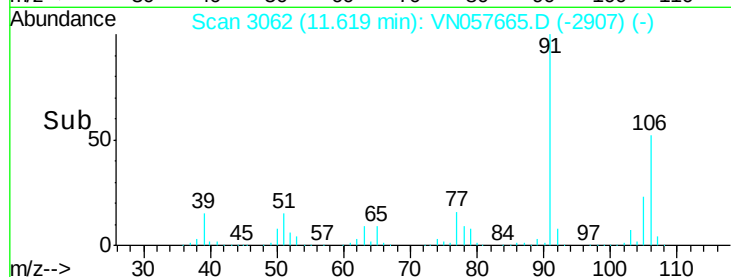
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 103.295 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057665.D

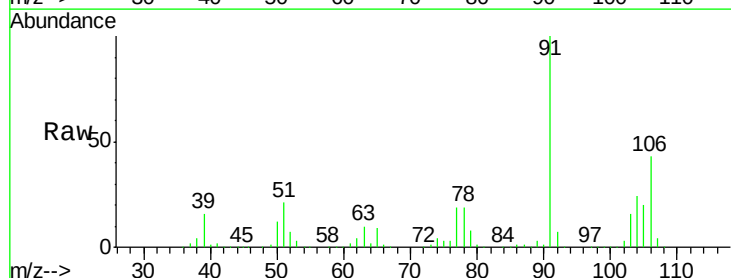
Acq: 3 Sep 2019 15:58

Tgt Ion:106 Resp: 734723

Ion Ratio Lower Upper

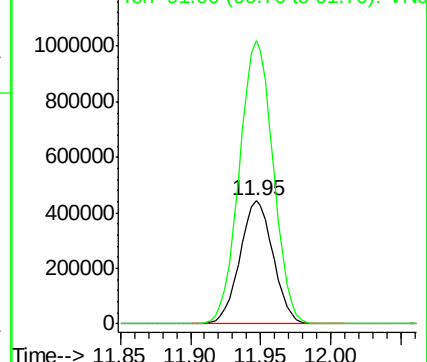
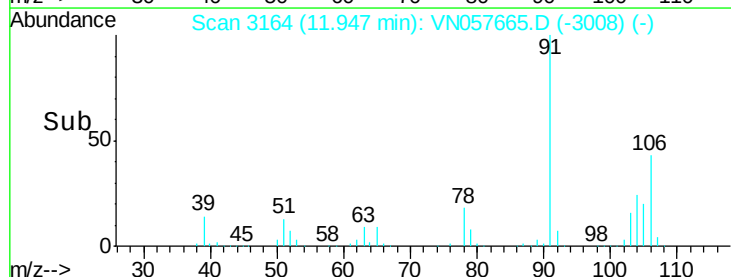
106 100

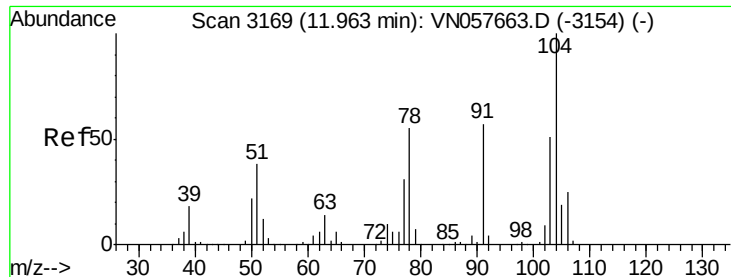
91 233.9 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





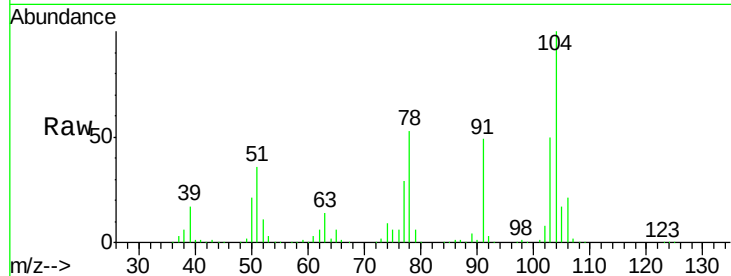
#69
Stvrene
Concen: 113.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

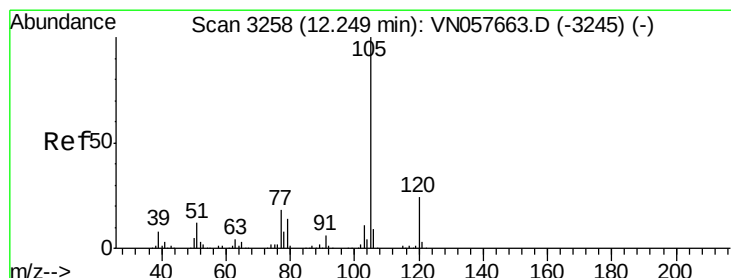
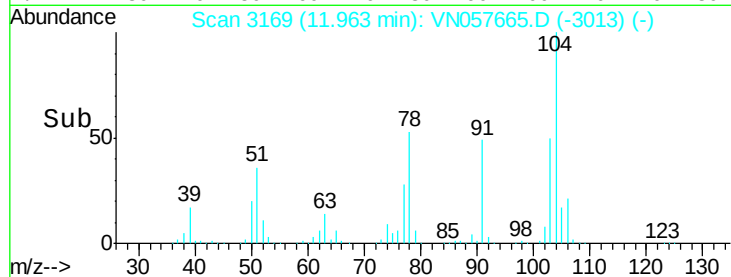
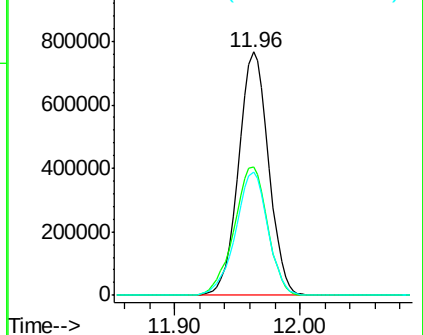
Tot Ion:104 Resp: 1273017
Ion Ratio Lower Upper
104 100
78 58.9 49.0 73.6
103 54.7 44.9 67.3

Manual Integrations
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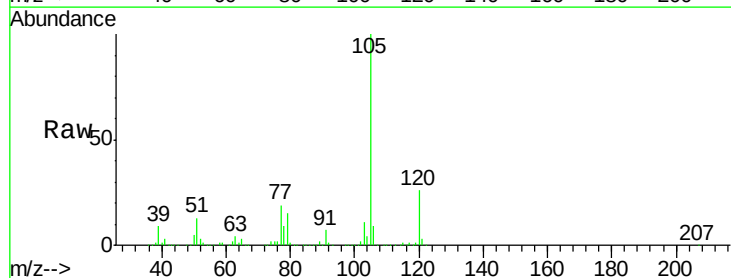


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

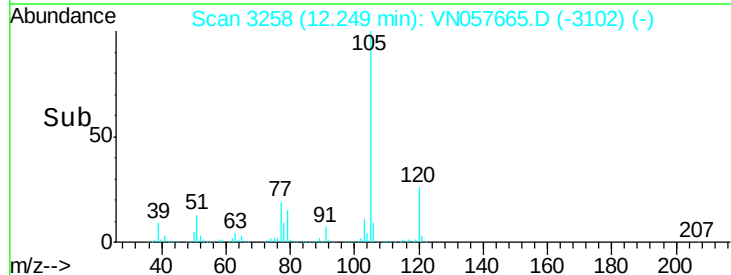
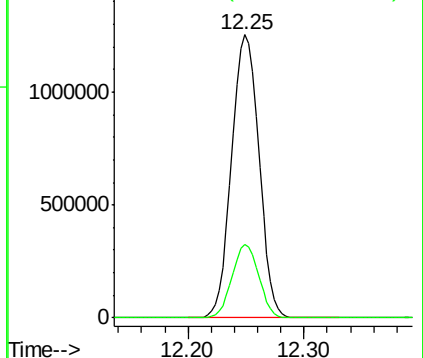


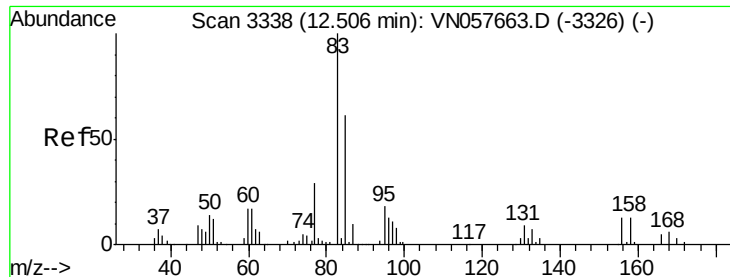
#70
Isopropylbenzene
Concen: 114.718 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion:105 Resp: 2050508
Ion Ratio Lower Upper
105 100
120 25.4 17.2 32.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 111.711 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 539928

Ion Ratio Lower Upper

83 100

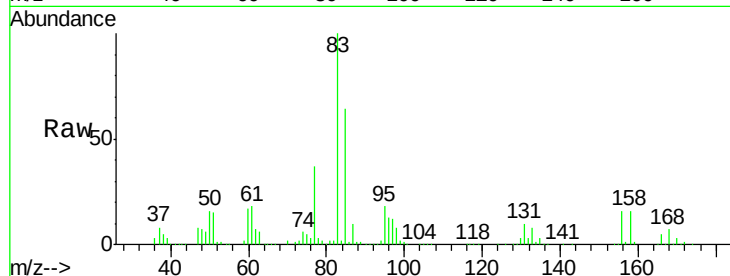
131 9.9 5.0 14.9

85 64.0 31.7 95.1

Manual Integrations
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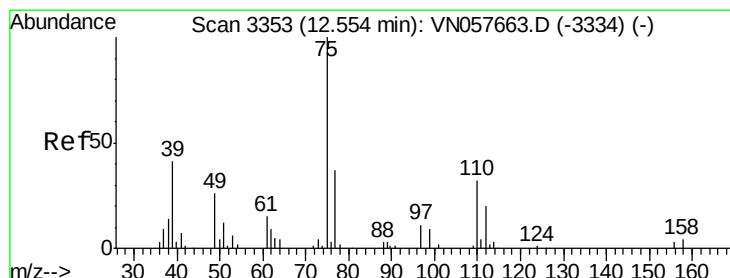
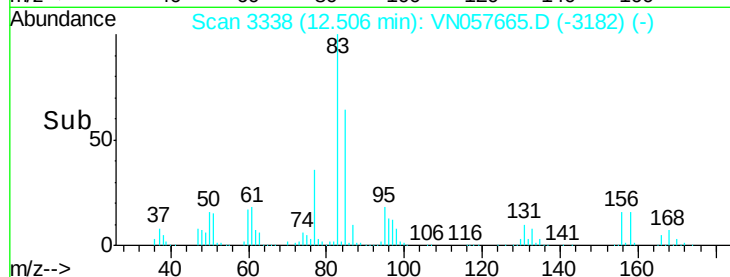
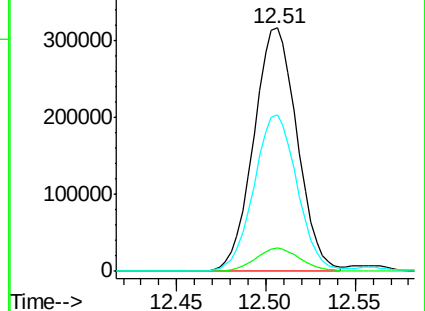
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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 120.465 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057665.D

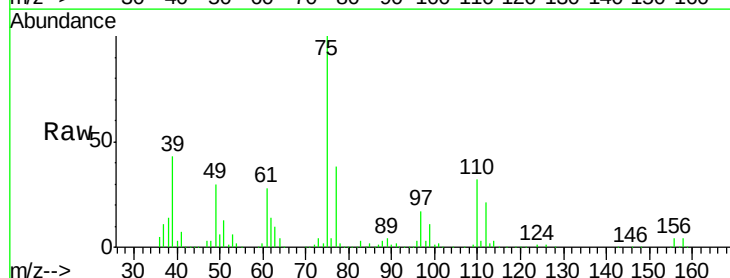
Acq: 3 Sep 2019 15:58

Tgt Ion: 75 Resp: 499960

Ion Ratio Lower Upper

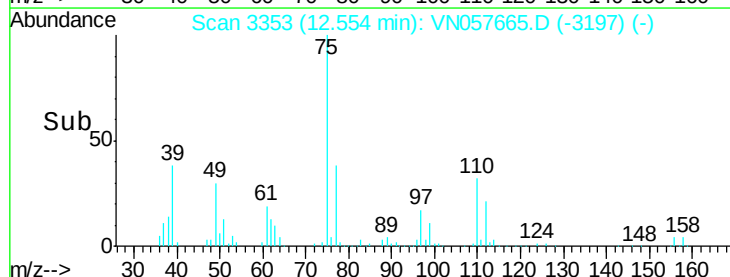
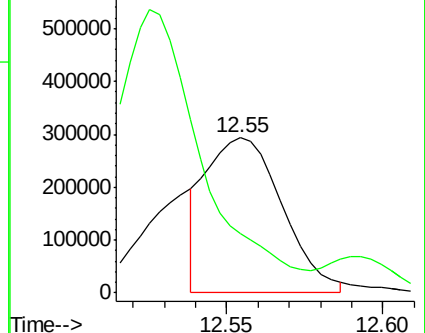
75 100

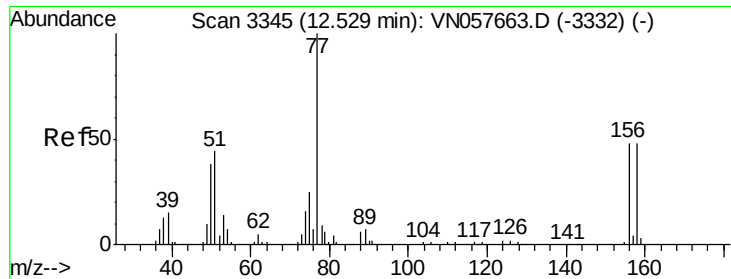
77 214.9 0.0 405.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 100.732 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

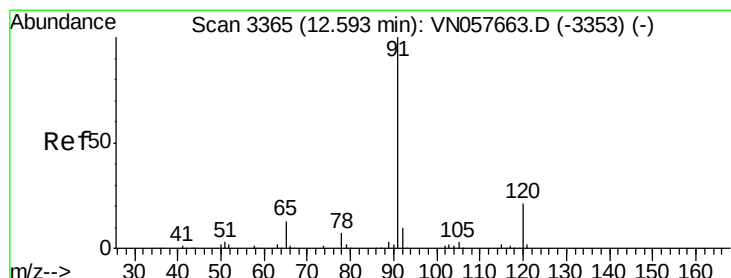
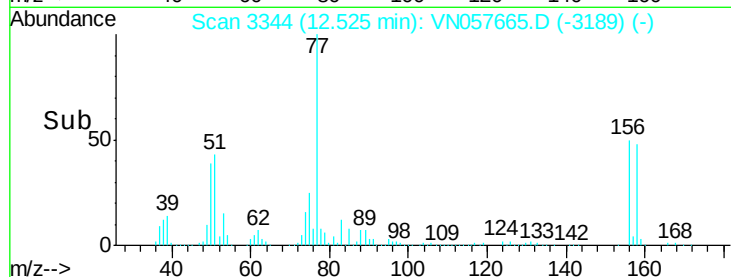
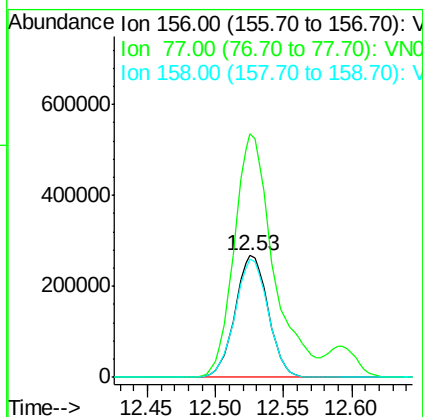
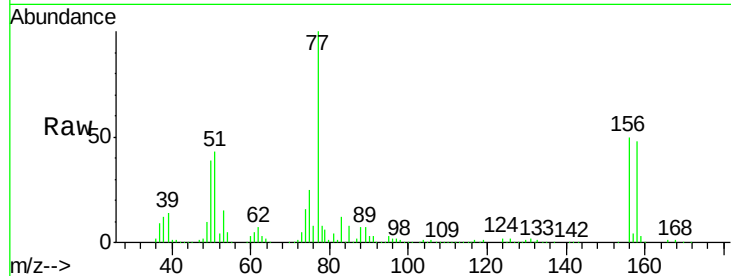
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	450302
Ion Ratio	Lower	Upper	
156	100		
77	238.5	0.0	495.6
158	97.3	0.0	197.8

Manual Integrations
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#74

n-propylbenzene

Concen: 126.230 ug/l

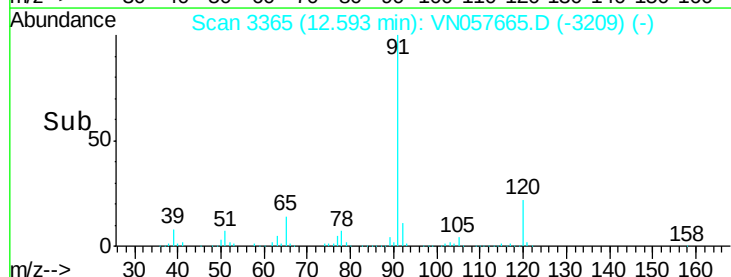
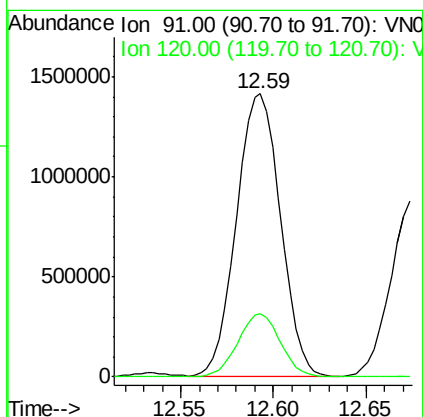
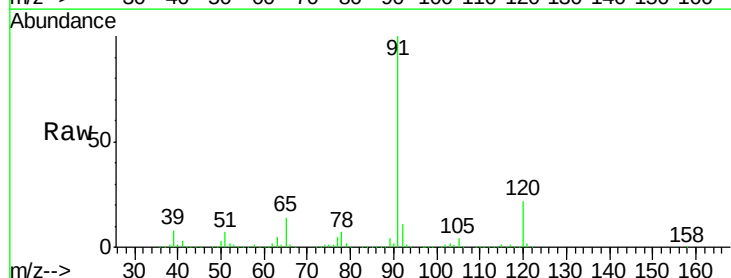
RT: 12.59 min Scan# 3365

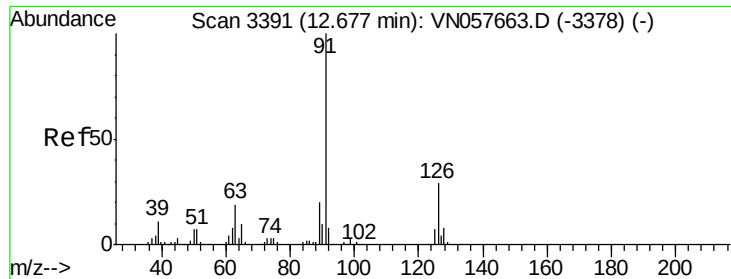
Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Tgt Ion:	91	Resp:	2337732
Ion Ratio	Lower	Upper	
91	100		
120	21.3	0.0	40.4





#75

2-Chlorotoluene

Concen: 121.073 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1459943

Ion Ratio Lower Upper

91 100

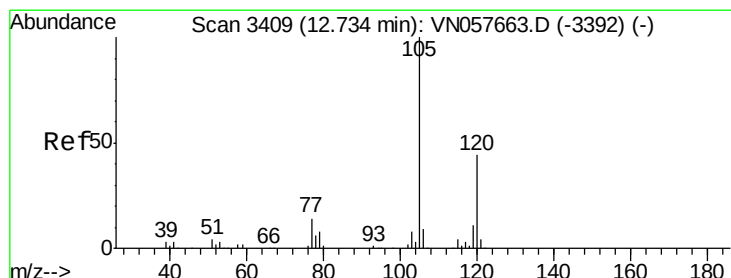
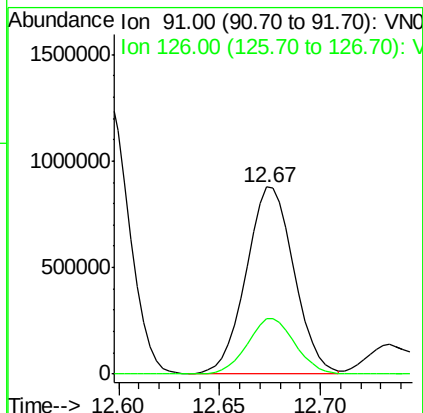
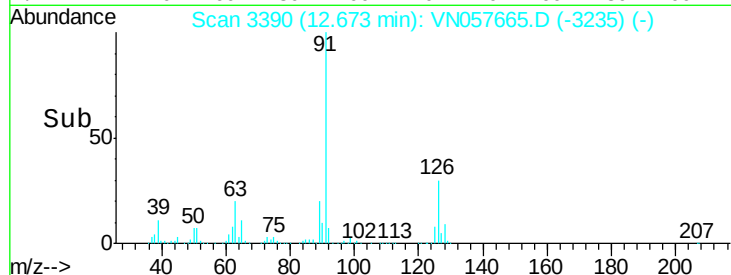
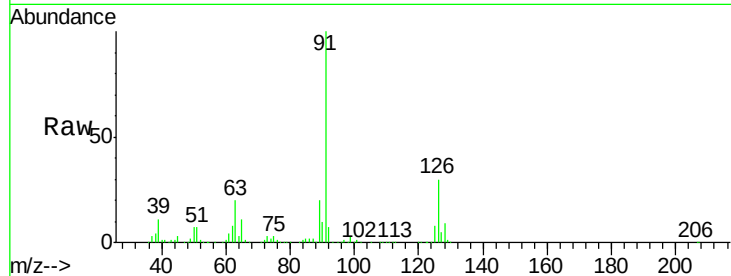
126 29.7 0.0 59.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 115.514 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057665.D

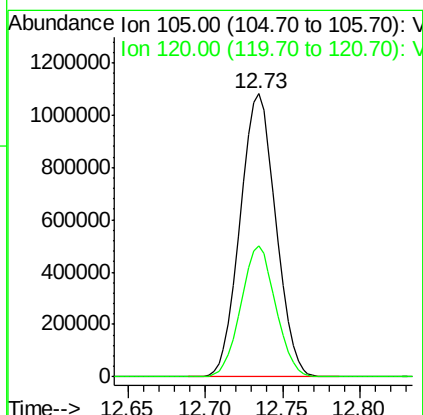
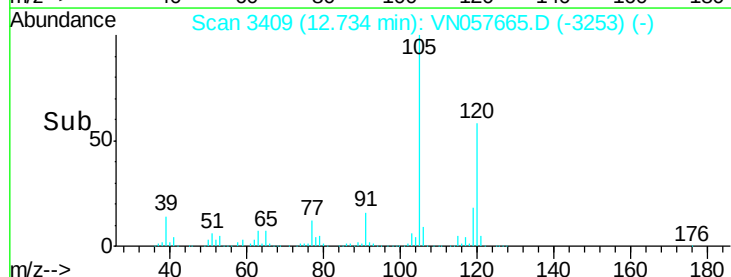
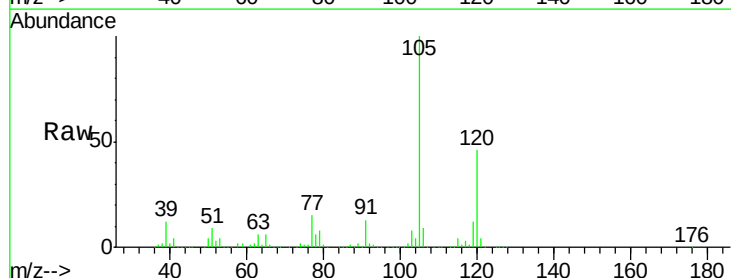
Acq: 3 Sep 2019 15:58

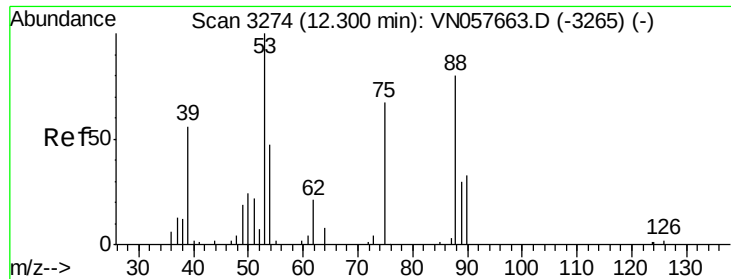
Tgt Ion: 105 Resp: 1732438

Ion Ratio Lower Upper

105 100

120 45.3 0.0 91.0





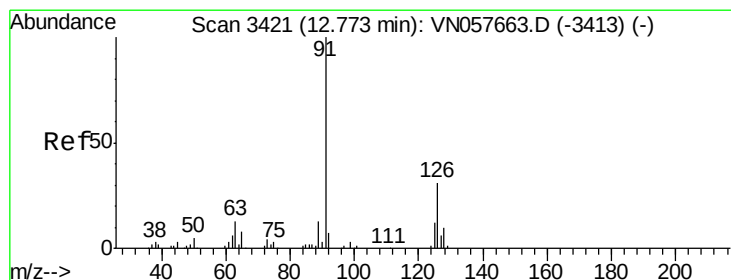
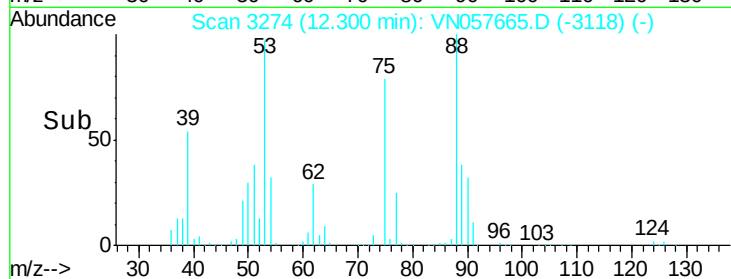
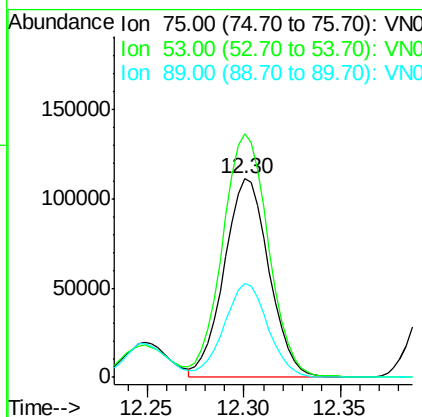
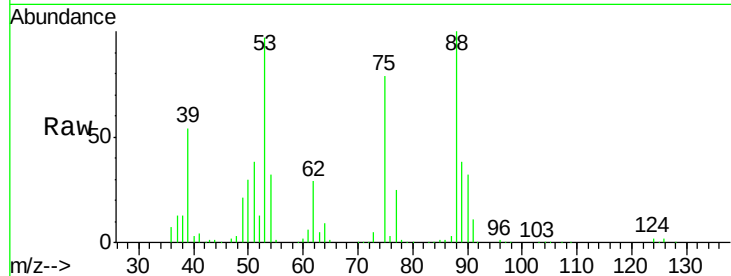
#77
t-1,4-Dichloro-2-butene
Concen: 136.722 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.5	74.2	222.6
89	47.6	23.3	69.9

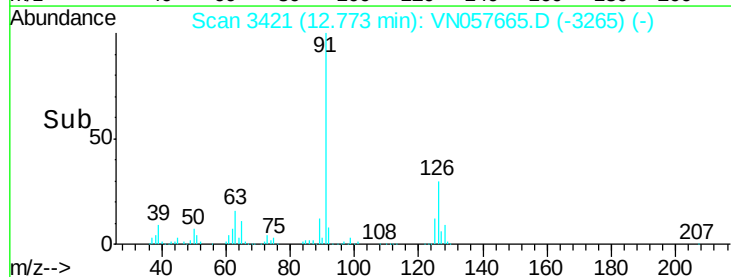
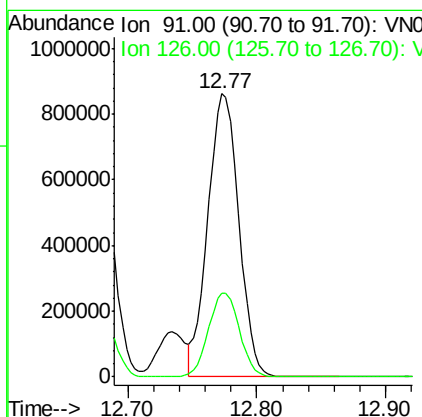
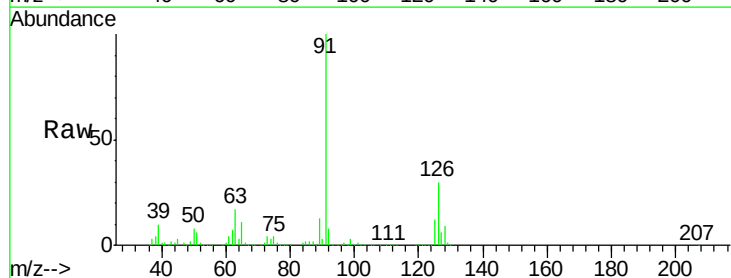
Manual Integrations
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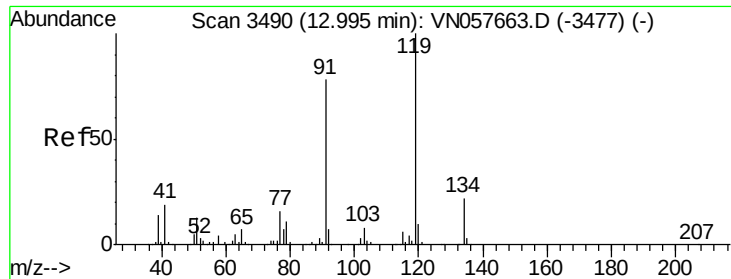
MMDadoda
9/5/2019 3:21:07 PM



#78
4-Chlorotoluene
Concen: 125.664 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	0.0	57.8





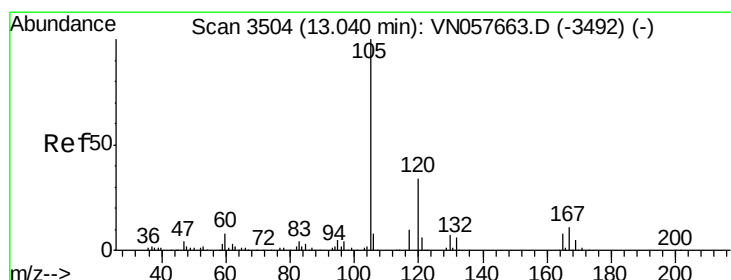
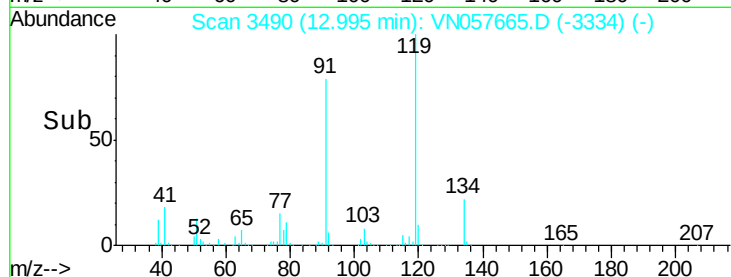
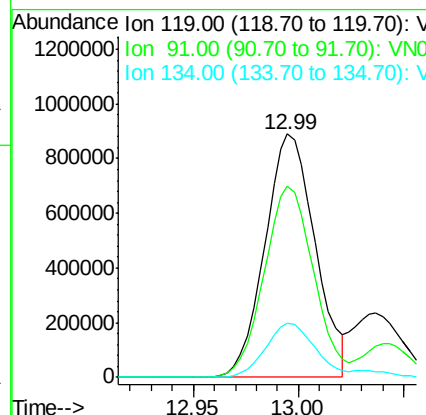
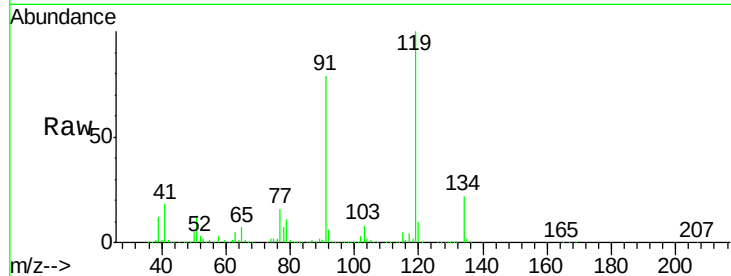
#79
tert-butylbenzene
Concen: 107.990 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.3	0.0	155.6
134	22.0	0.0	48.2

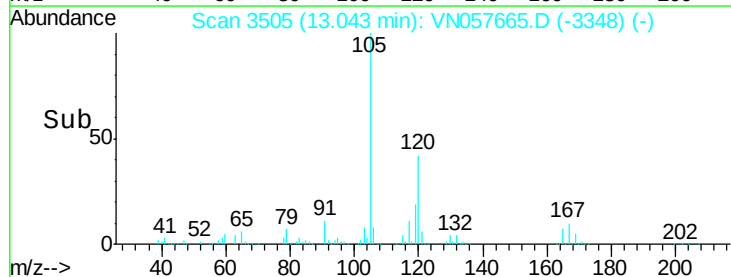
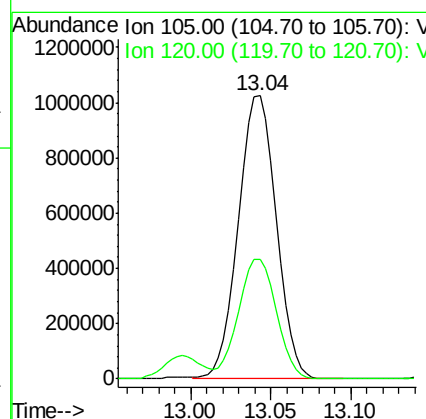
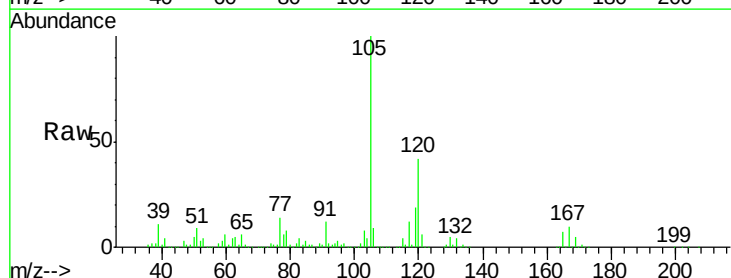
Manual Integrations
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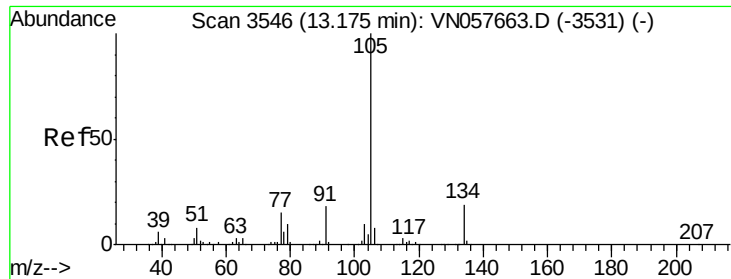
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 117.761 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	0.0	83.4





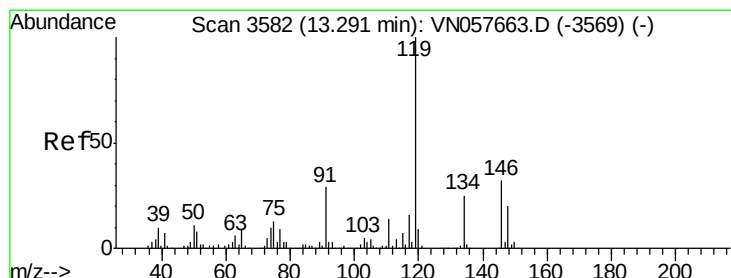
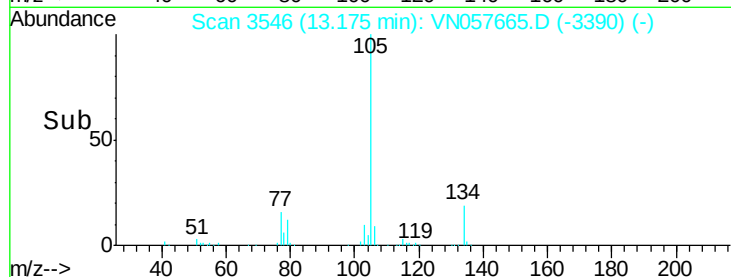
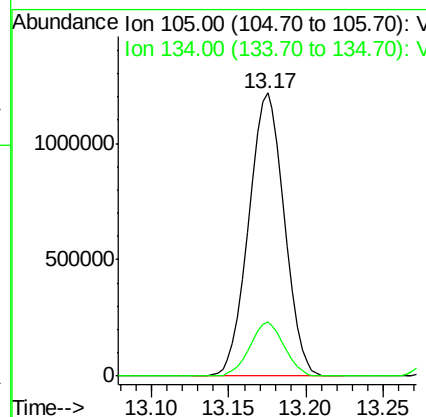
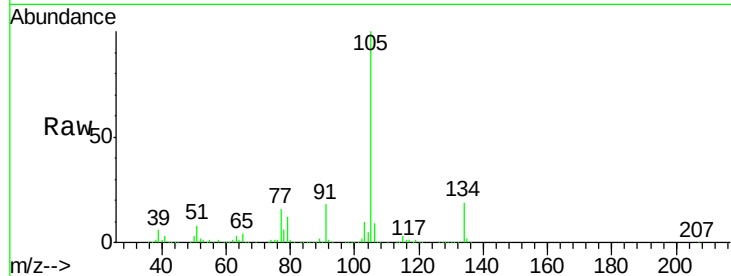
#81
 sec-Butylbenzene
 Concen: 117.578 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1948975
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 36.2

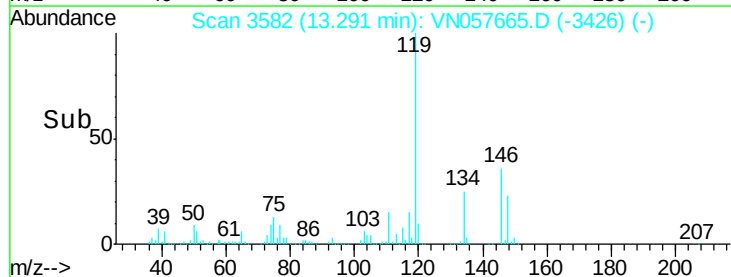
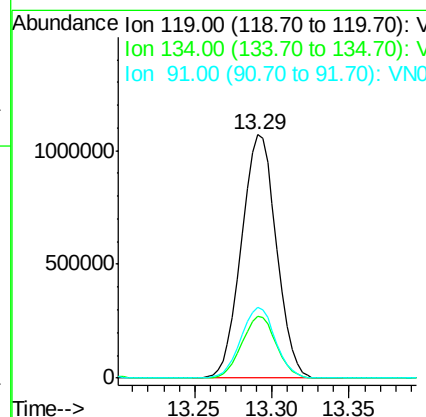
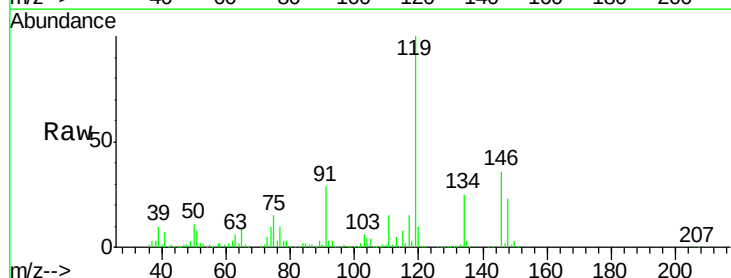
Manual Integrations
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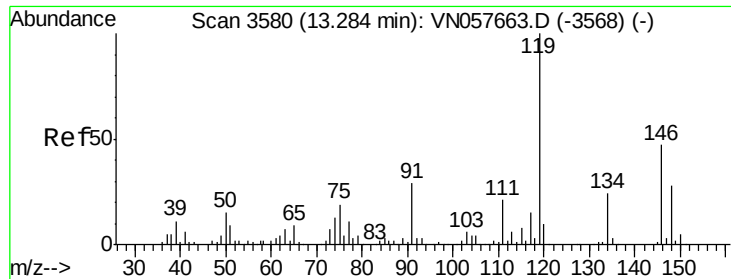
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 115.295 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion:119 Resp: 1679542
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 49.6
 91 28.7 0.0 56.2





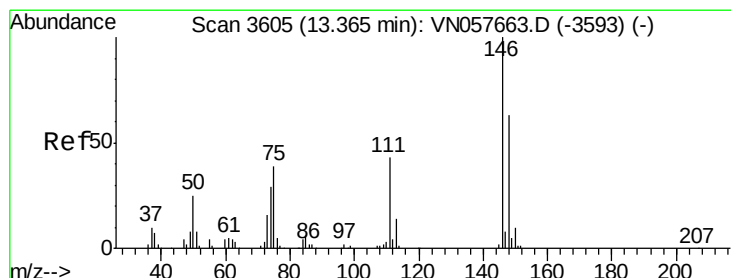
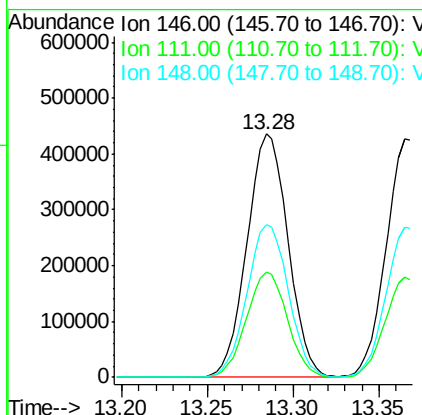
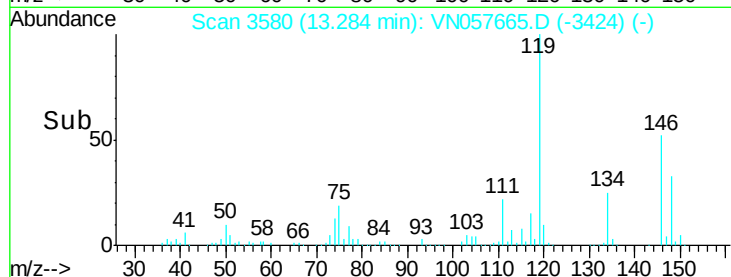
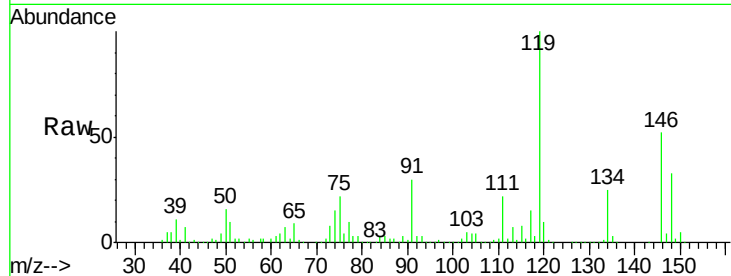
#83
 1,3-Dichlorobenzene
 Concen: 101.071 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.1	66.3
148	63.3	31.3	93.9

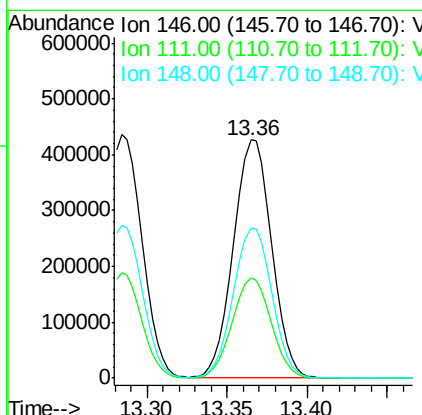
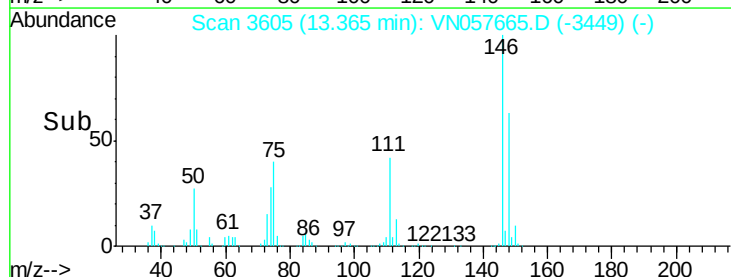
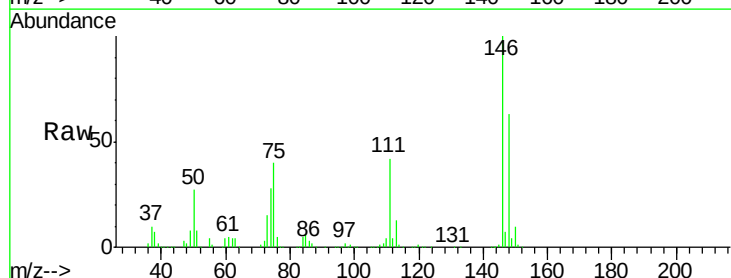
Manual Integrations
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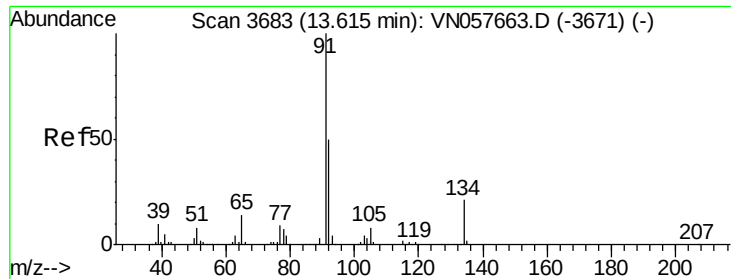
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#84
 1,4-Dichlorobenzene
 Concen: 101.895 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.6	31.0	93.0





#85

n-Butylbenzene

Concen: 126.648 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057665.D

Acq: 3 Sep 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1496108

Ion Ratio Lower Upper

91 100

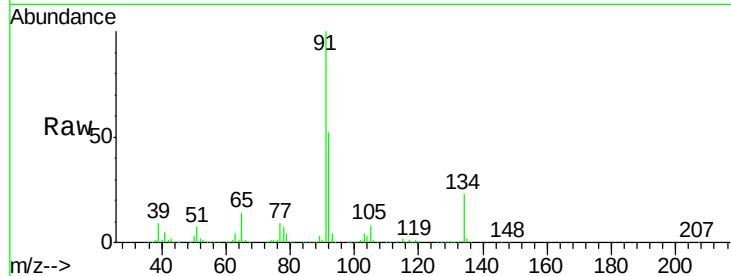
92 51.3 0.0 100.2

134 22.8 0.0 43.8

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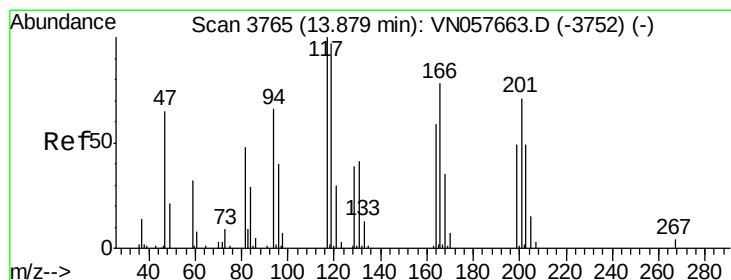
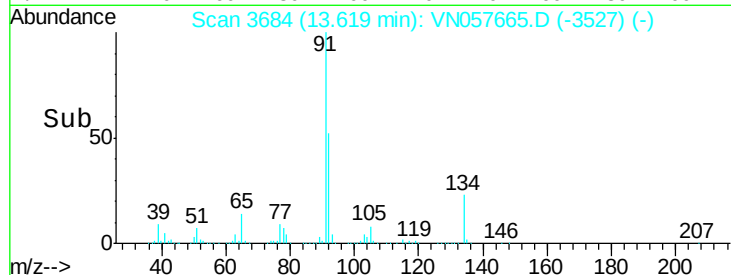
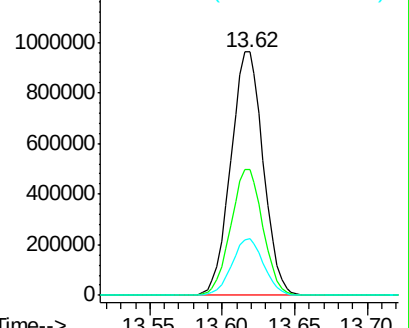
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 111.513 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057665.D

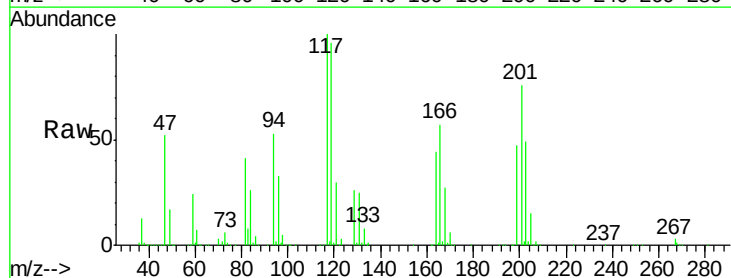
Acq: 3 Sep 2019 15:58

Tgt Ion: 117 Resp: 315177

Ion Ratio Lower Upper

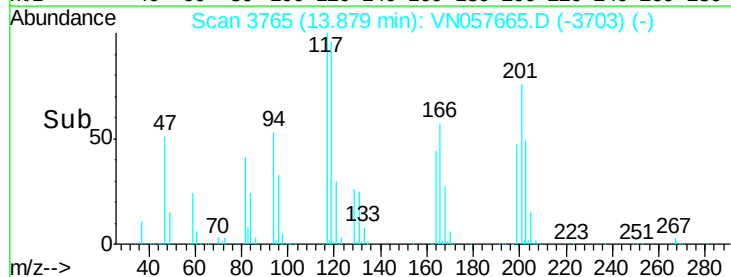
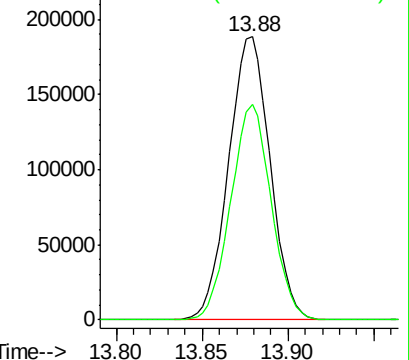
117 100

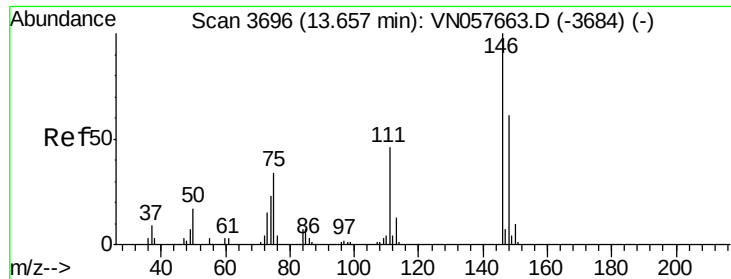
201 74.3 34.1 102.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





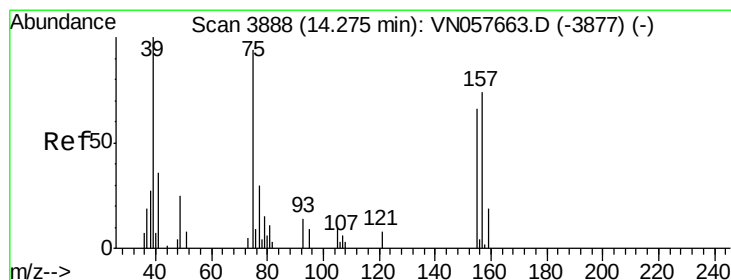
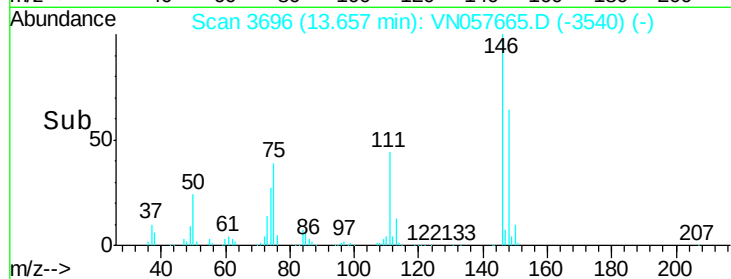
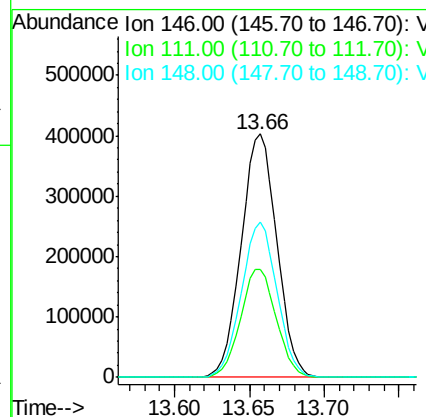
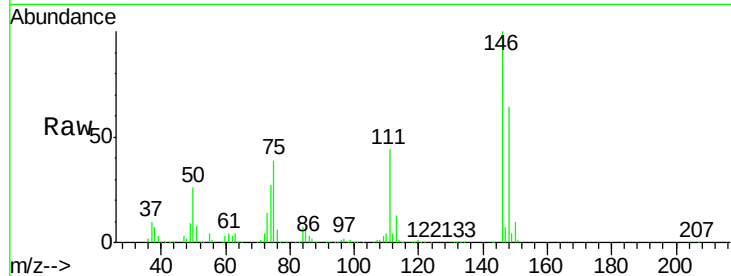
#87
 1,2-Dichlorobenzene
 Concen: 98.660 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.6	67.7
148	63.5	31.3	93.9

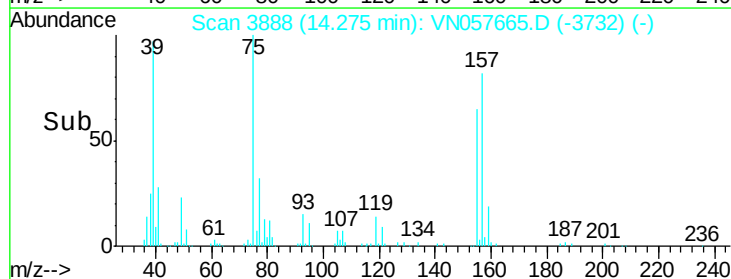
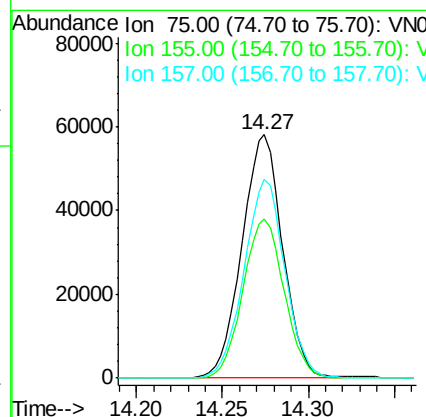
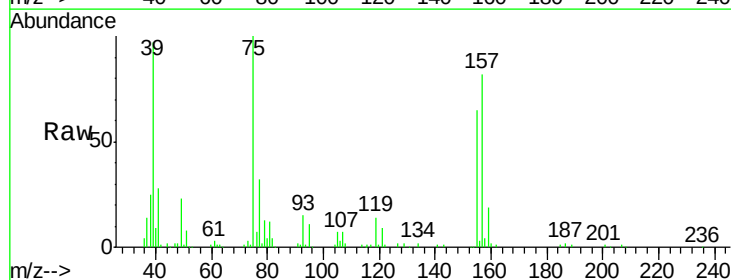
Manual Integrations
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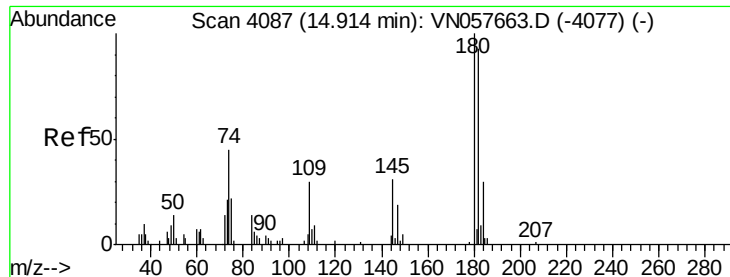
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 9/5/2019 3:21:07 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 137.875 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057665.D
 Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	54.6	82.0
157	82.3	65.5	98.3





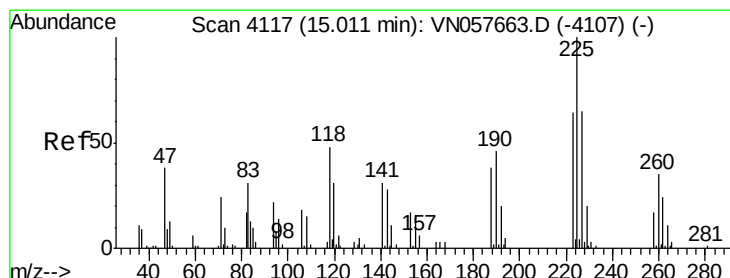
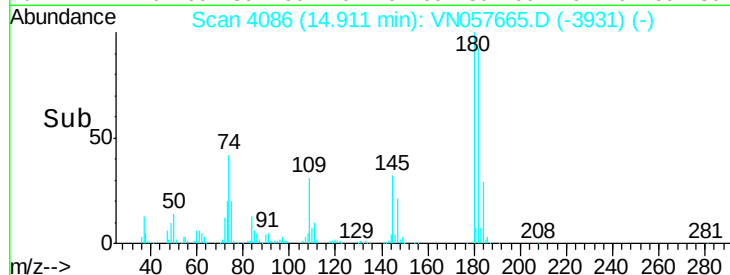
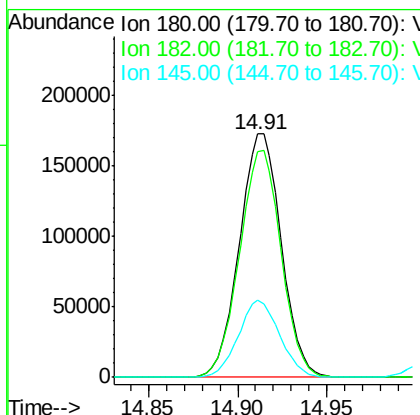
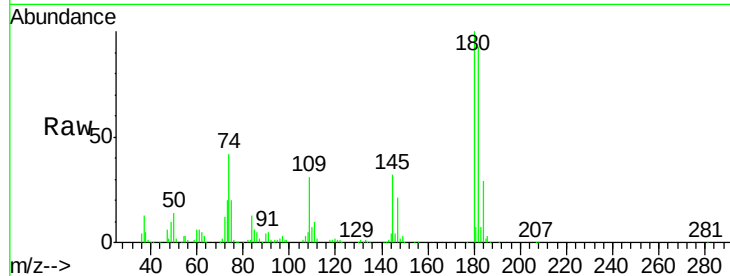
#89
1,2,4-Trichlorobenzene
Concen: 114.189 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282994		
182	92.8		77.4	116.2
145	31.2		25.1	37.7

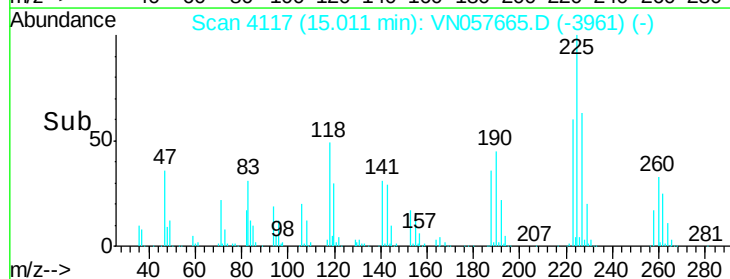
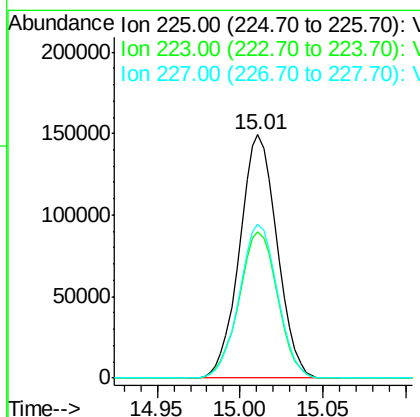
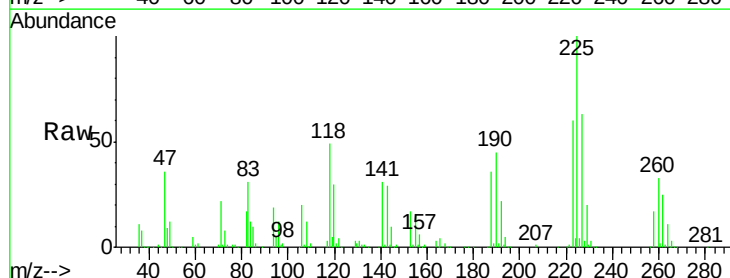
Manual Integrations
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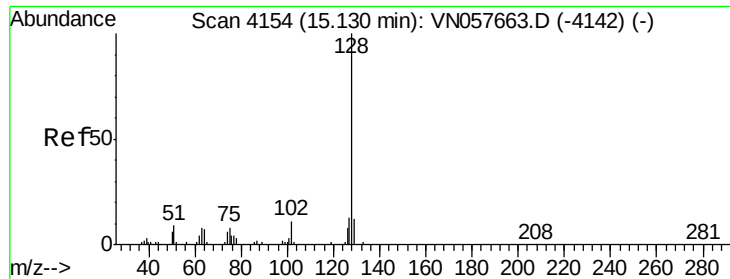
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#90
Hexachlorobutadiene
Concen: 104.240 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	234968		
223	61.9		0.0	131.0
227	64.1		0.0	128.6





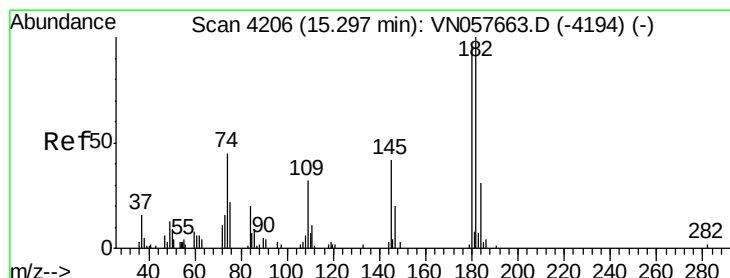
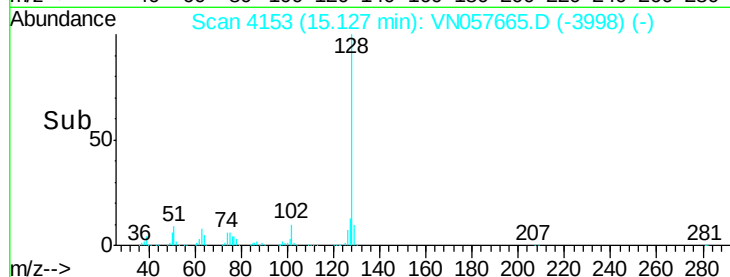
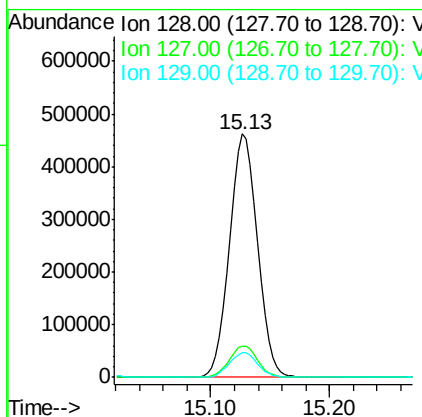
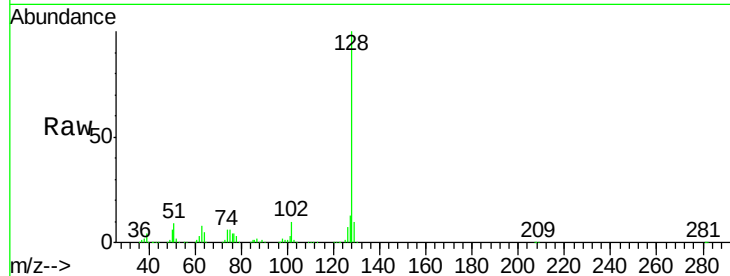
#91
Naphthalene
Concen: 111.726 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	754926		
127	13.0		10.3	15.5
129	10.2		9.1	13.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 111.393 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057665.D
Acq: 3 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272582		
182	97.5		0.0	199.4
145	33.6		0.0	73.2

