

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
 Data File : VN057165.D
 Acq On : 10 Aug 2019 10:14
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:55:23 PM

Quant Time: Aug 11 03:42:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:32:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	155517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	862896	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	749807	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	309285	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	11.92	95	324799	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	9.56	98	1044952	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	189044	22.286	ug/l 100
3) Chloromethane	2.00	50	212358	21.612	ug/l 100
4) Vinyl Chloride	2.11	62	212080	21.216	ug/l 100
5) Bromomethane	2.44	94	150023	21.068	ug/l 100
6) Chloroethane	2.55	64	136882	21.117	ug/l 100
7) Trichlorofluoromethane	2.83	101	321225	21.551	ug/l 100
8) Diethyl Ether	3.14	74	116413	20.955	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	188922	20.954	ug/l 100
10) 1,1-Dichloroethene	3.43	96	186686	20.942	ug/l 100
11) Methyl Iodide	3.63	142	288796	20.762	ug/l 100
12) Methyl Acetate	3.89	43	194547	20.950	ug/l 100
13) Acrolein	3.31	56	101205	98.823	ug/l 100
14) Acrylonitrile	4.45	53	408171	105.353	ug/l 100
15) Acetone	3.48	58	157376	122.394	ug/l 100
16) Carbon Disulfide	3.72	76	489904	20.371	ug/l 100
17) Allyl chloride	3.91	41	284614	21.657	ug/l 100
18) Methylene Chloride	4.10	84	214393	21.214	ug/l 100
19) trans-1,2-Dichloroethene	4.51	96	199084	20.831	ug/l 100
20) Diisopropyl ether	5.31	45	564541	21.063	ug/l 100
21) 1,1-Dichloroethane	5.25	63	351527	21.058	ug/l 100
22) cis-1,2-Dichloroethene	6.21	96	228121	20.972	ug/l 100
23) tert-Butyl Alcohol	4.23	59	136380	106.674	ug/l 100
24) Methyl tert-Butyl Ether	4.49	73	545813	20.821	ug/l 100
25) Chloroform	6.75	83	354696	20.664	ug/l 100
26) Cyclohexane	7.07	56	293886	20.594	ug/l # 100
29) 1,1-Dichloropropene	7.20	75	271665	20.935	ug/l 100
30) 2-Butanone	6.20	43	556843	108.996	ug/l 100
31) 2,2-Dichloropropane	6.21	77	288960	20.827	ug/l 100
32) 1,1,1-Trichloroethane	6.98	97	311567	20.733	ug/l 100
33) Carbon Tetrachloride	7.18	117	274751	20.538	ug/l 100
34) Benzene	7.46	78	812342	20.508	ug/l 100
35) Methacrylonitrile	6.55	41	108116	20.939	ug/l 100
36) 1,2-Dichloroethane	7.54	62	263357	20.812	ug/l 100
37) Trichloroethene	8.27	130	232343	20.641	ug/l 100
38) Methylcyclohexane	8.53	83	317306	20.491	ug/l 100
39) 1,2-Dichloropropane	8.56	63	210158	11.990	ug/l 100
40) Dibromomethane	8.65	93	138075	21.006	ug/l 100

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	272177	20.824	ug/l	100
42) Vinyl Acetate	5.26	43	2185610	102.907	ug/l	100
43) Ethyl Acetate	6.28	43	202892	21.533	ug/l	100
44) Isopropyl Acetate	7.56	43	355259	20.766	ug/l	100
45) 1,4-Dioxane	8.64	88	67929	425.491	ug/l	100
46) Methyl methacrylate	8.63	41	156975	20.125	ug/l	100
47) n-amyl Acetate	11.59	43	234062	18.597	ug/l	100
48) t-1,3-Dichloropropene	9.85	75	282086	20.240	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	320852	22.407	ug/l	100
50) 1,1,2-Trichloroethane	10.04	97	194517	20.705	ug/l	100
51) Ethyl methacrylate	9.90	69	263859	19.902	ug/l	100
52) 1,3-Dichloropropane	10.19	76	324949	20.751	ug/l	100
53) Dibromochloromethane	10.39	129	215084	20.318	ug/l	100
54) 1,2-Dibromoethane	10.49	107	200281	20.423	ug/l	100
55) 2-Chloroethyl vinyl ether	9.15	63	329405	87.997	ug/l	100
56) Bromoform	11.64	173	153945	19.680	ug/l	100
58) 4-Methyl-2-Pentanone	9.45	43	1013604	105.229	ug/l	100
59) 2-Hexanone	10.24	43	732162	105.726	ug/l	100
61) Tetrachloroethene	10.11	164	244780	21.270	ug/l	100
62) Toluene	9.63	91	885991	20.759	ug/l	100
64) Chlorobenzene	10.93	112	536525	20.439	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.01	131	204427	20.308	ug/l	100
66) Ethyl Benzene	11.01	91	939028	20.525	ug/l	100
67) m/p-Xylenes	11.12	106	710339	41.173	ug/l	100
68) o-Xylene	11.46	106	346135	20.665	ug/l	100
69) Styrene	11.47	104	539375	20.082	ug/l	100
70) Isopropylbenzene	11.76	105	931510	20.656	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	255602	20.695	ug/l	100
72) 1,2,3-Trichloropropane	12.07	75	221081m	20.188	ug/l	
73) Bromobenzene	12.04	156	232017	19.841	ug/l	100
74) n-propylbenzene	12.11	91	932137	19.690	ug/l	100
75) 2-Chlorotoluene	12.19	91	591948	20.216	ug/l	100
76) 1,3,5-Trimethylbenzene	12.26	105	781193	21.429	ug/l	88
77) t-1,4-Dichloro-2-butene	11.81	75	68614	18.861	ug/l	100
78) 4-Chlorotoluene	12.30	91	524244	19.277	ug/l	100
79) tert-butylbenzene	12.52	119	687025	20.528	ug/l	100
80) 1,2,4-Trimethylbenzene	12.57	105	716047	19.996	ug/l	100
81) sec-Butylbenzene	12.70	105	848765	20.114	ug/l	100
82) p-Isopropyltoluene	12.82	119	719240	19.142	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	335890	18.864	ug/l	100
84) 1,4-Dichlorobenzene	12.89	146	300988	18.172	ug/l	100
85) n-Butylbenzene	13.15	91	503341	18.527	ug/l	100
86) Hexachloroethane	13.41	117	133337	19.516	ug/l	100
87) 1,2-Dichlorobenzene	13.19	146	345209	19.550	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.81	75	32573	18.797	ug/l	100
89) 1,2,4-Trichlorobenzene	14.45	180	103975	14.697	ug/l	100
90) Hexachlorobutadiene	14.55	225	150700	19.796	ug/l	100
91) Naphthalene	14.67	128	179141	13.365	ug/l	100
92) 1,2,3-Trichlorobenzene	14.83	180	107069	16.471	ug/l	100

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Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Sun Aug 11 03:32:59 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

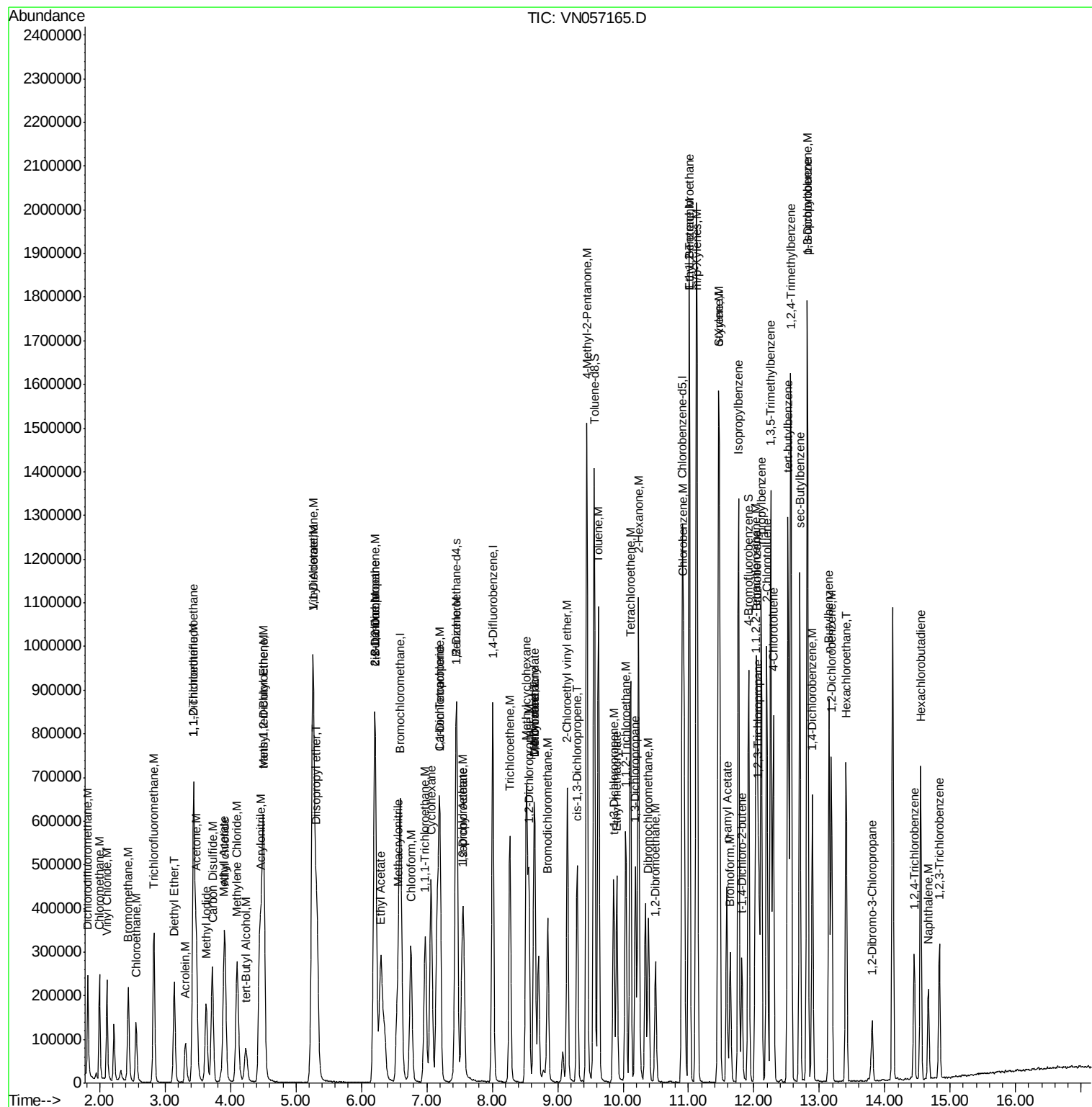
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
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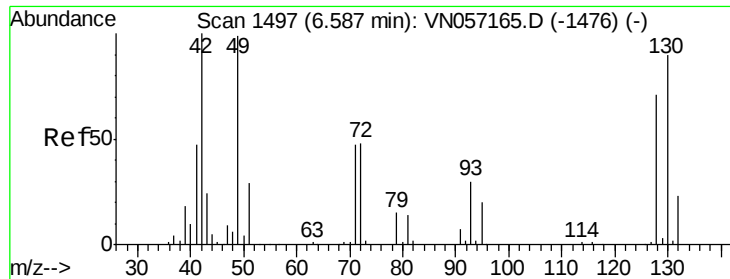
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC020

Manual Integrations
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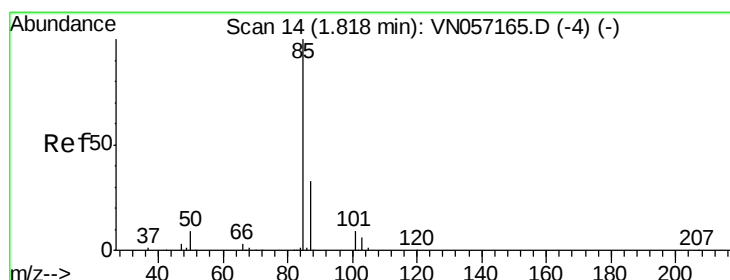
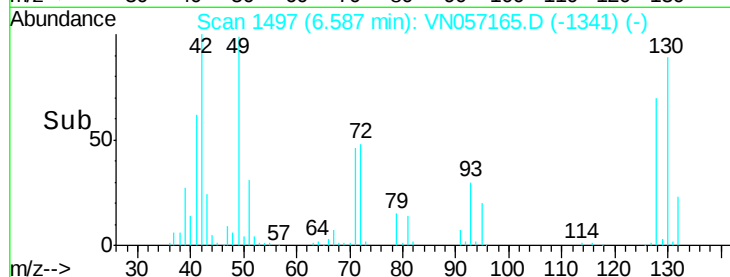
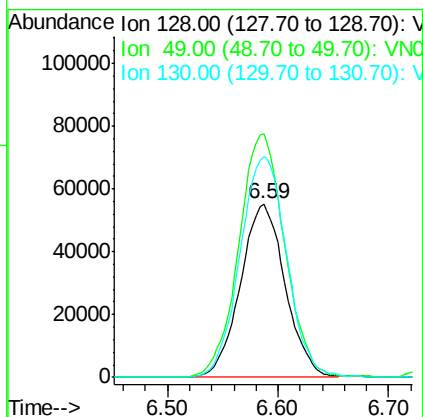
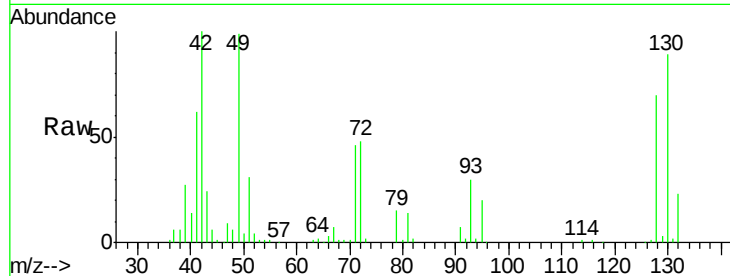
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 6.59 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	144.4	0.0	361.0
130	131.8	0.0	329.5

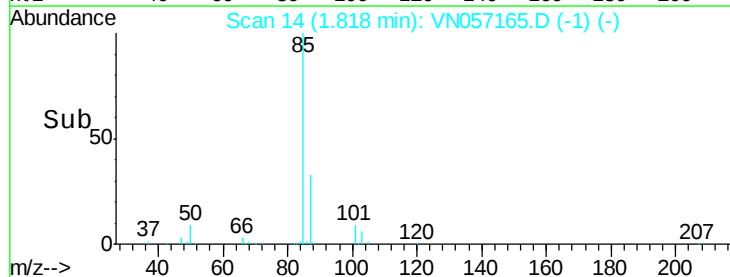
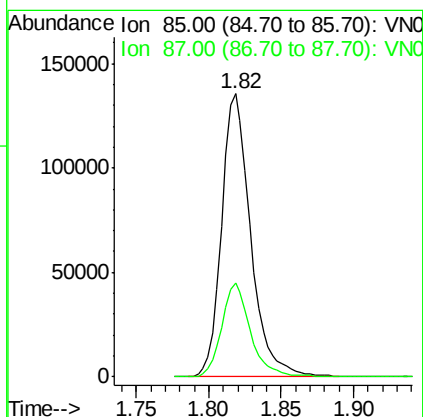
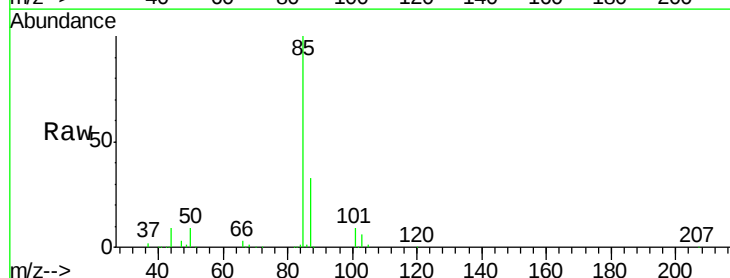
Manual Integrations
APPROVED

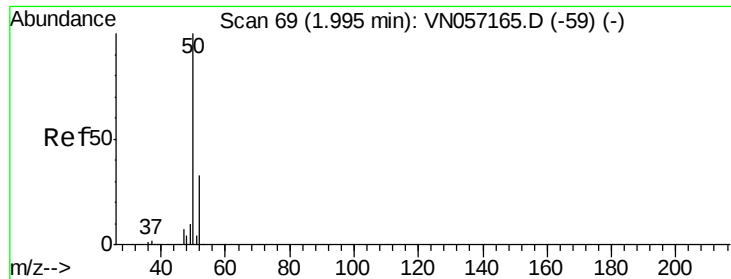
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#2
Dichlorodifluoromethane
Concen: 22.286 ug/l
RT: 1.82 min Scan# 14
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5





#3

Chloromethane

Concen: 21.612 ug/l

RT: 2.00 min Scan# 69

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 212358

Ion Ratio Lower Upper

50 100

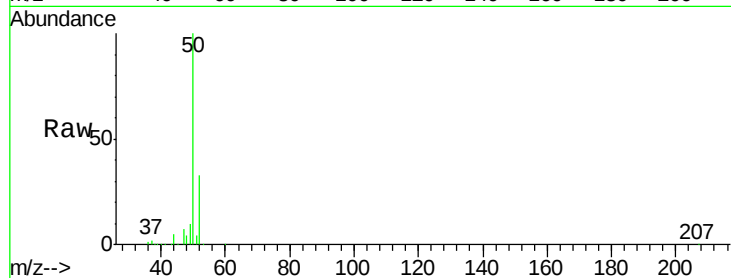
52 33.1 26.5 39.7

Manual Integrations

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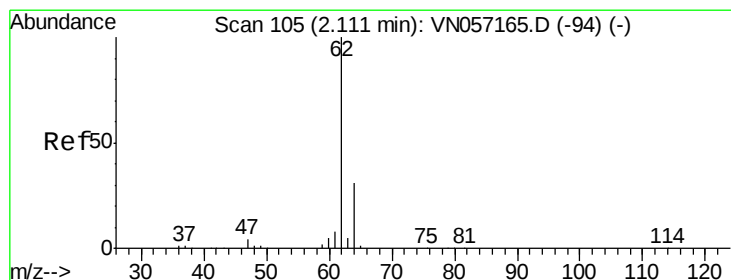
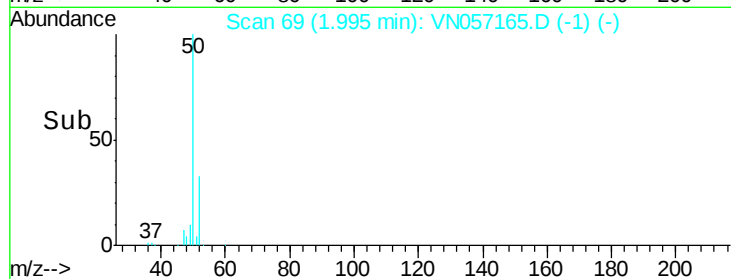
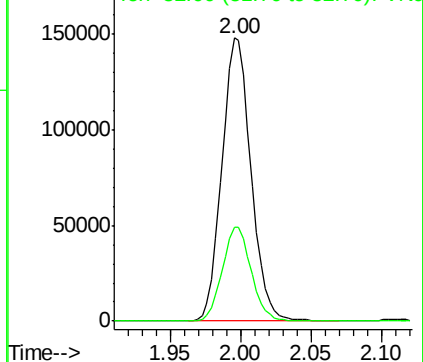
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 21.216 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057165.D

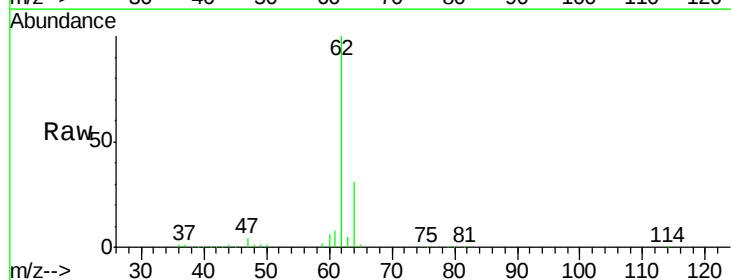
Acq: 10 Aug 2019 10:14

Tgt Ion: 62 Resp: 212080

Ion Ratio Lower Upper

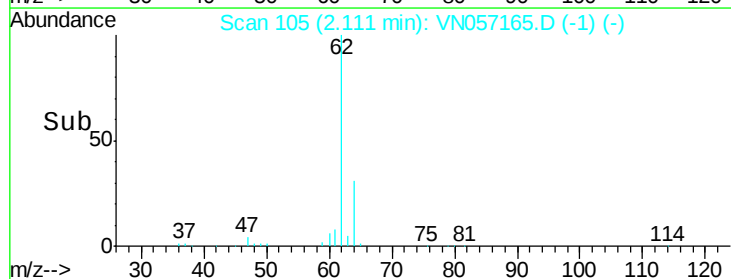
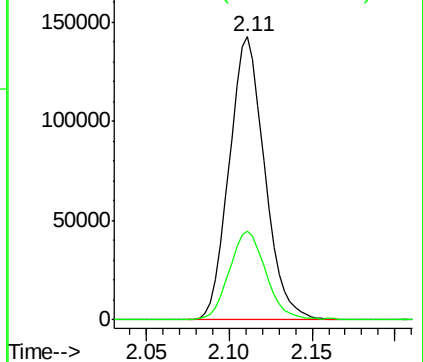
62 100

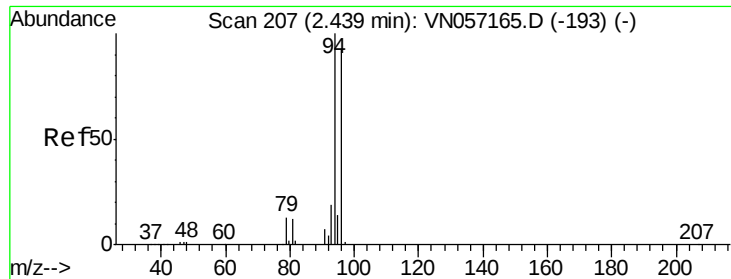
64 31.2 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 21.068 ug/l

RT: 2.44 min Scan# 207

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 150023

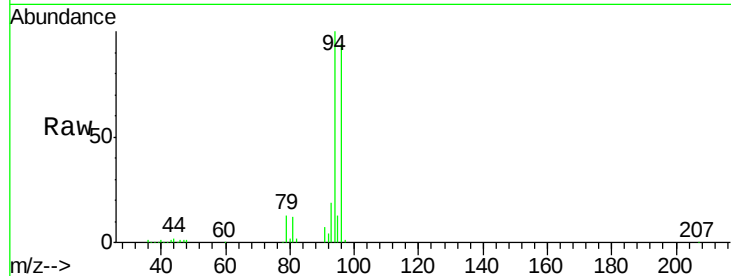
Ion Ratio Lower Upper

94 100

96 93.4 74.7 112.1

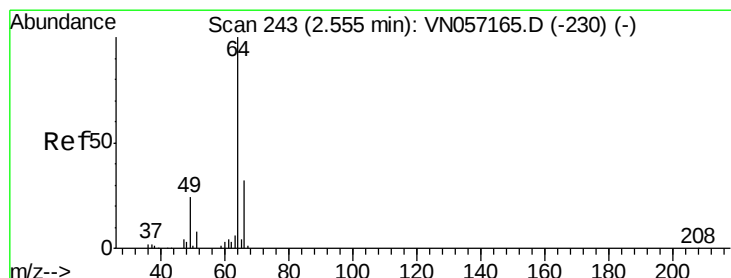
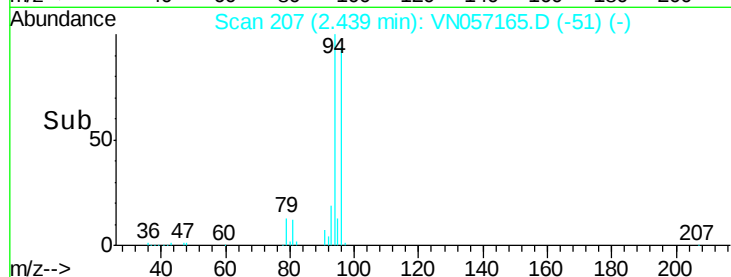
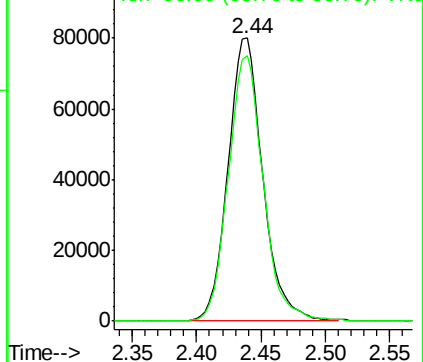
Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 21.117 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN057165.D

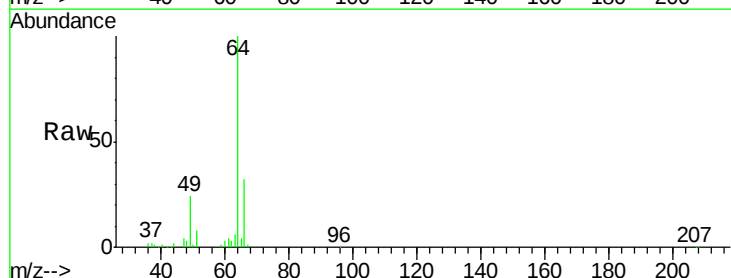
Acq: 10 Aug 2019 10:14

Tgt Ion: 64 Resp: 136882

Ion Ratio Lower Upper

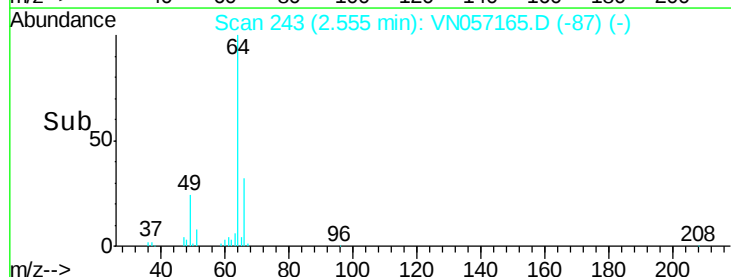
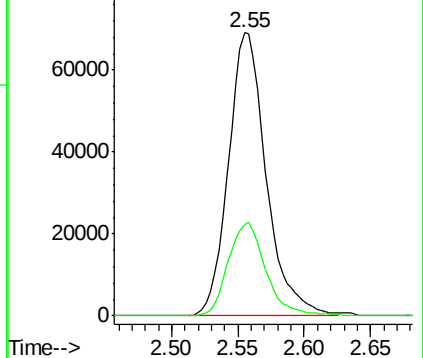
64 100

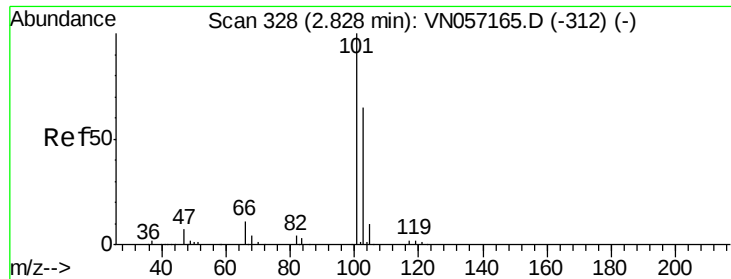
66 32.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

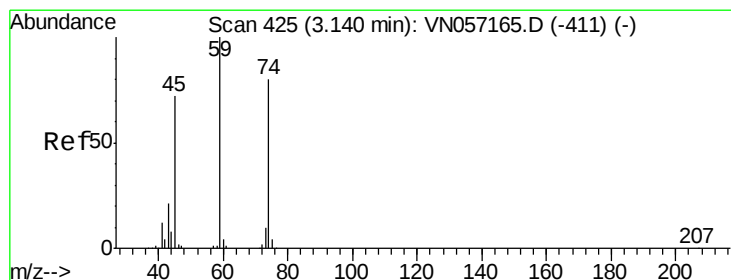
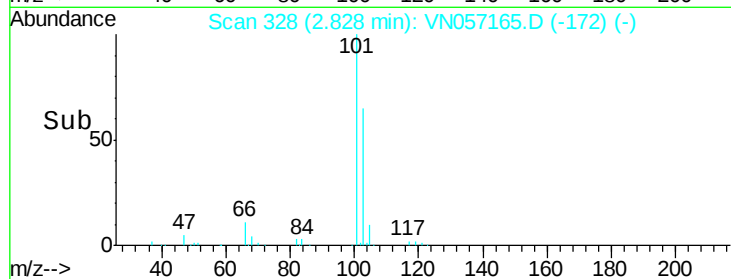
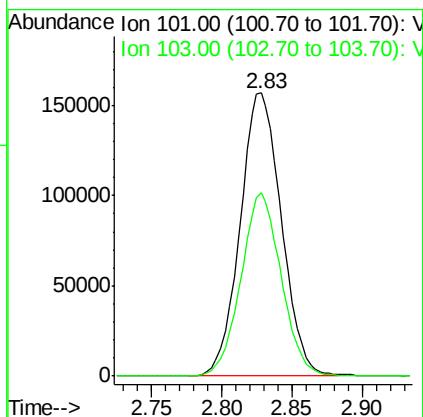
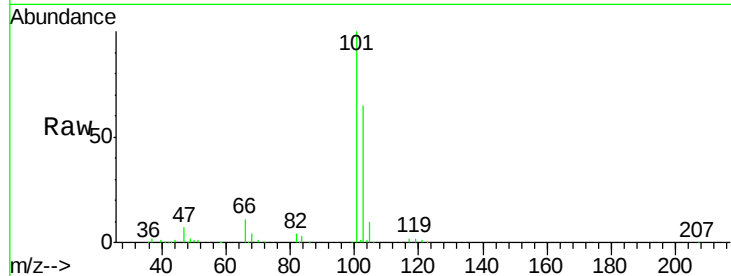
Trichlorofluoromethane
Concen: 21.551 ug/l
RT: 2.83 min Scan# 328
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	321225		
103	64.8	51.8	77.8	

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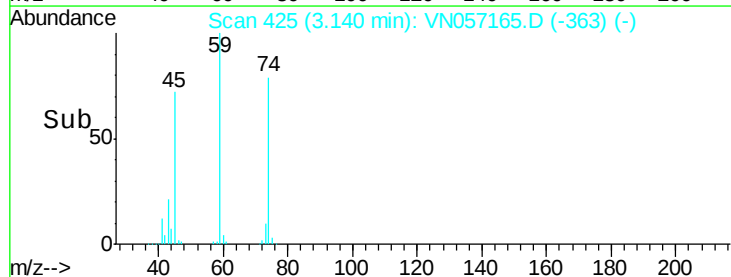
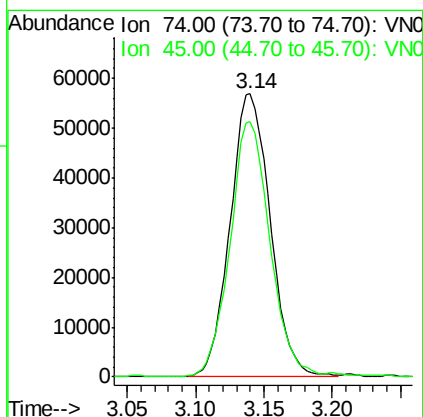
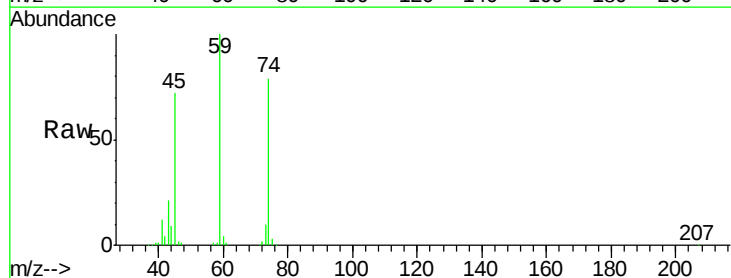
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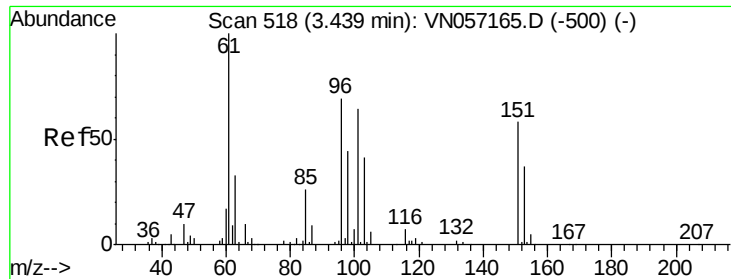


#8

Diethyl Ether
Concen: 20.955 ug/l
RT: 3.14 min Scan# 425
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	116413		
45	89.7	17.9	161.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.954 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

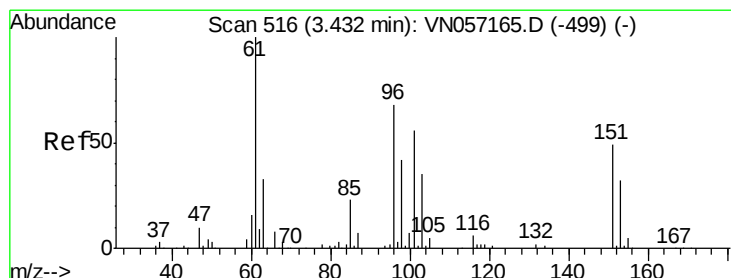
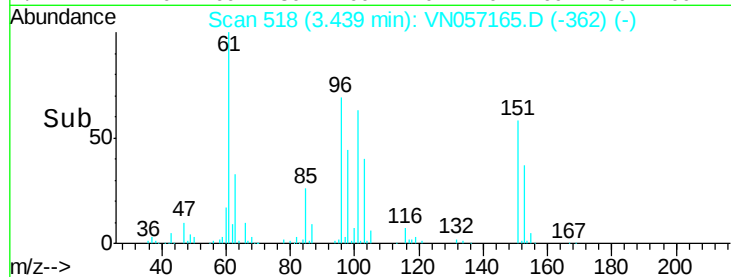
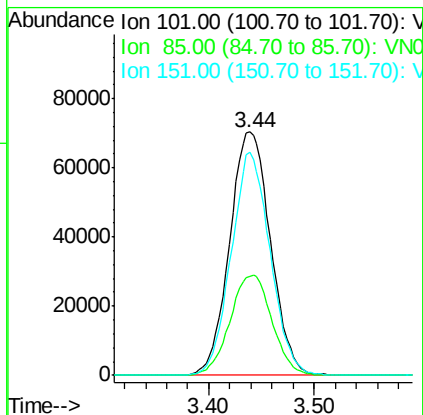
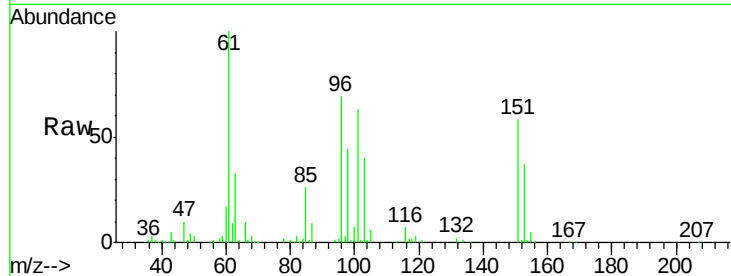
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	188922
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	84.4
151	87.5	0.0	175.0

Manual Integrations
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MMDadoda
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#10

1,1-Dichloroethene

Concen: 20.942 ug/l

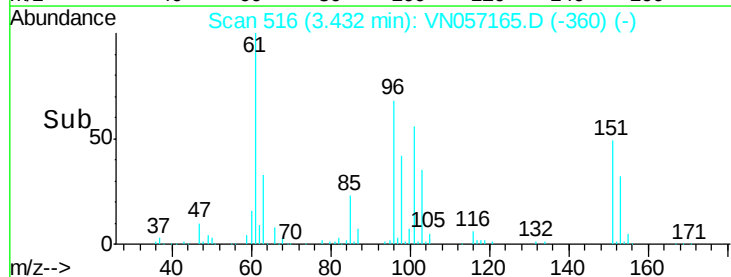
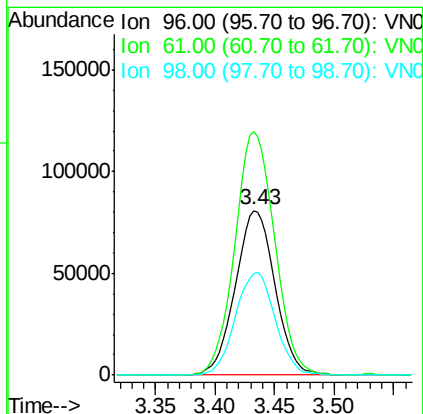
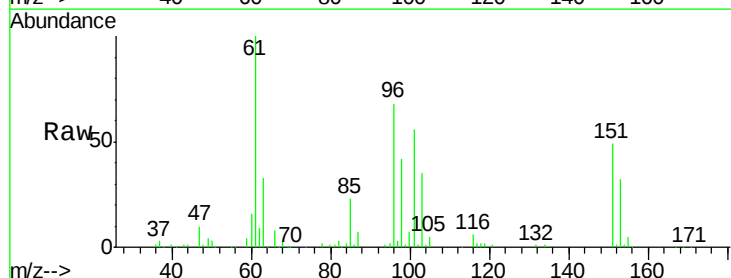
RT: 3.43 min Scan# 516

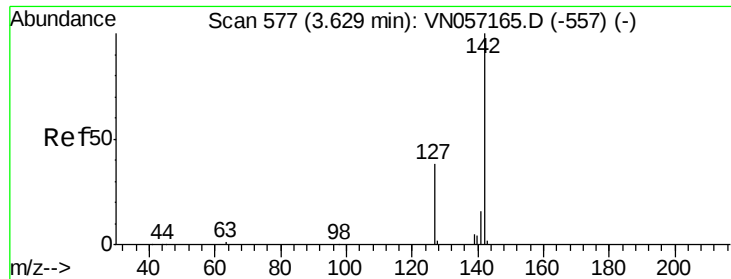
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	96	Resp:	186686
Ion Ratio	Lower	Upper	
96	100		
61	147.7	118.2	177.2
98	61.6	49.3	73.9





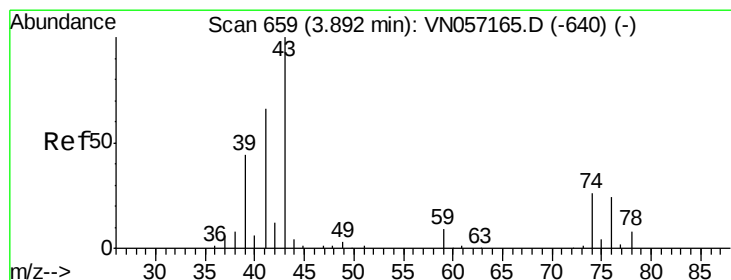
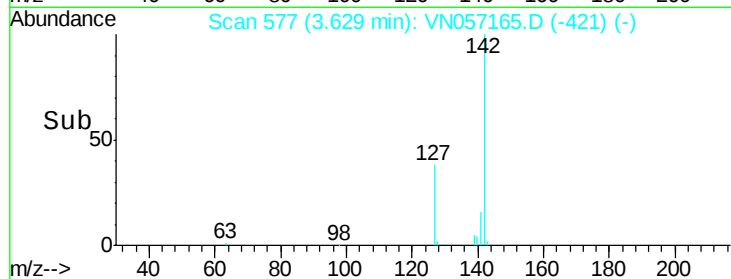
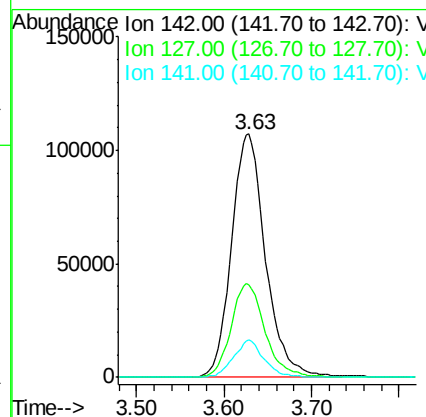
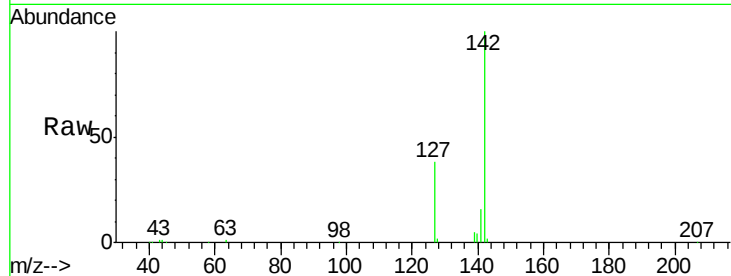
#11
Methyl Iodide
Concen: 20.762 ug/l
RT: 3.63 min Scan# 577
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
142	100	288796		
127	38.0		19.0	57.0
141	15.7		7.8	23.5

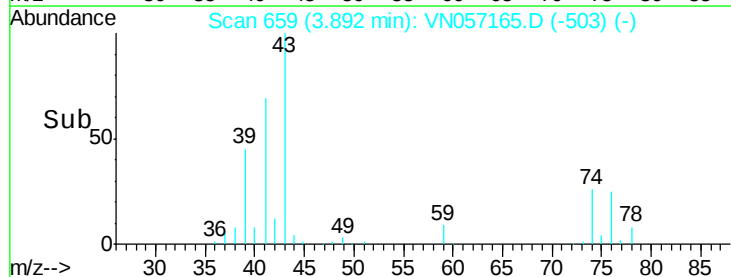
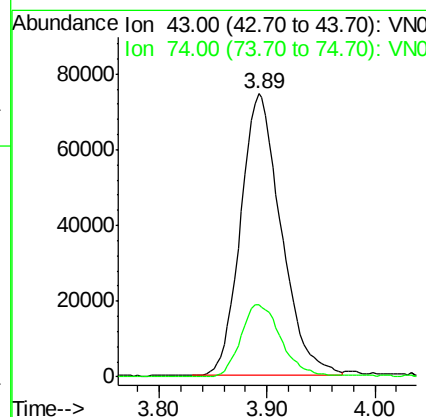
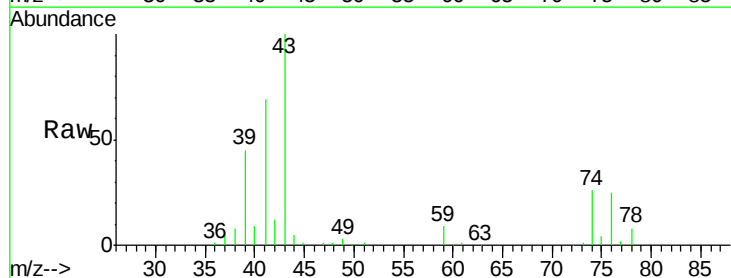
Manual Integrations
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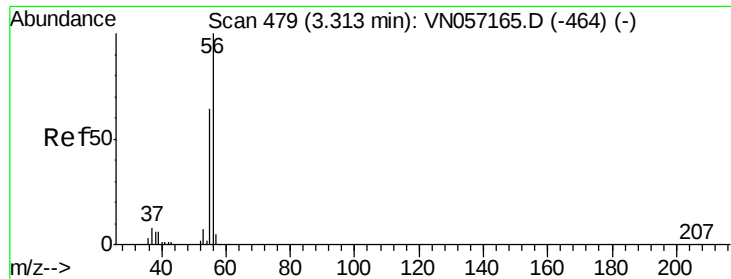
MMDadoda
8/12/2019 3:55:23 PM



#12
Methyl Acetate
Concen: 20.950 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	194547		
74	25.6		20.5	30.7





#13

Acrolein

Concen: 98.823 ug/l

RT: 3.31 min Scan# 479

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 101205

Ion Ratio Lower Upper

56 100

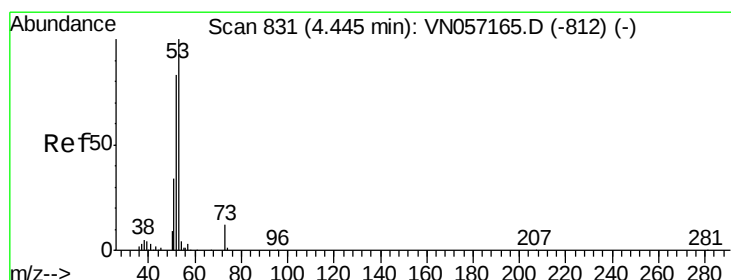
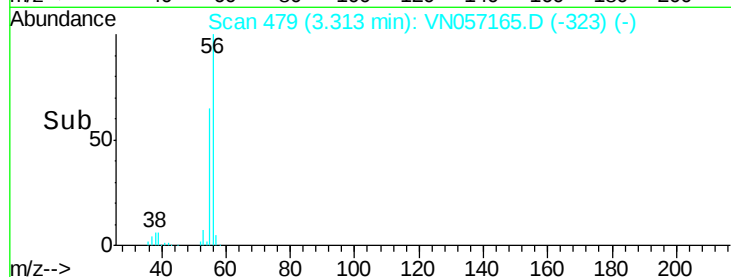
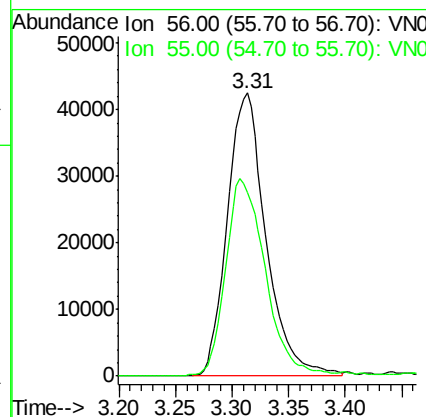
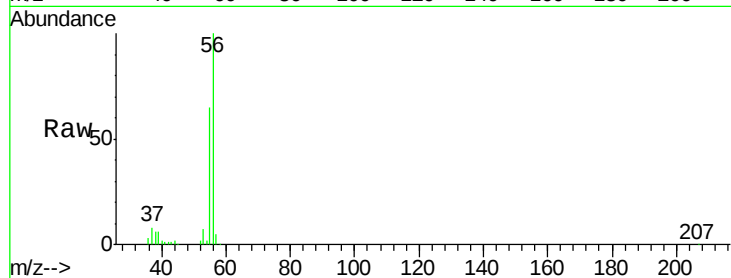
55 70.6 56.5 84.7

Manual Integrations

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#14

Acrylonitrile

Concen: 105.353 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

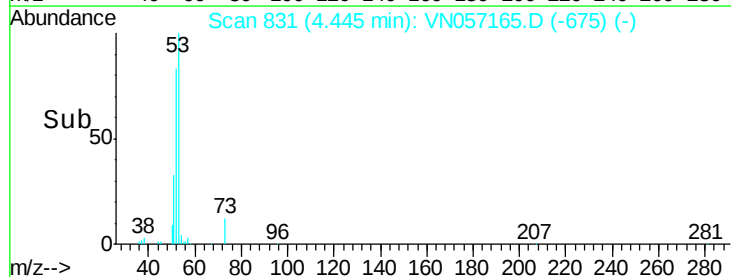
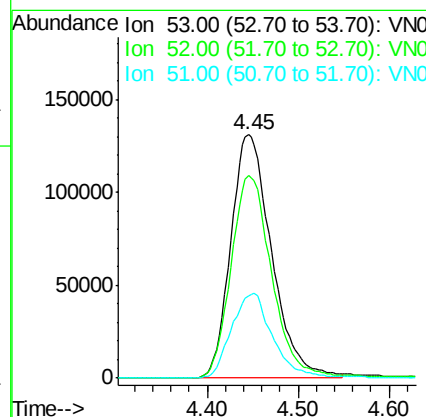
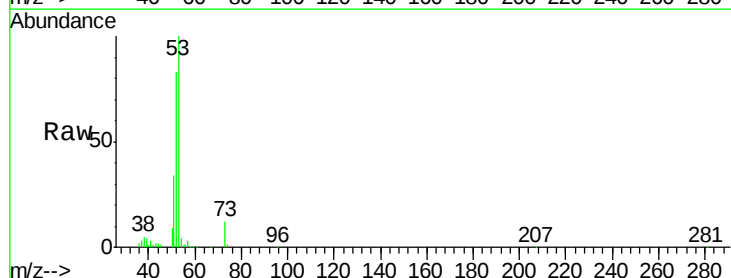
Tgt Ion: 53 Resp: 408171

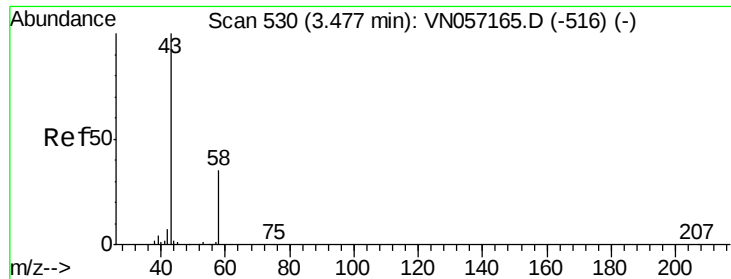
Ion Ratio Lower Upper

53 100

52 82.3 41.1 123.4

51 34.9 17.4 52.3





#15

Acetone

Concen: 122.394 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 157376

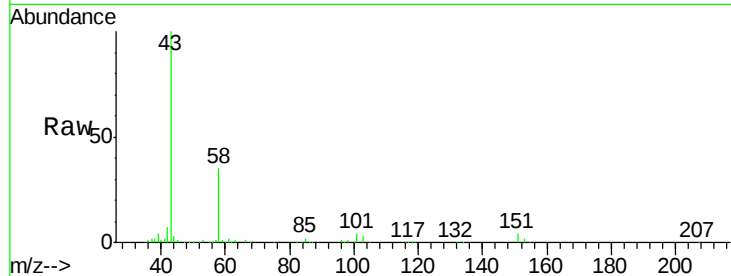
Ion Ratio Lower Upper

58 100

43 282.7 226.2 339.2

Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

200000

150000

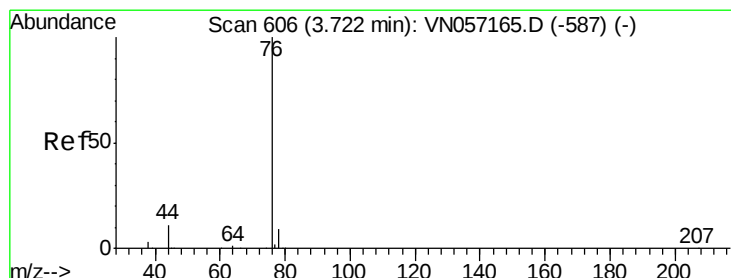
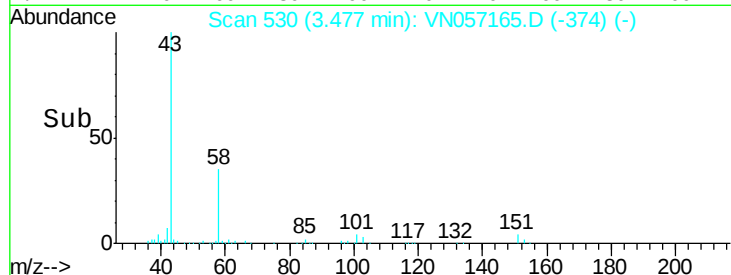
100000

50000

0

3.40 3.50 3.60

Time-->



#16

Carbon Disulfide

Concen: 20.371 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057165.D

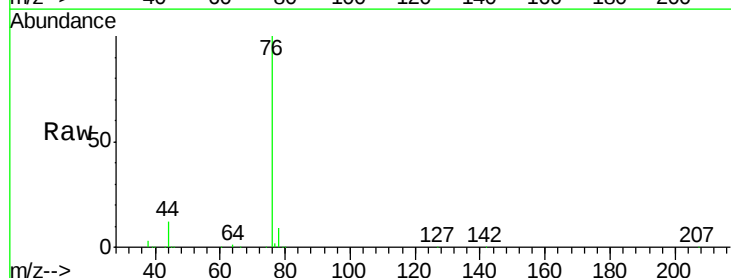
Acq: 10 Aug 2019 10:14

Tgt Ion: 76 Resp: 489904

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

200000

150000

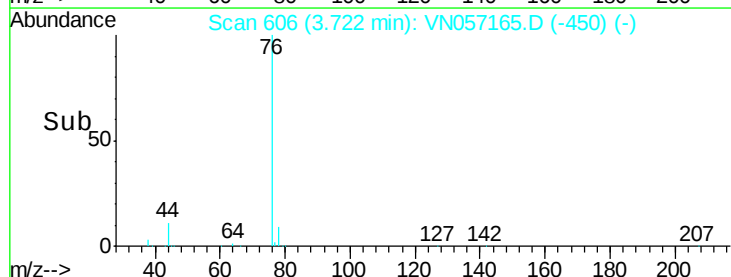
100000

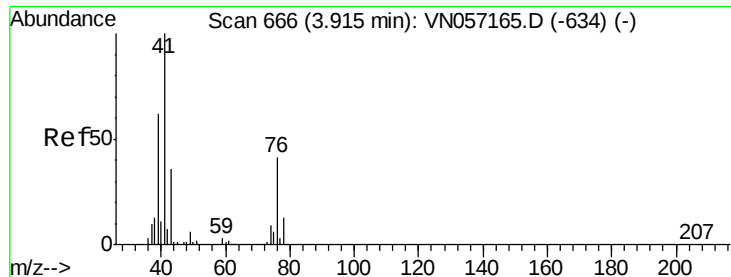
50000

0

3.60 3.70 3.80

Time-->





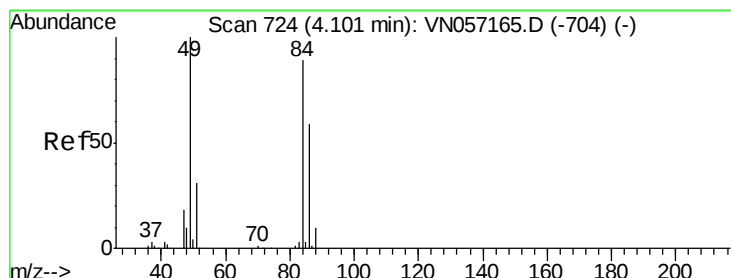
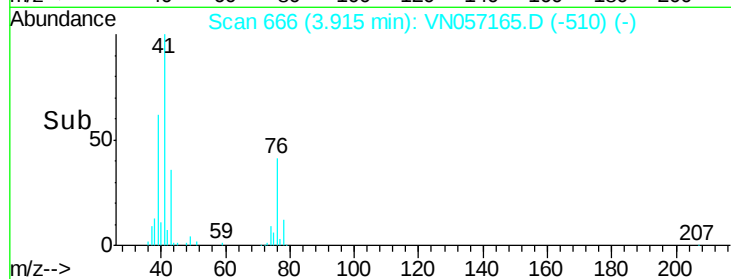
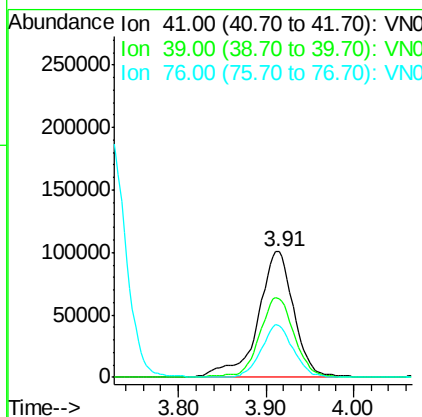
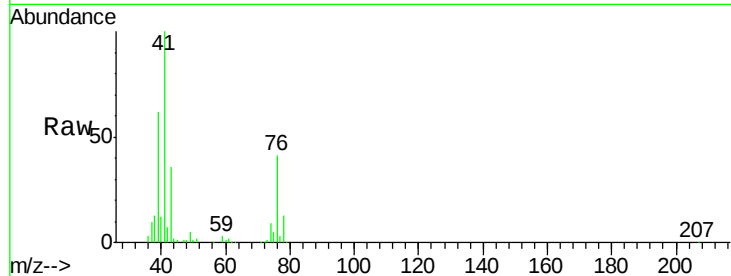
#17
Allvl chloride
Concen: 21.657 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	284614		
39	62.4		31.2	93.6
76	41.1		20.5	61.6

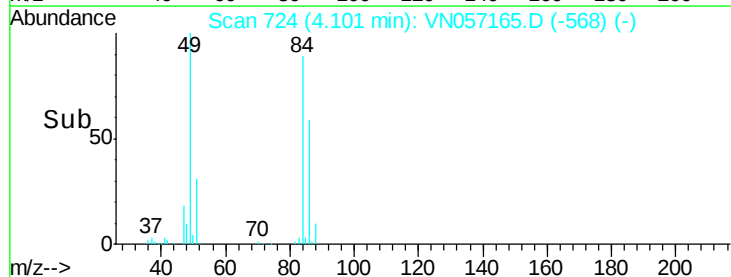
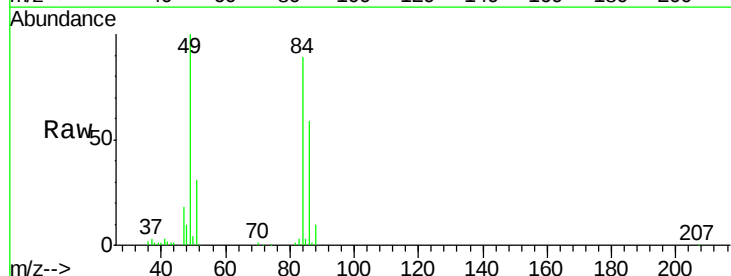
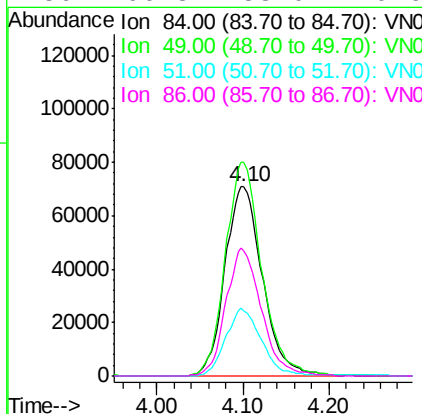
Manual Integrations
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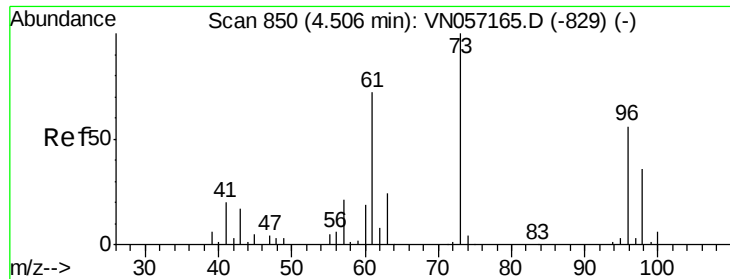
MMDadoda
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#18
Methylene Chloride
Concen: 21.214 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	214393		
49	112.6		90.1	135.1
51	34.9		27.9	41.9
86	66.3		53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 20.831 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 96 Resp: 199084

Ion Ratio Lower Upper

96 100

61 129.5 103.6 155.4

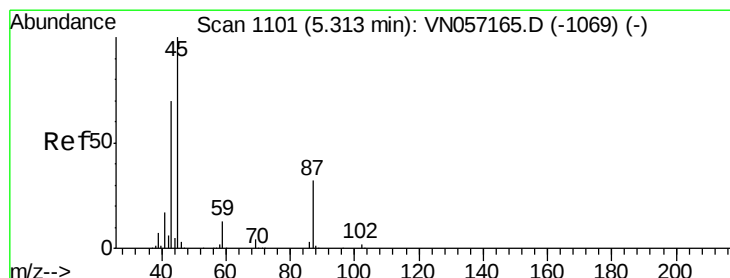
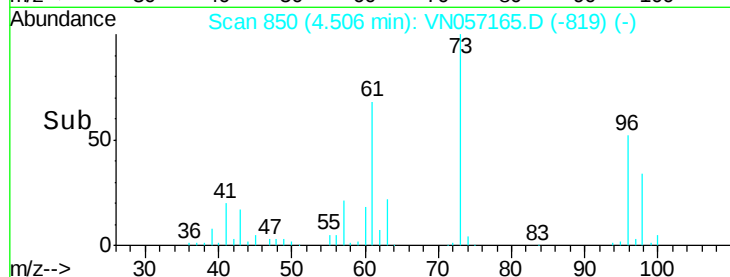
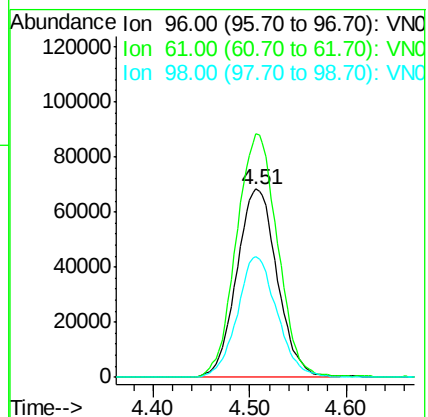
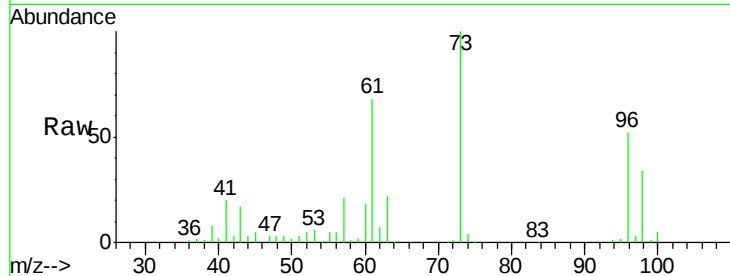
98 64.1 51.3 76.9

Manual Integrations

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#20

Diisopropyl ether

Concen: 21.063 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion: 45 Resp: 564541

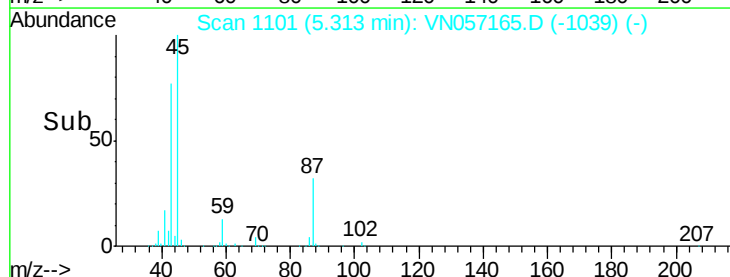
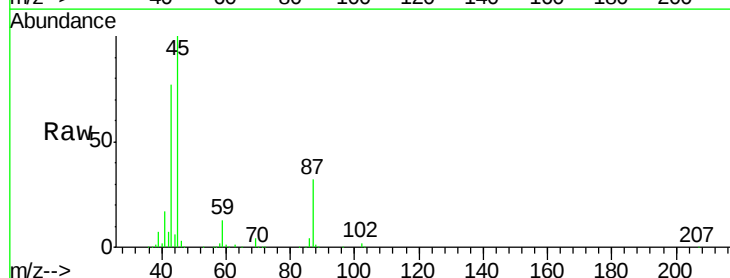
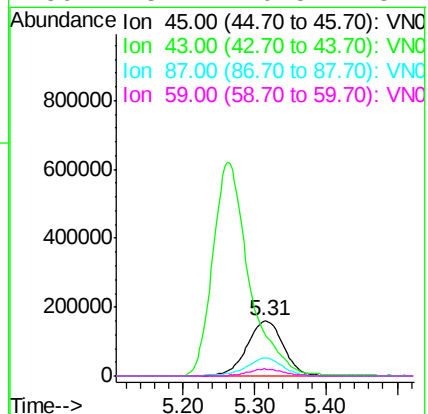
Ion Ratio Lower Upper

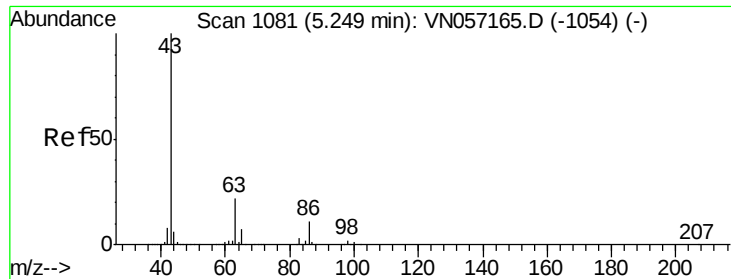
45 100

43 75.0 60.0 90.0

87 32.4 25.9 38.9

59 13.1 10.5 15.7





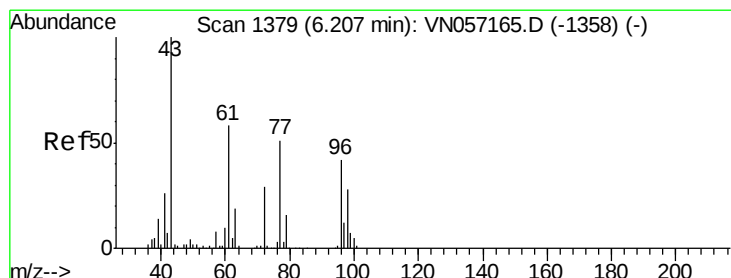
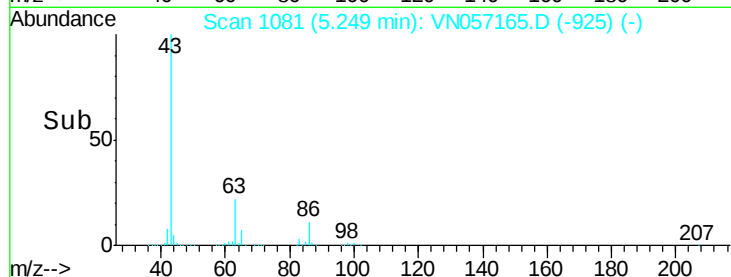
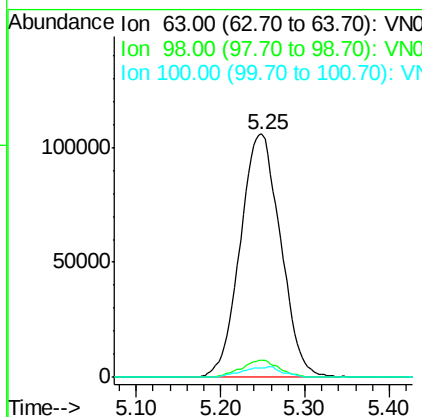
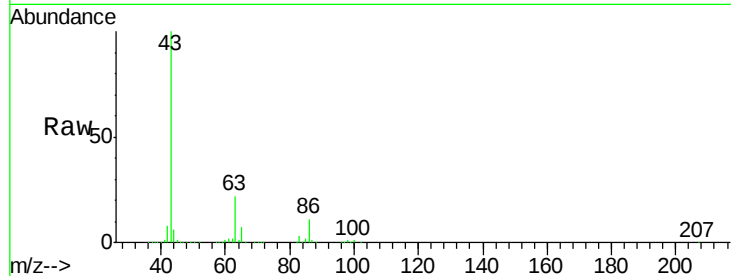
#21
 1,1-Dichloroethane
 Concen: 21.058 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.9	3.5	10.4
100	3.8	1.9	5.7

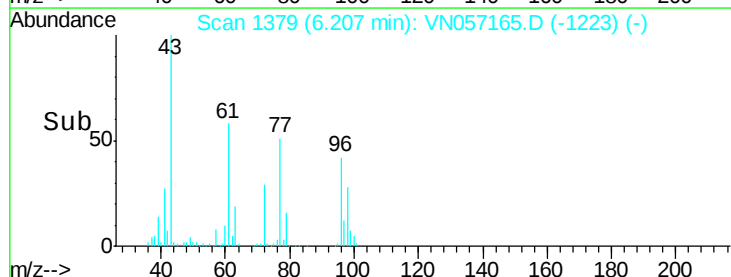
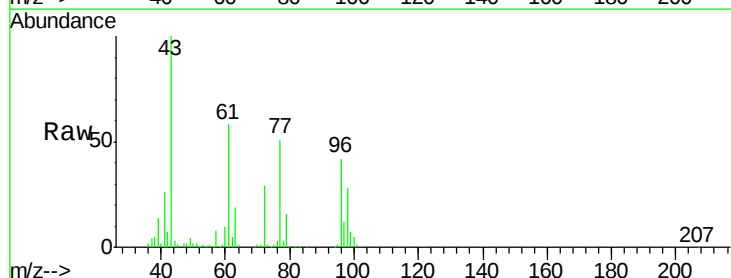
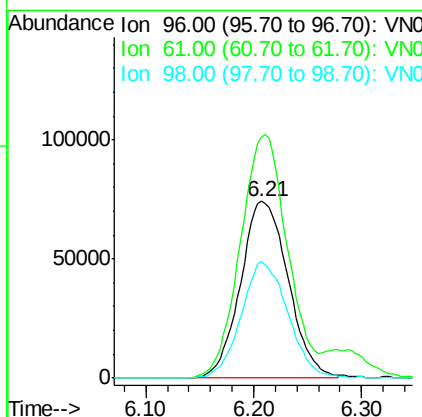
Manual Integrations
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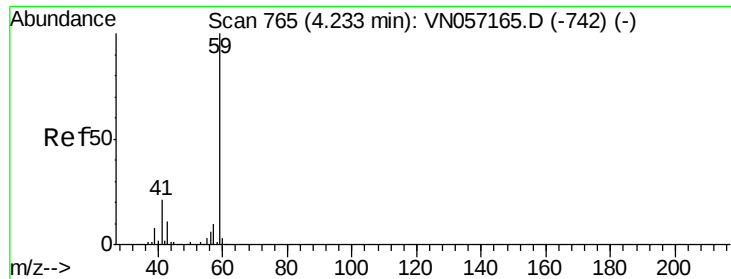
MMDadoda
 8/12/2019 3:55:23 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.972 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	136.5	109.2	163.8
98	64.6	51.7	77.5





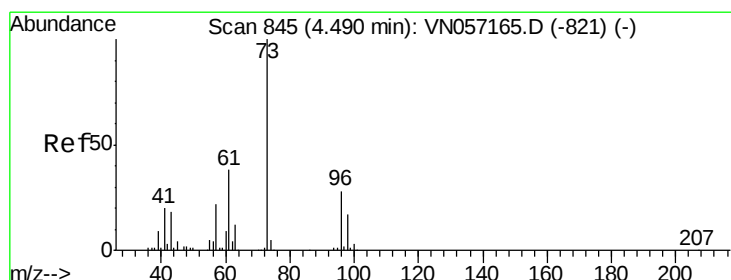
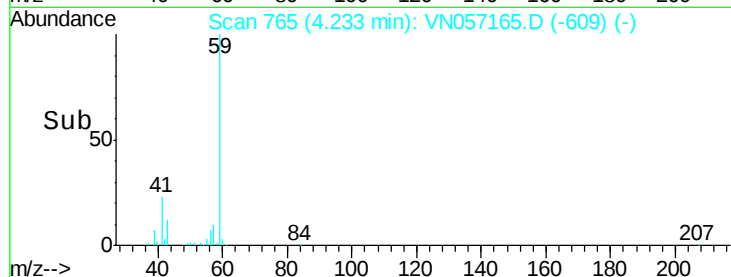
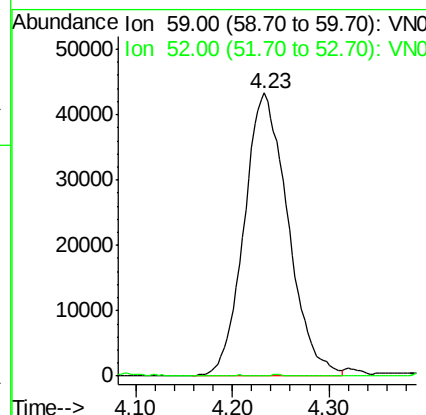
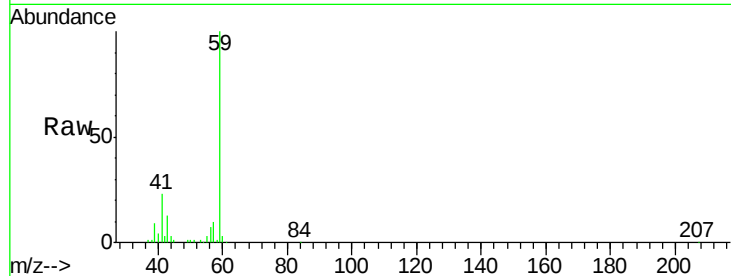
#23
 tert-Butyl Alcohol
 Concen: 106.674 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

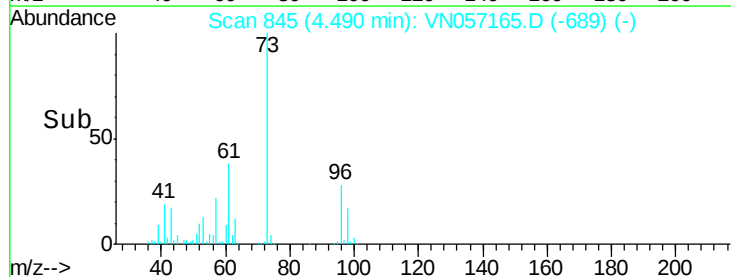
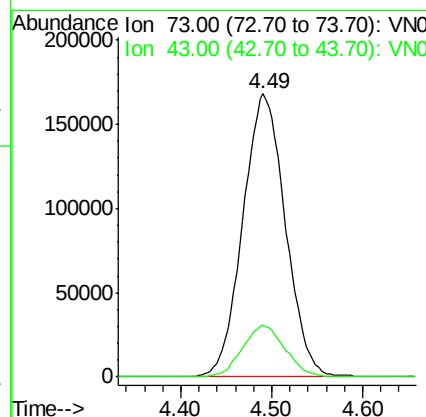
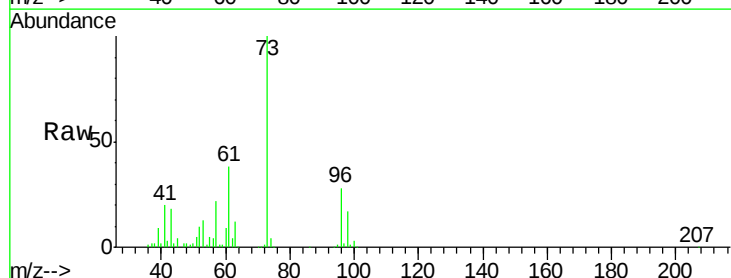
Manual Integrations
 APPROVED

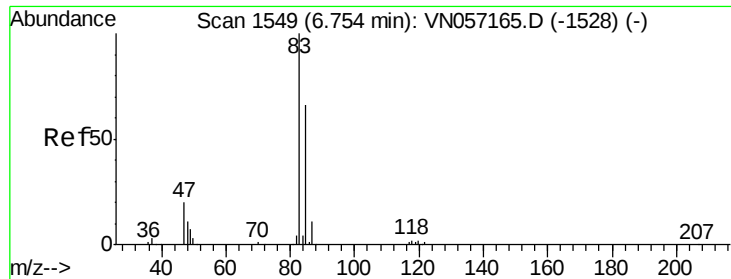
MMDadoda
 8/12/2019 3:55:23 PM



#24
 Methyl tert-Butyl Ether
 Concen: 20.821 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.9	14.3	21.5





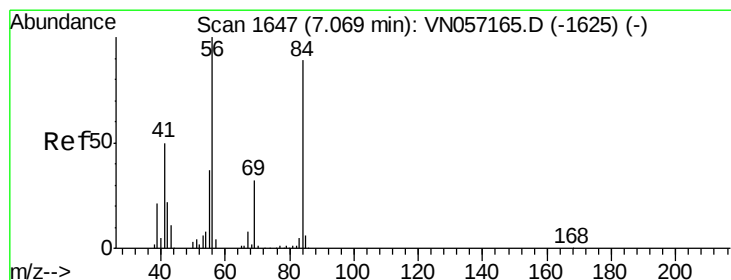
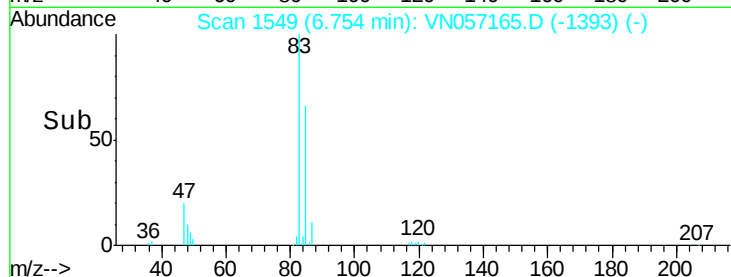
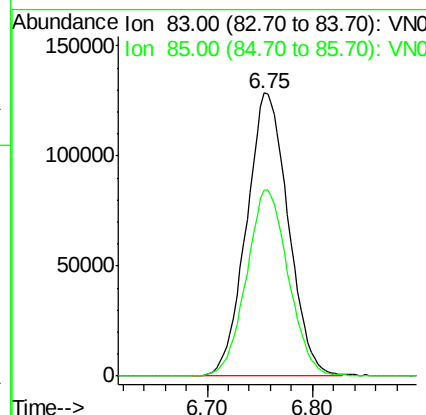
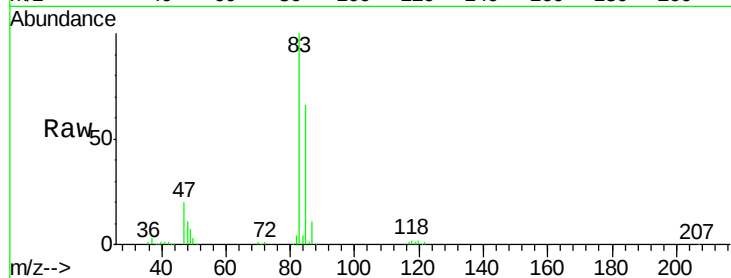
#25
Chloroform
Concen: 20.664 ug/l
RT: 6.75 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	83	Resp	354696
Ion Ratio	100	Lower	Upper
85	65.6	52.5	78.7

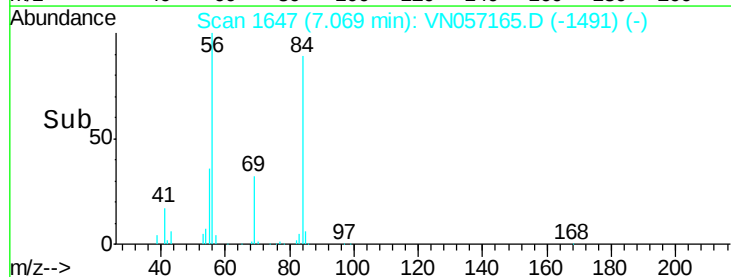
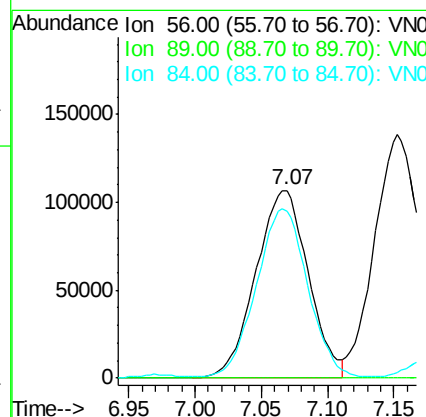
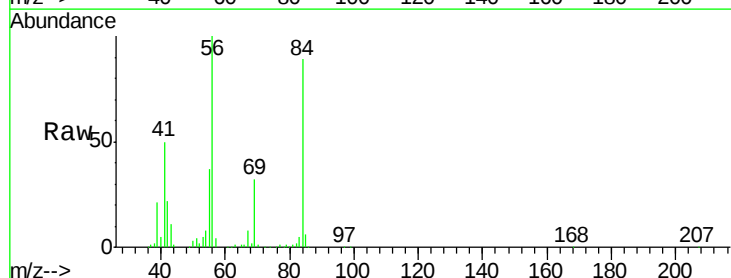
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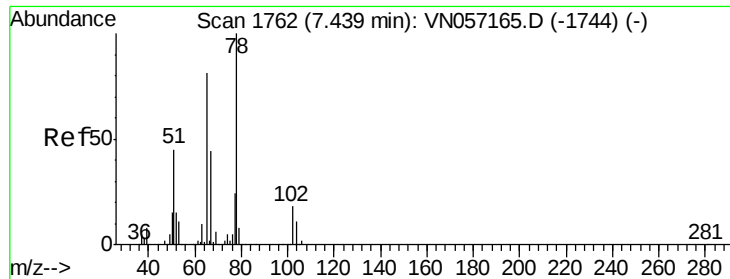
MMDadoda
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#26
Cyclohexane
Concen: 20.594 ug/l
RT: 7.07 min Scan# 1647
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	56	Resp	293886
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	88.5	70.8	106.2





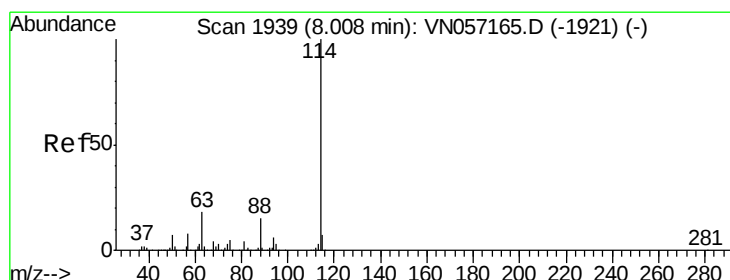
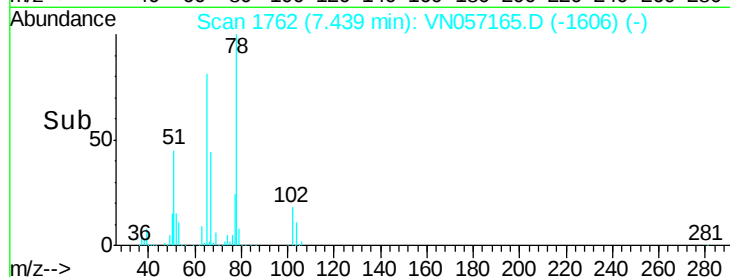
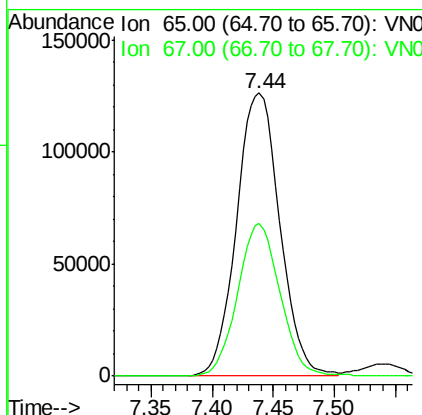
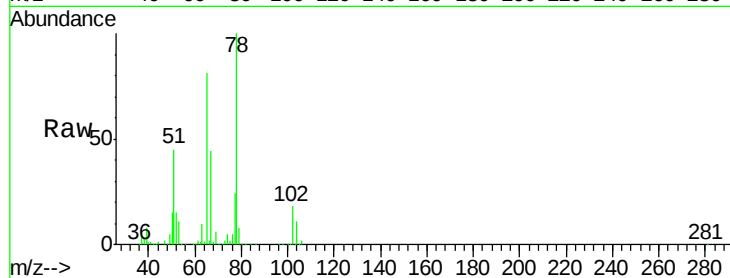
#27
 1,2-Dichloroethane-d4
 Concen: 30.509 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	42.4	63.6

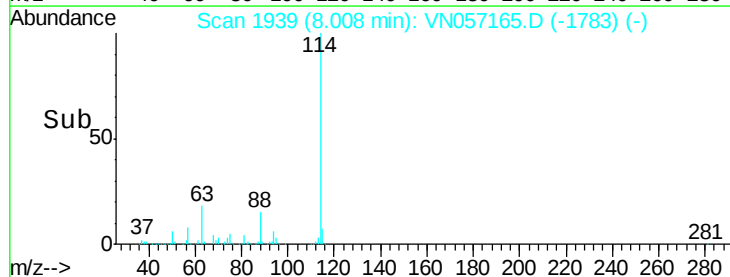
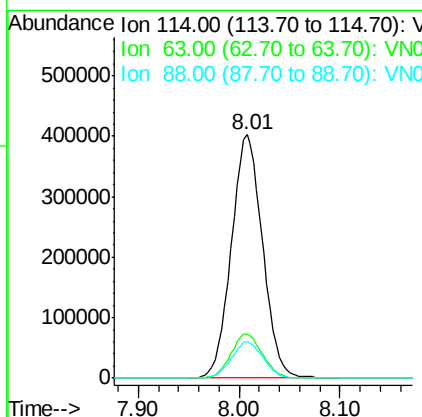
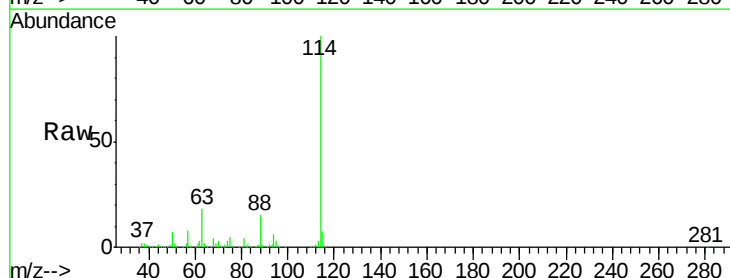
Manual Integrations
 APPROVED

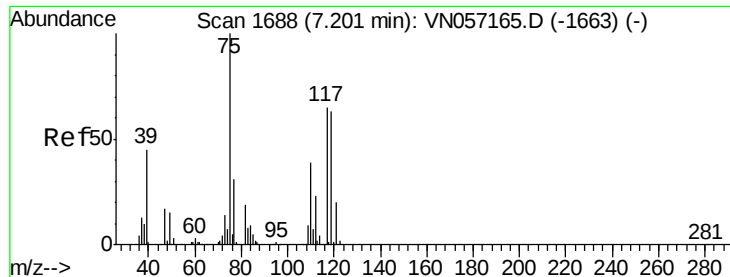
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.6	21.8
88	15.2	12.2	18.2





#29

1,1-Dichloropropene

Concen: 20.935 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

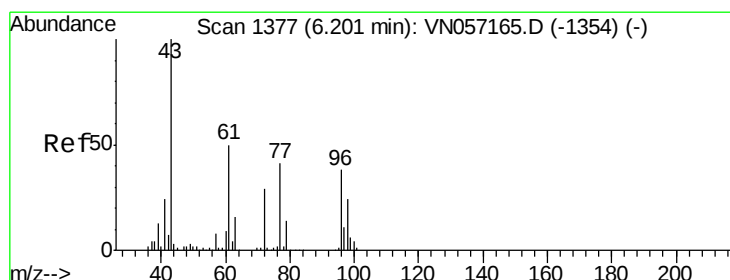
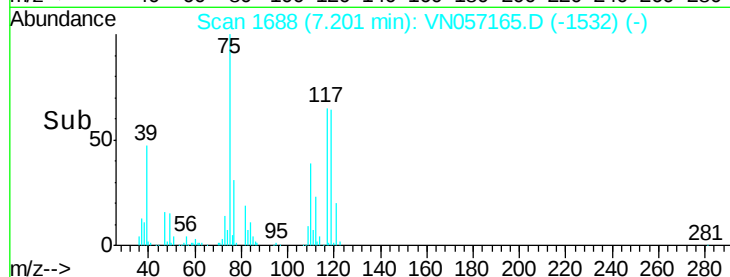
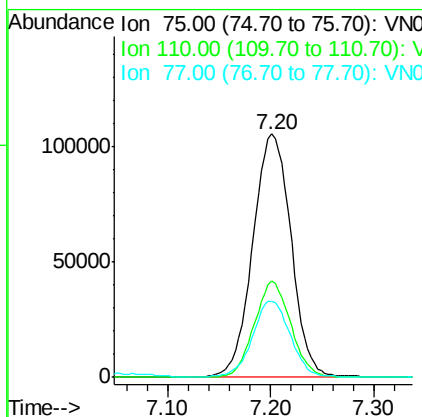
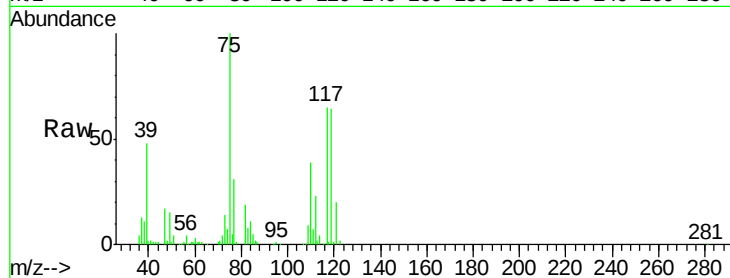
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	271665
Ion Ratio	Lower	Upper	
75	100		
110	37.8	0.0	75.6
77	31.2	0.0	62.4

Manual Integrations
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#30

2-Butanone

Concen: 108.996 ug/l

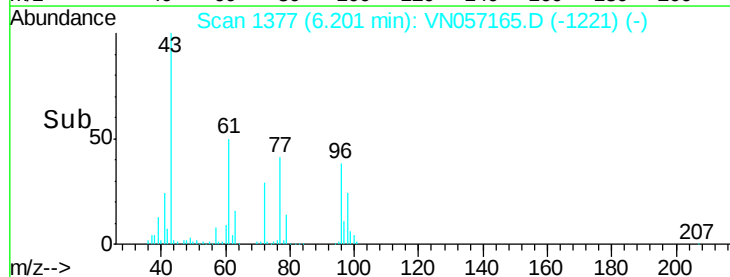
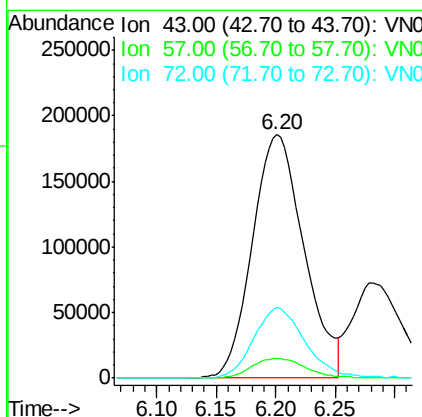
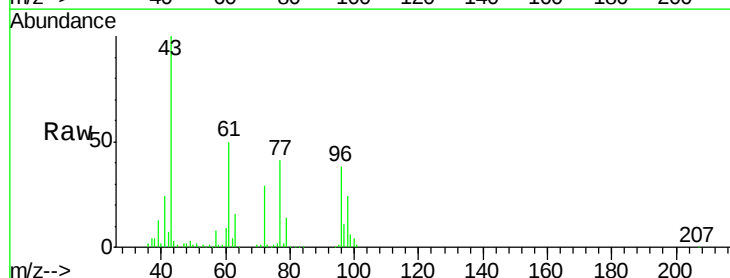
RT: 6.20 min Scan# 1377

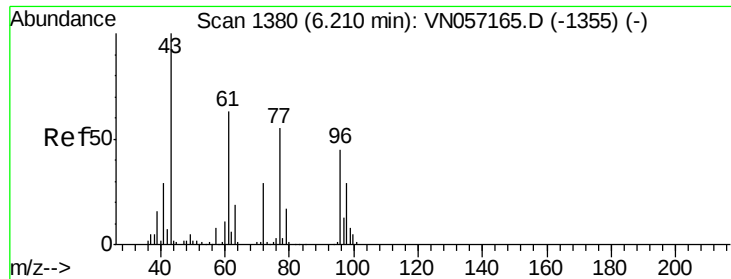
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	43	Resp:	556843
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.8	10.2
72	28.8	23.0	34.6





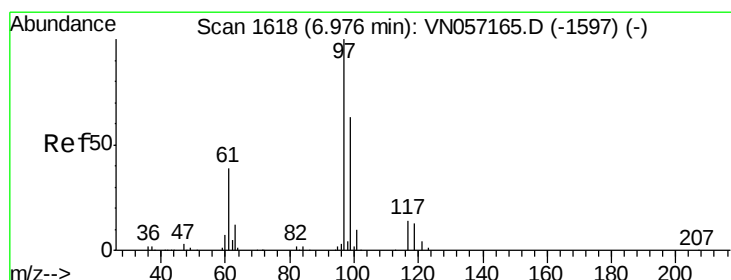
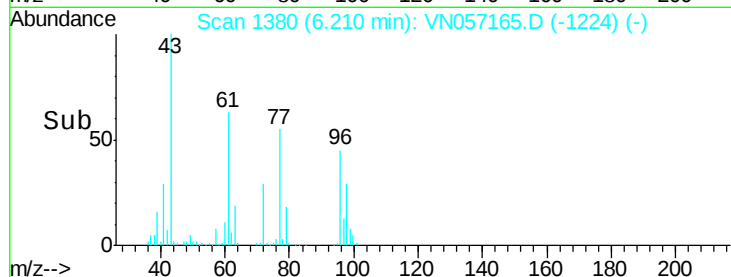
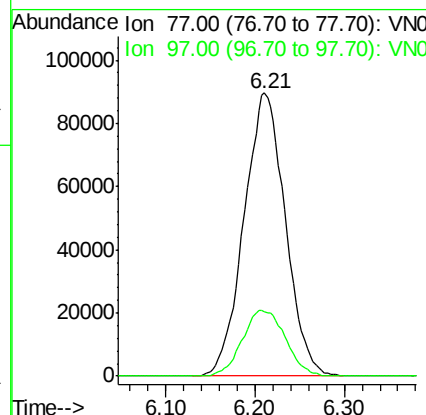
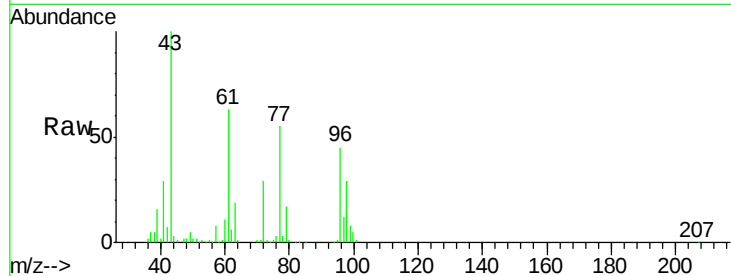
#31
 2,2-Dichloropropane
 Concen: 20.827 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
77	100	288960		
97	24.3	19.4	29.2	

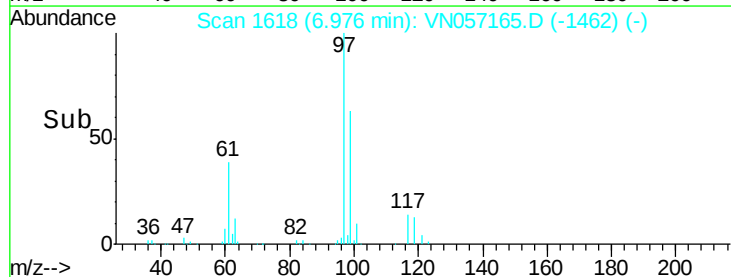
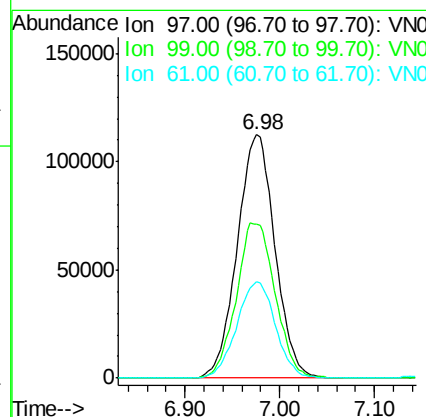
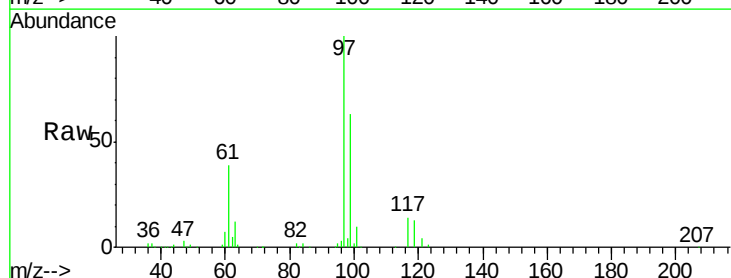
Manual Integrations
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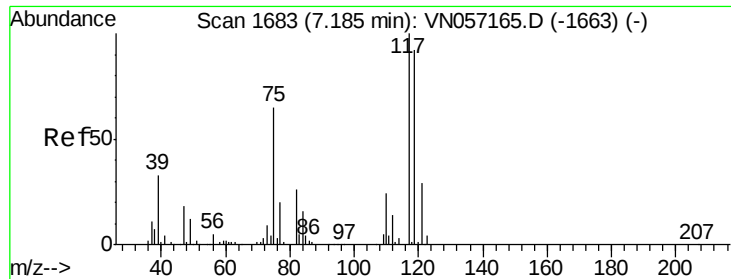
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 8/12/2019 3:55:23 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.733 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	311567		
99	65.5	52.4	78.6	
61	40.4	32.3	48.5	





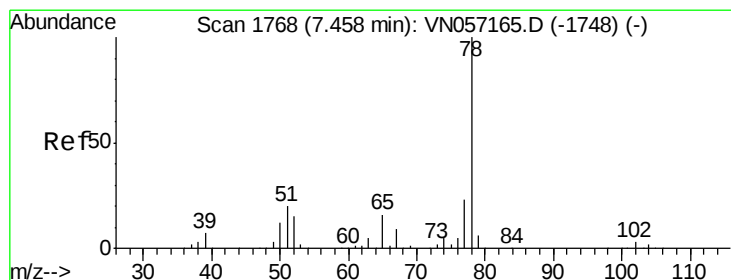
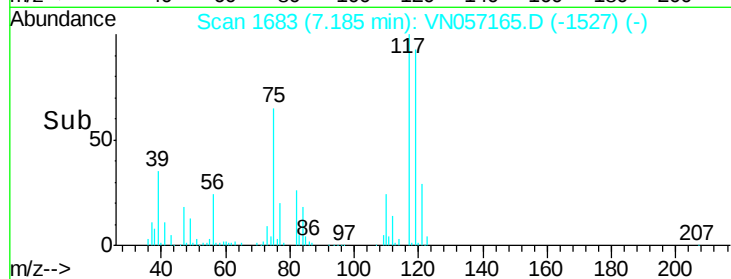
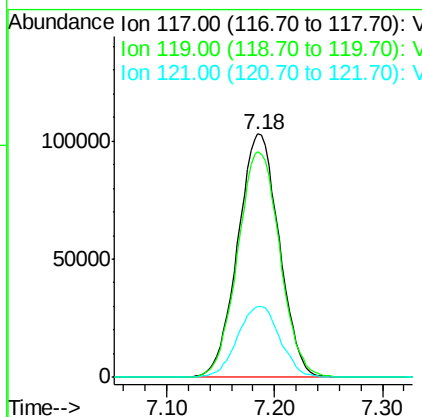
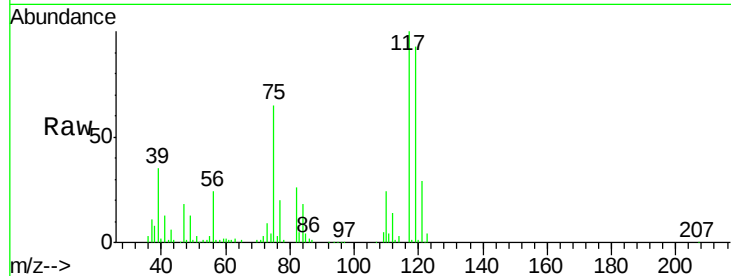
#33
Carbon Tetrachloride
Concen: 20.538 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.9	110.9
121	29.3	23.4	35.2

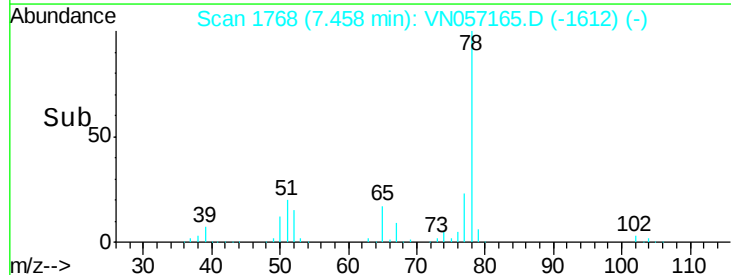
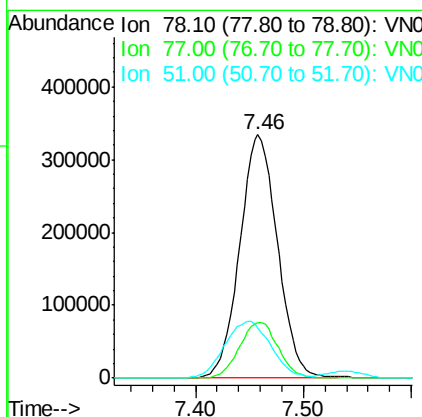
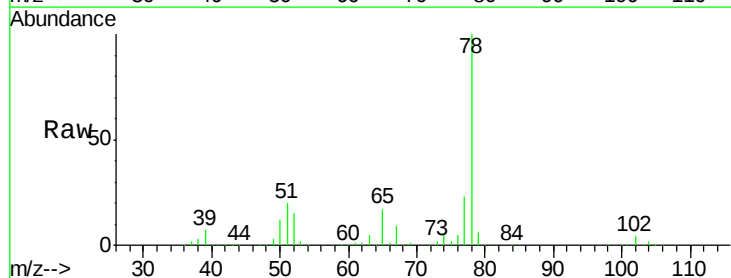
Manual Integrations
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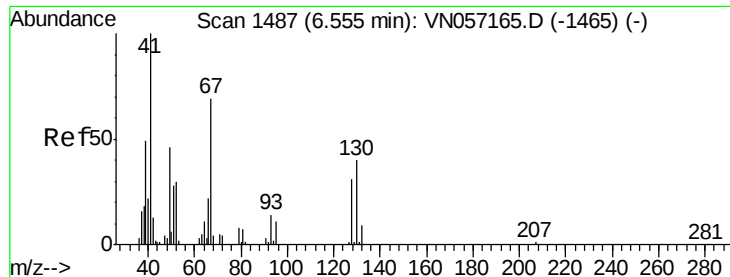
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#34
Benzene
Concen: 20.508 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5
51	20.2	16.2	24.2





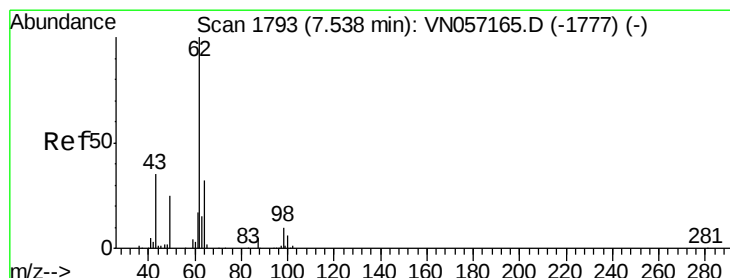
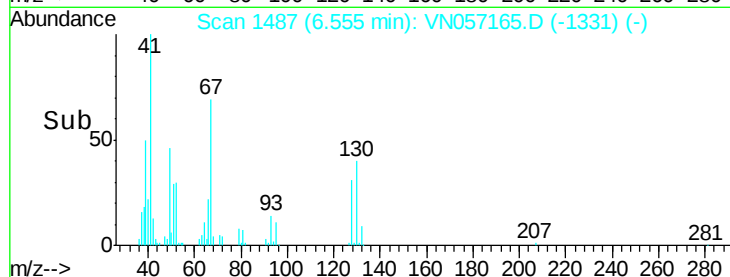
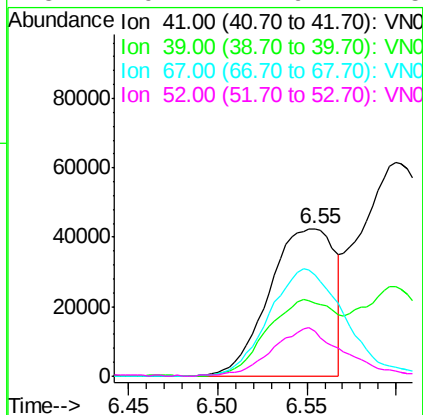
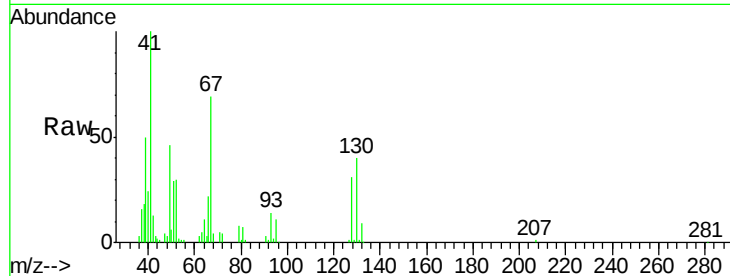
#35
Methacrylonitrile
Concen: 20.939 ug/l
RT: 6.55 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	49.3	24.6	74.0		
67	68.8	34.4	103.2		
52	29.7	14.9	44.5		

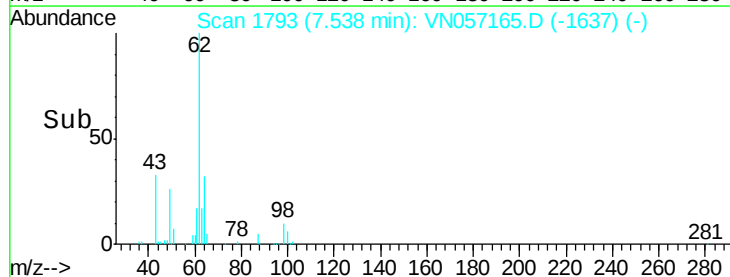
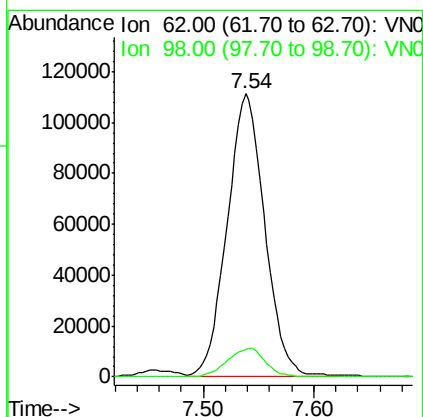
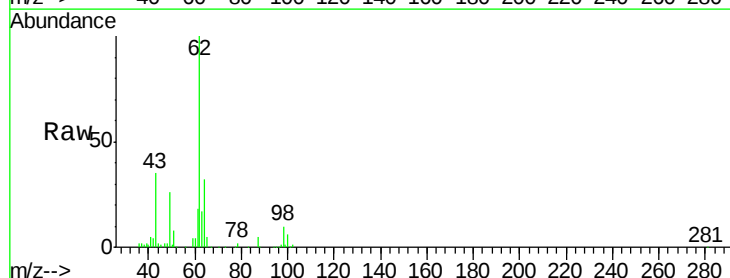
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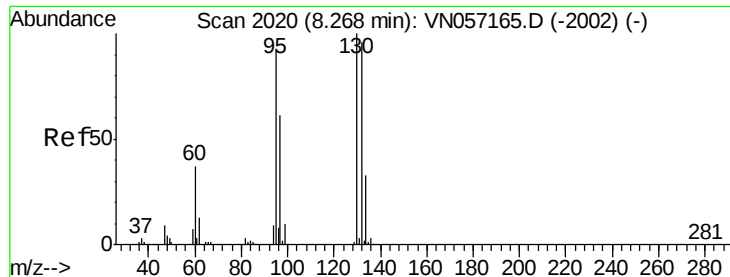
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#36
1,2-Dichloroethane
Concen: 20.812 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.3	8.2	12.4		





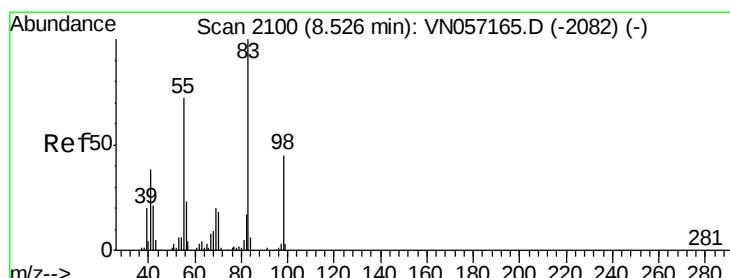
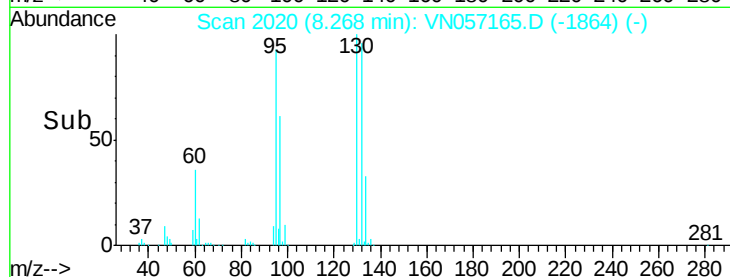
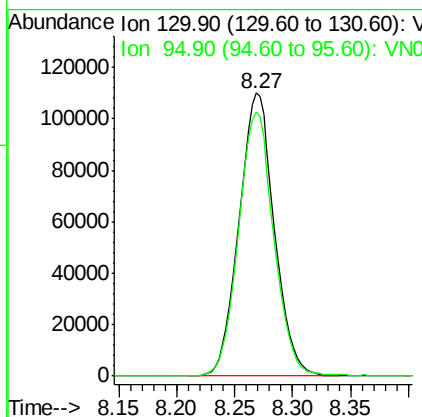
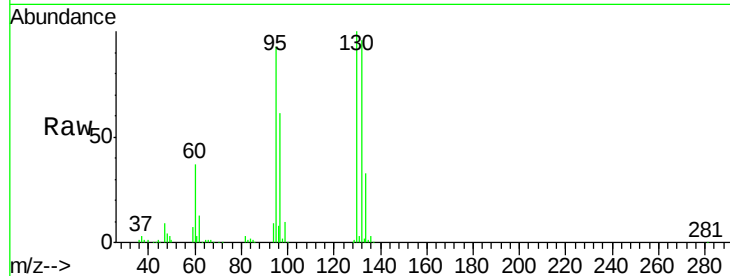
#37
 Trichloroethene
 Concen: 20.641 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	232343		
95	93.3	74.6	112.0	

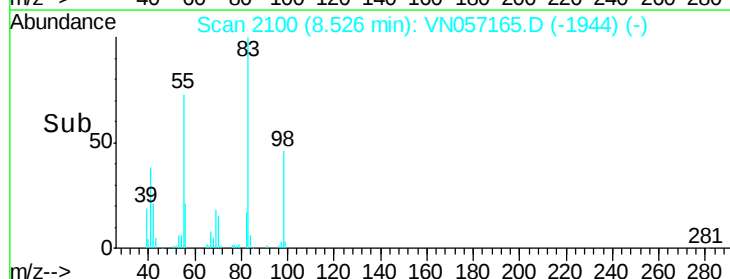
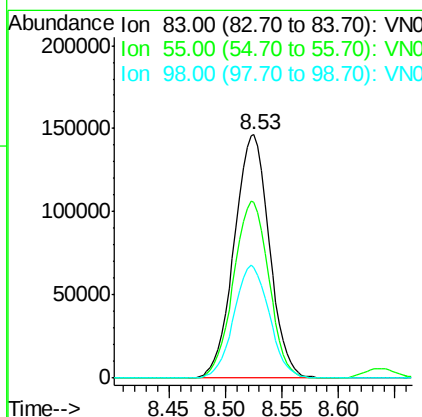
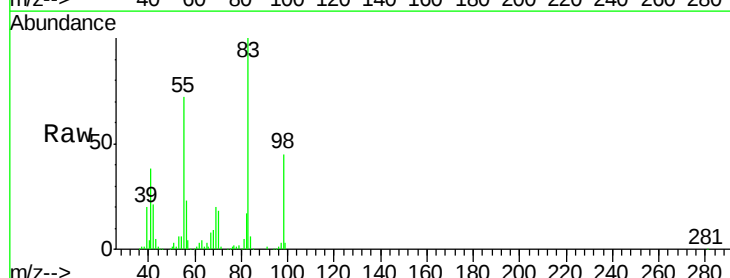
Manual Integrations
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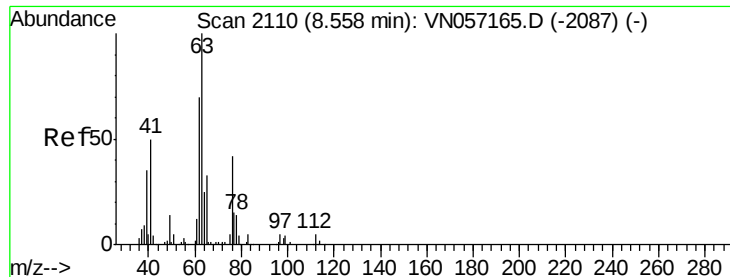
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#38
 Methylcyclohexane
 Concen: 20.491 ug/l
 RT: 8.53 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	317306		
55	73.1	36.5	109.7	
98	46.7	23.4	70.0	





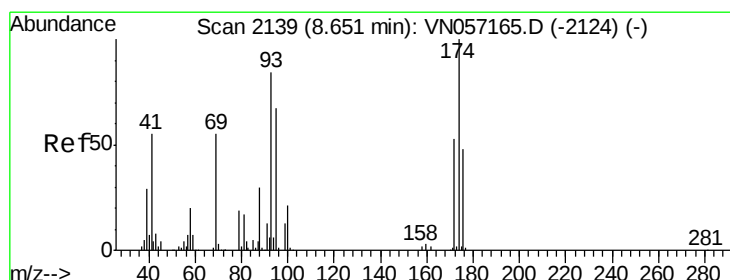
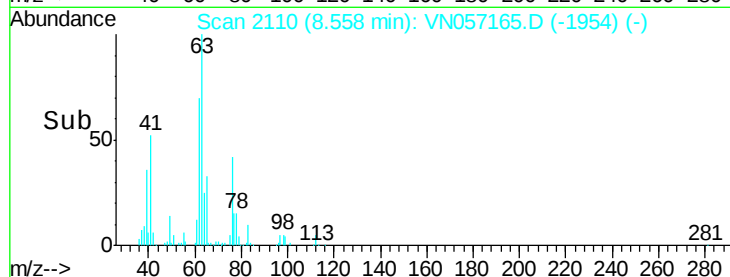
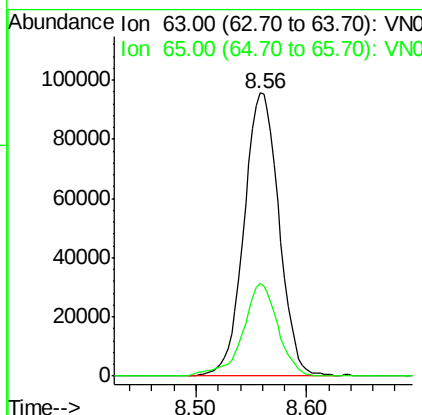
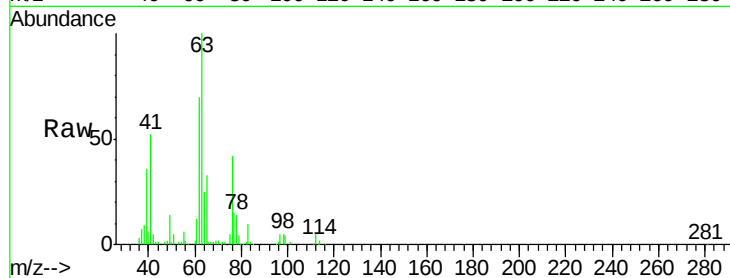
#39
 1,2-Dichloropropane
 Concen: 11.990 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	26.2	39.4

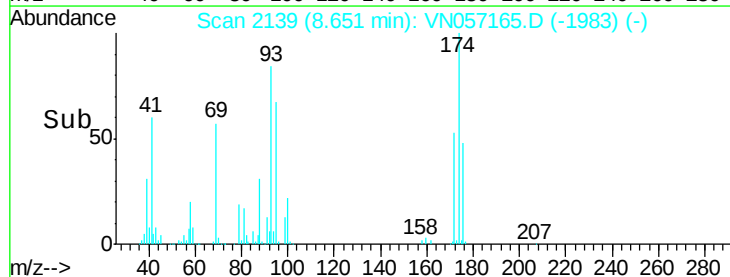
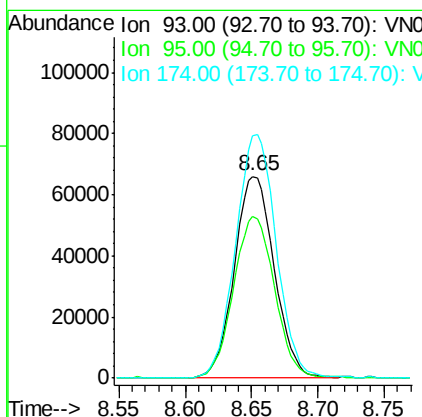
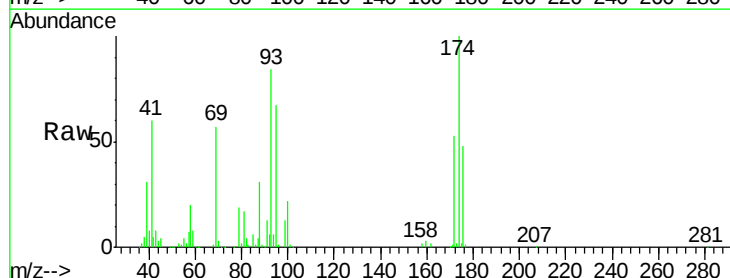
Manual Integrations
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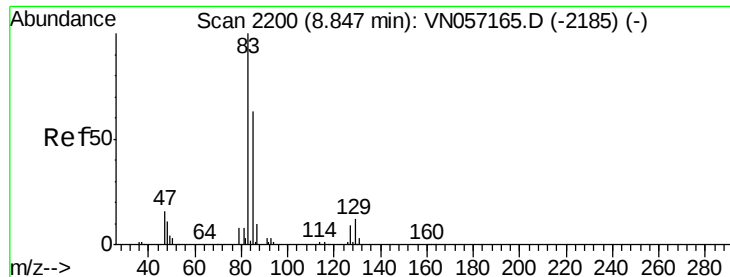
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#40
 Dibromomethane
 Concen: 21.006 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	165.0
174	122.7	0.0	245.4





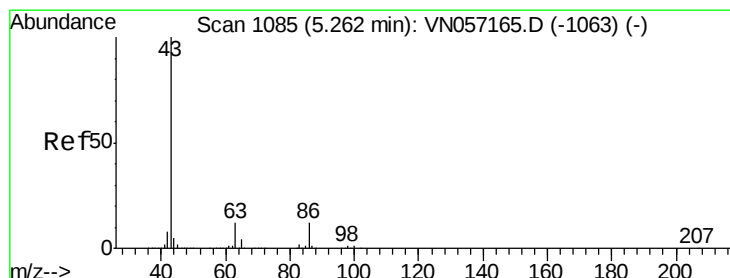
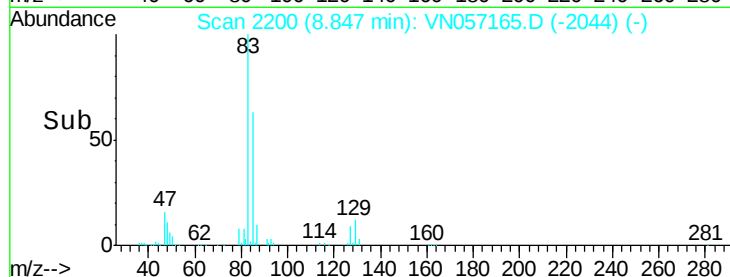
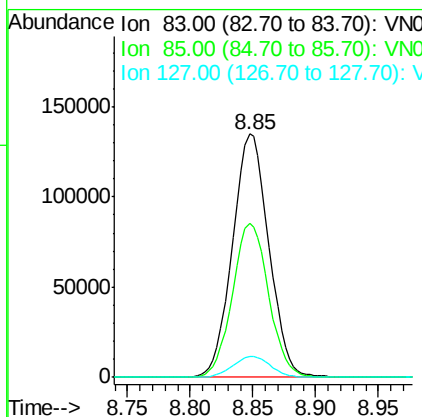
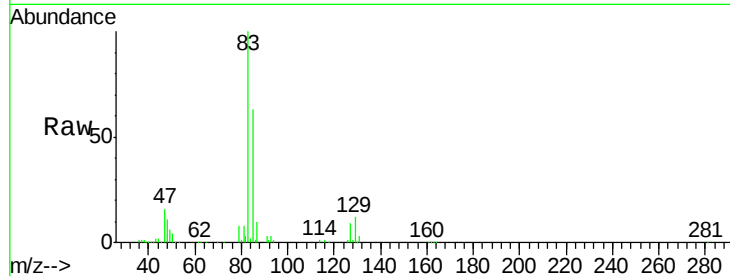
#41
 Bromodichloromethane
 Concen: 20.824 ug/l
 RT: 8.85 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	8.8	7.0	10.6

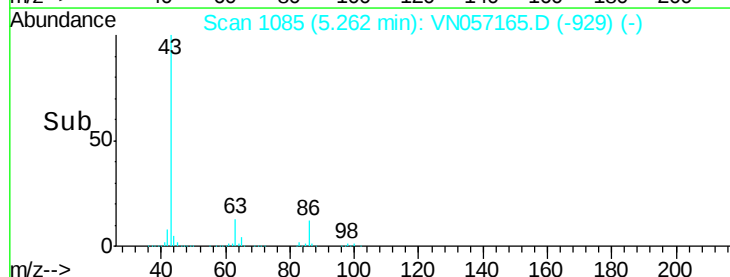
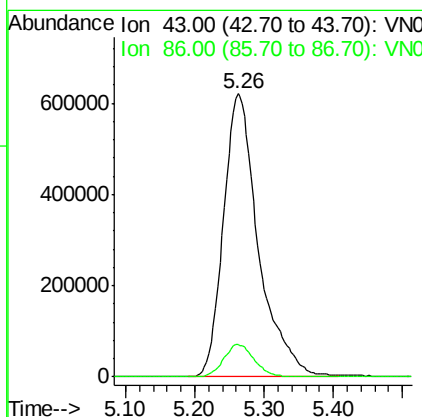
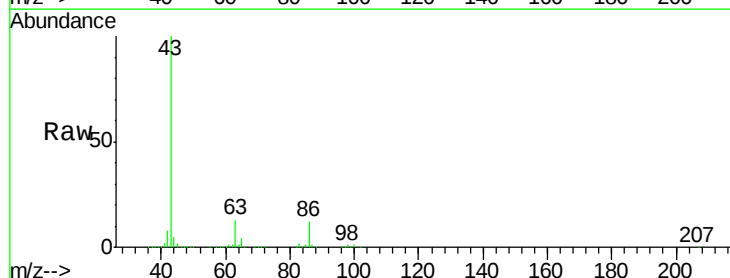
Manual Integrations
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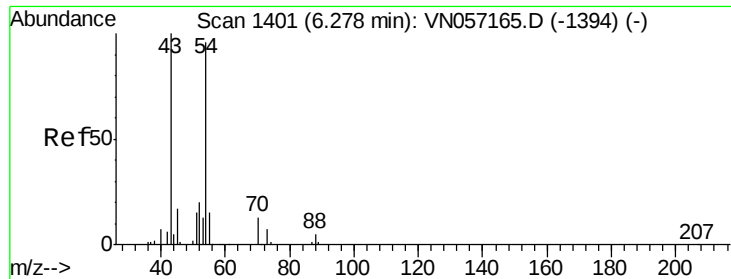
MMDadoda
 8/12/2019 3:55:23 PM



#42
 Vinyl Acetate
 Concen: 102.907 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0





#43

Ethyl Acetate

Concen: 21.533 ug/l

RT: 6.28 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 202892

Ion Ratio Lower Upper

43 100

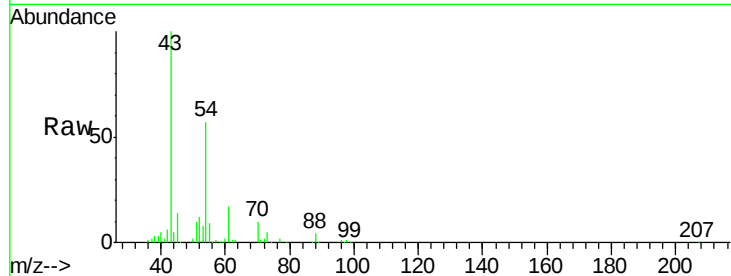
45 12.6 10.1 15.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

200000

150000

100000

50000

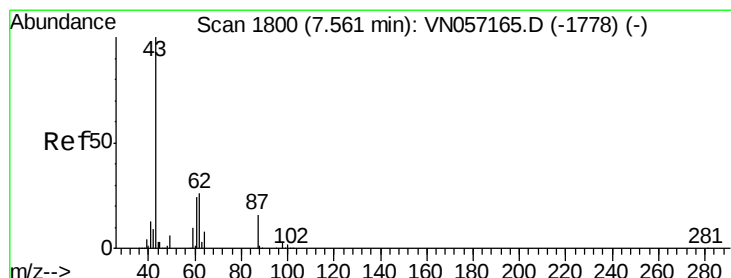
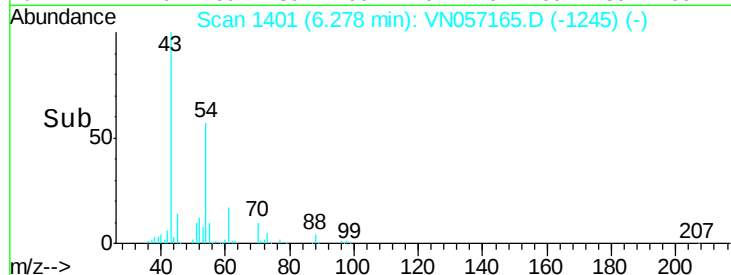
0

6.20

6.30

6.40

Time-->



#44

Isopropyl Acetate

Concen: 20.766 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057165.D

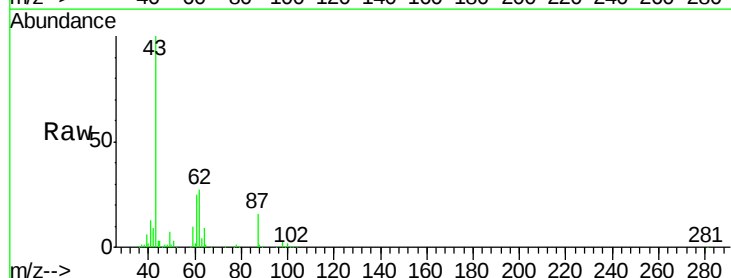
Acq: 10 Aug 2019 10:14

Tgt Ion: 43 Resp: 355259

Ion Ratio Lower Upper

43 100

61 27.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

100000

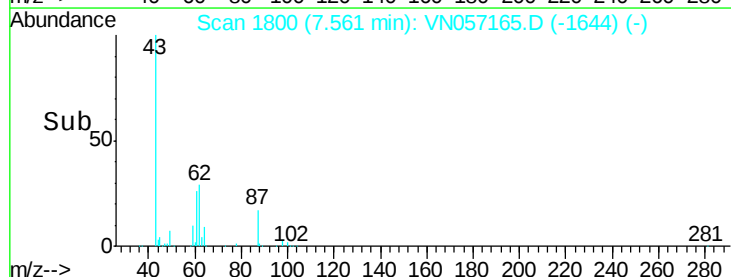
50000

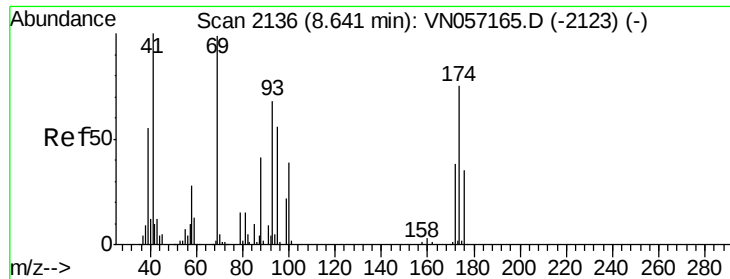
0

7.50

7.60

Time-->





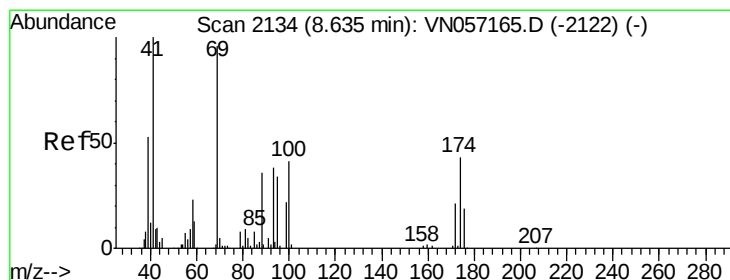
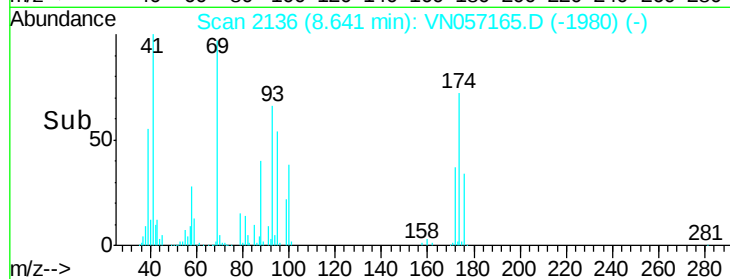
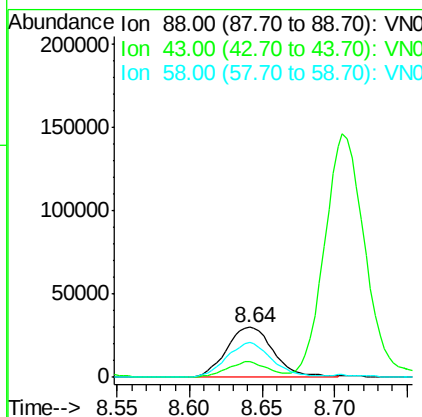
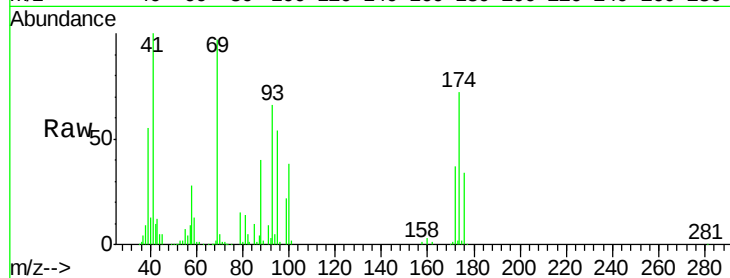
#45
 1,4-Dioxane
 Concen: 425.491 ug/l
 RT: 8.64 min Scan# 2136
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	20.5	30.7
58	67.3	53.8	80.8

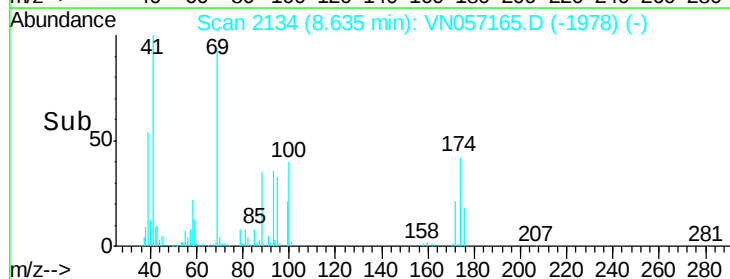
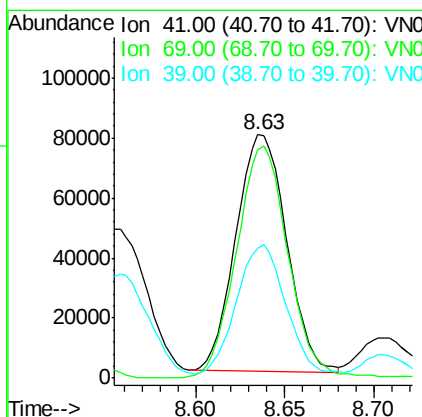
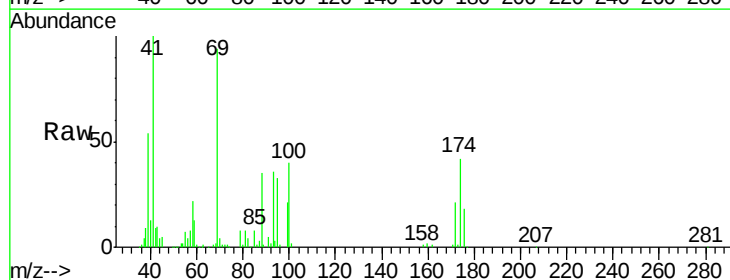
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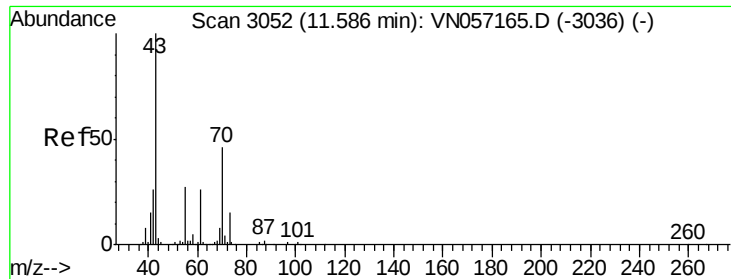
MMDadoda
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#46
 Methyl methacrylate
 Concen: 20.125 ug/l
 RT: 8.63 min Scan# 2134
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.3	48.1	144.4
39	53.0	26.5	79.5





#47

n-amyl Acetate

Concen: 18.597 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 234062

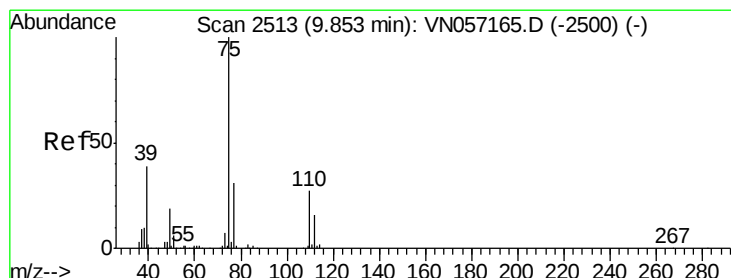
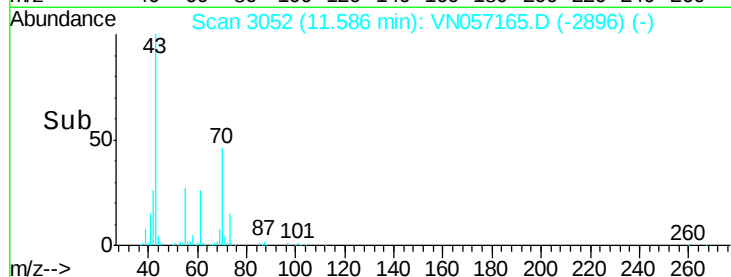
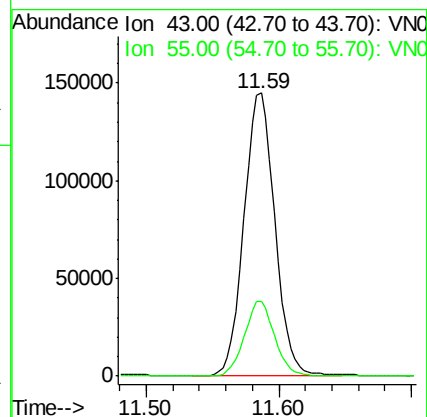
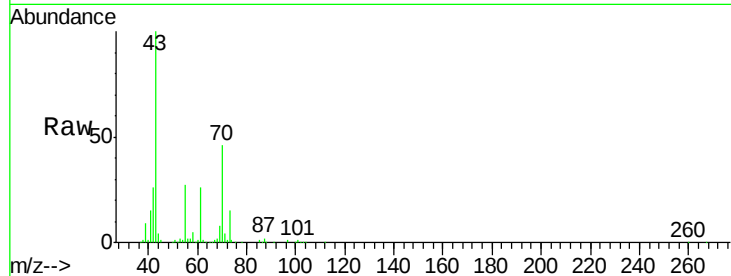
Ion Ratio Lower Upper

43 100

55 25.9 20.7 31.1

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#48

t-1,3-Dichloropropene

Concen: 20.240 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VN057165.D

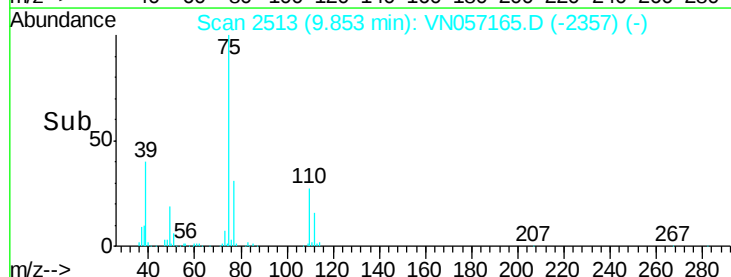
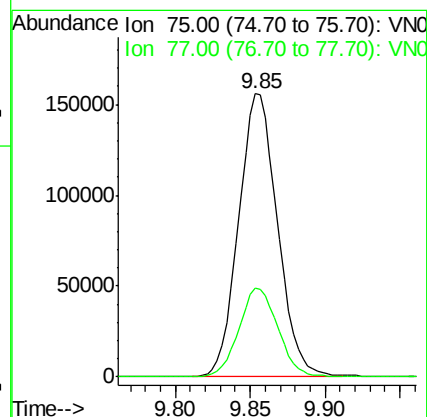
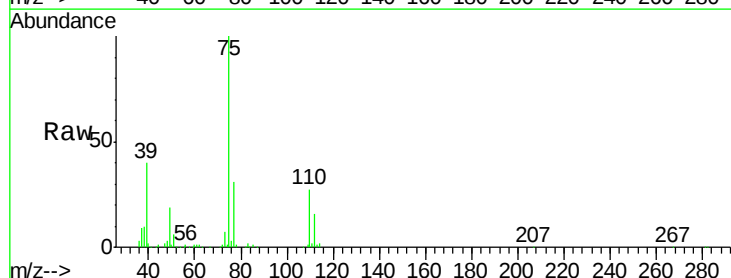
Acq: 10 Aug 2019 10:14

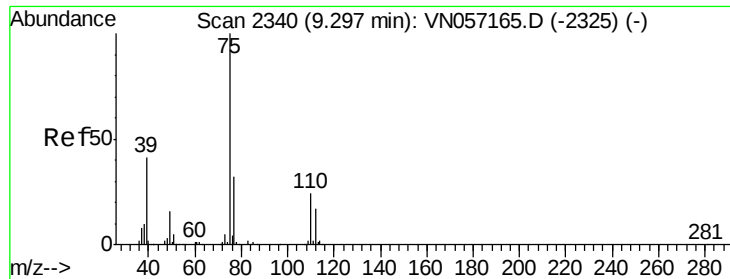
Tgt Ion: 75 Resp: 282086

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3





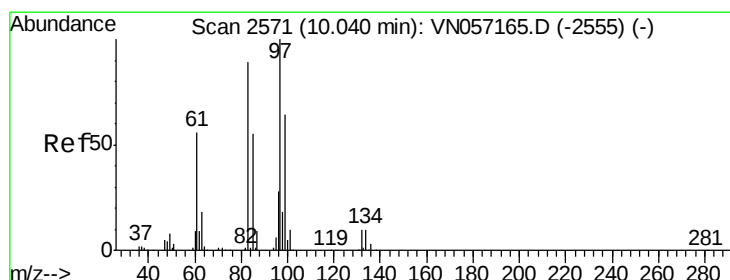
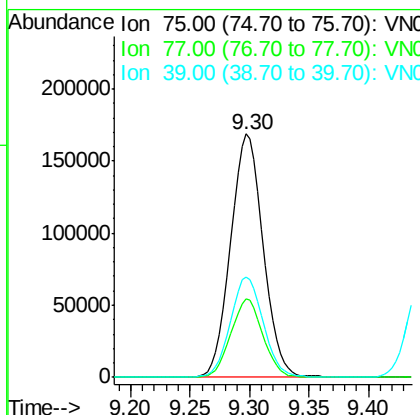
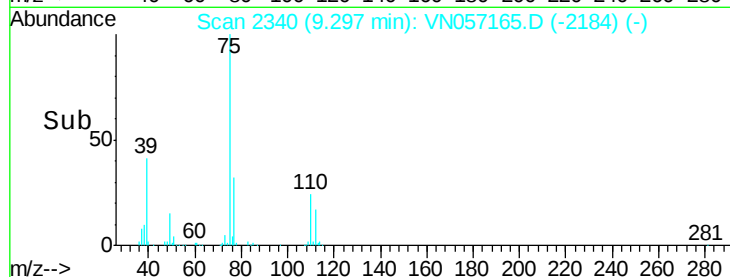
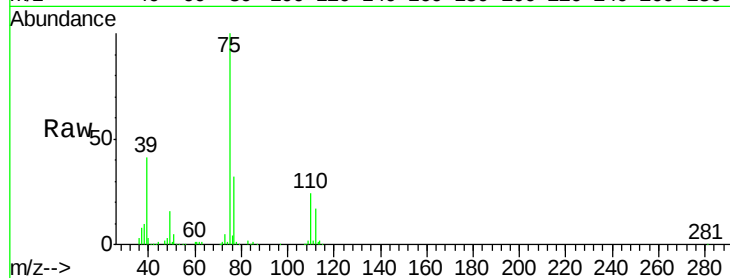
#49
 cis-1,3-Dichloropropene
 Concen: 22.407 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	41.3	33.0	49.6

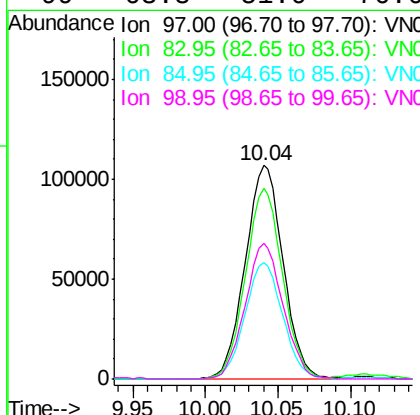
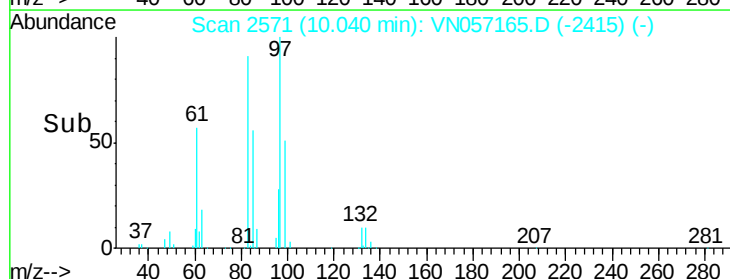
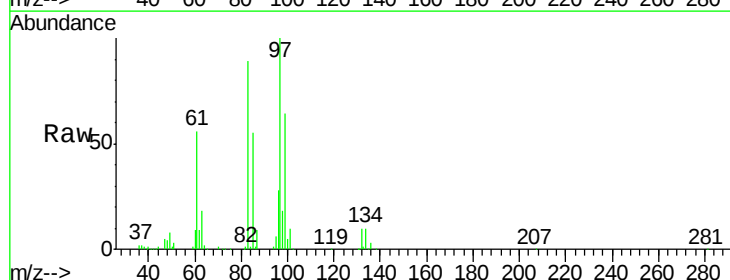
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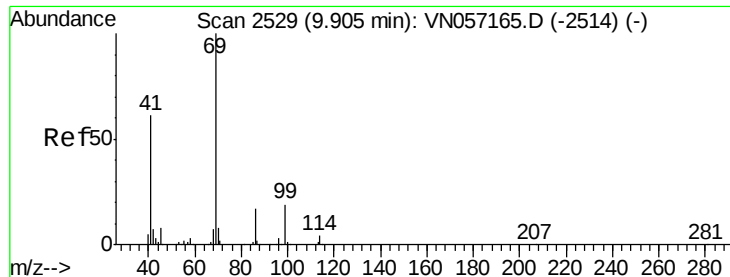
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.705 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.4	107.0
85	54.8	43.8	65.8
99	63.8	51.0	76.6





#51

Ethyl methacrylate

Concen: 19.902 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

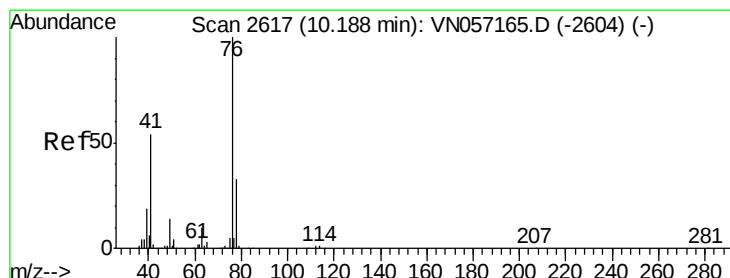
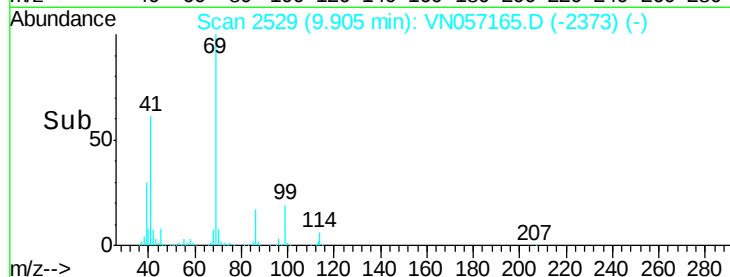
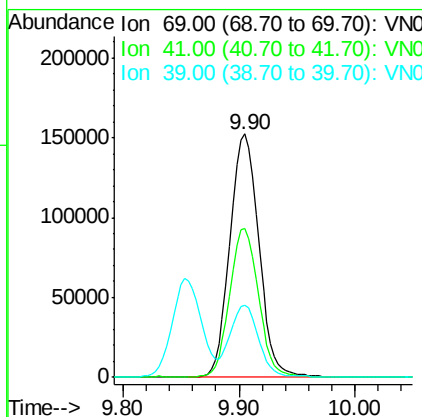
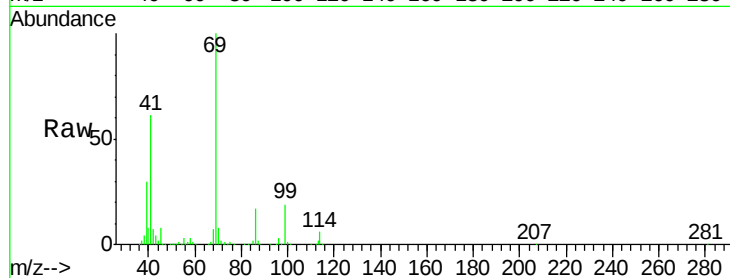
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	263859
Ion Ratio		Lower	Upper
69	100		
41	60.8	30.4	91.2
39	29.6	14.8	44.4

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#52

1,3-Dichloropropane

Concen: 20.751 ug/l

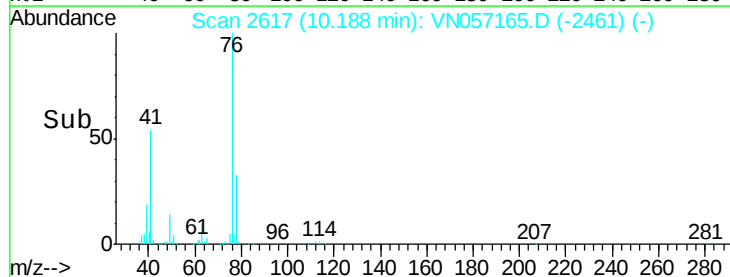
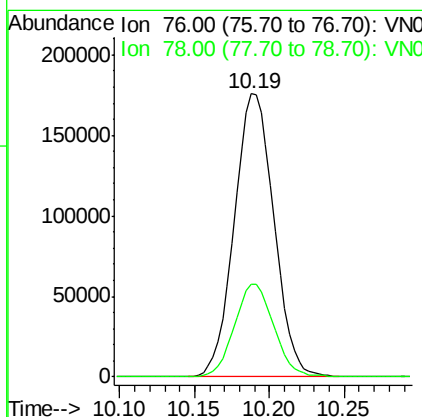
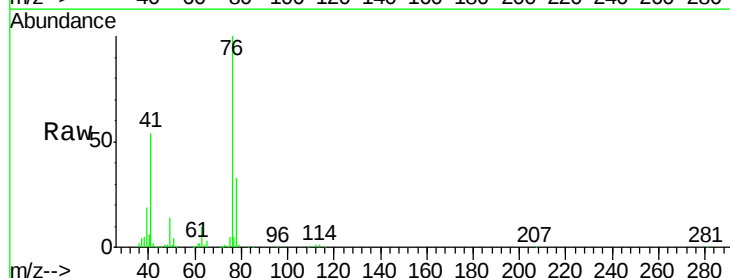
RT: 10.19 min Scan# 2617

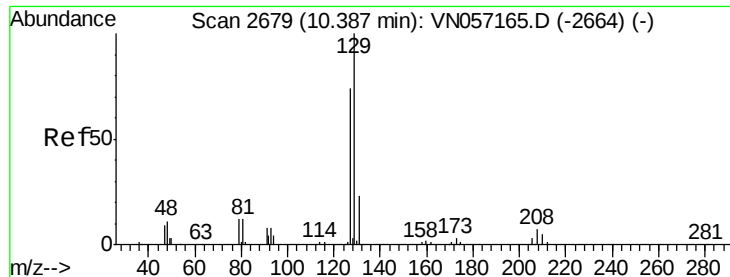
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	76	Resp:	324949
Ion Ratio		Lower	Upper
76	100		
78	32.5	0.0	65.0





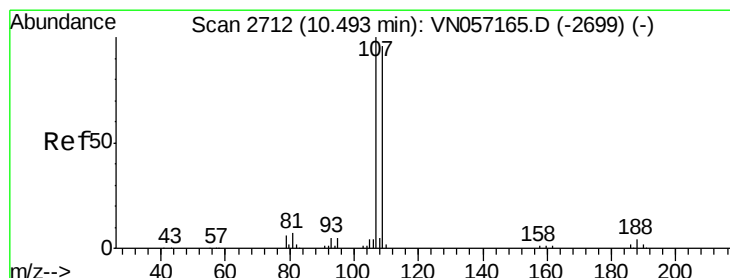
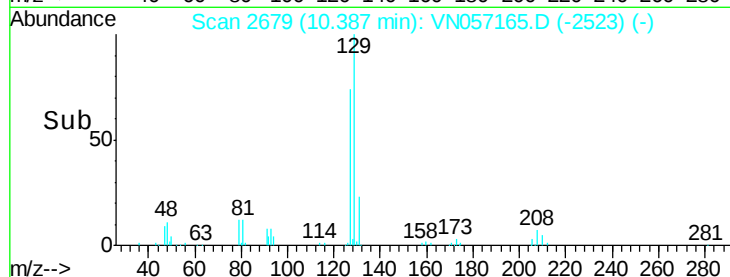
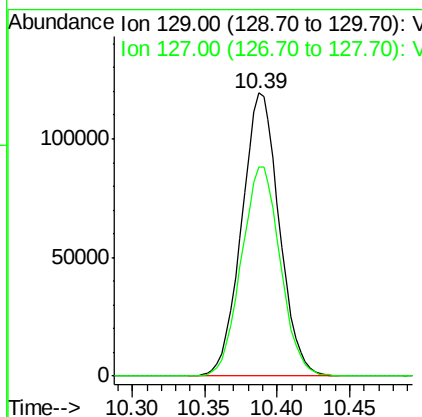
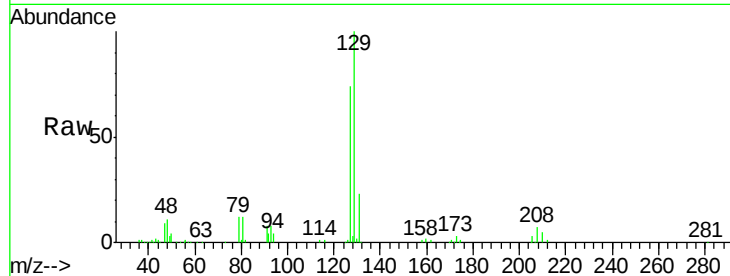
#53
 Dibromochloromethane
 Concen: 20.318 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.2	114.6

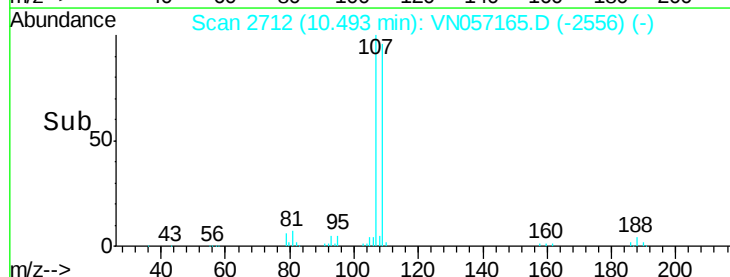
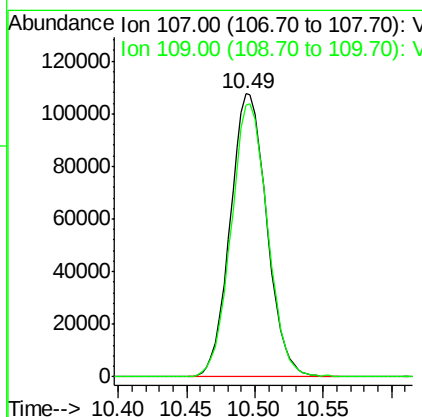
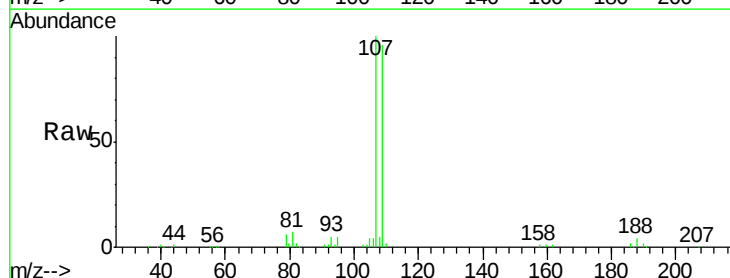
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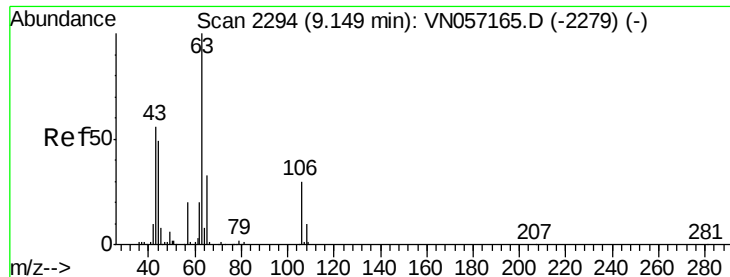
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#54
 1,2-Dibromoethane
 Concen: 20.423 ug/l
 RT: 10.49 min Scan# 2712
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.8	115.2





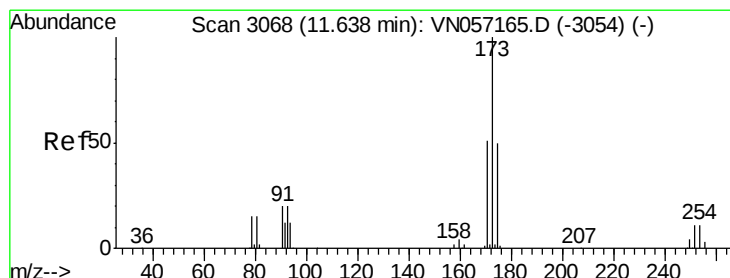
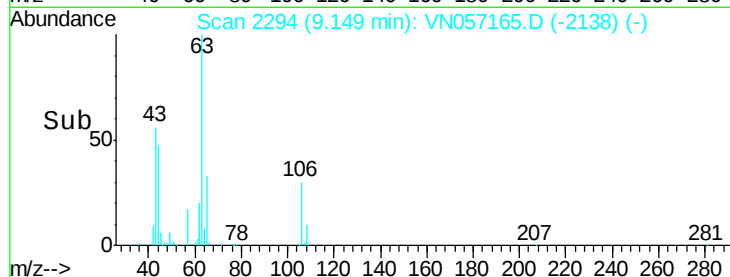
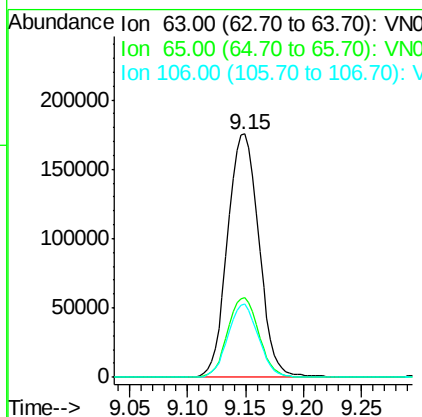
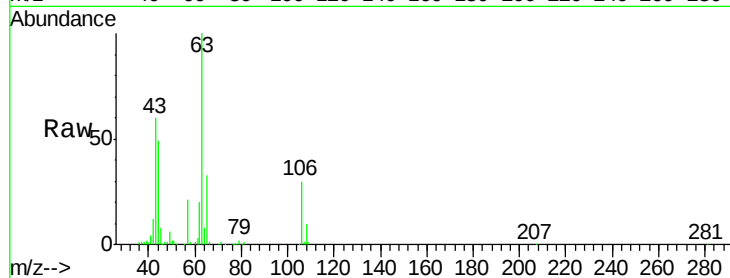
#55
2-Chloroethyl vinyl ether
Concen: 87.997 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	63	Resp:	329405
Ion	Ratio	Lower	Upper
63	100		
65	32.5	26.0	39.0
106	29.1	23.3	34.9

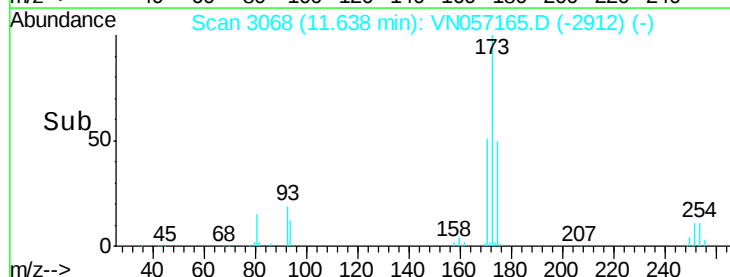
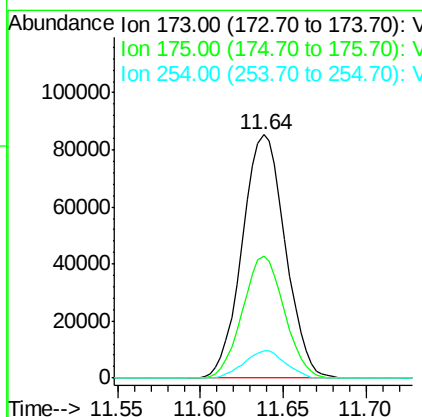
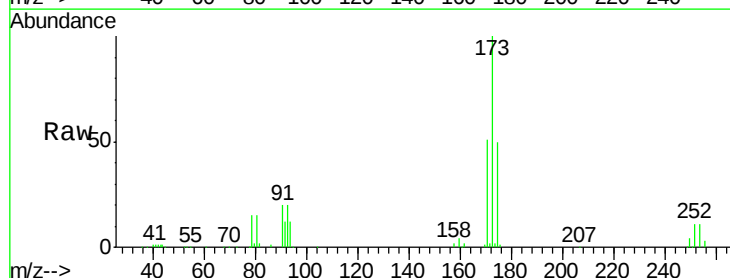
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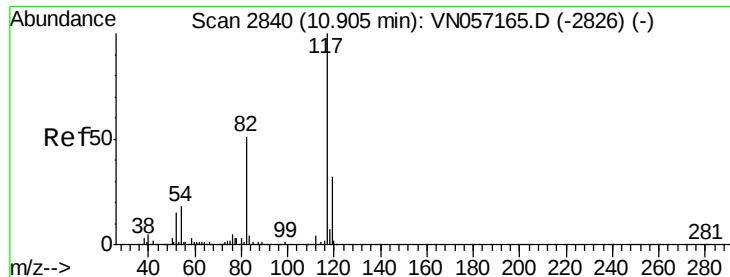
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#56
Bromoform
Concen: 19.680 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion:	173	Resp:	153945
Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	10.8	8.6	13.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

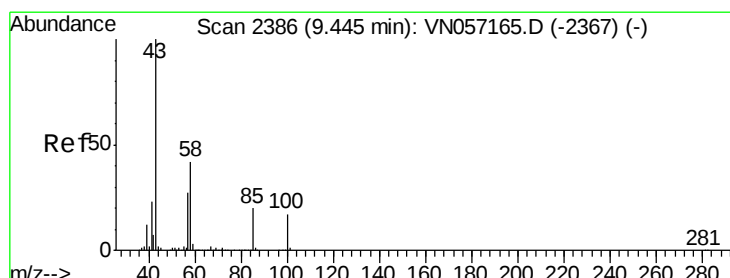
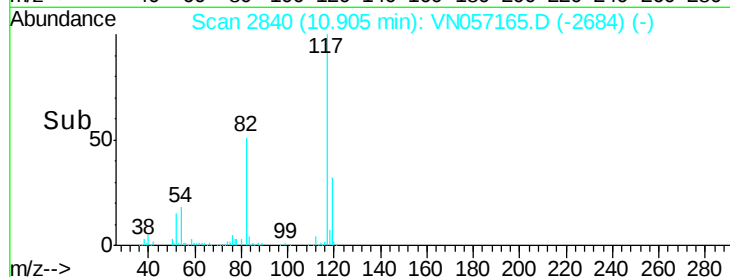
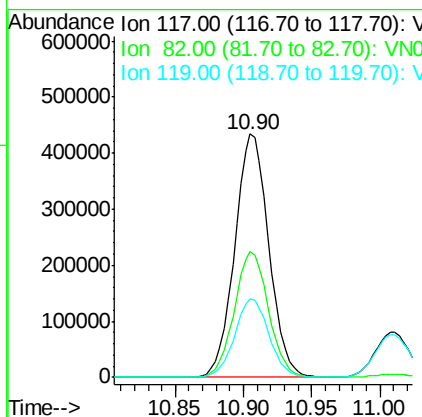
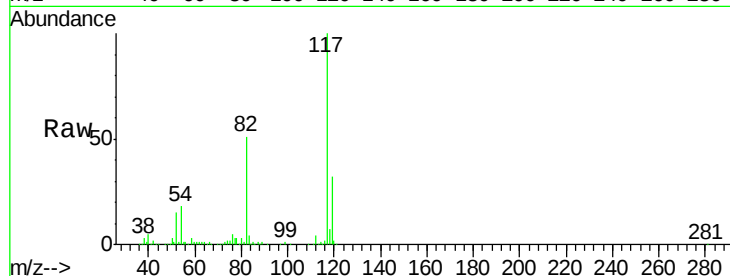
ClientSampleId :

VSTDICCC020

Tot Ion:	117	Resp:	749807
Ion Ratio	Lower	Upper	
117	100		
82	51.9	41.5	62.3
119	32.6	26.1	39.1

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#58

4-Methyl-2-Pentanone

Concen: 105.229 ug/l

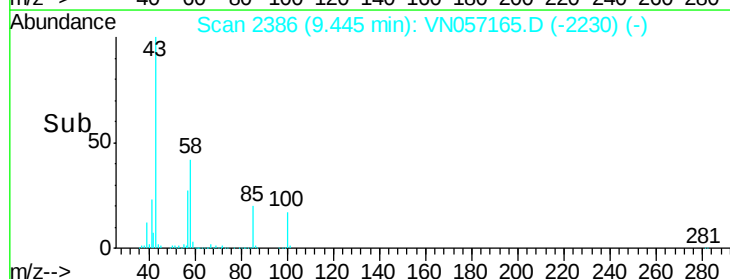
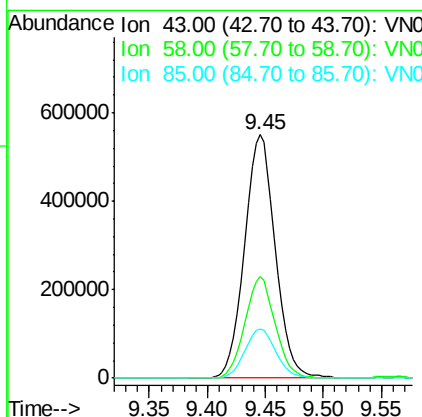
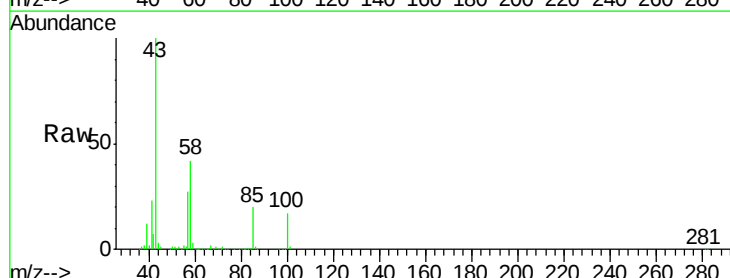
RT: 9.45 min Scan# 2386

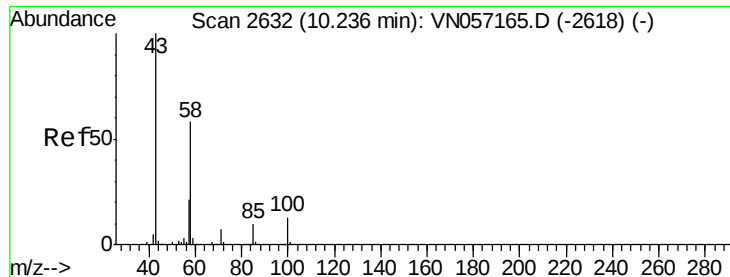
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	43	Resp:	1013604
Ion Ratio	Lower	Upper	
43	100		
58	41.0	32.8	49.2
85	20.5	16.4	24.6





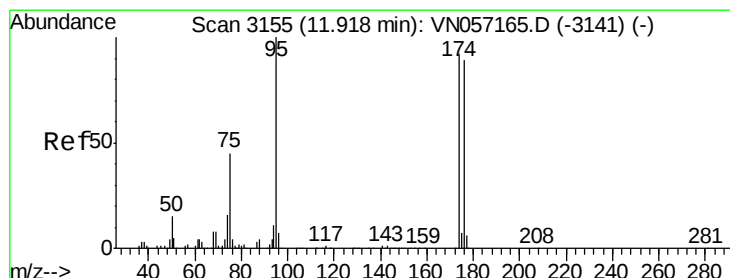
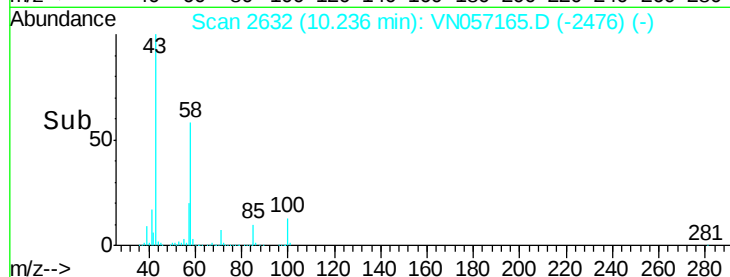
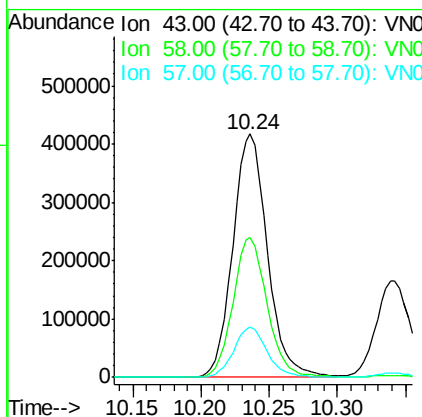
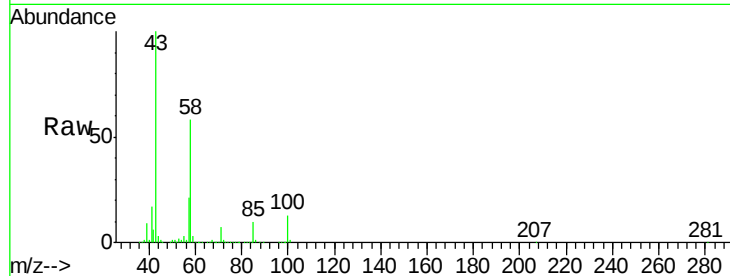
#59
2-Hexanone
Concen: 105.726 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.4	68.2
57	20.1	16.1	24.1

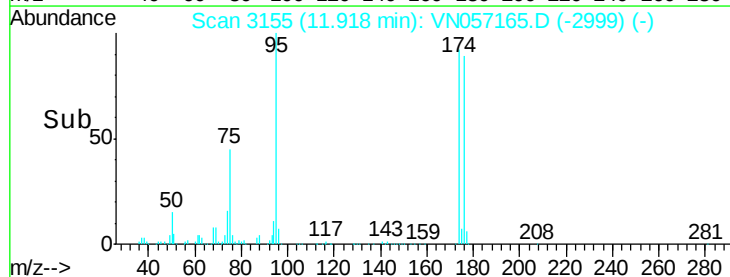
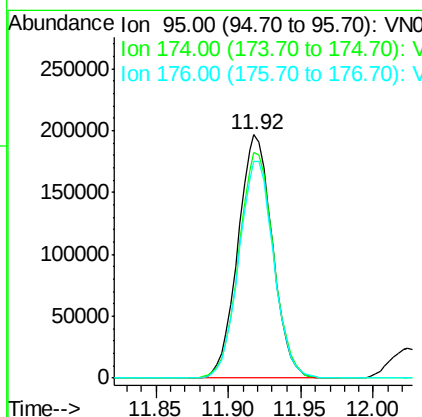
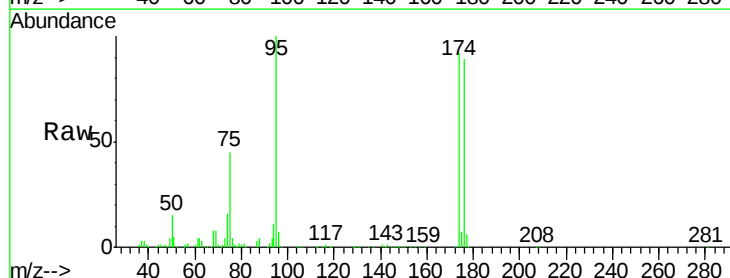
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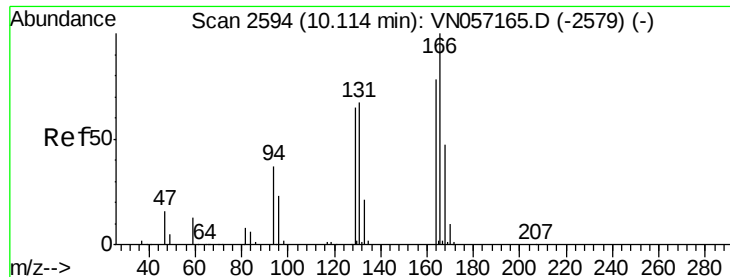
MMDadoda
8/12/2019 3:55:23 PM



#60
4-Bromofluorobenzene
Concen: 29.092 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	74.9	112.3
176	90.1	72.1	108.1





#61

Tetrachloroethene

Concen: 21.270 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 244780

Ion Ratio Lower Upper

164 100

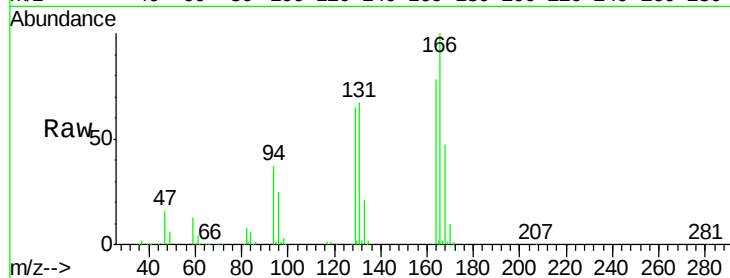
166 128.8 103.0 154.6

129 84.1 67.3 100.9

131 85.6 68.5 102.7

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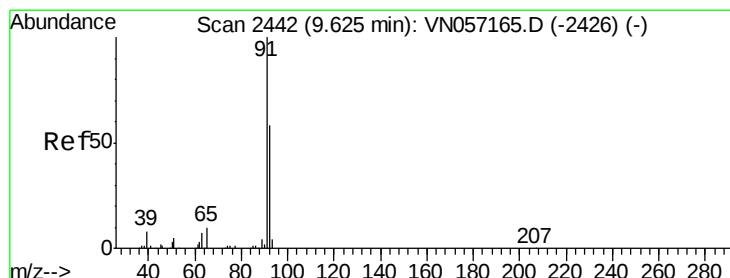
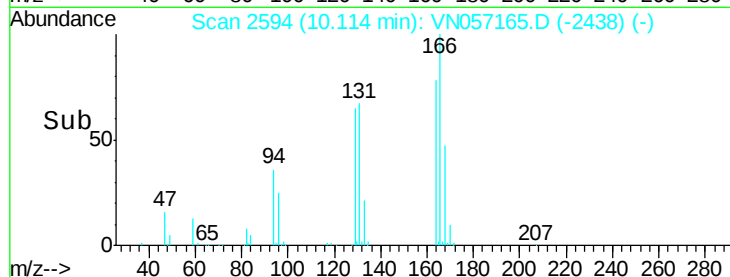
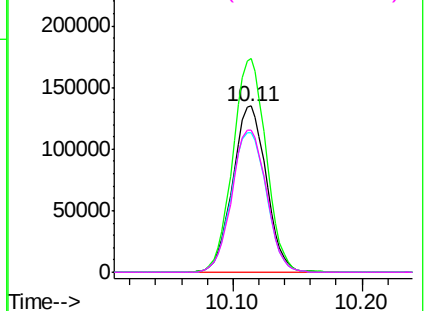


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.759 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057165.D

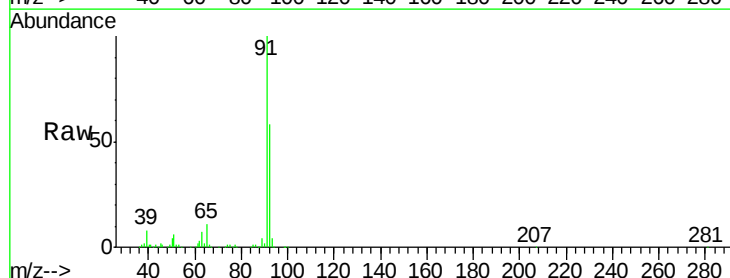
Acq: 10 Aug 2019 10:14

Tgt Ion: 91 Resp: 885991

Ion Ratio Lower Upper

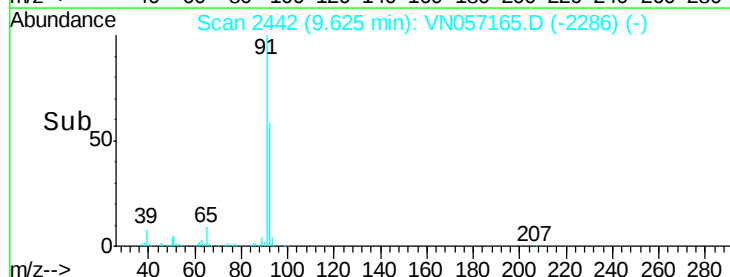
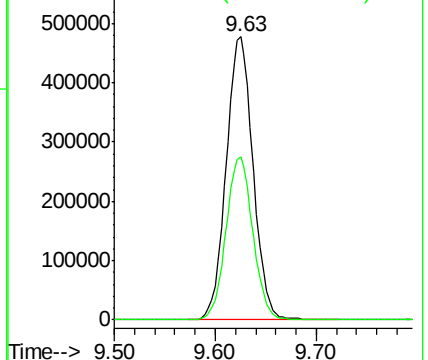
91 100

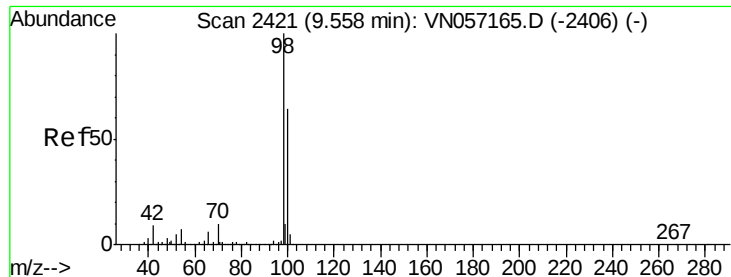
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.190 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 1044952

Ion Ratio Lower Upper

98 100

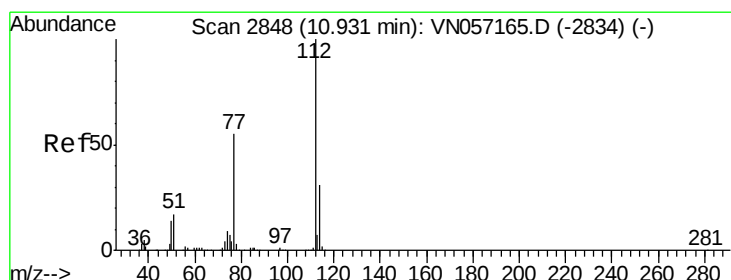
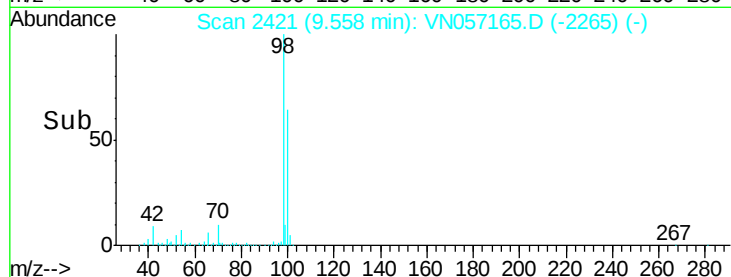
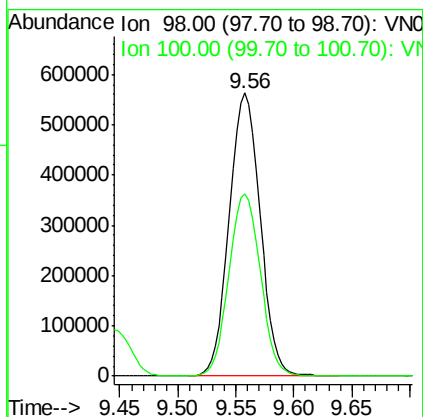
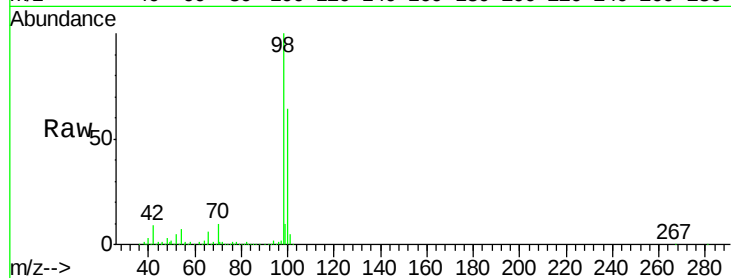
100 65.5 52.4 78.6

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#64

Chlorobenzene

Concen: 20.439 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057165.D

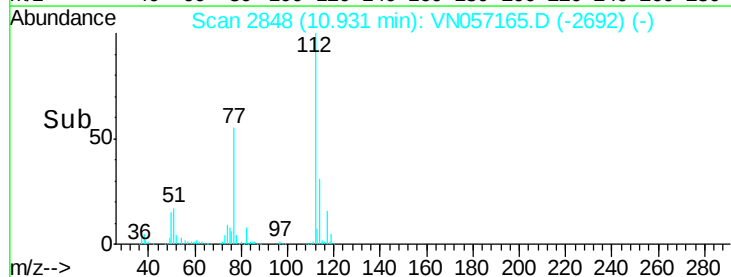
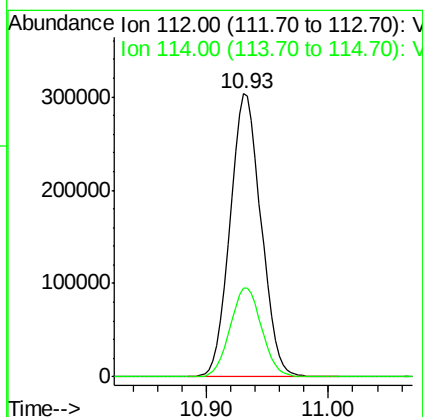
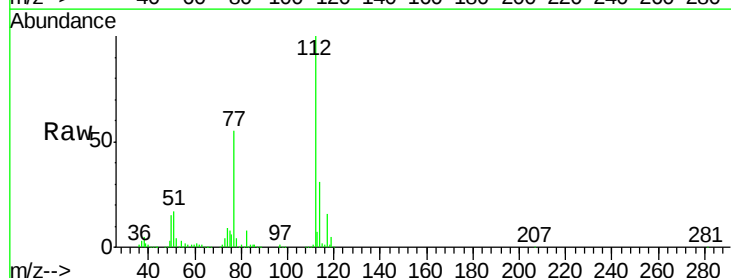
Acq: 10 Aug 2019 10:14

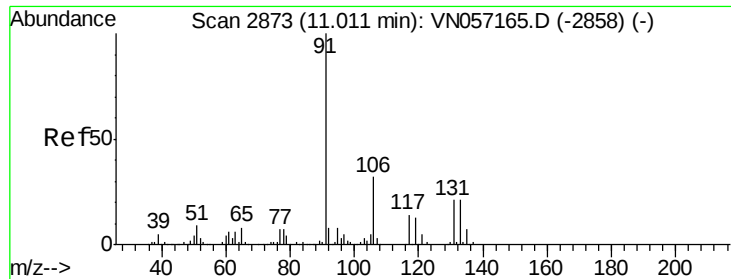
Tgt Ion: 112 Resp: 536525

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.308 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

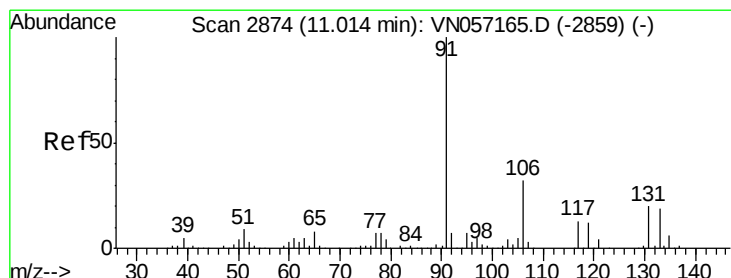
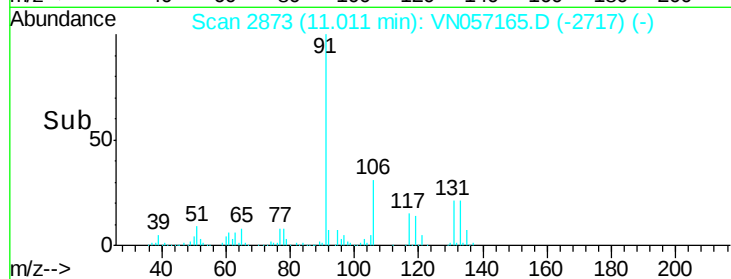
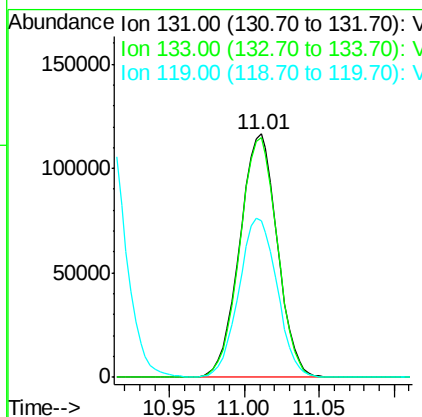
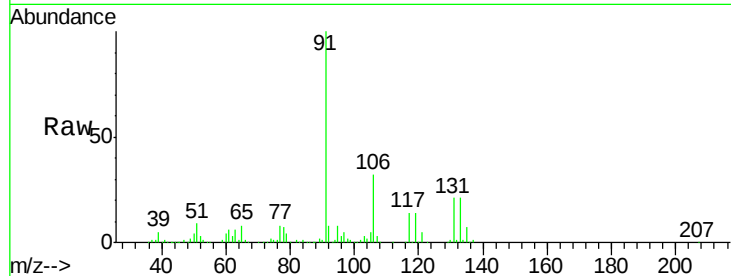
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	204427
Ion Ratio	Lower	Upper	
131	100		
133	98.0	0.0	196.0
119	66.3	0.0	132.6

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#66

Ethyl Benzene

Concen: 20.525 ug/l

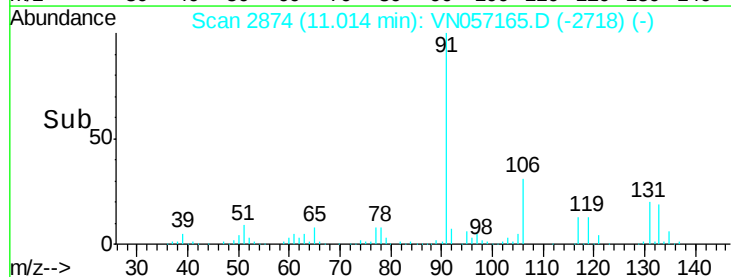
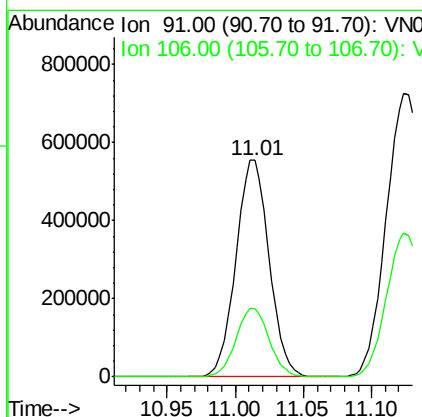
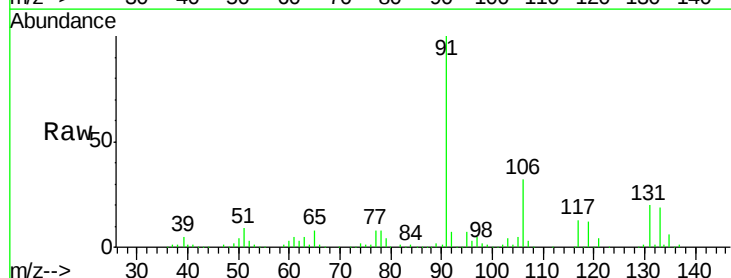
RT: 11.01 min Scan# 2874

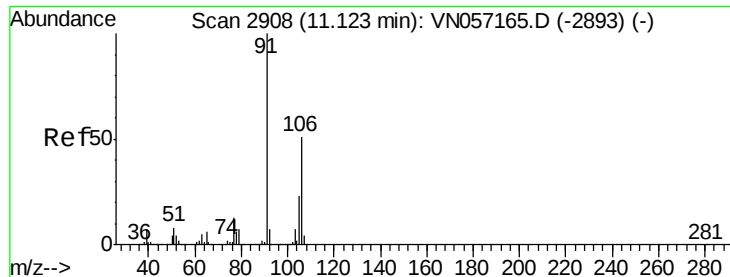
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	91	Resp:	939028
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.3	37.9





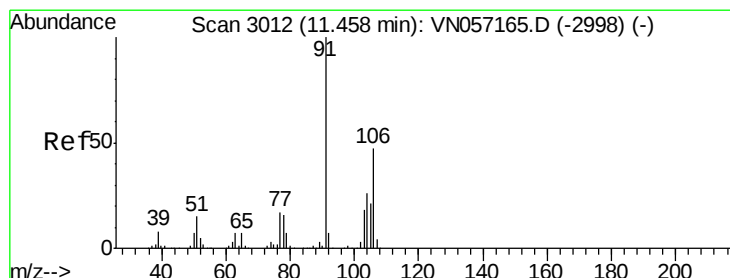
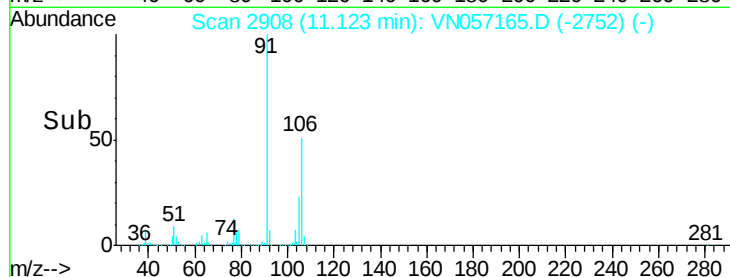
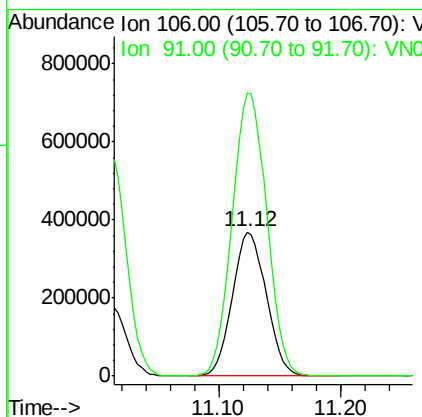
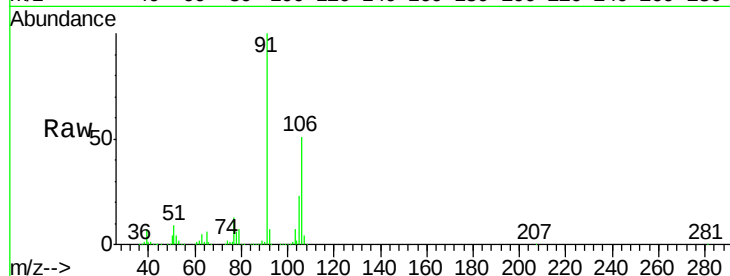
#67
m/p-Xylenes
Concen: 41.173 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
710339	106	100		
	91	200.6	160.5	240.7

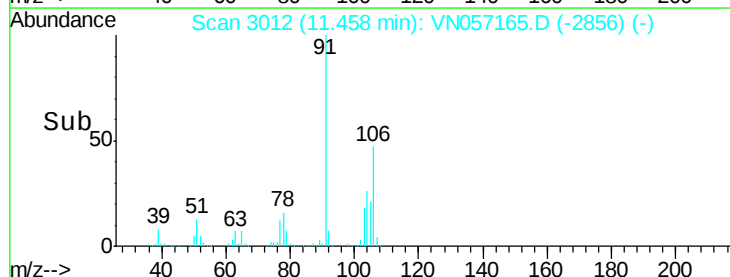
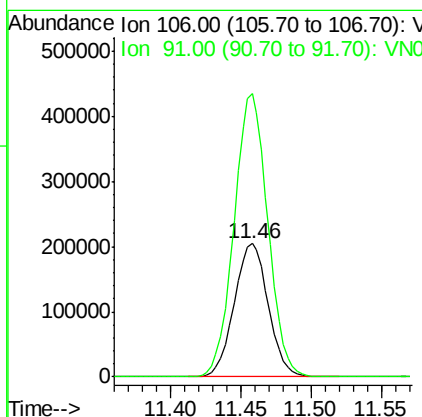
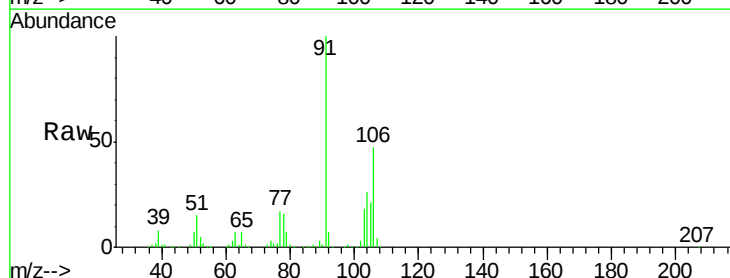
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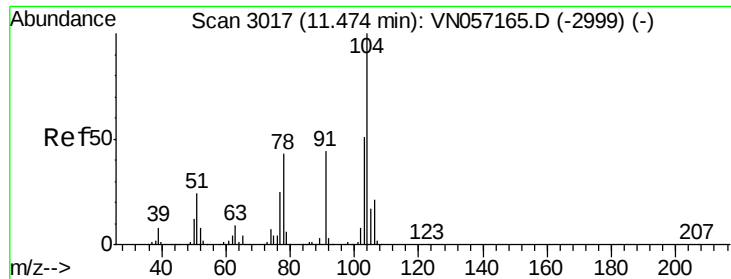
MMDadoda
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#68
o-Xylene
Concen: 20.665 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ion	Ratio	Lower	Upper
346135	106	100		
	91	210.5	105.3	315.8





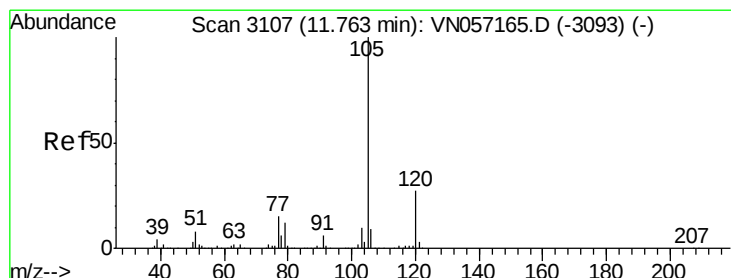
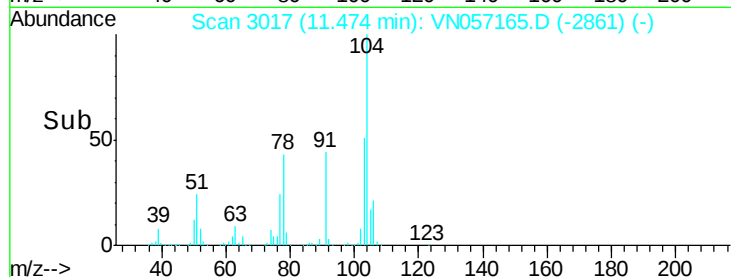
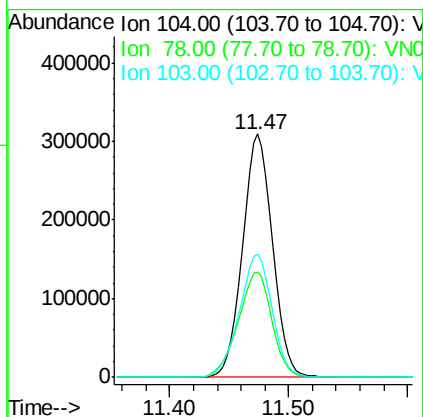
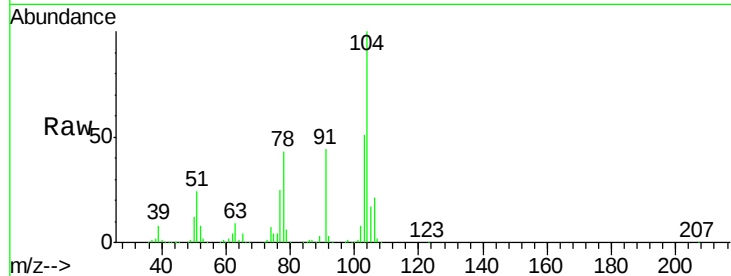
#69
Stvrene
Concen: 20.082 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	539375		
78	48.4		38.7	58.1
103	55.4		44.3	66.5

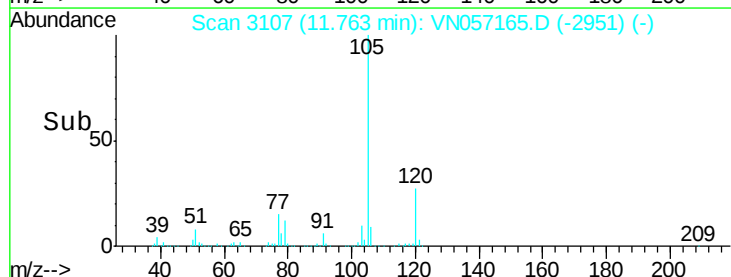
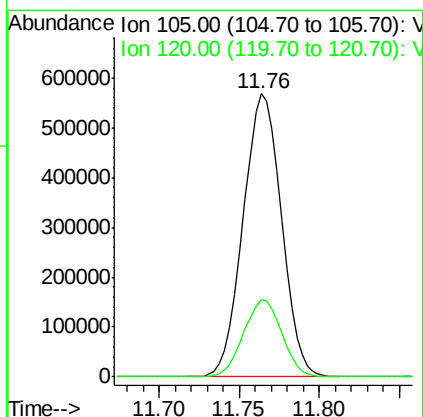
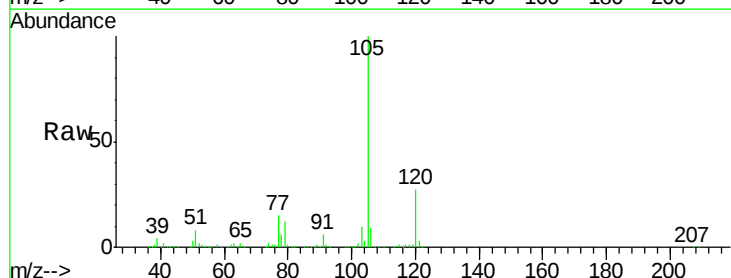
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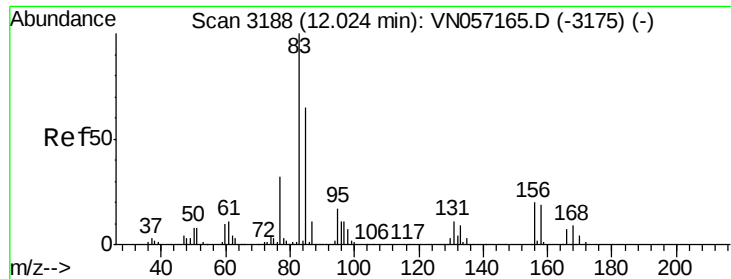
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#70
Isopropylbenzene
Concen: 20.656 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	931510		
120	27.3		19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 20.695 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

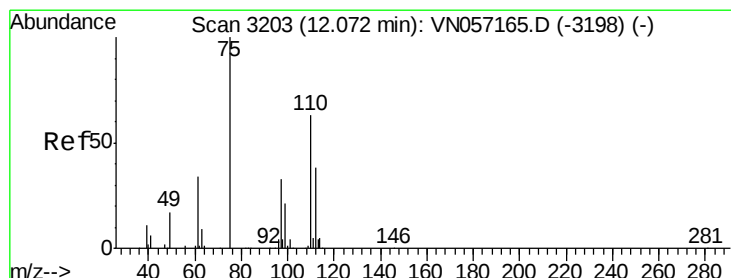
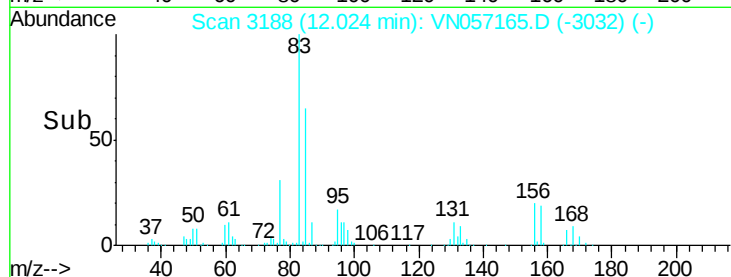
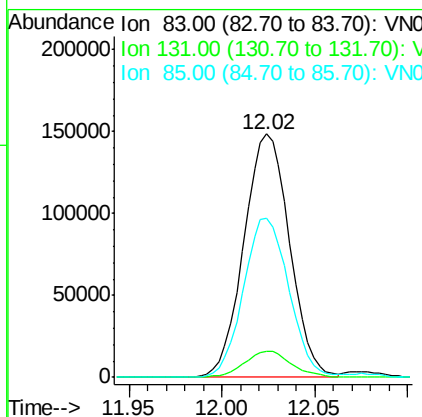
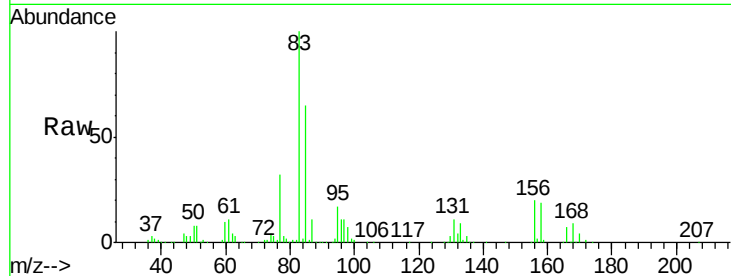
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	255602
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.5
85	65.3	32.6	98.0

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 20.188 ug/l m

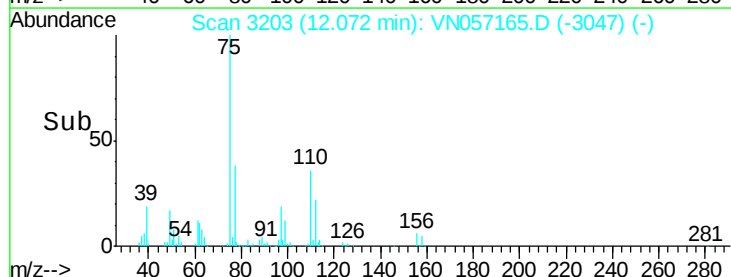
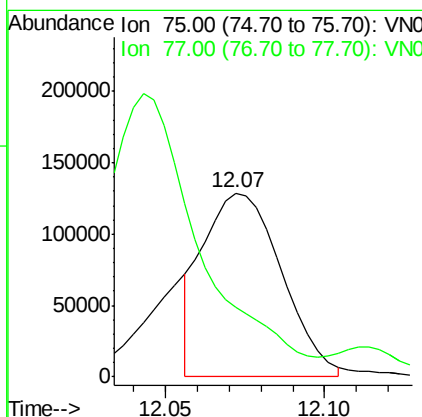
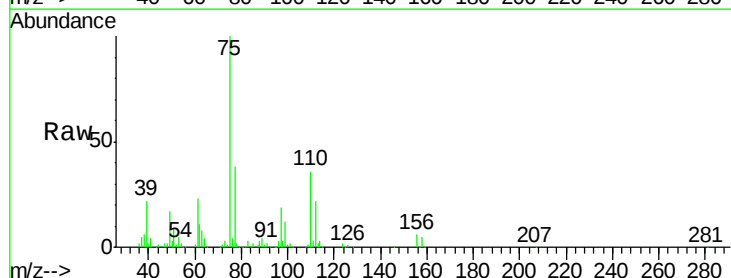
RT: 12.07 min Scan# 3203

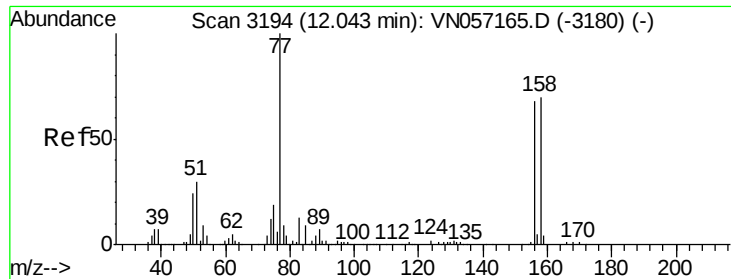
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	75	Resp:	221081
Ion Ratio	Lower	Upper	
75	100		
77	189.7	0.0	379.4





#73

Bromobenzene

Concen: 19.841 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

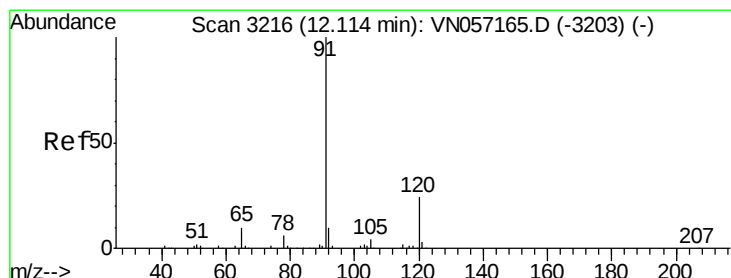
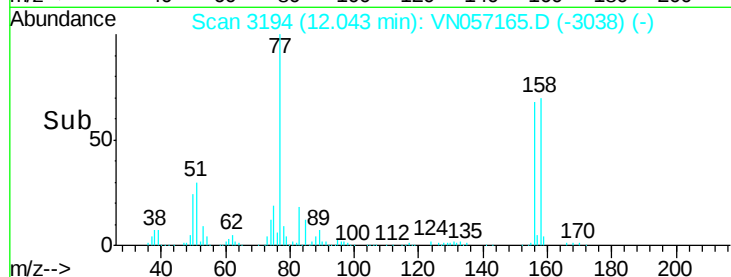
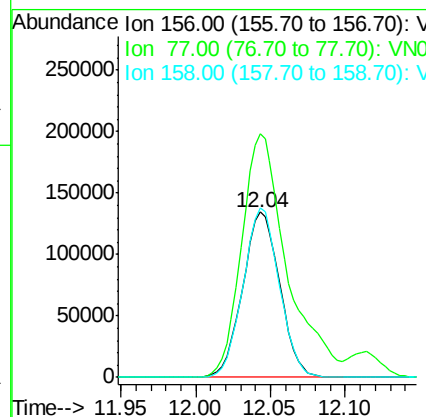
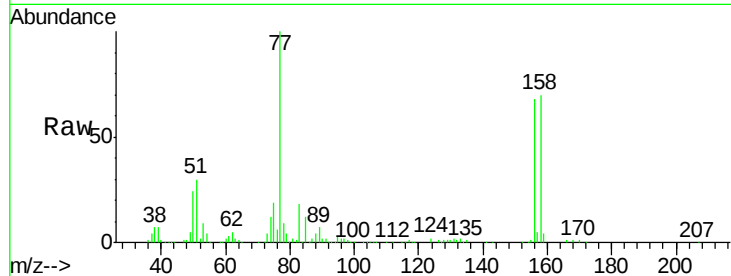
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	232017
Ion Ratio	Lower	Upper	
156	100		
77	180.8	0.0	361.6
158	100.3	0.0	200.6

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#74

n-propylbenzene

Concen: 19.690 ug/l

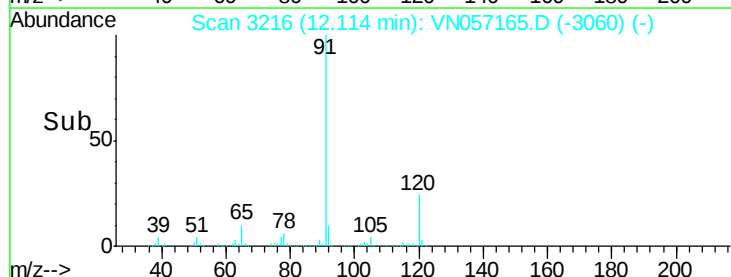
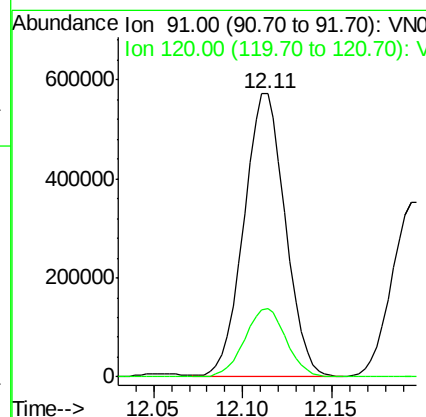
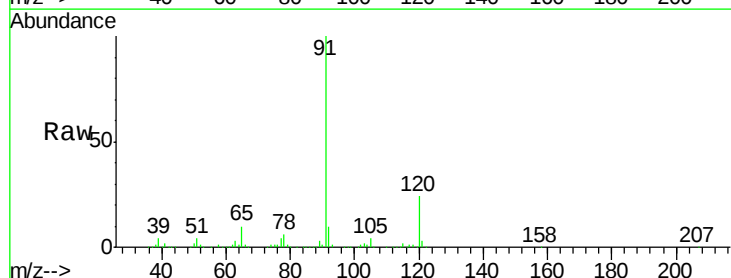
RT: 12.11 min Scan# 3216

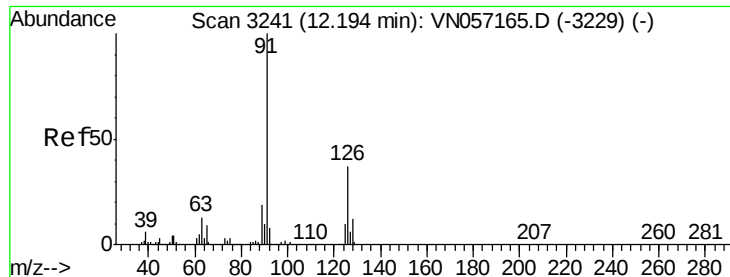
Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Tgt Ion:	91	Resp:	932137
Ion Ratio	Lower	Upper	
91	100		
120	24.1	0.0	48.2





#75

2-Chlorotoluene

Concen: 20.216 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057165.D

Acq: 10 Aug 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 591948

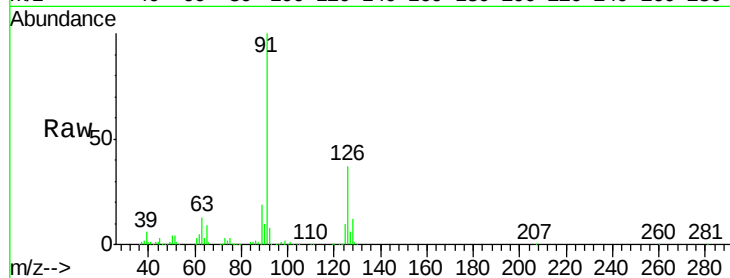
Ion Ratio Lower Upper

91 100

126 36.7 0.0 73.4

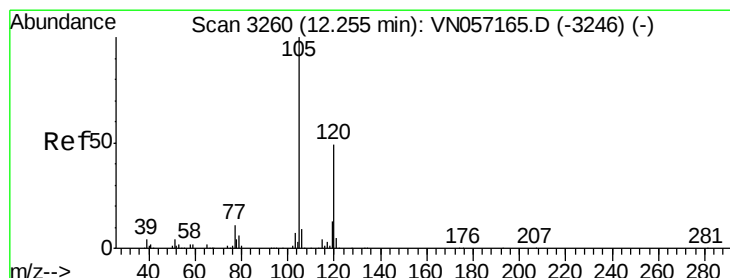
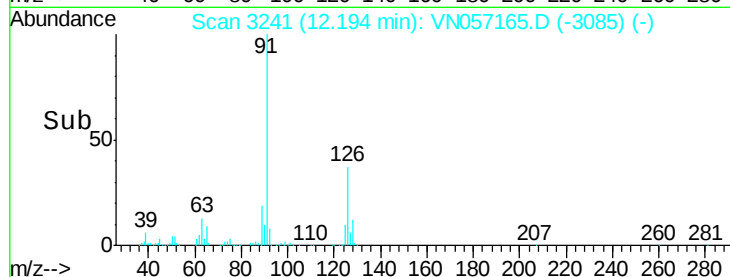
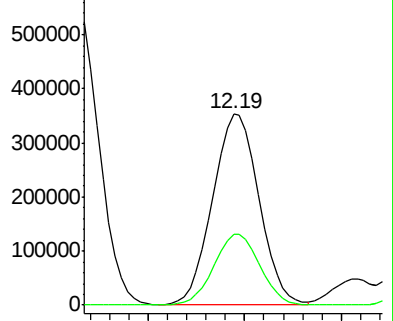
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.429 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057165.D

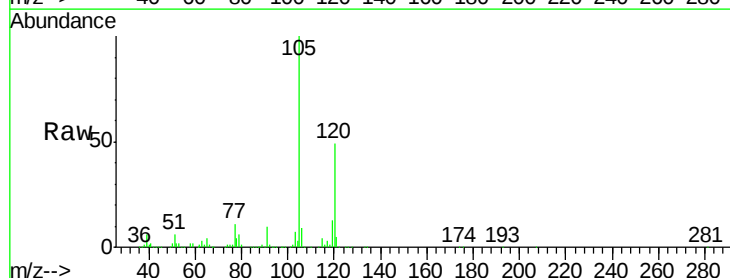
Acq: 10 Aug 2019 10:14

Tgt Ion: 105 Resp: 781193

Ion Ratio Lower Upper

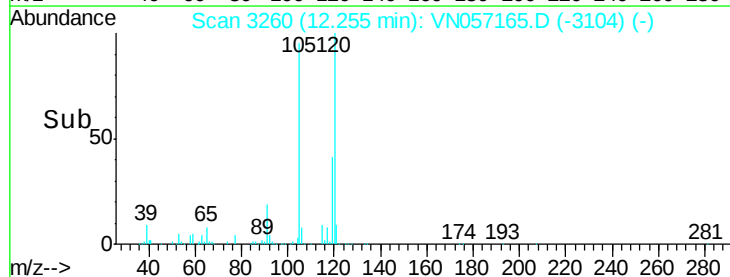
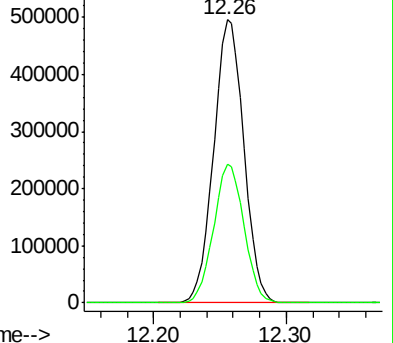
105 100

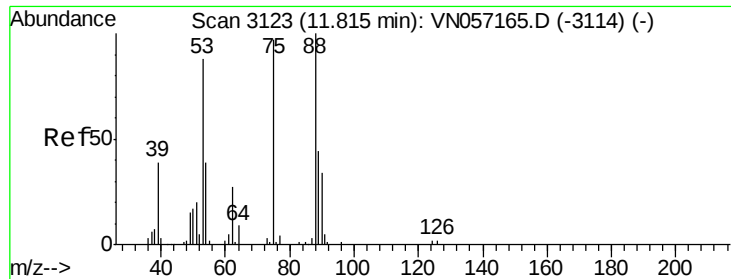
120 49.3 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)





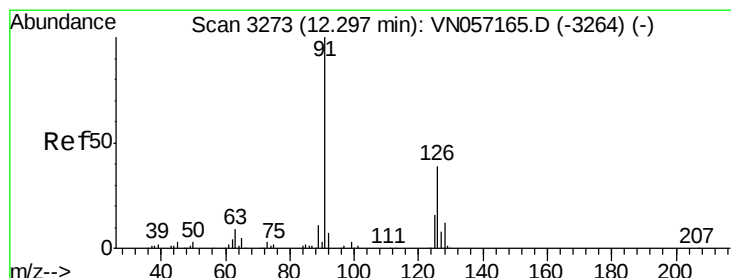
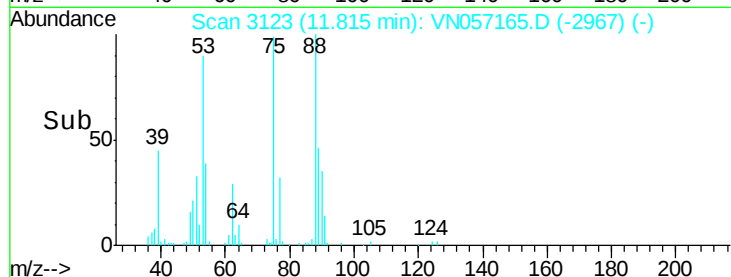
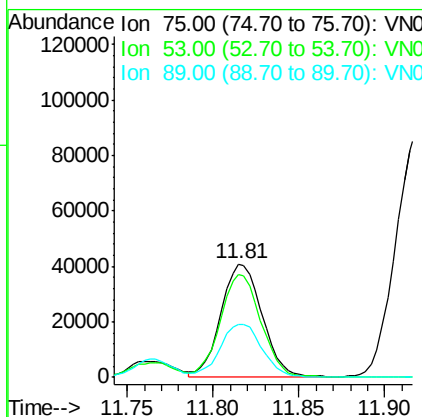
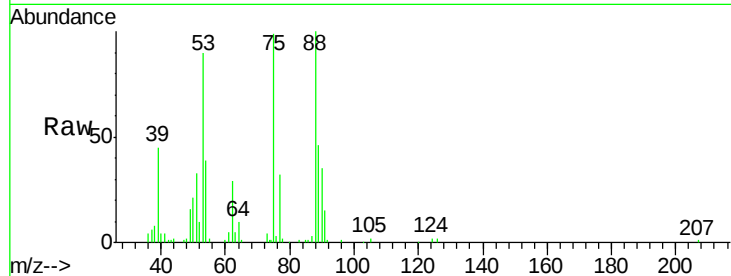
#77
t-1,4-Dichloro-2-butene
Concen: 18.861 ug/l
RT: 11.81 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	45.4	136.2
89	47.1	23.5	70.6

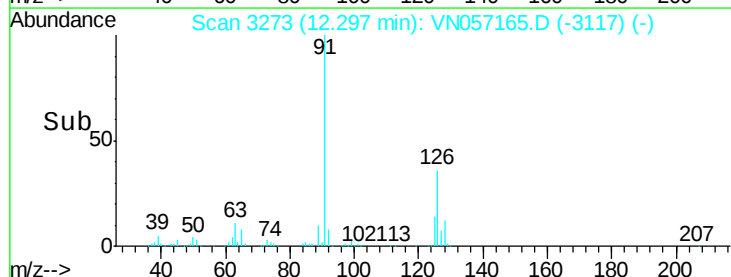
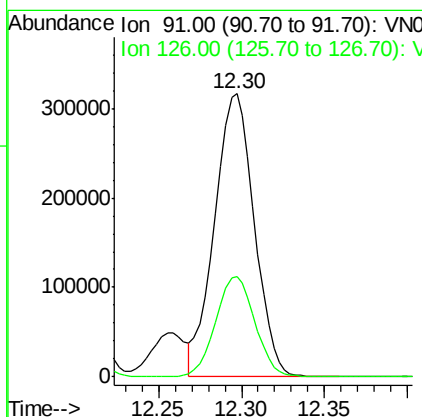
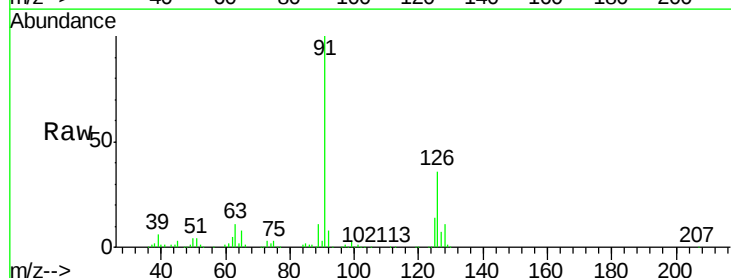
Manual Integrations
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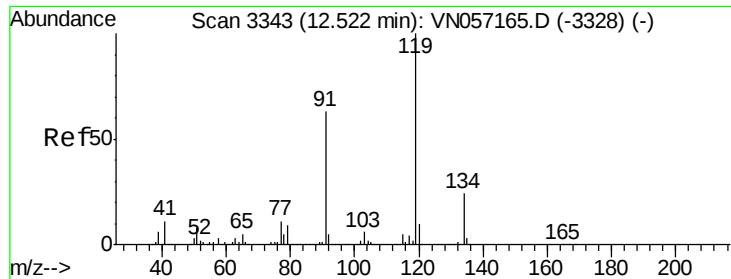
MMDadoda
8/12/2019 3:55:23 PM



#78
4-Chlorotoluene
Concen: 19.277 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	70.2





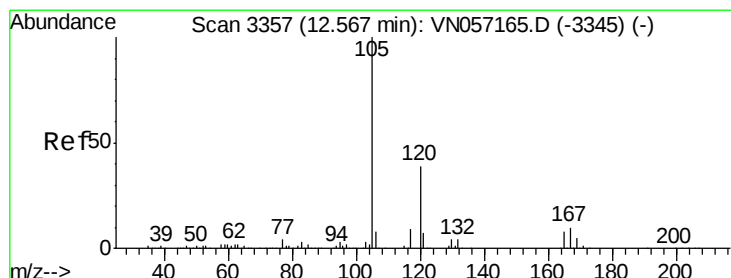
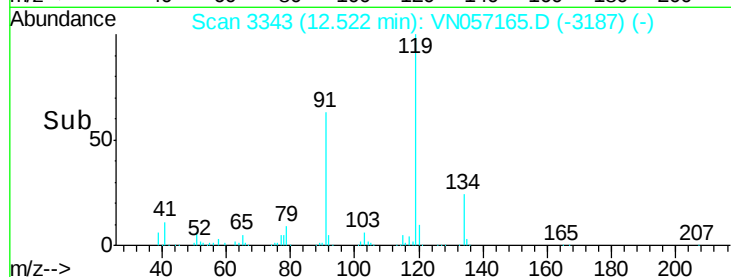
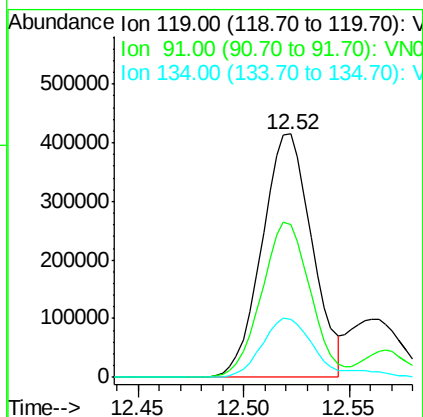
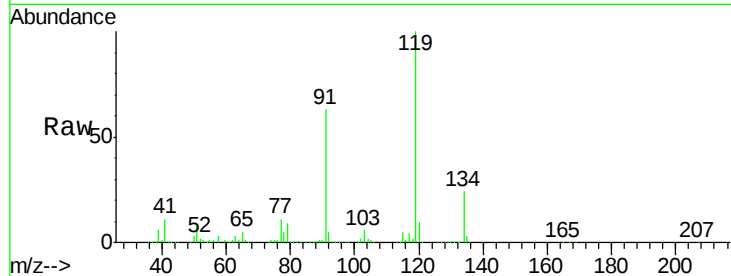
#79
tert-butylbenzene
Concen: 20.528 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	687025		
91	61.9		0.0	123.8
134	24.3		0.0	48.6

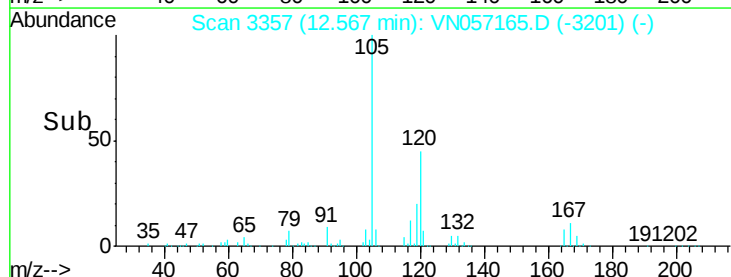
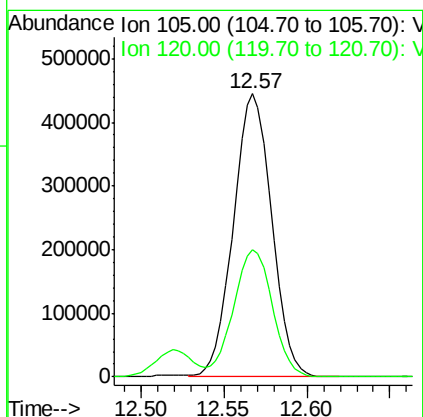
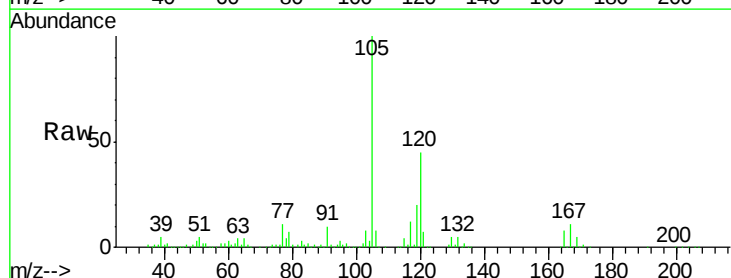
Manual Integrations
APPROVED

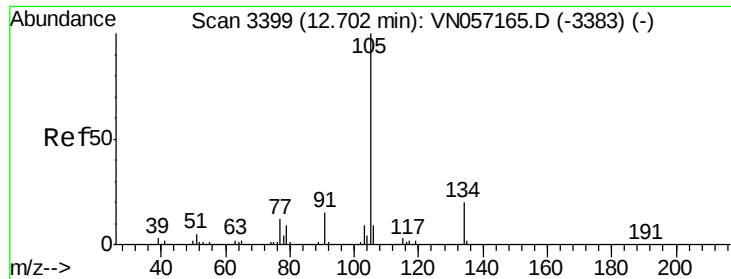
MMDadoda
8/12/2019 3:55:23 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.996 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	716047		
120	45.6		0.0	91.2





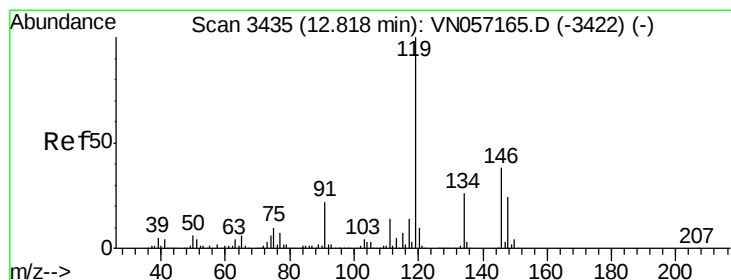
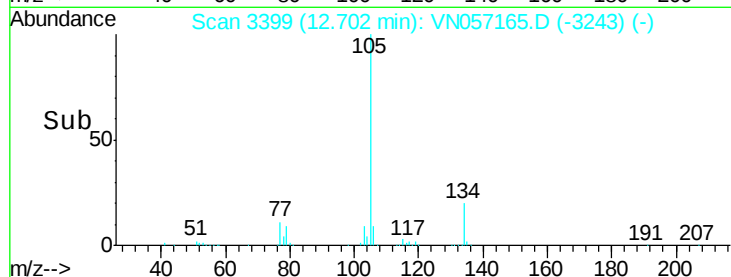
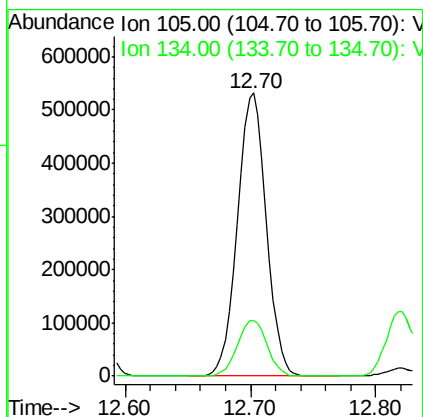
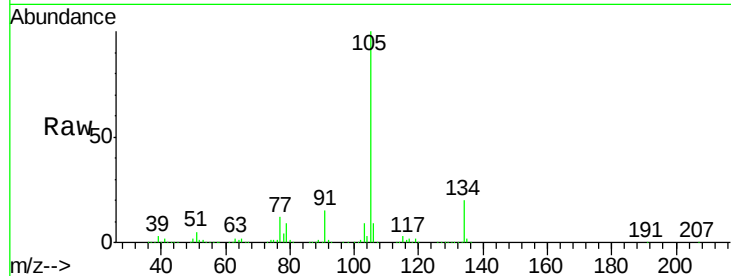
#81
 sec-Butylbenzene
 Concen: 20.114 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	848765		
134	20.3	0.0	40.6	

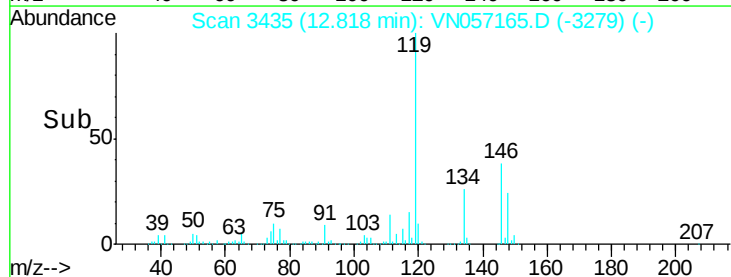
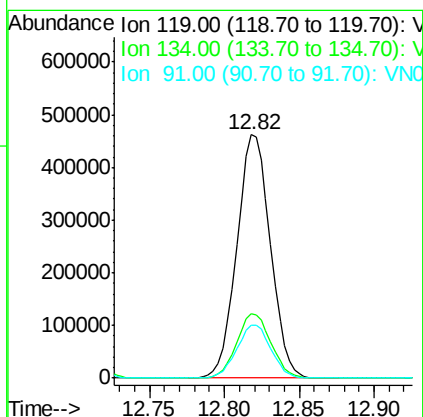
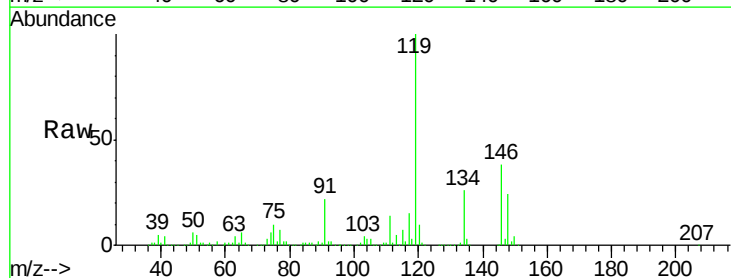
Manual Integrations
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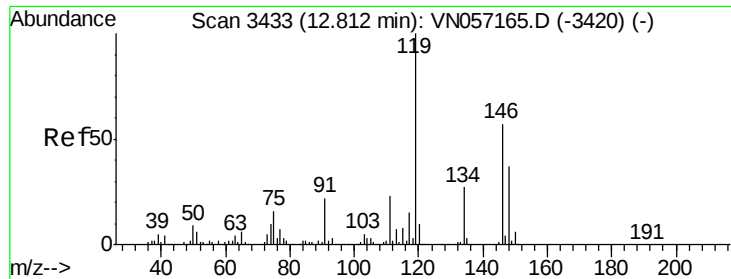
MMDadoda
 8/12/2019 3:55:23 PM



#82
 p-Isopropyltoluene
 Concen: 19.142 ug/l
 RT: 12.82 min Scan# 3435
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	719240		
134	27.1	0.0	54.2	
91	22.2	0.0	44.4	





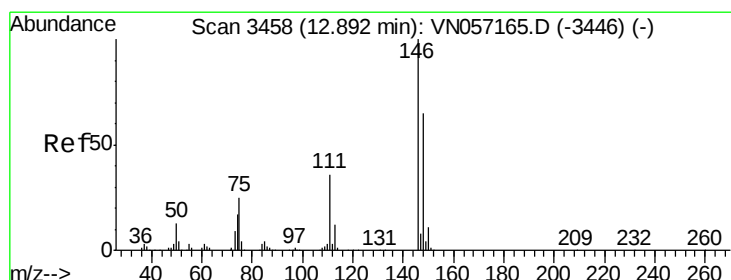
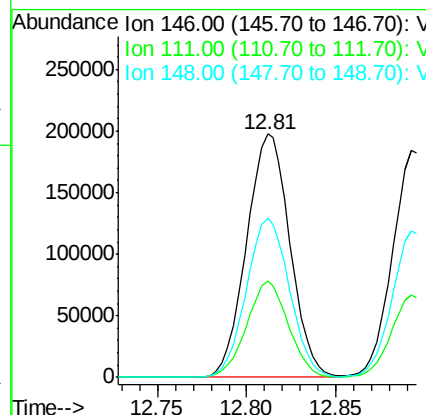
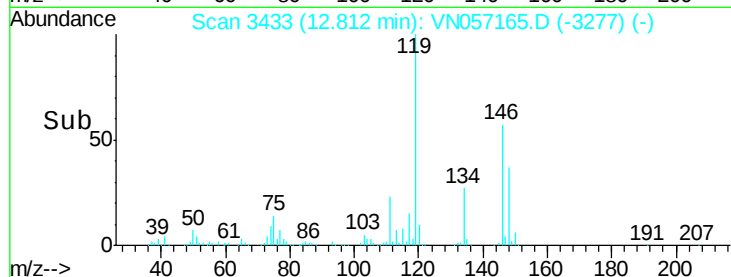
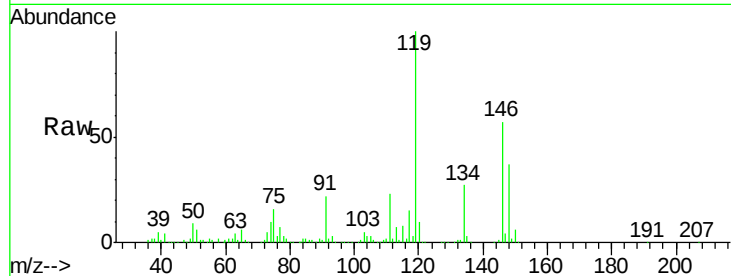
#83
 1,3-Dichlorobenzene
 Concen: 18.864 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	65.2	32.6	97.8

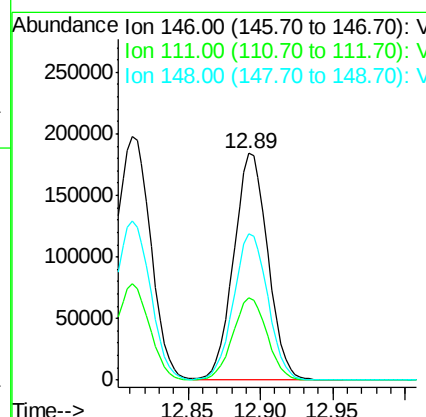
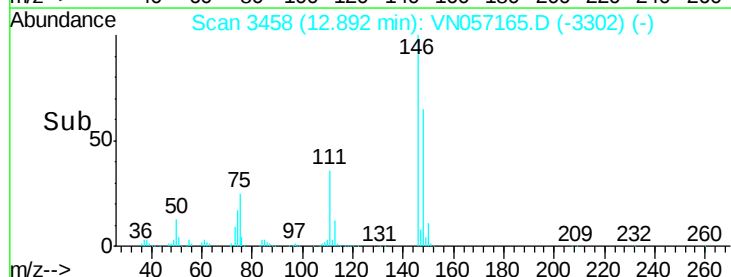
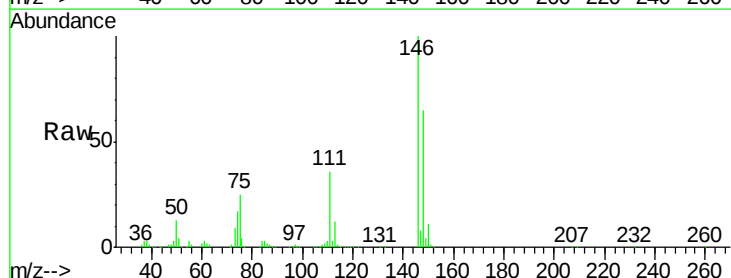
Manual Integrations
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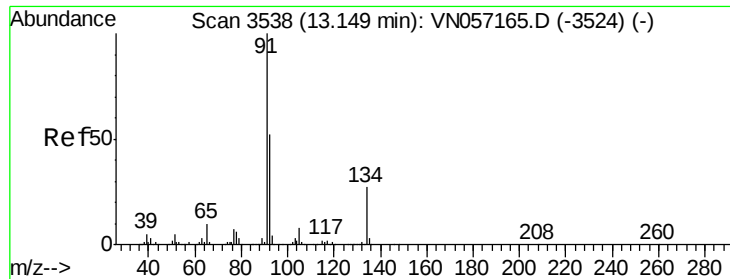
MMDadoda
 8/12/2019 3:55:23 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.172 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	64.6	32.3	96.9





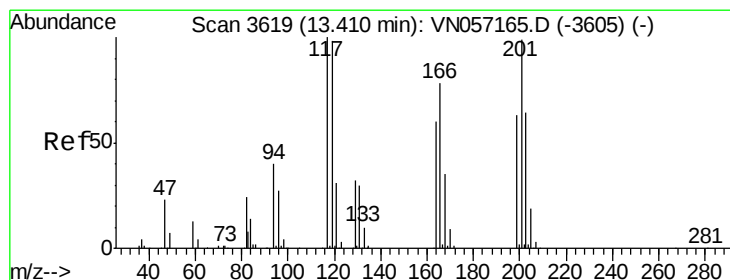
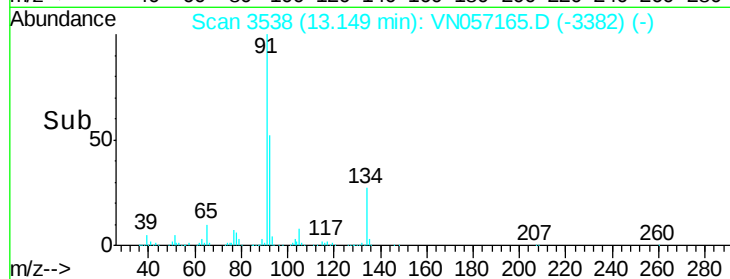
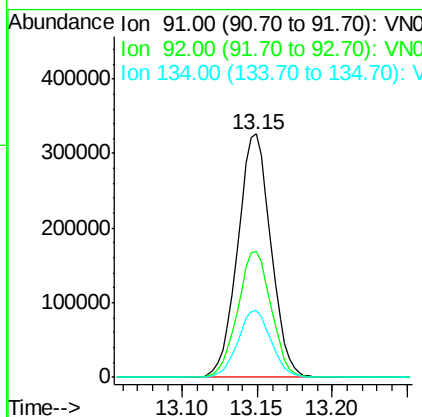
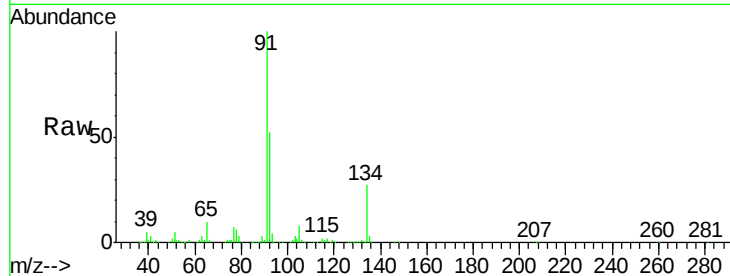
#85
n-Butylbenzene
Concen: 18.527 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	503341		
92	52.2	0.0	104.4	
134	27.5	0.0	55.0	

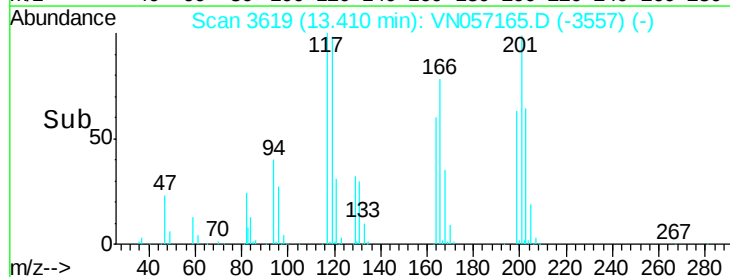
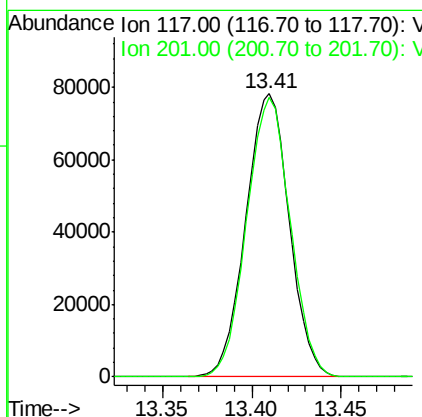
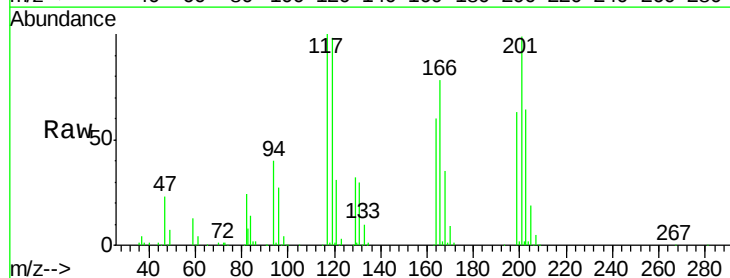
Manual Integrations
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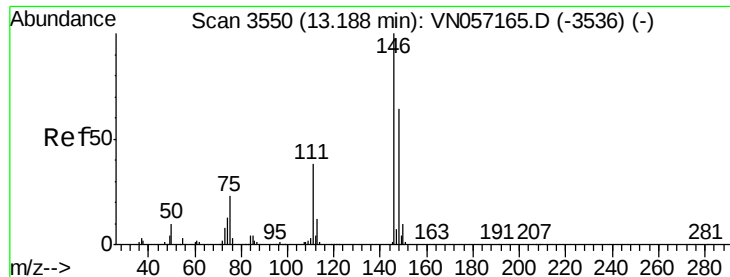
MMDadoda
8/12/2019 3:55:23 PM



#86
Hexachloroethane
Concen: 19.516 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	133337		
201	98.6	49.3	147.9	





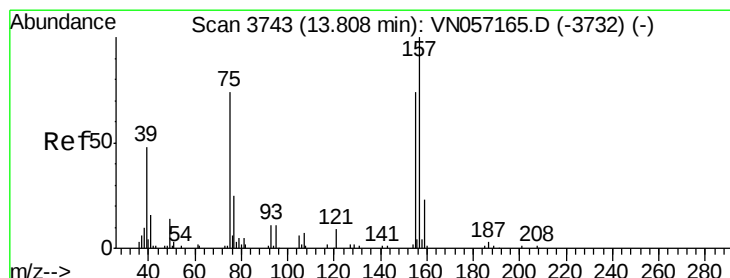
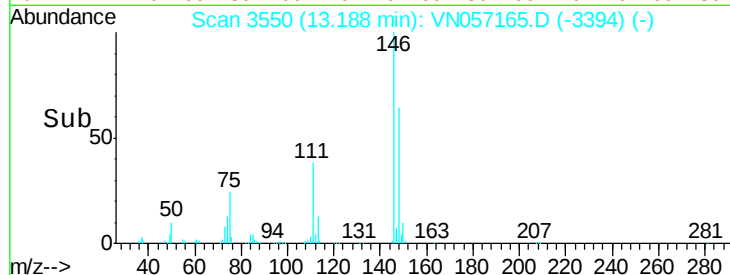
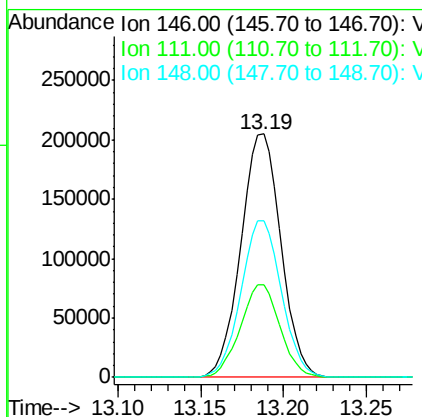
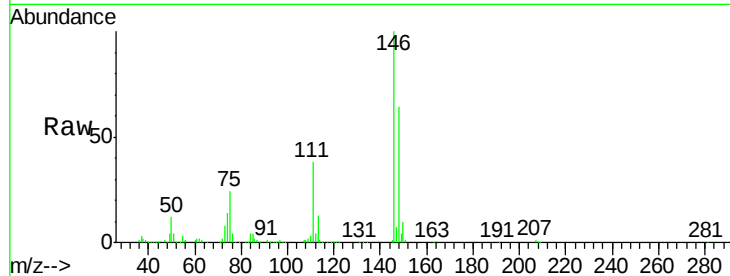
#87
 1,2-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.7	32.4	97.0

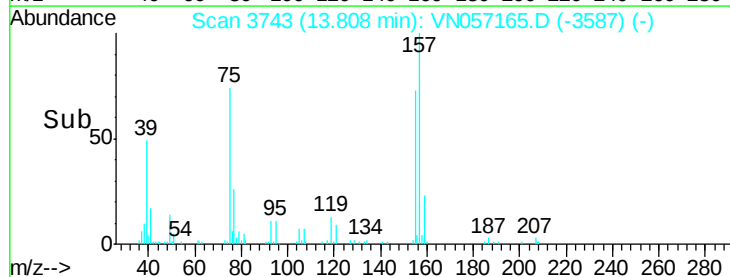
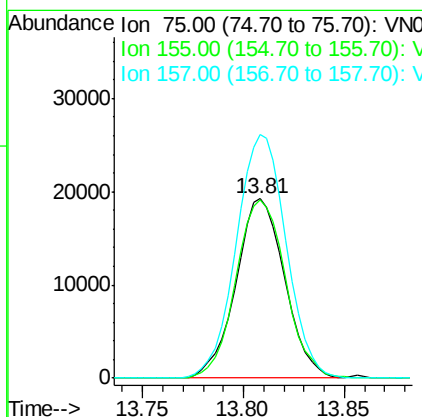
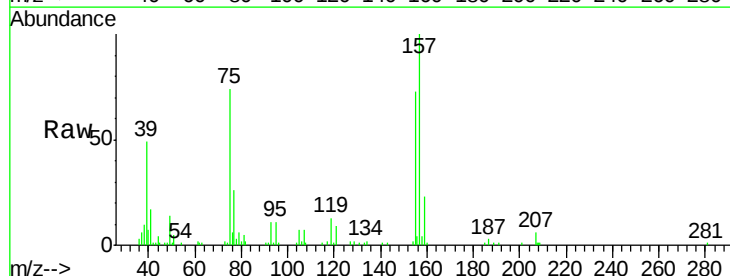
Manual Integrations
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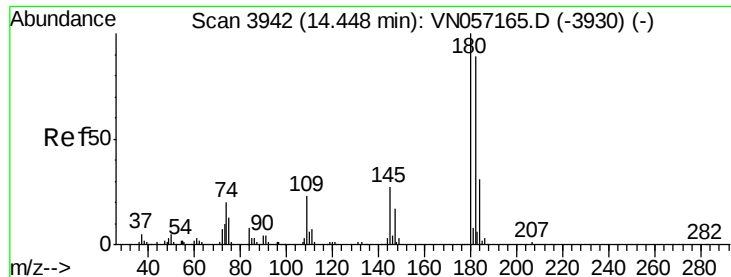
MMDadoda
 8/12/2019 3:55:23 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.797 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	80.9	121.3
157	139.1	111.3	166.9





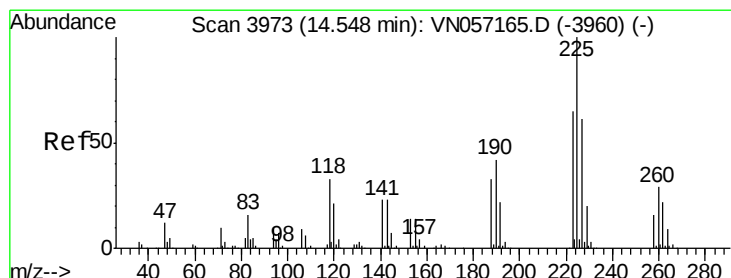
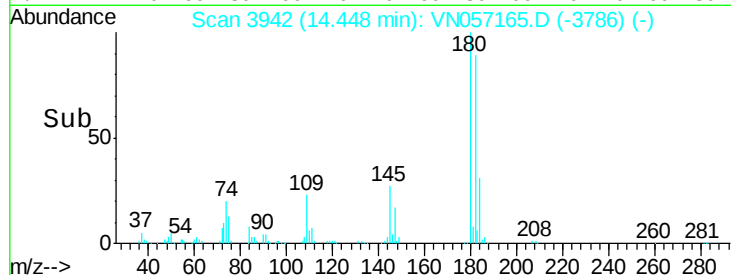
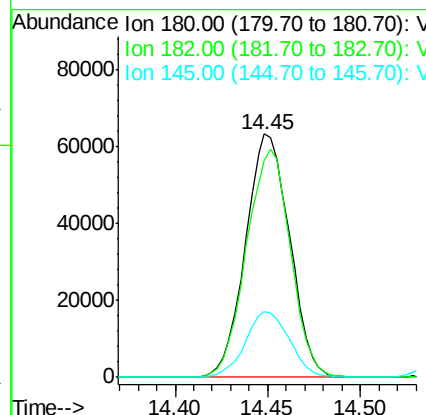
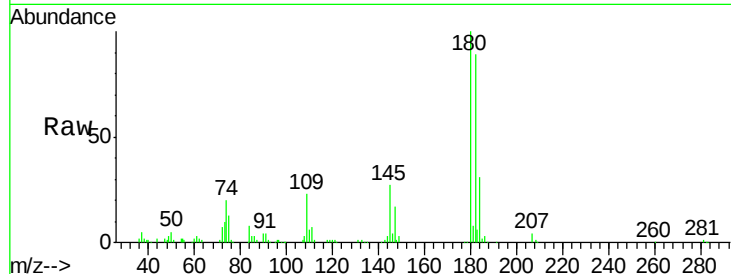
#89
 1,2,4-Trichlorobenzene
 Concen: 14.697 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103975		
182	93.8	75.0	112.6	
145	27.1	21.7	32.5	

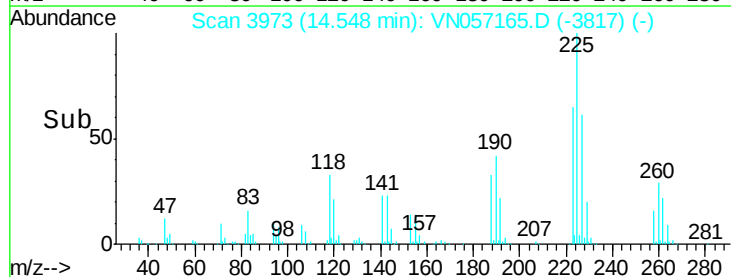
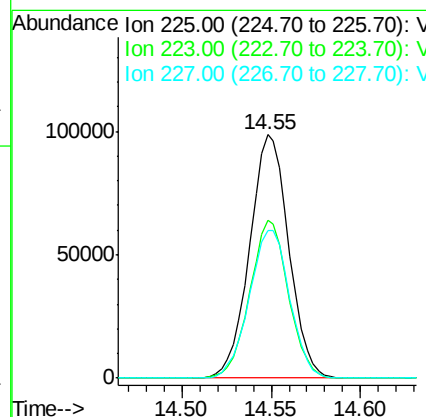
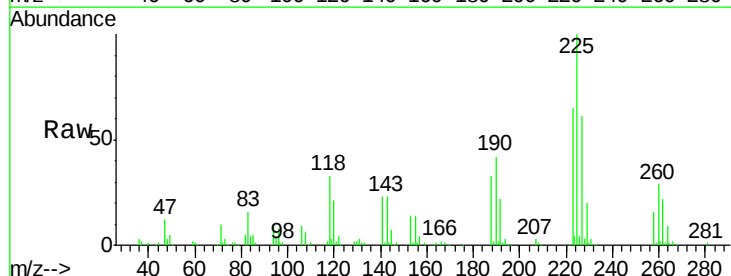
Manual Integrations
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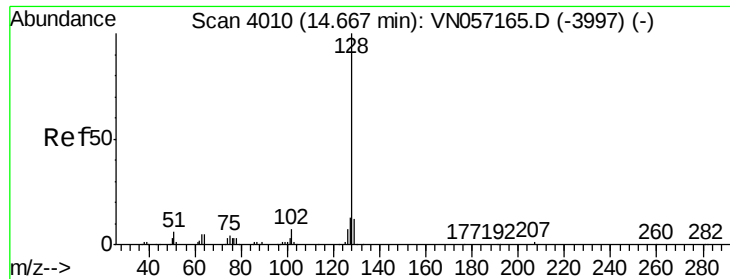
MMDadoda
 8/12/2019 3:55:23 PM



#90
 Hexachlorobutadiene
 Concen: 19.796 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057165.D
 Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150700		
223	64.0	0.0	128.0	
227	62.8	0.0	125.6	





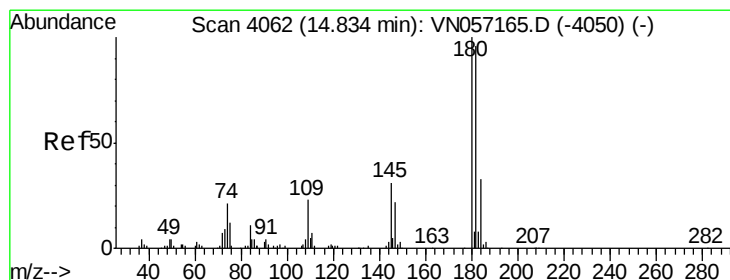
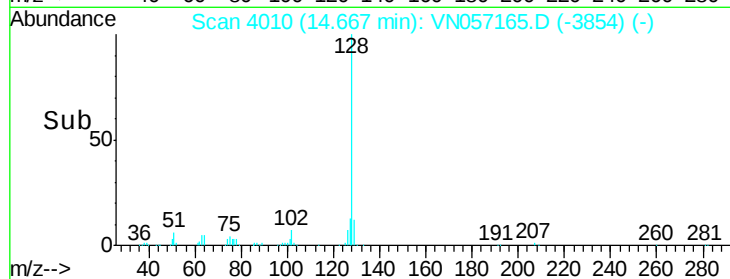
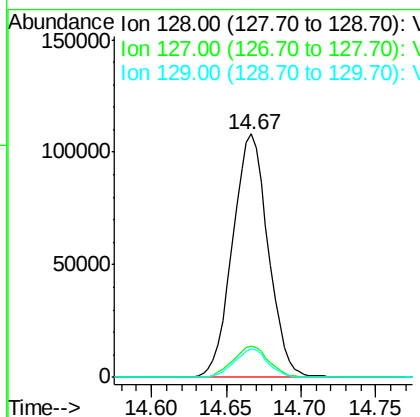
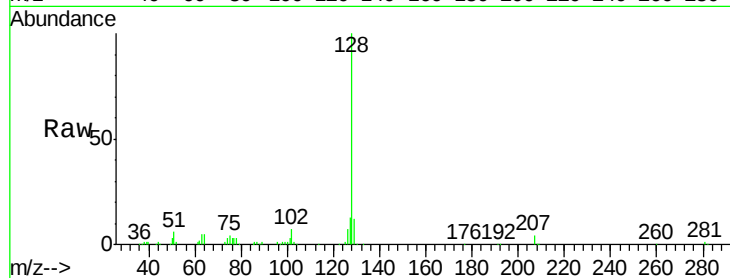
#91
Naphthalene
Concen: 13.365 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179141		
127	12.8	10.2	15.4	
129	10.8	8.6	13.0	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.471 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057165.D
Acq: 10 Aug 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107069		
182	97.9	0.0	195.8	
145	30.6	0.0	61.2	

