

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
 Data File : VN057167.D
 Acq On : 10 Aug 2019 11:02
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:55:33 PM

Quant Time: Aug 11 03:45:54 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	174656	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	957258	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	854156	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	337787	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.92	95	409638	32.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.37%
63) Toluene-d8	9.56	98	1154713	29.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	947272	99.434	ug/l 98
3) Chloromethane	2.00	50	1053182	95.437	ug/l 100
4) Vinyl Chloride	2.11	62	1095953	97.621	ug/l 98
5) Bromomethane	2.43	94	760433	95.086	ug/l 99
6) Chloroethane	2.55	64	706123	96.995	ug/l 100
7) Trichlorofluoromethane	2.82	101	1600501	95.610	ug/l 98
8) Diethyl Ether	3.14	74	608857	97.588	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	945969	93.422	ug/l 98
10) 1,1-Dichloroethene	3.43	96	968263	96.714	ug/l 99
11) Methyl Iodide	3.63	142	1599261	102.374	ug/l 97
12) Methyl Acetate	3.89	43	951003	91.188	ug/l 99
13) Acrolein	3.31	56	555797	483.243	ug/l 100
14) Acrylonitrile	4.45	53	2091372	480.652	ug/l 99
15) Acetone	3.47	58	661574	458.135	ug/l 95
16) Carbon Disulfide	3.72	76	2654939	98.298	ug/l 100
17) Allyl chloride	3.91	41	1375939	93.224	ug/l 96
18) Methylene Chloride	4.10	84	1071210	94.378	ug/l 99
19) trans-1,2-Dichloroethene	4.51	96	1024232	95.428	ug/l 97
20) Diisopropyl ether	5.31	45	2891944	96.074	ug/l 95
21) 1,1-Dichloroethane	5.25	63	1796700	95.836	ug/l 99
22) cis-1,2-Dichloroethene	6.21	96	1179359	96.541	ug/l 97
23) tert-Butyl Alcohol	4.23	59	705899	491.639	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	2866555	97.369	ug/l 99
25) Chloroform	6.76	83	1839788	95.438	ug/l 98
26) Cyclohexane	7.07	56	1558402	97.237	ug/l # 100
29) 1,1-Dichloropropene	7.20	75	1412171	98.097	ug/l 100
30) 2-Butanone	6.20	43	2730851	481.843	ug/l 99
31) 2,2-Dichloropropane	6.21	77	1504897	97.777	ug/l 100
32) 1,1,1-Trichloroethane	6.98	97	1621079	97.238	ug/l 100
33) Carbon Tetrachloride	7.18	117	1465956	98.782	ug/l 94
34) Benzene	7.46	78	4227703	96.209	ug/l # 95
35) Methacrylonitrile	6.55	41	580377	101.322	ug/l 92
36) 1,2-Dichloroethane	7.54	62	1350822	96.225	ug/l 100
37) Trichloroethene	8.27	130	1198184	95.954	ug/l 99
38) Methylcyclohexane	8.52	83	1707780	99.414	ug/l 99
39) 1,2-Dichloropropane	8.56	63	1091658	56.142	ug/l 97
40) Dibromomethane	8.65	93	713074	97.790	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	1447764	99.851	ug/l	98
42) Vinyl Acetate	5.26	43	11734511	498.044	ug/l	100
43) Ethyl Acetate	6.28	43	1098455	105.088	ug/l	100
44) Isopropyl Acetate	7.56	43	1874930	98.792	ug/l	96
45) 1,4-Dioxane	8.64	88	347555	1962.404	ug/l	97
46) Methyl methacrylate	8.63	41	872704	100.855	ug/l	96
47) n-amyl Acetate	11.58	43	1556163	111.451	ug/l	99
48) t-1,3-Dichloropropene	9.86	75	1593692	103.080	ug/l	99
49) cis-1,3-Dichloropropene	9.30	75	1773931	111.674	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	1020791	97.947	ug/l	97
51) Ethyl methacrylate	9.91	69	1502621	102.167	ug/l	99
52) 1,3-Dichloropropane	10.19	76	1686509	97.085	ug/l	100
53) Dibromochloromethane	10.39	129	1195385	101.791	ug/l	98
54) 1,2-Dibromoethane	10.50	107	1087563	99.969	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	2266634	545.820	ug/l	99
56) Bromoform	11.64	173	907627	104.590	ug/l	100
58) 4-Methyl-2-Pentanone	9.45	43	5349788	487.548	ug/l	99
59) 2-Hexanone	10.24	43	3884372	492.387	ug/l	98
61) Tetrachloroethene	10.11	164	1165719	88.919	ug/l	98
62) Toluene	9.63	91	4634890	95.332	ug/l	100
64) Chlorobenzene	10.93	112	2932387	98.063	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	1119429	97.618	ug/l	98
66) Ethyl Benzene	11.01	91	5164018	99.086	ug/l	99
67) m/p-Xylenes	11.12	106	3930473	199.986	ug/l	100
68) o-Xylene	11.46	106	1905641	99.871	ug/l	100
69) Styrene	11.47	104	3223308	105.348	ug/l	99
70) Isopropylbenzene	11.76	105	5107196	99.416	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	1369965	97.368	ug/l	99
72) 1,2,3-Trichloropropane	12.08	75	1213103m	97.240	ug/l	
73) Bromobenzene	12.04	156	1355831	101.781	ug/l	97
74) n-propylbenzene	12.11	91	5687474	105.460	ug/l	100
75) 2-Chlorotoluene	12.20	91	3393113	101.722	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	4372301	105.286	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	450828	108.786	ug/l	93
78) 4-Chlorotoluene	12.30	91	3350911	108.164	ug/l	99
79) tert-butylbenzene	12.52	119	3770898	98.910	ug/l	98
80) 1,2,4-Trimethylbenzene	12.57	105	4253573	104.274	ug/l	99
81) sec-Butylbenzene	12.70	105	4954544	103.070	ug/l	99
82) p-Isopropyltoluene	12.82	119	4557075	106.465	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	2265250	111.680	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	2179732	115.526	ug/l	100
85) n-Butylbenzene	13.15	91	3482888	112.537	ug/l	99
86) Hexachloroethane	13.41	117	794162	102.037	ug/l	100
87) 1,2-Dichlorobenzene	13.19	146	2237238	111.222	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	223674	113.306	ug/l	95
89) 1,2,4-Trichlorobenzene	14.45	180	1093542	135.688	ug/l	99
90) Hexachlorobutadiene	14.55	225	872413	100.602	ug/l	99
91) Naphthalene	14.67	128	2061137	134.988	ug/l	100
92) 1,2,3-Trichlorobenzene	14.83	180	973751	131.496	ug/l	98

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ClientSampleId :
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Manual Integrations
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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

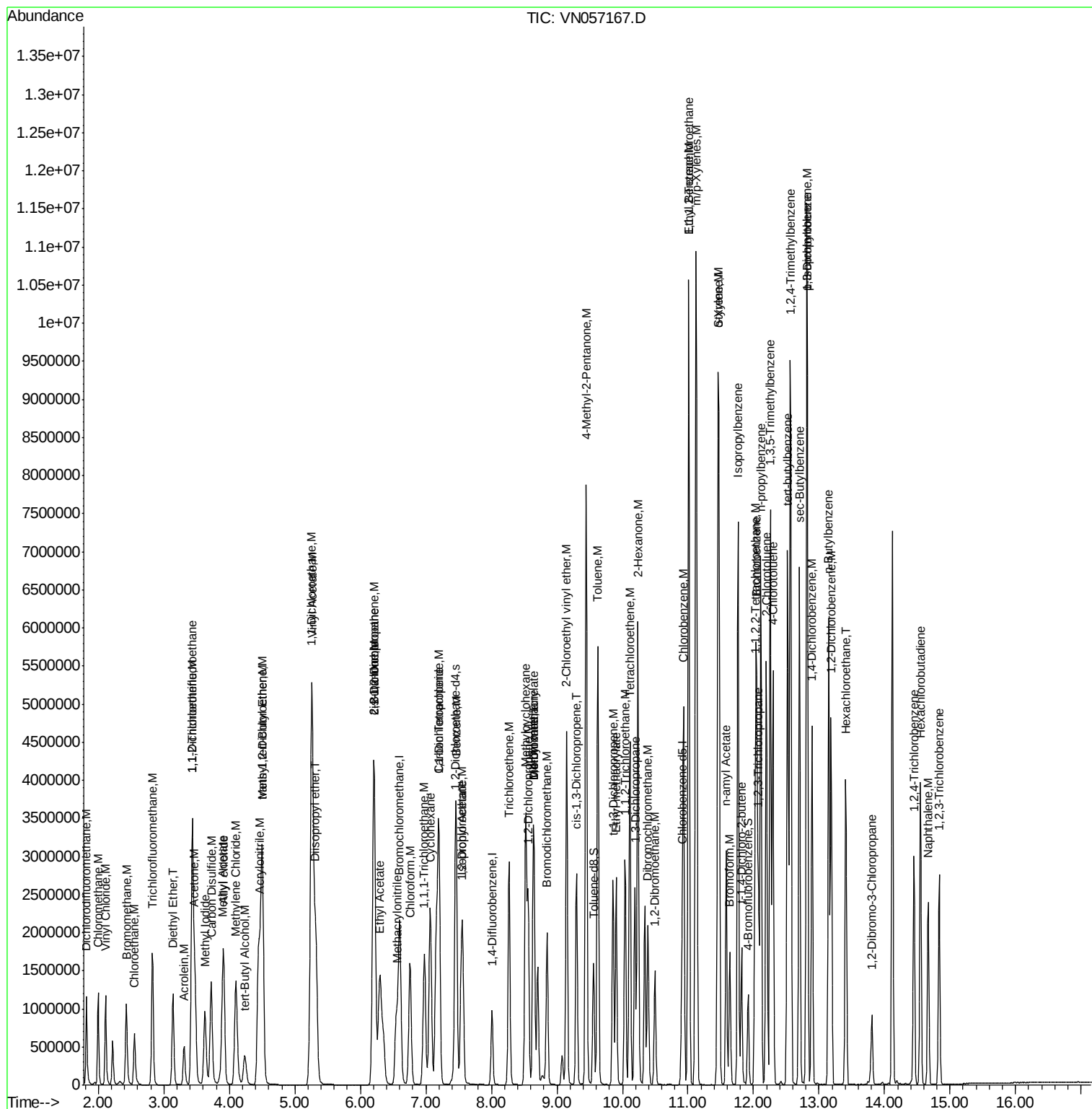
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
Data File : VN057167.D
Acq On : 10 Aug 2019 11:02
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

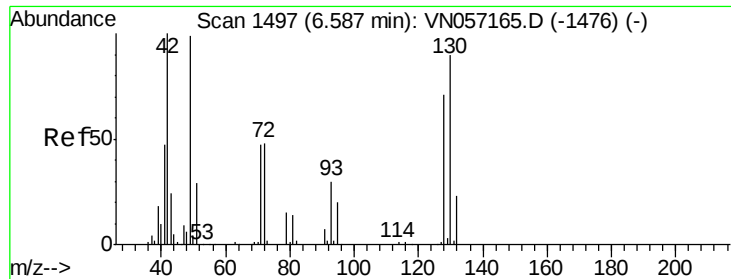
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

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8/12/2019 3:55:33 PM

Quant Time: Aug 11 03:45:54 2019
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QLast Update : Sun Aug 11 03:32:59 2019
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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: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

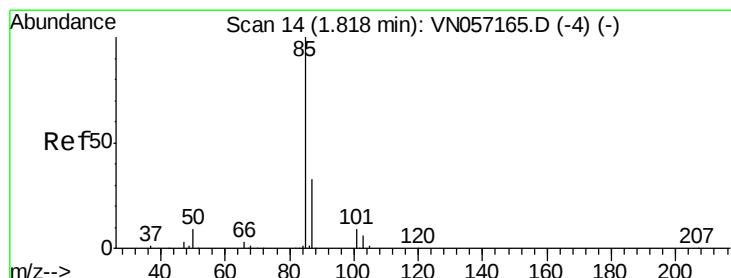
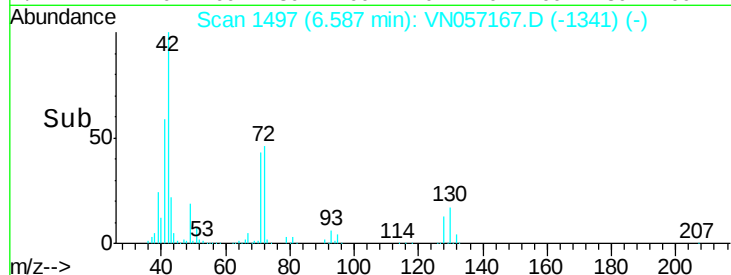
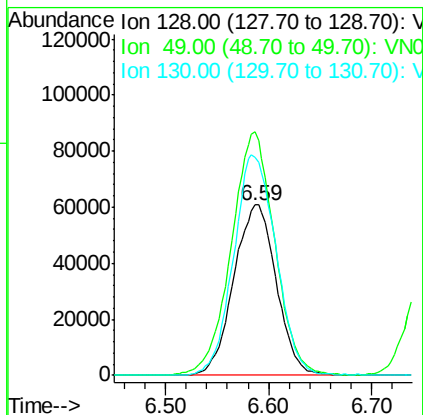
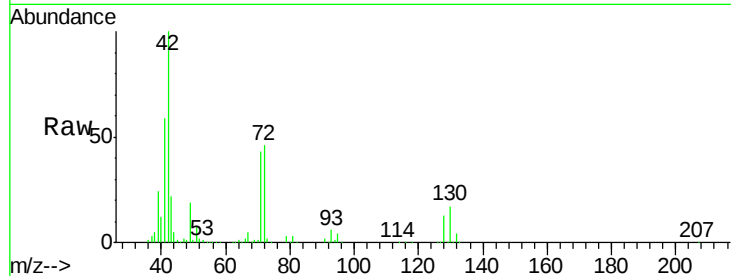
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	174656
Ion	Ratio	Lower	Upper
128	100		
49	145.6	0.0	361.0
130	129.0	0.0	329.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 99.434 ug/l

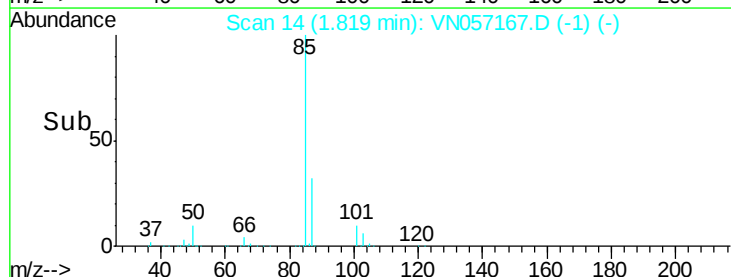
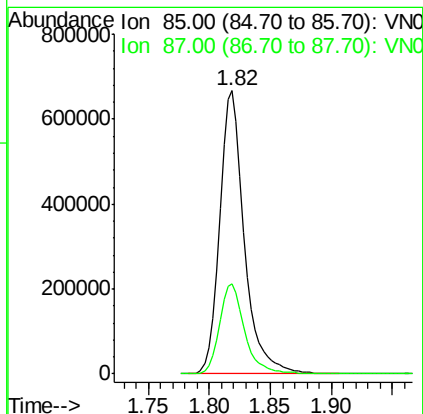
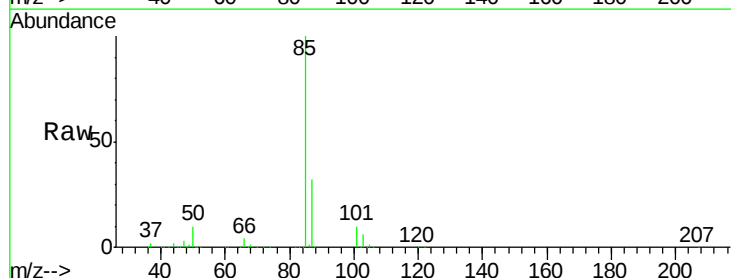
RT: 1.82 min Scan# 14

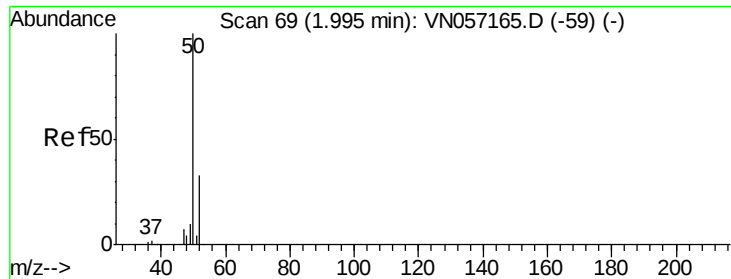
Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	85	Resp:	947272
Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.5	49.5





#3

Chloromethane

Concen: 95.437 ug/l

RT: 2.00 min Scan# 69

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1053182

Ion Ratio Lower Upper

50 100

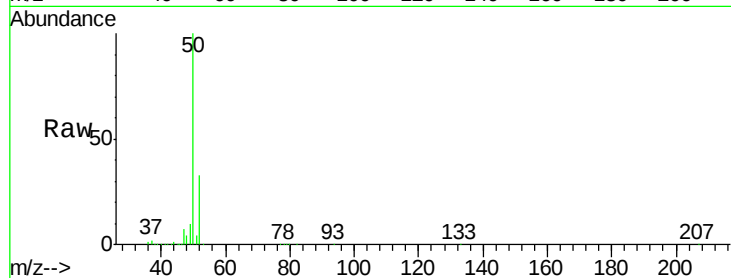
52 33.1 26.5 39.7

Manual Integrations

APPROVED

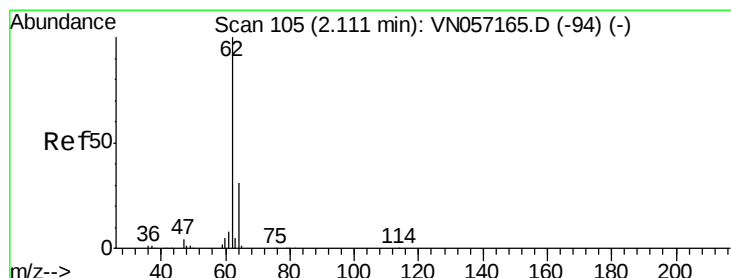
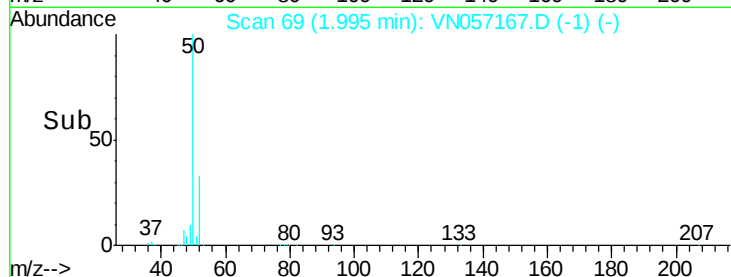
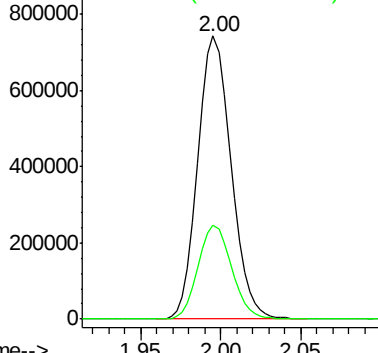
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 97.621 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057167.D

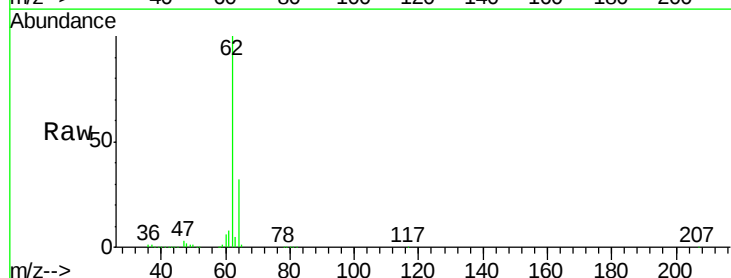
Acq: 10 Aug 2019 11:02

Tgt Ion: 62 Resp: 1095953

Ion Ratio Lower Upper

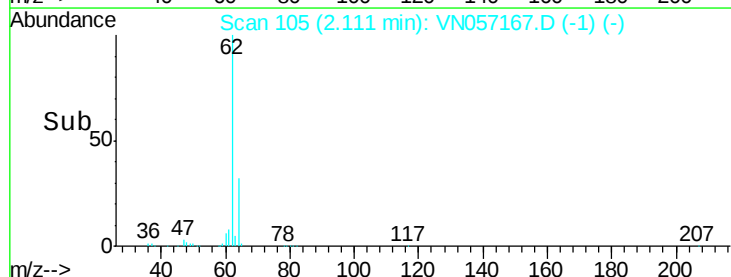
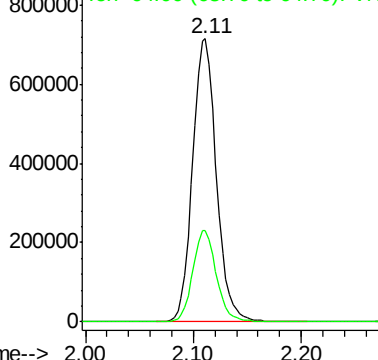
62 100

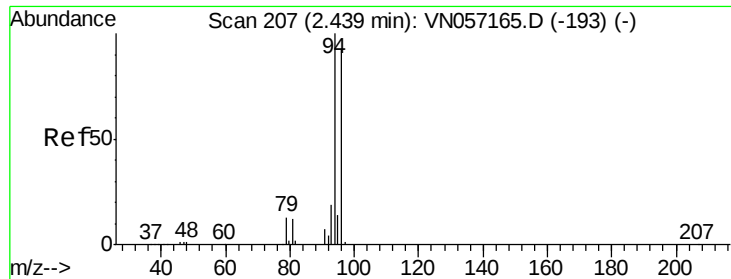
64 32.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 95.086 ug/l

RT: 2.43 min Scan# 203

Delta R.T. -0.01 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 760433

Ion Ratio Lower Upper

94 100

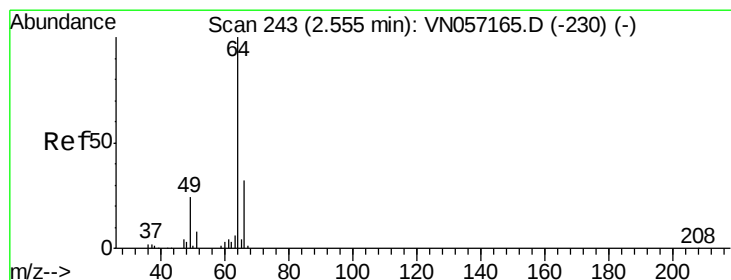
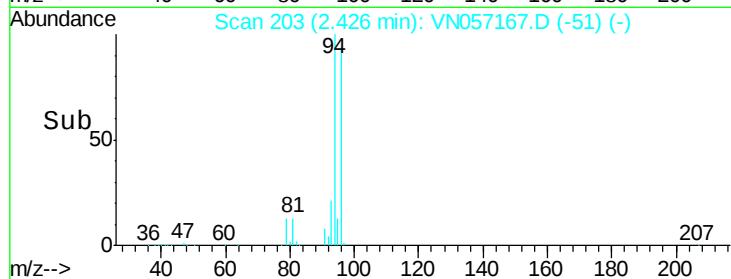
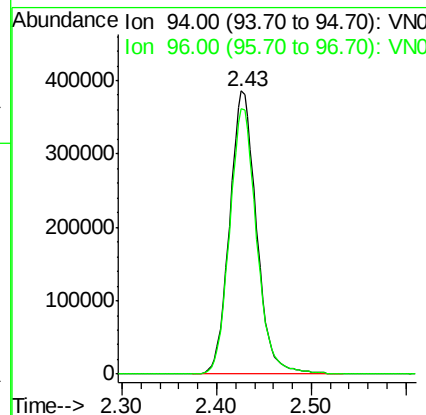
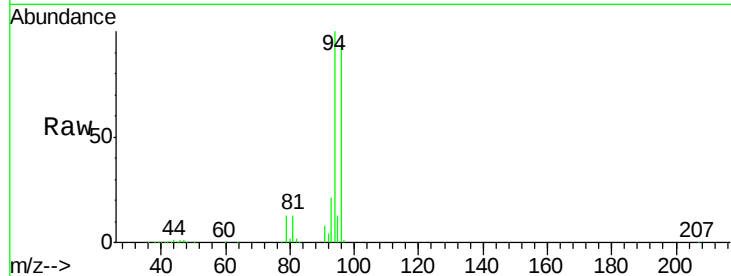
96 94.0 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 96.995 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN057167.D

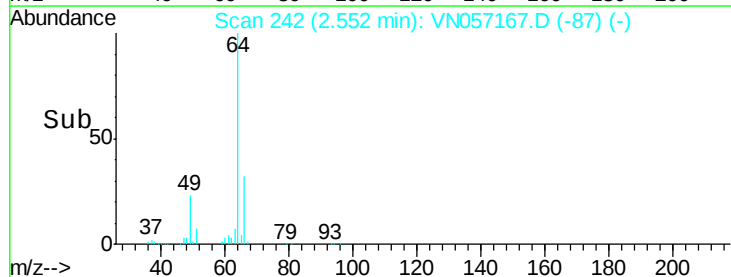
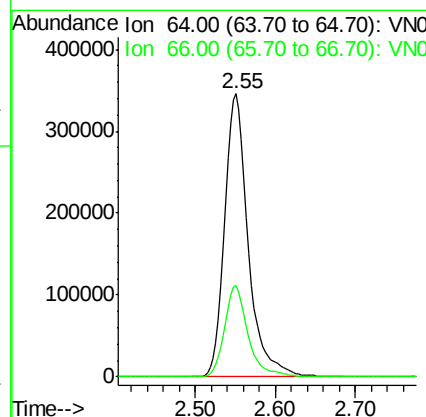
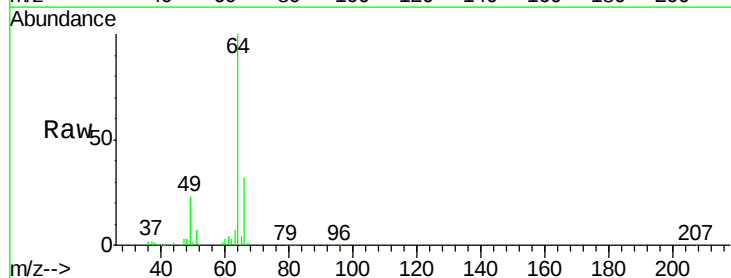
Acq: 10 Aug 2019 11:02

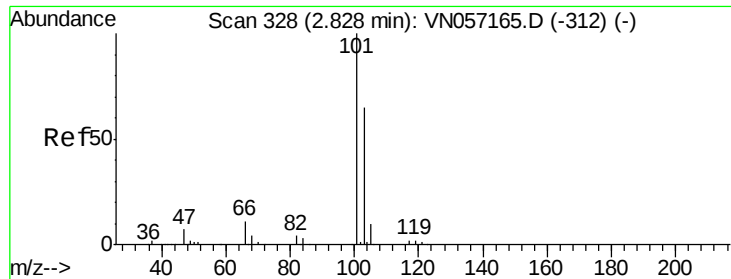
Tgt Ion: 64 Resp: 706123

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6





#7

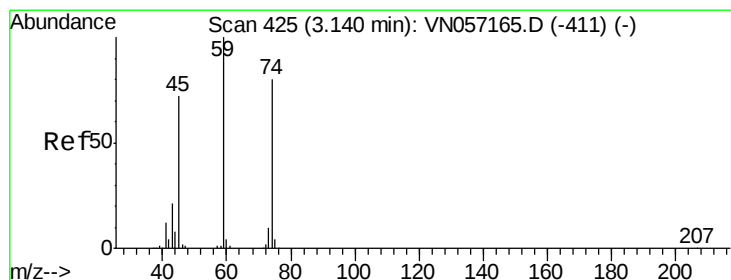
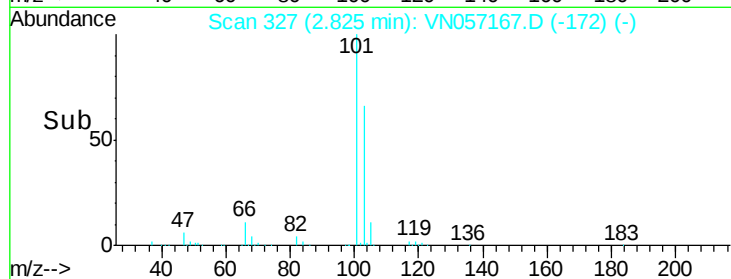
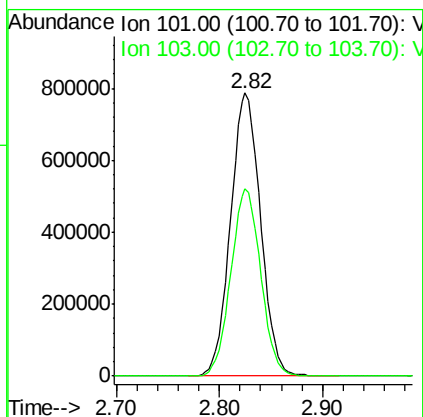
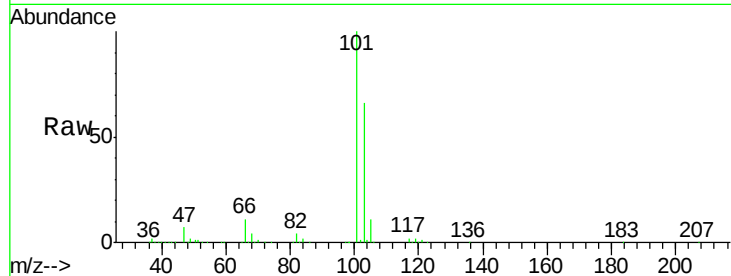
Trichlorofluoromethane
 Concen: 95.610 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.8	77.8

Manual Integrations
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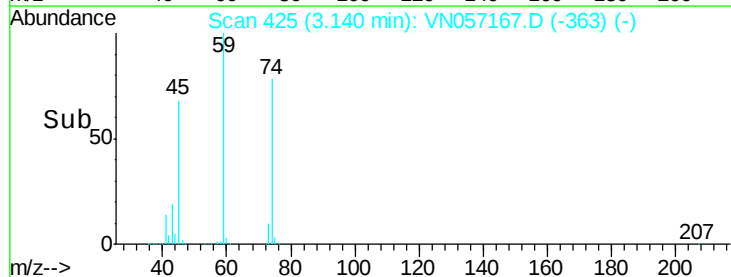
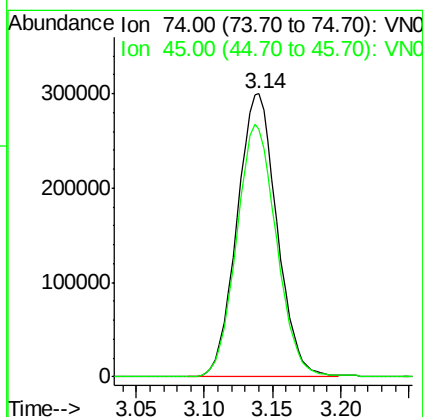
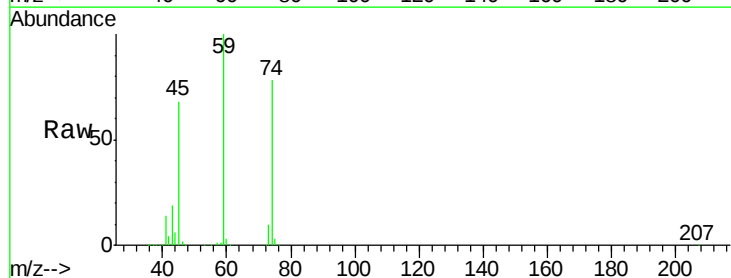
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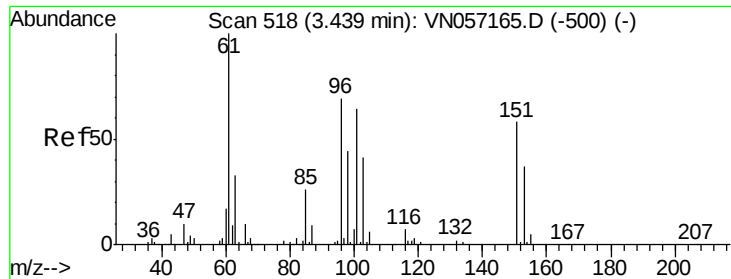


#8

Diethyl Ether
 Concen: 97.588 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	17.9	161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.422 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

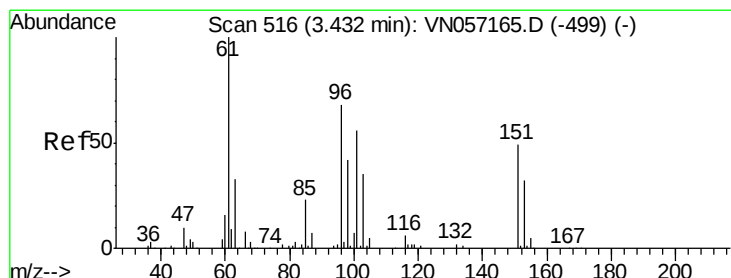
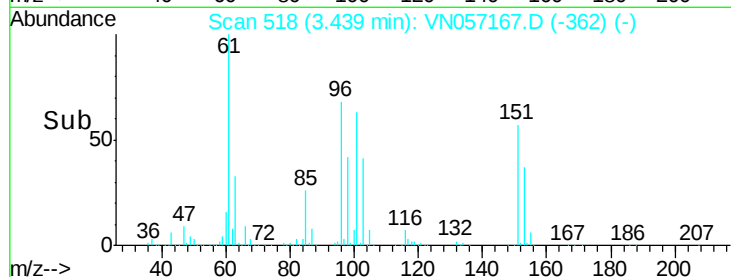
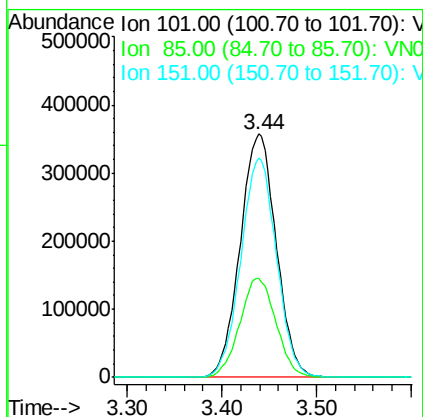
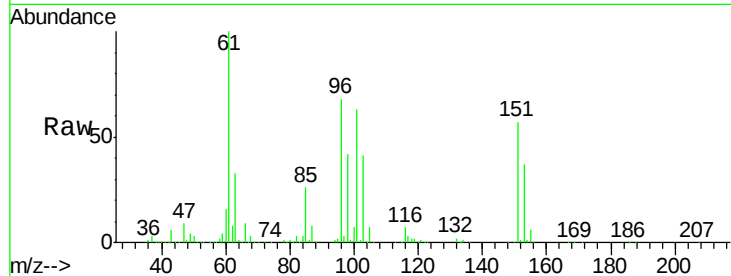
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	945969
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	84.4
151	89.3	0.0	175.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 96.714 ug/l

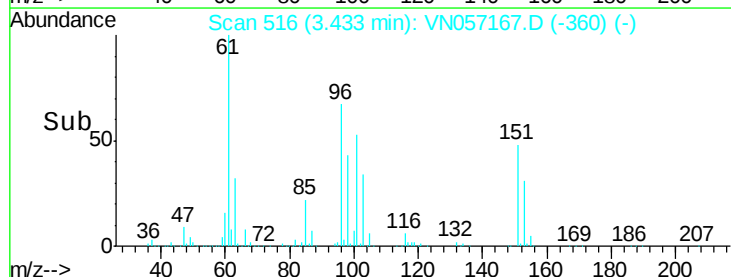
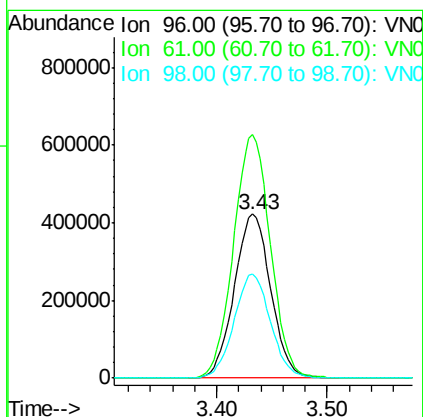
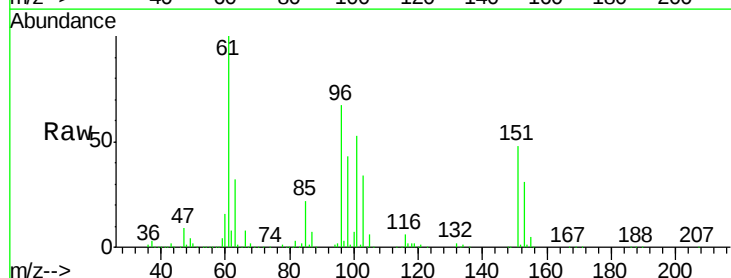
RT: 3.43 min Scan# 516

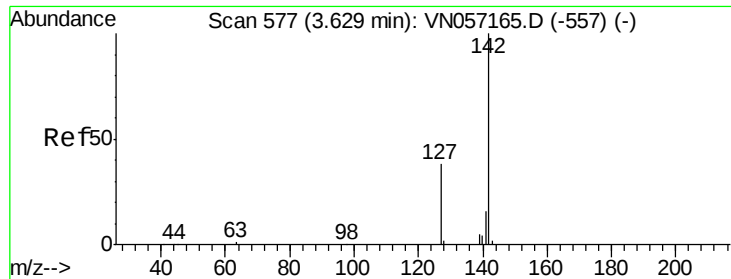
Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	96	Resp:	968263
Ion Ratio	Lower	Upper	
96	100		
61	148.7	118.2	177.2
98	63.3	49.3	73.9





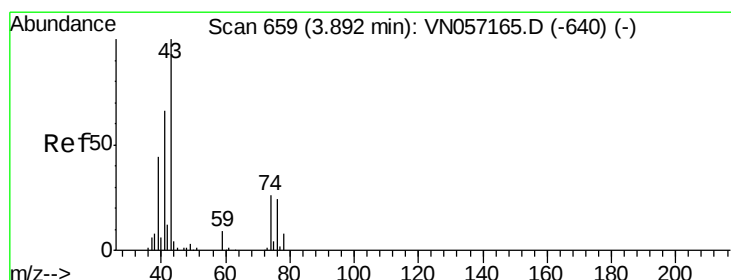
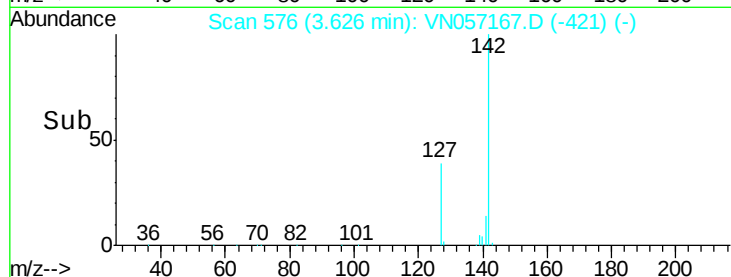
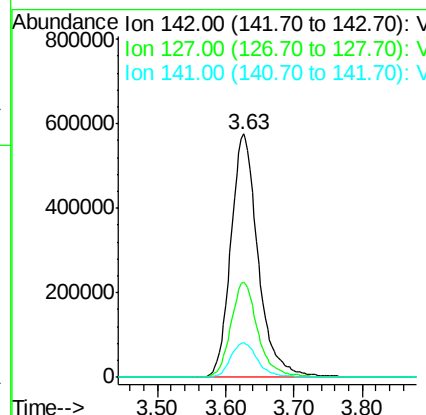
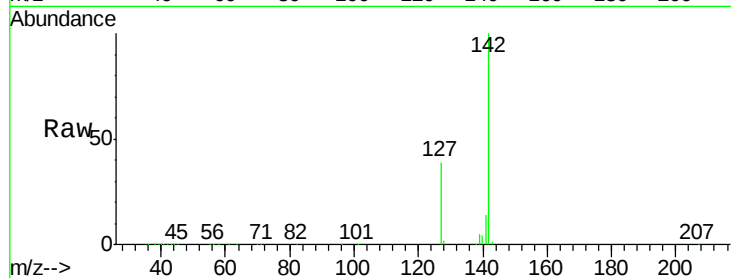
#11
Methvl Iodide
Concen: 102.374 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.0	57.0
141	14.1	7.8	23.5

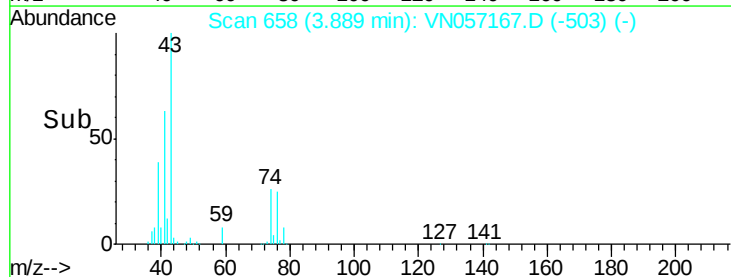
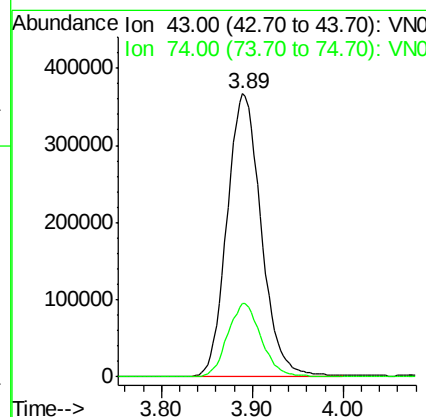
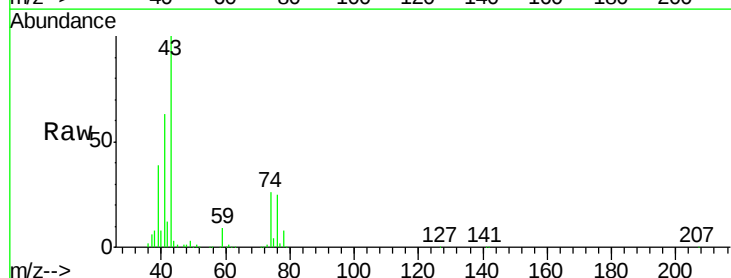
Manual Integrations
APPROVED

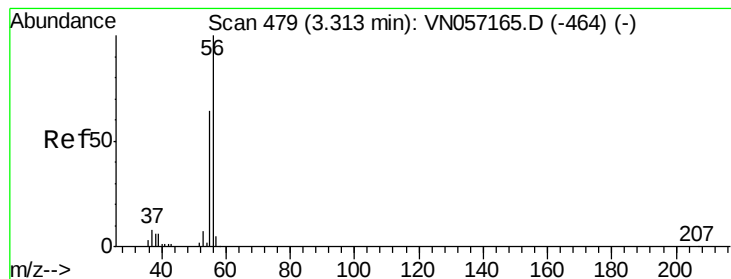
MMDadoda
8/12/2019 3:55:33 PM



#12
Methyl Acetate
Concen: 91.188 ug/l
RT: 3.89 min Scan# 658
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.5	30.7





#13

Acrolein

Concen: 483.243 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.01 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 555797

Ion Ratio Lower Upper

56 100

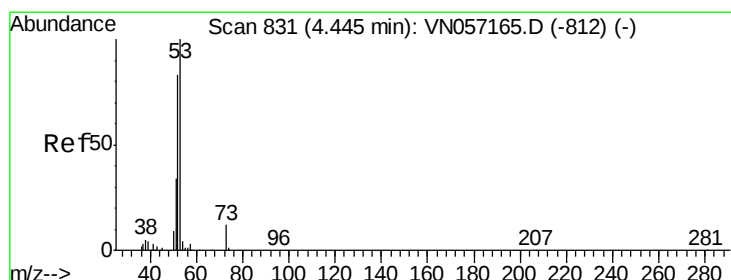
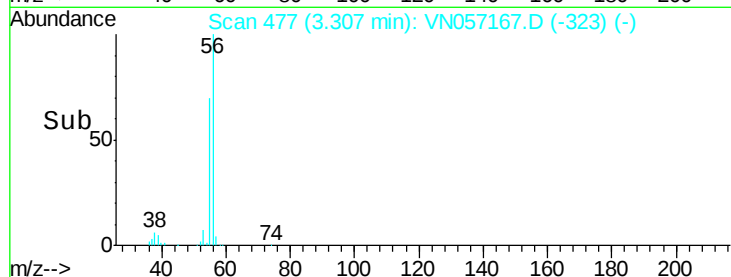
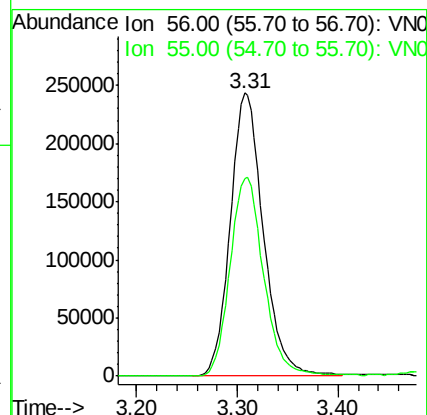
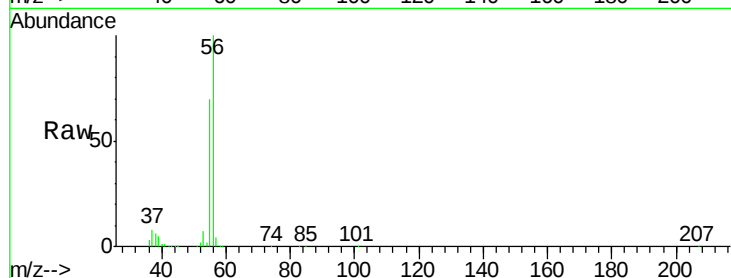
55 70.8 56.5 84.7

Manual Integrations

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#14

Acrylonitrile

Concen: 480.652 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

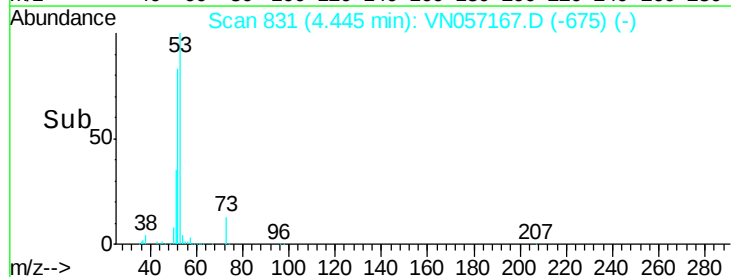
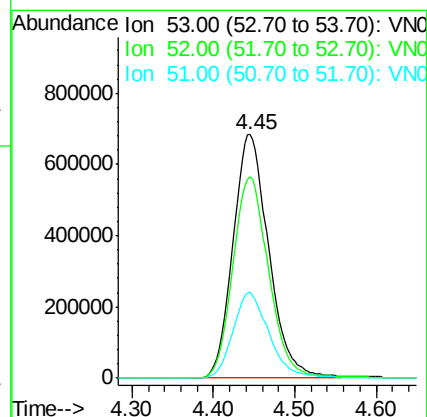
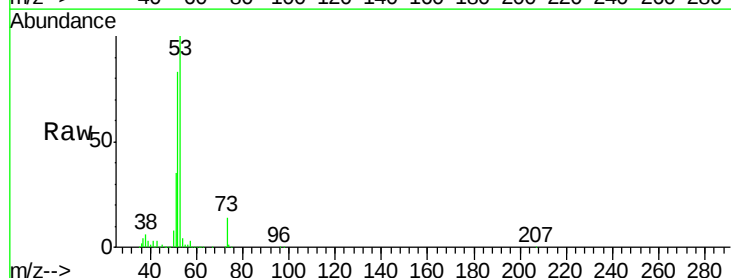
Tgt Ion: 53 Resp: 2091372

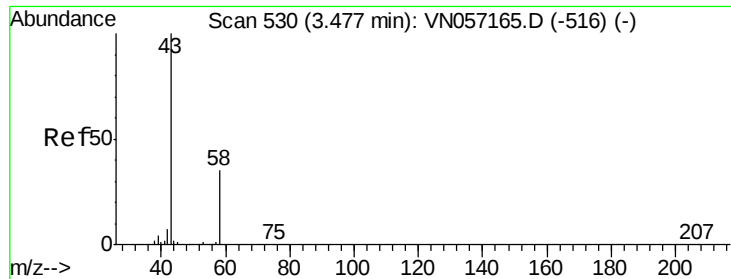
Ion Ratio Lower Upper

53 100

52 83.0 41.1 123.4

51 35.6 17.4 52.3





#15

Acetone

Concen: 458.135 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 661574

Ion Ratio Lower Upper

58 100

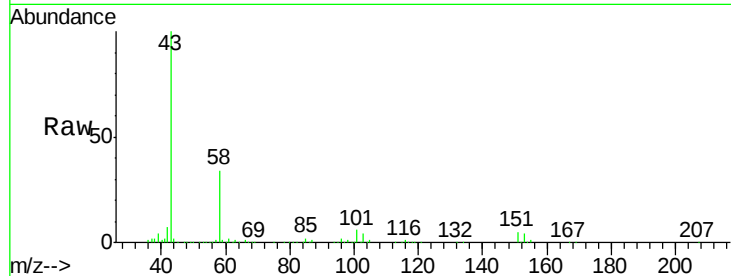
43 293.0 226.2 339.2

Manual Integrations

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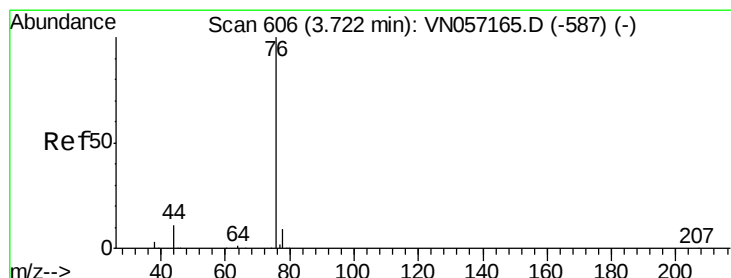
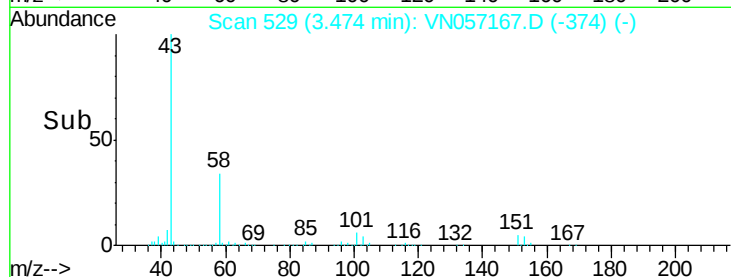
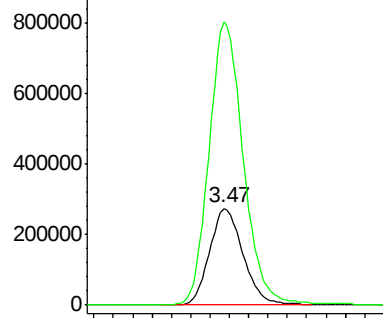
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 98.298 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057167.D

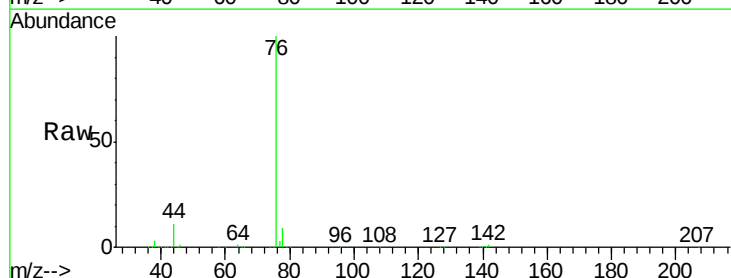
Acq: 10 Aug 2019 11:02

Tgt Ion: 76 Resp: 2654939

Ion Ratio Lower Upper

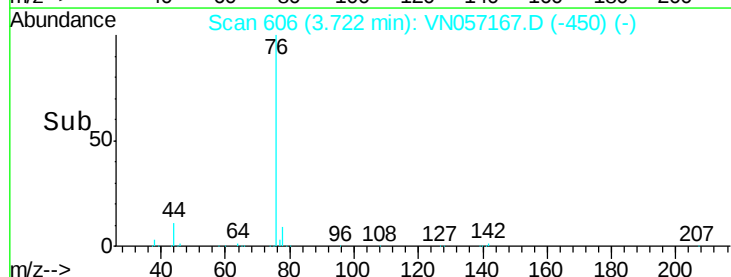
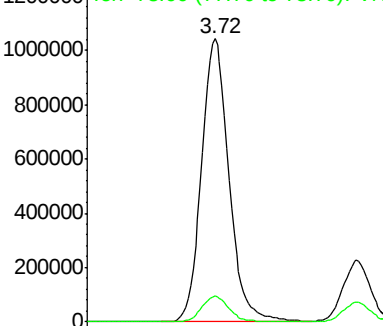
76 100

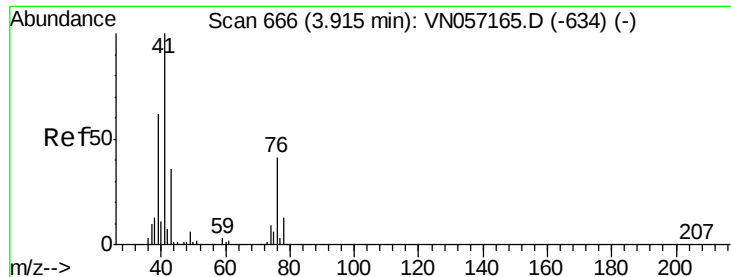
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





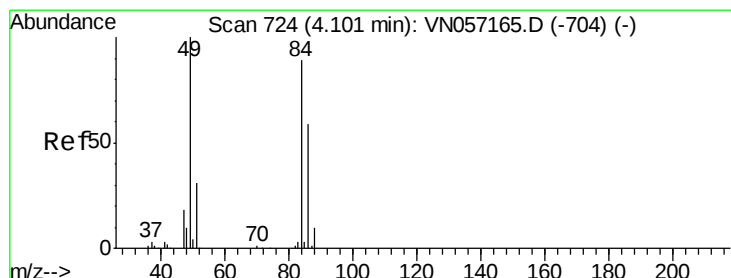
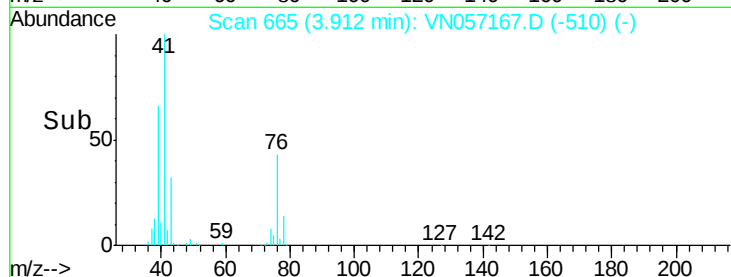
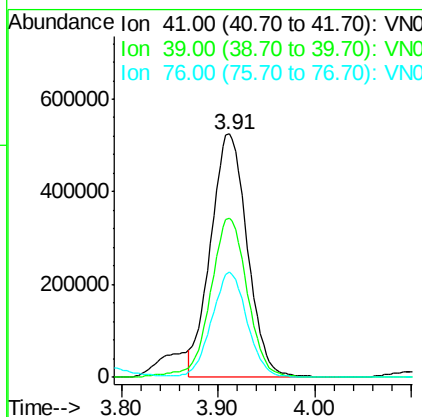
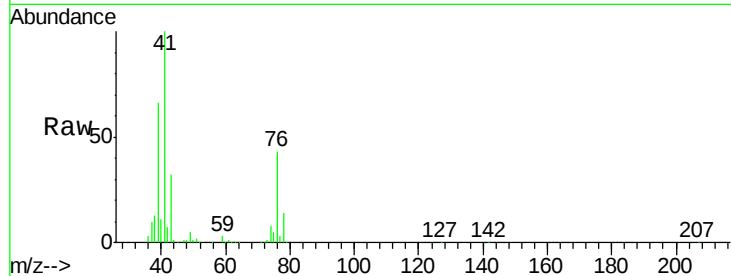
#17
Allvl chloride
Concen: 93.224 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1375939
Ion Ratio Lower Upper
41 100
39 65.6 31.2 93.6
76 43.2 20.5 61.6

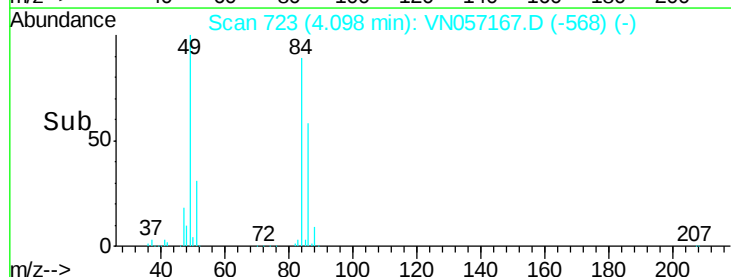
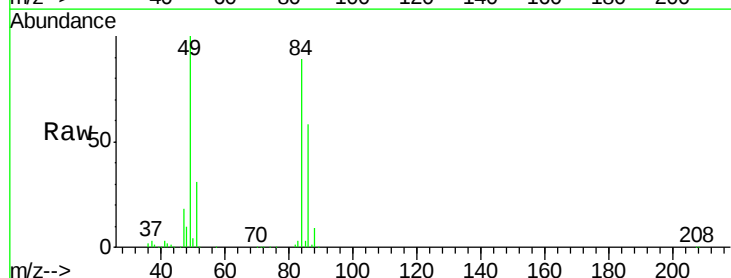
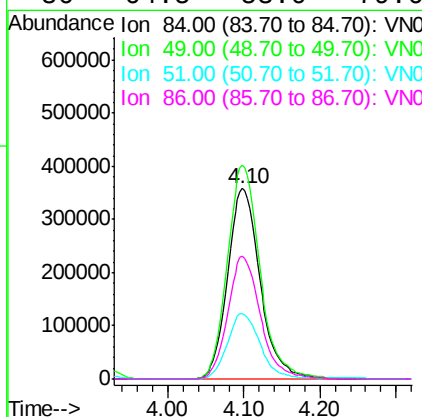
Manual Integrations
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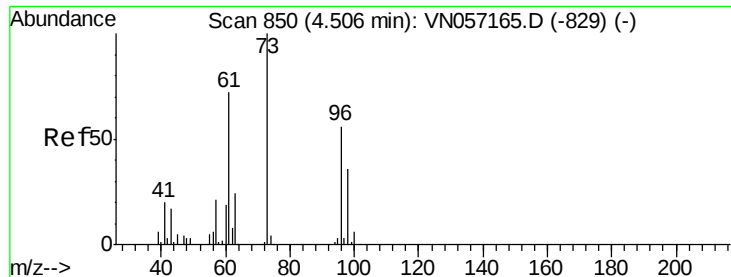
MMDadoda
8/12/2019 3:55:33 PM



#18
Methylene Chloride
Concen: 94.378 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 84 Resp: 1071210
Ion Ratio Lower Upper
84 100
49 112.2 90.1 135.1
51 34.3 27.9 41.9
86 64.5 53.0 79.6





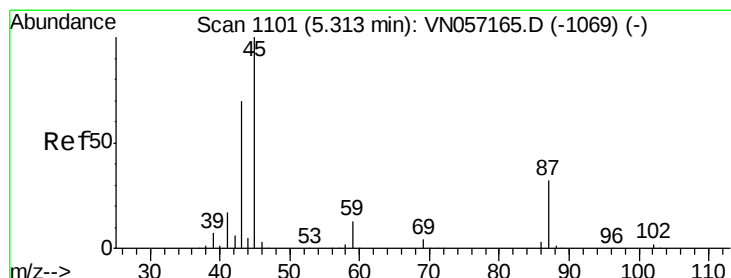
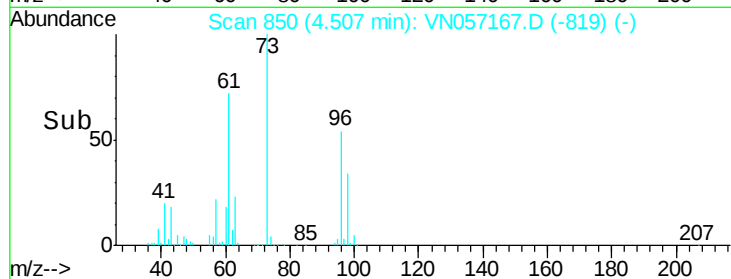
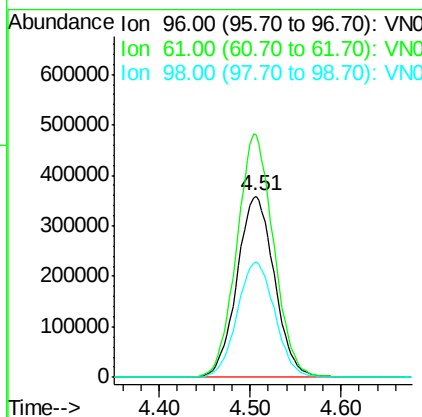
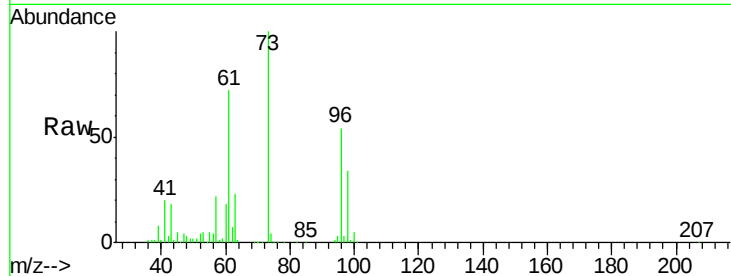
#19
trans-1,2-Dichloroethene
Concen: 95.428 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1024232
Ion Ratio Lower Upper
96 100
61 133.6 103.6 155.4
98 63.5 51.3 76.9

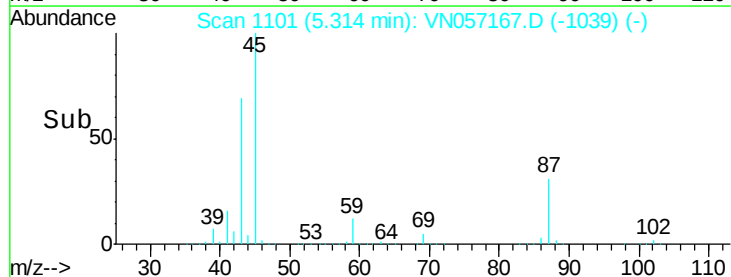
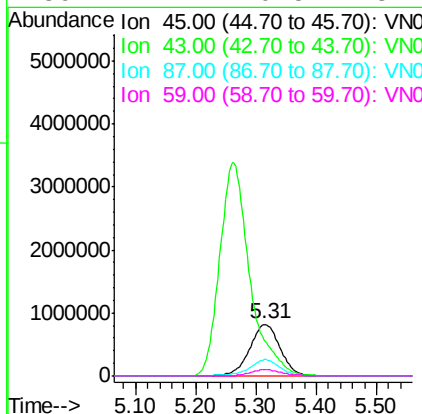
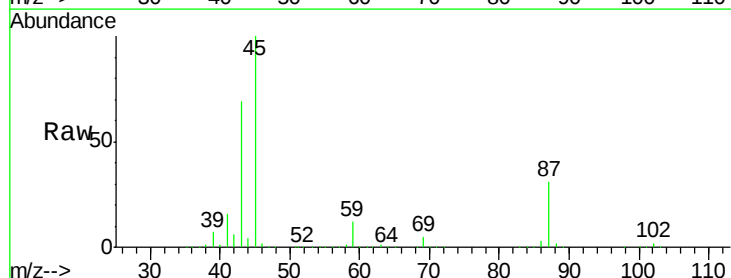
Manual Integrations
APPROVED

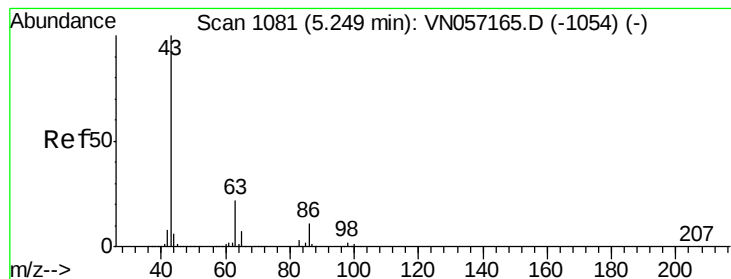
MMDadoda
8/12/2019 3:55:33 PM



#20
Diisopropyl ether
Concen: 96.074 ug/l
RT: 5.31 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 45 Resp: 2891944
Ion Ratio Lower Upper
45 100
43 68.8 60.0 90.0
87 31.0 25.9 38.9
59 12.2 10.5 15.7





#21

1,1-Dichloroethane

Concen: 95.836 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

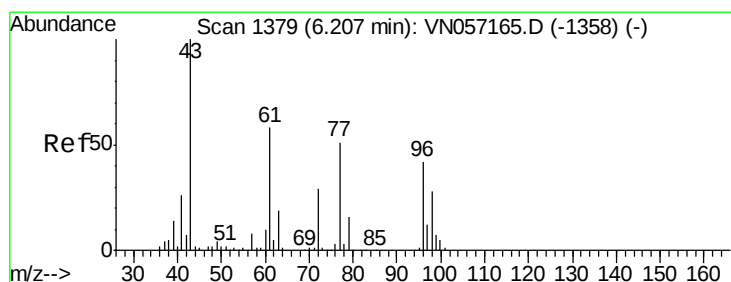
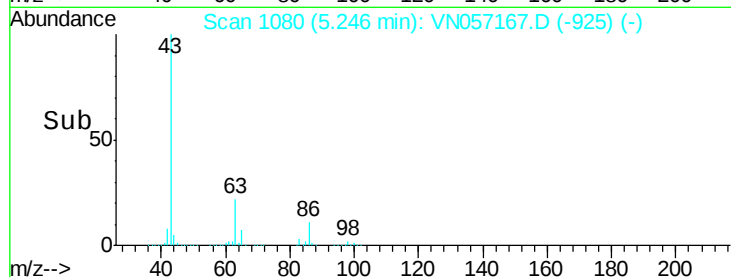
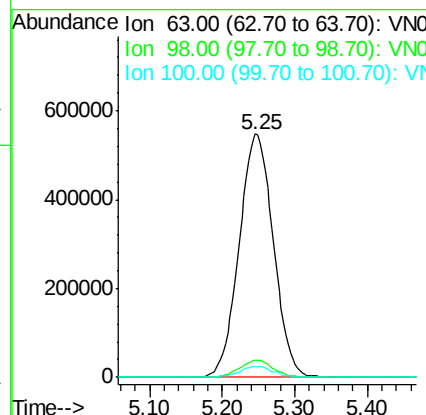
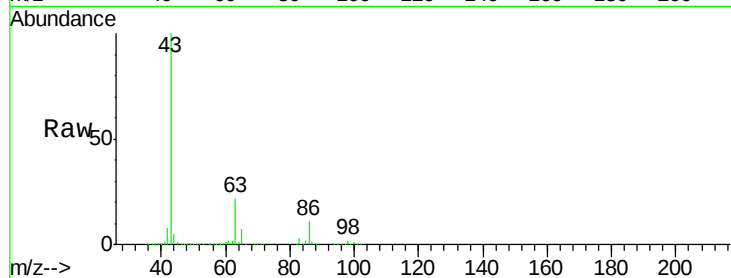
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	1796700
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.5	1.9	5.7

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 96.541 ug/l

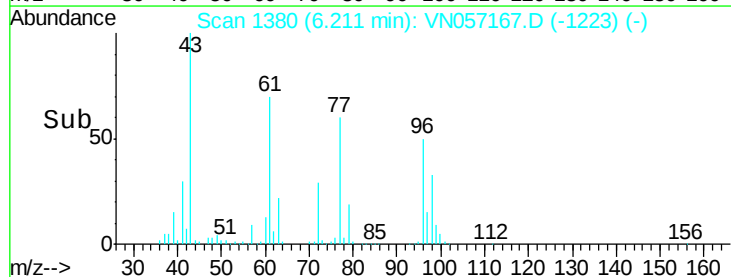
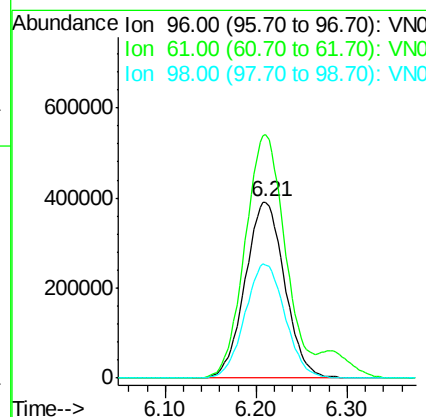
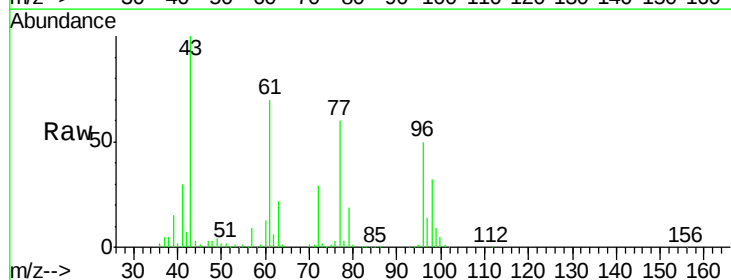
RT: 6.21 min Scan# 1380

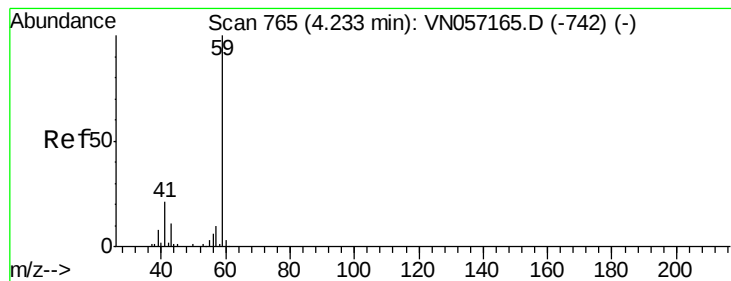
Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	96	Resp:	1179359
Ion	Ratio	Lower	Upper
96	100		
61	140.3	109.2	163.8
98	65.9	51.7	77.5





#23

tert-Butyl Alcohol

Concen: 491.639 ug/l

RT: 4.23 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 59 Resp: 705899

Ion Ratio Lower Upper

59 100

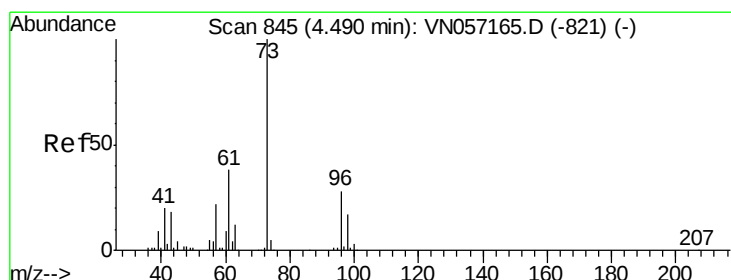
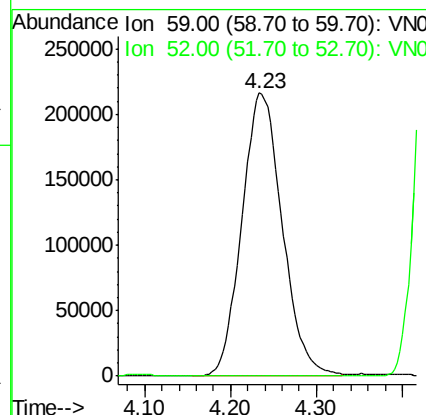
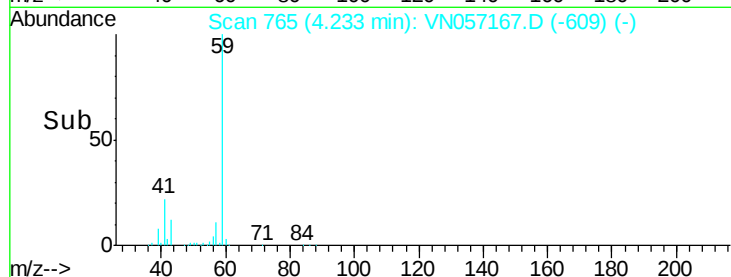
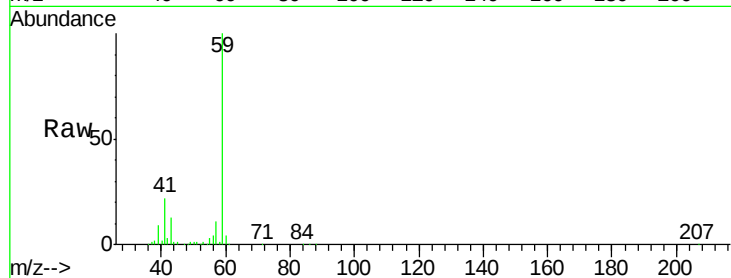
52 0.1 0.2 0.2#

Manual Integrations

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MMDadoda

8/12/2019 3:55:33 PM



#24

Methyl tert-Butyl Ether

Concen: 97.369 ug/l

RT: 4.49 min Scan# 845

Delta R.T. 0.00 min

Lab File: VN057167.D

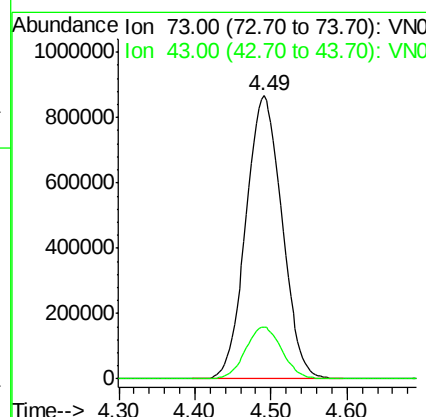
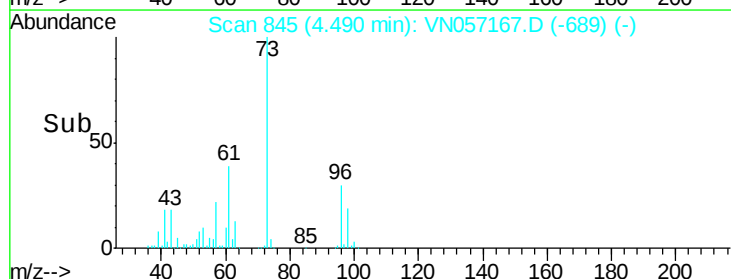
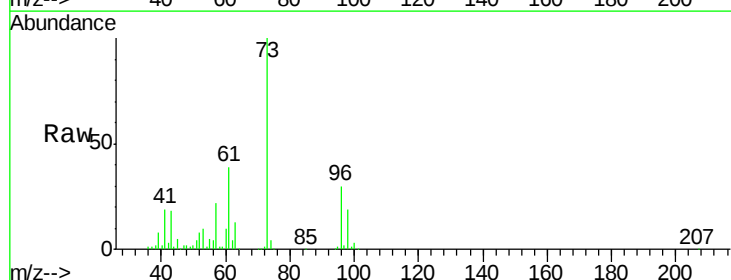
Acq: 10 Aug 2019 11:02

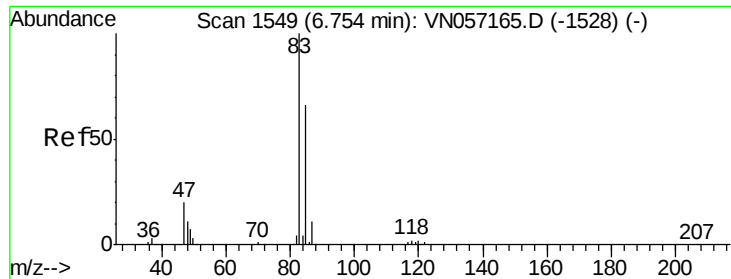
Tgt Ion: 73 Resp: 2866555

Ion Ratio Lower Upper

73 100

43 18.2 14.3 21.5





#25

Chloroform

Concen: 95.438 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1839788

Ion Ratio Lower Upper

83 100

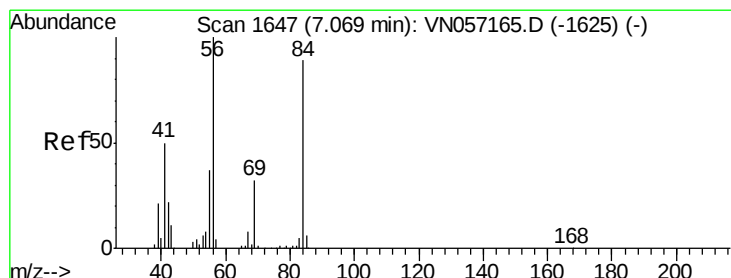
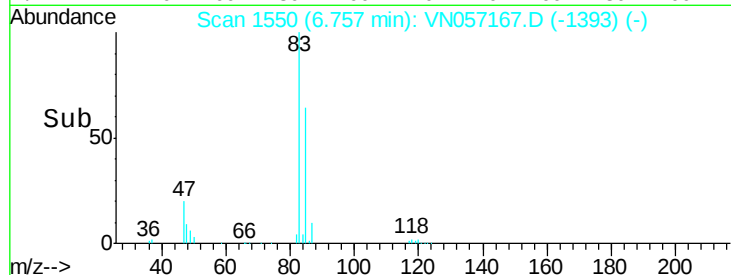
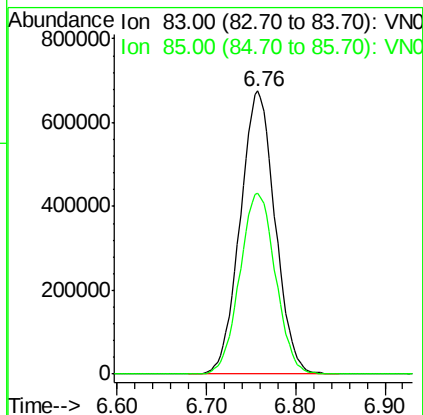
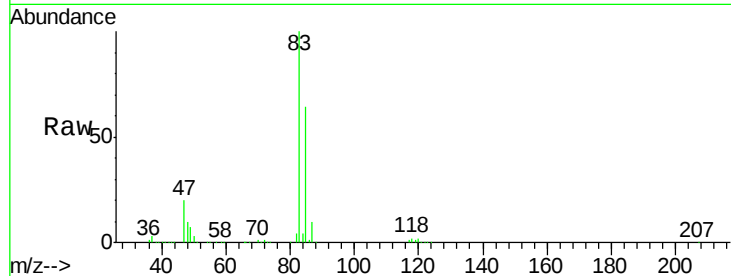
85 63.7 52.5 78.7

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#26

Cyclohexane

Concen: 97.237 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

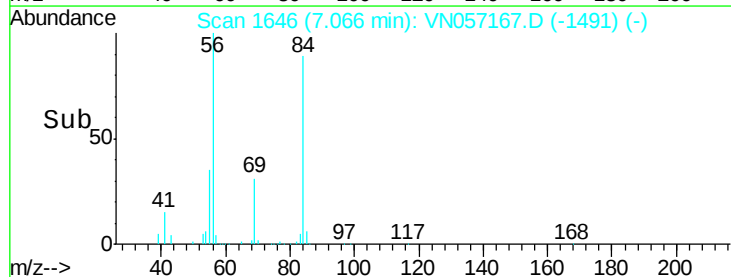
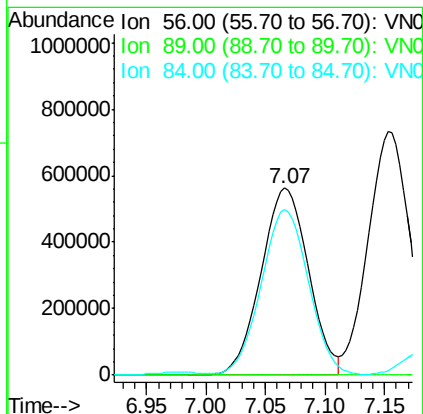
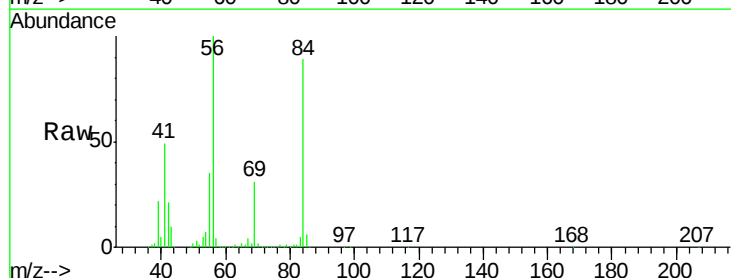
Tgt Ion: 56 Resp: 1558402

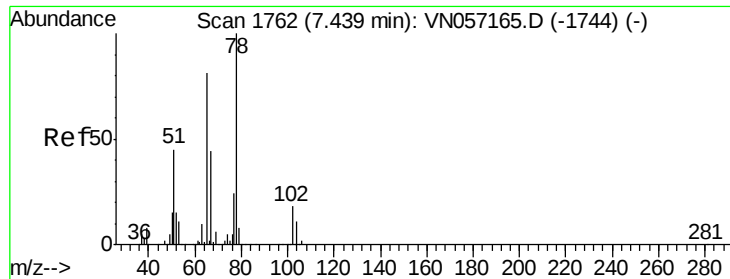
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.5 70.8 106.2





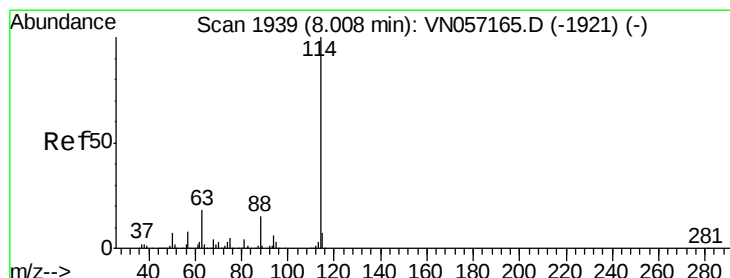
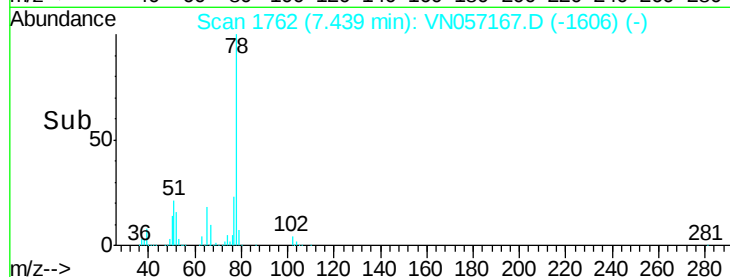
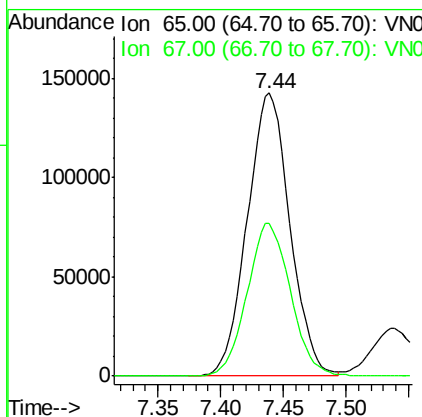
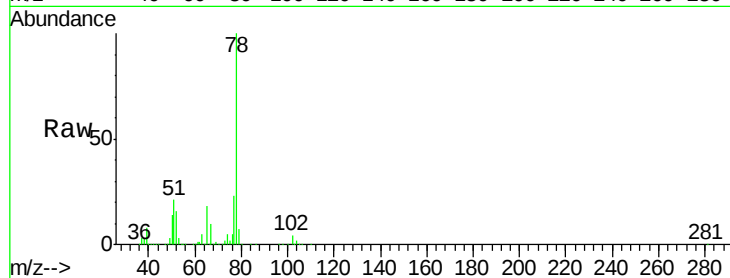
#27
 1,2-Dichloroethane-d4
 Concen: 29.670 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	42.4	63.6

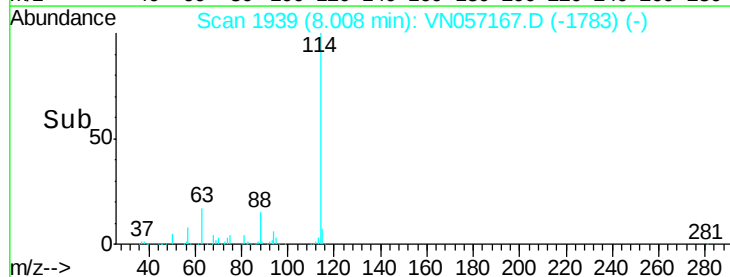
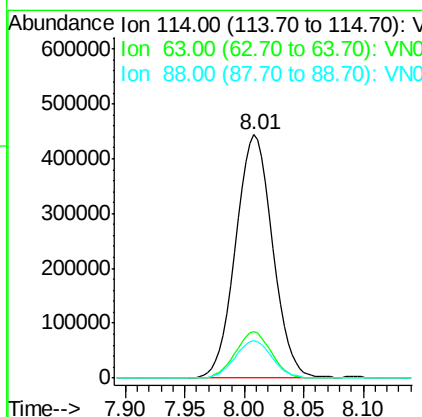
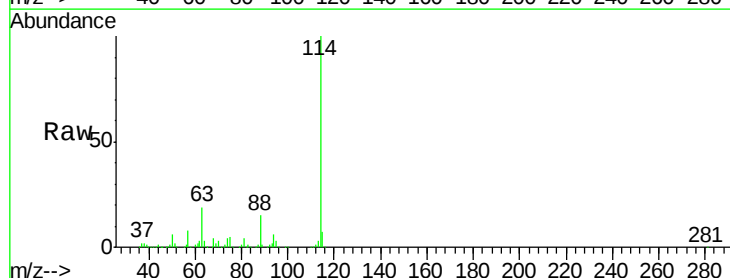
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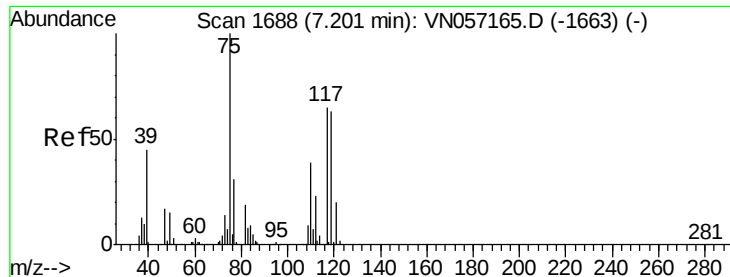
MMDadoda
 8/12/2019 3:55:33 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	14.6	21.8
88	15.4	12.2	18.2





#29

1,1-Dichloropropene

Concen: 98.097 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

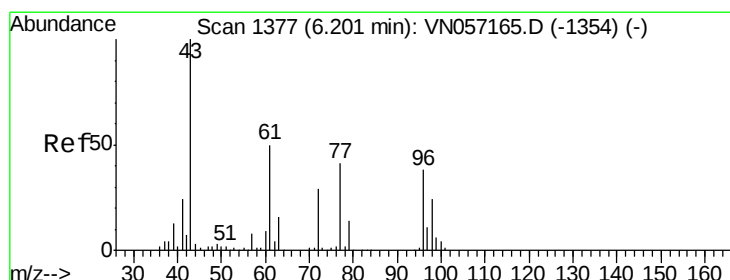
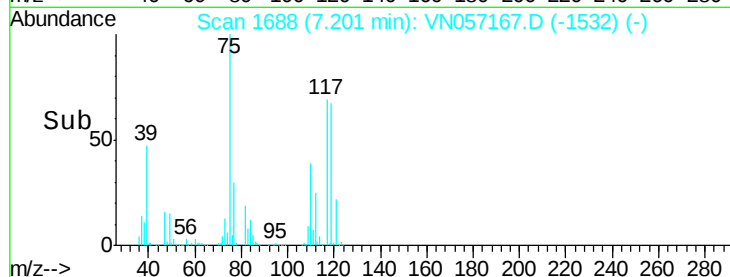
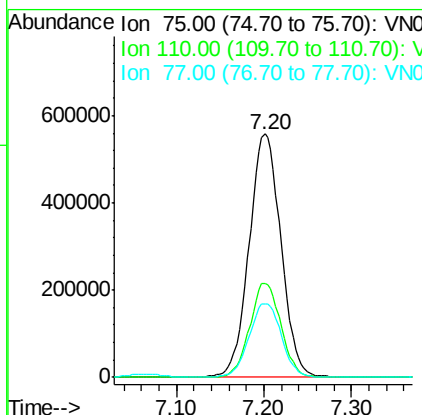
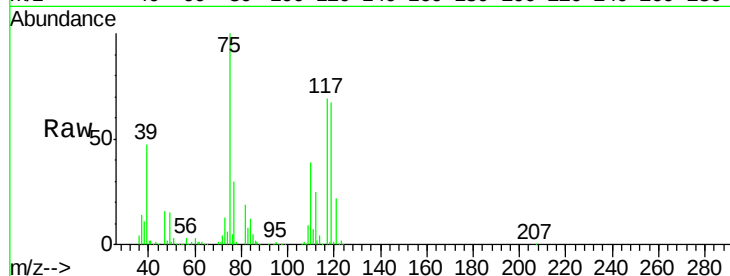
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	1412171
Ion	Ratio	Lower	Upper
75	100		
110	37.8	0.0	75.6
77	30.7	0.0	62.4

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#30

2-Butanone

Concen: 481.843 ug/l

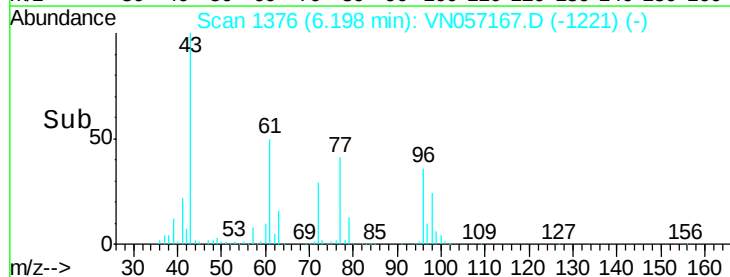
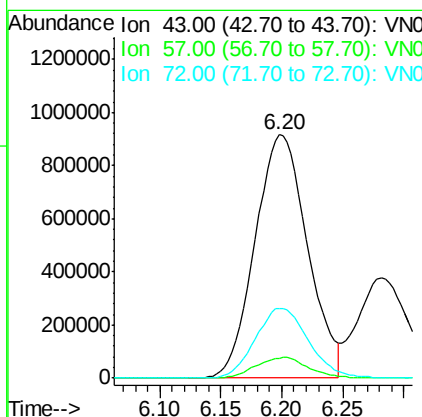
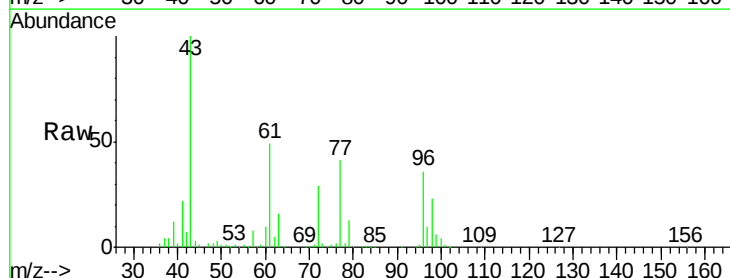
RT: 6.20 min Scan# 1376

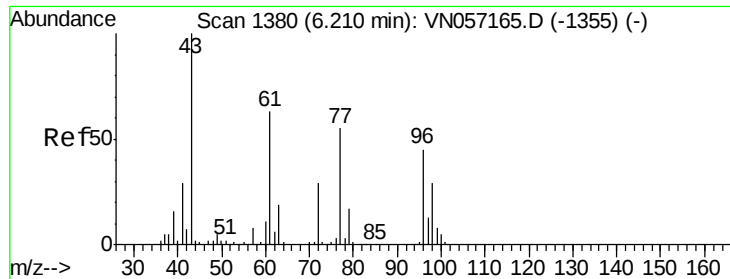
Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	43	Resp:	2730851
Ion	Ratio	Lower	Upper
43	100		
57	8.7	6.8	10.2
72	29.2	23.0	34.6





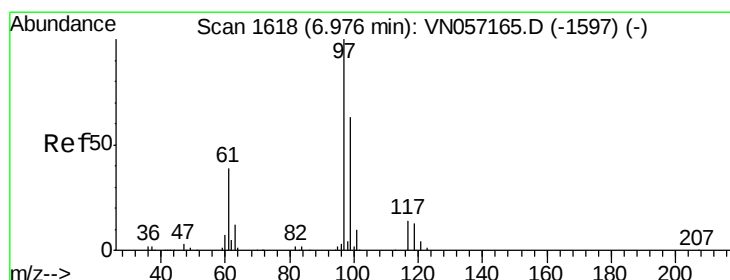
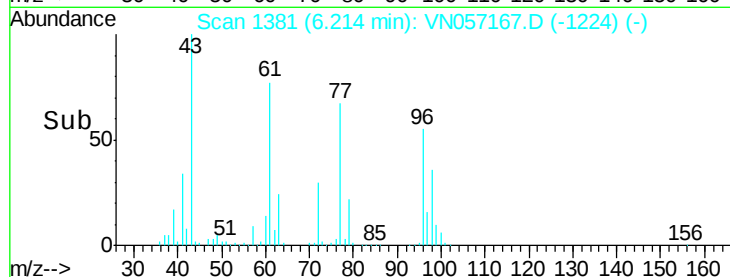
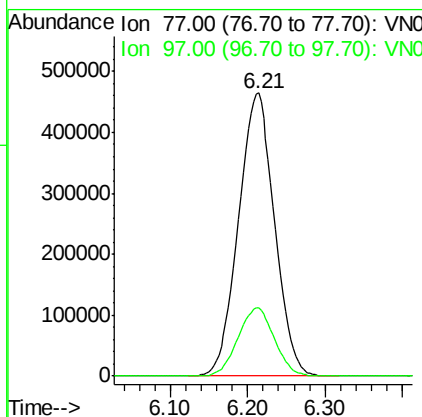
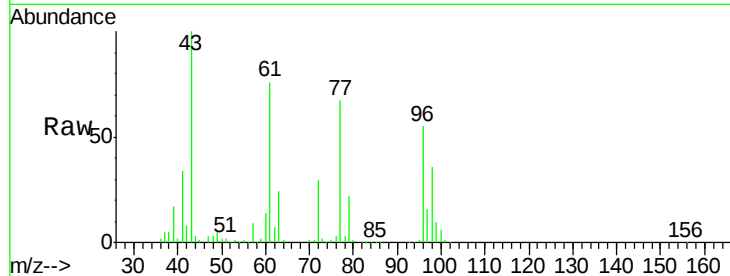
#31
 2,2-Dichloropropane
 Concen: 97.777 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 1504897
 Ion Ratio Lower Upper
 77 100
 97 24.3 19.4 29.2

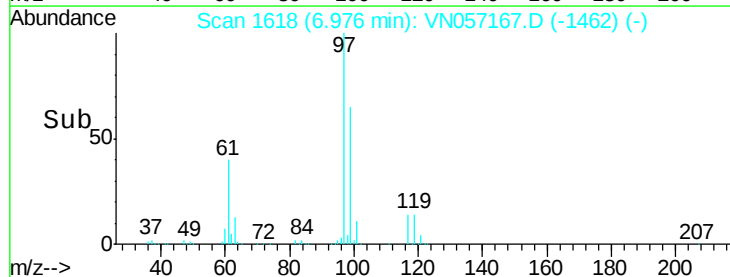
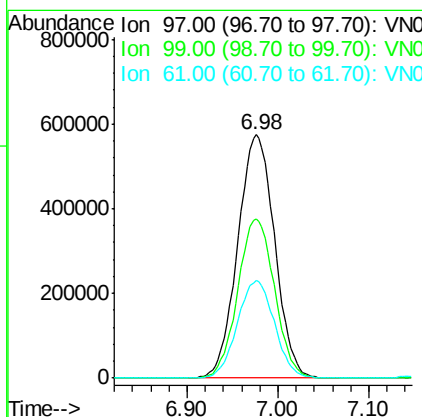
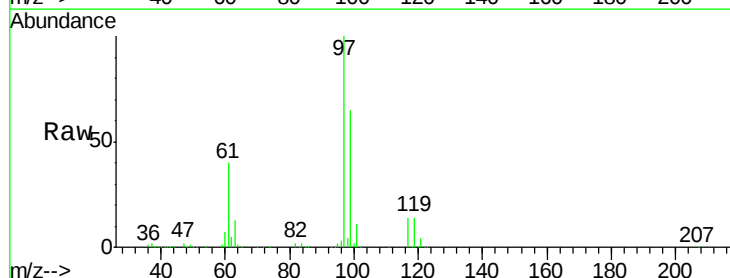
Manual Integrations
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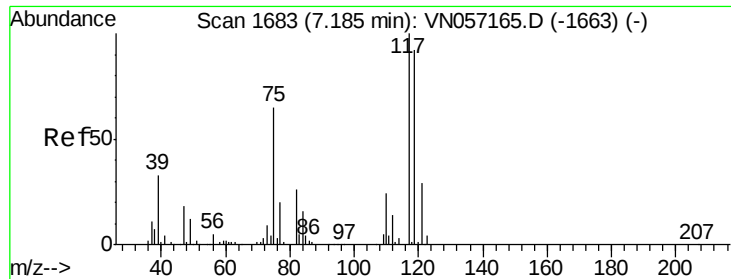
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 8/12/2019 3:55:33 PM



#32
 1,1,1-Trichloroethane
 Concen: 97.238 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion: 97 Resp: 1621079
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.4 78.6
 61 40.2 32.3 48.5





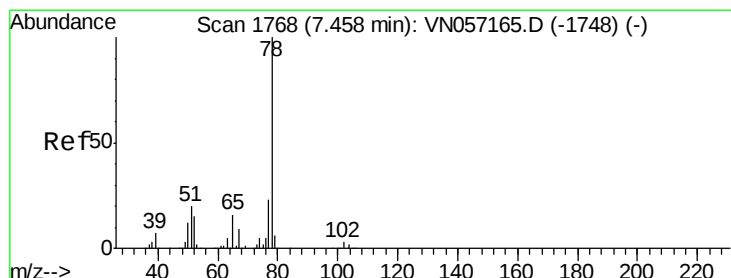
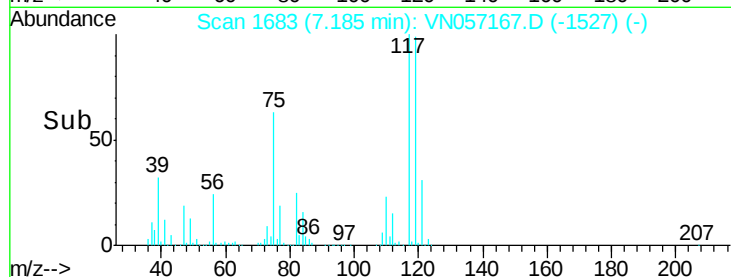
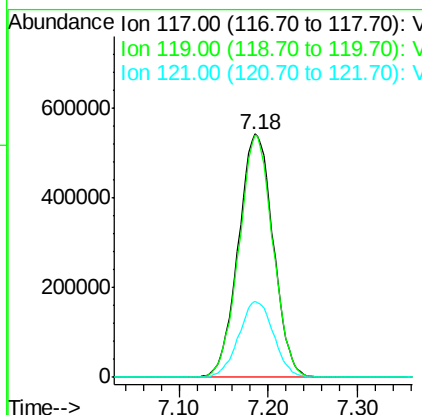
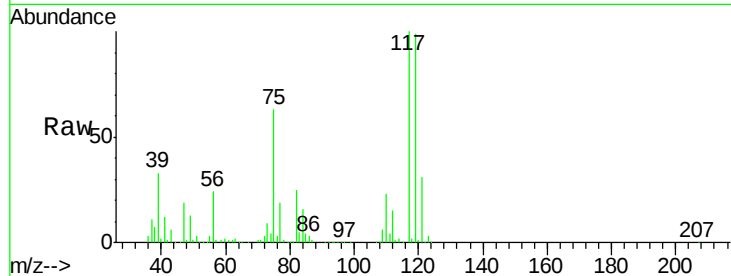
#33
Carbon Tetrachloride
Concen: 98.782 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.9	110.9
121	31.1	23.4	35.2

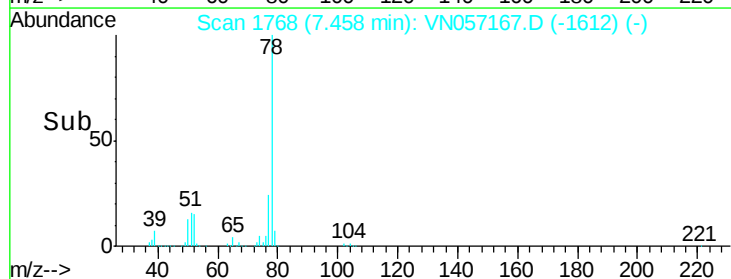
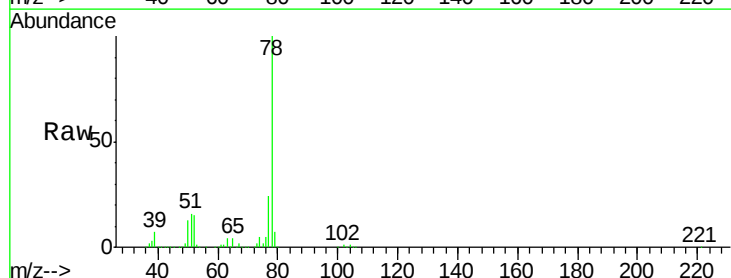
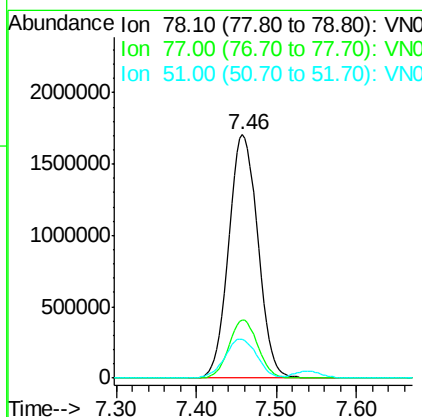
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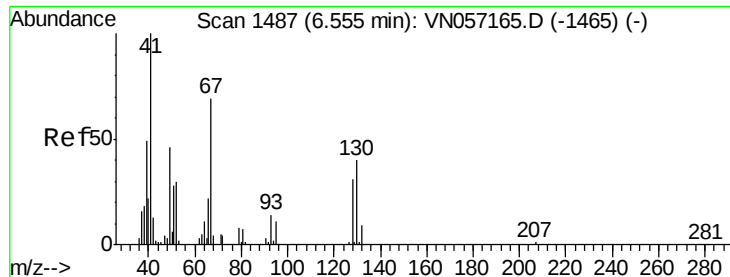
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#34
Benzene
Concen: 96.209 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5
51	16.0	16.2	24.2





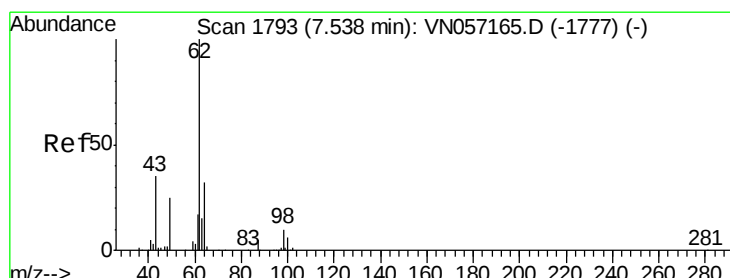
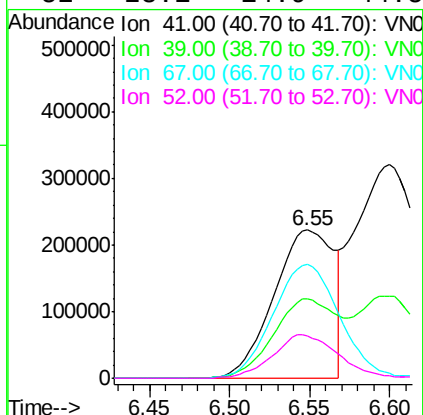
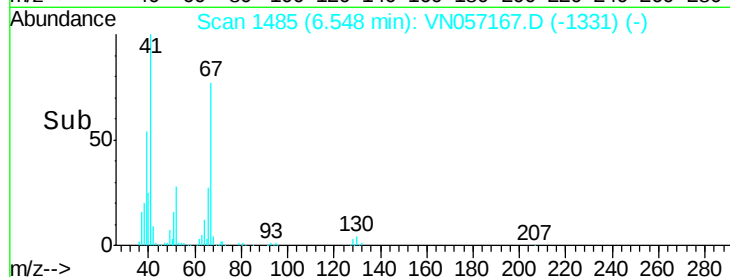
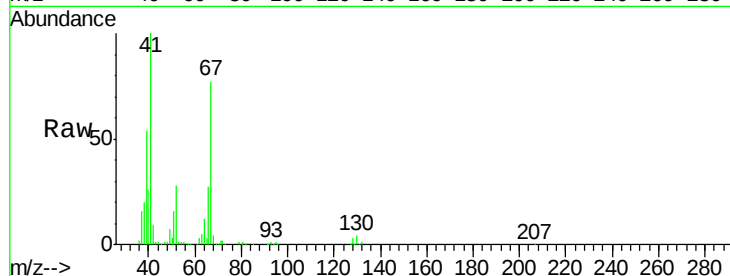
#35
Methacrylonitrile
Concen: 101.322 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	24.6	74.0
67	77.2	34.4	103.2
52	28.1	14.9	44.5

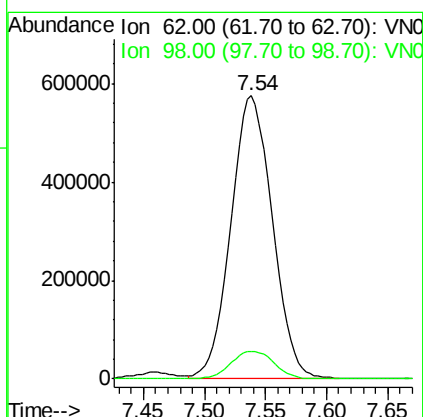
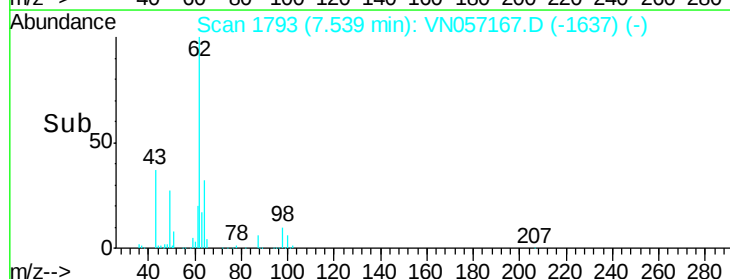
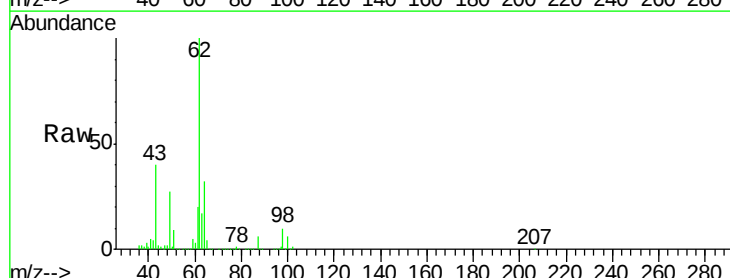
Manual Integrations
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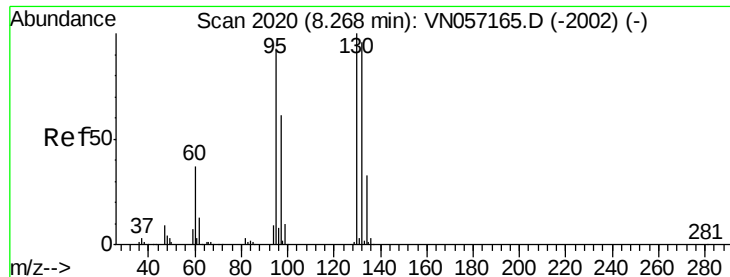
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#36
1,2-Dichloroethane
Concen: 96.225 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.2	12.4





#37

Trichloroethene

Concen: 95.954 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 1198184

Ion Ratio Lower Upper

130 100

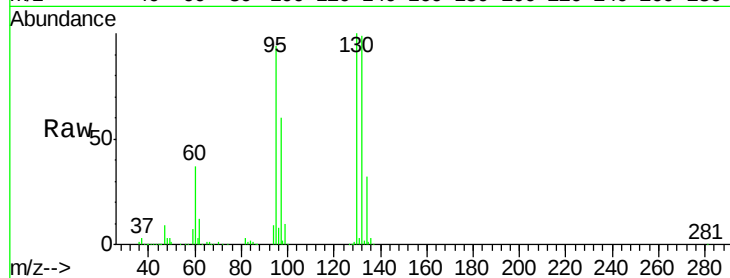
95 93.8 74.6 112.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.27

600000

500000

400000

300000

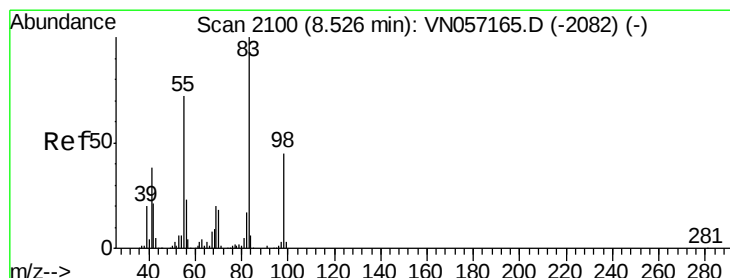
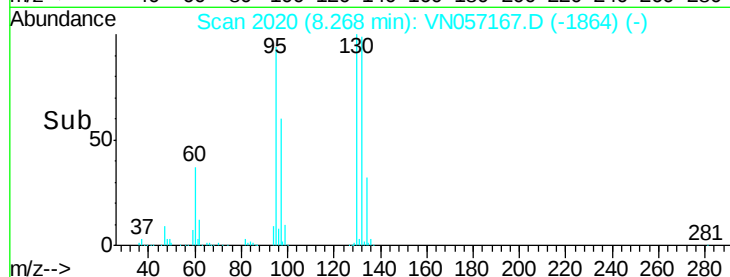
200000

100000

0

8.20 8.25 8.30 8.35

Time-->



#38

Methylcyclohexane

Concen: 99.414 ug/l

RT: 8.52 min Scan# 2099

Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

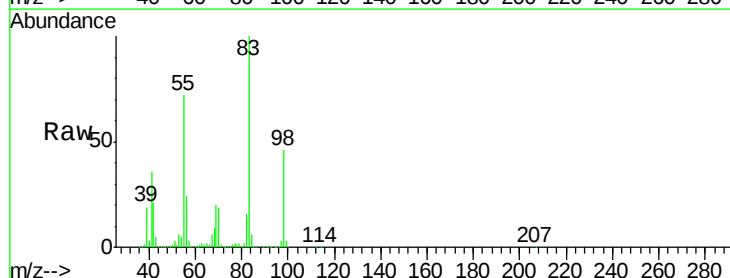
Tgt Ion: 83 Resp: 1707780

Ion Ratio Lower Upper

83 100

55 71.9 36.5 109.7

98 46.3 23.4 70.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

8.52

1000000

800000

600000

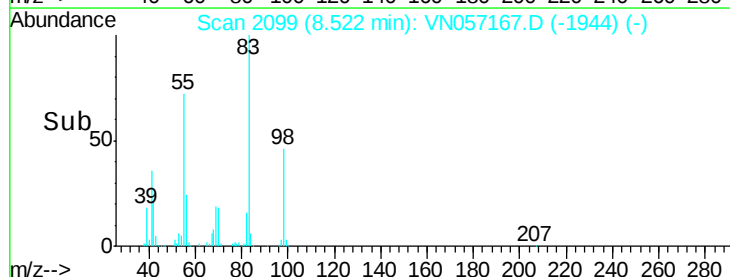
400000

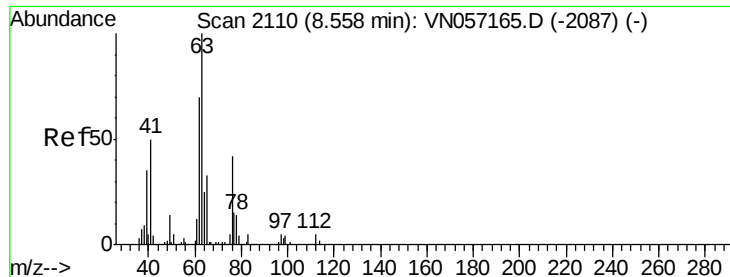
200000

0

8.40 8.50 8.60

Time-->





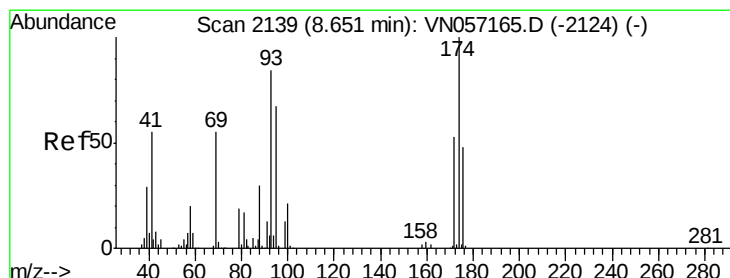
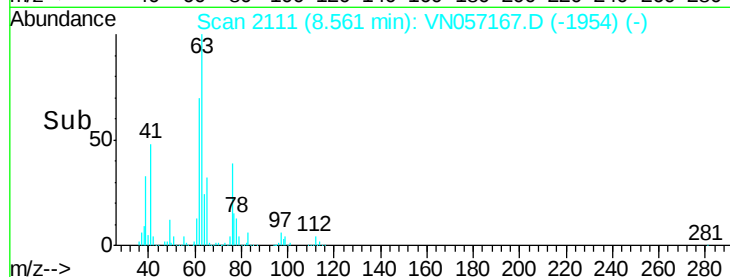
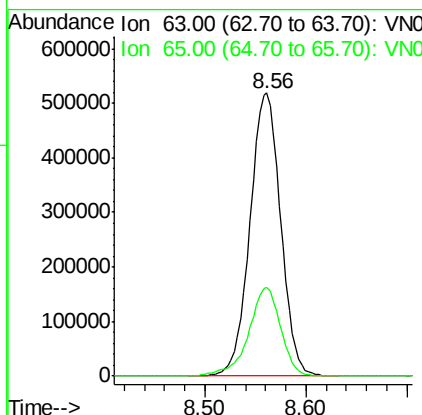
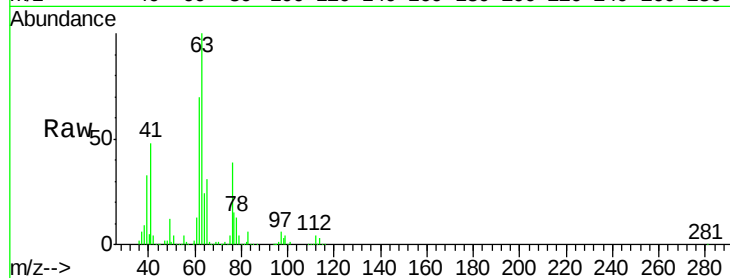
#39
 1,2-Dichloropropane
 Concen: 56.142 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1091658
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.2 39.4

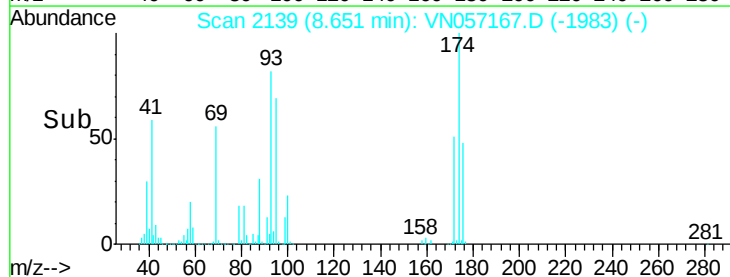
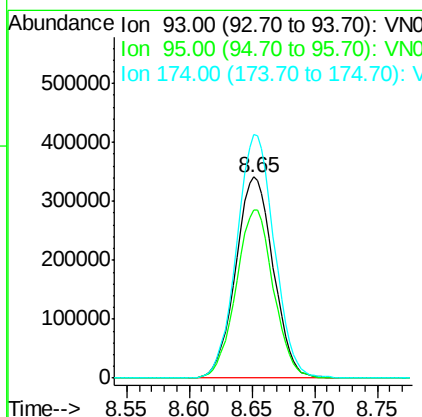
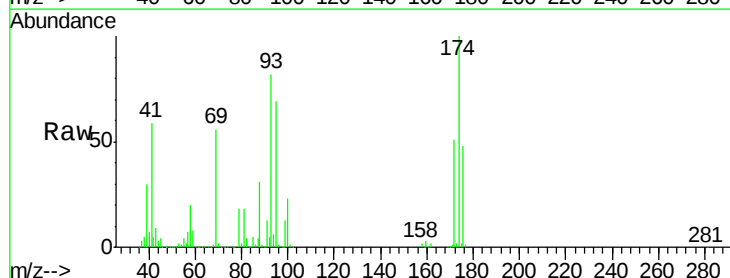
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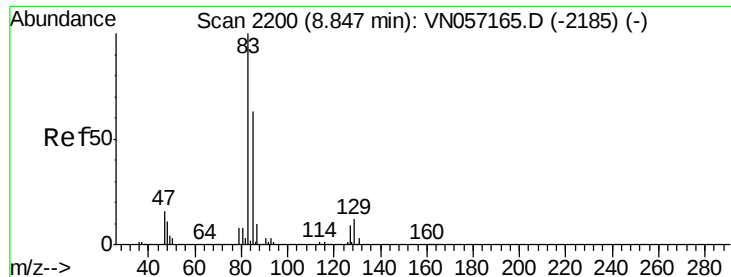
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 8/12/2019 3:55:33 PM



#40
 Dibromomethane
 Concen: 97.790 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion: 93 Resp: 713074
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 165.0
 174 120.8 0.0 245.4





#41

Bromodichloromethane

Concen: 99.851 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1447764

Ion Ratio Lower Upper

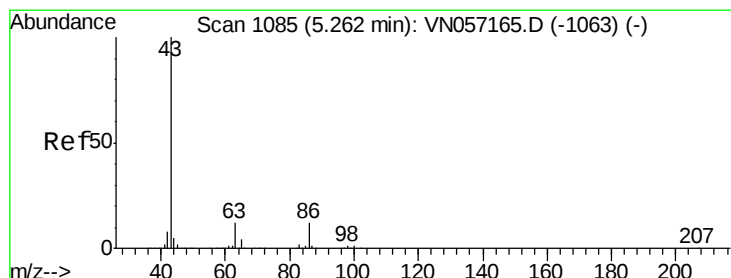
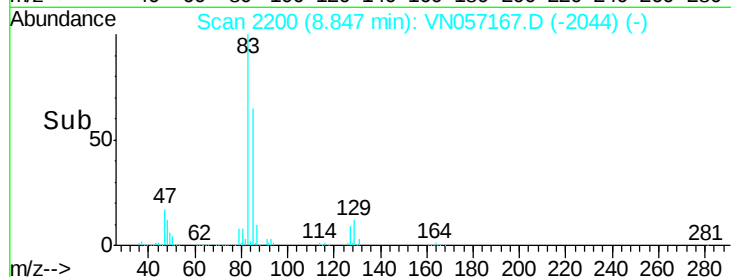
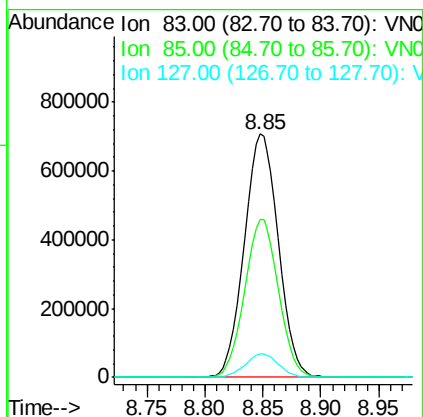
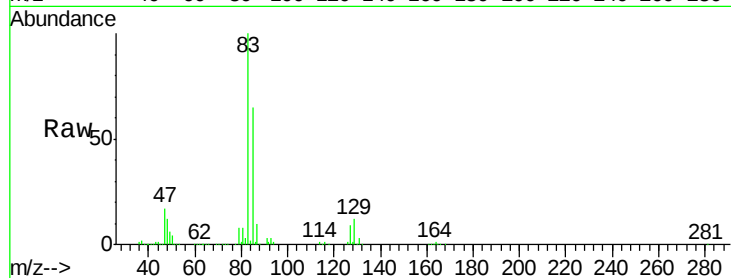
83 100

85 64.8 50.6 76.0

127 9.4 7.0 10.6

Manual Integrations
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#42

Vinyl Acetate

Concen: 498.044 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VN057167.D

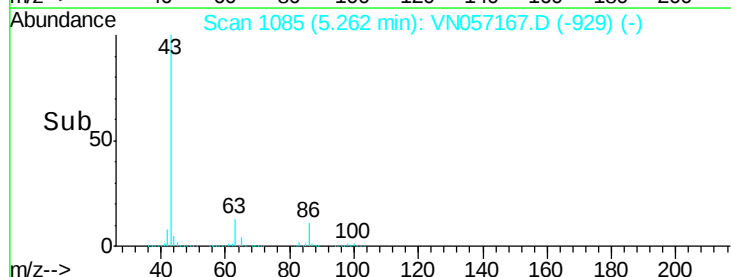
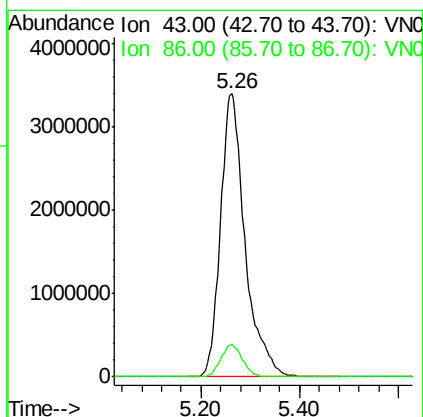
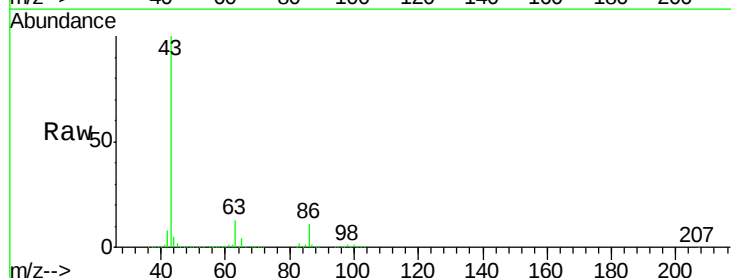
Acq: 10 Aug 2019 11:02

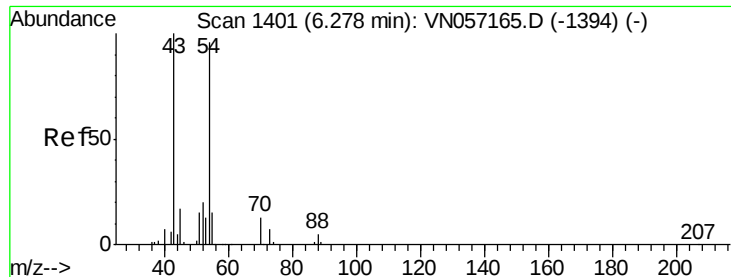
Tgt Ion: 43 Resp: 11734511

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0





#43

Ethyl Acetate

Concen: 105.088 ug/l

RT: 6.28 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1098455

Ion Ratio Lower Upper

43 100

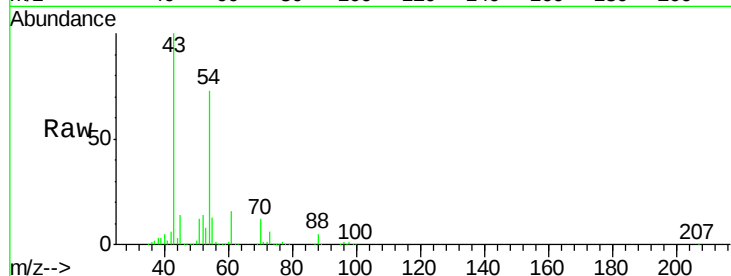
45 12.5 10.1 15.1

Manual Integrations

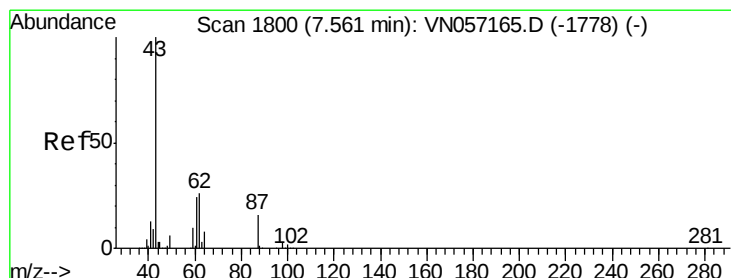
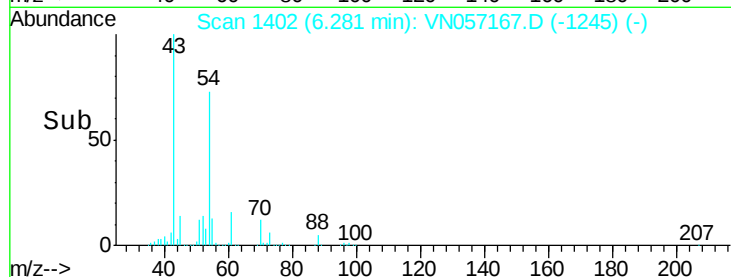
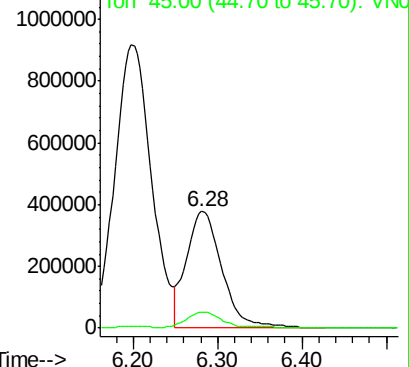
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Abundance Ion 43.00 (42.70 to 43.70): VN057167.D (-1245) (-)



#44

Isopropyl Acetate

Concen: 98.792 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057167.D

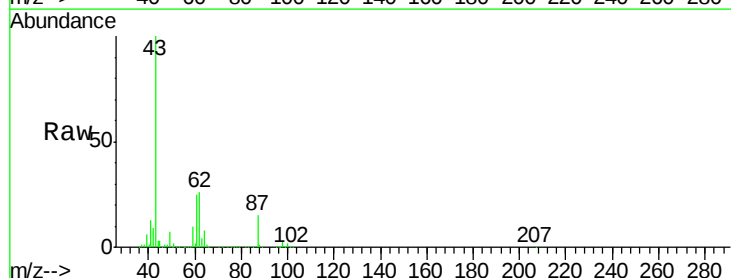
Acq: 10 Aug 2019 11:02

Tgt Ion: 43 Resp: 1874930

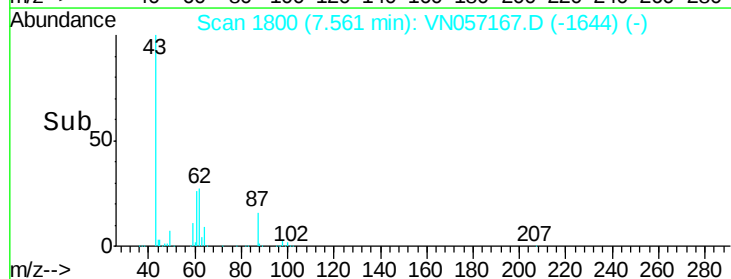
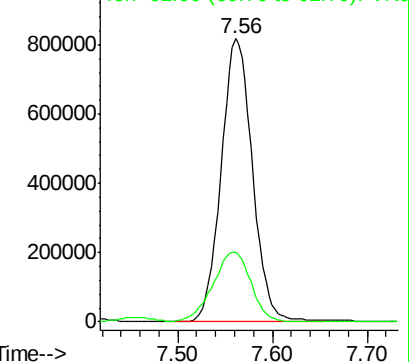
Ion Ratio Lower Upper

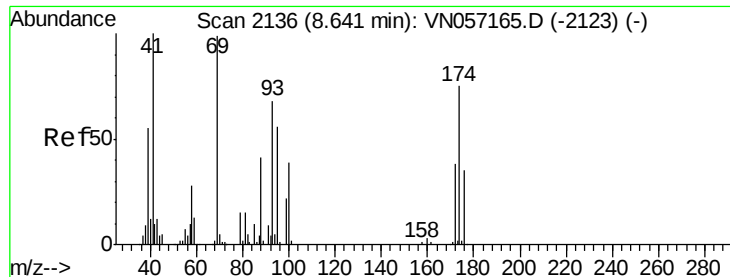
43 100

61 29.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VN057167.D (-1644) (-)





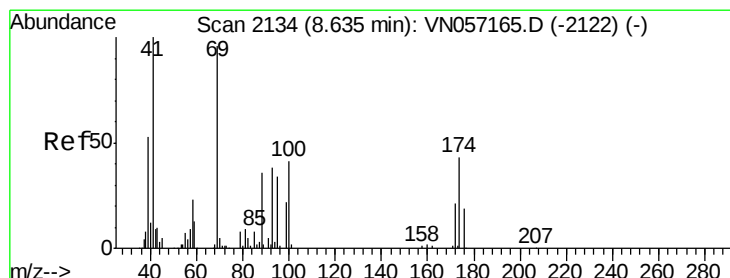
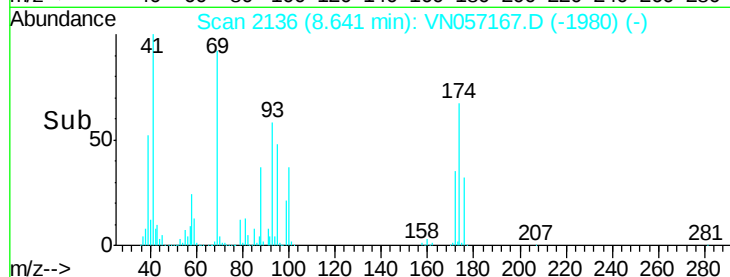
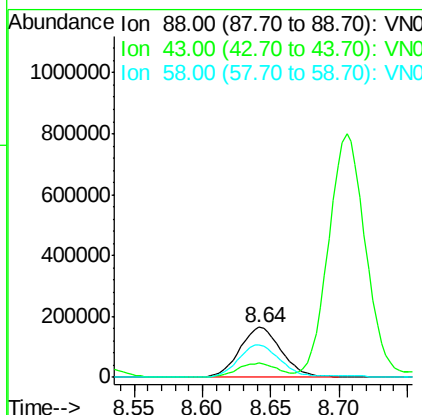
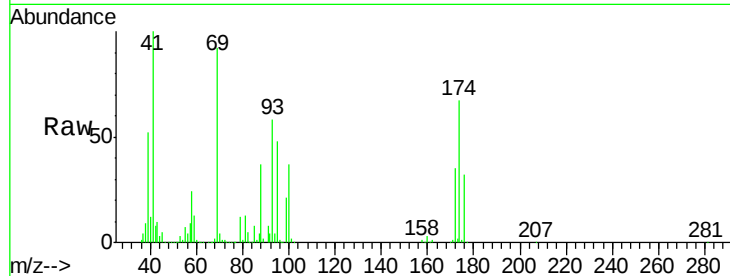
#45
 1,4-Dioxane
 Concen: 1962.404 ug/l
 RT: 8.64 min Scan# 2136
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	20.5	30.7
58	65.8	53.8	80.8

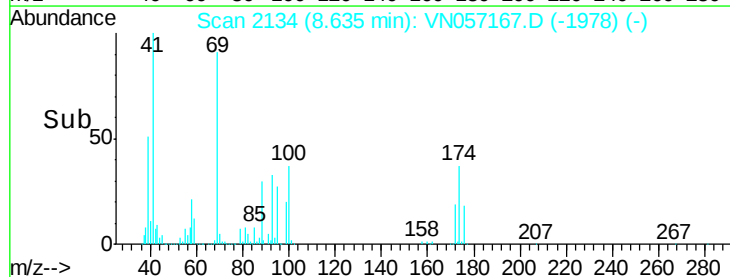
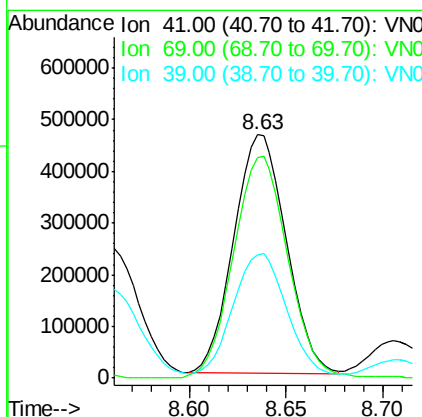
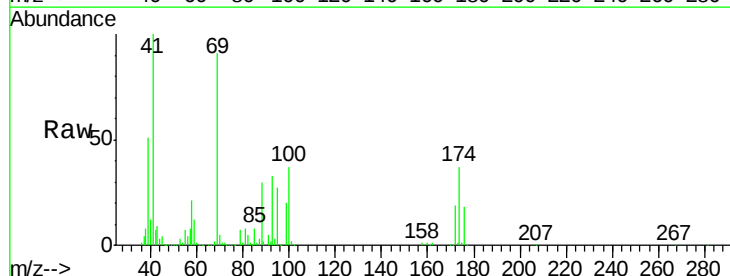
Manual Integrations
 APPROVED

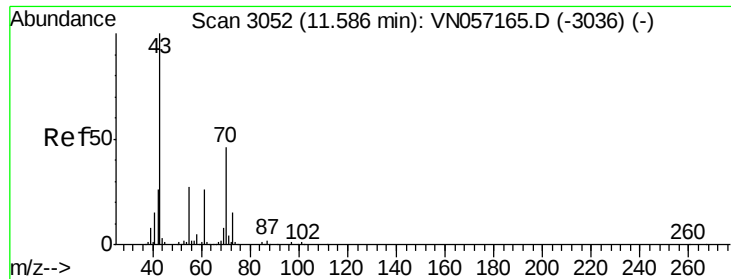
MMDadoda
 8/12/2019 3:55:33 PM



#46
 Methyl methacrylate
 Concen: 100.855 ug/l
 RT: 8.63 min Scan# 2134
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.0	48.1	144.4
39	50.4	26.5	79.5





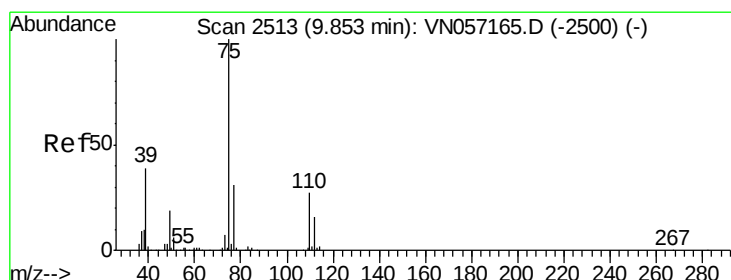
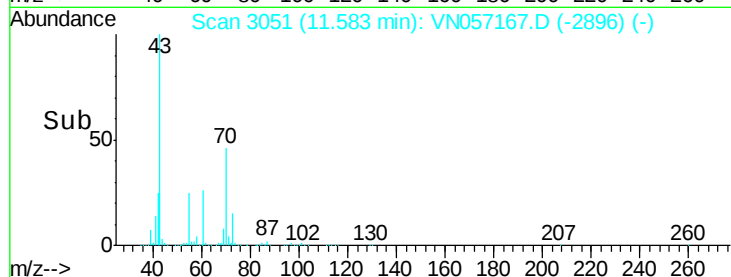
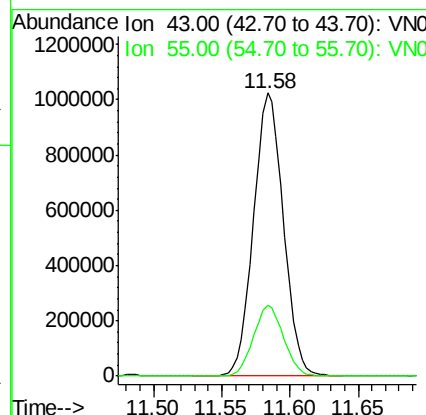
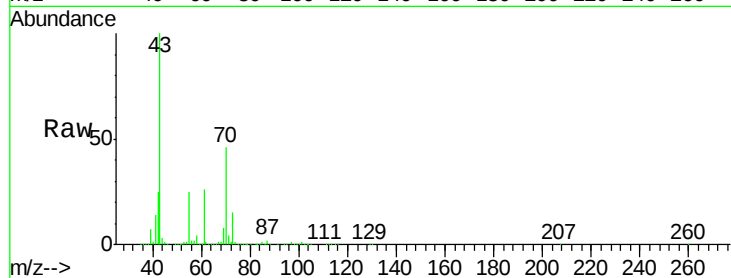
#47
n-amvl Acetate
Concen: 111.451 ug/l
RT: 11.58 min Scan# 3051
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1556163
Ion Ratio Lower Upper
43 100
55 25.5 20.7 31.1

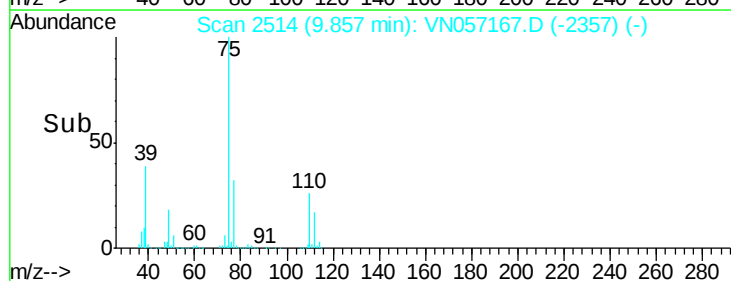
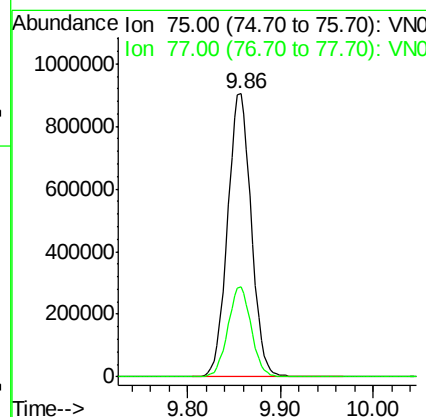
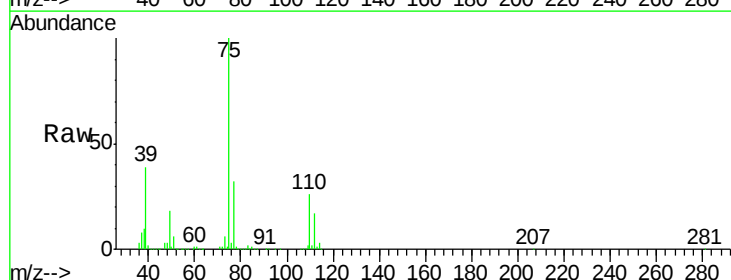
Manual Integrations
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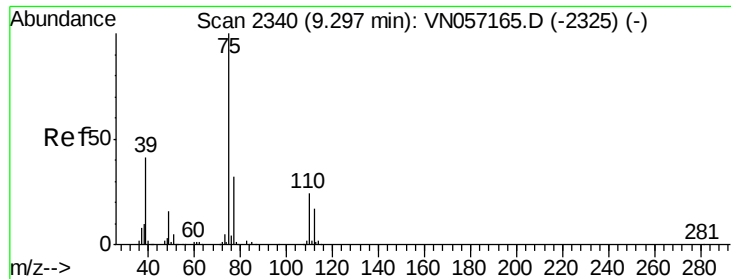
MMDadoda
8/12/2019 3:55:33 PM



#48
t-1,3-Dichloropropene
Concen: 103.080 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 75 Resp: 1593692
Ion Ratio Lower Upper
75 100
77 31.9 24.9 37.3





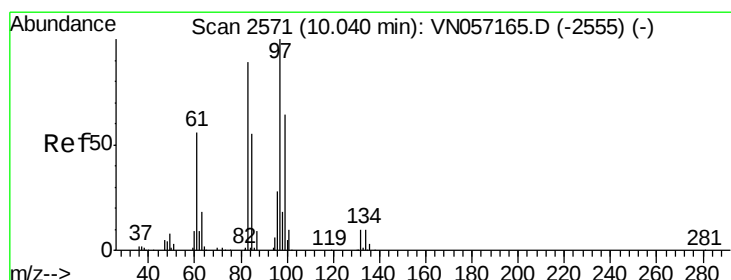
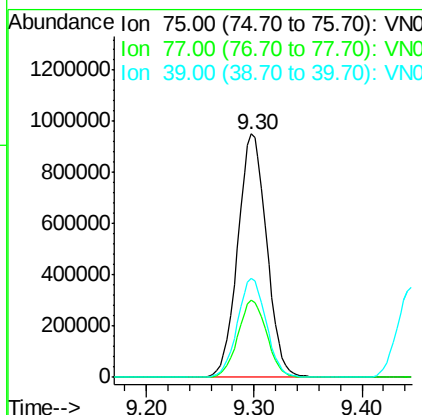
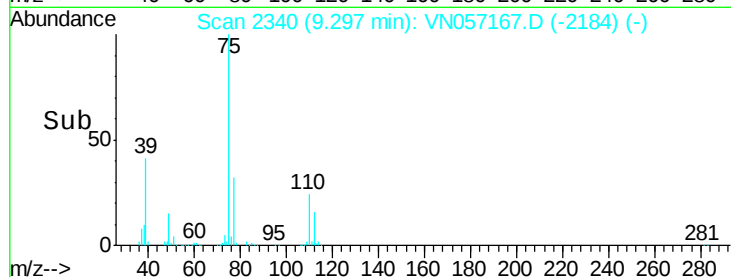
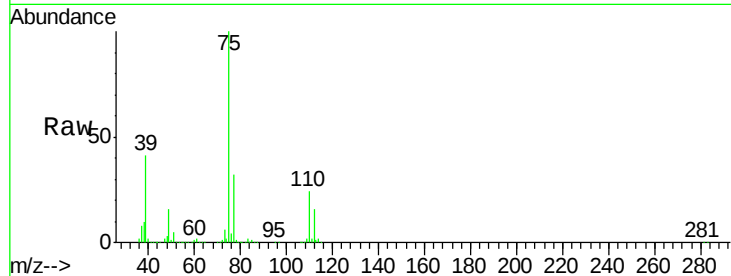
#49
 cis-1,3-Dichloropropene
 Concen: 111.674 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8
39	40.6	33.0	49.6

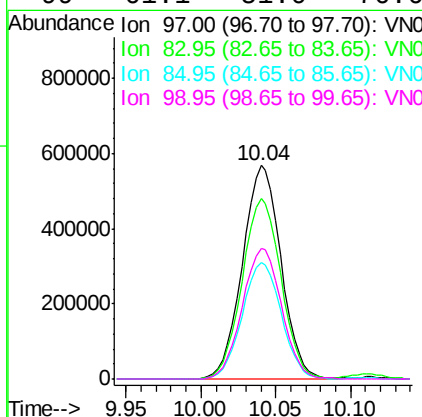
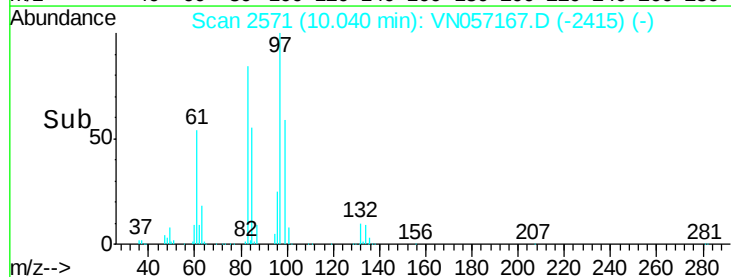
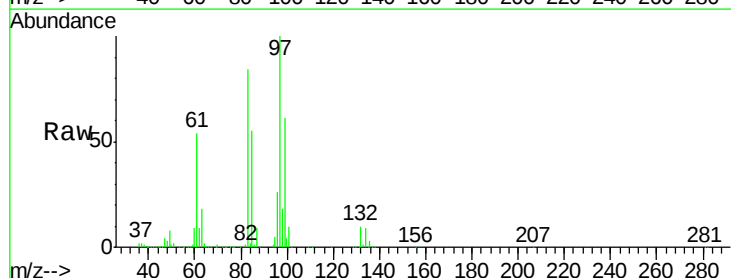
Manual Integrations
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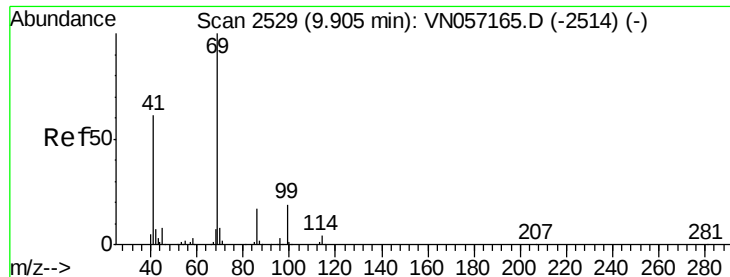
MMDadoda
 8/12/2019 3:55:33 PM



#50
 1,1,2-Trichloroethane
 Concen: 97.947 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.4	107.0
85	54.6	43.8	65.8
99	61.1	51.0	76.6





#51

Ethyl methacrylate

Concen: 102.167 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

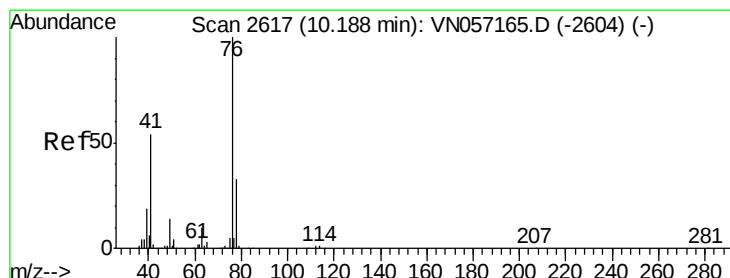
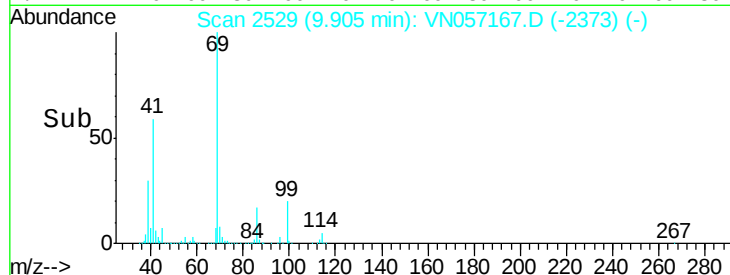
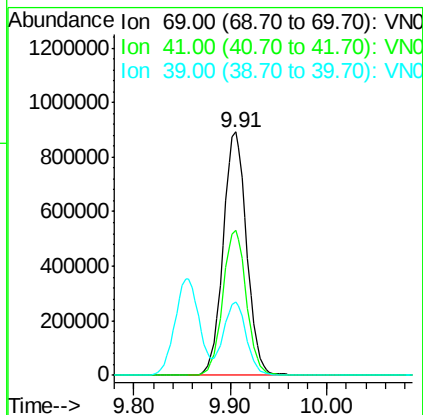
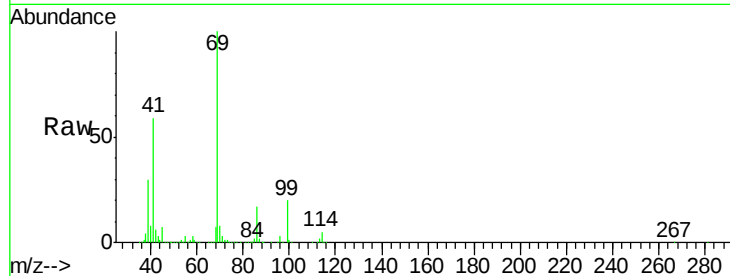
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	1502621
Ion	Ratio	Lower	Upper
69	100		
41	59.4	30.4	91.2
39	30.0	14.8	44.4

Manual Integrations
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MMDadoda
8/12/2019 3:55:33 PM



#52

1,3-Dichloropropane

Concen: 97.085 ug/l

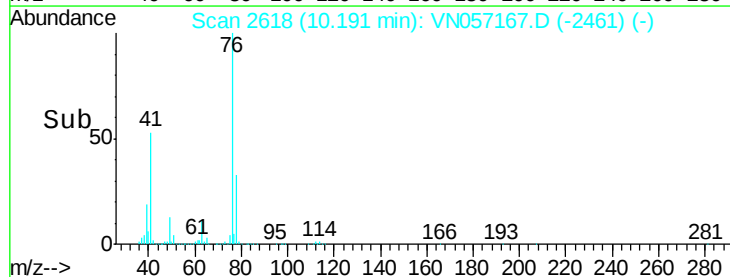
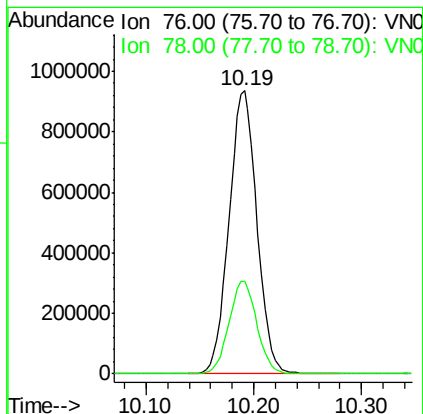
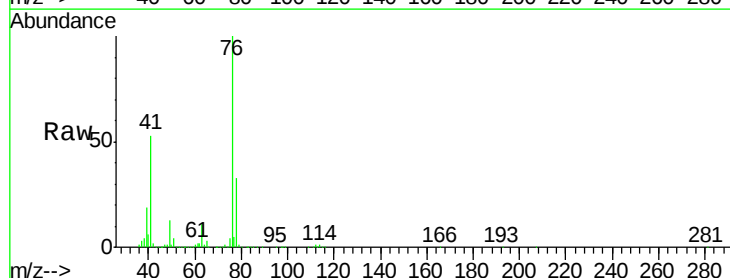
RT: 10.19 min Scan# 2618

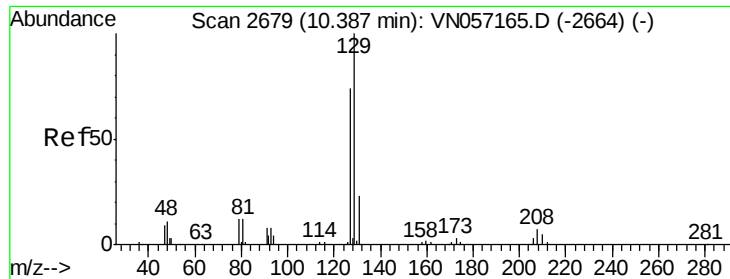
Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	76	Resp:	1686509
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	65.0





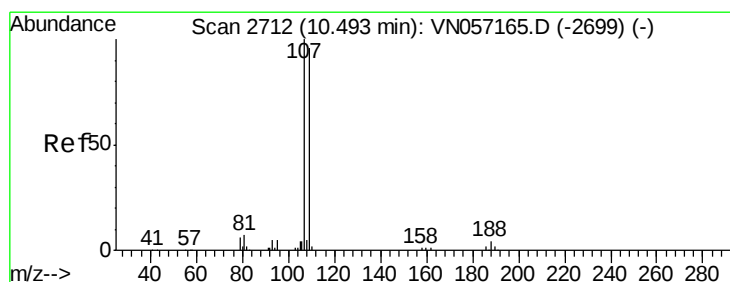
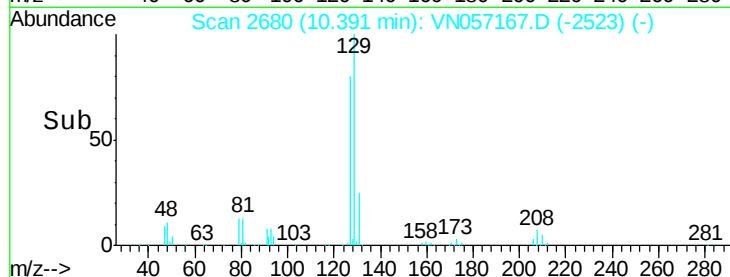
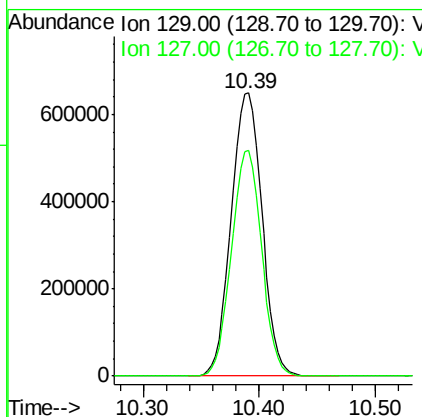
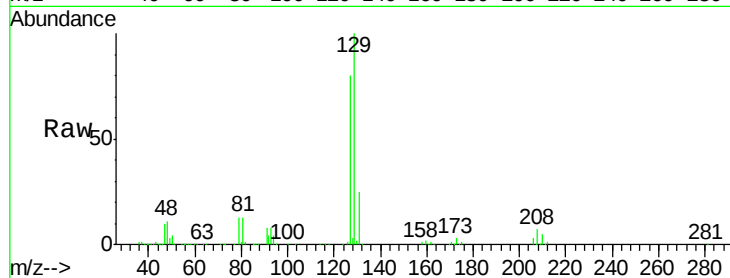
#53
Dibromochloromethane
Concen: 101.791 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:129 Resp: 1195385
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6

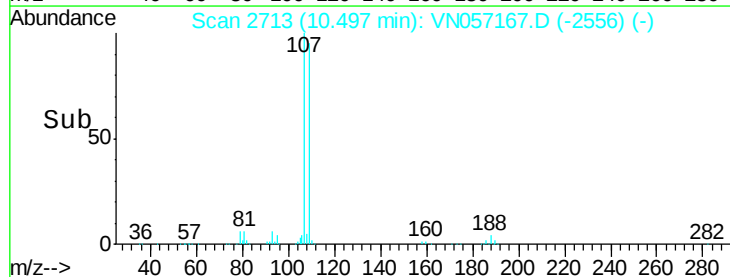
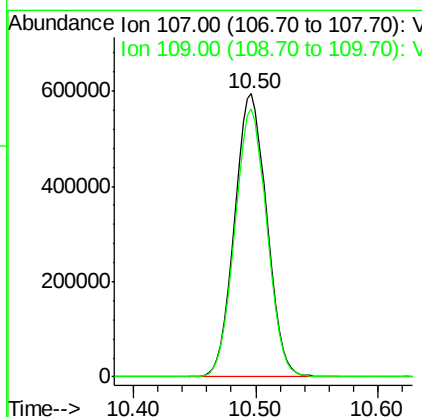
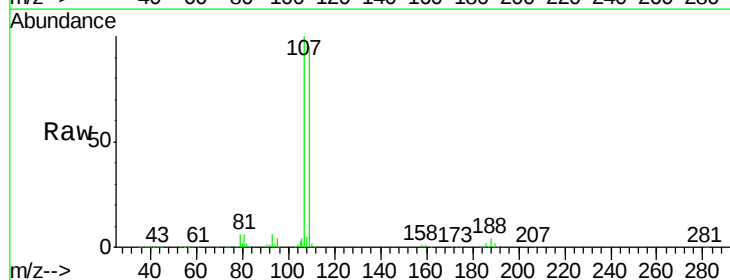
Manual Integrations
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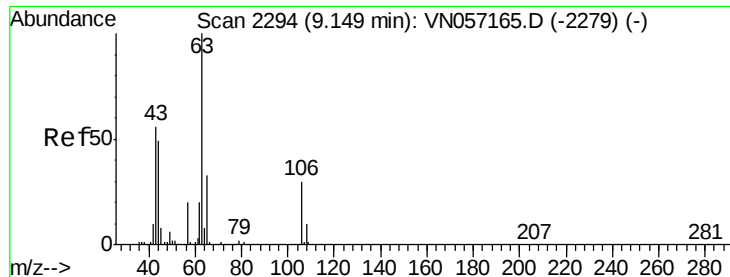
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#54
1,2-Dibromoethane
Concen: 99.969 ug/l
RT: 10.50 min Scan# 2713
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion:107 Resp: 1087563
Ion Ratio Lower Upper
107 100
109 94.1 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 545.820 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 2266634

Ion Ratio Lower Upper

63 100

65 32.0 26.0 39.0

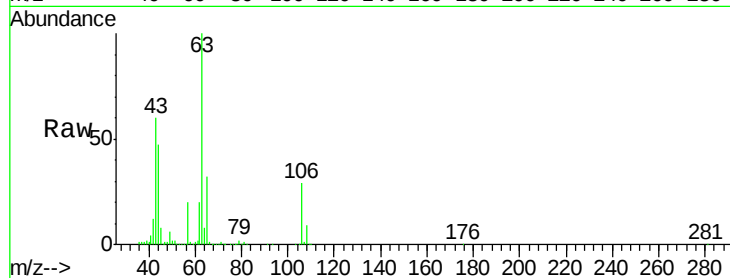
106 29.0 23.3 34.9

Manual Integrations

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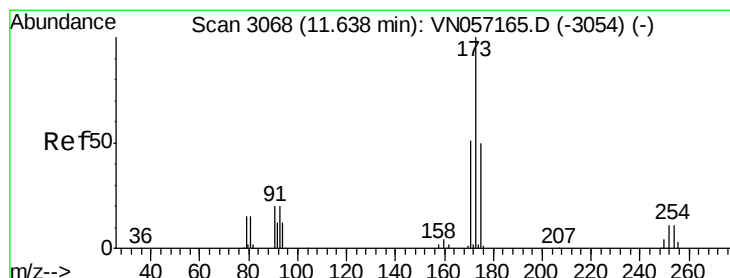
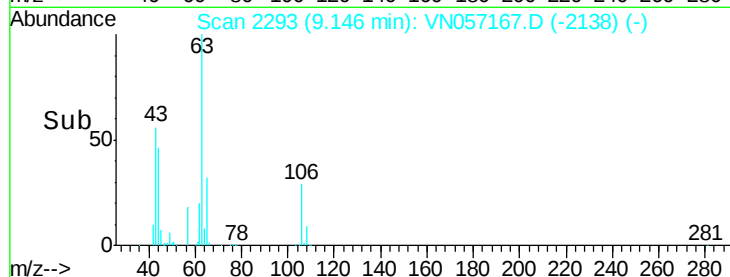
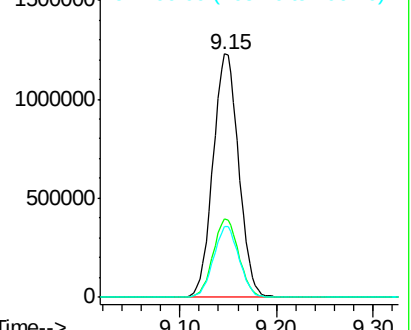
8/12/2019 3:55:33 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): VN0



#56

Bromoform

Concen: 104.590 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

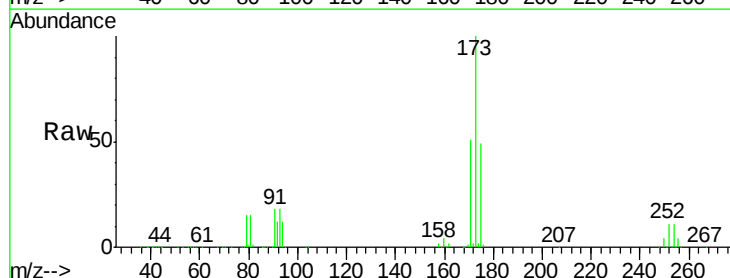
Tgt Ion: 173 Resp: 907627

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

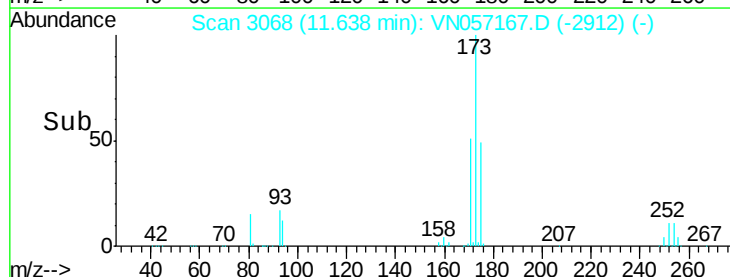
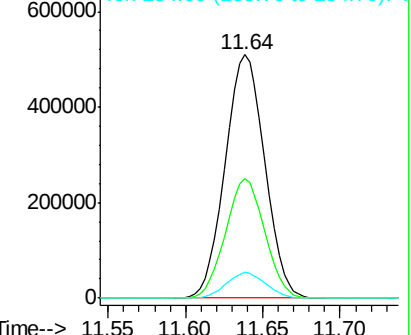
254 10.4 8.6 13.0

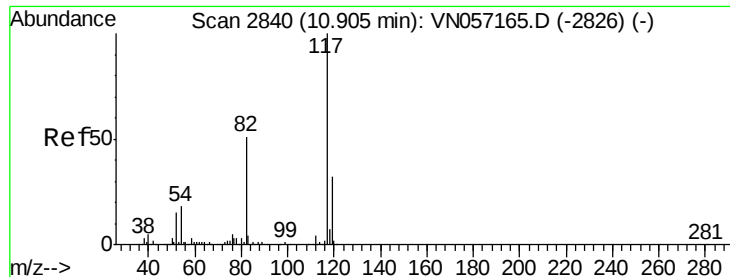


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





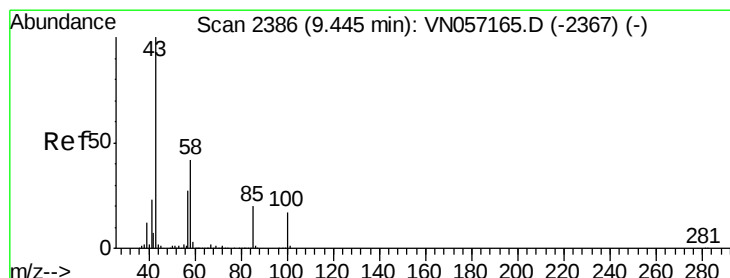
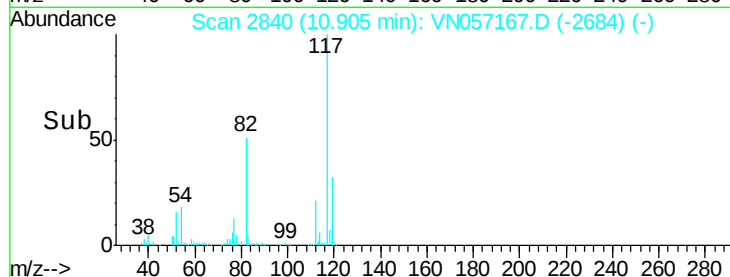
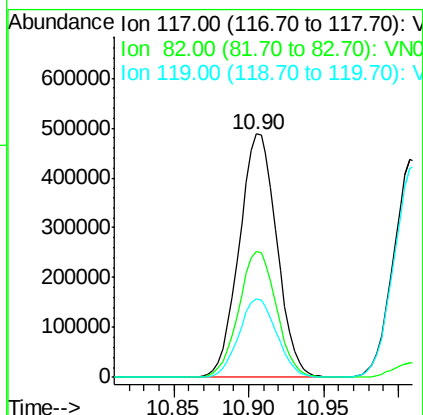
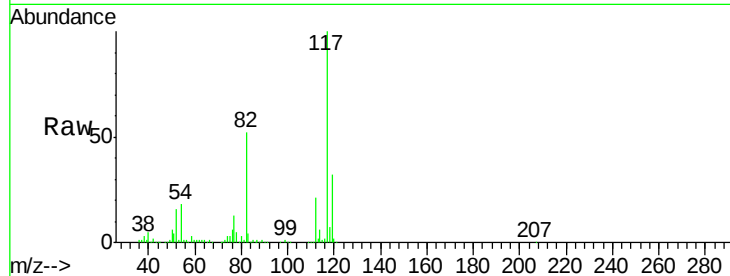
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.5	62.3
119	32.4	26.1	39.1

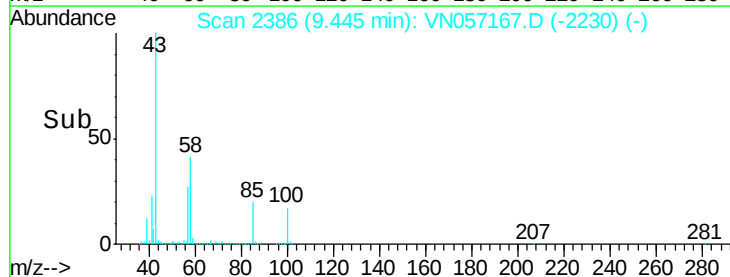
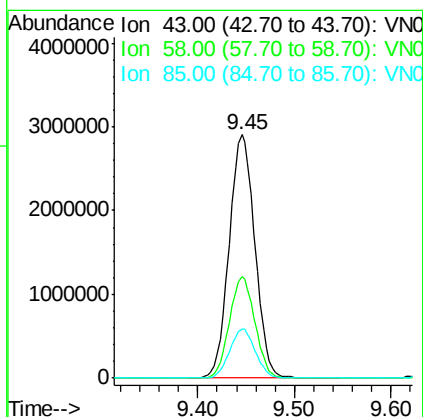
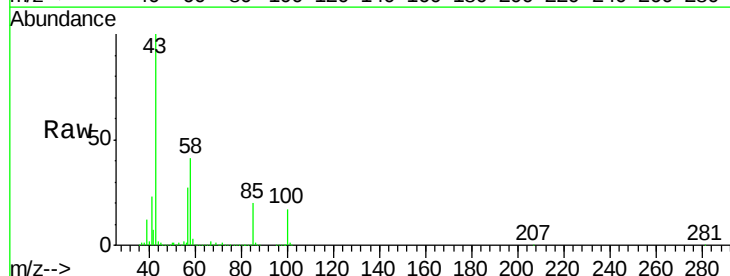
Manual Integrations
APPROVED

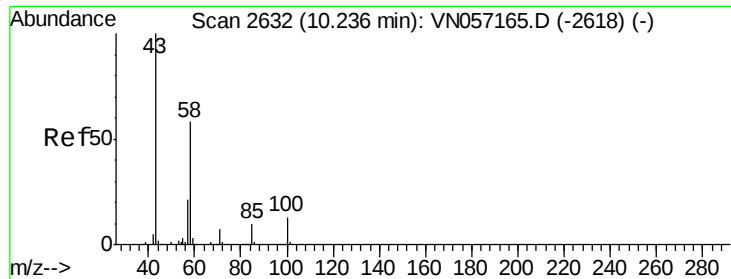
MMDadoda
8/12/2019 3:55:33 PM



#58
4-Methyl-2-Pentanone
Concen: 487.548 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.8	49.2
85	20.1	16.4	24.6





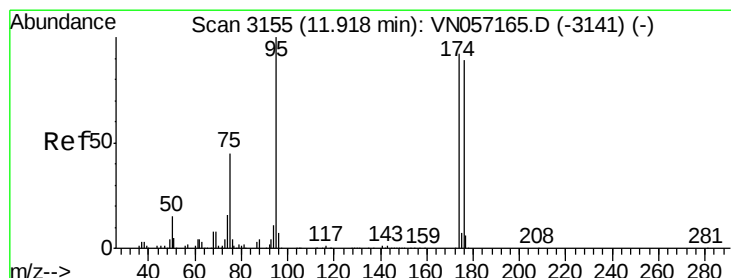
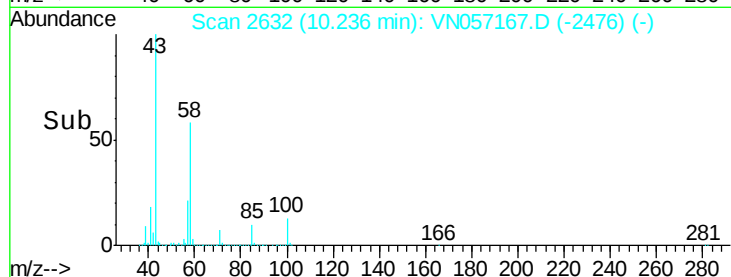
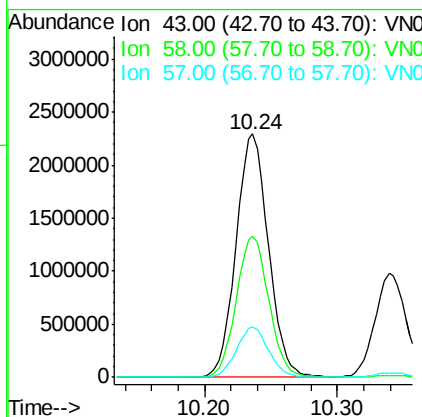
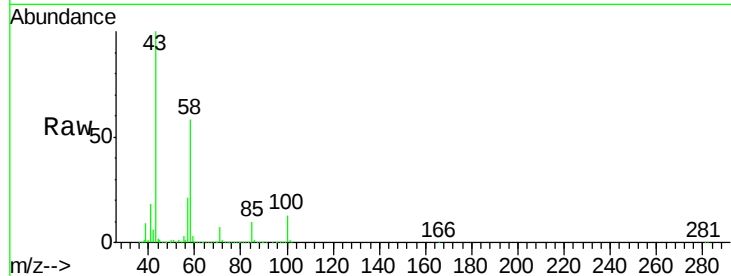
#59
2-Hexanone
Concen: 492.387 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3884372
Ion Ratio Lower Upper
43 100
58 58.5 45.4 68.2
57 20.6 16.1 24.1

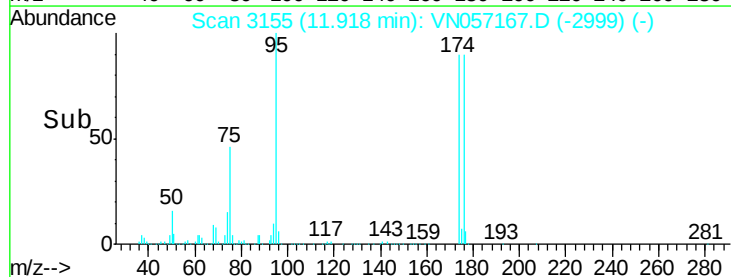
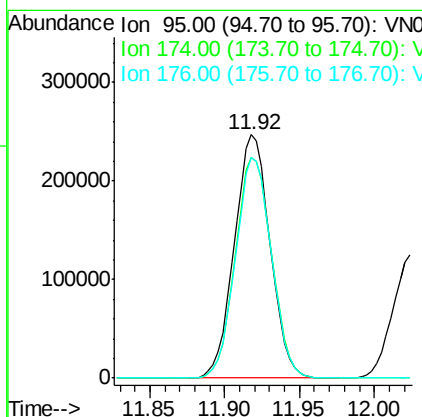
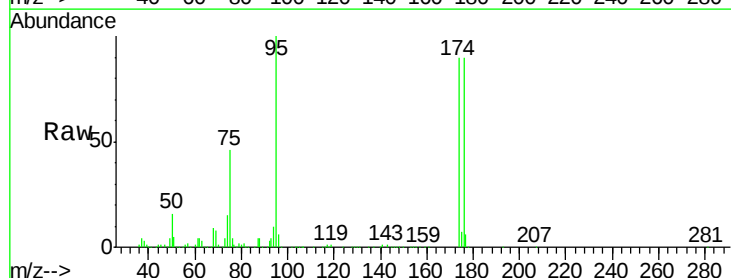
Manual Integrations
APPROVED

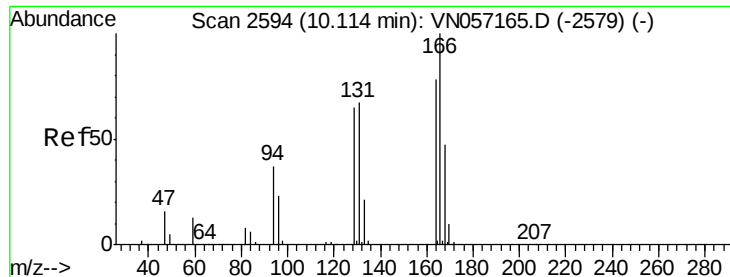
MMDadoda
8/12/2019 3:55:33 PM



#60
4-Bromofluorobenzene
Concen: 32.208 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 95 Resp: 409638
Ion Ratio Lower Upper
95 100
174 92.0 74.9 112.3
176 91.1 72.1 108.1





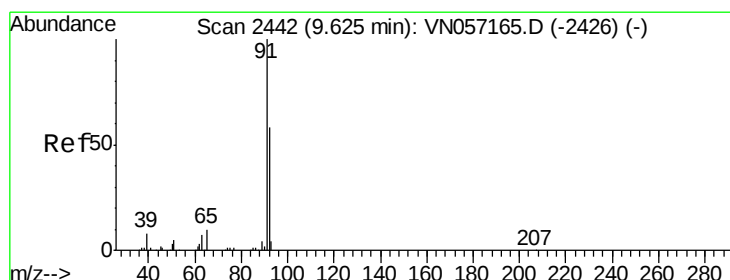
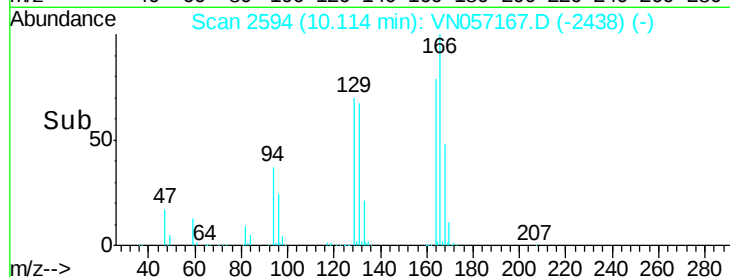
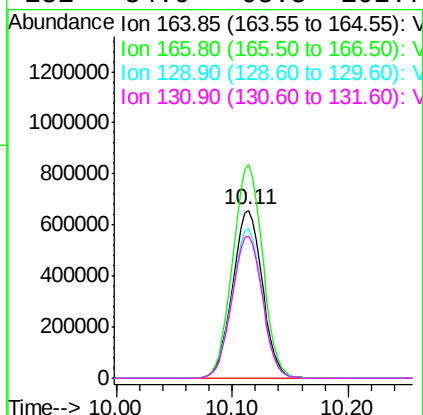
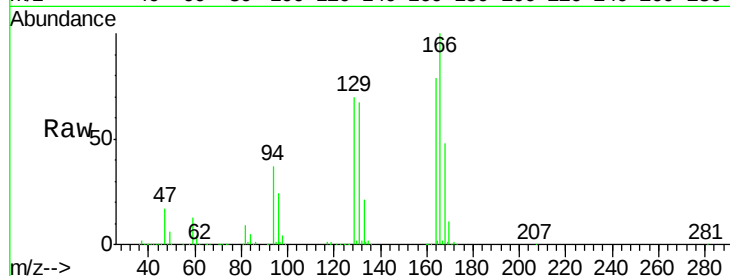
#61
Tetrachloroethene
Concen: 88.919 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:164 Resp: 1165719
Ion Ratio Lower Upper
164 100
166 127.1 103.0 154.6
129 88.9 67.3 100.9
131 84.9 68.5 102.7

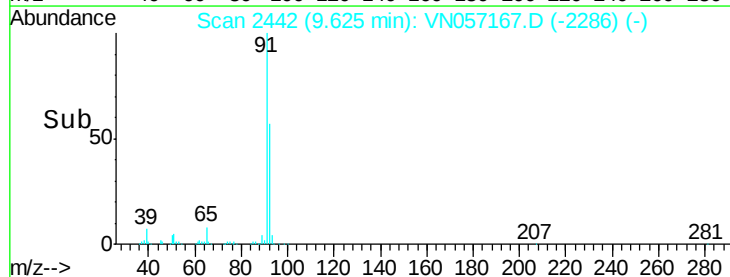
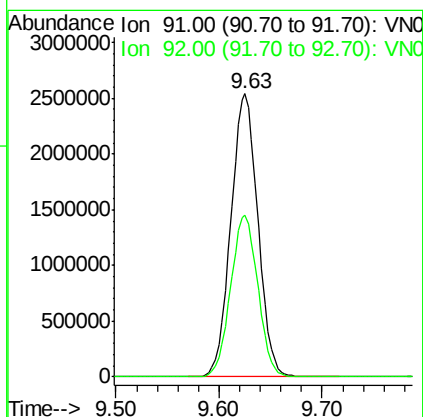
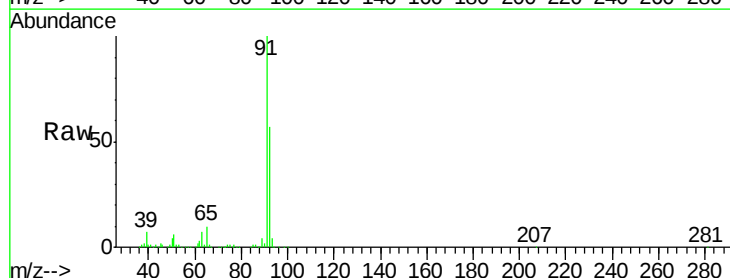
Manual Integrations
APPROVED

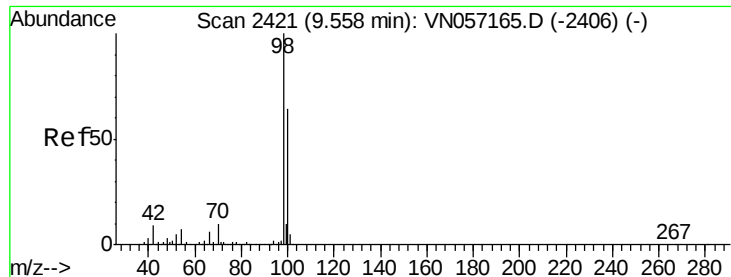
MMDadoda
8/12/2019 3:55:33 PM



#62
Toluene
Concen: 95.332 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 91 Resp: 4634890
Ion Ratio Lower Upper
91 100
92 57.5 46.1 69.1





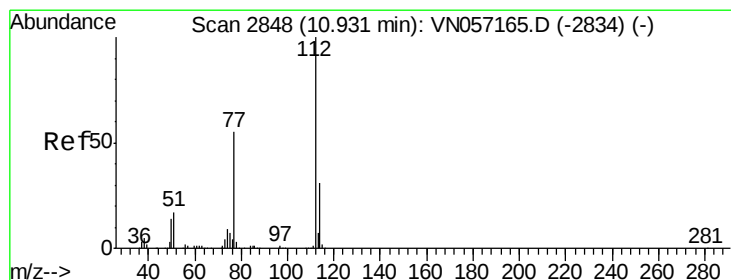
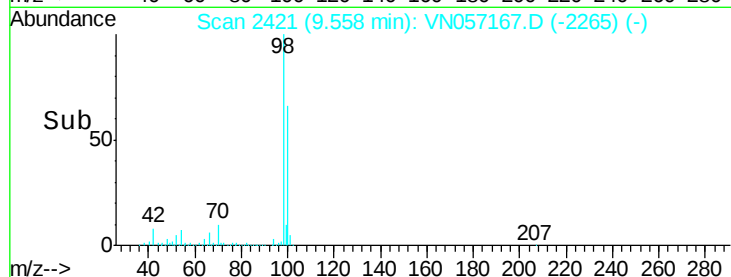
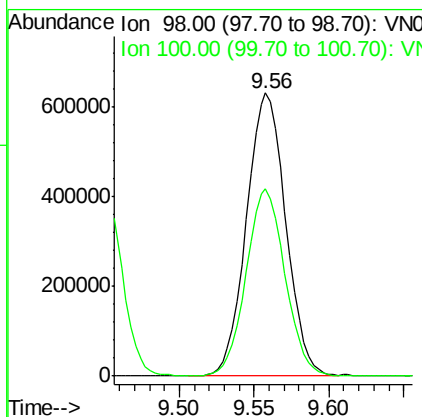
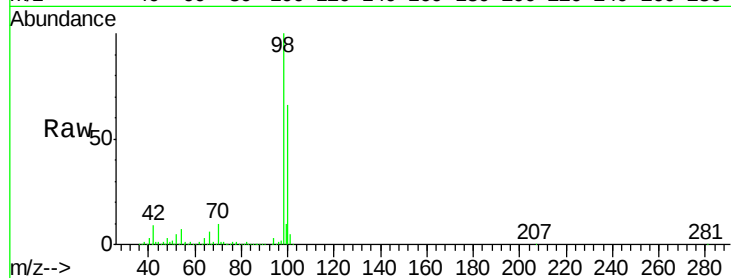
#63
Toluene-d8
Concen: 29.285 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 1154713
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

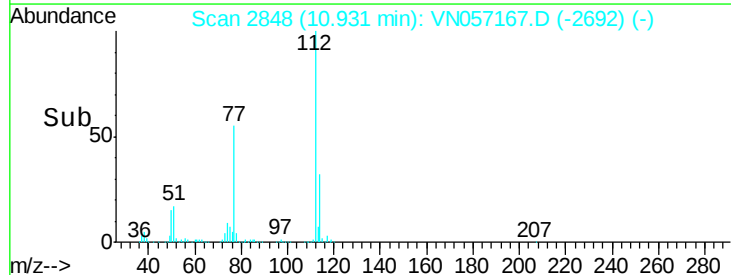
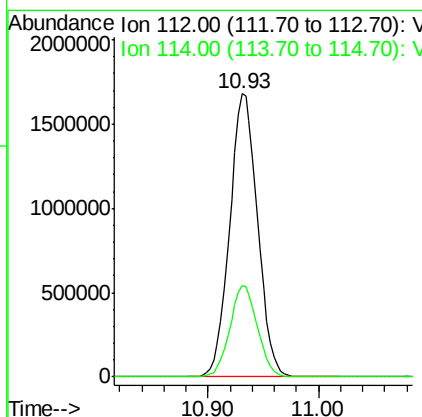
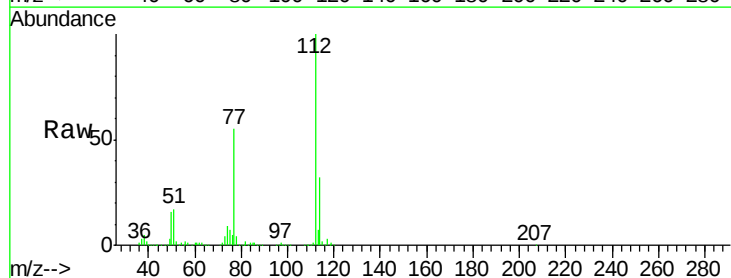
Manual Integrations
APPROVED

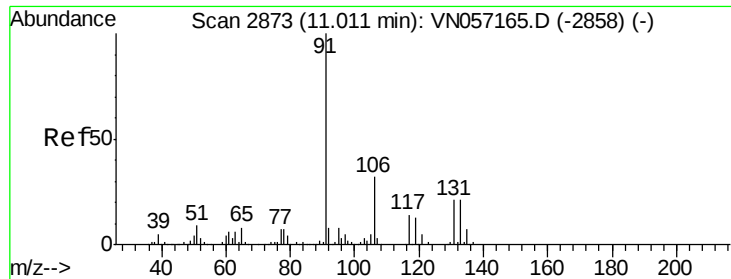
MMDadoda
8/12/2019 3:55:33 PM



#64
Chlorobenzene
Concen: 98.063 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion: 112 Resp: 2932387
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6





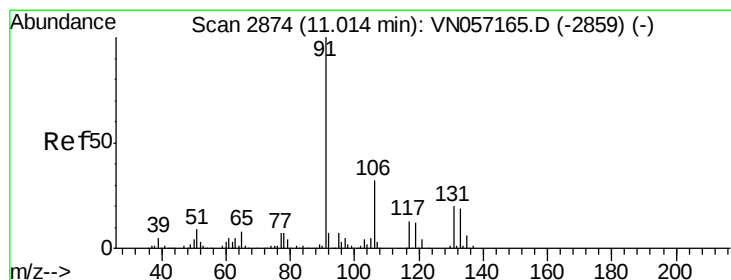
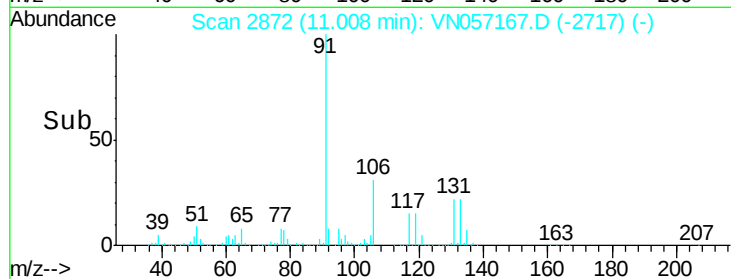
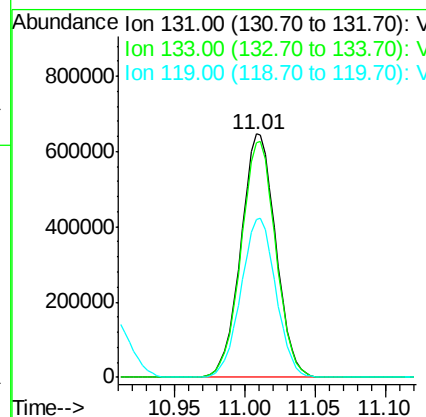
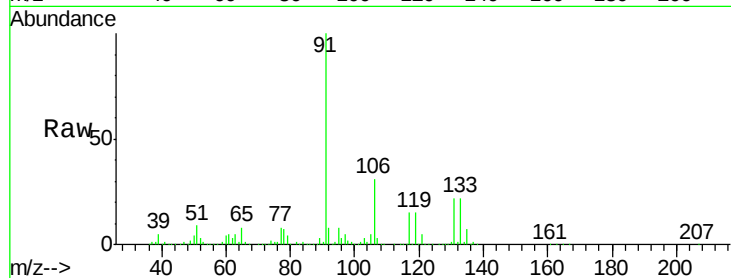
#65
 1,1,1,2-Tetrachloroethane
 Concen: 97.618 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	0.0	196.0
119	65.3	0.0	132.6

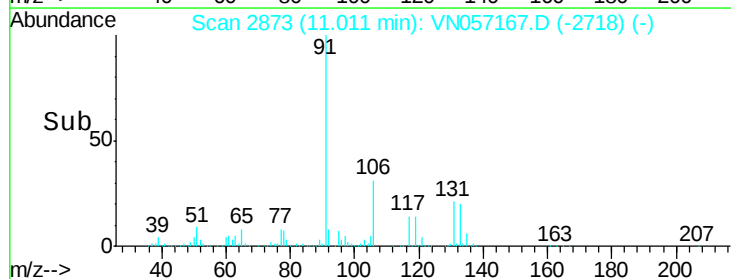
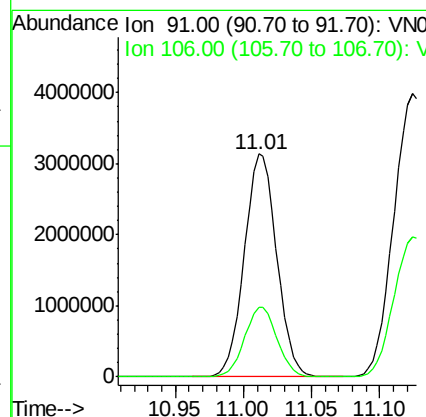
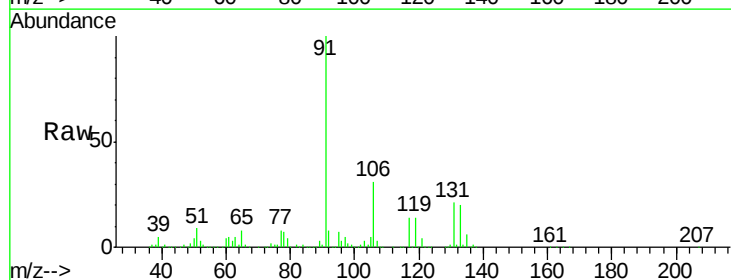
Manual Integrations
 APPROVED

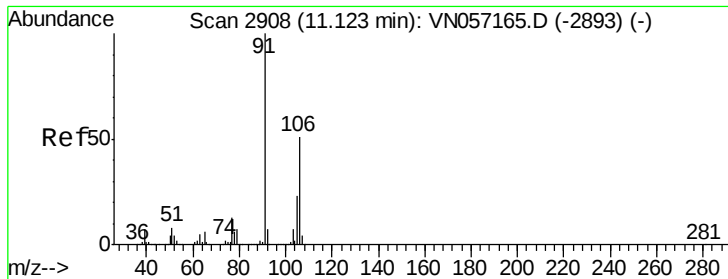
MMDadoda
 8/12/2019 3:55:33 PM



#66
 Ethyl Benzene
 Concen: 99.086 ug/l
 RT: 11.01 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9





#67

m/p-Xylenes

Concen: 199.986 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 3930473

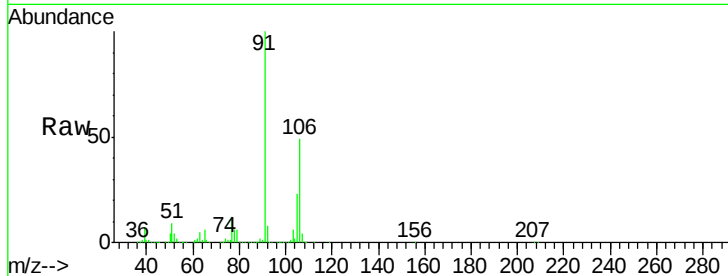
Ion Ratio Lower Upper

106 100

91 200.9 160.5 240.7

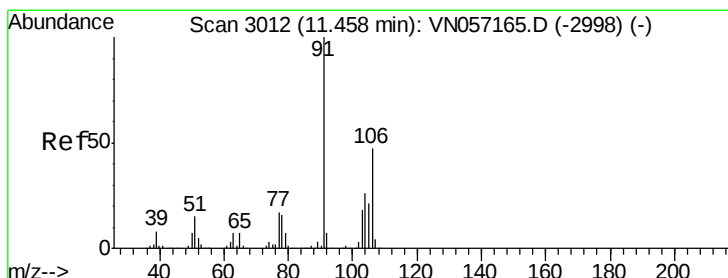
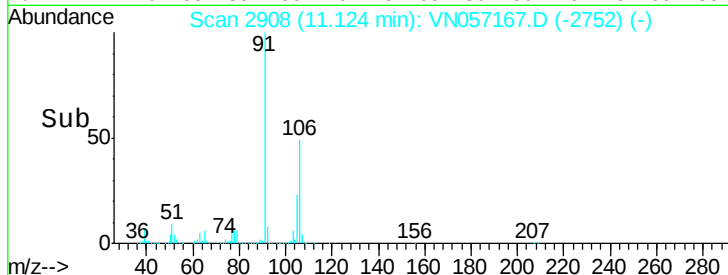
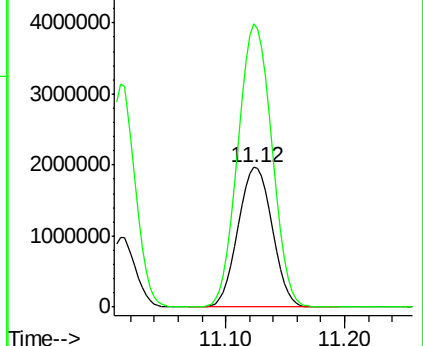
Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:55:33 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 99.871 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VN057167.D

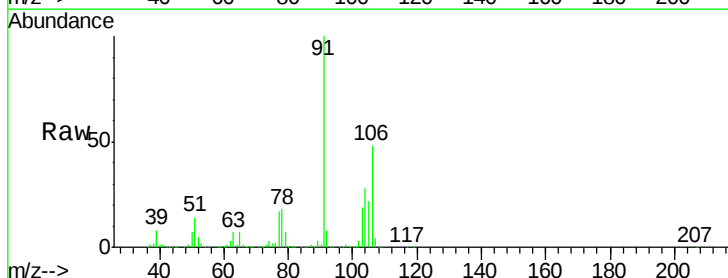
Acq: 10 Aug 2019 11:02

Tgt Ion:106 Resp: 1905641

Ion Ratio Lower Upper

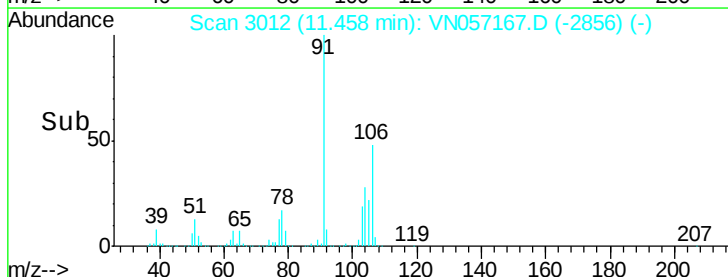
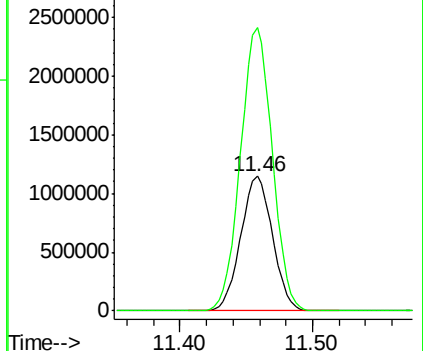
106 100

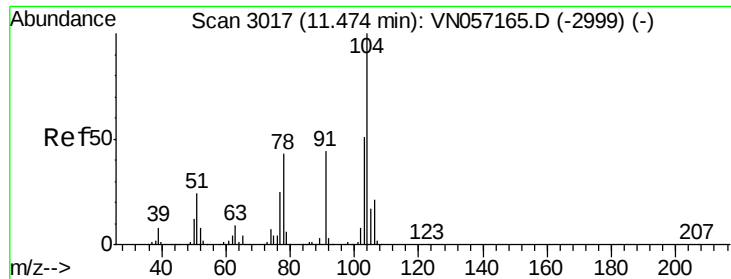
91 210.4 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





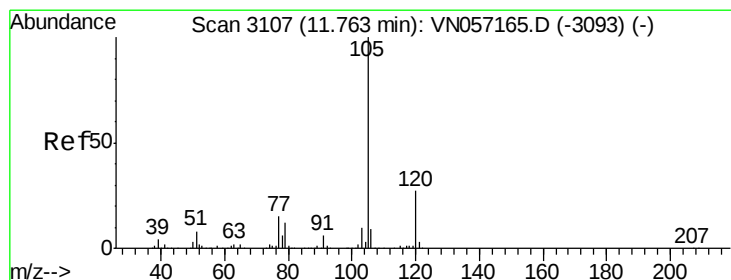
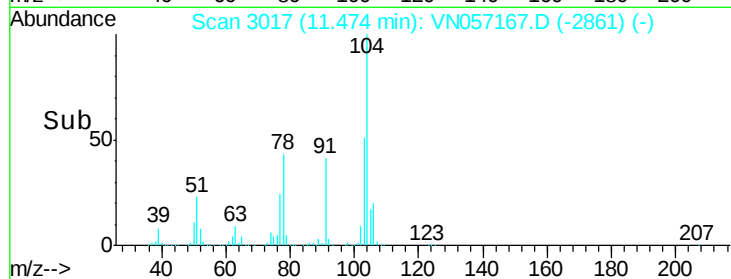
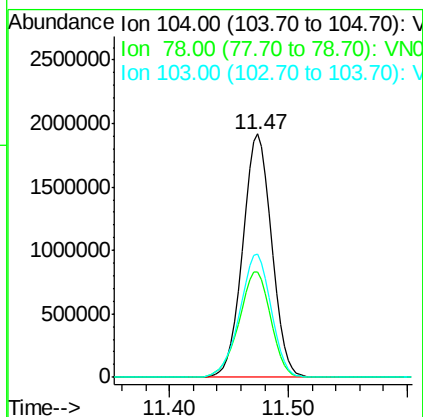
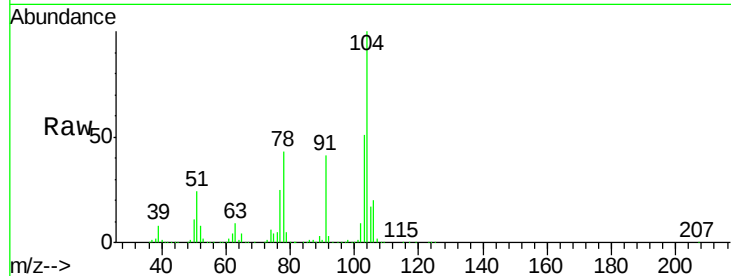
#69
Stvrene
Concen: 105.348 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
3223308	104	100		
	78	47.8	38.7	58.1
	103	55.1	44.3	66.5

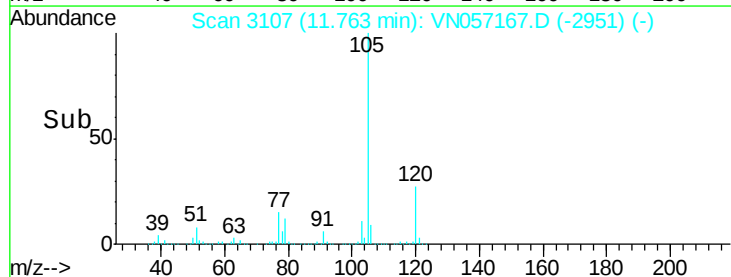
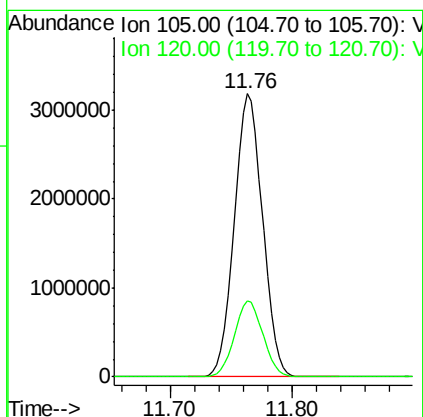
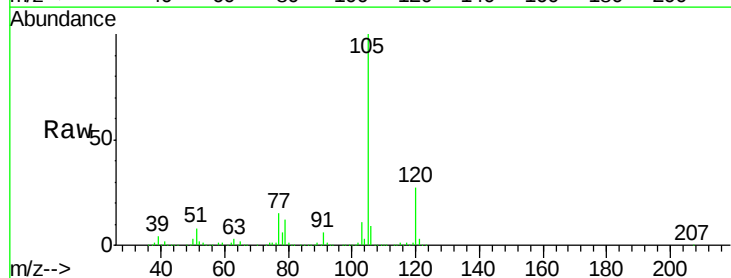
Manual Integrations
APPROVED

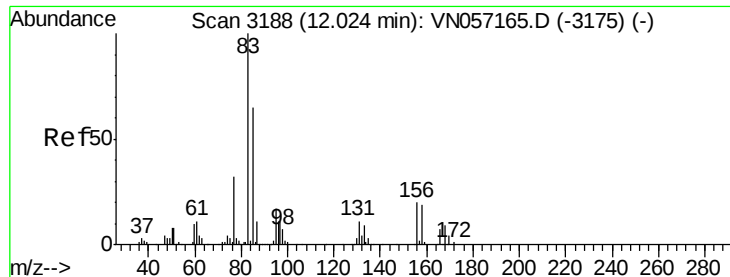
MMDadoda
8/12/2019 3:55:33 PM



#70
Isopropylbenzene
Concen: 99.416 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
5107196	105	100		
	120	27.0	19.1	35.5





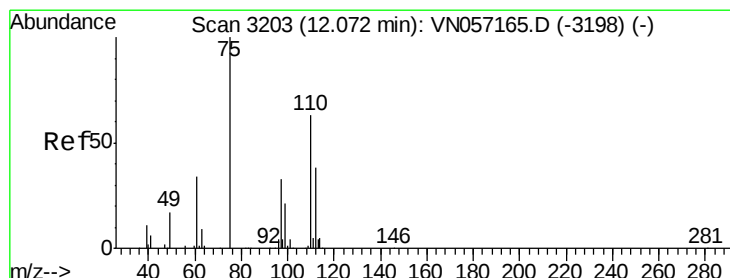
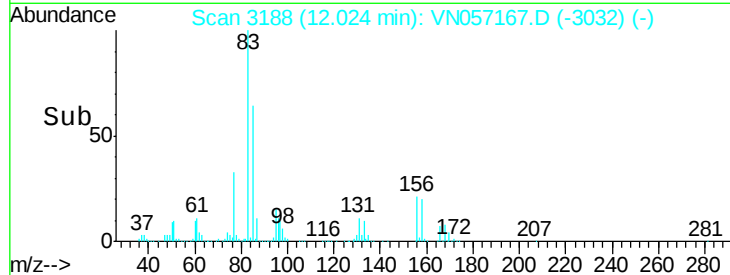
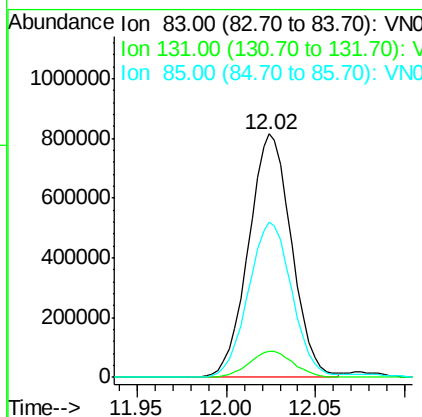
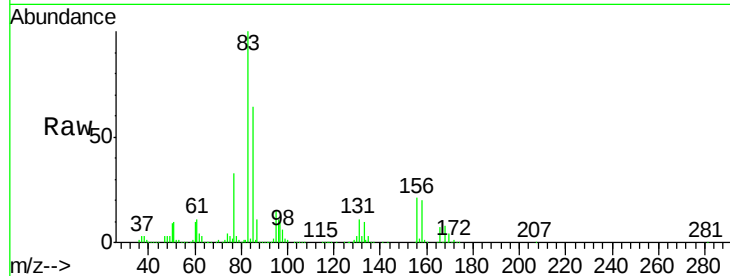
#71
 1,1,2,2-Tetrachloroethane
 Concen: 97.368 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	83	Resp	1369965
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	64.8	32.6	98.0

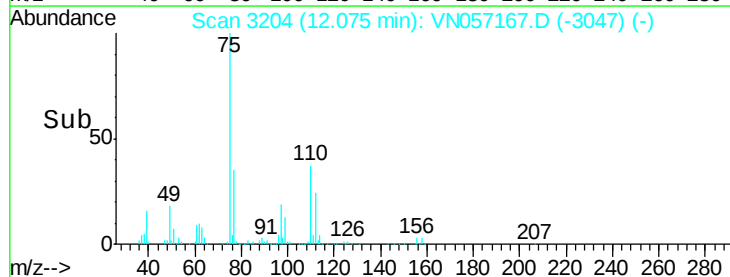
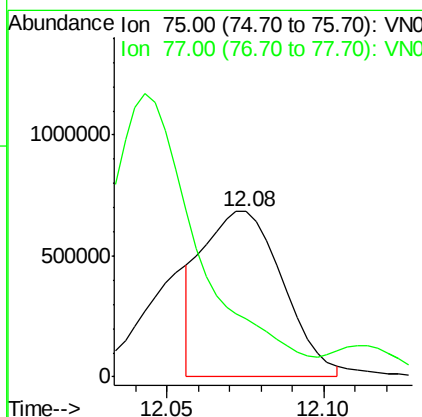
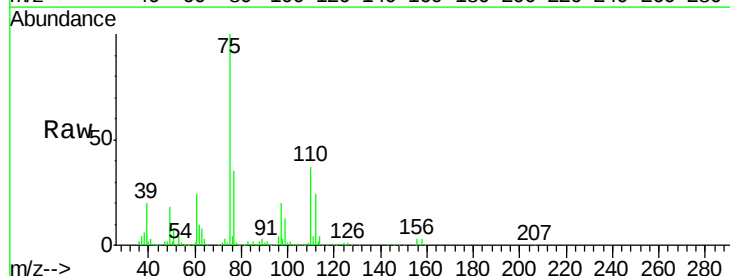
Manual Integrations
 APPROVED

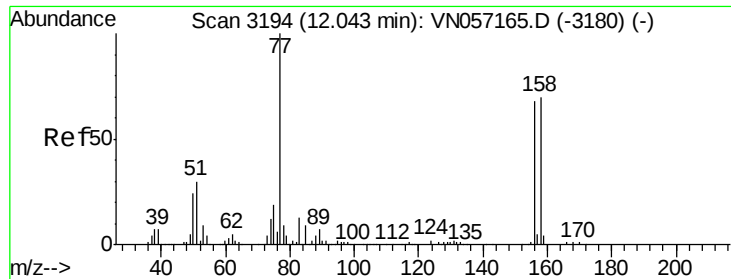
MMDadoda
 8/12/2019 3:55:33 PM



#72
 1,2,3-Trichloropropane
 Concen: 97.240 ug/l m
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	75	Resp	1213103
Ion Ratio	100	Lower	Upper
75	100		
77	196.9	0.0	379.4





#73

Bromobenzene

Concen: 101.781 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1355831

Ion Ratio Lower Upper

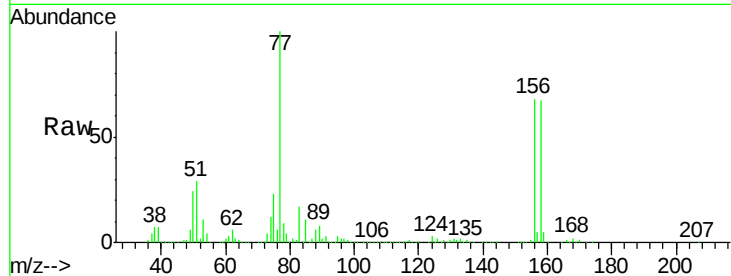
156 100

77 176.2 0.0 361.6

158 97.9 0.0 200.6

Manual Integrations
APPROVED

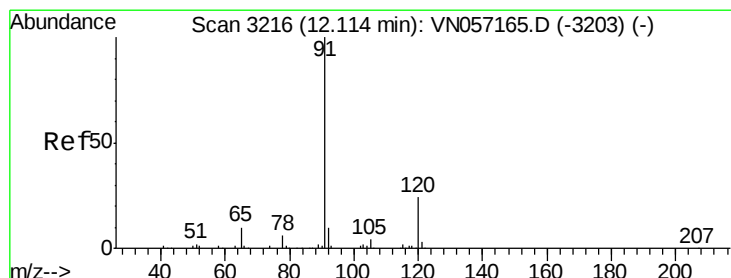
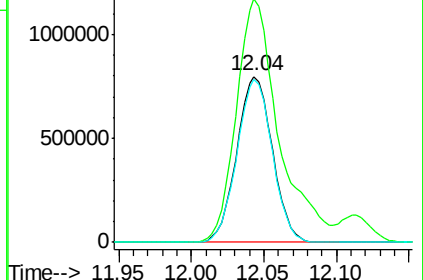
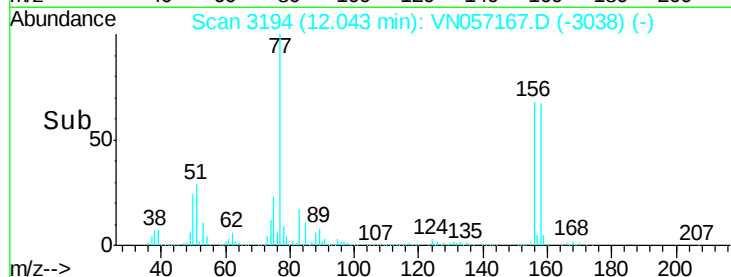
MMDadoda
8/12/2019 3:55:33 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 105.460 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057167.D

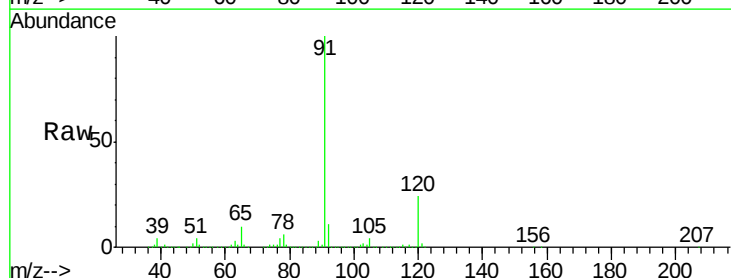
Acq: 10 Aug 2019 11:02

Tgt Ion: 91 Resp: 5687474

Ion Ratio Lower Upper

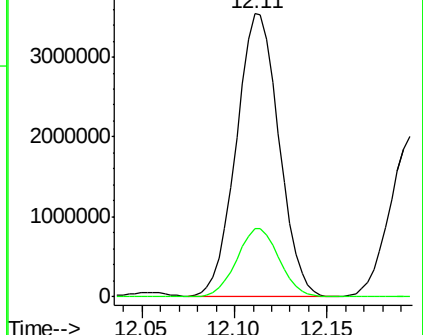
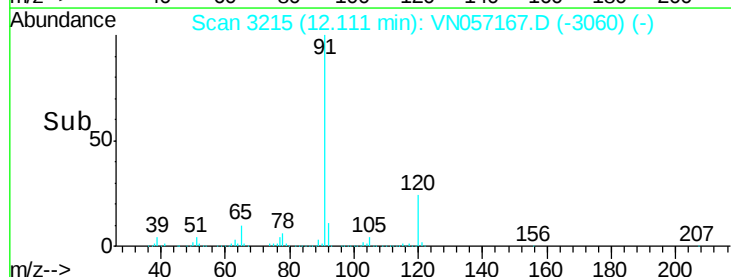
91 100

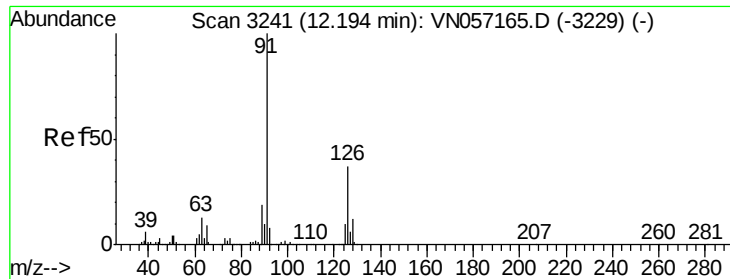
120 24.0 0.0 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 101.722 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3393113

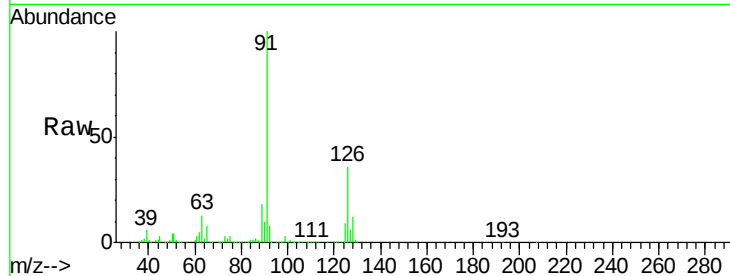
Ion Ratio Lower Upper

91 100

126 35.9 0.0 73.4

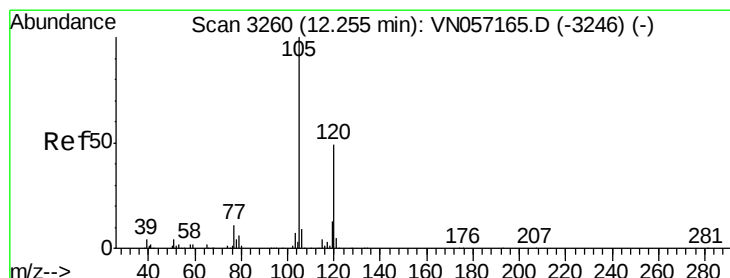
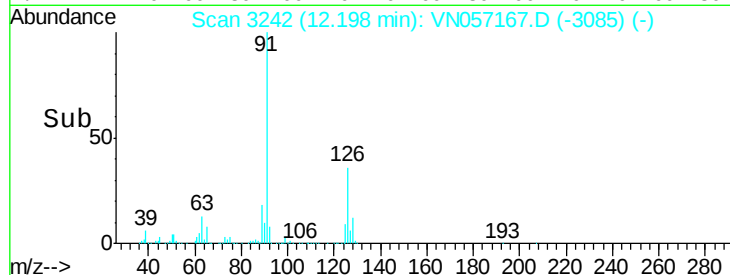
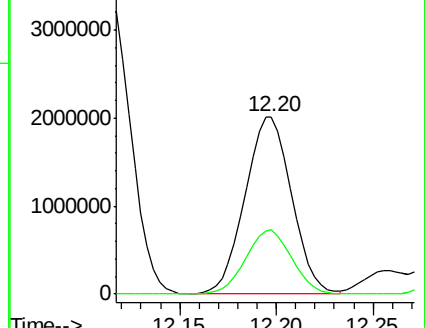
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057167.D (-3085) (-)

Ion 126.00 (125.70 to 126.70): VN057167.D (-3085) (-)



#76

1,3,5-Trimethylbenzene

Concen: 105.286 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057167.D

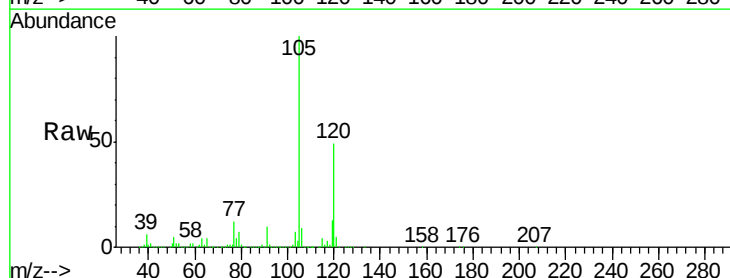
Acq: 10 Aug 2019 11:02

Tgt Ion: 105 Resp: 4372301

Ion Ratio Lower Upper

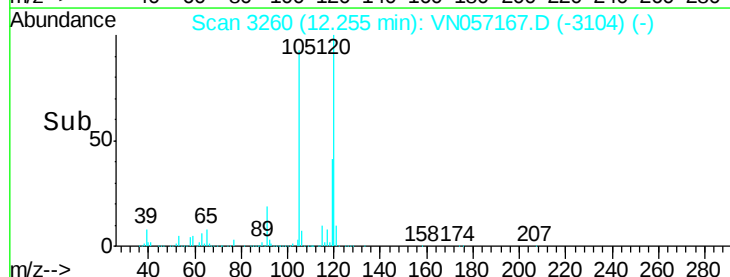
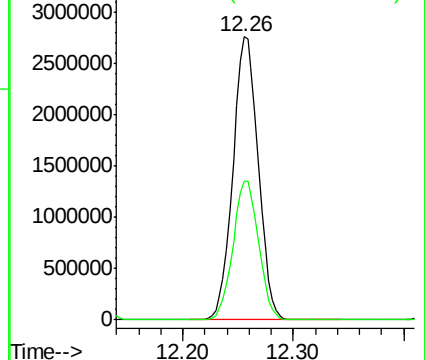
105 100

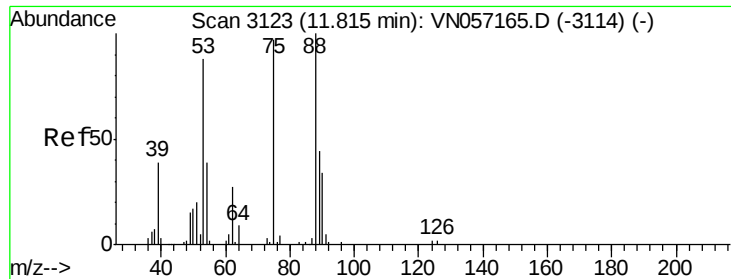
120 49.7 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057167.D (-3104) (-)

Ion 120.00 (119.70 to 120.70): VN057167.D (-3104) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 108.786 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Instrument :

MSVOA_N

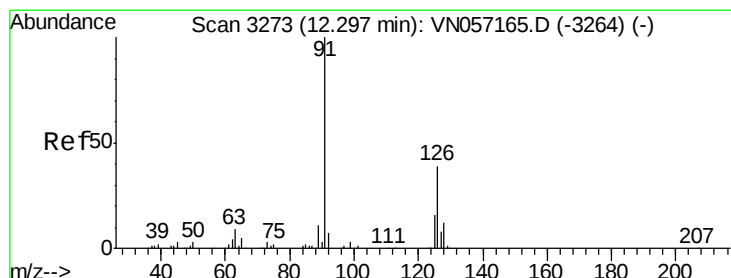
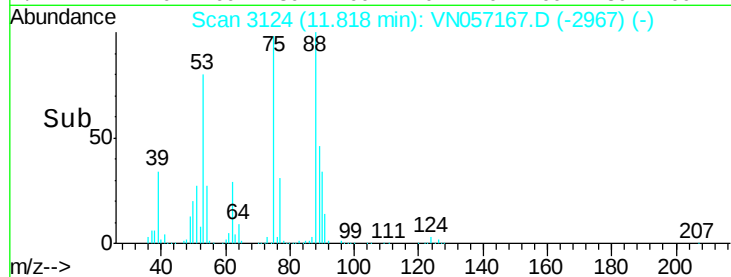
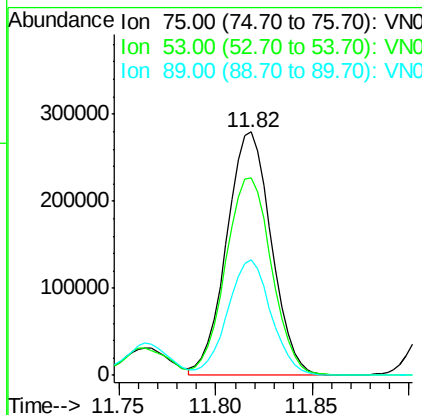
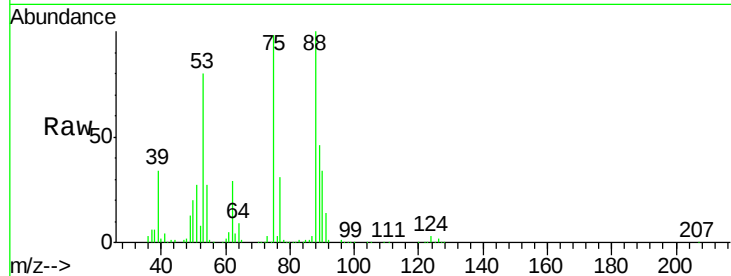
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	450828
Ion Ratio	Lower	Upper	
75	100		
53	81.3	45.4	136.2
89	47.4	23.5	70.6

Manual Integrations
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#78

4-Chlorotoluene

Concen: 108.164 ug/l

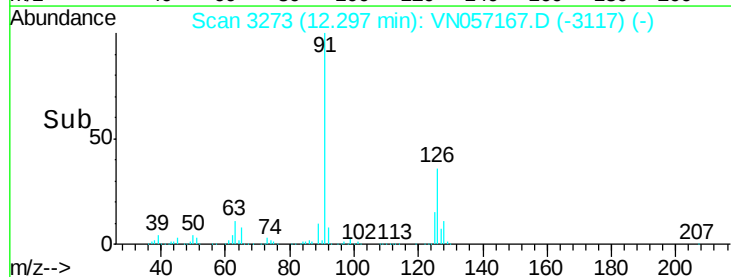
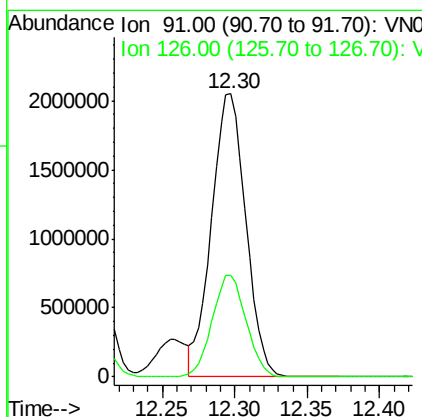
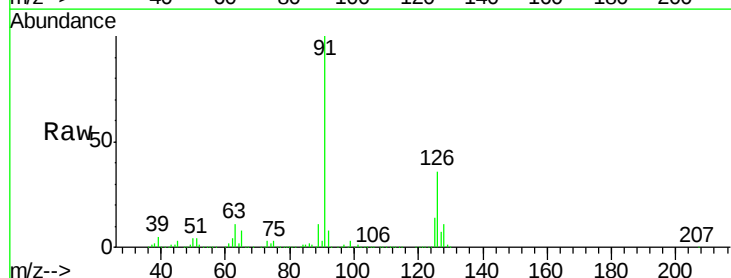
RT: 12.30 min Scan# 3273

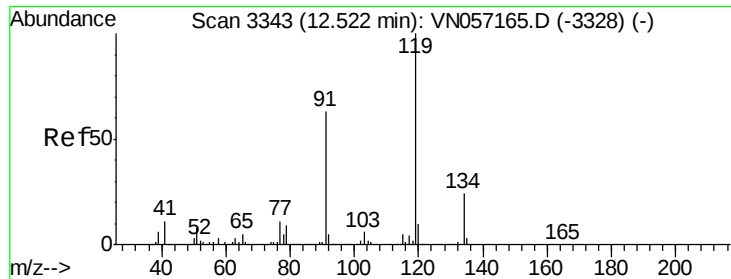
Delta R.T. 0.00 min

Lab File: VN057167.D

Acq: 10 Aug 2019 11:02

Tgt Ion:	91	Resp:	3350911
Ion Ratio	Lower	Upper	
91	100		
126	35.7	0.0	70.2





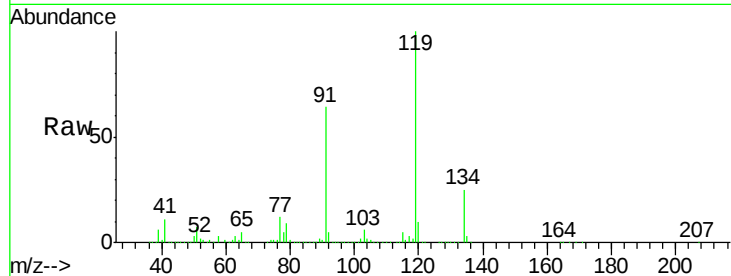
#79
tert-butylbenzene
Concen: 98.910 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

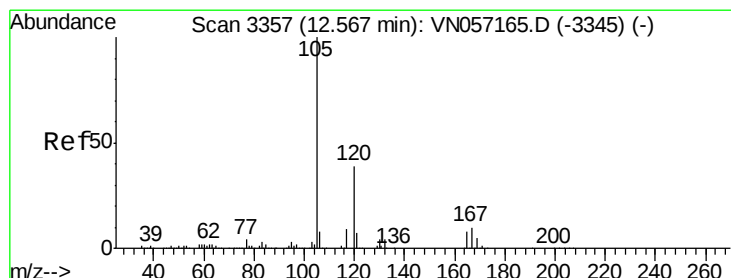
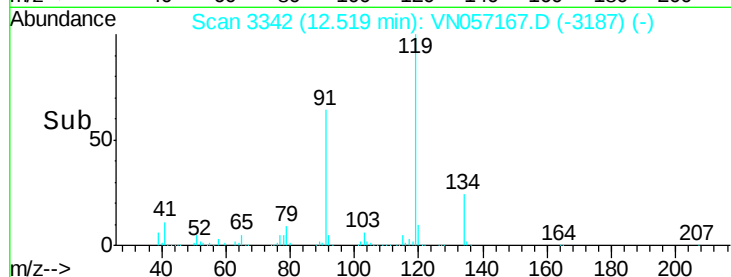
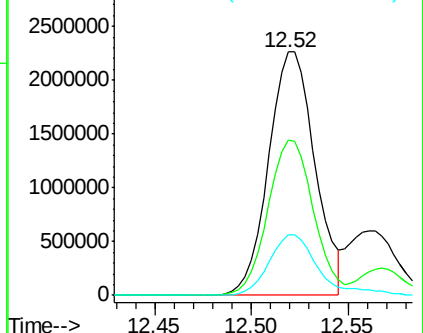
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	0.0	123.8
134	26.4	0.0	48.6

Manual Integrations
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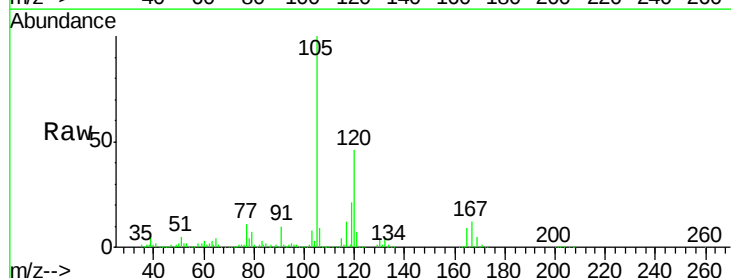


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

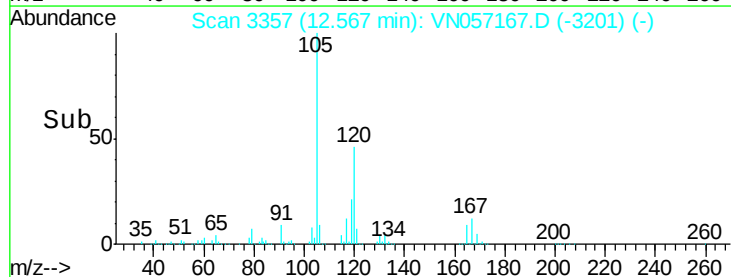
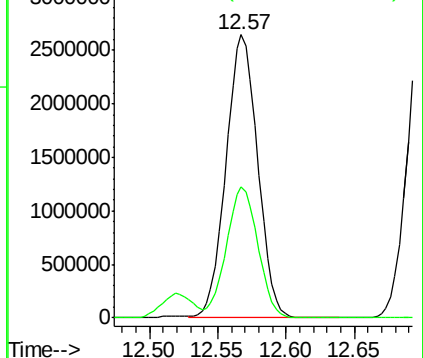


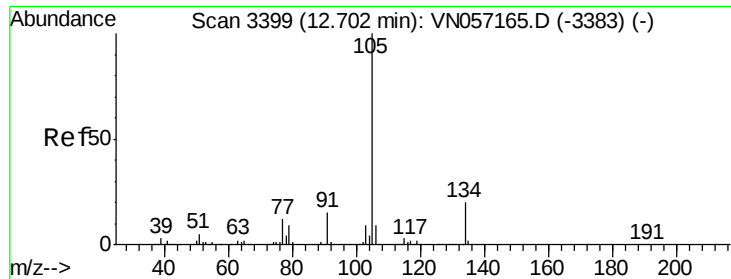
#80
1,2,4-Trimethylbenzene
Concen: 104.274 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	91.2



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





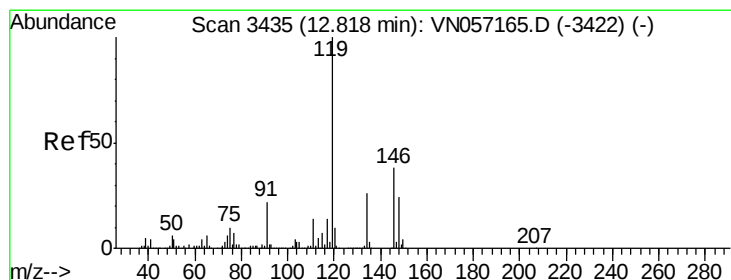
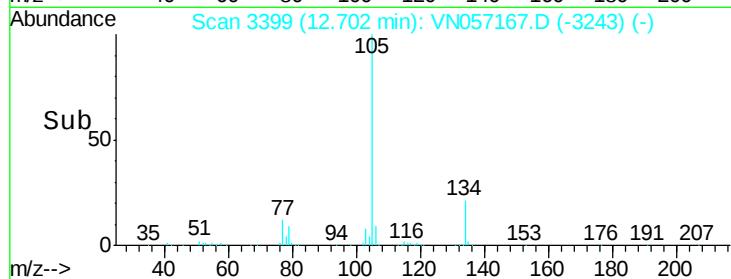
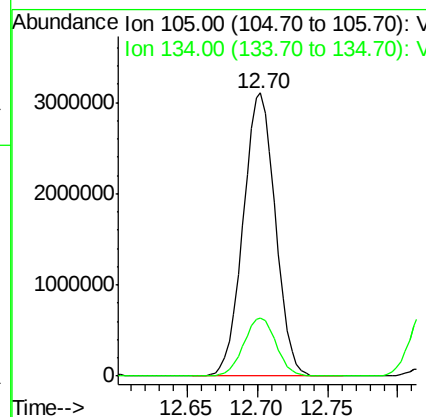
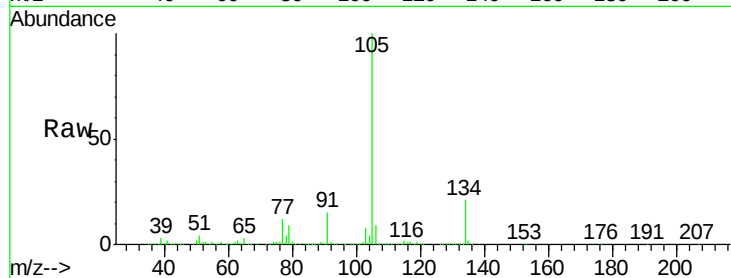
#81
 sec-Butylbenzene
 Concen: 103.070 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 4954544
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 40.6

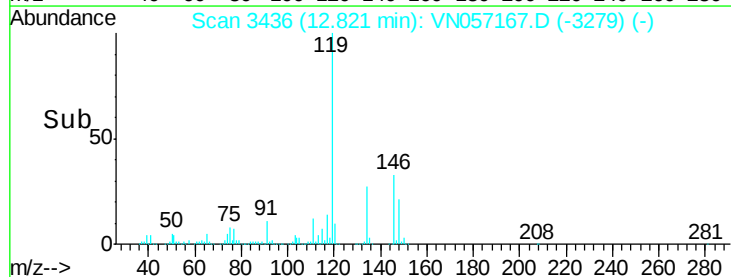
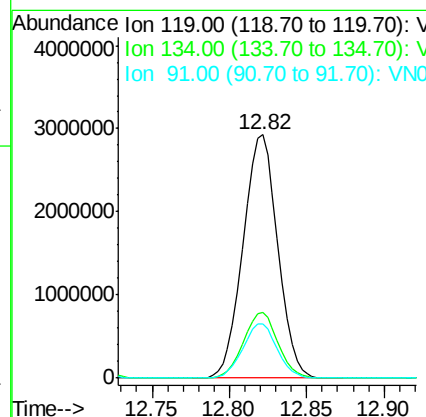
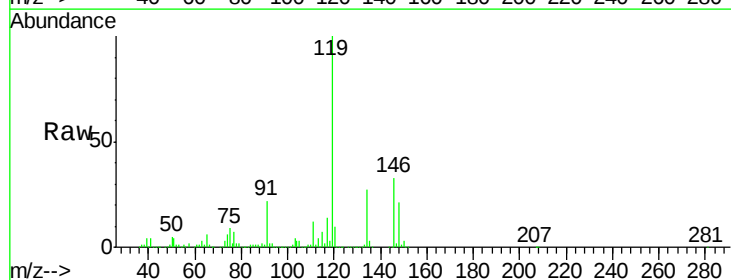
Manual Integrations
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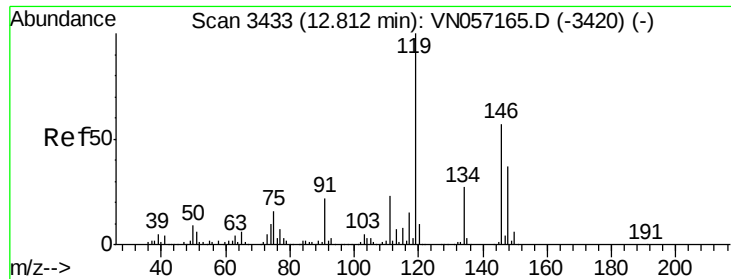
MMDadoda
 8/12/2019 3:55:33 PM



#82
 p-Isopropyltoluene
 Concen: 106.465 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion:119 Resp: 4557075
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 54.2
 91 22.1 0.0 44.4





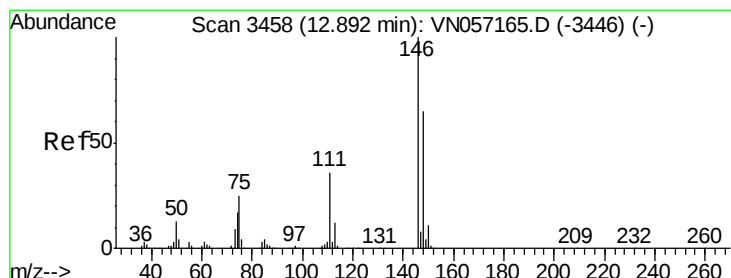
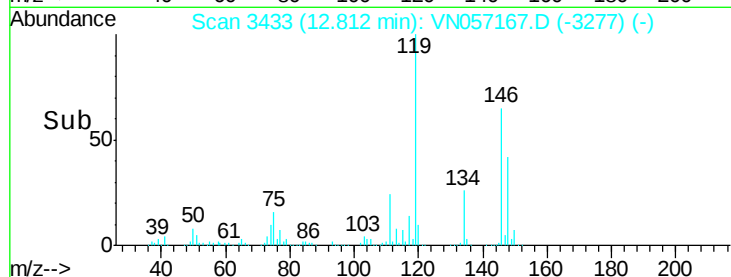
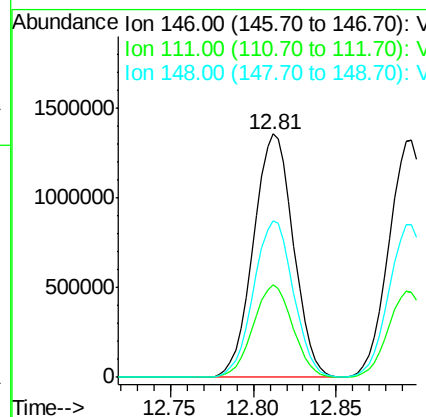
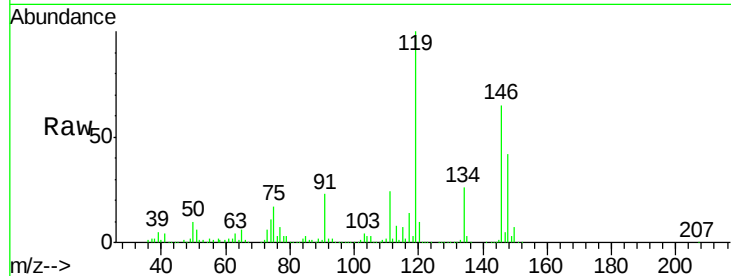
#83
 1,3-Dichlorobenzene
 Concen: 111.680 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.1	32.6	97.8

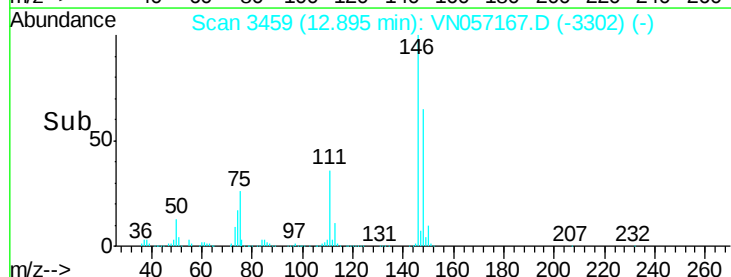
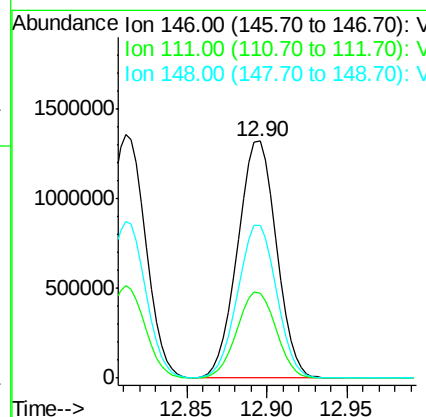
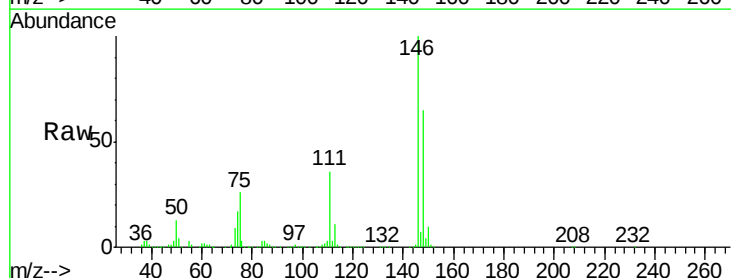
Manual Integrations
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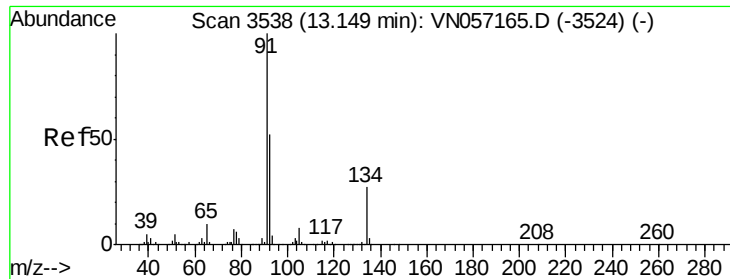
MMDadoda
 8/12/2019 3:55:33 PM



#84
 1,4-Dichlorobenzene
 Concen: 115.526 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	64.4	32.3	96.9





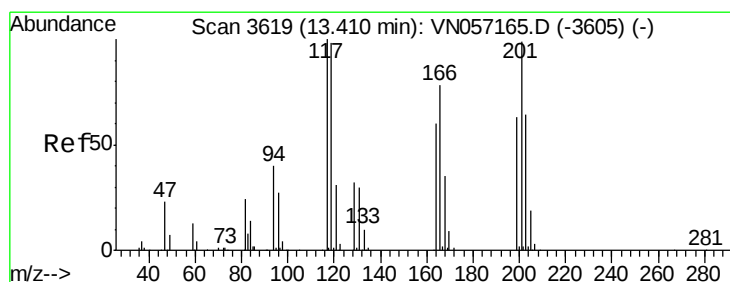
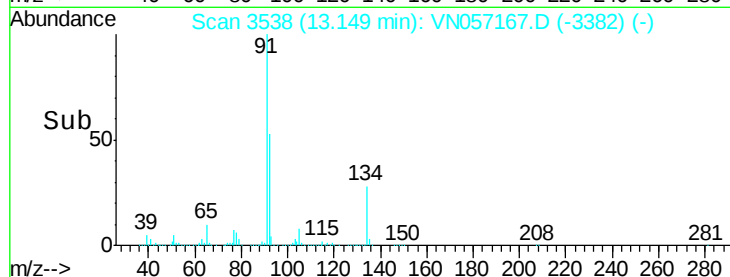
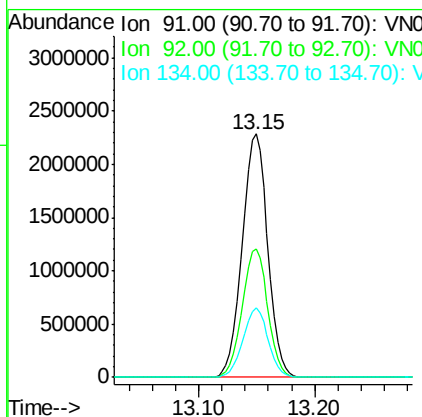
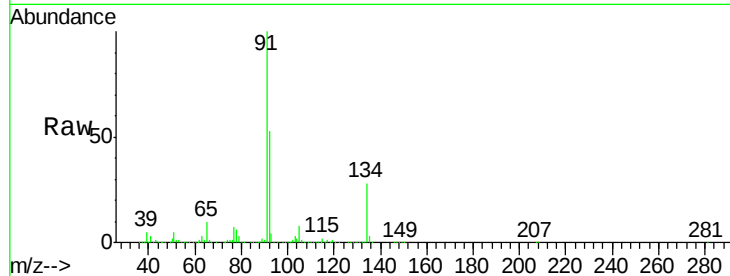
#85
n-Butylbenzene
Concen: 112.537 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	104.4
134	28.0	0.0	55.0

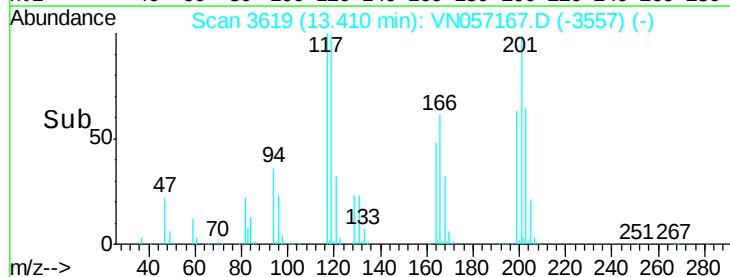
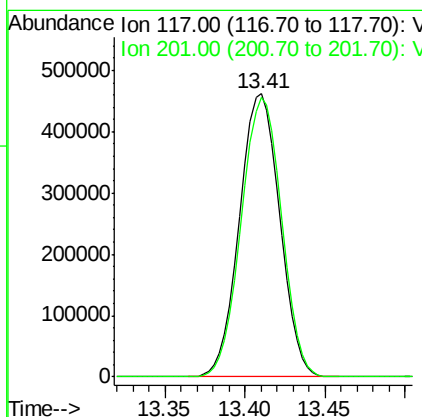
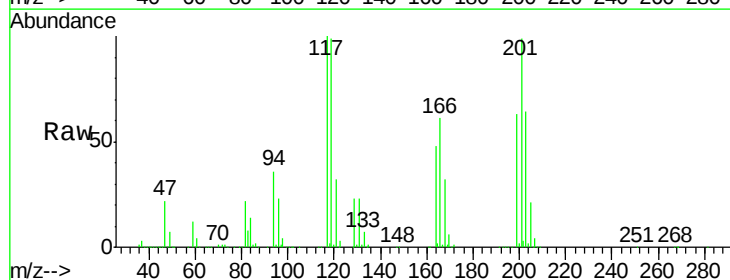
Manual Integrations
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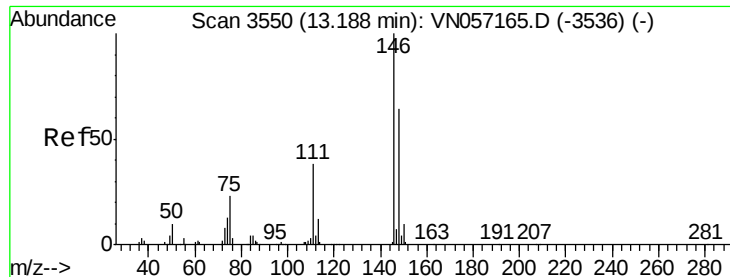
MMDadoda
8/12/2019 3:55:33 PM



#86
Hexachloroethane
Concen: 102.037 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.7	49.3	147.9





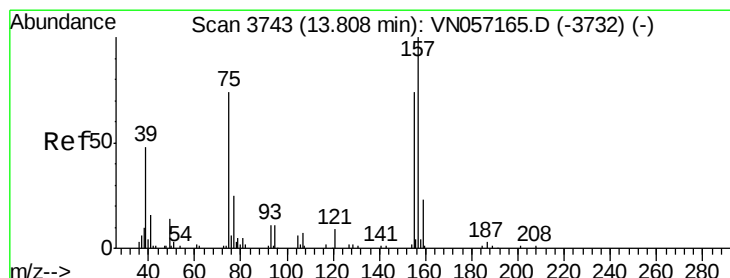
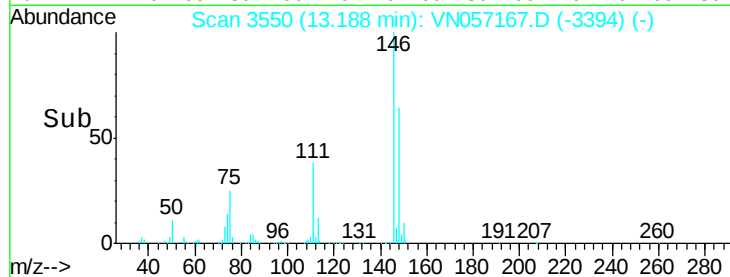
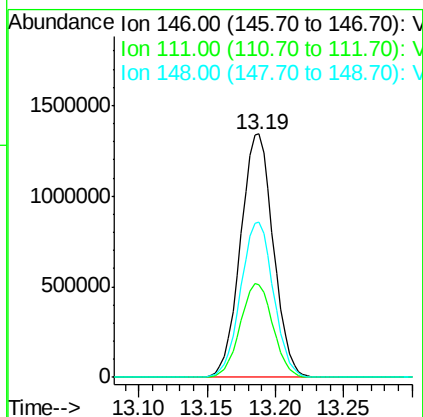
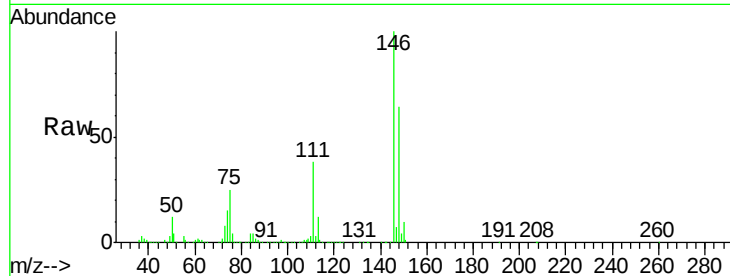
#87
 1,2-Dichlorobenzene
 Concen: 111.222 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	63.9	32.4	97.0

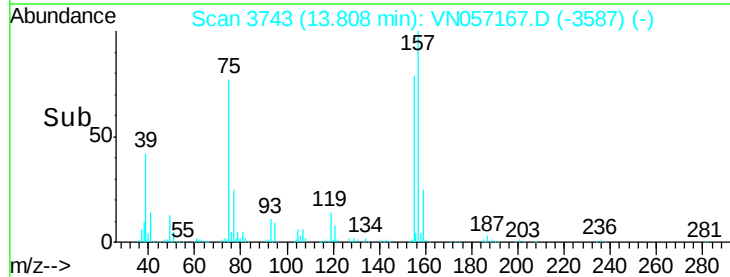
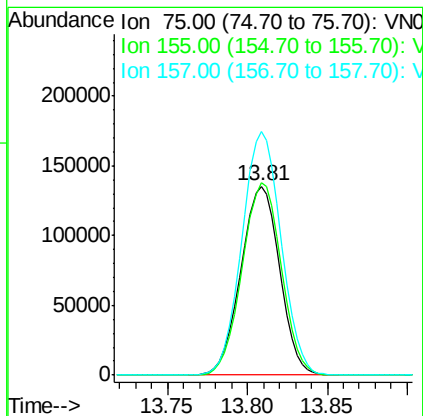
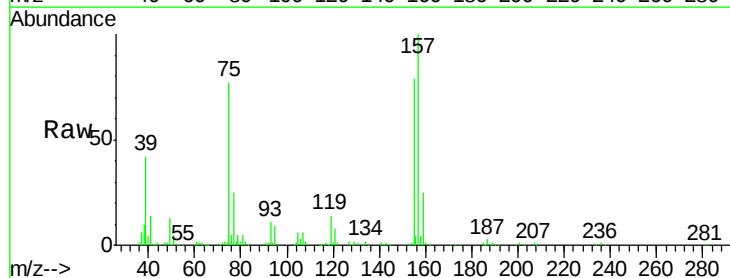
Manual Integrations
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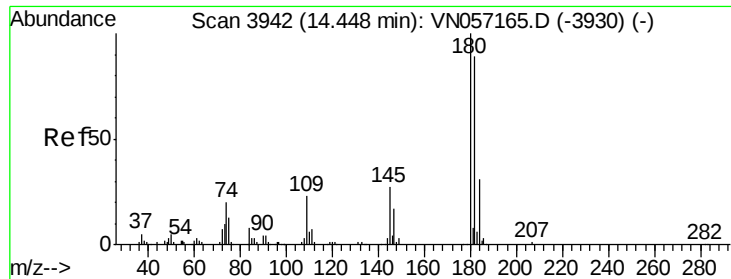
MMDadoda
 8/12/2019 3:55:33 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 113.306 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	80.9	121.3
157	130.3	111.3	166.9





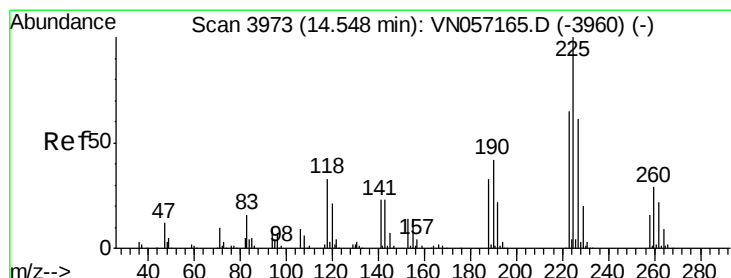
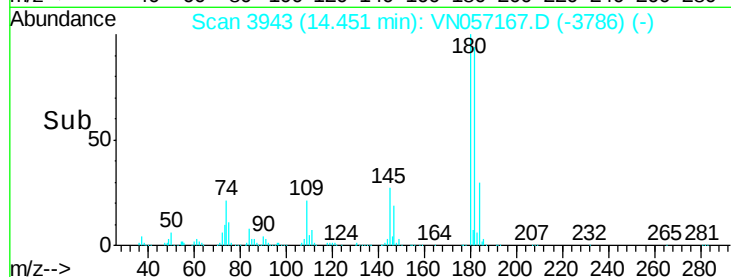
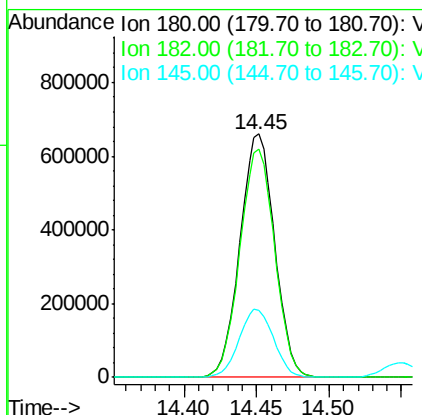
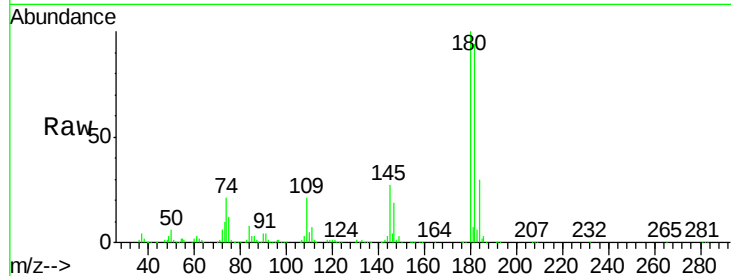
#89
 1,2,4-Trichlorobenzene
 Concen: 135.688 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.6
145	27.9	21.7	32.5

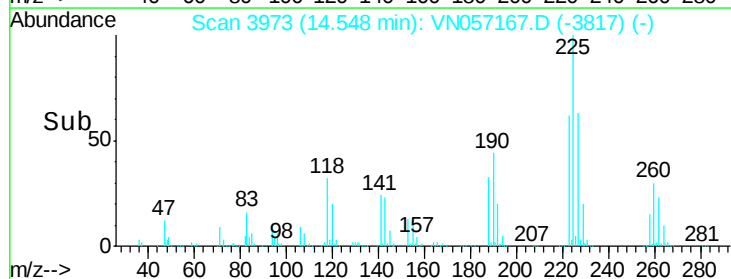
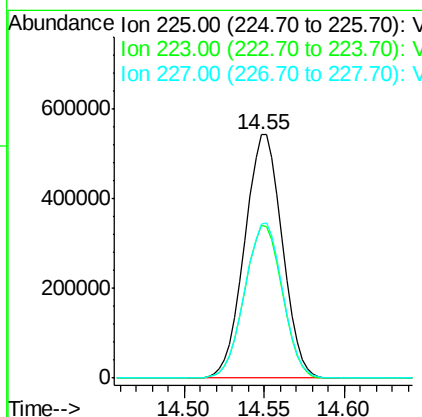
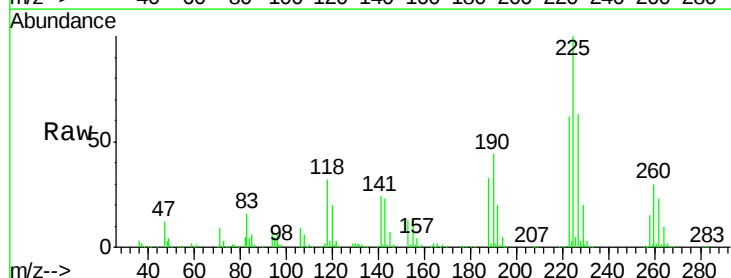
Manual Integrations
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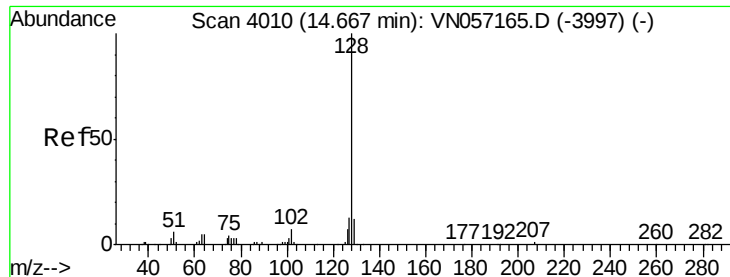
MMDadoda
 8/12/2019 3:55:33 PM



#90
 Hexachlorobutadiene
 Concen: 100.602 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057167.D
 Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	128.0
227	64.2	0.0	125.6





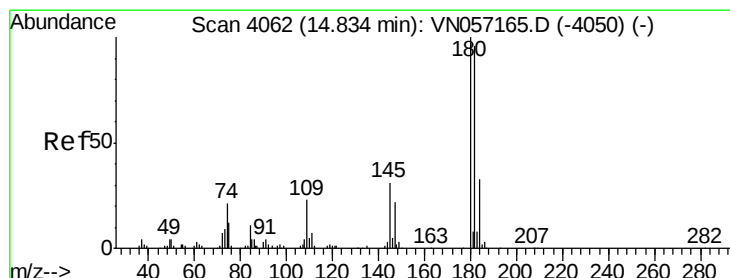
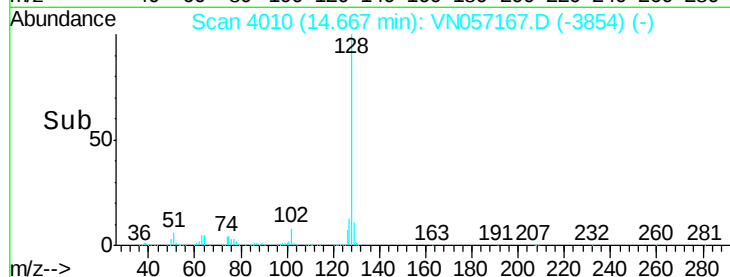
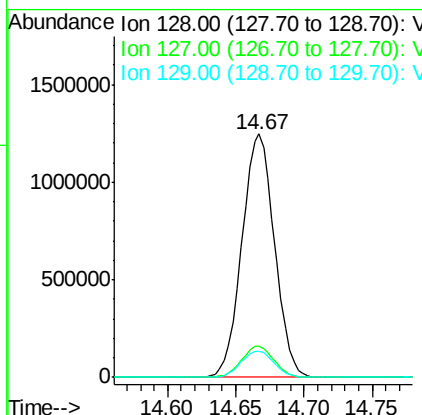
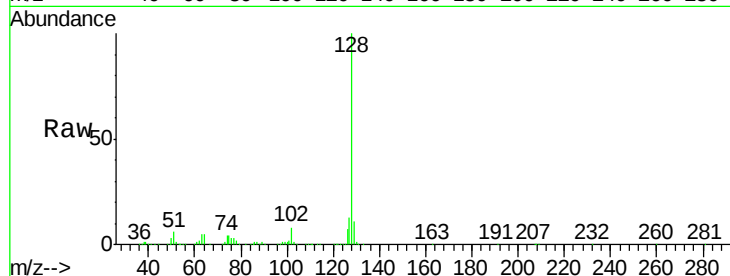
#91
Naphthalene
Concen: 134.988 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:55:33 PM



#92
1,2,3-Trichlorobenzene
Concen: 131.496 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057167.D
Acq: 10 Aug 2019 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	195.8
145	29.6	0.0	61.2

