

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
 Data File : VN057173.D
 Acq On : 10 Aug 2019 13:51
 Operator : JC/SP
 Sample : VN0810WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:55:50 PM

Quant Time: Aug 12 01:14:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	189174	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	1021576	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	887793	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	361387	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.92	95	374987	28.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.57%
63) Toluene-d8	9.56	98	1242757	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	204549	19.824 ug/l	97
3) Chloromethane	2.00	50	240621	20.131 ug/l	99
4) Vinyl Chloride	2.11	62	235969	19.406 ug/l	98
5) Bromomethane	2.44	94	176053	20.325 ug/l	100
6) Chloroethane	2.55	64	153989	19.529 ug/l	100
7) Trichlorofluoromethane	2.83	101	349533	19.278 ug/l	98
8) Diethyl Ether	3.14	74	130891	19.369 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	207347	18.906 ug/l	99
10) 1,1-Dichloroethene	3.43	96	208463	19.224 ug/l	99
11) Methyl Iodide	3.63	142	315571	18.650 ug/l	99
12) Methyl Acetate	3.89	43	210503	18.635 ug/l	99
13) Acrolein	3.31	56	120297	96.567 ug/l	99
14) Acrylonitrile	4.45	53	450756	95.645 ug/l	99
15) Acetone	3.47	58	119965	76.699 ug/l	94
16) Carbon Disulfide	3.72	76	546000	18.664 ug/l	99
17) Allyl chloride	3.91	41	292607	18.304 ug/l	99
18) Methylene Chloride	4.10	84	233231	18.972 ug/l	97
19) trans-1,2-Dichloroethene	4.51	96	217362	18.697 ug/l	95
20) Diisopropyl ether	5.32	45	644156	19.757 ug/l	94
21) 1,1-Dichloroethane	5.25	63	390406	19.226 ug/l	99
22) cis-1,2-Dichloroethene	6.21	96	253935	19.192 ug/l	99
23) tert-Butyl Alcohol	4.23	59	124461	80.031 ug/l	# 100
24) Methyl tert-Butyl Ether	4.49	73	623694	19.559 ug/l	100
25) Chloroform	6.76	83	399180	19.118 ug/l	98
26) Cyclohexane	7.07	56	333881	19.234 ug/l	# 99
29) 1,1-Dichloropropene	7.20	75	295313	19.223 ug/l	99
30) 2-Butanone	6.20	43	534877	88.434 ug/l	100
31) 2,2-Dichloropropane	6.21	77	295447	17.987 ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	342874	19.272 ug/l	100
33) Carbon Tetrachloride	7.19	117	302688	19.112 ug/l	99
34) Benzene	7.46	78	911013	19.426 ug/l	99
35) Methacrylonitrile	6.55	41	121498	19.876 ug/l	95
36) 1,2-Dichloroethane	7.54	62	288244	19.240 ug/l	100
37) Trichloroethene	8.27	130	255867	19.201 ug/l	98
38) Methylcyclohexane	8.52	83	351680	19.183 ug/l	100
39) 1,2-Dichloropropane	8.56	63	232744	19.254 ug/l	94
40) Dibromomethane	8.65	93	153785	19.762 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	302912	19.576	ug/l	98
42) Vinyl Acetate	5.27	43	2485894	98.865	ug/l	100
43) Ethyl Acetate	6.28	43	198493	17.794	ug/l #	88
44) Isopropyl Acetate	7.56	43	385071	19.012	ug/l	96
45) 1,4-Dioxane	8.64	88	63712	337.089	ug/l	98
46) Methyl methacrylate	8.64	41	179275	19.414	ug/l	99
47) n-amyl Acetate	11.59	43	271484	18.219	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	314811	19.080	ug/l	98
49) cis-1,3-Dichloropropene	9.30	75	352332	18.838	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	221298	19.897	ug/l	96
51) Ethyl methacrylate	9.90	69	306442	19.524	ug/l	99
52) 1,3-Dichloropropane	10.19	76	365076	19.693	ug/l	100
53) Dibromochloromethane	10.39	129	241700	19.286	ug/l	99
54) 1,2-Dibromoethane	10.50	107	229673	19.782	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	380708	85.905	ug/l	99
56) Bromoform	11.64	173	173016	18.682	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1133340	99.373	ug/l	99
59) 2-Hexanone	10.24	43	758439	92.498	ug/l	99
61) Tetrachloroethene	10.11	164	261013	19.155	ug/l	97
62) Toluene	9.63	91	992281	19.636	ug/l	100
64) Chlorobenzene	10.93	112	608282	19.571	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.01	131	236097	19.808	ug/l	99
66) Ethyl Benzene	11.01	91	1061702	19.600	ug/l	99
67) m/p-Xylenes	11.13	106	787041	38.528	ug/l	100
68) o-Xylene	11.46	106	391316	19.731	ug/l	98
69) Styrene	11.47	104	591188	18.590	ug/l	99
70) Isopropylbenzene	11.76	105	1035245	19.388	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	292854	20.026	ug/l	99
72) 1,2,3-Trichloropropane	12.08	75	226412m	17.690	ug/l	
73) Bromobenzene	12.04	156	258010	18.635	ug/l	98
74) n-propylbenzene	12.11	91	1031640	18.404	ug/l	100
75) 2-Chlorotoluene	12.20	91	655806	18.915	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	866796	19.280	ug/l	88
77) t-1,4-Dichloro-2-butene	11.82	75	74930	17.396	ug/l	97
78) 4-Chlorotoluene	12.30	91	580269	18.021	ug/l	100
79) tert-butylbenzene	12.52	119	773854	19.529	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	813015	19.176	ug/l	98
81) sec-Butylbenzene	12.70	105	930978	18.633	ug/l	99
82) p-Isopropyltoluene	12.82	119	807554	18.152	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	359119	17.034	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	329055	16.779	ug/l	99
85) n-Butylbenzene	13.15	91	584012	18.155	ug/l	99
86) Hexachloroethane	13.41	117	144056	17.808	ug/l	98
87) 1,2-Dichlorobenzene	13.19	146	367945	17.599	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.81	75	35428	17.267	ug/l	92
89) 1,2,4-Trichlorobenzene	14.45	180	104476	17.356	ug/l	100
90) Hexachlorobutadiene	14.55	225	156901	17.407	ug/l	99
91) Naphthalene	14.67	128	195819	12.339	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	112954	18.458	ug/l	96

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QLast Update : Sun Aug 11 03:53:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

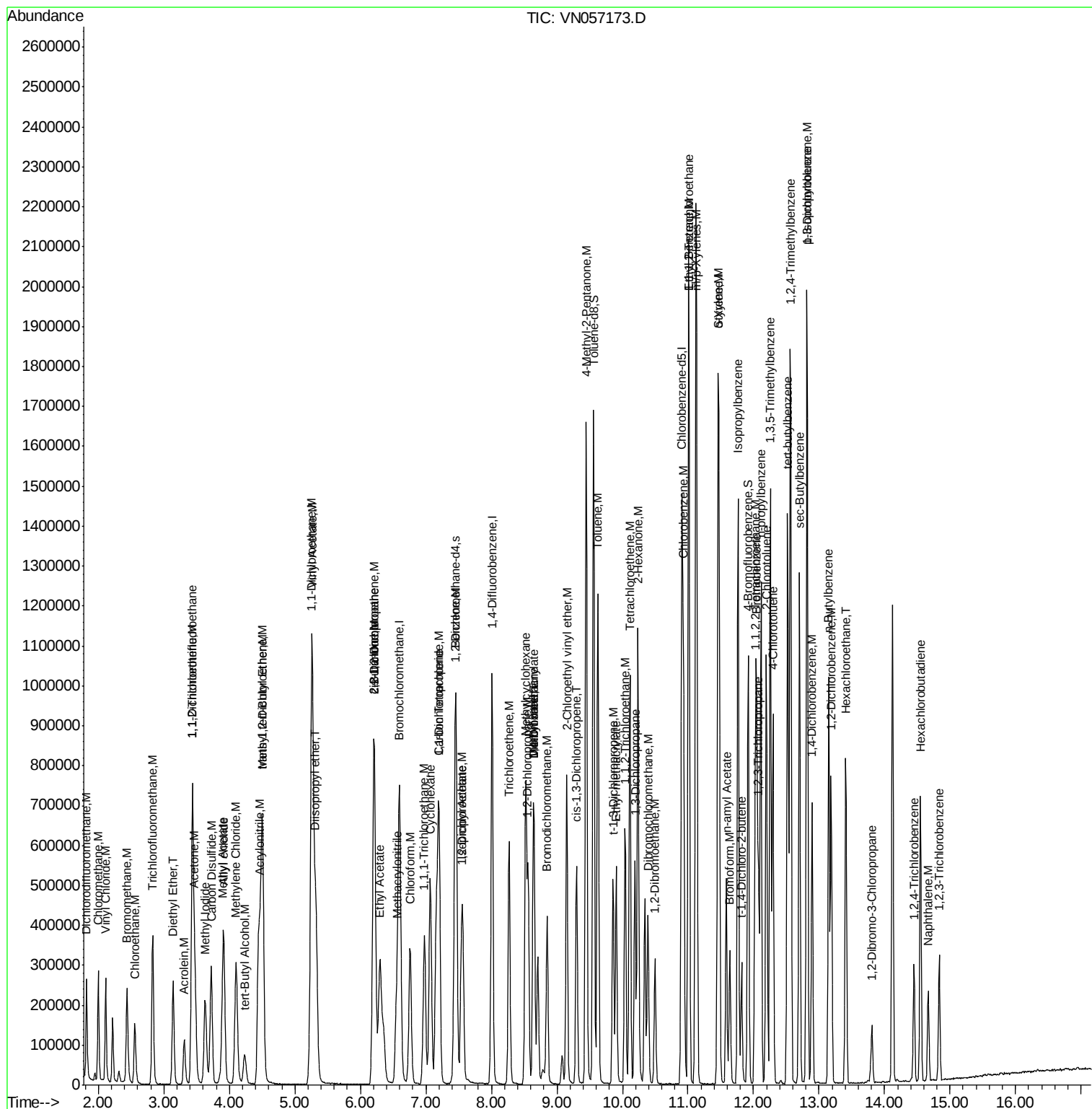
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
Data File : VN057173.D
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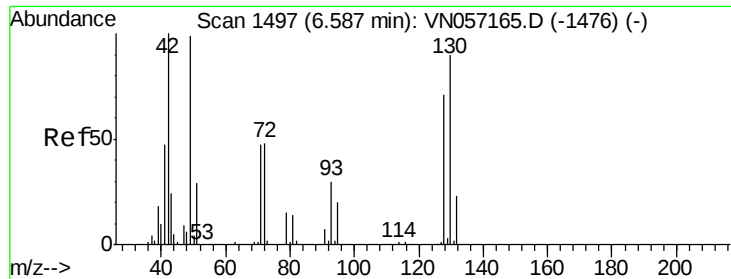
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Manual Integrations
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8/12/2019 3:55:50 PM

Quant Time: Aug 12 01:14:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
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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: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

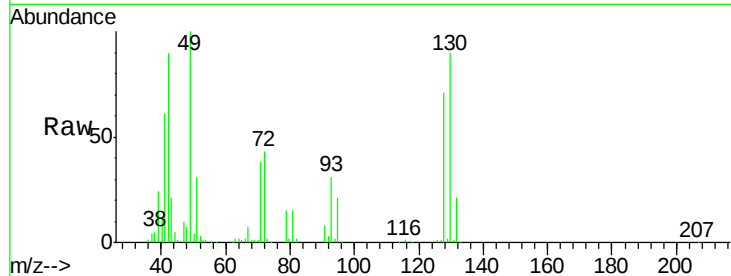
ClientSampleId :

VN0810WBS01

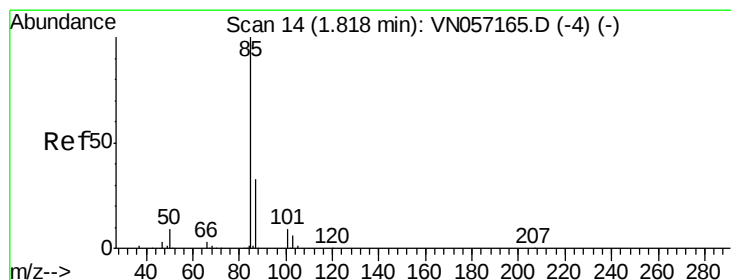
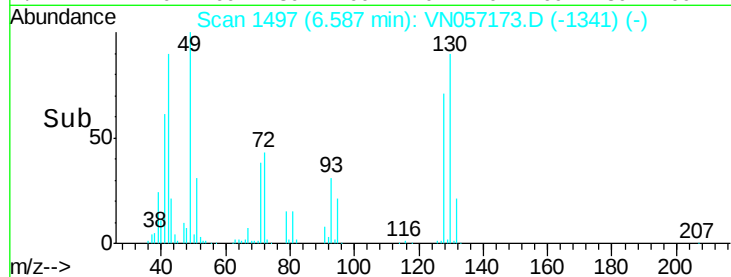
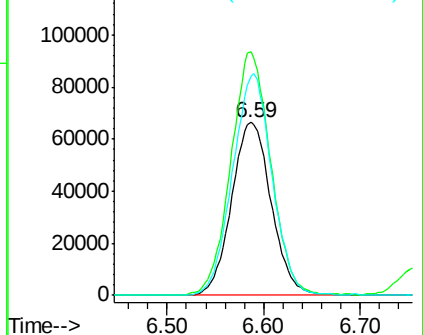
Tot Ion:	128	Resp:	189174
Ion	Ratio	Lower	Upper
128	100		
49	141.3	0.0	361.0
130	127.7	0.0	329.5

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.824 ug/l

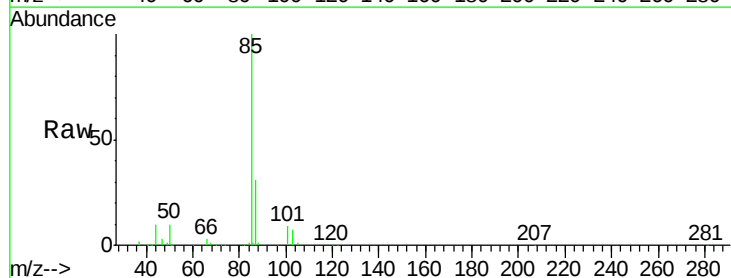
RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

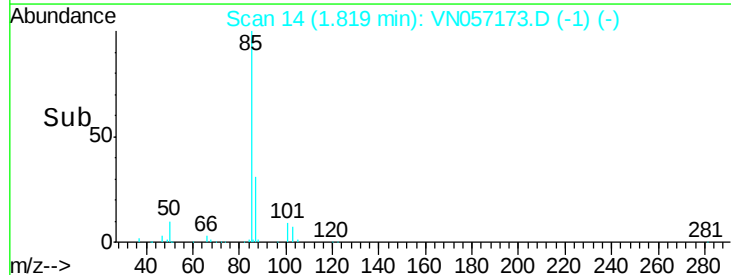
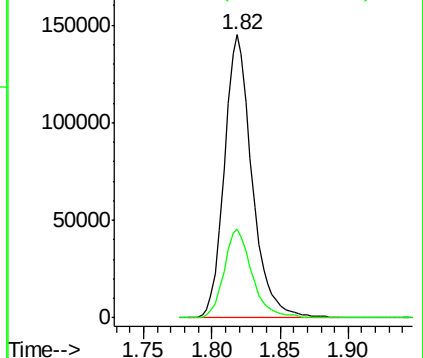
Lab File: VN057173.D

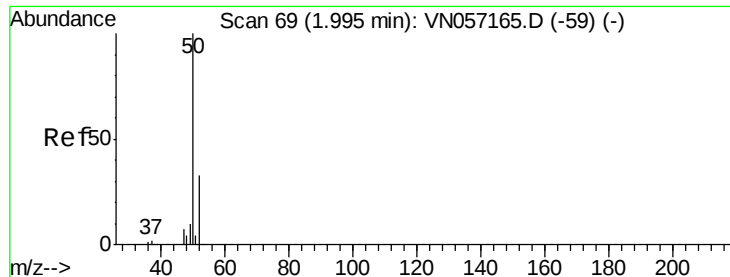
Acq: 10 Aug 2019 13:51

Tgt Ion:	85	Resp:	204549
Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.5	49.5



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.131 ug/l

RT: 2.00 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 50 Resp: 240621

Ion Ratio Lower Upper

50 100

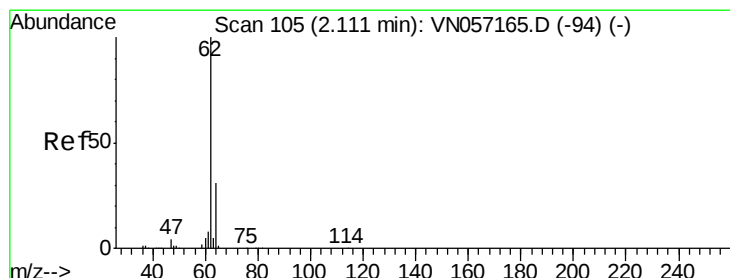
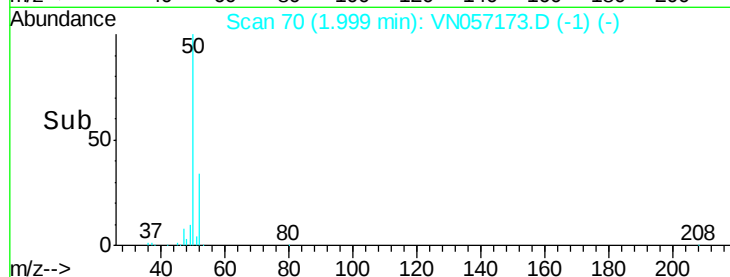
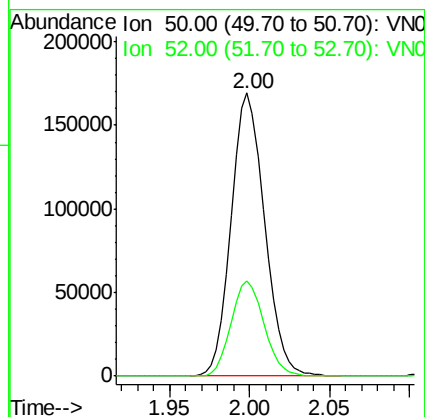
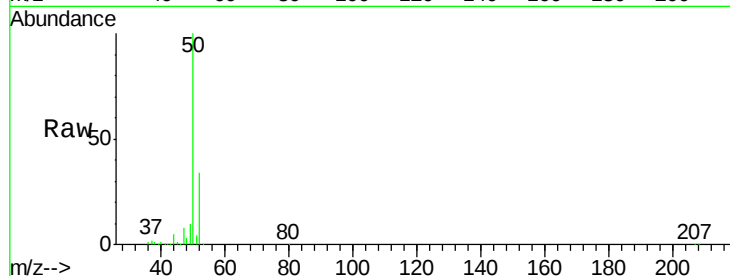
52 33.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.406 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057173.D

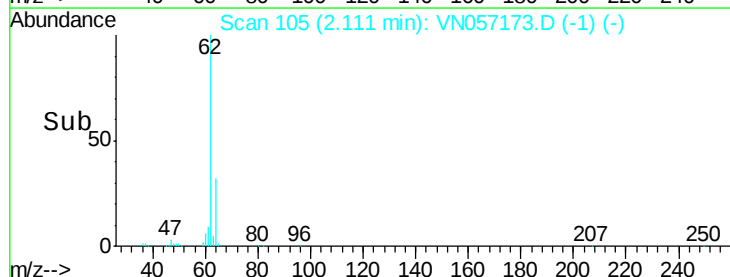
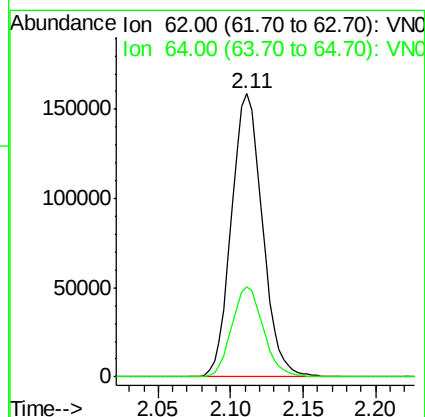
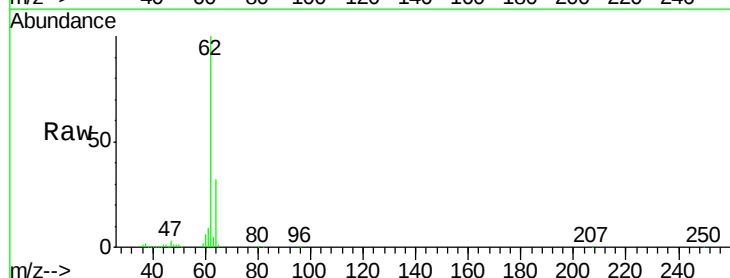
Acq: 10 Aug 2019 13:51

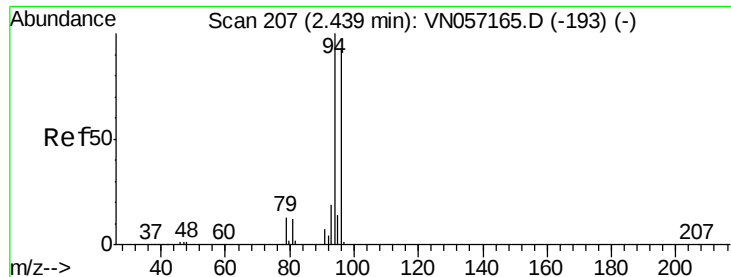
Tgt Ion: 62 Resp: 235969

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 20.325 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

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Tot Ion: 94 Resp: 176053

Ion Ratio Lower Upper

94 100

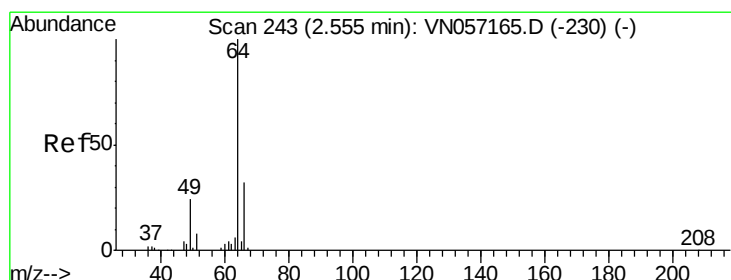
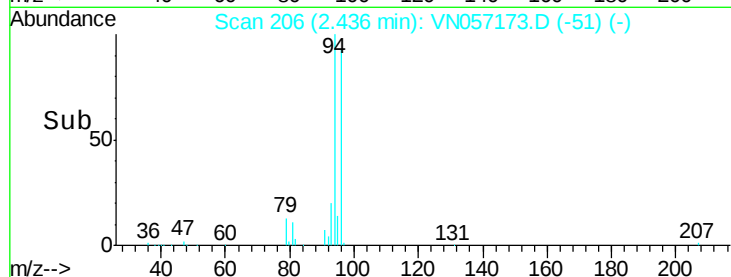
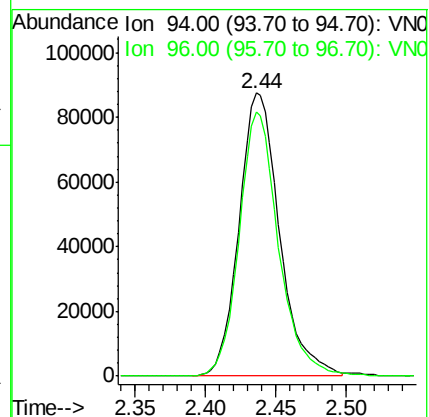
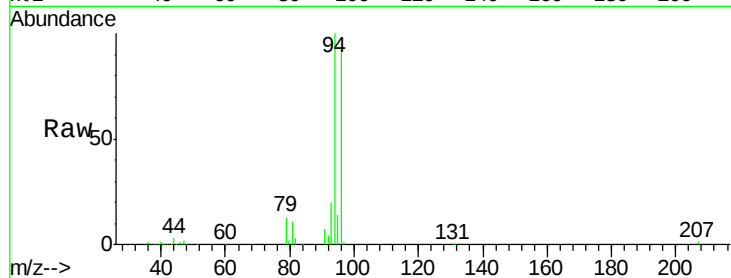
96 93.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.529 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN057173.D

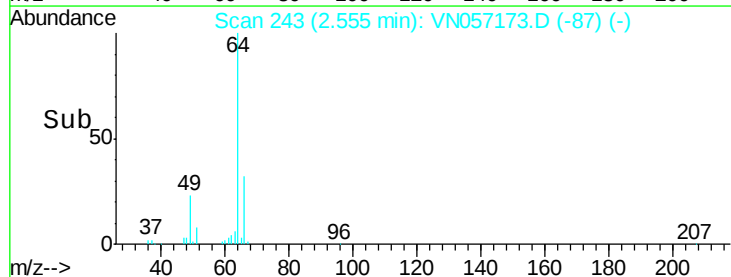
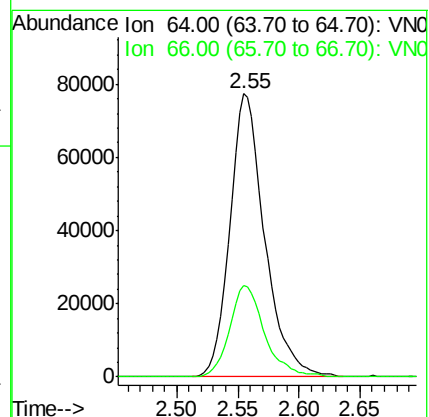
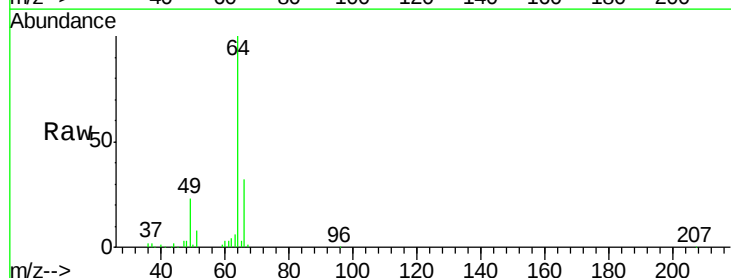
Acq: 10 Aug 2019 13:51

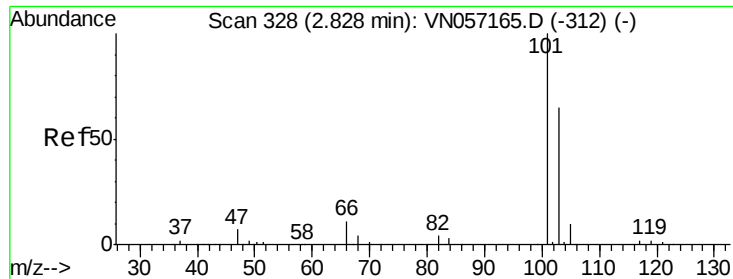
Tgt Ion: 64 Resp: 153989

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.6





#7

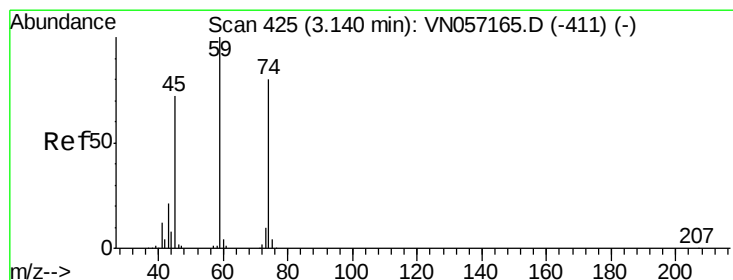
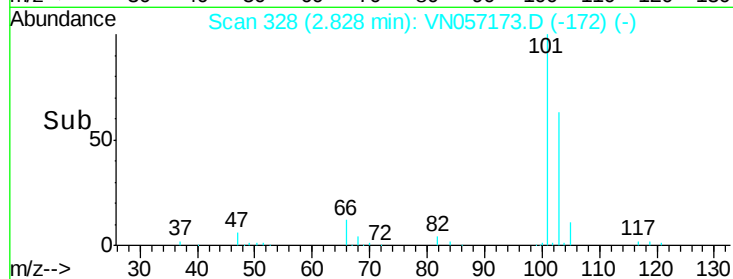
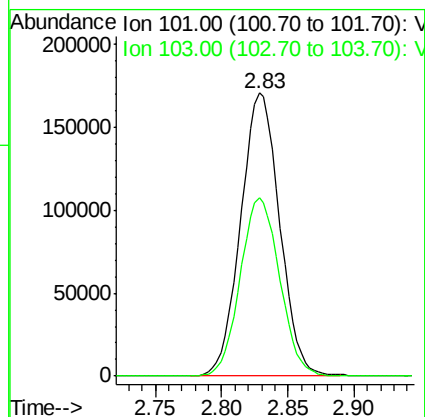
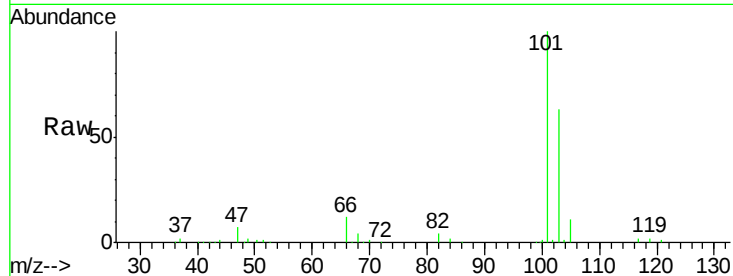
Trichlorofluoromethane
Concen: 19.278 ug/l
RT: 2.83 min Scan# 328
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
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ClientSampleId :
VN0810WBS01

Tot Ion:101 Resp: 349533
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.8

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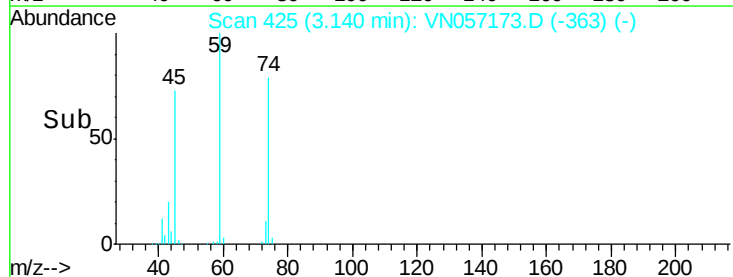
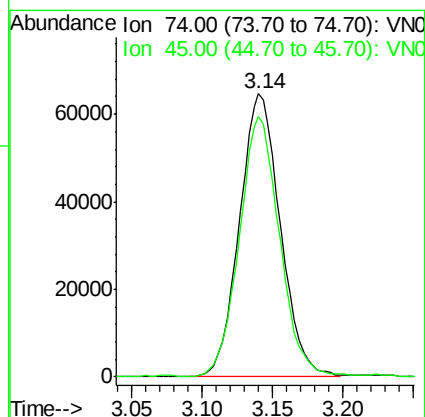
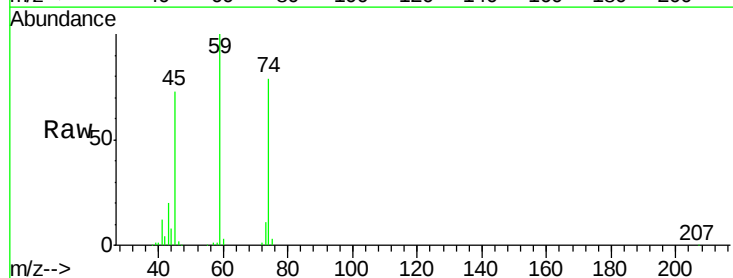
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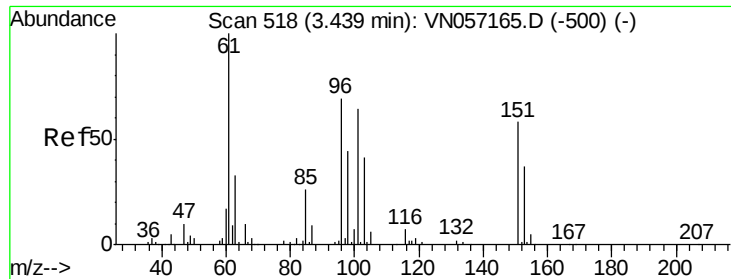


#8

Diethyl Ether
Concen: 19.369 ug/l
RT: 3.14 min Scan# 425
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 74 Resp: 130891
Ion Ratio Lower Upper
74 100
45 89.8 17.9 161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.906 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

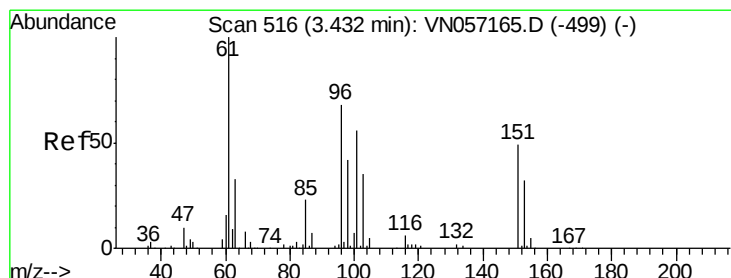
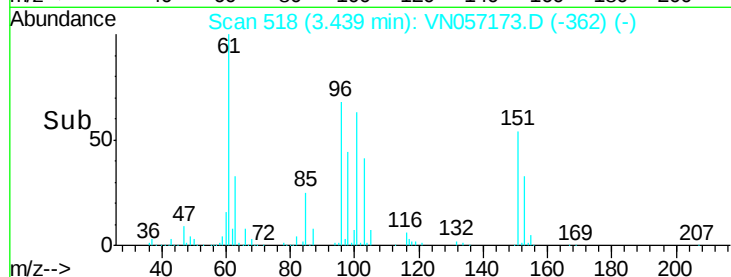
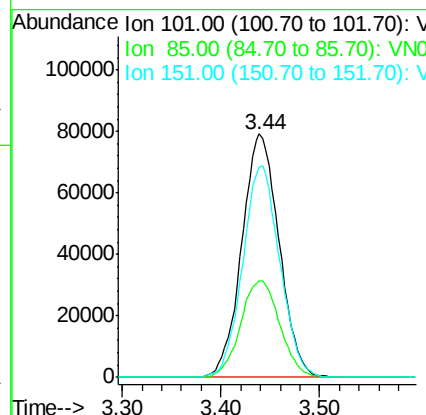
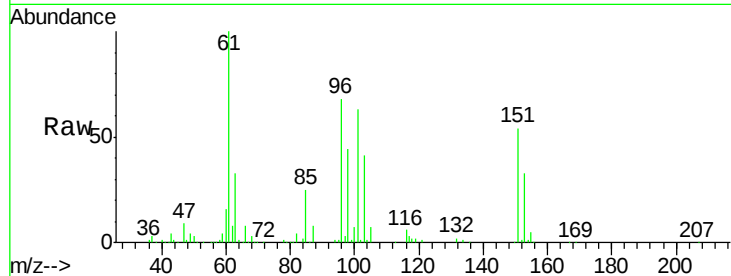
ClientSampleId :

VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	207347		
85	41.6	0.0	84.4	
151	86.4	0.0	175.0	

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.224 ug/l

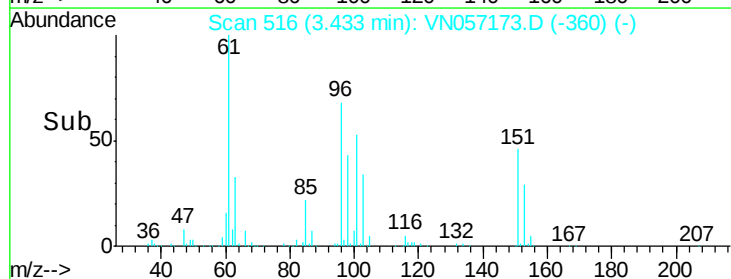
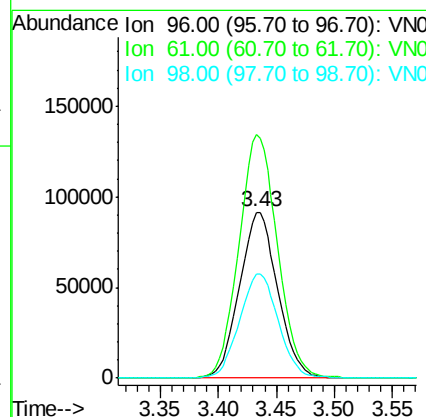
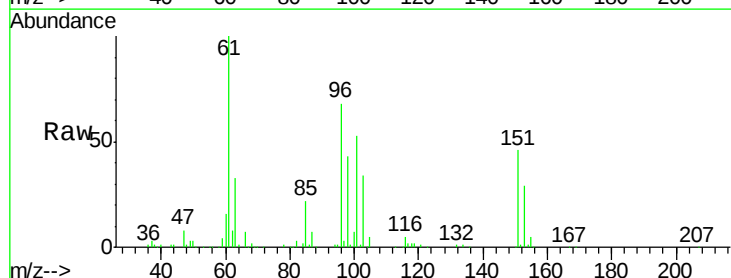
RT: 3.43 min Scan# 516

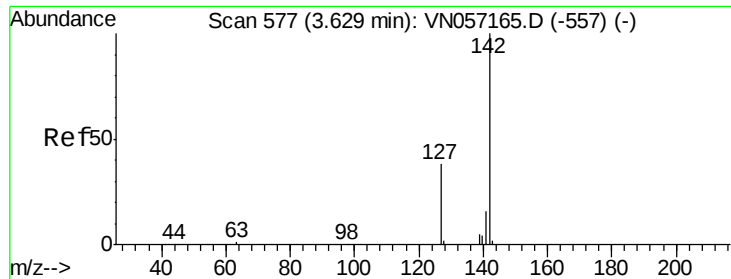
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	208463		
61	146.7	118.2	177.2	
98	63.0	49.3	73.9	





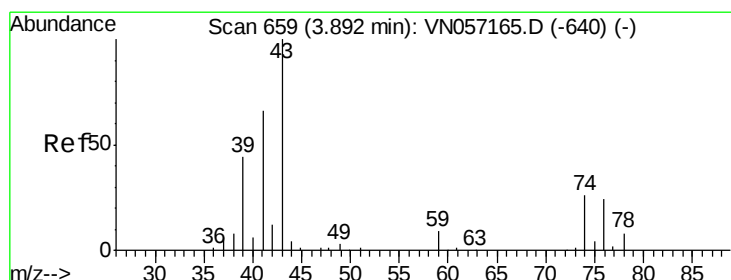
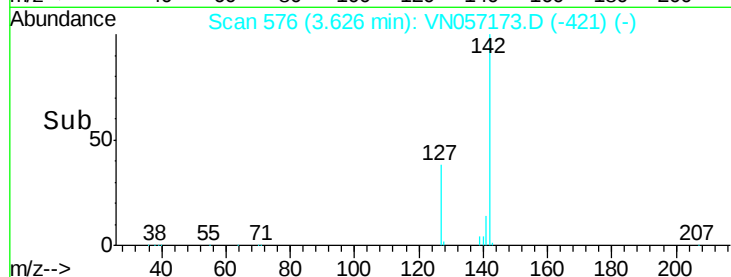
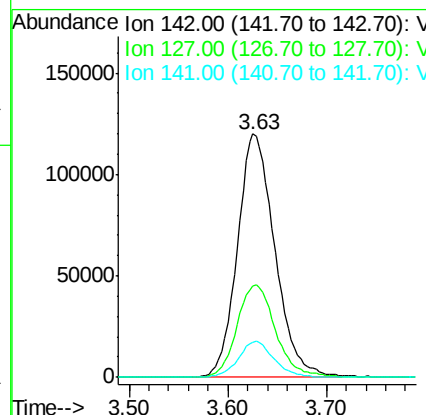
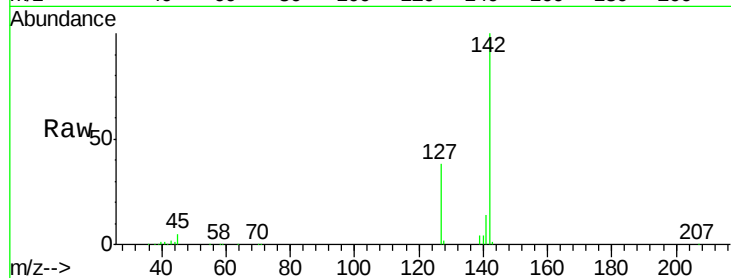
#11
Methvl Iodide
Concen: 18.650 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.6	19.0	57.0
141	14.4	7.8	23.5

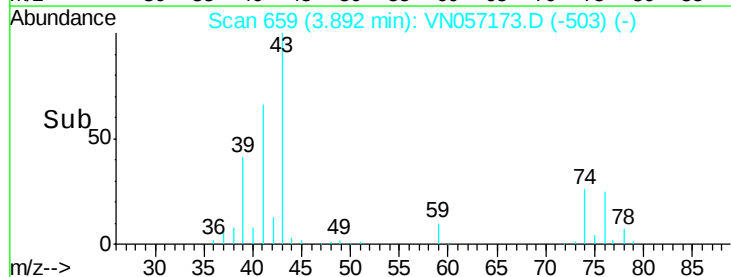
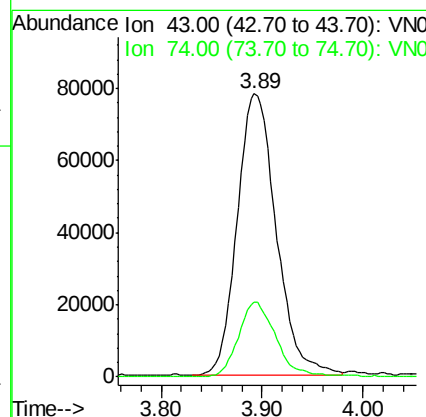
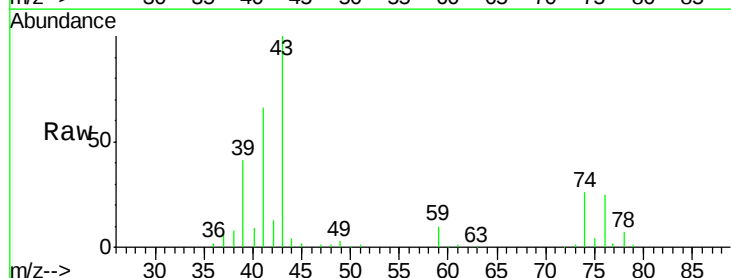
Manual Integrations
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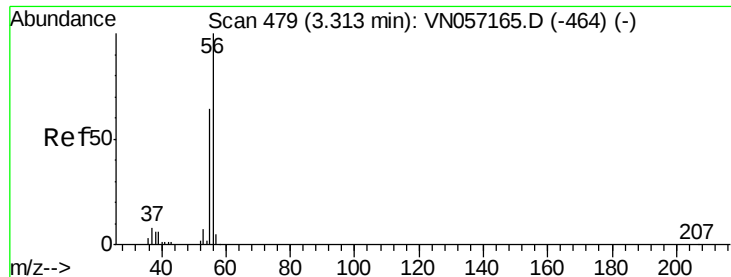
MMDadoda
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#12
Methyl Acetate
Concen: 18.635 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.5	30.7





#13

Acrolein

Concen: 96.567 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 56 Resp: 120297

Ion Ratio Lower Upper

56 100

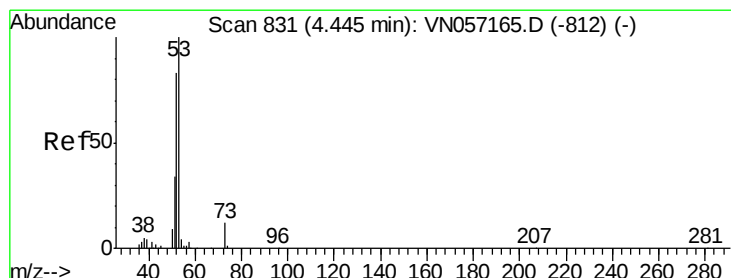
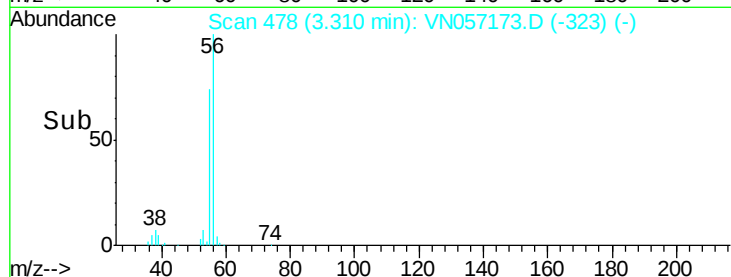
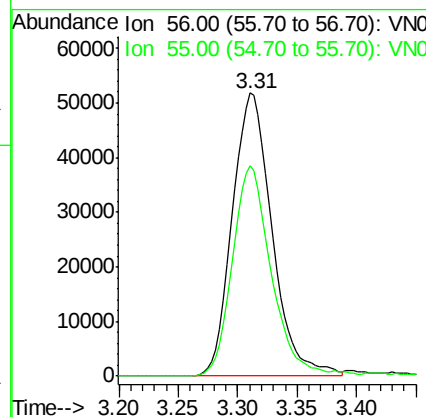
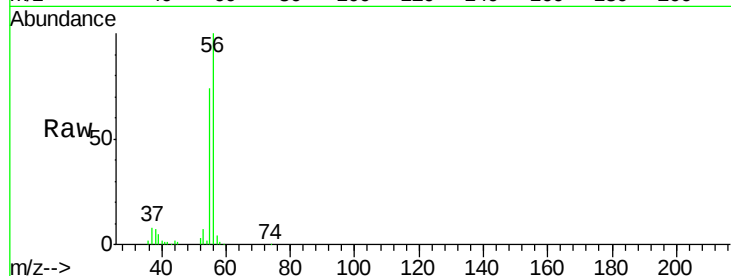
55 71.7 56.5 84.7

Manual Integrations

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#14

Acrylonitrile

Concen: 95.645 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

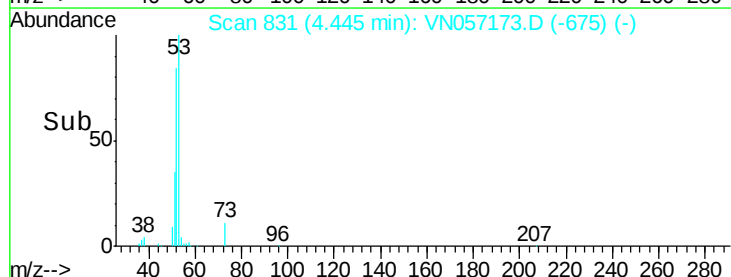
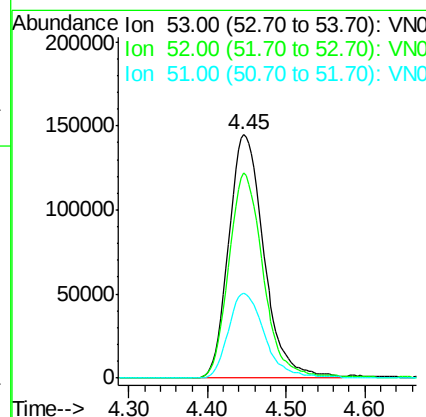
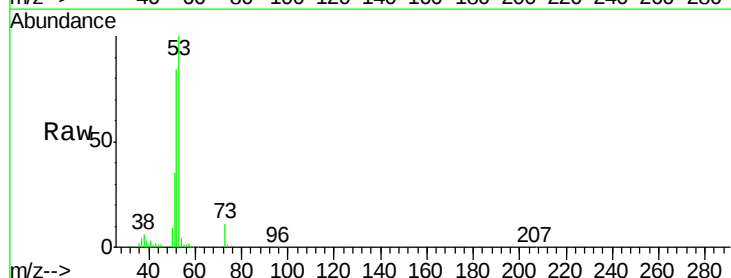
Tgt Ion: 53 Resp: 450756

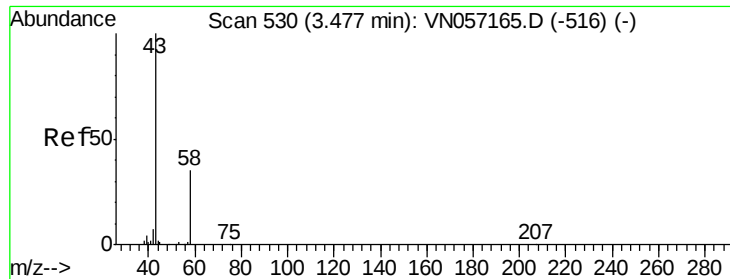
Ion Ratio Lower Upper

53 100

52 82.2 41.1 123.4

51 35.7 17.4 52.3





#15

Acetone

Concen: 76.699 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 58 Resp: 119965

Ion Ratio Lower Upper

58 100

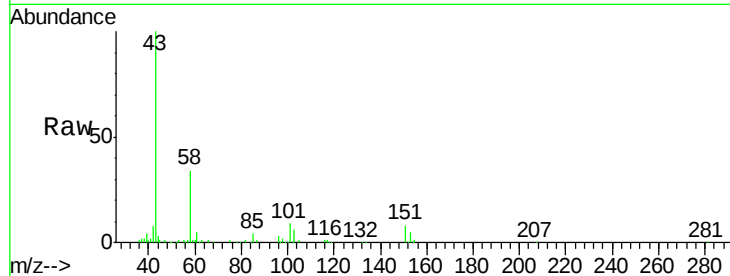
43 294.2 226.2 339.2

Manual Integrations

APPROVED

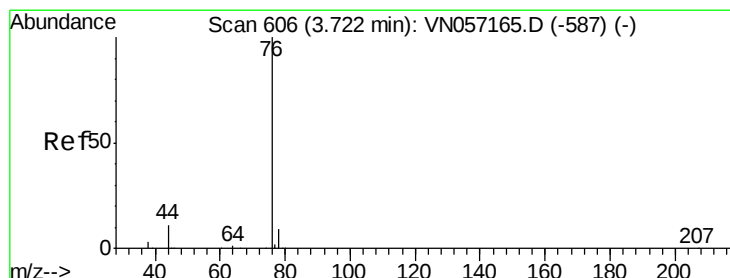
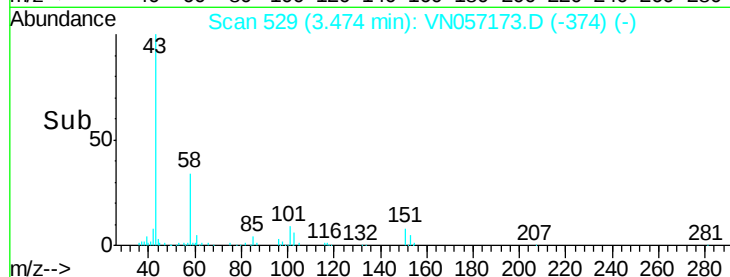
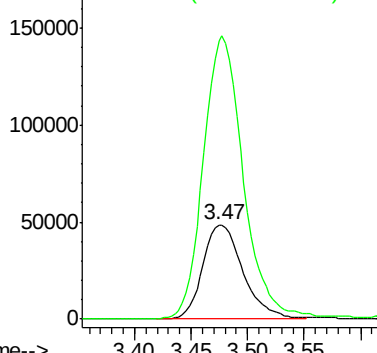
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.664 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057173.D

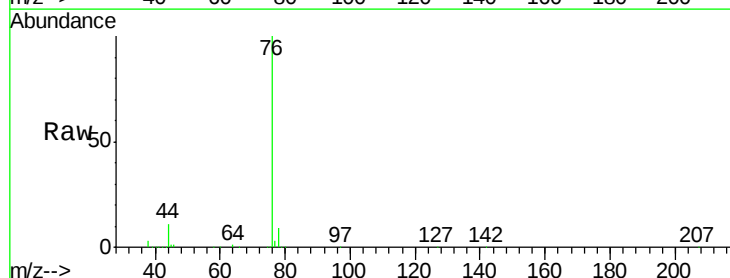
Acq: 10 Aug 2019 13:51

Tgt Ion: 76 Resp: 546000

Ion Ratio Lower Upper

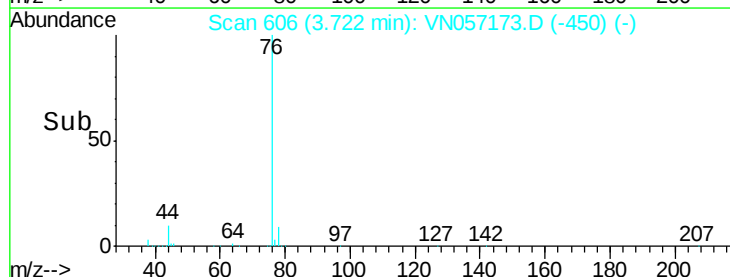
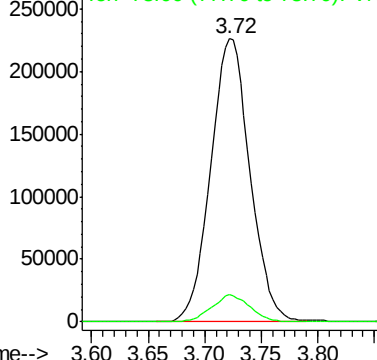
76 100

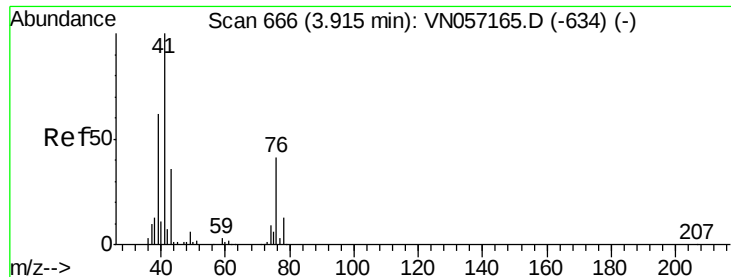
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.304 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

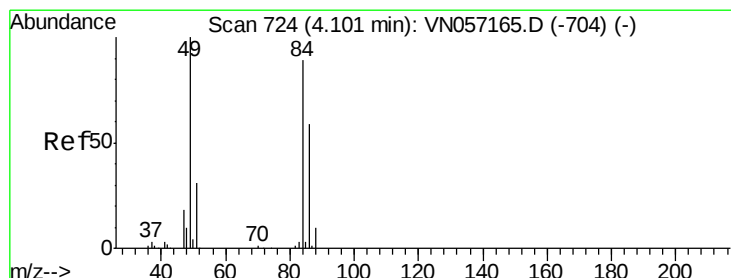
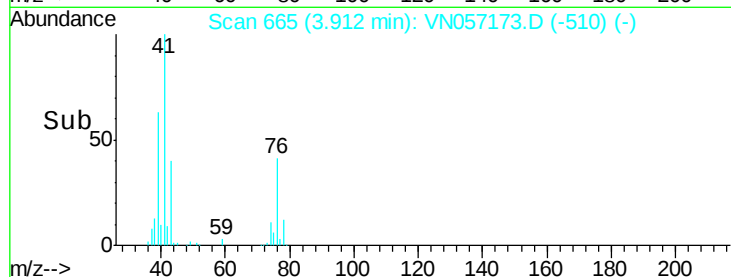
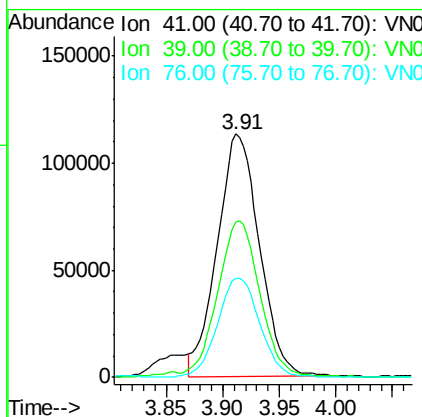
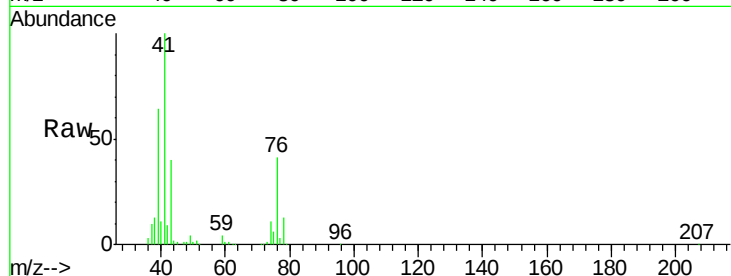
ClientSampleId :

VN0810WBS01

Tot Ion:	41	Resp:	292607
Ion Ratio		Lower	Upper
41	100		
39	63.5	31.2	93.6
76	40.9	20.5	61.6

Manual Integrations
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#18

Methylene Chloride

Concen: 18.972 ug/l

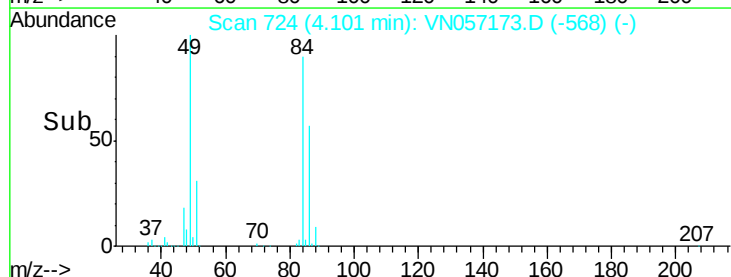
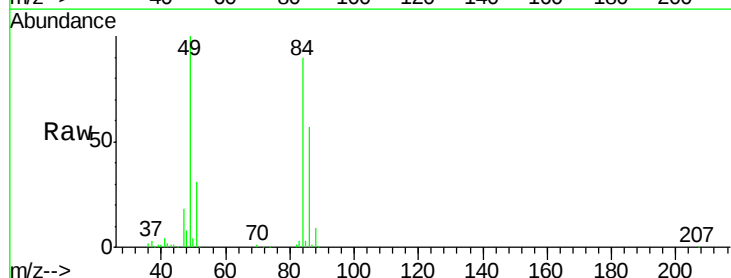
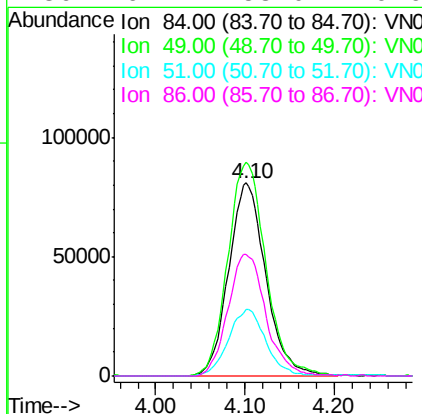
RT: 4.10 min Scan# 724

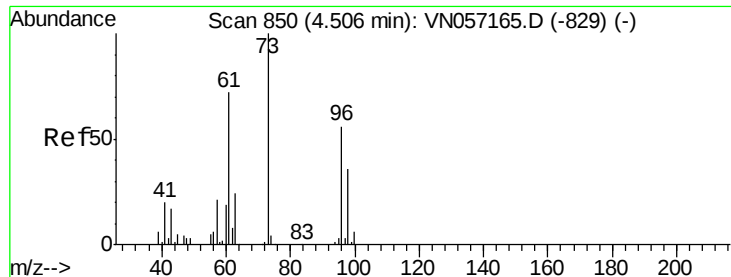
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	84	Resp:	233231
Ion Ratio		Lower	Upper
84	100		
49	110.3	90.1	135.1
51	34.2	27.9	41.9
86	62.7	53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 18.697 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

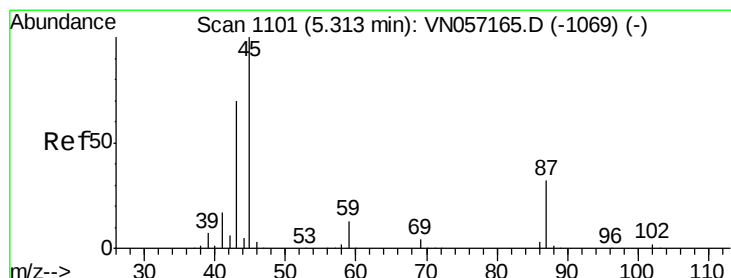
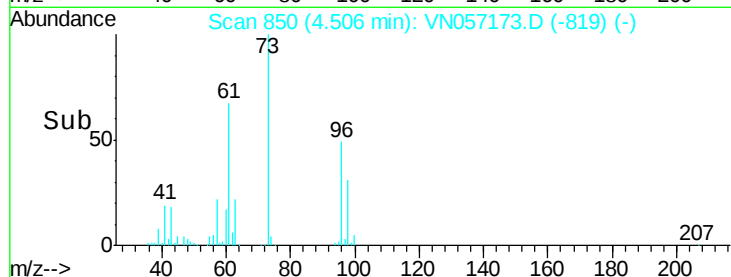
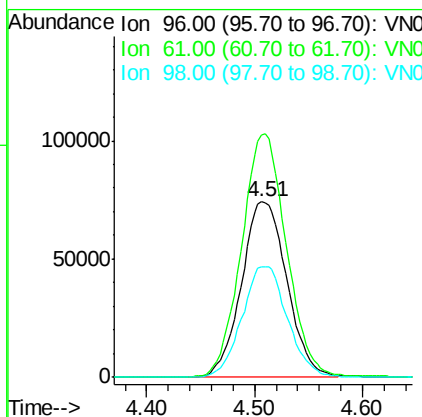
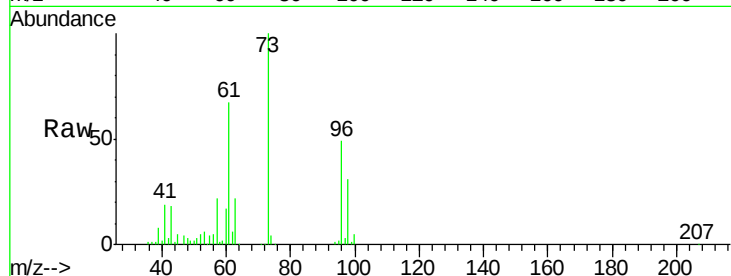
ClientSampled :

VN0810WBS01

Tot Ion:	96	Resp:	217362
Ion	Ratio	Lower	Upper
96	100		
61	137.4	103.6	155.4
98	63.0	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.757 ug/l

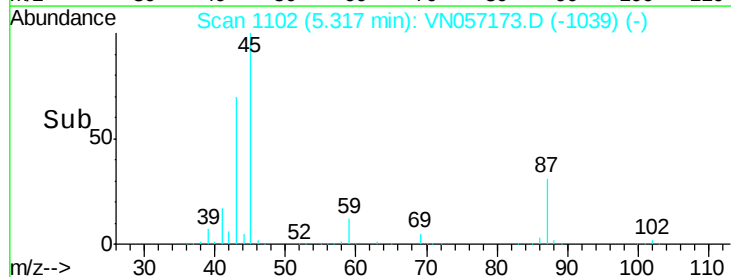
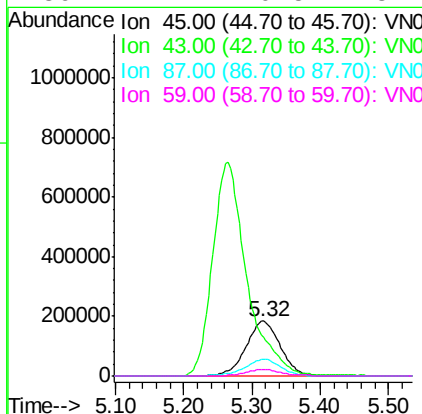
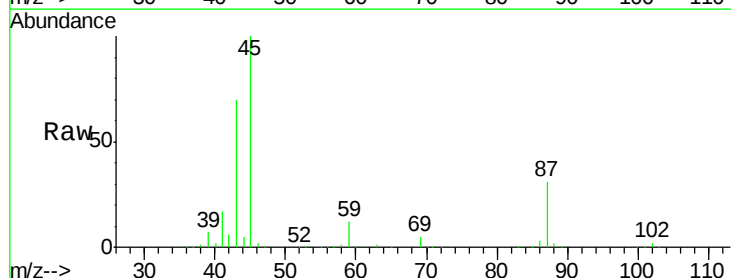
RT: 5.32 min Scan# 1102

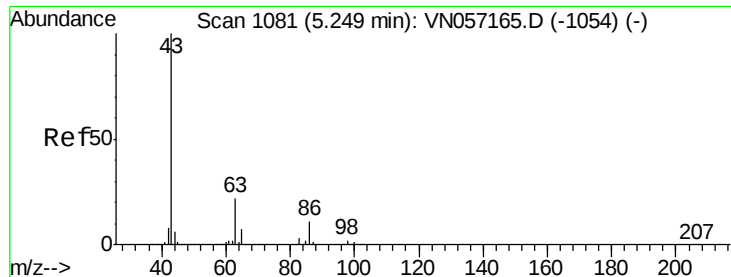
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	45	Resp:	644156
Ion	Ratio	Lower	Upper
45	100		
43	68.7	60.0	90.0
87	30.5	25.9	38.9
59	12.2	10.5	15.7





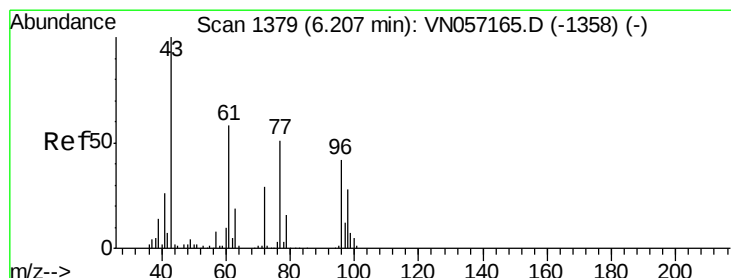
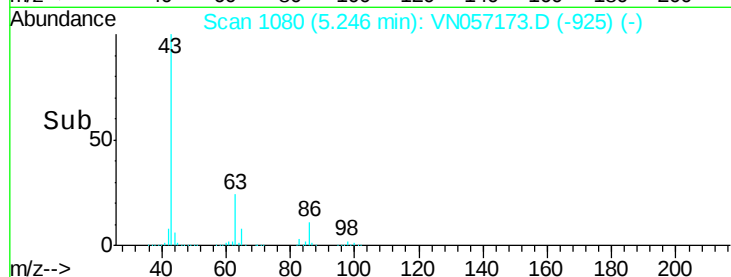
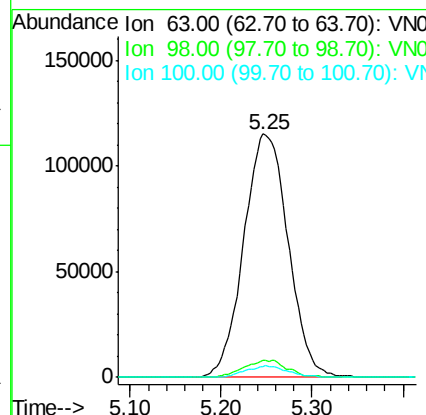
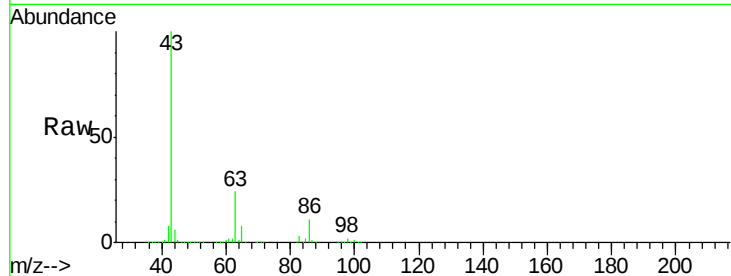
#21
 1,1-Dichloroethane
 Concen: 19.226 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.9	3.5	10.4
100	4.6	1.9	5.7

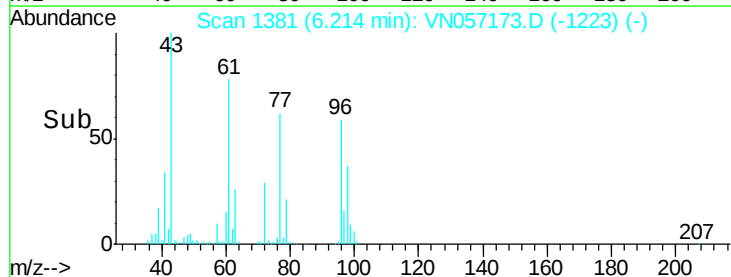
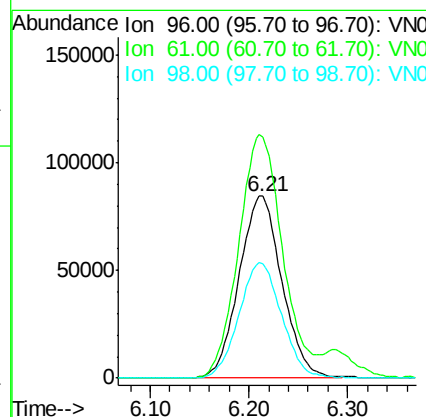
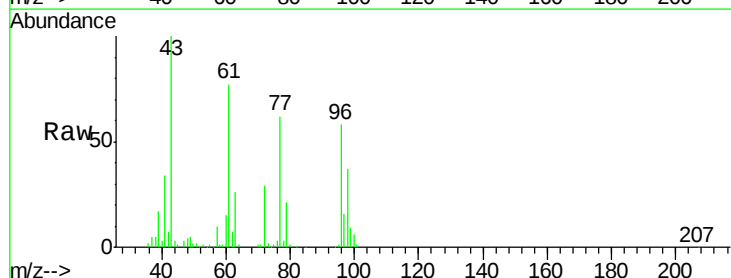
Manual Integrations
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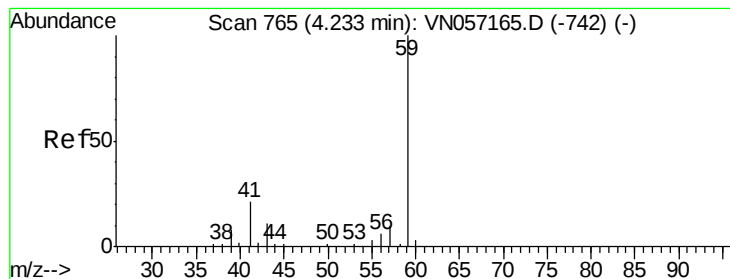
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 8/12/2019 3:55:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.192 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	137.0	109.2	163.8
98	63.2	51.7	77.5





#23

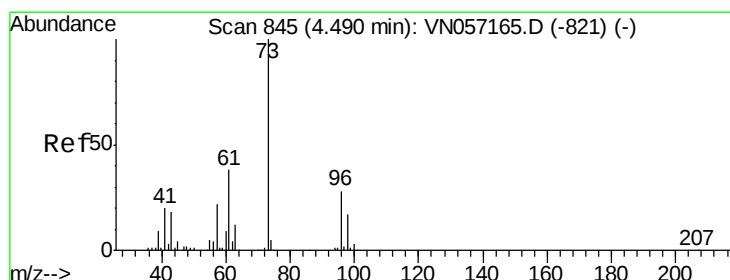
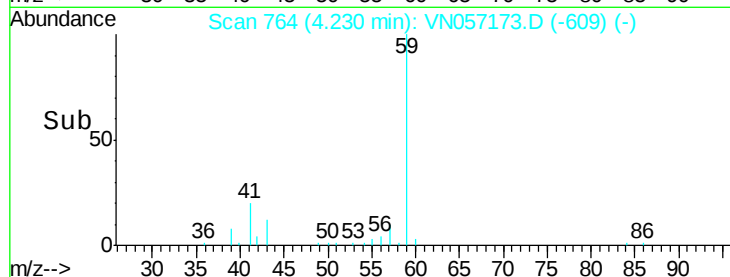
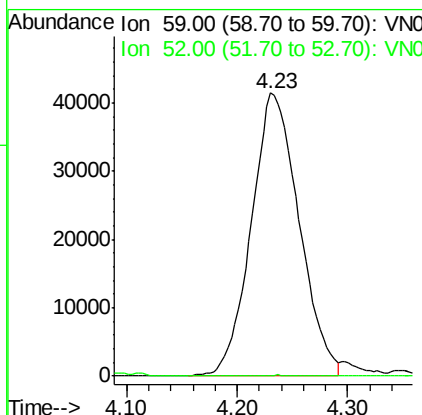
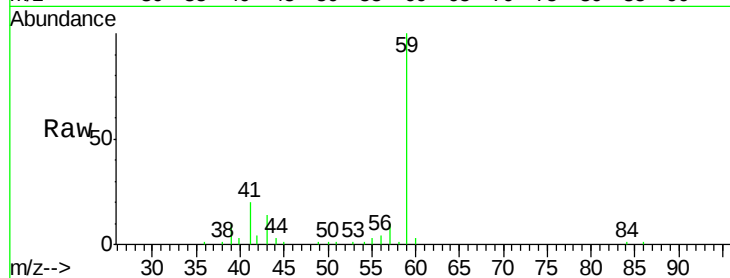
tert-Butyl Alcohol
 Concen: 80.031 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

Manual Integrations
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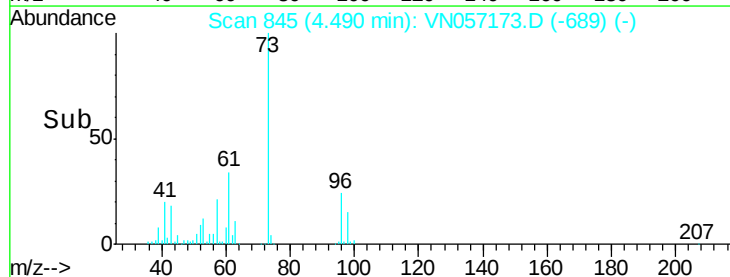
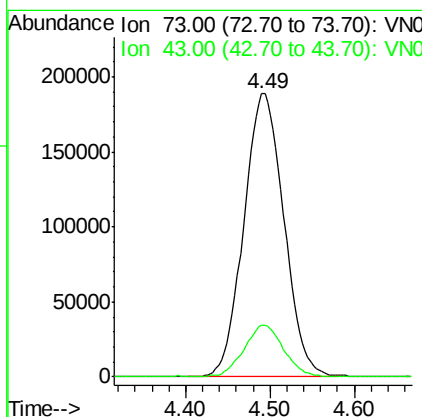
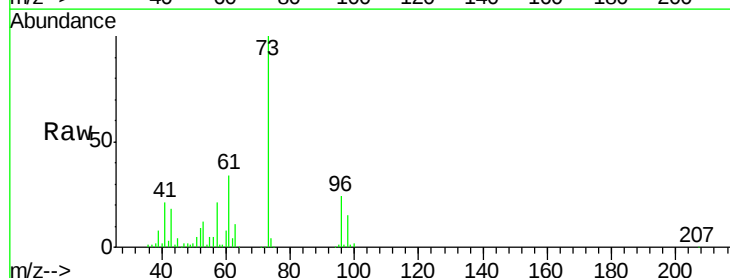
MMDadoda
 8/12/2019 3:55:50 PM

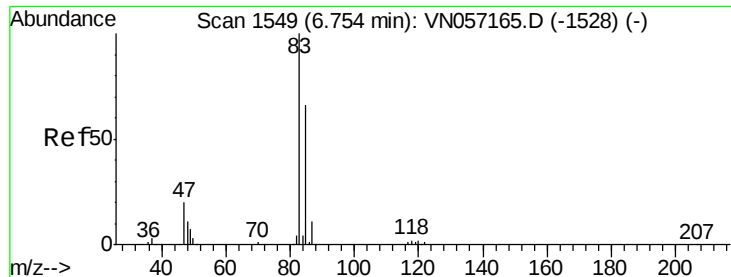


#24

Methyl tert-Butyl Ether
 Concen: 19.559 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.3	21.5





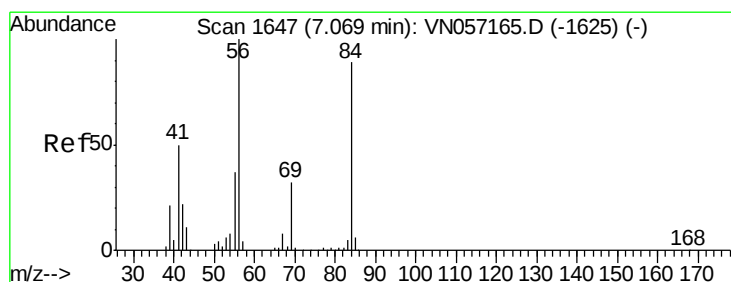
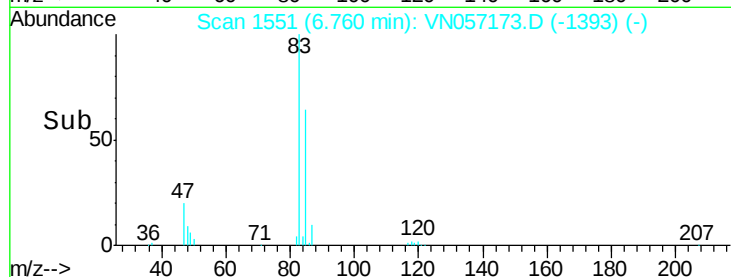
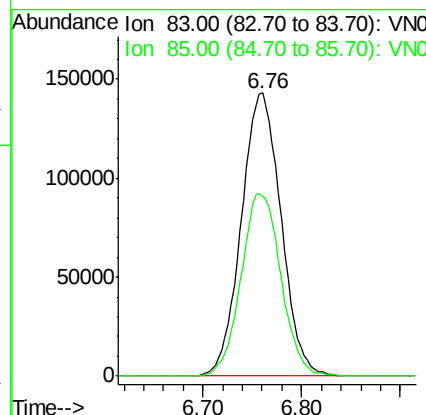
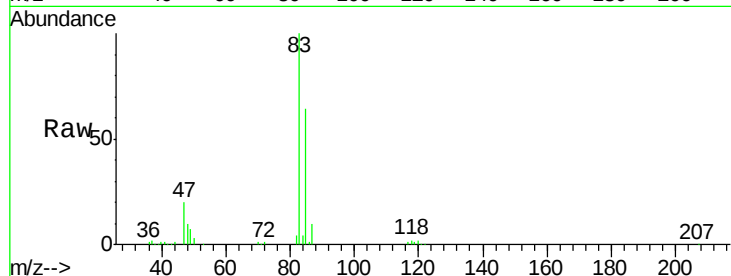
#25
Chloroform
Concen: 19.118 ug/l
RT: 6.76 min Scan# 1551
Delta R.T. 0.01 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	399180		
85	63.7	52.5	78.7	

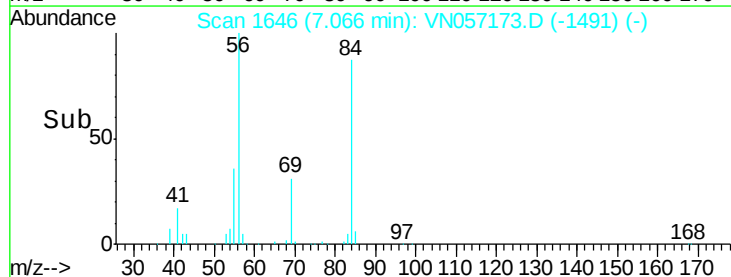
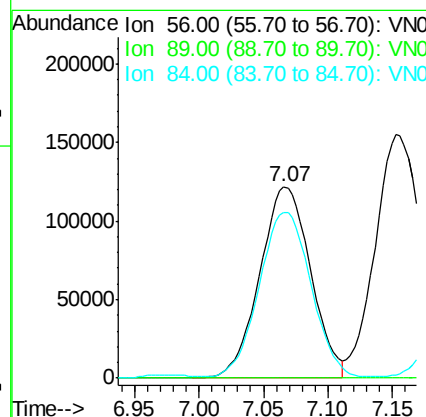
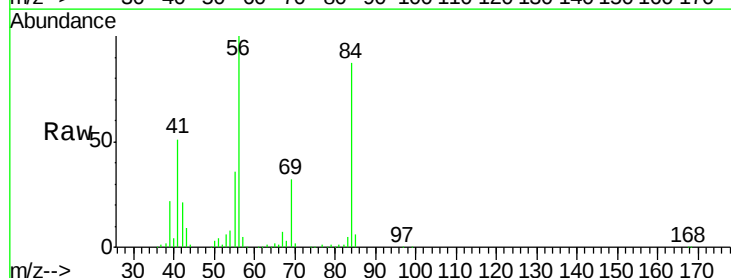
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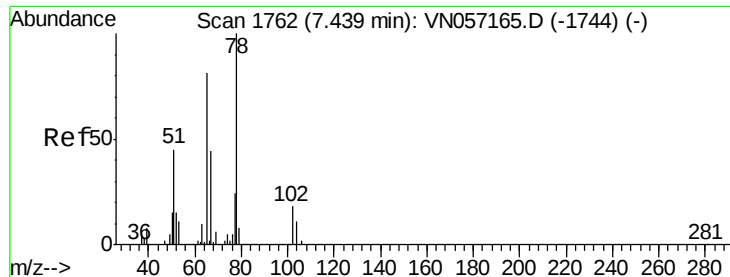
MMDadoda
8/12/2019 3:55:50 PM



#26
Cyclohexane
Concen: 19.234 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	333881		
89	0.0	0.0	0.0	
84	88.0	70.8	106.2	





#27

1,2-Dichloroethane-d4

Concen: 29.306 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 65 Resp: 361387

Ion Ratio Lower Upper

65 100

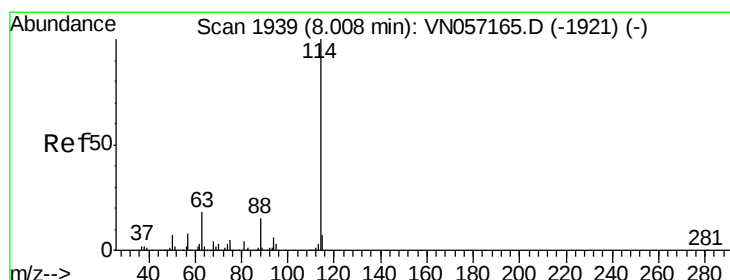
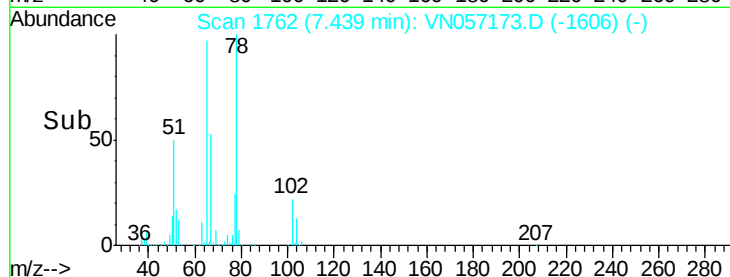
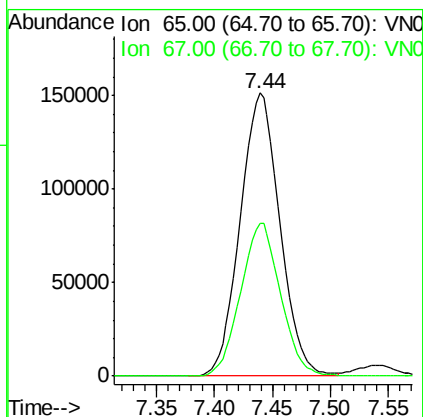
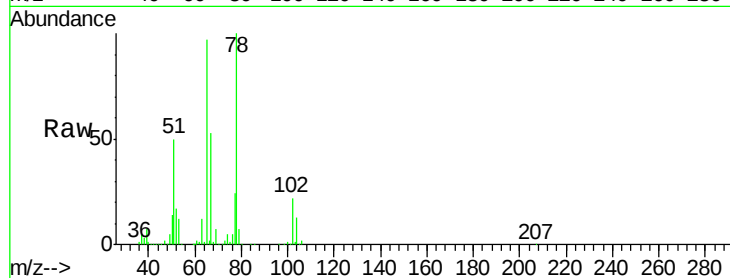
67 54.4 42.4 63.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

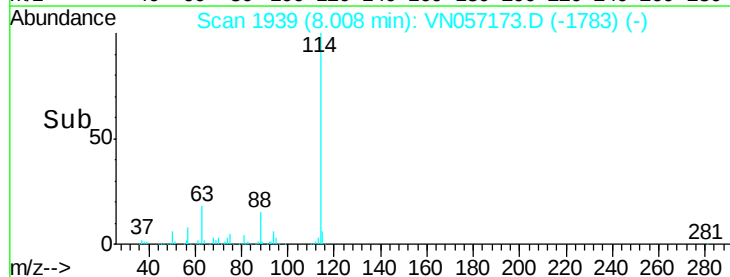
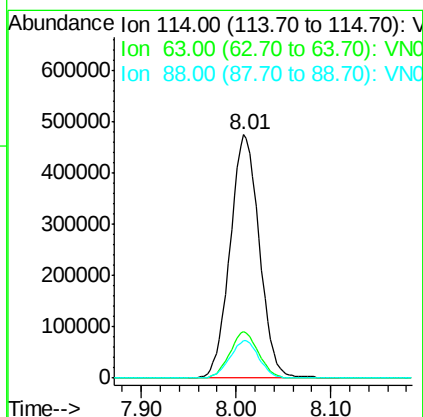
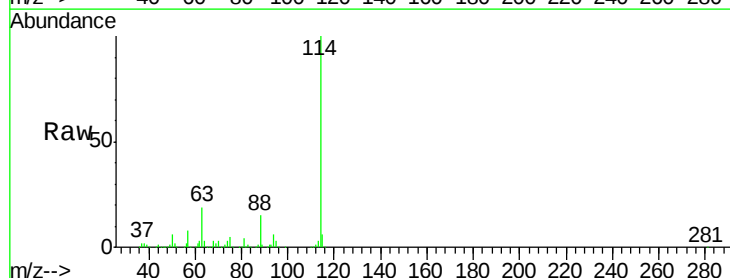
Tgt Ion: 114 Resp: 1021576

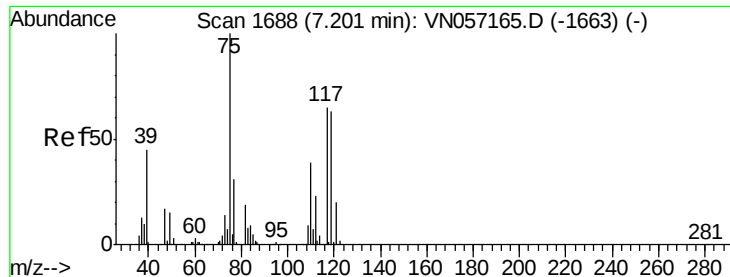
Ion Ratio Lower Upper

114 100

63 18.6 14.6 21.8

88 15.3 12.2 18.2





#29

1,1-Dichloropropene

Concen: 19.223 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

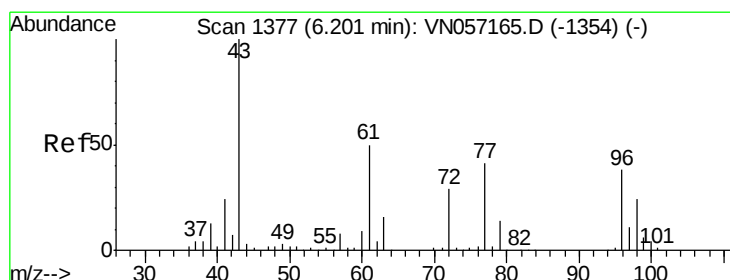
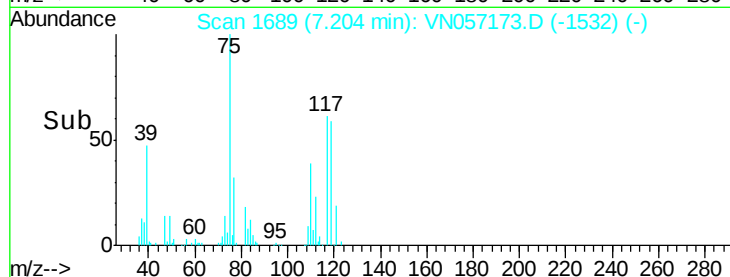
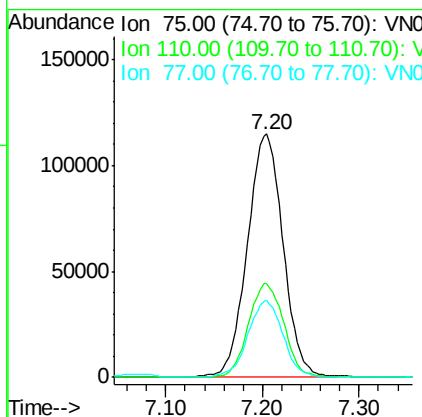
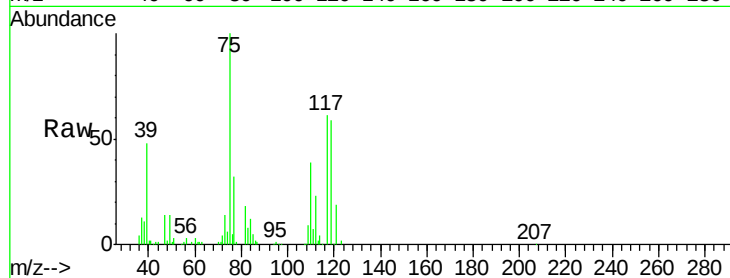
ClientSampleId :

VN0810WBS01

Tot Ion:	75	Resp:	295313
Ion Ratio	Lower	Upper	
75	100		
110	38.0	0.0	75.6
77	30.8	0.0	62.4

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#30

2-Butanone

Concen: 88.434 ug/l

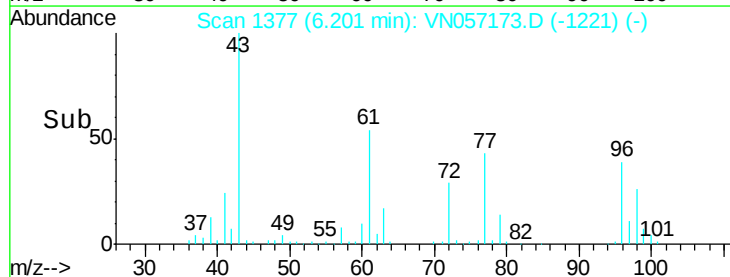
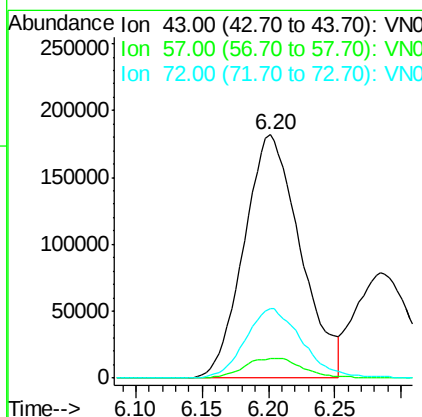
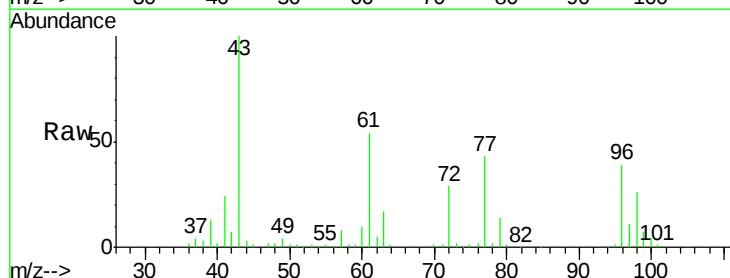
RT: 6.20 min Scan# 1377

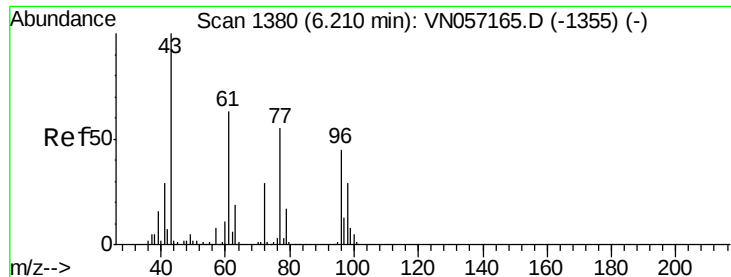
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	43	Resp:	534877
Ion Ratio	Lower	Upper	
43	100		
57	8.7	6.8	10.2
72	29.0	23.0	34.6





#31

2,2-Dichloropropane

Concen: 17.987 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 77 Resp: 295447

Ion Ratio Lower Upper

77 100

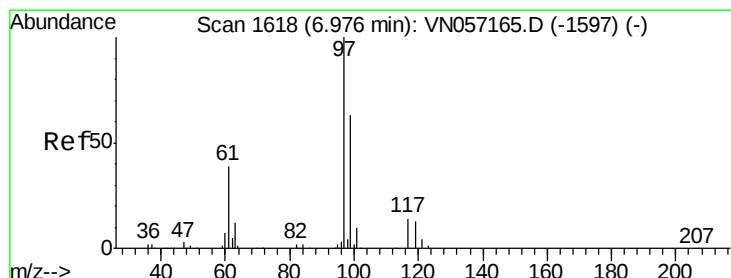
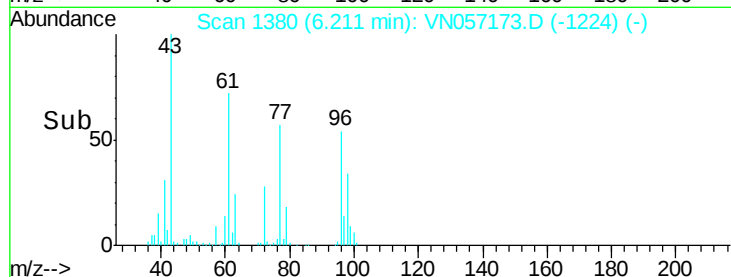
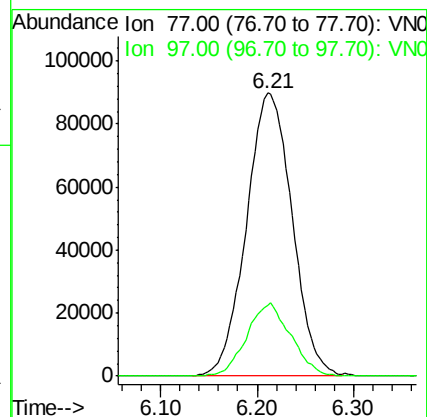
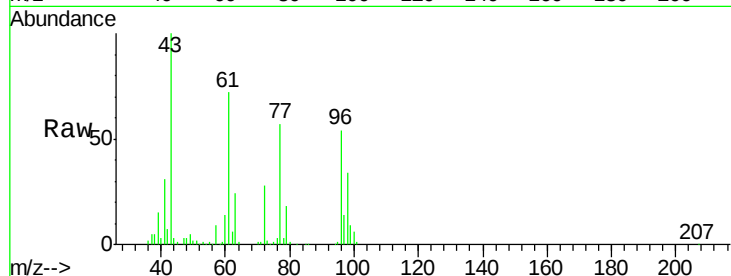
97 24.9 19.4 29.2

Manual Integrations

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8/12/2019 3:55:50 PM



#32

1,1,1-Trichloroethane

Concen: 19.272 ug/l

RT: 6.98 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

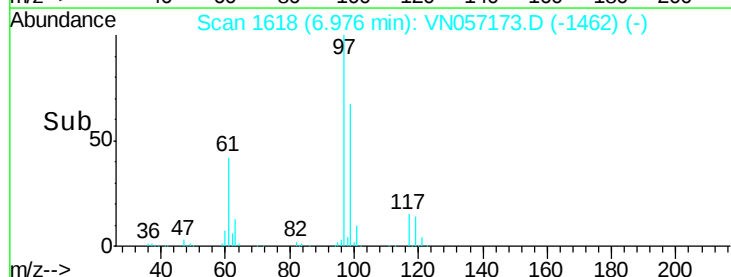
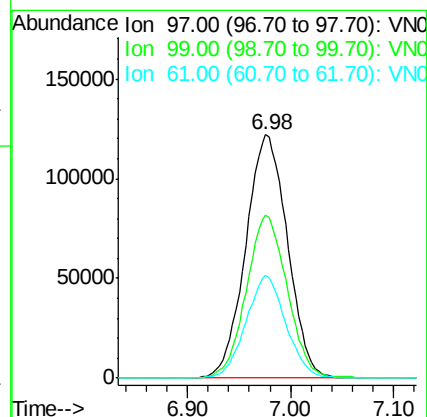
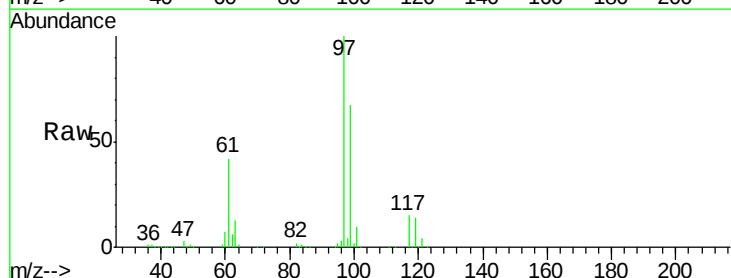
Tgt Ion: 97 Resp: 342874

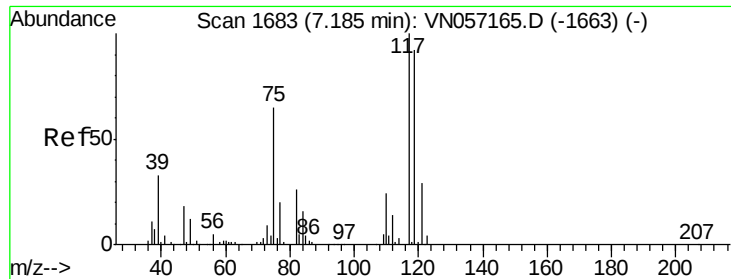
Ion Ratio Lower Upper

97 100

99 65.4 52.4 78.6

61 40.2 32.3 48.5





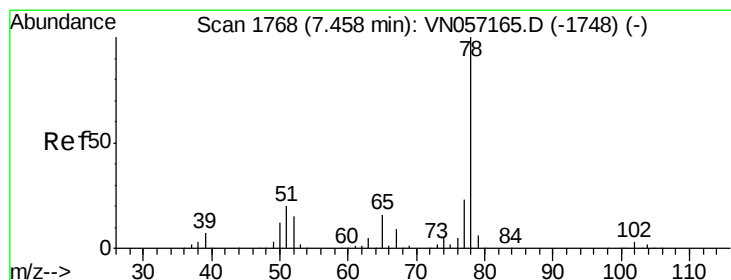
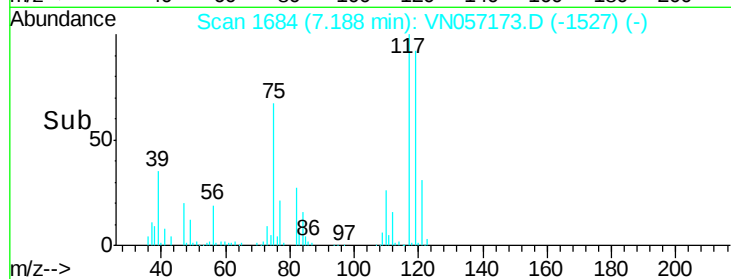
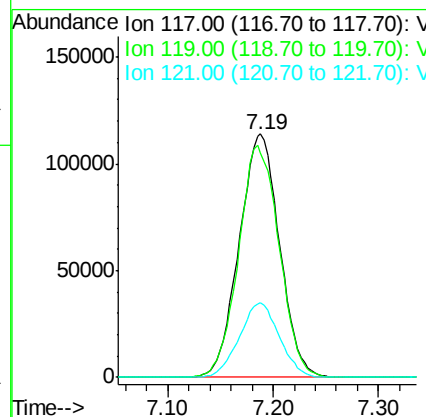
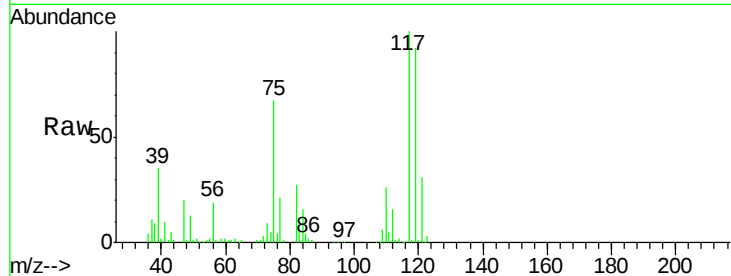
#33
Carbon Tetrachloride
Concen: 19.112 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.1	73.9	110.9
121	30.6	23.4	35.2

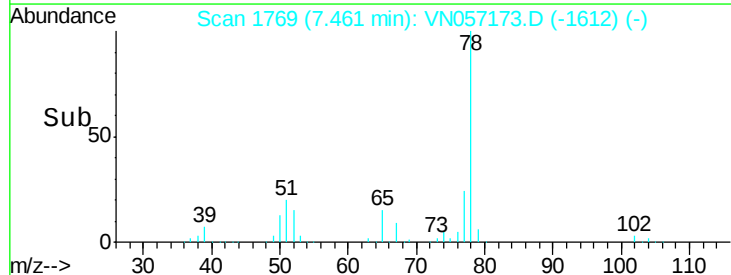
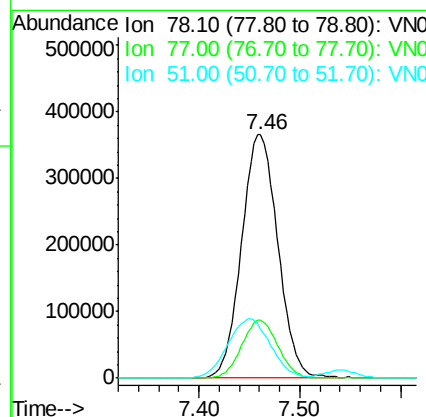
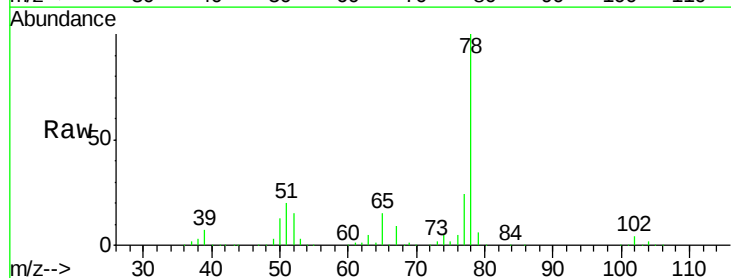
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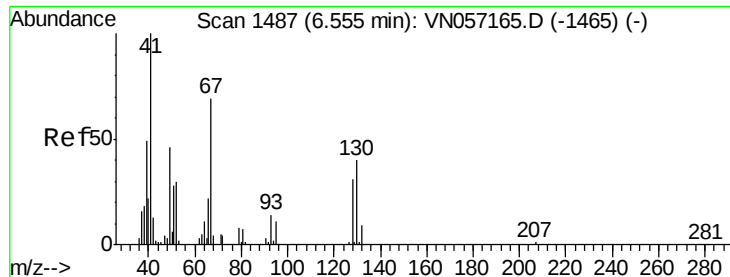
MMDadoda
8/12/2019 3:55:50 PM



#34
Benzene
Concen: 19.426 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5
51	20.0	16.2	24.2





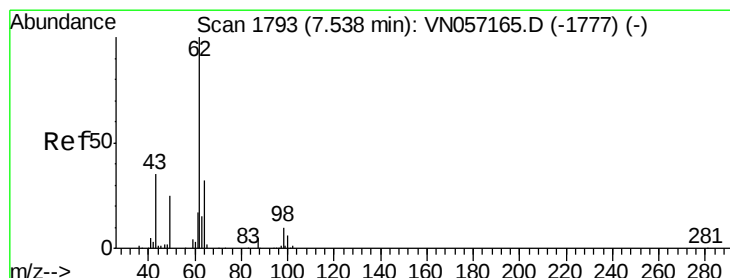
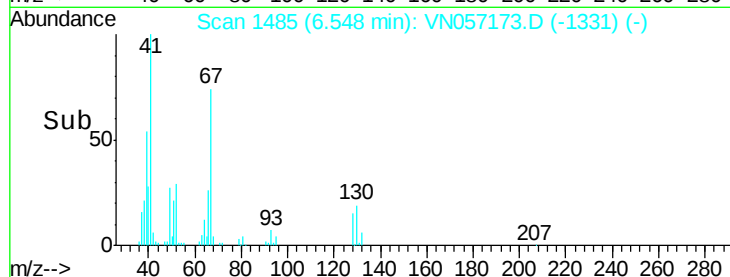
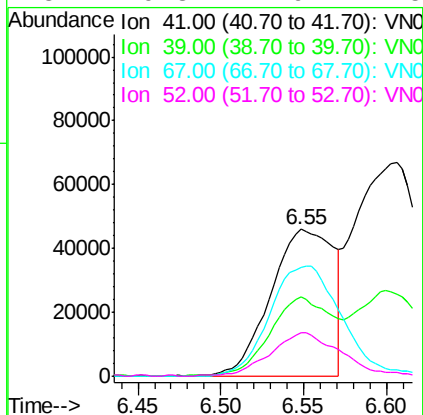
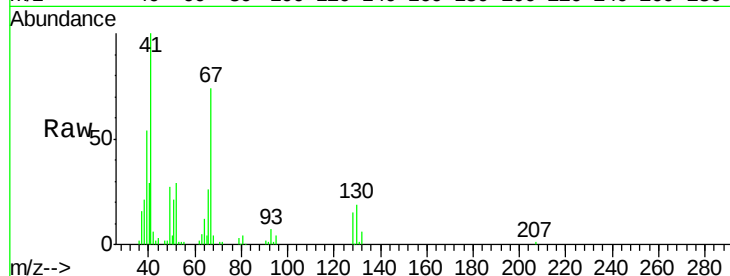
#35
Methacrylonitrile
Concen: 19.876 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.1	24.6	74.0		
67	74.5	34.4	103.2		
52	29.3	14.9	44.5		

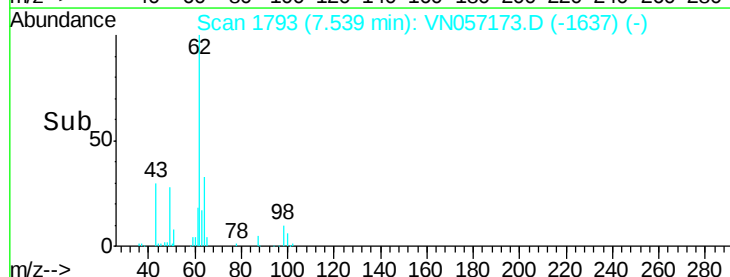
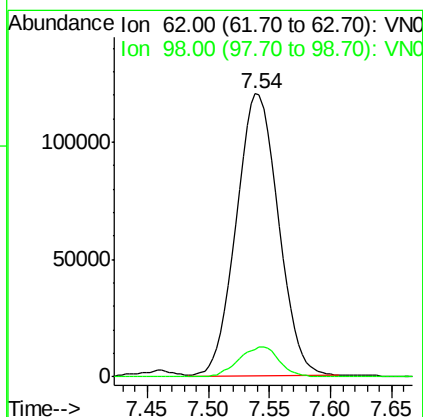
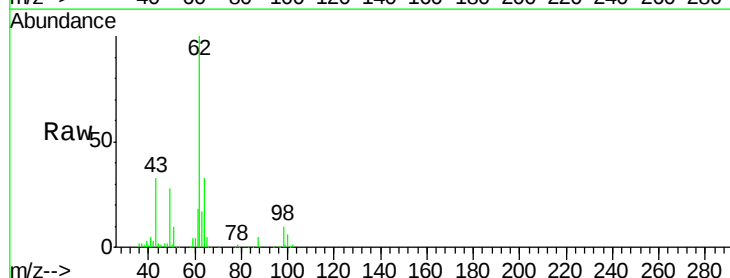
Manual Integrations
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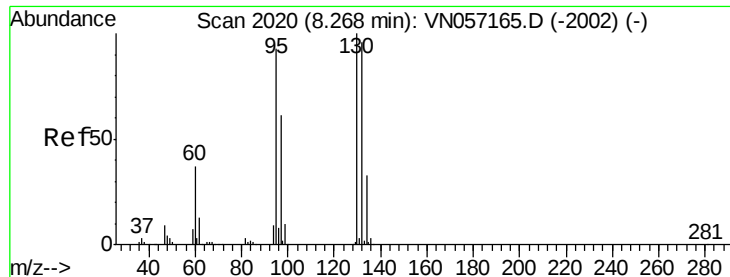
MMDadoda
8/12/2019 3:55:50 PM



#36
1,2-Dichloroethane
Concen: 19.240 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

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





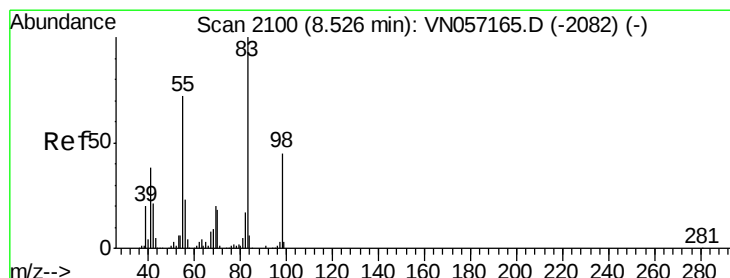
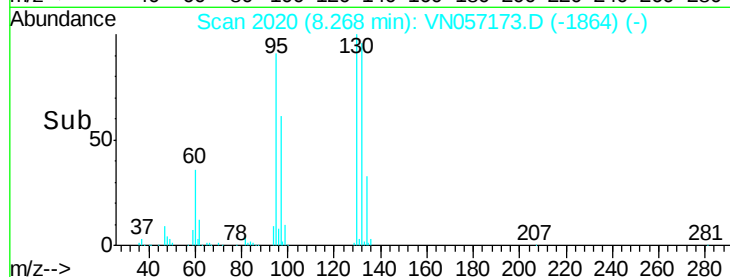
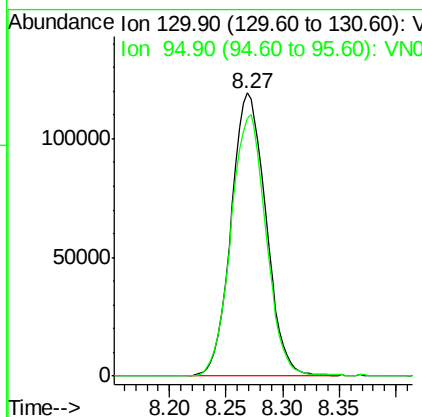
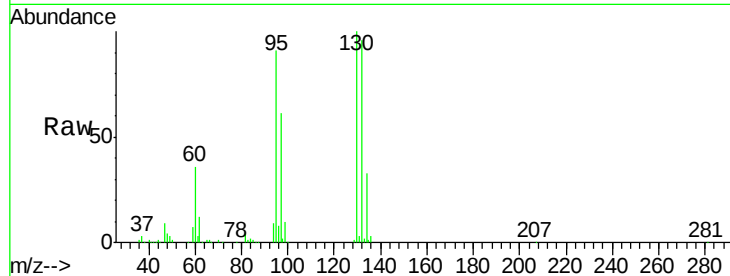
#37
 Trichloroethene
 Concen: 19.201 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	255867		
95	90.9	74.6	112.0	

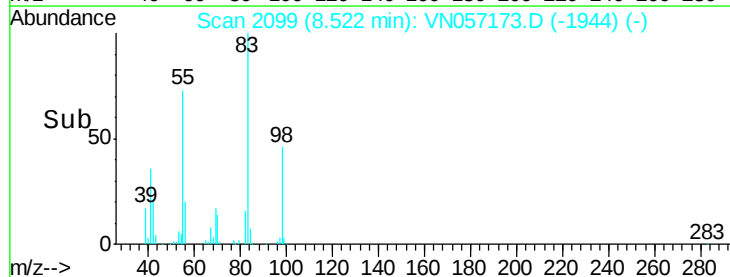
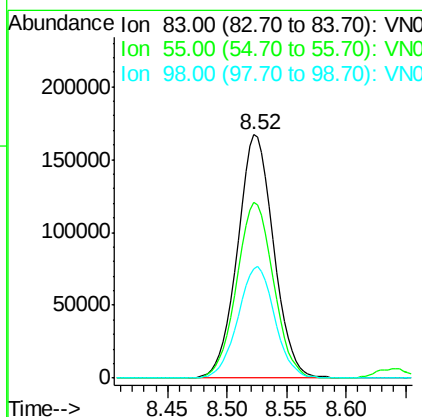
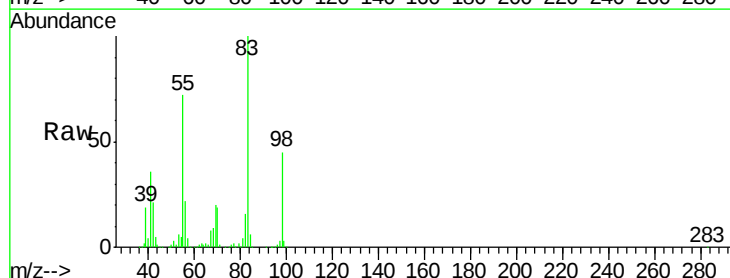
Manual Integrations
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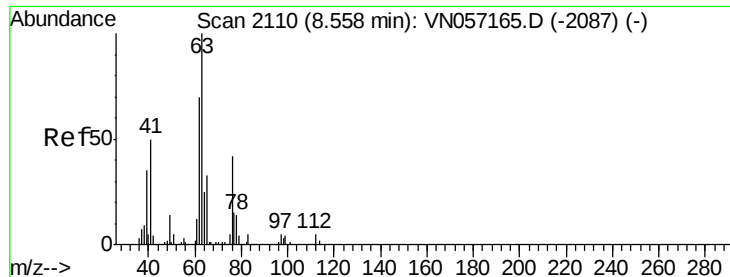
MMDadoda
 8/12/2019 3:55:50 PM



#38
 Methylcyclohexane
 Concen: 19.183 ug/l
 RT: 8.52 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	351680		
55	73.5	36.5	109.7	
98	46.6	23.4	70.0	





#39

1,2-Dichloropropane

Concen: 19.254 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 63 Resp: 232744

Ion Ratio Lower Upper

63 100

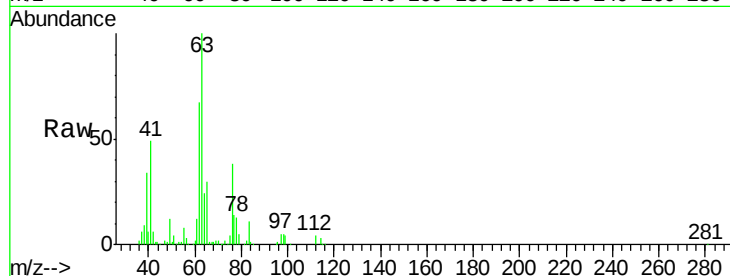
65 29.5 26.2 39.4

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

8.56

120000

100000

80000

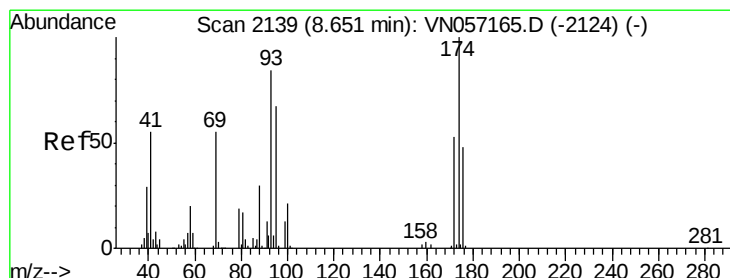
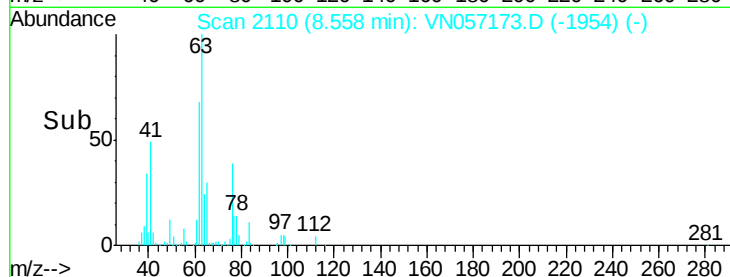
60000

40000

20000

0

Time-->



#40

Dibromomethane

Concen: 19.762 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

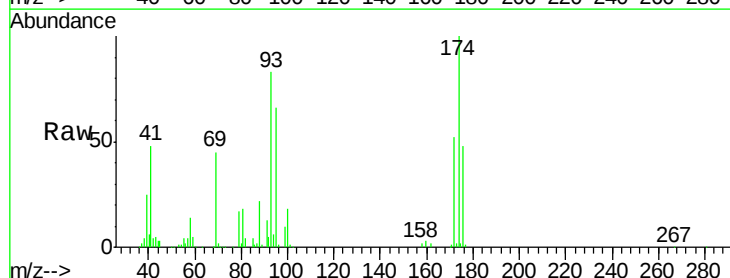
Tgt Ion: 93 Resp: 153785

Ion Ratio Lower Upper

93 100

95 83.3 0.0 165.0

174 120.9 0.0 245.4



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

8.65

120000

100000

80000

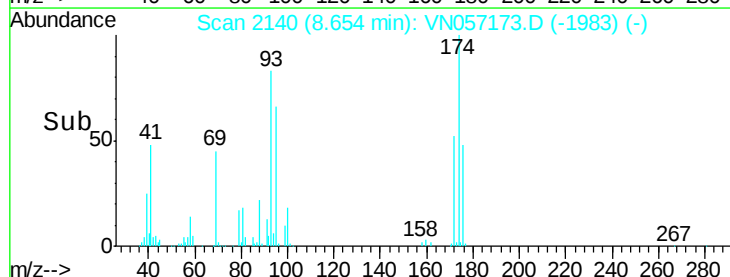
60000

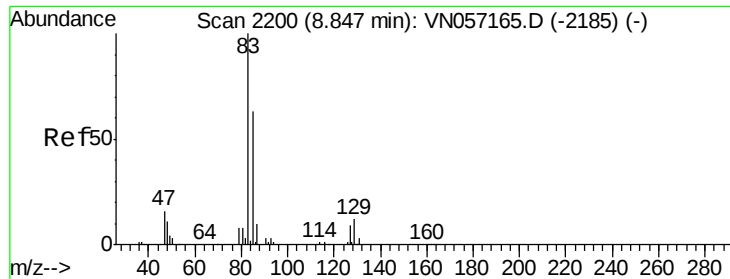
40000

20000

0

Time-->





#41

Bromodichloromethane

Concen: 19.576 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

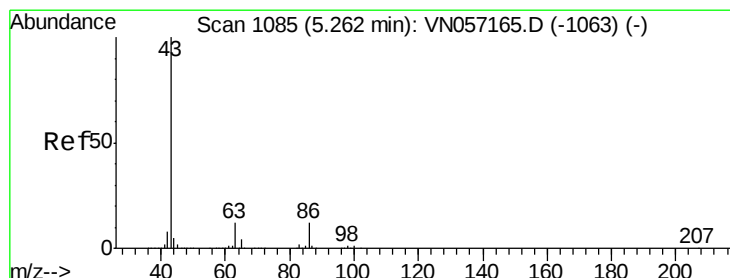
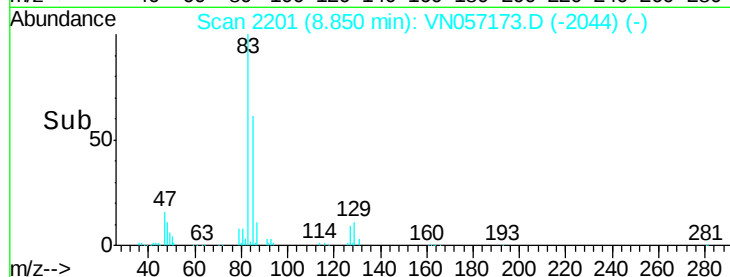
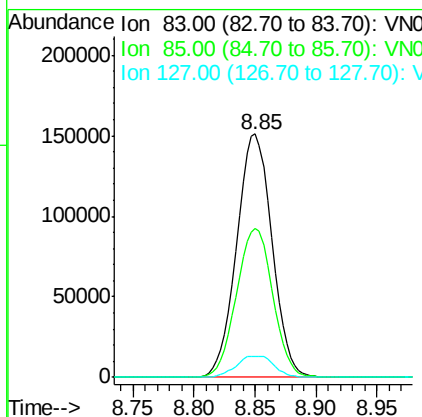
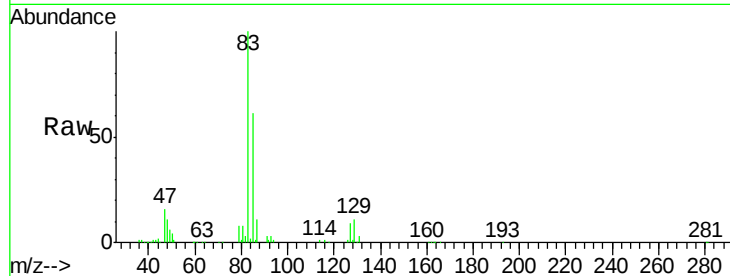
ClientSampleId :

VN0810WBS01

Tot Ion:	83	Resp:	302912
Ion Ratio	Lower	Upper	
83	100		
85	61.3	50.6	76.0
127	8.6	7.0	10.6

Manual Integrations
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8/12/2019 3:55:50 PM



#42

Vinyl Acetate

Concen: 98.865 ug/l

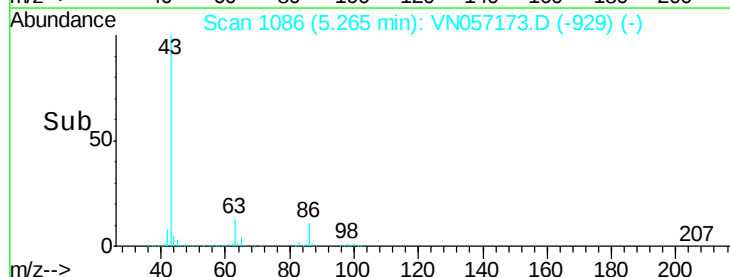
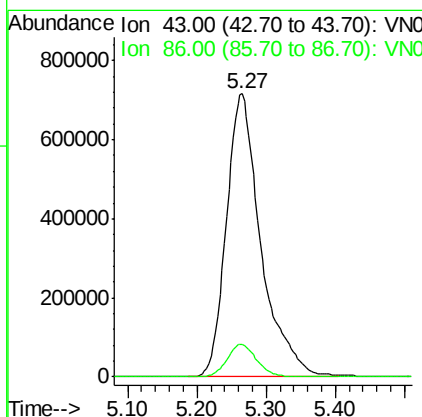
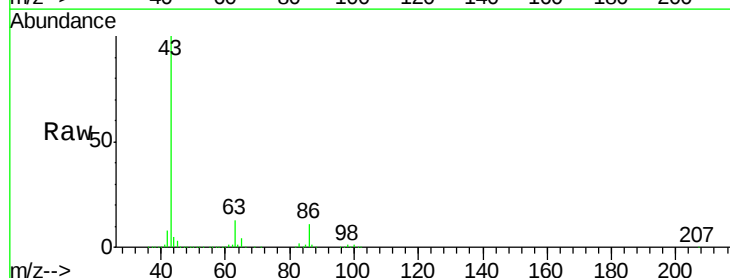
RT: 5.27 min Scan# 1086

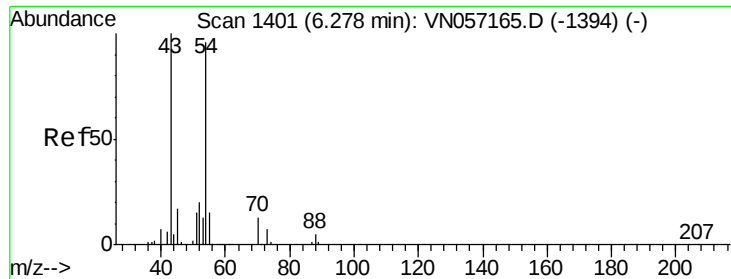
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	43	Resp:	2485894
Ion Ratio	Lower	Upper	
43	100		
86	10.0	8.0	12.0





#43

Ethyl Acetate

Concen: 17.794 ug/l

RT: 6.28 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 43 Resp: 198493

Ion Ratio Lower Upper

43 100

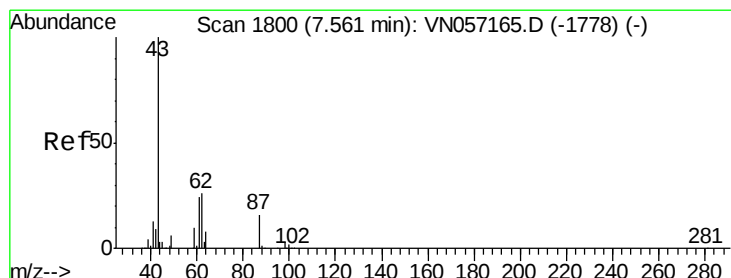
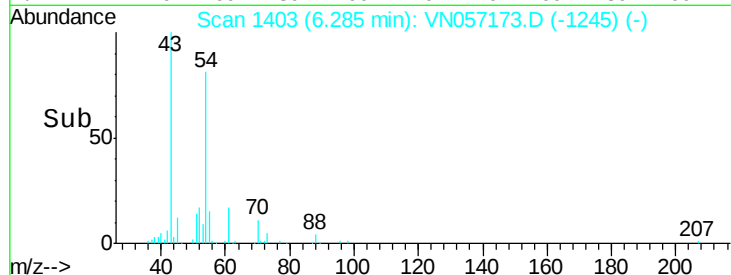
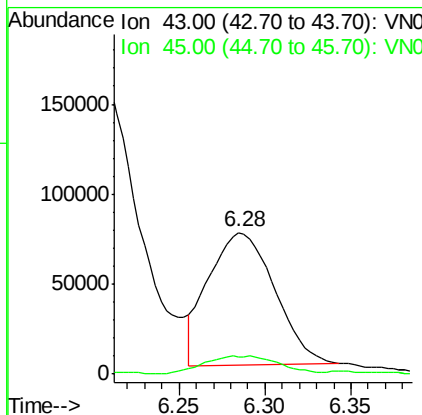
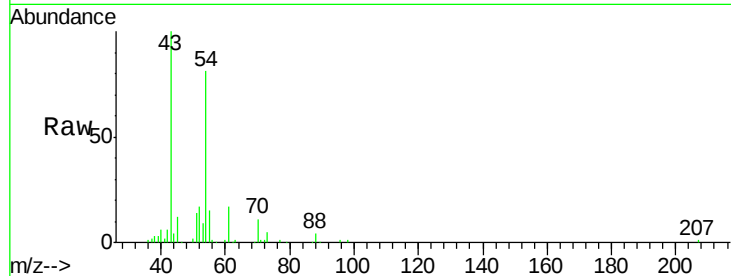
45 8.0 10.1 15.1#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.012 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057173.D

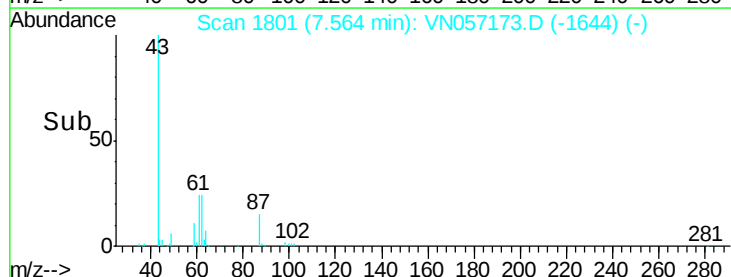
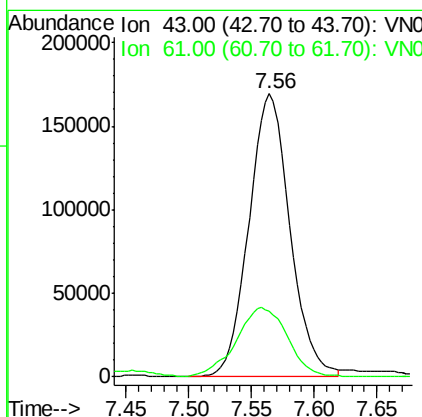
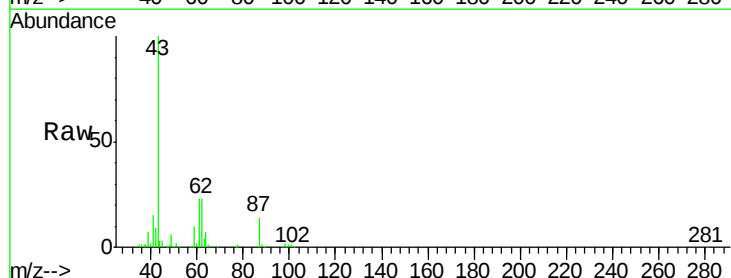
Acq: 10 Aug 2019 13:51

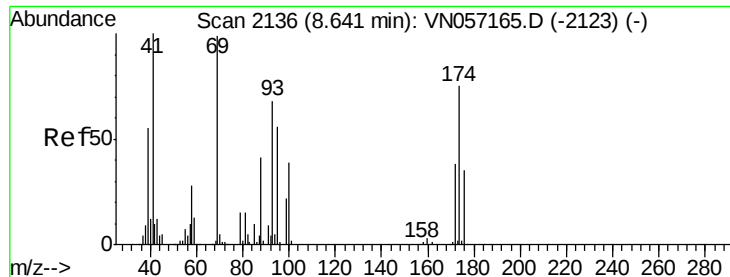
Tgt Ion: 43 Resp: 385071

Ion Ratio Lower Upper

43 100

61 29.9 22.2 33.4





#45

1,4-Dioxane

Concen: 337.089 ug/l

RT: 8.64 min Scan# 2136

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

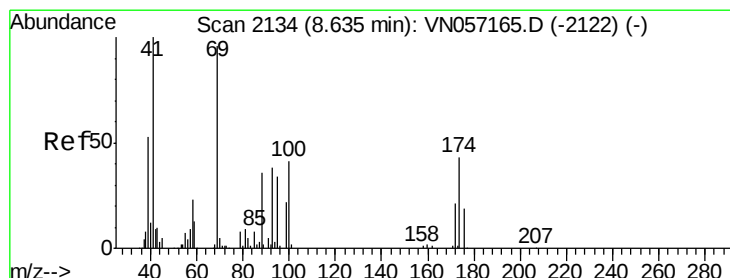
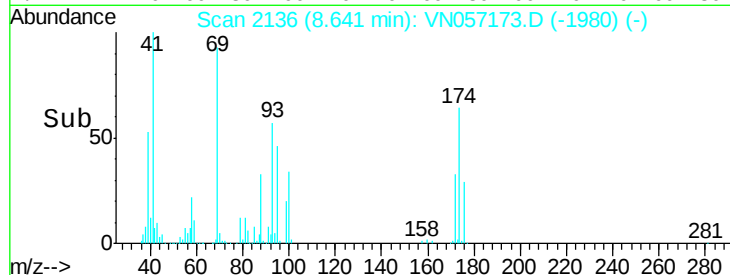
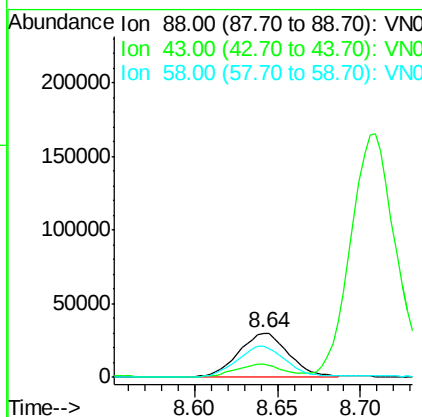
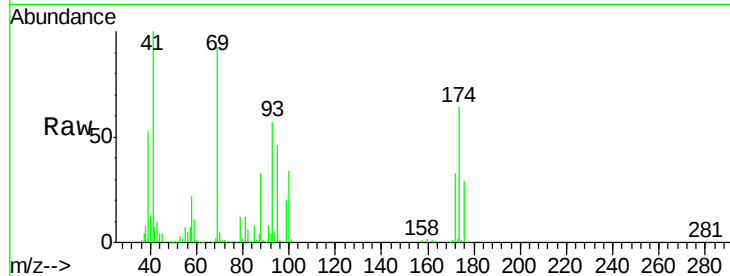
ClientSampleId :

VN0810WBS01

Tot Ion:	88	Resp:	63712
Ion	Ratio	Lower	Upper
88	100		
43	27.3	20.5	30.7
58	69.0	53.8	80.8

Manual Integrations
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#46

Methyl methacrylate

Concen: 19.414 ug/l

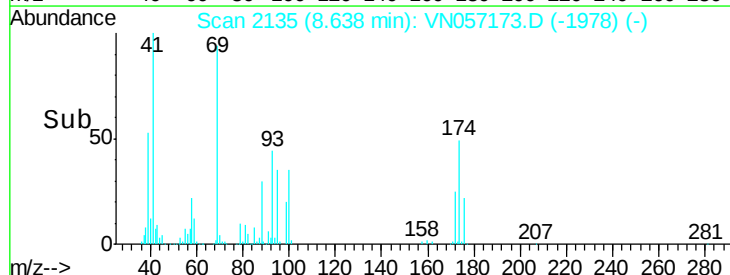
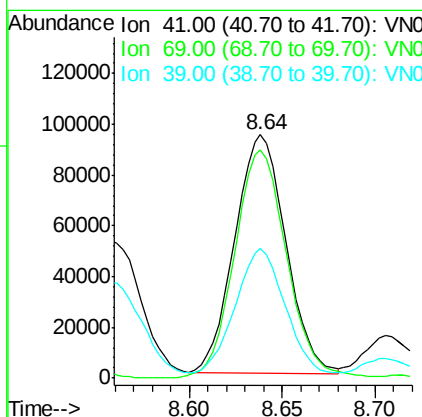
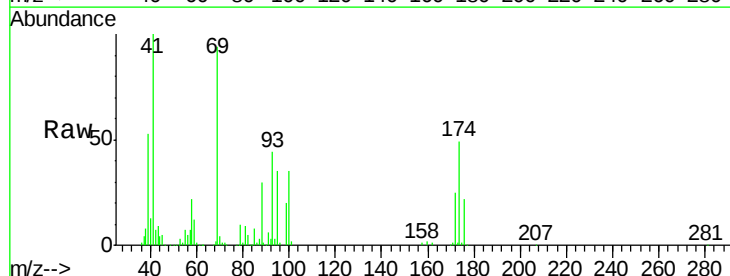
RT: 8.64 min Scan# 2135

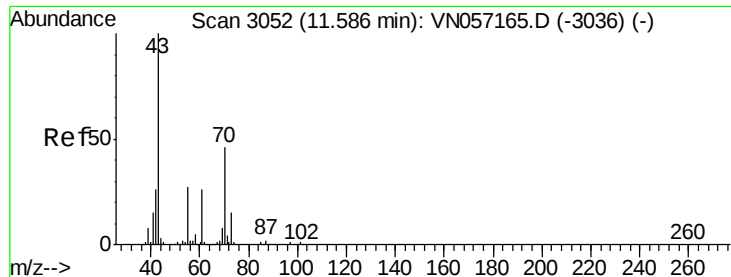
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	41	Resp:	179275
Ion	Ratio	Lower	Upper
41	100		
69	95.2	48.1	144.4
39	52.4	26.5	79.5





#47

n-amyl Acetate

Concen: 18.219 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 43 Resp: 271484

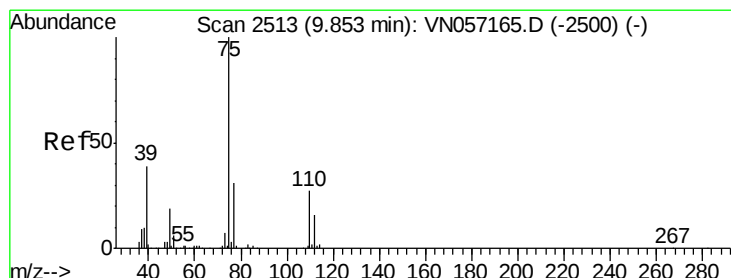
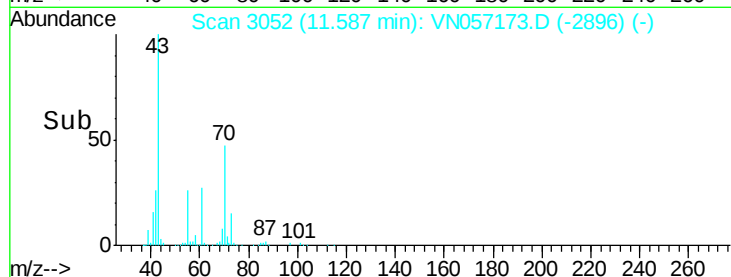
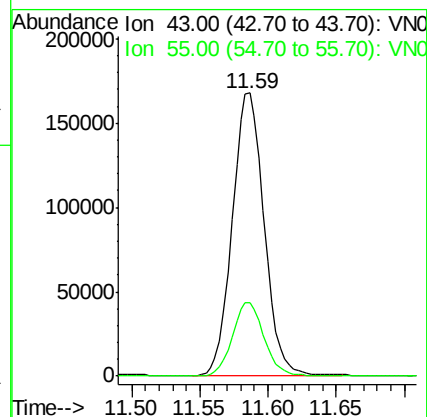
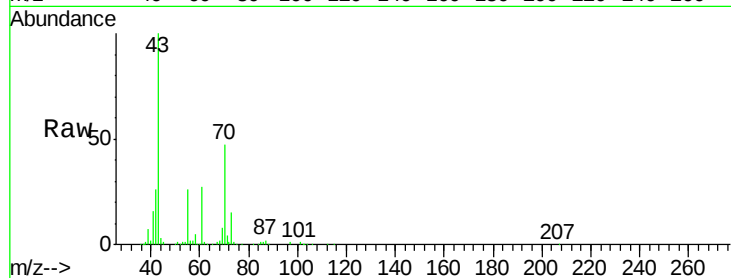
Ion Ratio Lower Upper

43 100

55 26.1 20.7 31.1

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 19.080 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057173.D

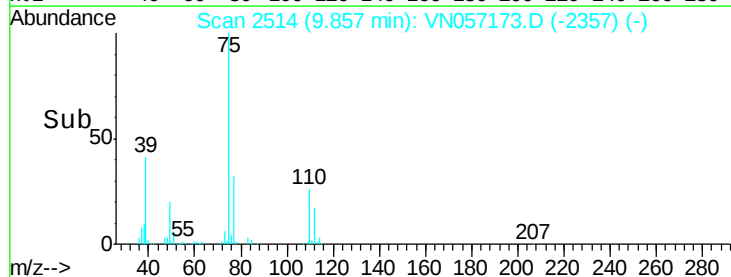
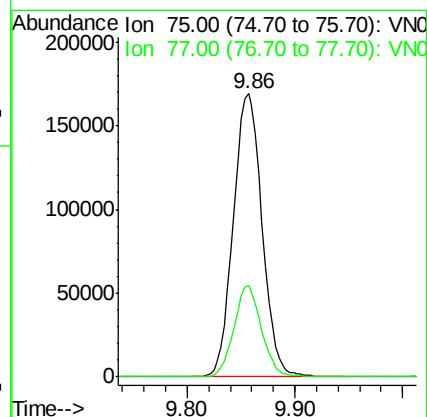
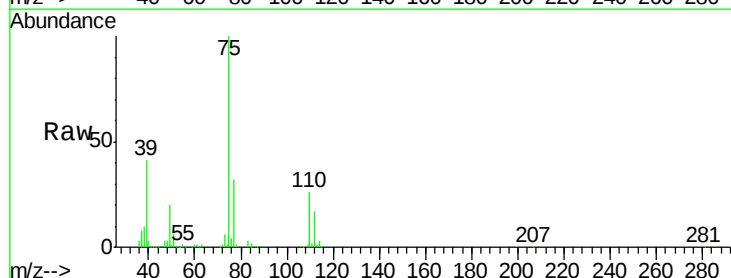
Acq: 10 Aug 2019 13:51

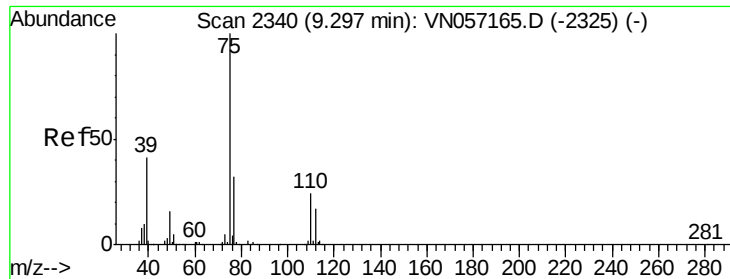
Tgt Ion: 75 Resp: 314811

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3





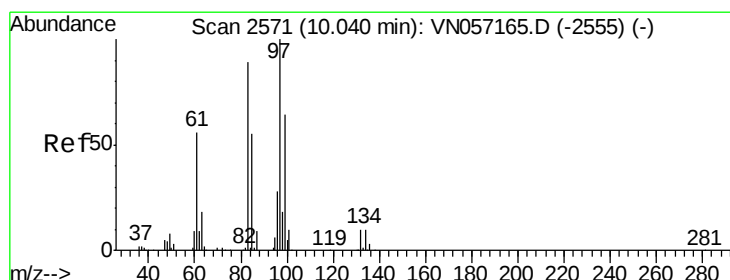
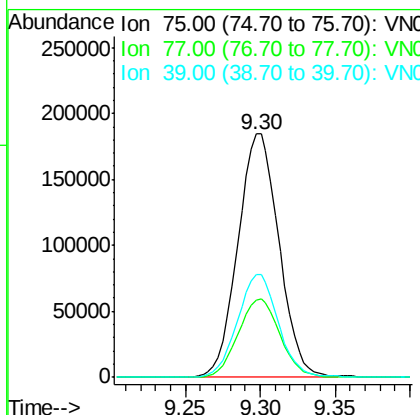
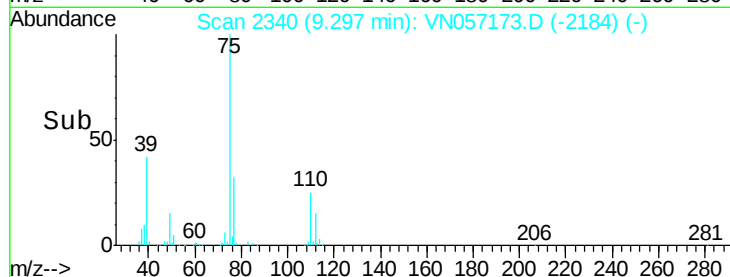
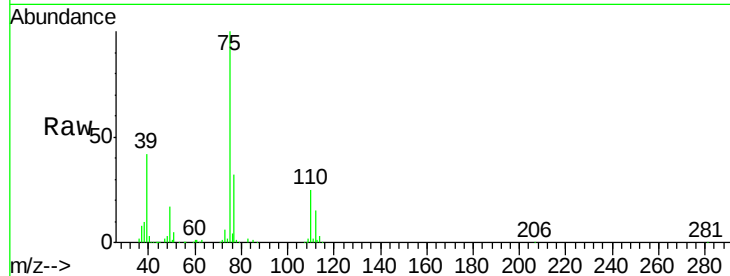
#49
 cis-1,3-Dichloropropene
 Concen: 18.838 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8
39	42.1	33.0	49.6

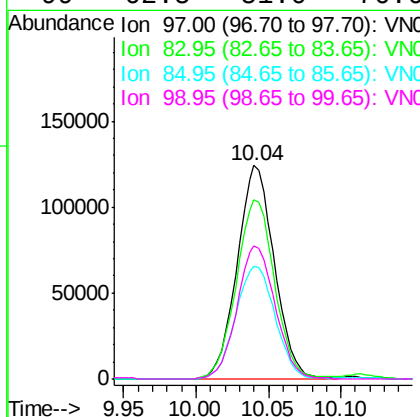
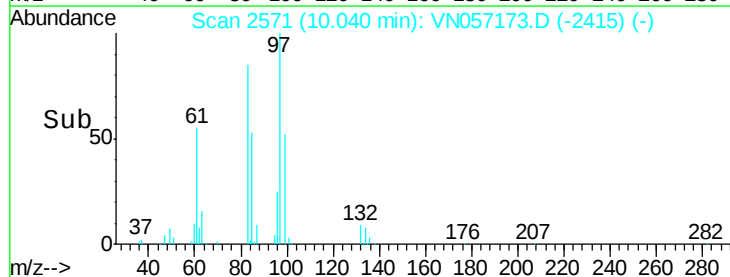
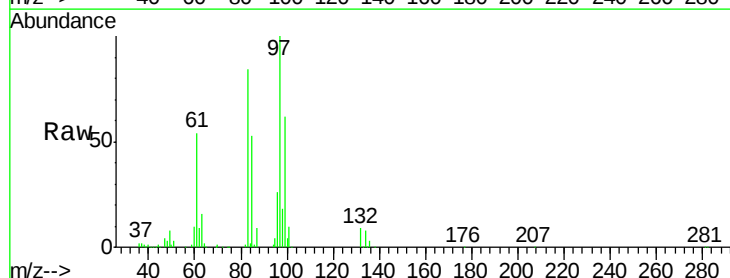
Manual Integrations
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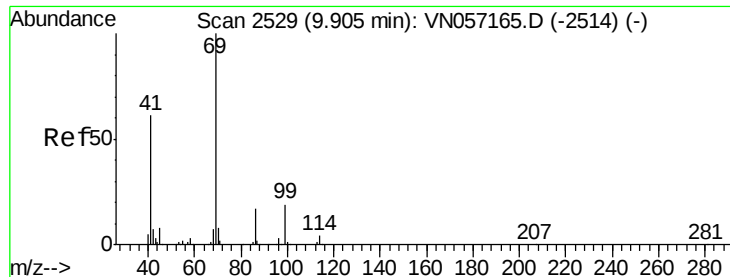
MMDadoda
 8/12/2019 3:55:50 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.897 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.4	107.0
85	52.7	43.8	65.8
99	62.5	51.0	76.6





#51

Ethyl methacrylate

Concen: 19.524 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

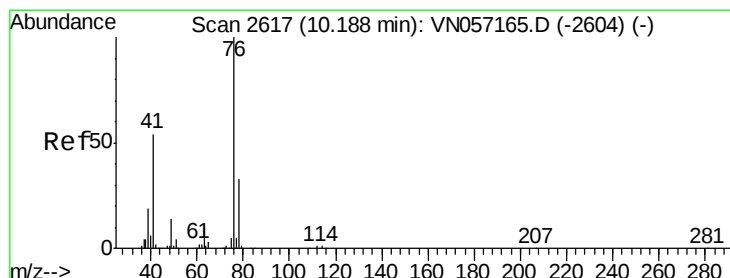
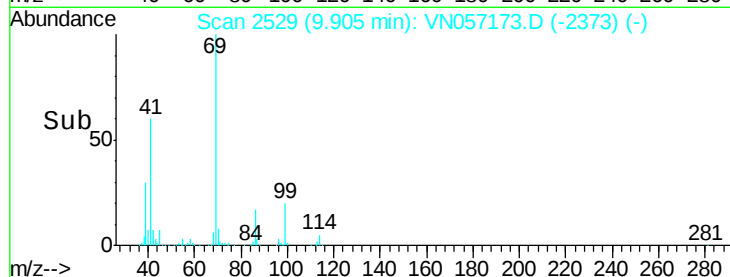
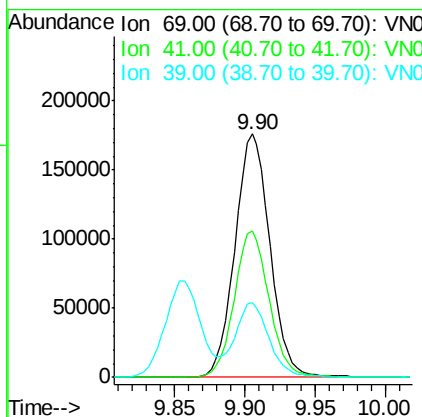
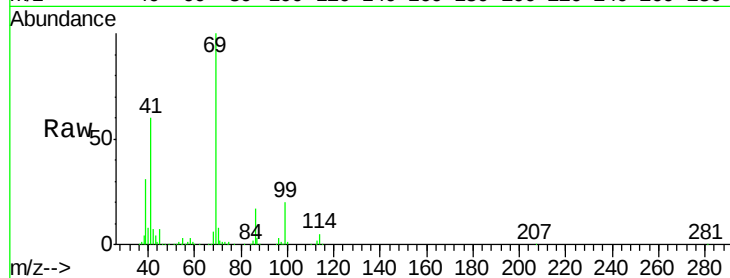
ClientSampleId :

VN0810WBS01

Tot Ion:	69	Resp:	306442
Ion Ratio	Lower	Upper	
69	100		
41	59.8	30.4	91.2
39	30.3	14.8	44.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.693 ug/l

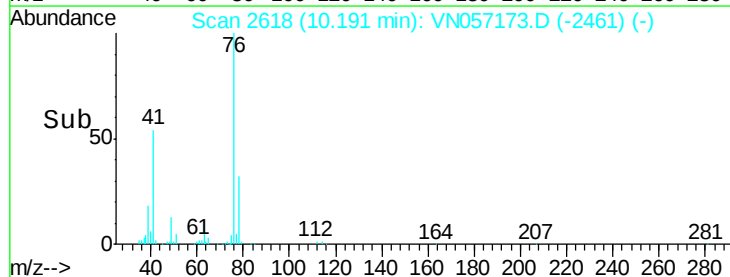
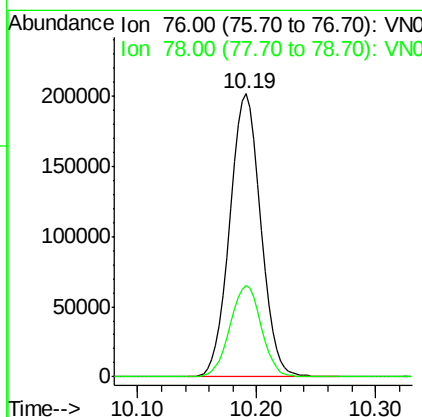
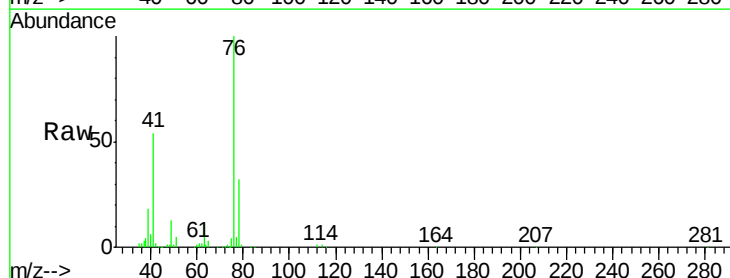
RT: 10.19 min Scan# 2618

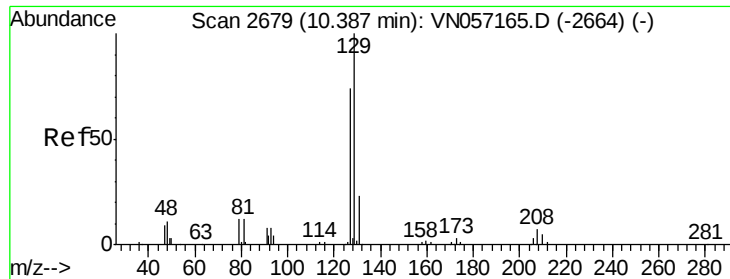
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	76	Resp:	365076
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.0





#53

Dibromochloromethane

Concen: 19.286 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion:129 Resp: 241700

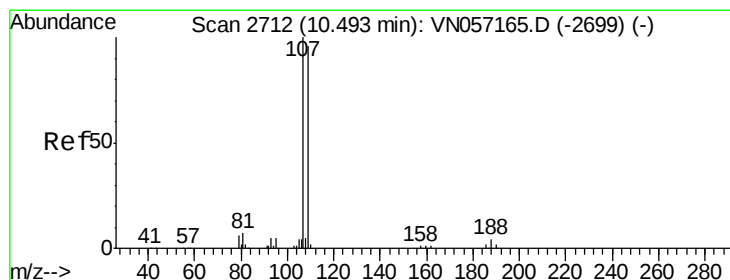
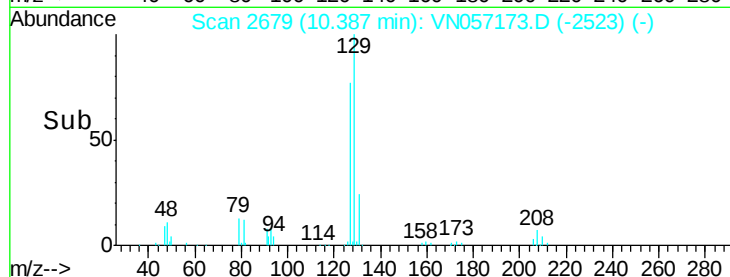
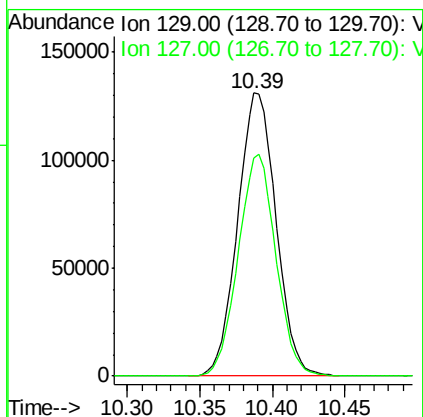
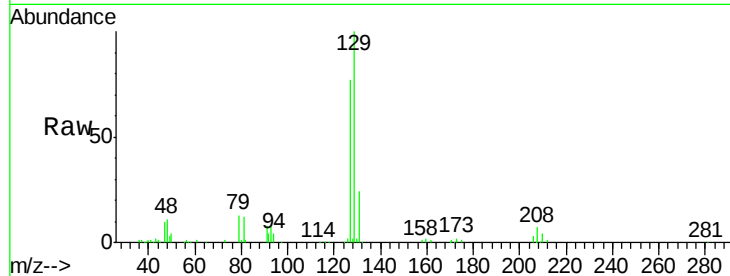
Ion Ratio Lower Upper

129 100

127 77.2 38.2 114.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 19.782 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VN057173.D

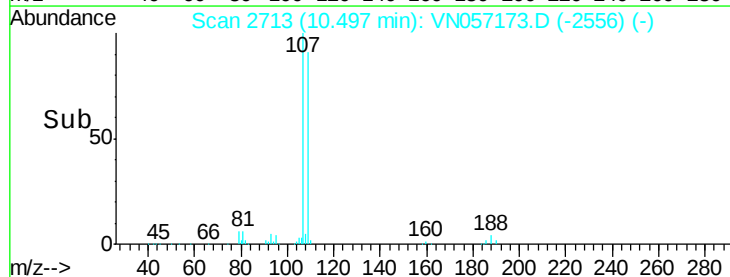
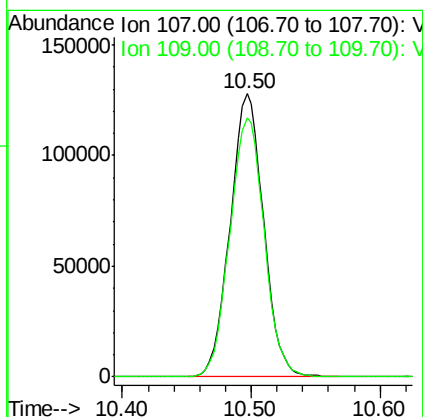
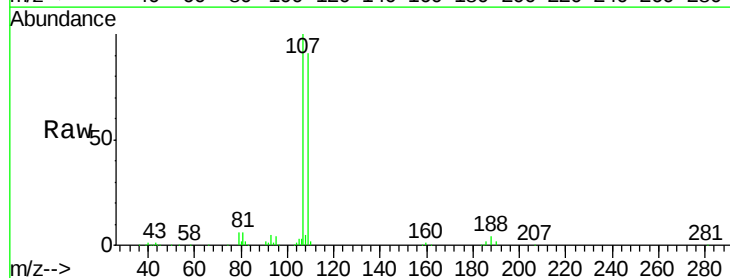
Acq: 10 Aug 2019 13:51

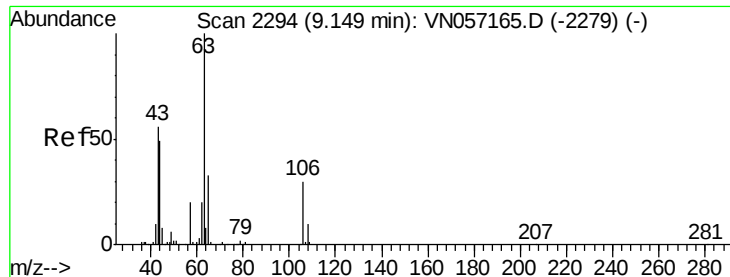
Tgt Ion:107 Resp: 229673

Ion Ratio Lower Upper

107 100

109 94.5 76.8 115.2





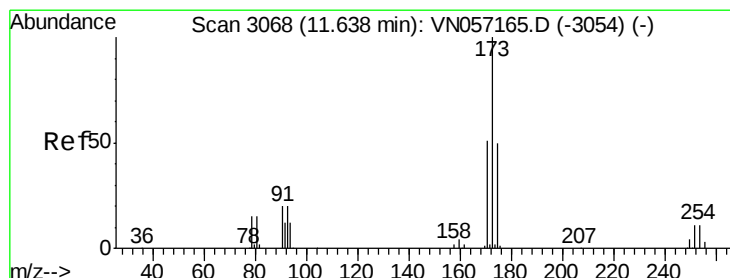
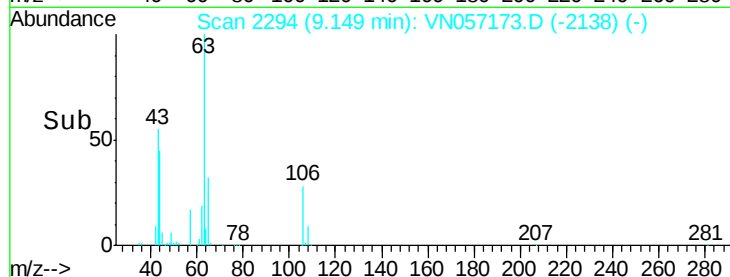
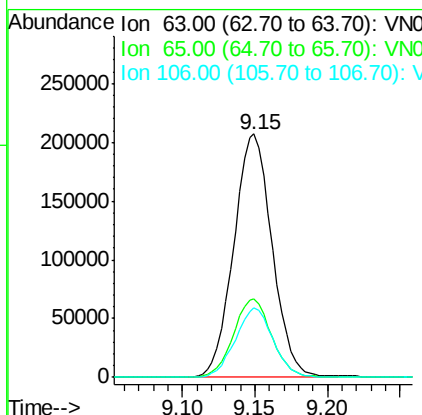
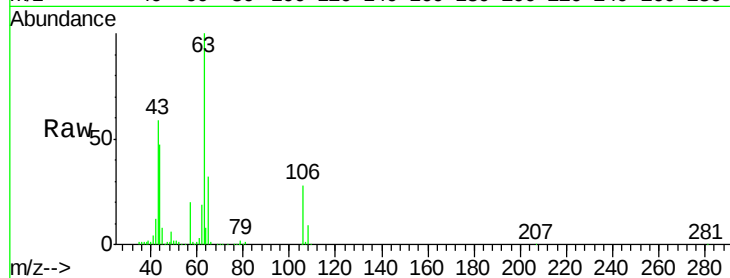
#55
2-Chloroethyl vinyl ether
Concen: 85.905 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.0	39.0
106	28.3	23.3	34.9

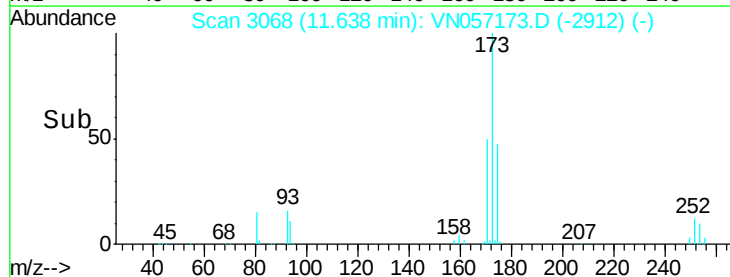
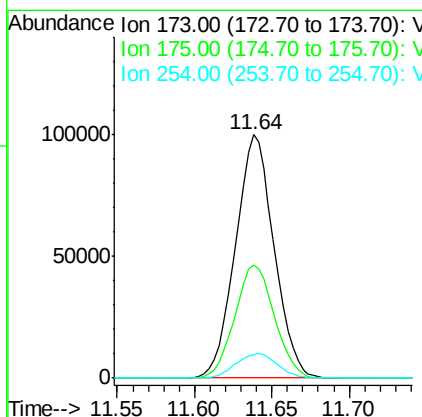
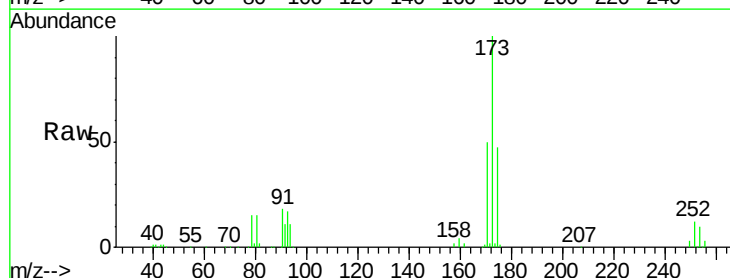
Manual Integrations
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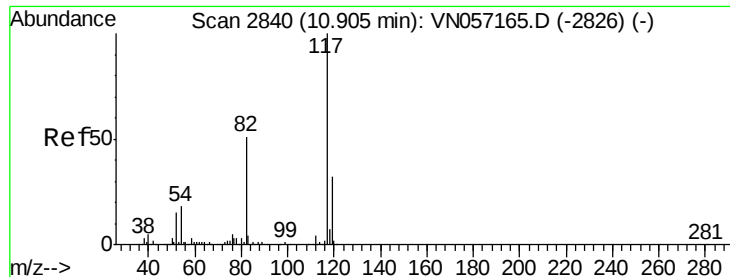
MMDadoda
8/12/2019 3:55:50 PM



#56
Bromoform
Concen: 18.682 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.4
254	10.8	8.6	13.0





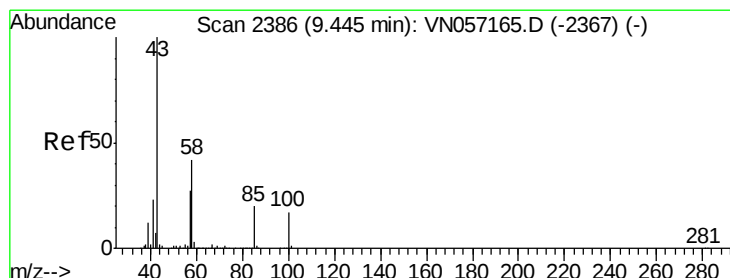
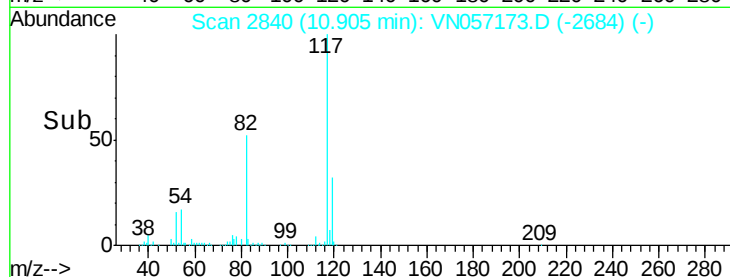
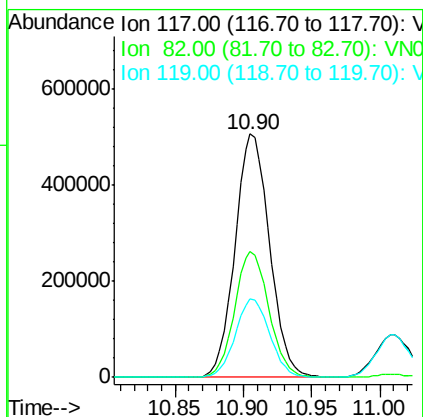
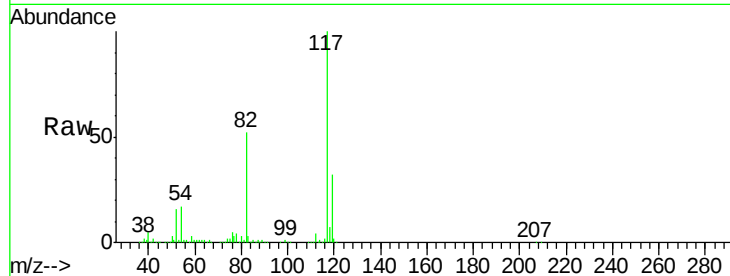
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.5	62.3
119	32.2	26.1	39.1

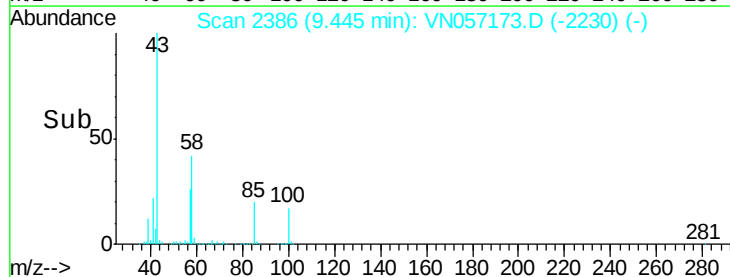
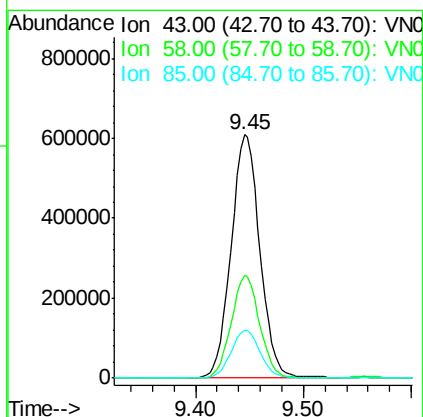
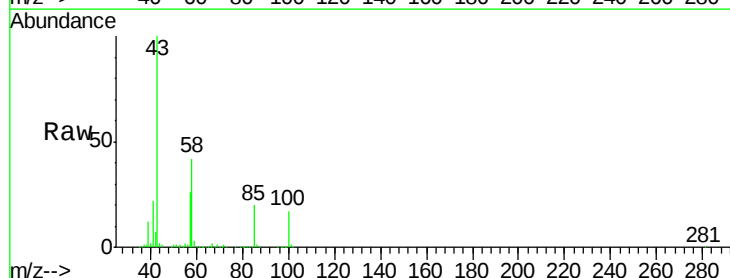
Manual Integrations
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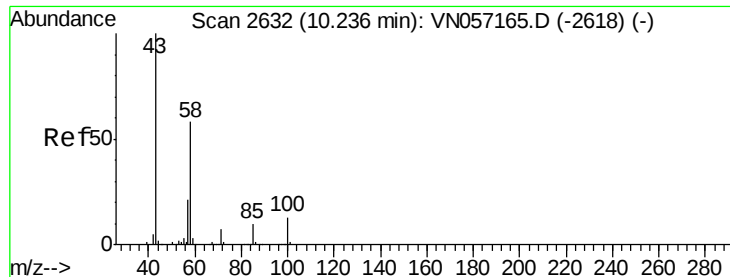
MMDadoda
8/12/2019 3:55:50 PM



#58
4-Methyl-2-Pentanone
Concen: 99.373 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.7	32.8	49.2
85	19.8	16.4	24.6





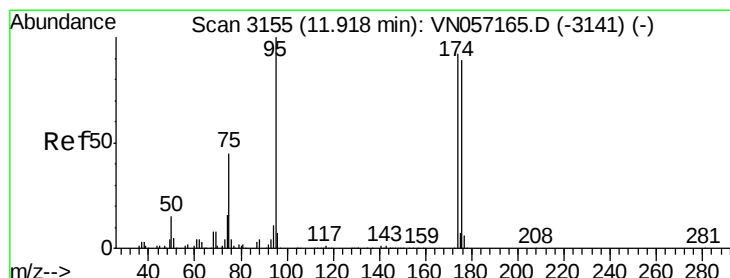
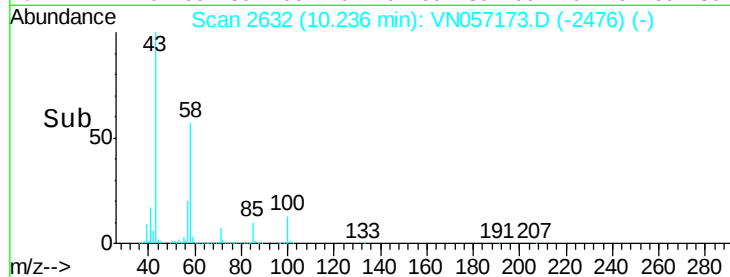
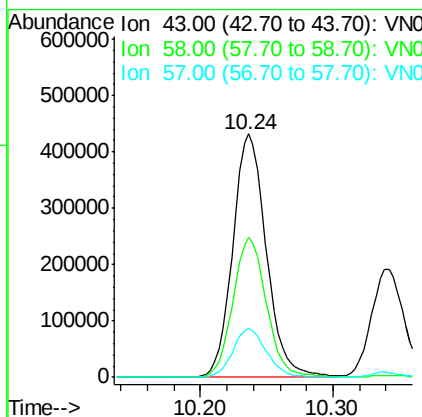
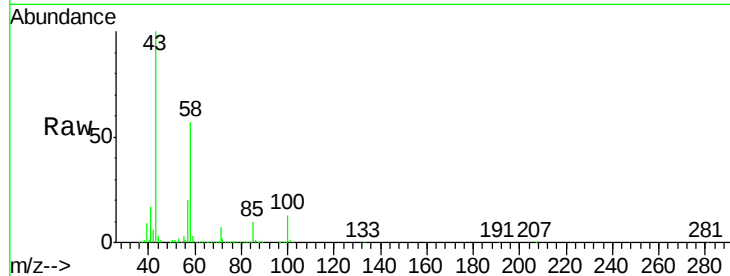
#59
2-Hexanone
Concen: 92.498 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.4	68.2
57	20.2	16.1	24.1

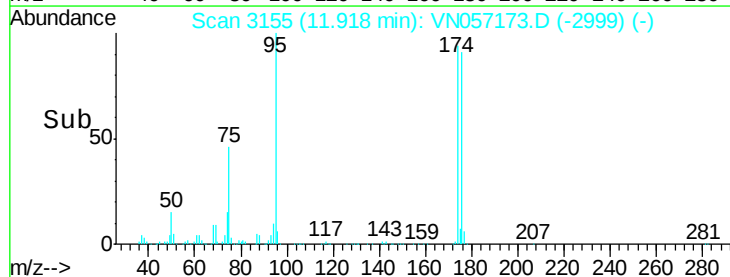
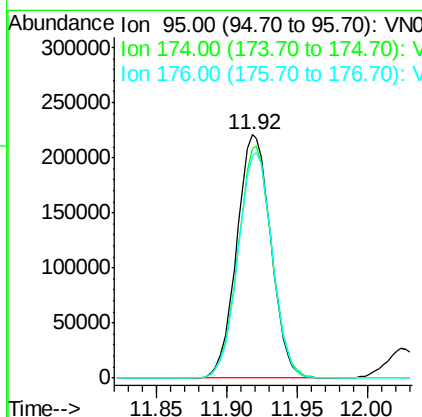
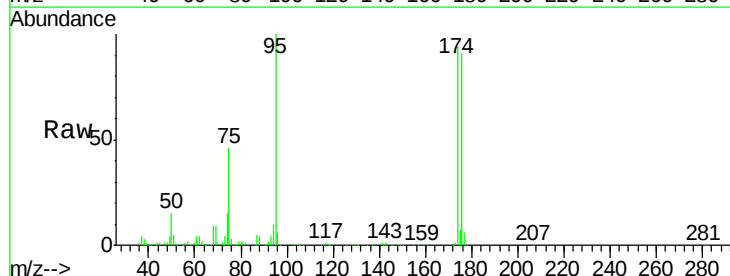
Manual Integrations
APPROVED

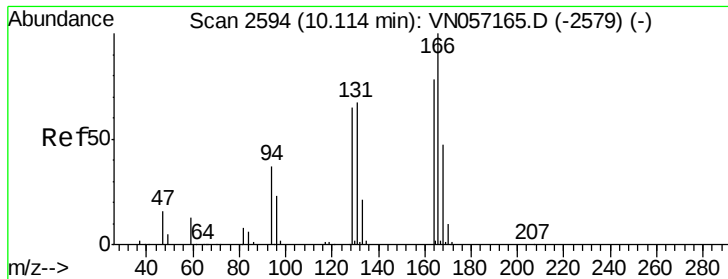
MMDadoda
8/12/2019 3:55:50 PM



#60
4-Bromofluorobenzene
Concen: 28.367 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	74.9	112.3
176	92.5	72.1	108.1





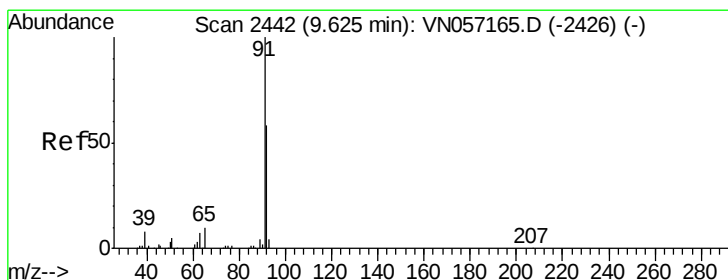
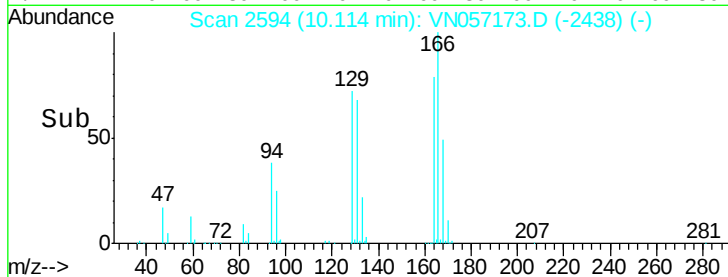
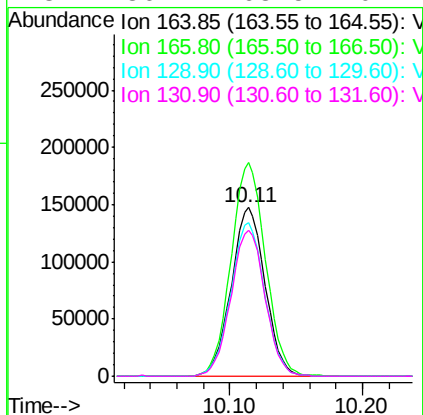
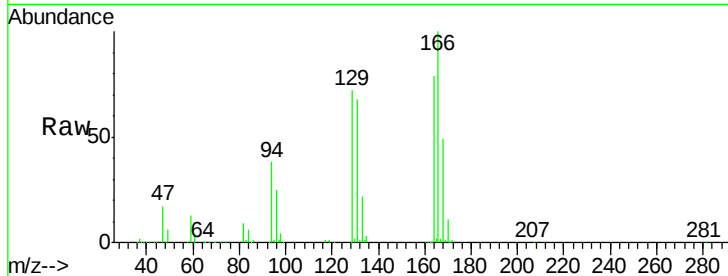
#61
Tetrachloroethene
Concen: 19.155 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.0	154.6
129	91.1	67.3	100.9
131	86.4	68.5	102.7

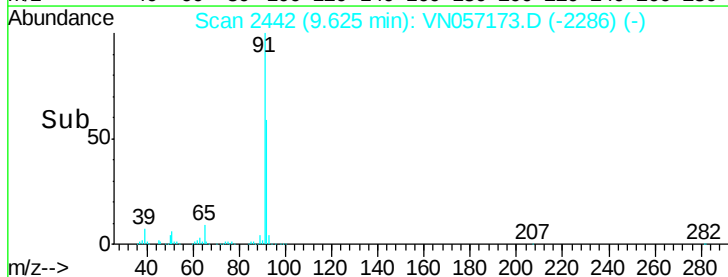
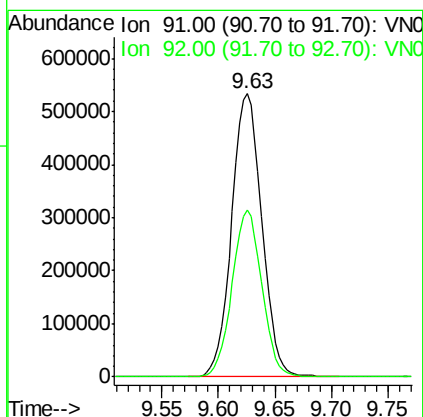
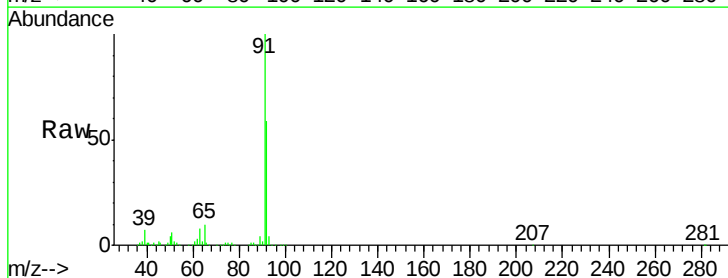
Manual Integrations
APPROVED

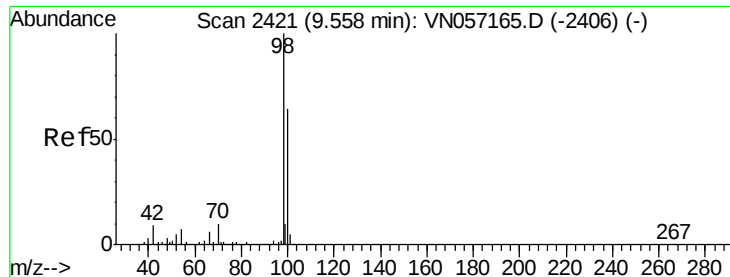
MMDadoda
8/12/2019 3:55:50 PM



#62
Toluene
Concen: 19.636 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.1	69.1





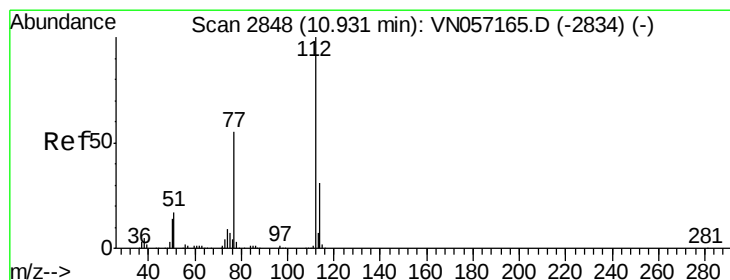
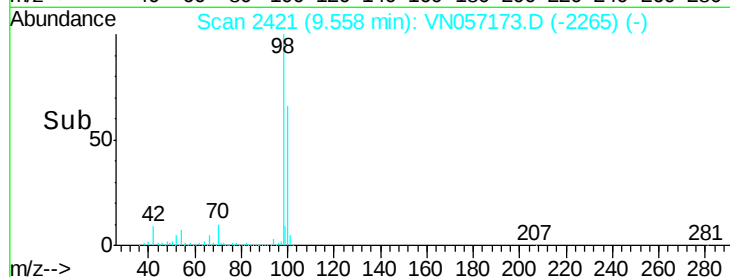
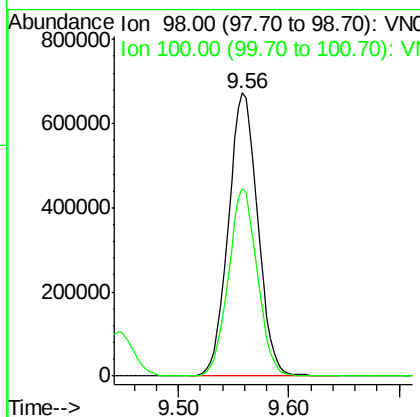
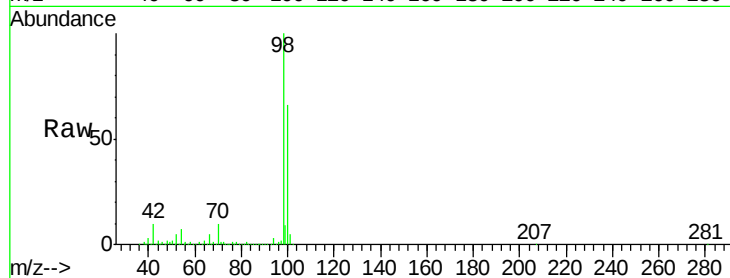
#63
Toluene-d8
Concen: 30.324 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion: 98 Resp: 1242757
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

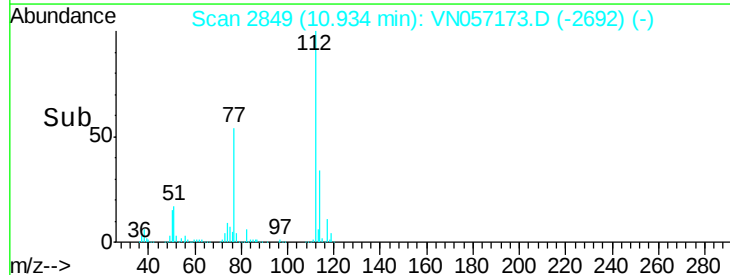
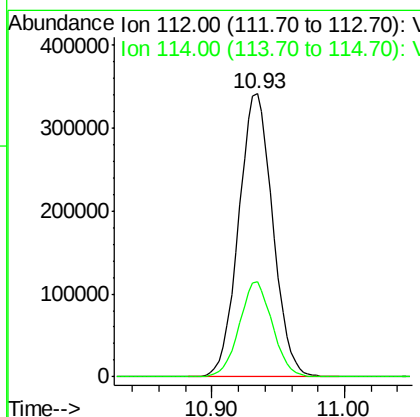
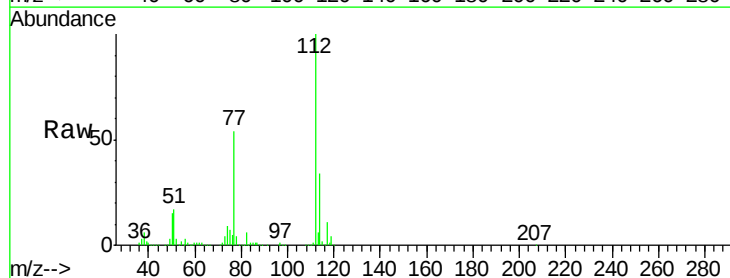
Manual Integrations
APPROVED

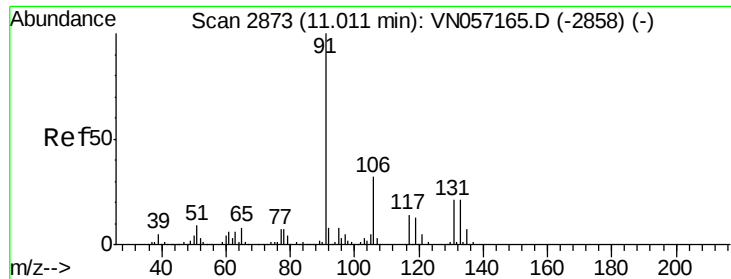
MMDadoda
8/12/2019 3:55:50 PM



#64
Chlorobenzene
Concen: 19.571 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 112 Resp: 608282
Ion Ratio Lower Upper
112 100
114 33.5 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.808 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

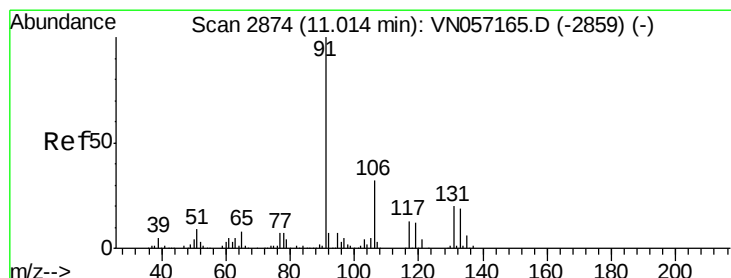
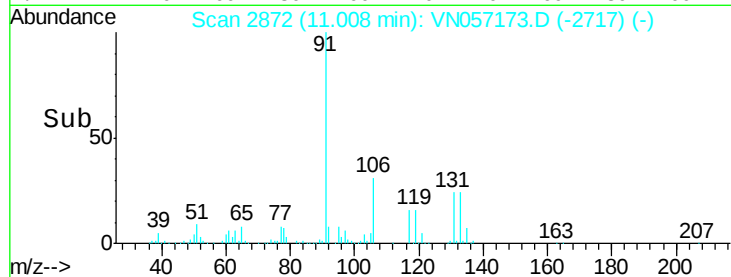
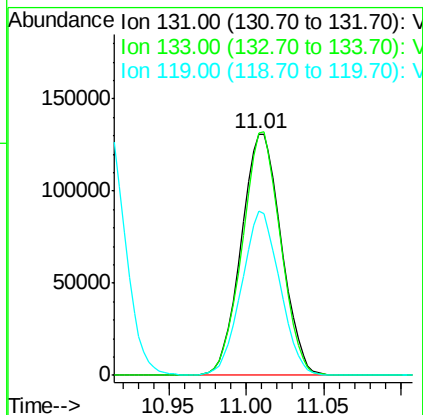
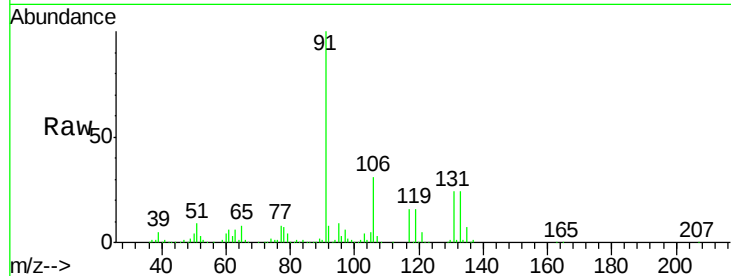
ClientSampleId :

VN0810WBS01

Tot Ion:	131	Resp:	236097
Ion Ratio	Lower	Upper	
131	100		
133	96.7	0.0	196.0
119	65.3	0.0	132.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.600 ug/l

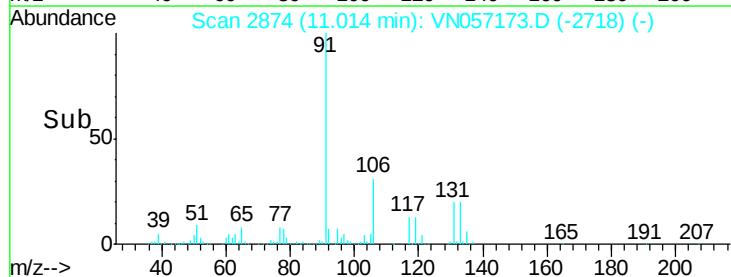
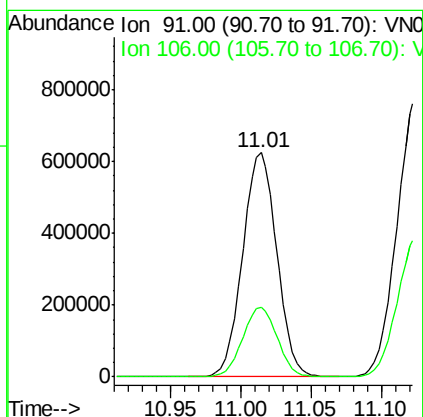
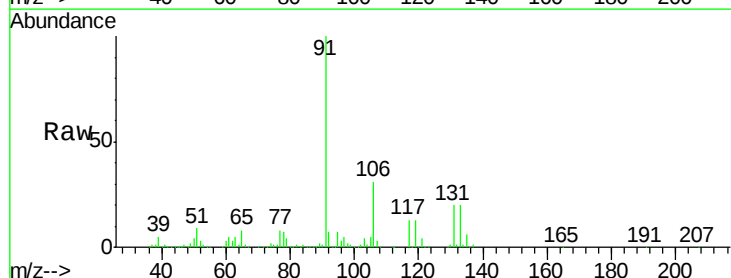
RT: 11.01 min Scan# 2874

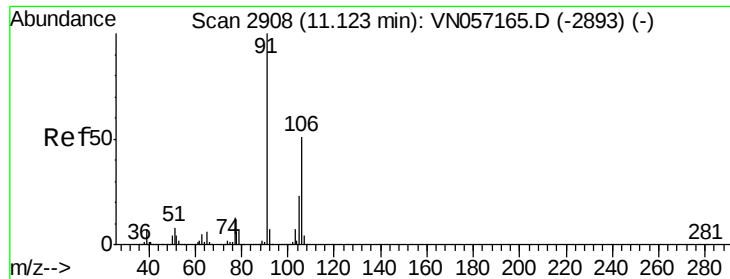
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	91	Resp:	1061702
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.3	37.9





#67

m/p-Xylenes

Concen: 38.528 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion:106 Resp: 787041

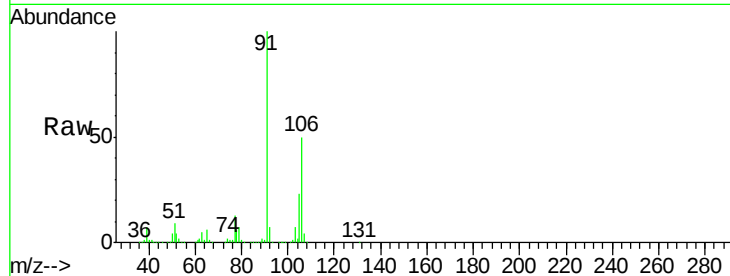
Ion Ratio Lower Upper

106 100

91 200.5 160.5 240.7

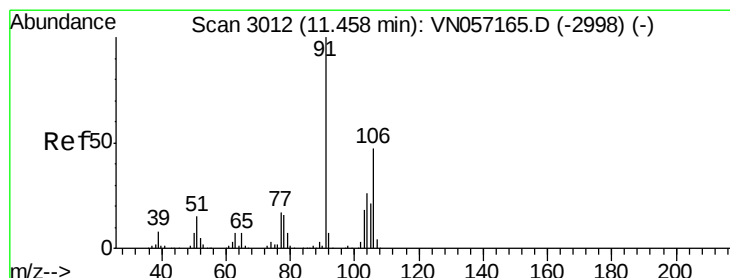
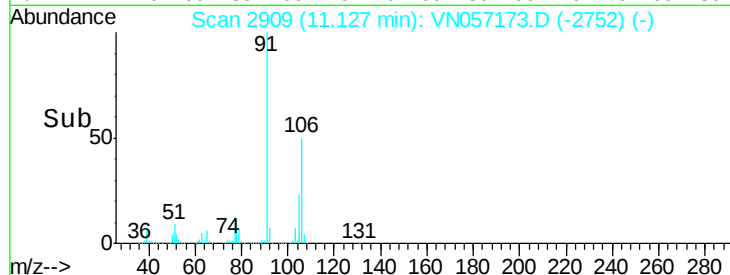
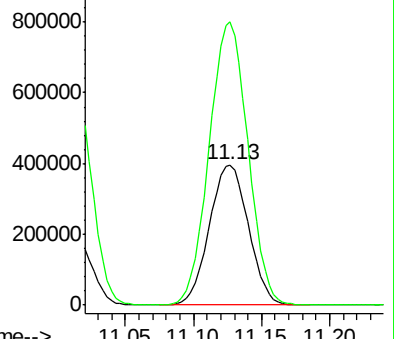
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.731 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VN057173.D

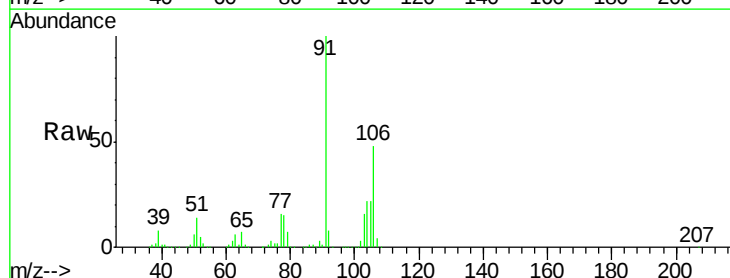
Acq: 10 Aug 2019 13:51

Tgt Ion:106 Resp: 391316

Ion Ratio Lower Upper

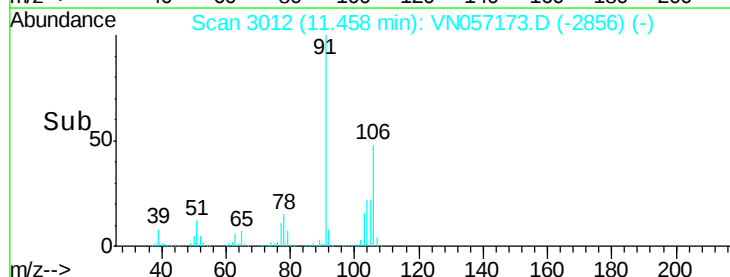
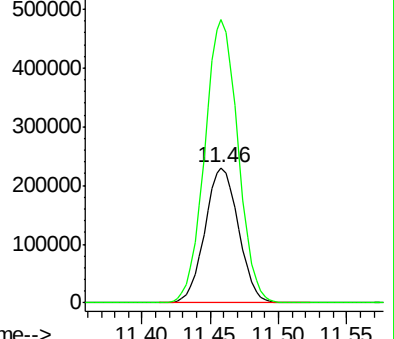
106 100

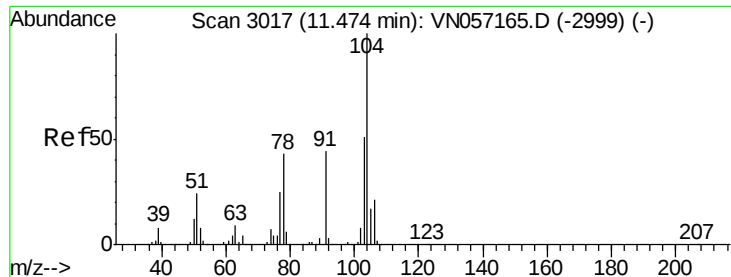
91 208.1 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





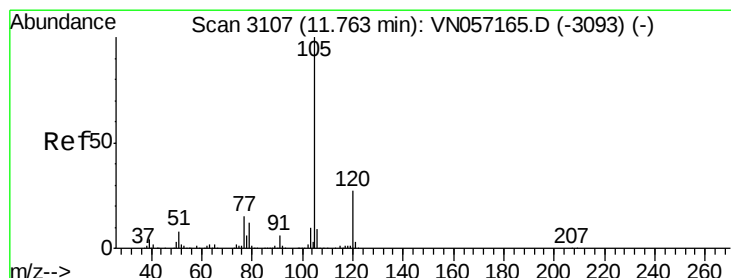
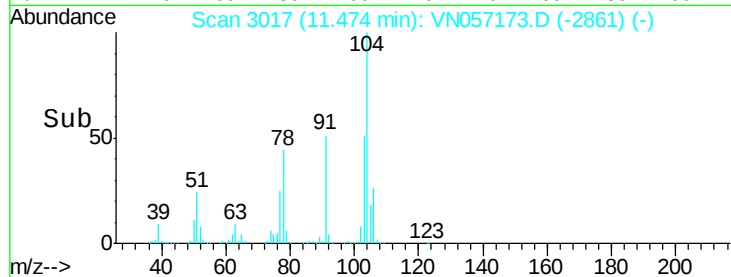
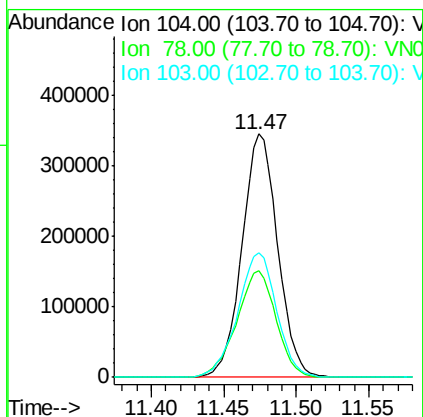
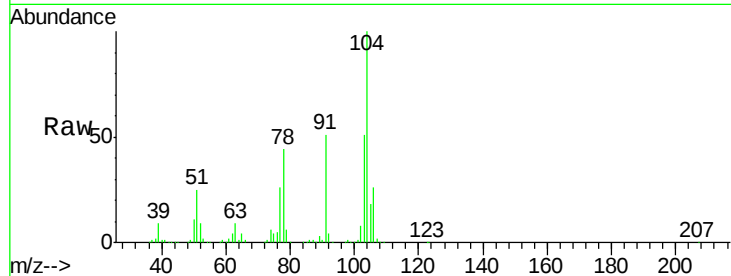
#69
Stvrene
Concen: 18.590 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.7	58.1
103	56.0	44.3	66.5

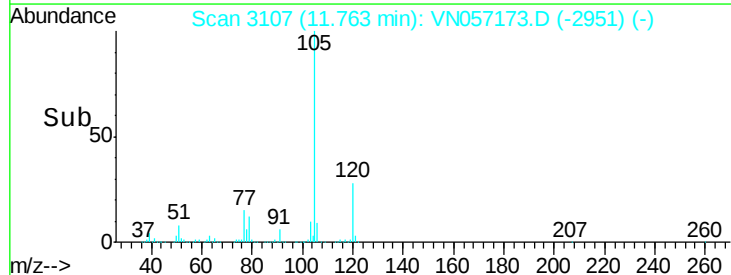
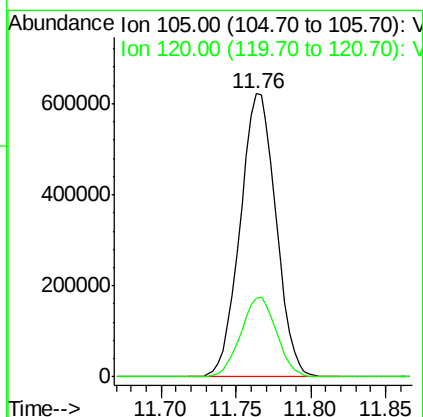
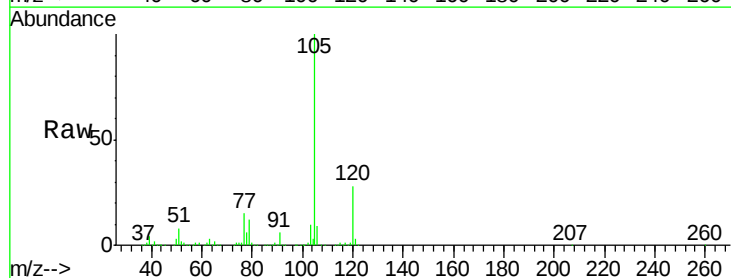
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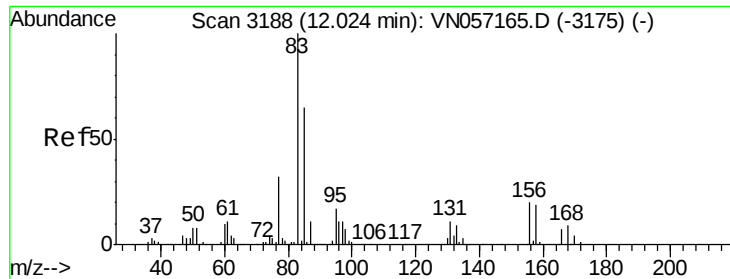
MMDadoda
8/12/2019 3:55:50 PM



#70
Isopropylbenzene
Concen: 19.388 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	19.1	35.5





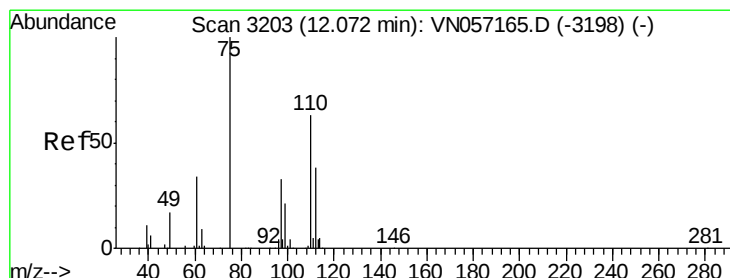
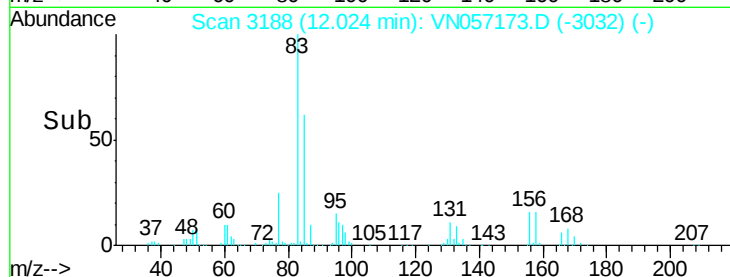
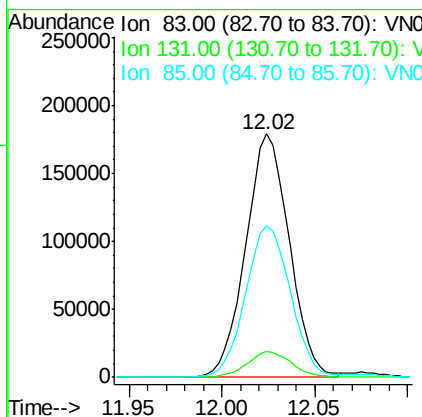
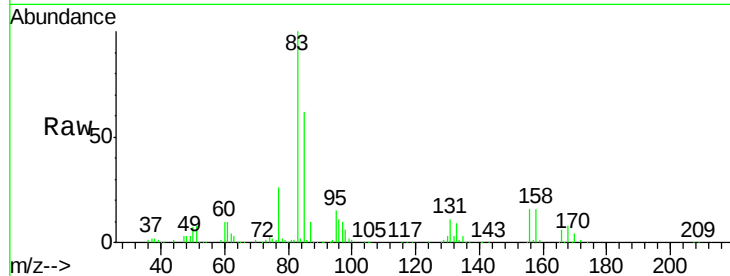
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.026 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	83	Resp	292854
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.5	16.5
85	64.0	32.6	98.0

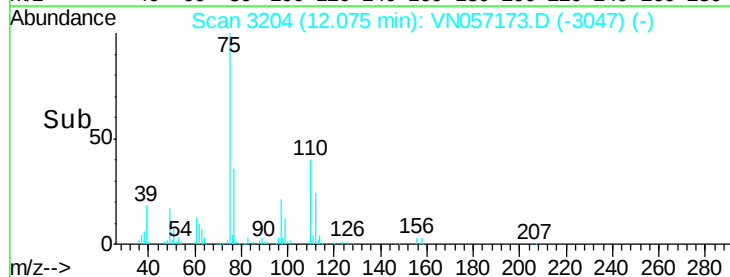
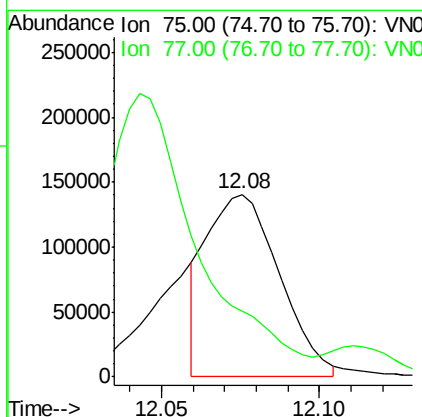
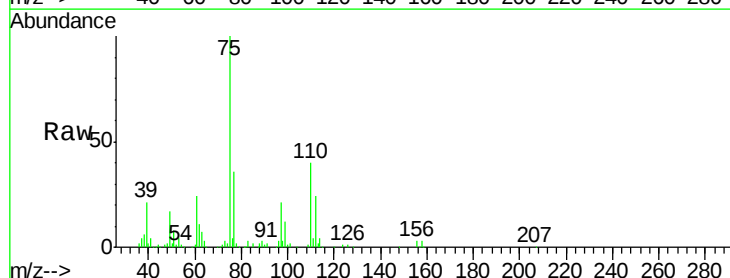
Manual Integrations
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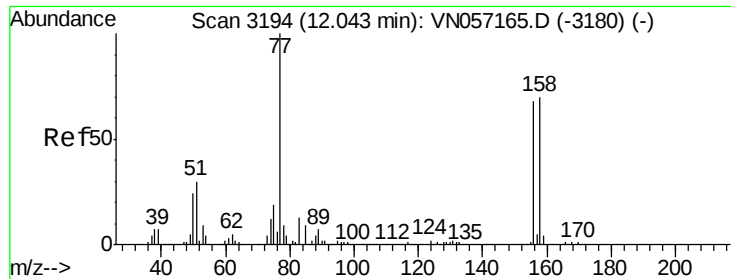
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#72
 1,2,3-Trichloropropane
 Concen: 17.690 ug/l m
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	75	Resp	226412
Ion Ratio	100	Lower	Upper
75	100		
77	203.0	0.0	379.4





#73

Bromobenzene

Concen: 18.635 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

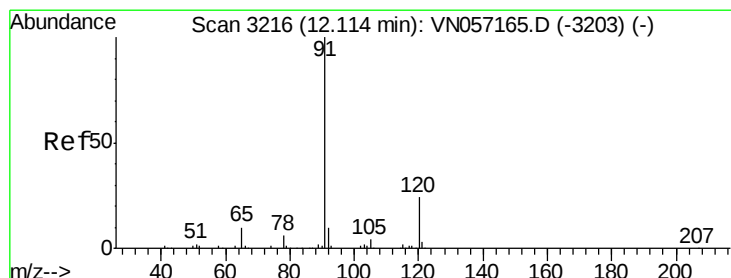
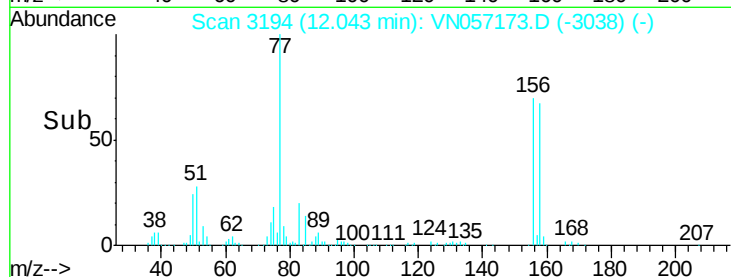
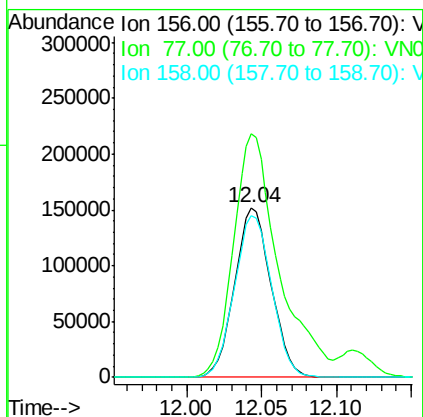
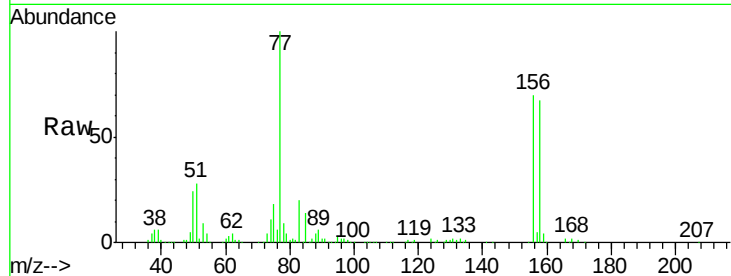
ClientSampleId :

VN0810WBS01

Tot Ion:	156	Resp:	258010
Ion Ratio	Lower	Upper	
156	100		
77	178.1	0.0	361.6
158	97.8	0.0	200.6

Manual Integrations
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8/12/2019 3:55:50 PM



#74

n-propylbenzene

Concen: 18.404 ug/l

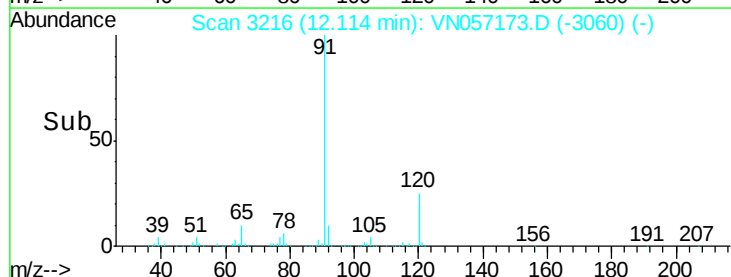
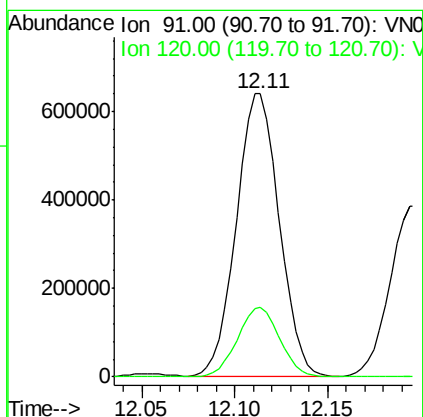
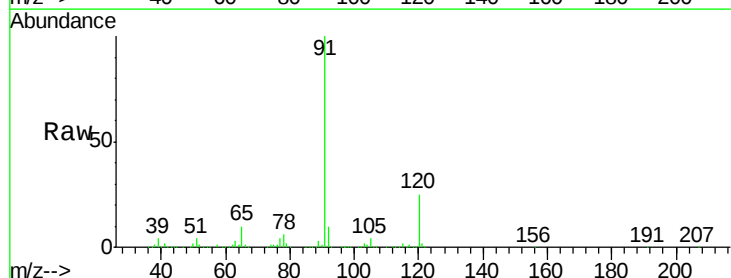
RT: 12.11 min Scan# 3216

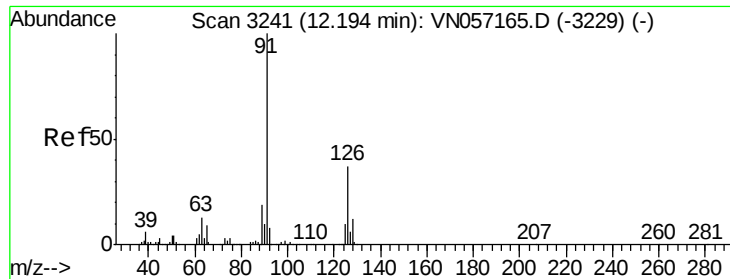
Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	91	Resp:	1031640
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	48.2





#75

2-Chlorotoluene

Concen: 18.915 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 91 Resp: 655806

Ion Ratio Lower Upper

91 100

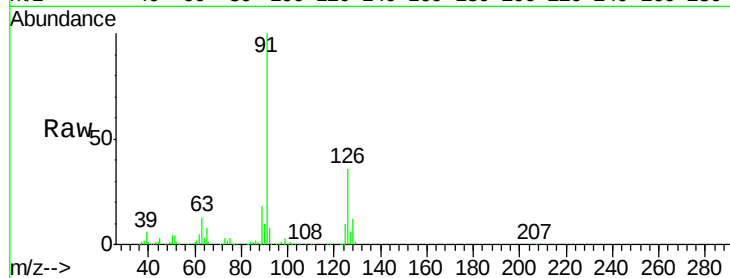
126 35.9 0.0 73.4

Manual Integrations

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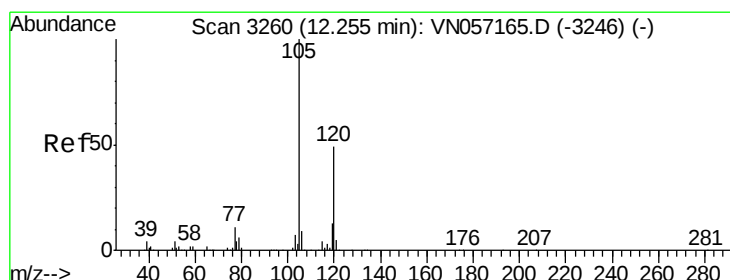
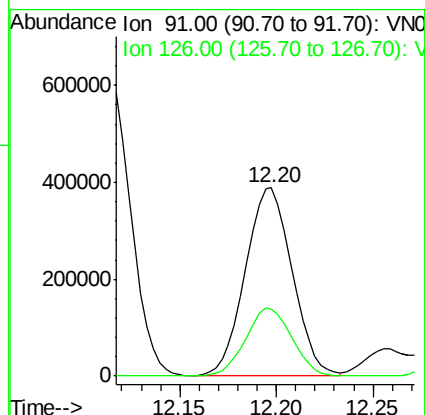
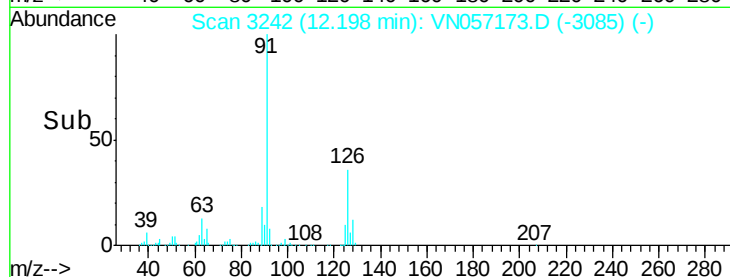
MMDadoda

8/12/2019 3:55:50 PM



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

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



#76

1,3,5-Trimethylbenzene

Concen: 19.280 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057173.D

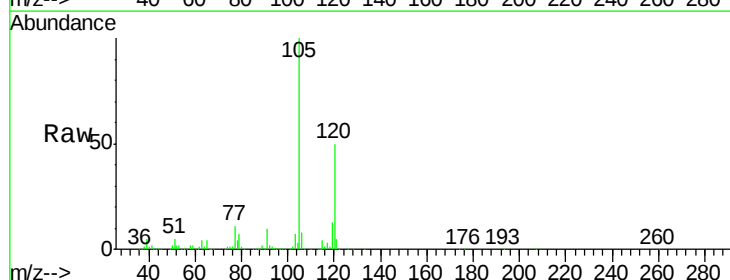
Acq: 10 Aug 2019 13:51

Tgt Ion: 105 Resp: 866796

Ion Ratio Lower Upper

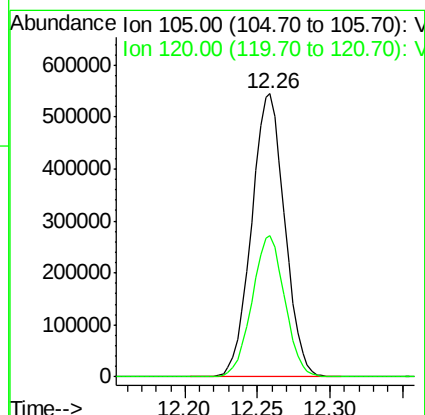
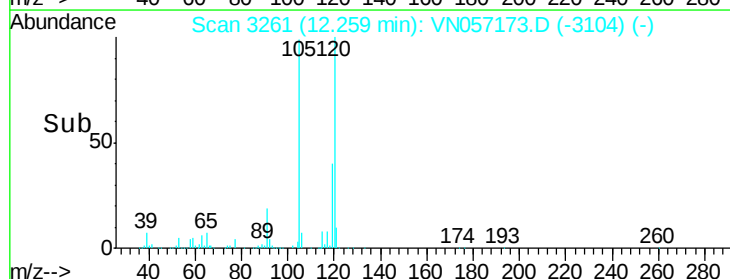
105 100

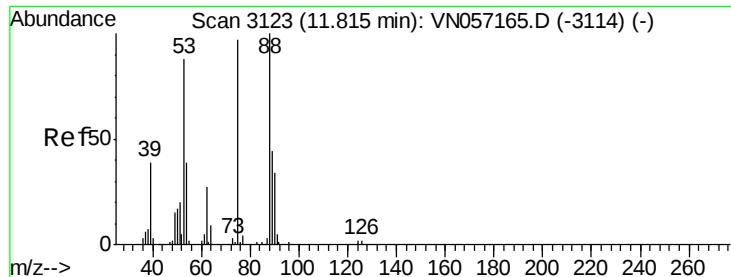
120 49.4 0.0 83.6



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 17.396 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 75 Resp: 74930

Ion Ratio Lower Upper

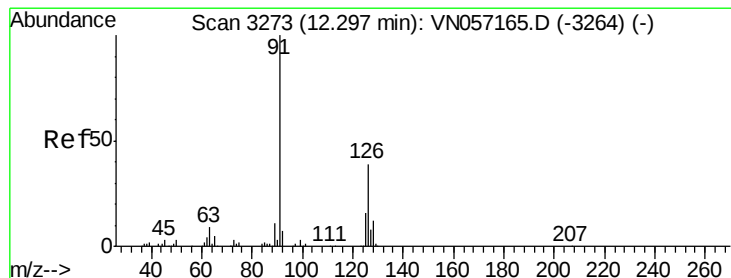
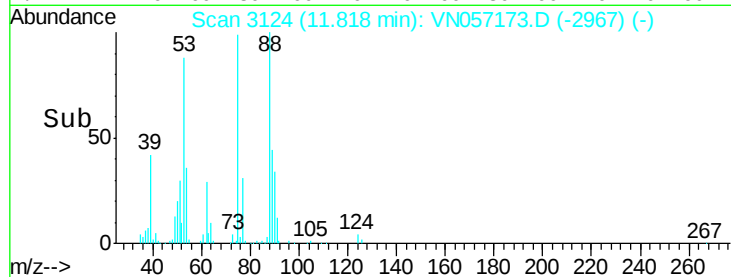
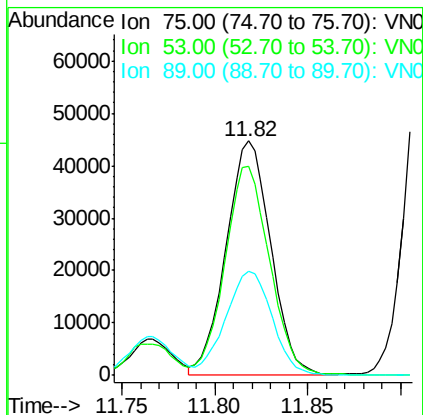
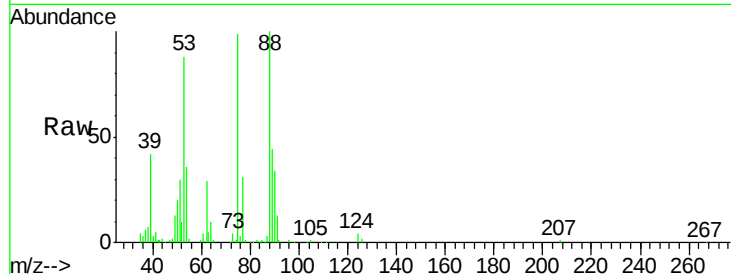
75 100

53 88.8 45.4 136.2

89 44.9 23.5 70.6

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.021 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057173.D

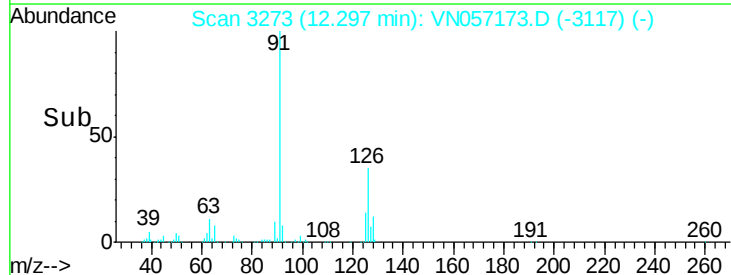
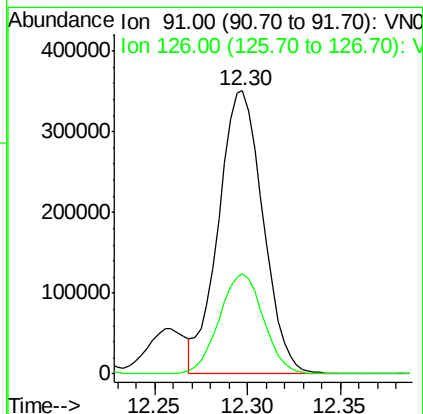
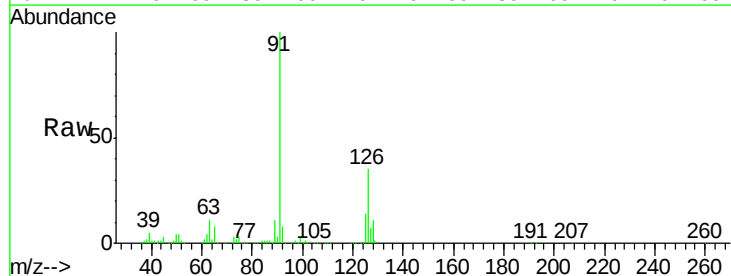
Acq: 10 Aug 2019 13:51

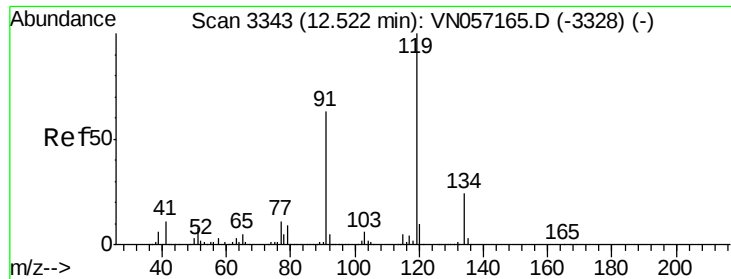
Tgt Ion: 91 Resp: 580269

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.2





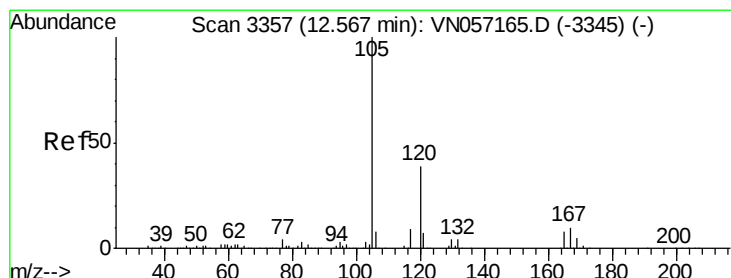
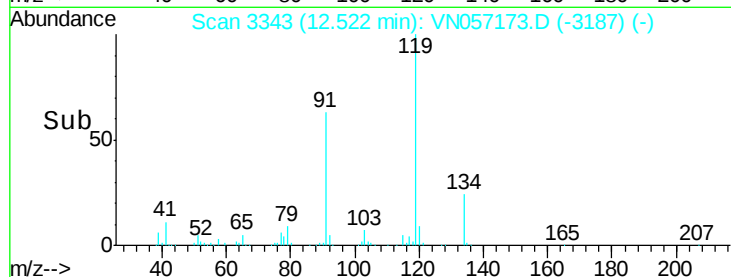
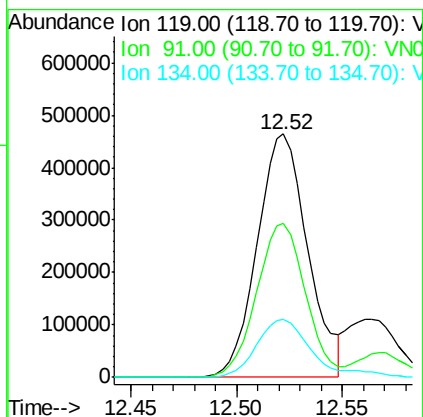
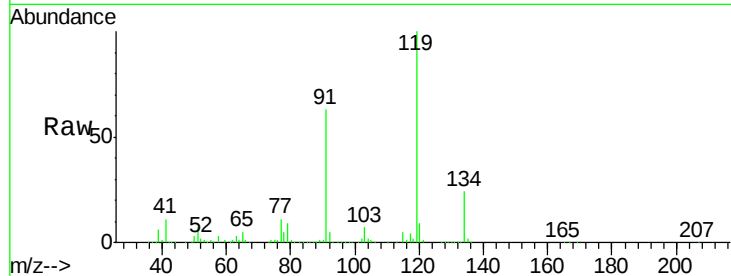
#79
tert-butylbenzene
Concen: 19.529 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	773854		
91	61.6	0.0	123.8	
134	26.1	0.0	48.6	

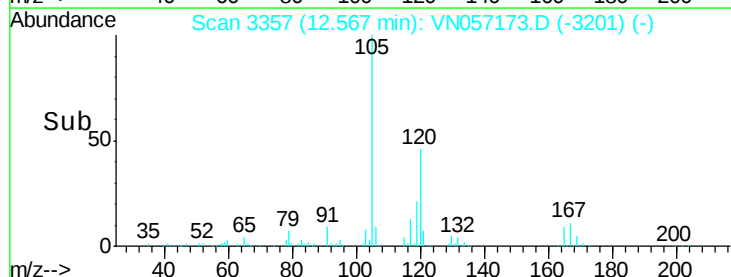
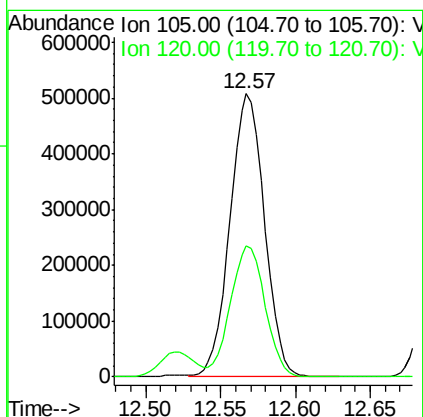
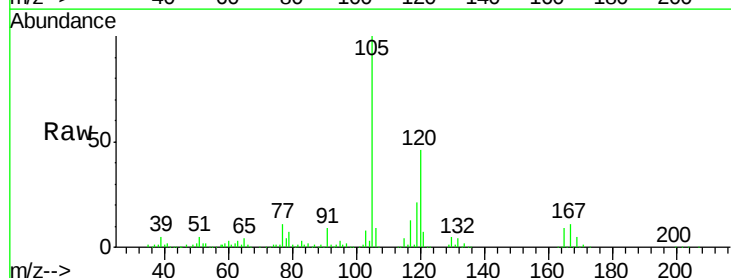
Manual Integrations
APPROVED

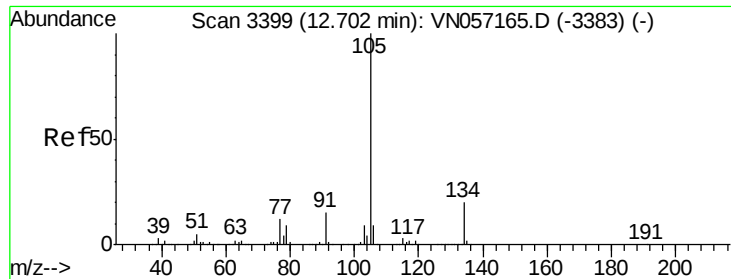
MMDadoda
8/12/2019 3:55:50 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.176 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	813015		
120	47.0	0.0	91.2	





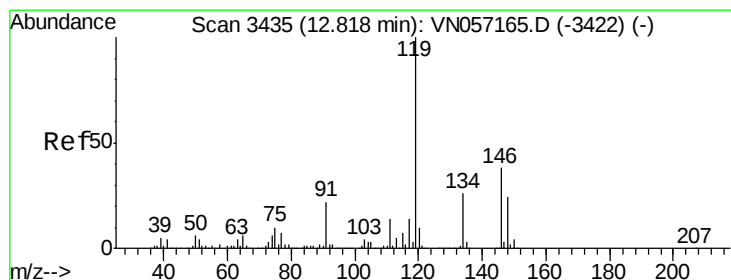
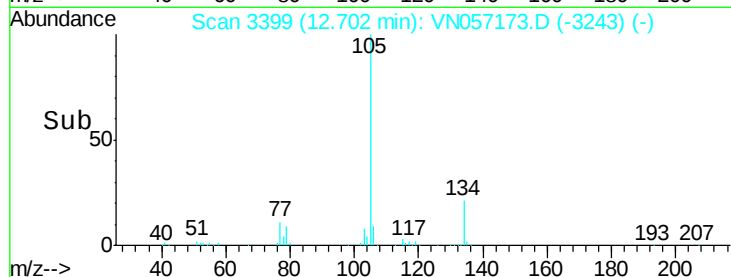
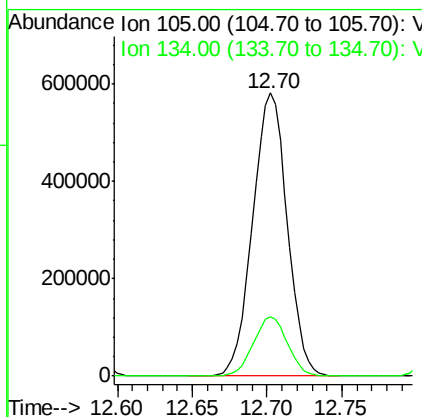
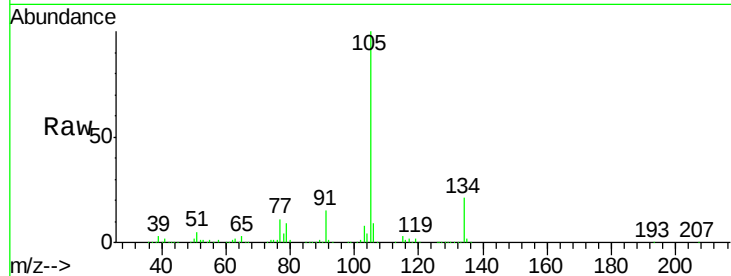
#81
 sec-Butylbenzene
 Concen: 18.633 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	930978		
134	20.8	0.0	40.6	

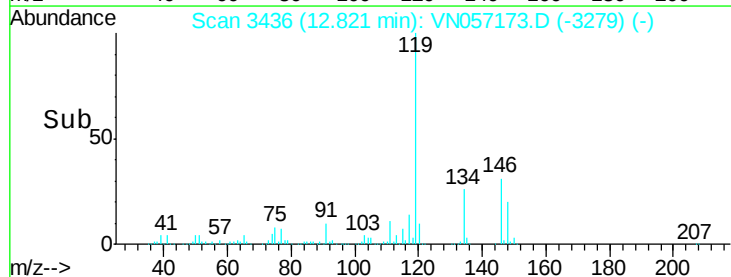
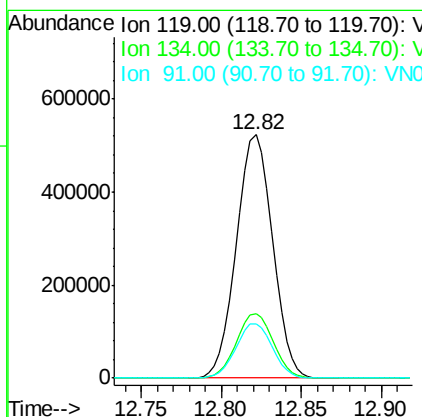
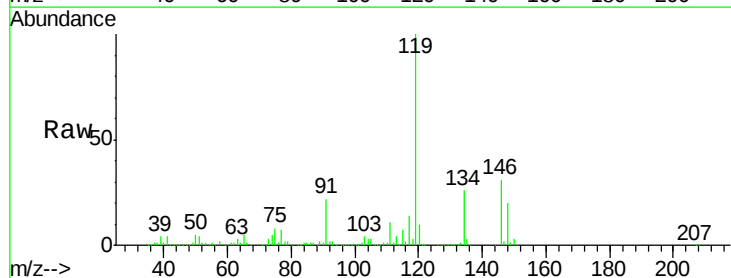
Manual Integrations
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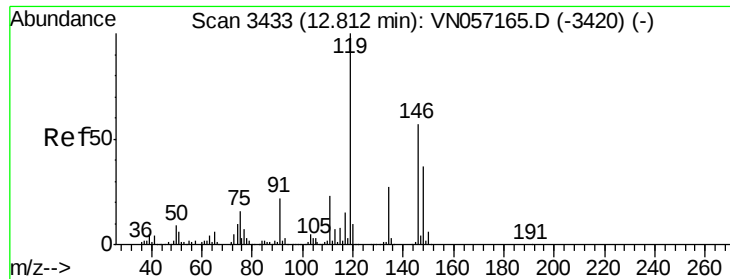
MMDadoda
 8/12/2019 3:55:50 PM



#82
 p-Isopropyltoluene
 Concen: 18.152 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	807554		
134	27.0	0.0	54.2	
91	22.5	0.0	44.4	





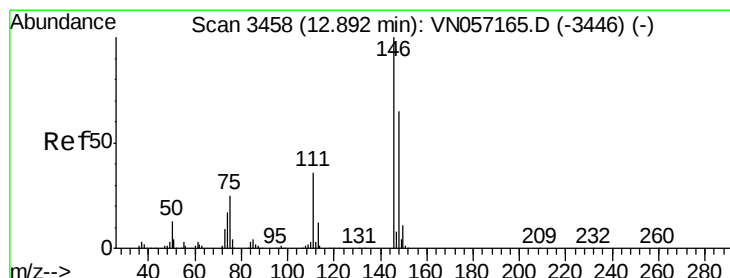
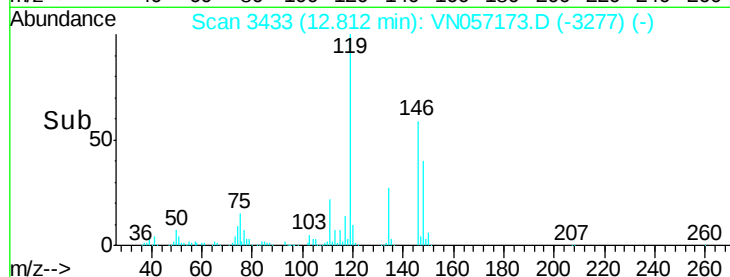
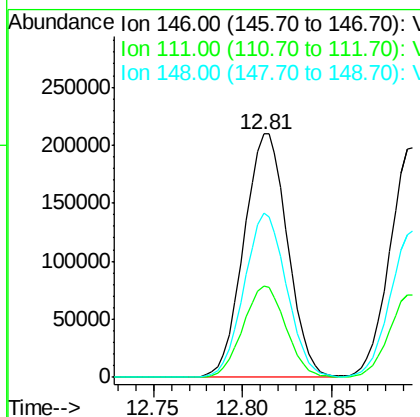
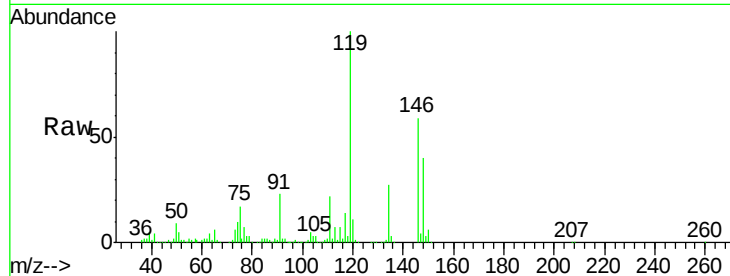
#83
 1,3-Dichlorobenzene
 Concen: 17.034 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.1	57.1
148	65.7	32.6	97.8

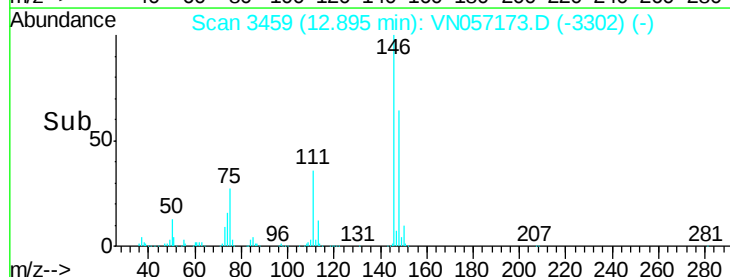
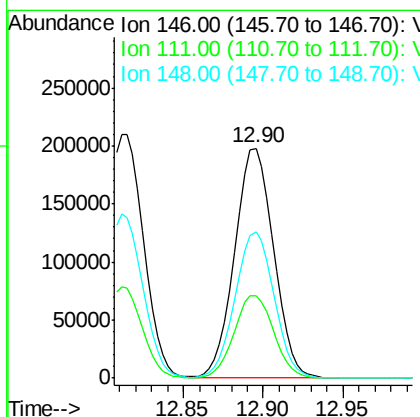
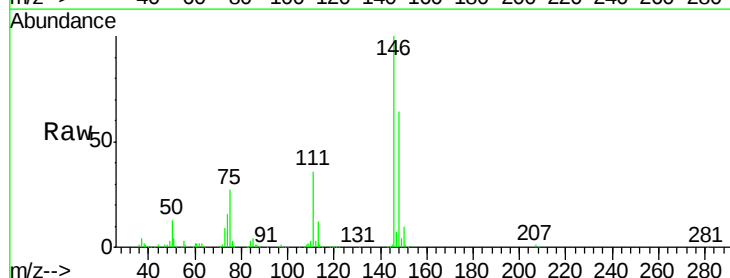
Manual Integrations
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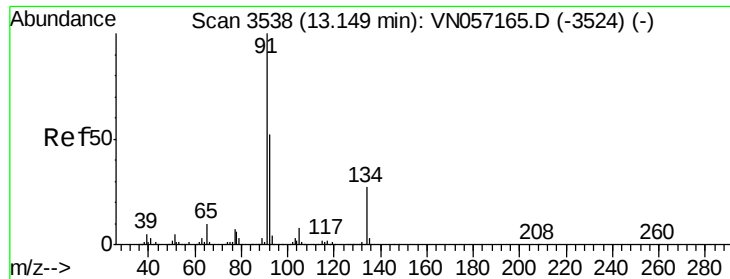
MMDadoda
 8/12/2019 3:55:50 PM



#84
 1,4-Dichlorobenzene
 Concen: 16.779 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.6	32.3	96.9





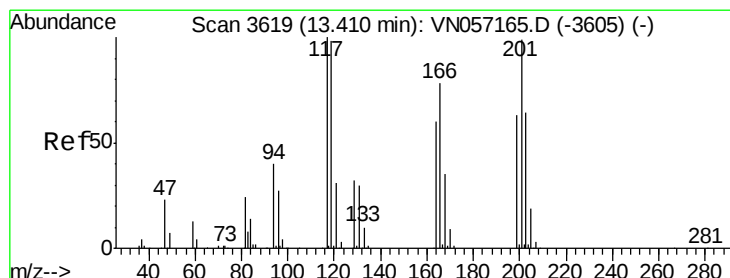
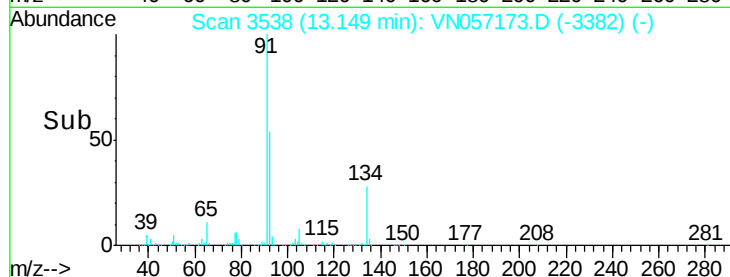
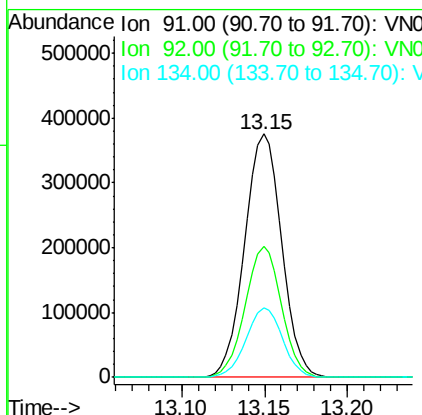
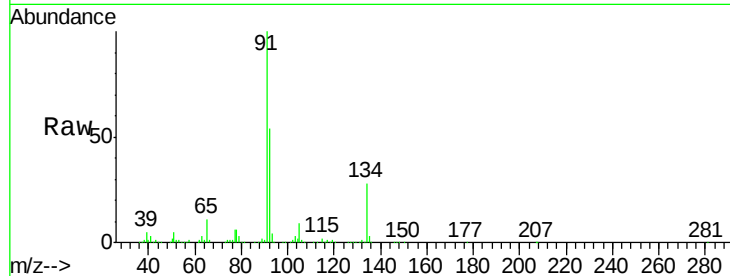
#85
n-Butylbenzene
Concen: 18.155 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	584012		
92	52.6	0.0	104.4	
134	28.3	0.0	55.0	

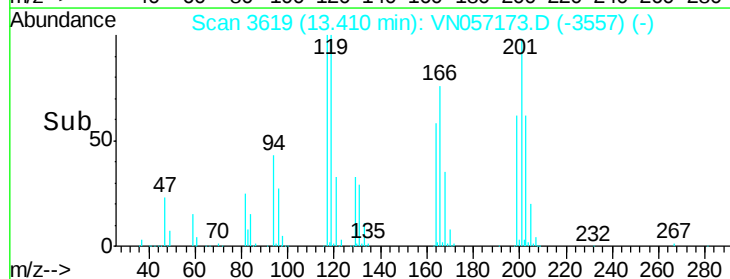
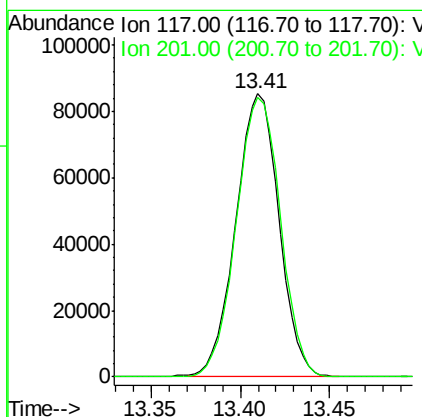
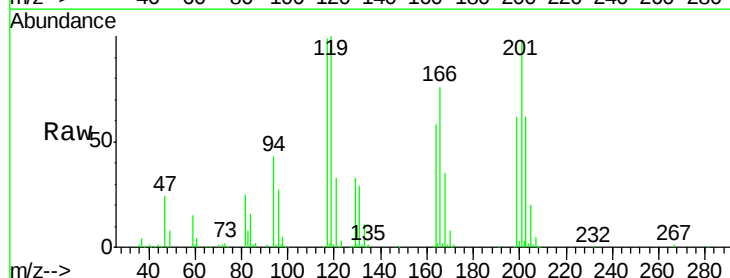
Manual Integrations
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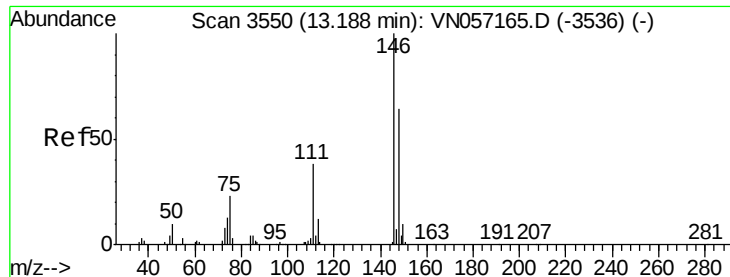
MMDadoda
8/12/2019 3:55:50 PM



#86
Hexachloroethane
Concen: 17.808 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	144056		
201	100.8	49.3	147.9	





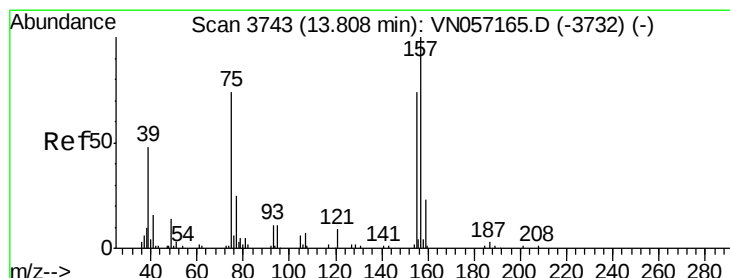
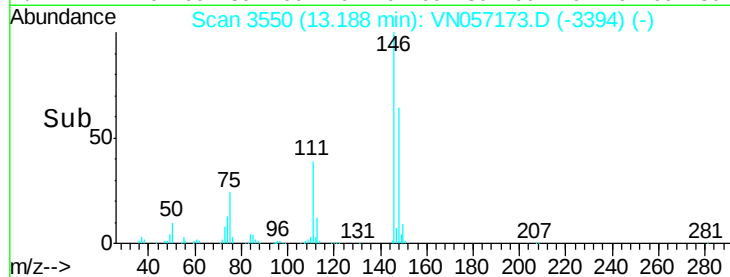
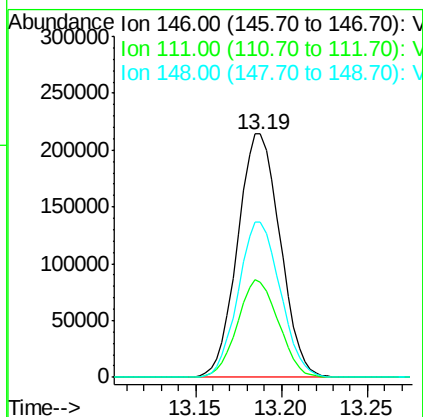
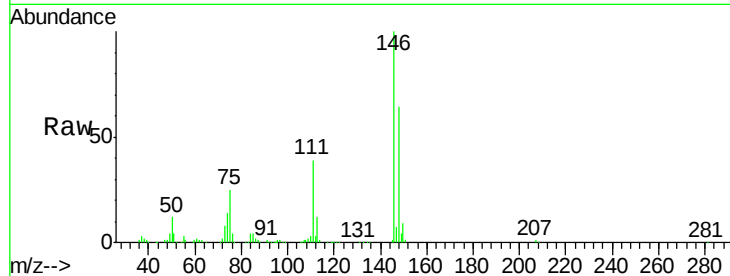
#87
 1,2-Dichlorobenzene
 Concen: 17.599 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	367945		
111	38.6	18.9	56.5	
148	63.2	32.4	97.0	

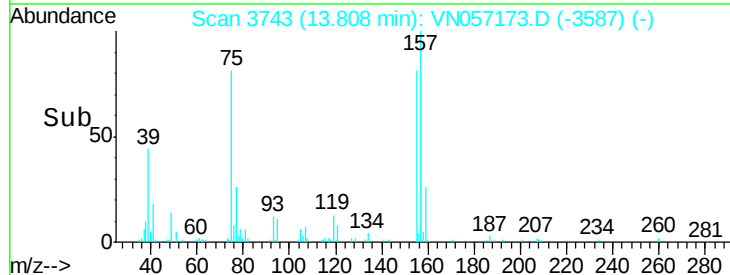
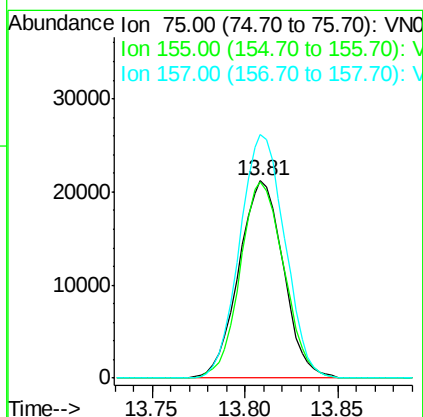
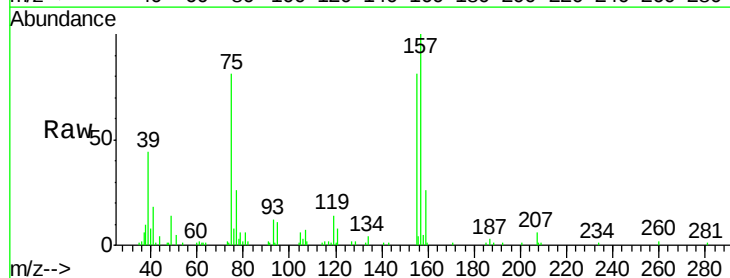
Manual Integrations
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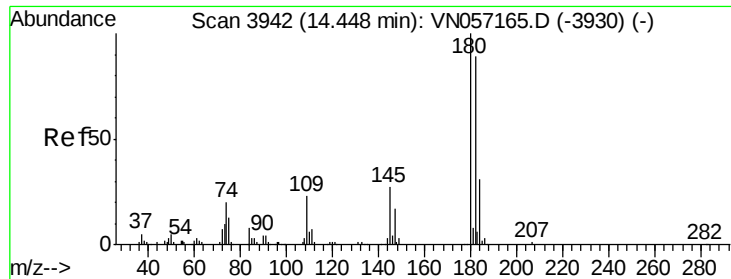
MMDadoda
 8/12/2019 3:55:50 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.267 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35428		
155	97.9	80.9	121.3	
157	124.9	111.3	166.9	





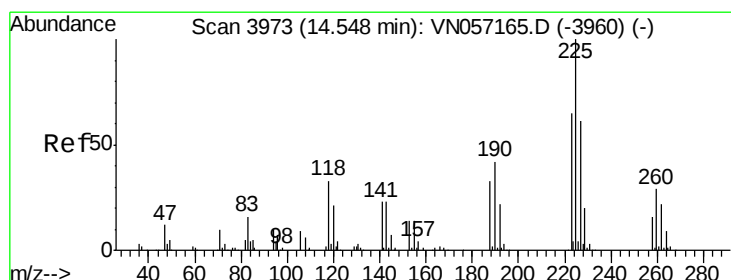
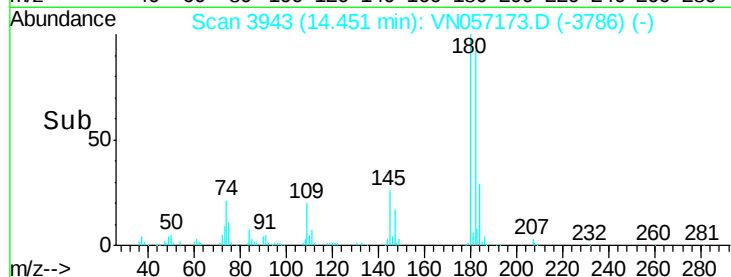
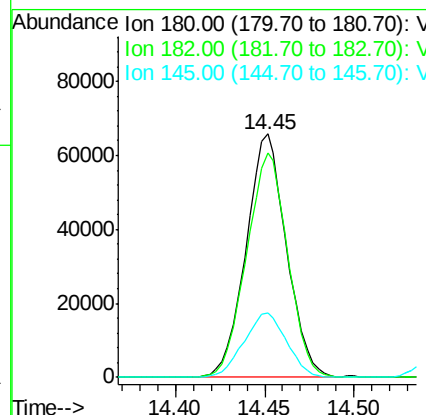
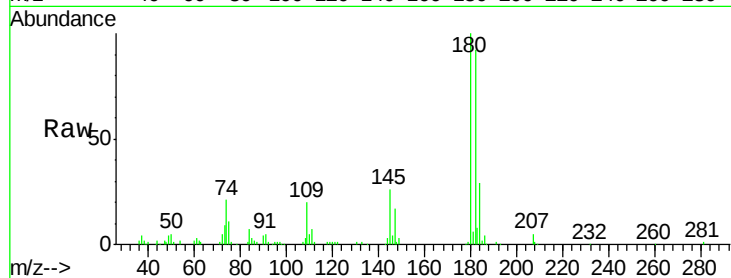
#89
 1,2,4-Trichlorobenzene
 Concen: 17.356 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104476		
182	93.8	75.0	112.6	
145	28.0	21.7	32.5	

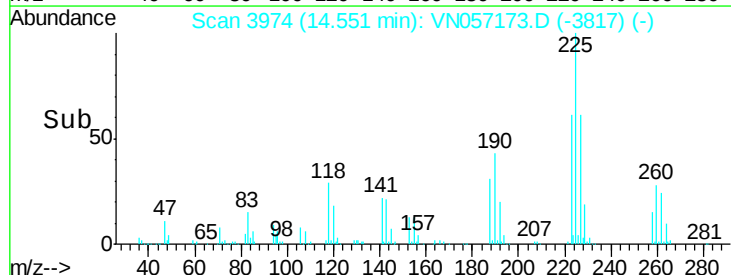
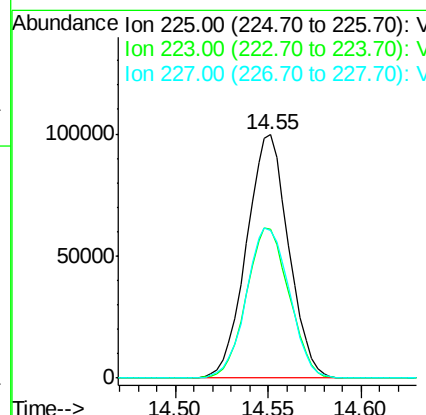
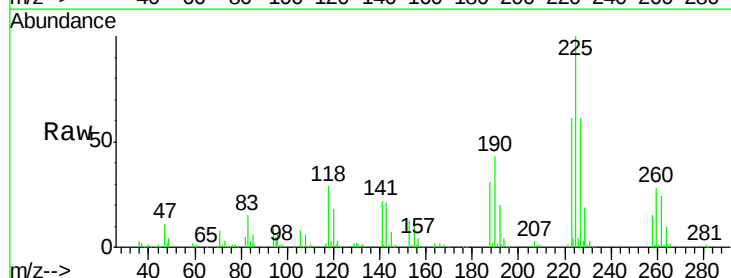
Manual Integrations
 APPROVED

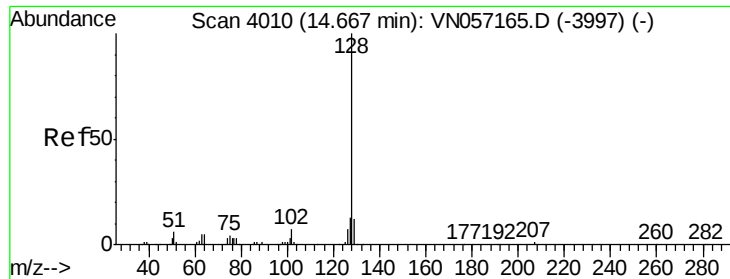
MMDadoda
 8/12/2019 3:55:50 PM



#90
 Hexachlorobutadiene
 Concen: 17.407 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156901		
223	62.7	0.0	128.0	
227	63.2	0.0	125.6	





#91

Naphthalene

Concen: 12.339 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

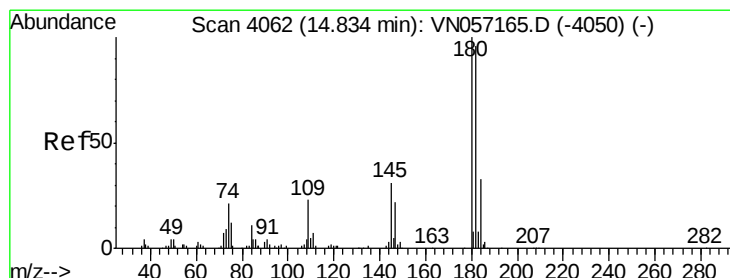
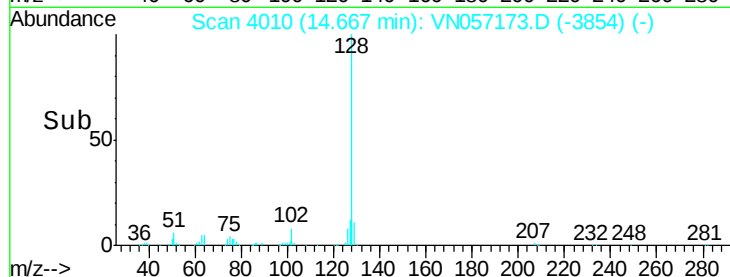
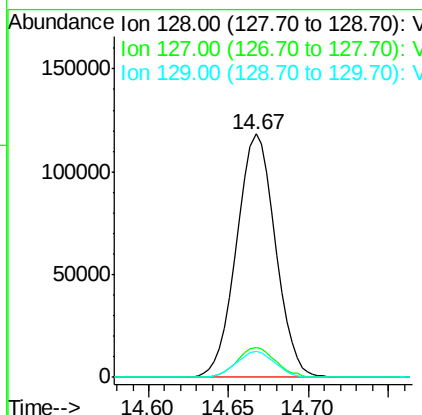
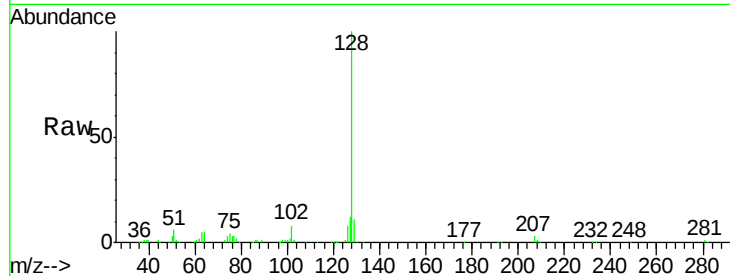
ClientSampleId :

VN0810WBS01

Tot Ion:	128	Resp:	195819
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.4
129	10.5	8.6	13.0

Manual Integrations
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8/12/2019 3:55:50 PM



#92

1,2,3-Trichlorobenzene

Concen: 18.458 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion:	180	Resp:	112954
Ion Ratio	Lower	Upper	
180	100		
182	93.8	0.0	195.8
145	29.0	0.0	61.2

