

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057561.D
 Acq On : 29 Aug 2019 20:27
 Operator : JC/SP
 Sample : VN0829WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 11:35:13 AM

Quant Time: Aug 30 13:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	693224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	364575	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
35) Dibromofluoromethane	7.58	113	296250	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.08	98	1167392	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.40	95	359412	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	98971	20.165	ug/l	100
3) Chloromethane	2.06	50	97143	19.823	ug/l	98
4) Vinyl Chloride	2.18	62	152656	21.116	ug/l	96
5) Bromomethane	2.55	94	134582	21.618	ug/l	100
6) Chloroethane	2.70	64	99900	20.610	ug/l	95
7) Trichlorofluoromethane	3.01	101	318135	21.186	ug/l	98
8) Diethyl Ether	3.40	74	99249	19.892	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182893	20.796	ug/l #	84
10) Methyl Iodide	3.93	142	294342	20.446	ug/l	95
11) Tert butyl alcohol	4.80	59	63588	90.191	ug/l	97
12) 1,1-Dichloroethene	3.72	96	175709	21.231	ug/l #	73
13) Acrolein	3.60	56	58786	97.378	ug/l	94
14) Allyl chloride	4.30	41	116869	19.292	ug/l #	84
15) Acrylonitrile	4.98	53	169287	96.976	ug/l	98
16) Acetone	3.81	43	253835	87.835	ug/l	95
17) Carbon Disulfide	4.03	76	204226	18.051	ug/l	97
18) Methyl Acetate	4.32	43	85506	19.975	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	293930	18.644	ug/l	94
20) Methylene Chloride	4.53	84	96212	17.972	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	96278	18.597	ug/l #	79
22) Diisopropyl ether	5.94	45	277101	20.405	ug/l #	94
23) Vinyl Acetate	5.88	43	1091234	102.833	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	173101	19.358	ug/l	99
25) 2-Butanone	6.83	43	218882	95.956	ug/l #	82
26) 2,2-Dichloropropane	6.80	77	156968	17.193	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	122500	19.538	ug/l	82
28) Bromochloromethane	7.18	49	83335	22.170	ug/l #	58
29) Tetrahydrofuran	7.20	42	144928	101.595	ug/l #	74
30) Chloroform	7.36	83	216573	19.517	ug/l	99
31) Cyclohexane	7.64	56	167133	20.126	ug/l #	82
32) 1,1,1-Trichloroethane	7.56	97	200087	20.284	ug/l	95
36) 1,1-Dichloropropene	7.78	75	149794	19.975	ug/l	95
37) Ethyl Acetate	6.92	43	101079	20.344	ug/l #	93
38) Carbon Tetrachloride	7.76	117	169214	19.296	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	189182	19.828	ug/l #	86
40) Benzene	8.03	78	452144	19.688	ug/l	99
41) Methacrylonitrile	7.16	41	44244	20.236	ug/l #	82
42) 1,2-Dichloroethane	8.11	62	167539	20.497	ug/l	97
43) Isopropyl Acetate	8.16	43	185351	19.986	ug/l #	91
44) Trichloroethene	8.83	130	125364	19.768	ug/l	87
45) 1,2-Dichloropropane	9.11	63	107447	20.022	ug/l	99
46) Dibromomethane	9.20	93	83121	19.753	ug/l #	89
47) Bromodichloromethane	9.40	83	167581	19.316	ug/l	99
48) Methyl methacrylate	9.19	41	84120	19.205	ug/l #	79
49) 1,4-Dioxane	9.20	88	30069	376.183	ug/l #	79
51) 4-Methyl-2-Pentanone	9.98	43	503932	101.670	ug/l	88
52) Toluene	10.15	92	299605	20.137	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	159475	19.021	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	178183	19.622	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	113032	19.753	ug/l	94
56) Ethyl methacrylate	10.43	69	150137	19.712	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	180430	19.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	186035	104.107	ug/l #	85
59) 2-Hexanone	10.75	43	339443	99.193	ug/l	86
60) Dibromochloromethane	10.90	129	125198	19.181	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117468	19.617	ug/l	97
64) Tetrachloroethene	10.63	164	125474	19.358	ug/l	95
65) Chlorobenzene	11.43	112	316402	19.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	124198	19.880	ug/l	98
67) Ethyl Benzene	11.51	91	576649	20.729	ug/l	97
68) m/p-Xylenes	11.62	106	431162	40.694	ug/l	93
69) o-Xylene	11.95	106	206767	19.433	ug/l	97
70) Styrene	11.96	104	331650	20.651	ug/l	96
71) Bromoform	12.13	173	81446	19.530	ug/l #	98
73) Isopropylbenzene	12.25	105	567523	20.738	ug/l	97
74) N-amyl acetate	12.07	43	144178	24.097	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.51	83	136303	23.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	117327m	22.734	ug/l	
77) Bromobenzene	12.53	156	128269	19.995	ug/l	73
78) n-propylbenzene	12.59	91	576833	20.983	ug/l	96
79) 2-Chlorotoluene	12.68	91	350102	20.446	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	473216	21.731	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	32654	18.881	ug/l	96
82) 4-Chlorotoluene	12.78	91	324164	20.404	ug/l	93
83) tert-Butylbenzene	12.99	119	411802	22.973	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	443999	22.293	ug/l	100
85) sec-Butylbenzene	13.17	105	508784	21.256	ug/l	98
86) p-Isopropyltoluene	13.29	119	436649	21.224	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	188303	20.211	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179202	20.058	ug/l	96
89) n-Butylbenzene	13.62	91	320672	20.576	ug/l	96
90) Hexachloroethane	13.88	117	80153	18.514	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	187575	21.572	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18600	19.068	ug/l	72

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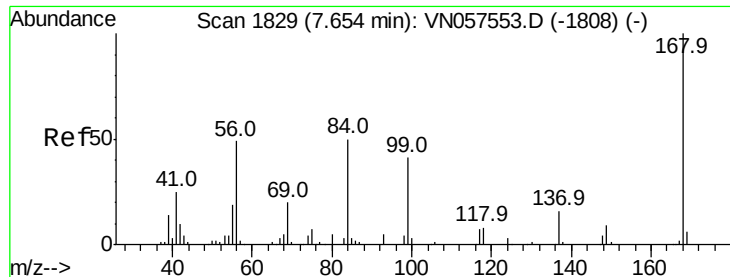
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 08:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51859	17.075	ug/l	96
94) Hexachlorobutadiene	15.01	225	61860	21.586	ug/l	98
95) Naphthalene	15.13	128	150594	17.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	50083	17.042	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion:168 Resp: 436799

Ion Ratio Lower Upper

168 100

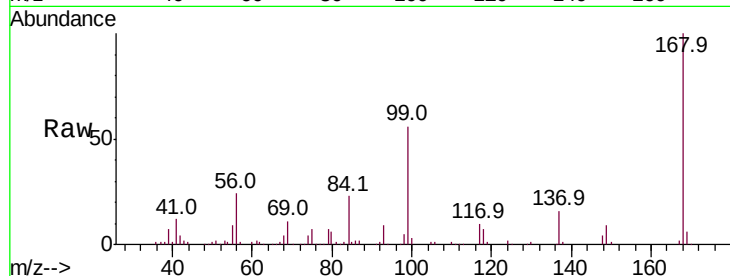
99 55.6 50.6 76.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

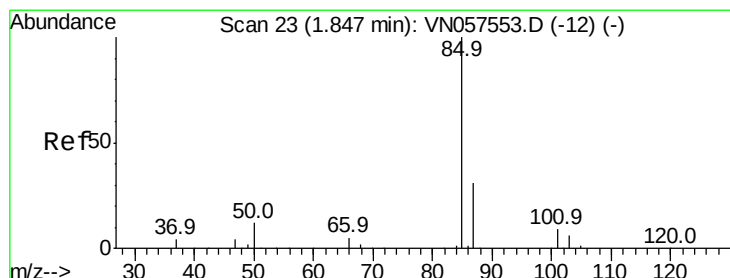
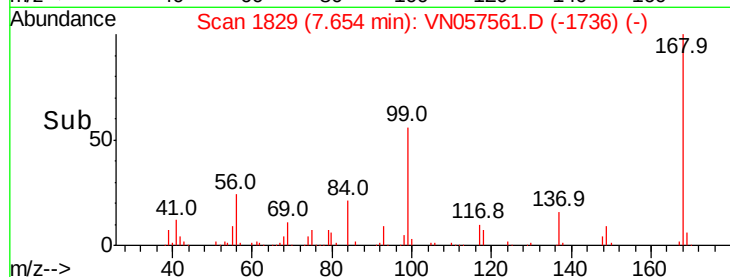
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.165 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057561.D

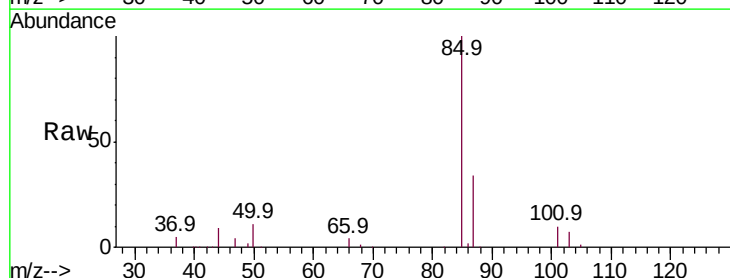
Acq: 29 Aug 2019 20:27

Tgt Ion: 85 Resp: 98971

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

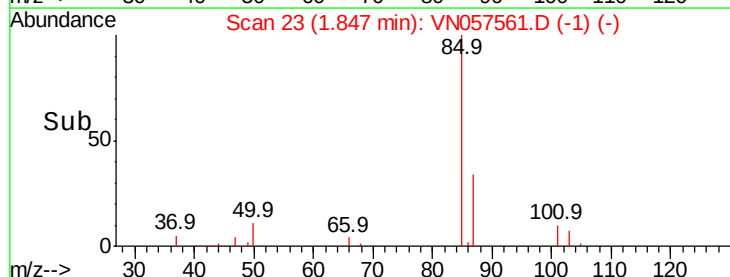
40000

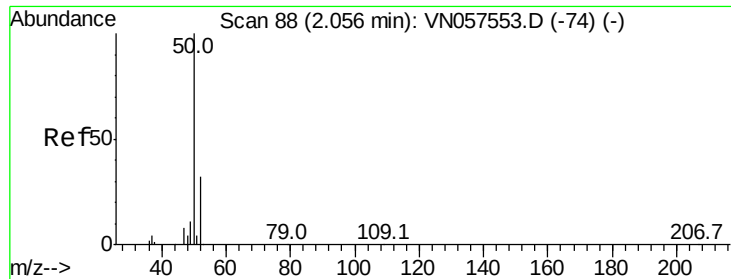
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.823 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 50 Resp: 97143

Ion Ratio Lower Upper

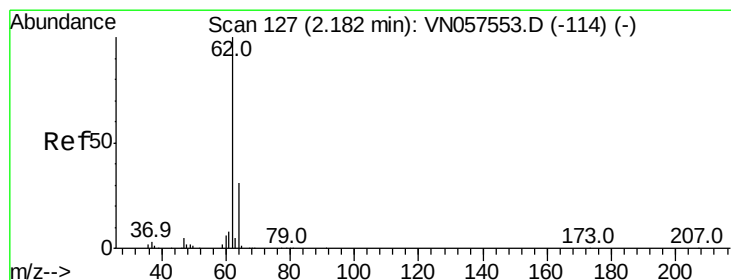
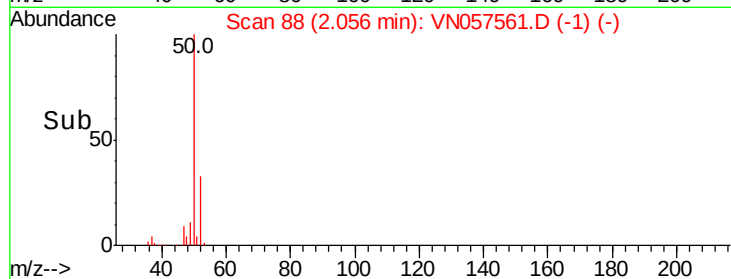
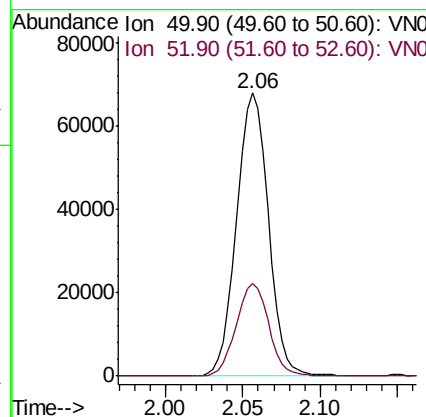
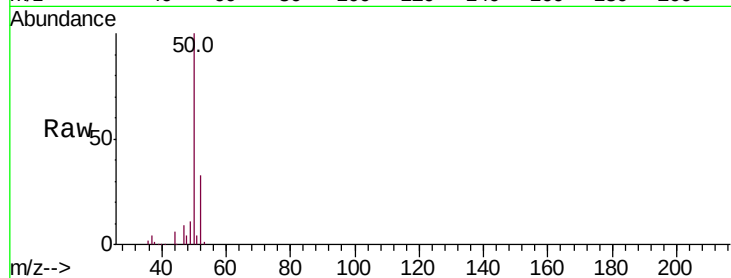
50 100

52 32.6 25.1 37.7

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#4

Vinyl Chloride

Concen: 21.116 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057561.D

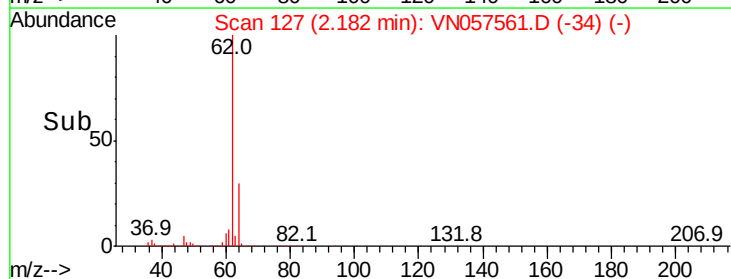
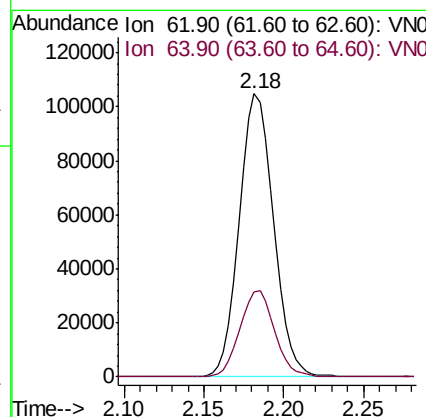
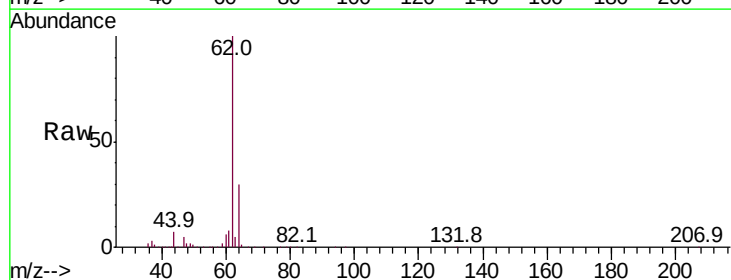
Acq: 29 Aug 2019 20:27

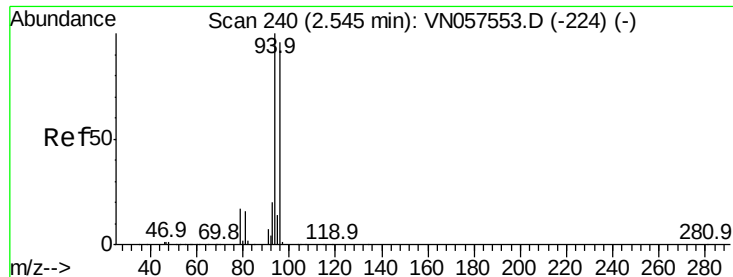
Tgt Ion: 62 Resp: 152656

Ion Ratio Lower Upper

62 100

64 30.2 25.8 38.8





#5

Bromomethane

Concen: 21.618 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 94 Resp: 134582

Ion Ratio Lower Upper

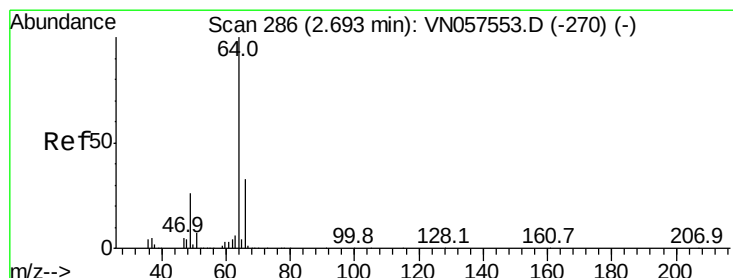
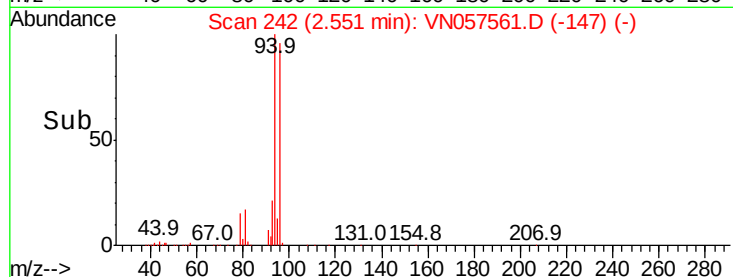
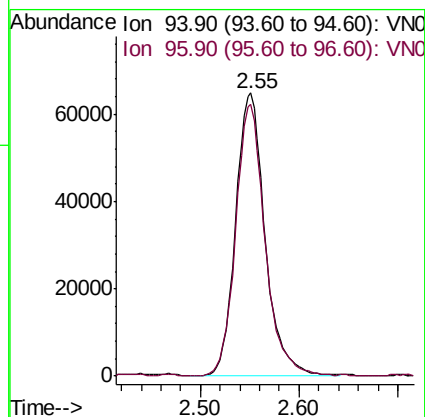
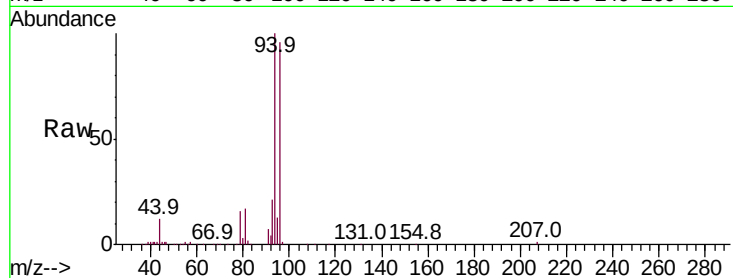
94 100

96 95.8 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 20.610 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057561.D

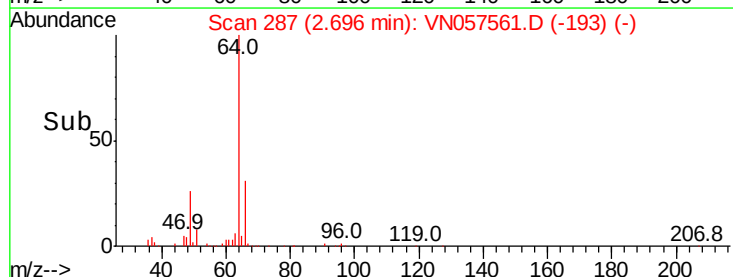
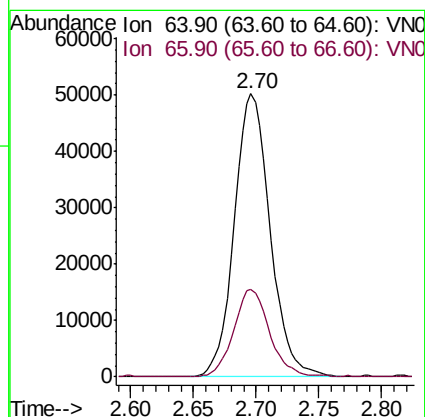
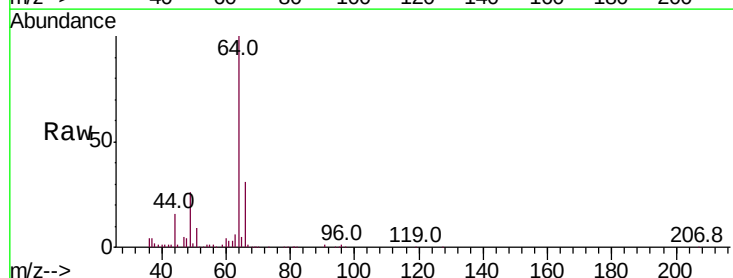
Acq: 29 Aug 2019 20:27

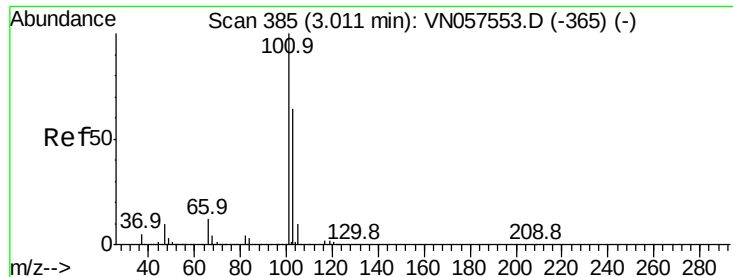
Tgt Ion: 64 Resp: 99900

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2





#7

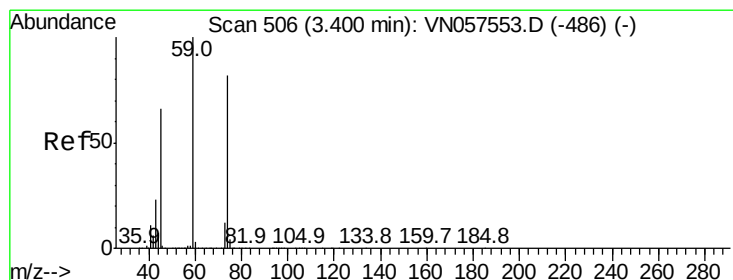
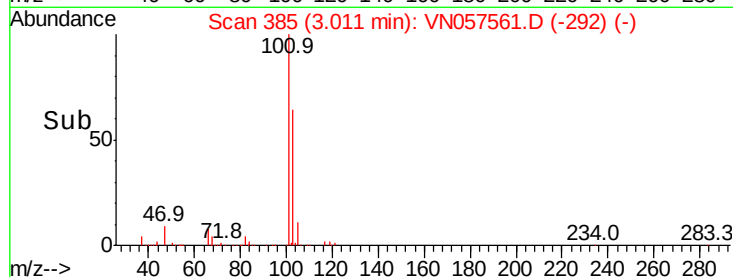
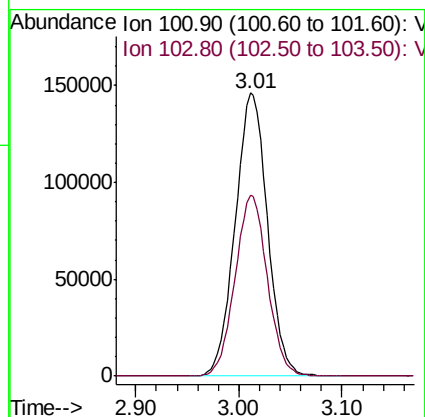
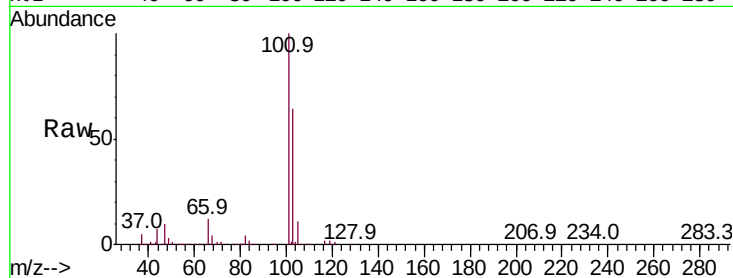
Trichlorofluoromethane
 Concen: 21.186 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
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 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8

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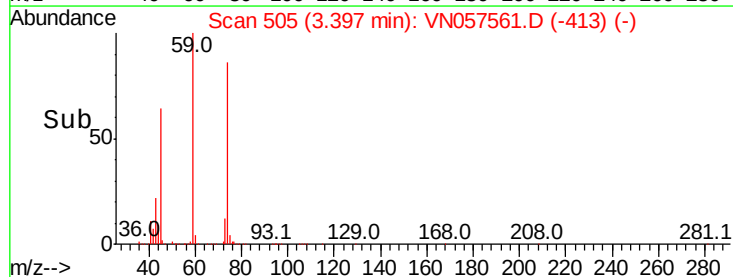
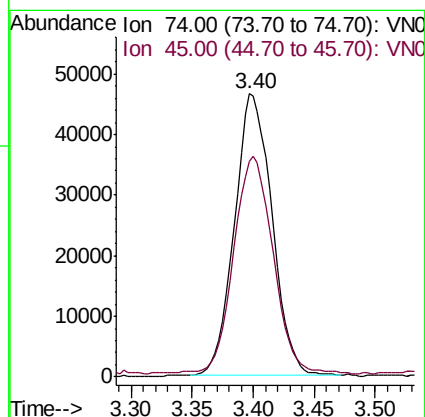
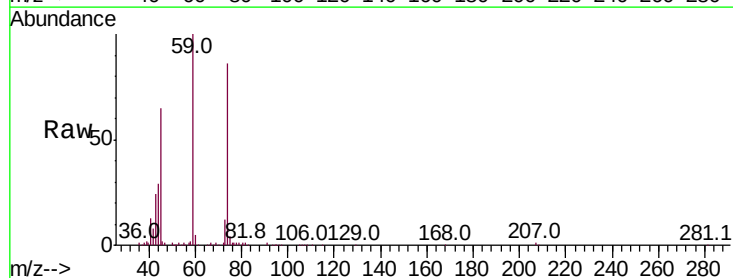
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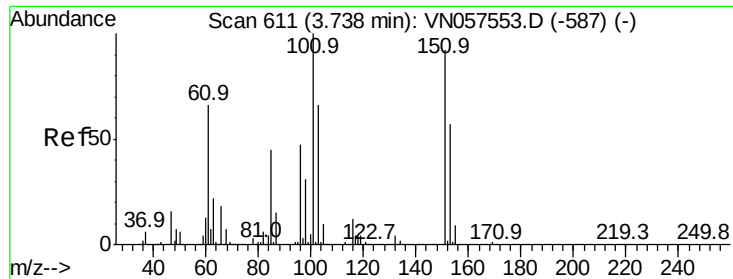


#8

Diethyl Ether
 Concen: 19.892 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.5	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.796 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

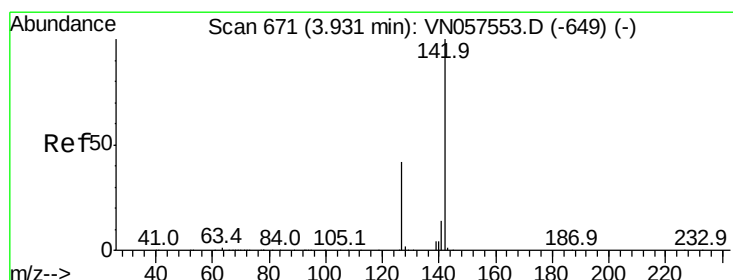
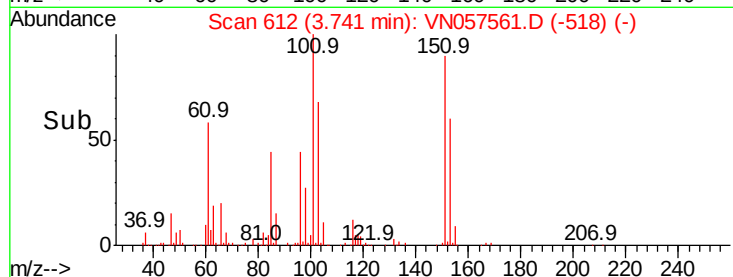
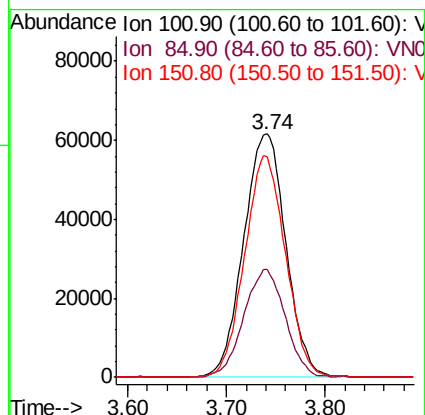
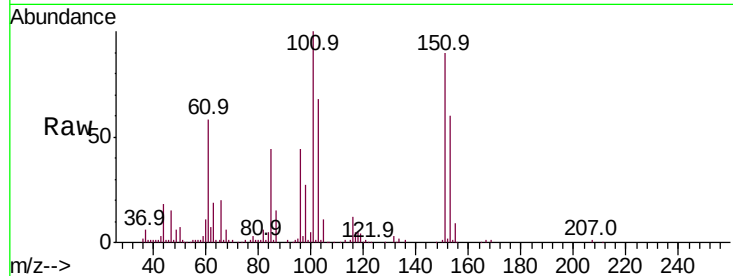
ClientSampleId :

VN0829WBSD01

Tot Ion:	101	Resp:	182893
Ion Ratio	Lower	Upper	
101	100		
85	43.4	40.0	60.0
151	87.9	57.0	85.6#

Manual Integrations
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#10

Methyl Iodide

Concen: 20.446 ug/l

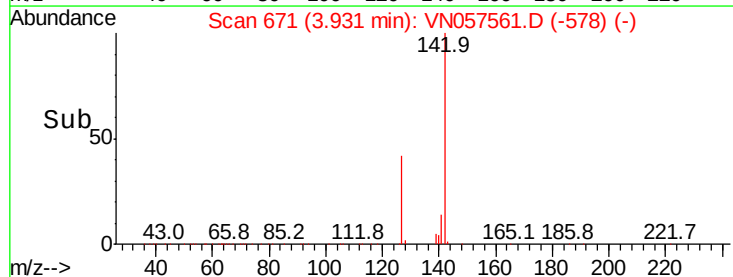
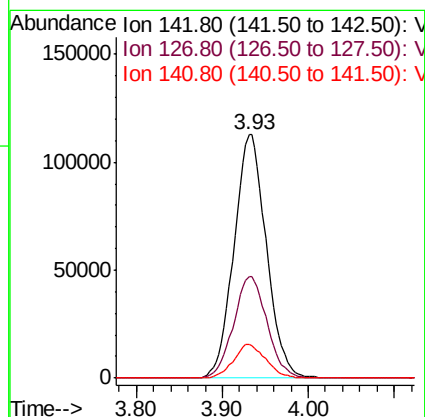
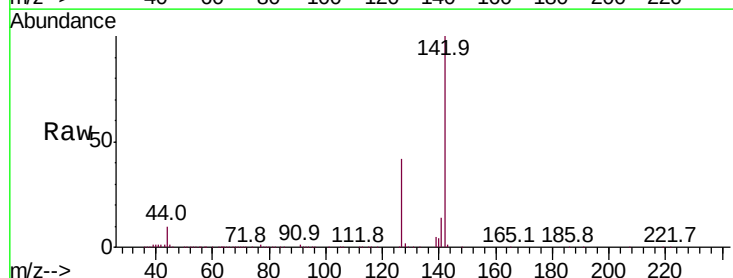
RT: 3.93 min Scan# 671

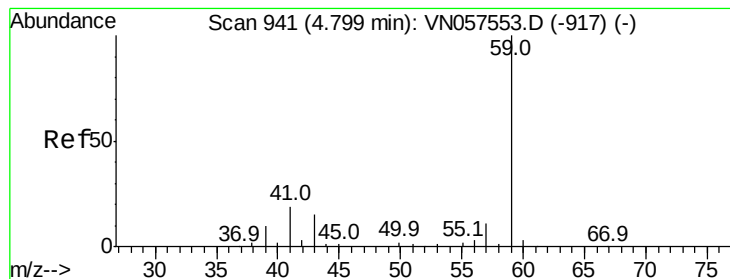
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	142	Resp:	294342
Ion Ratio	Lower	Upper	
142	100		
127	43.0	37.8	56.8
141	13.8	11.9	17.9





#11

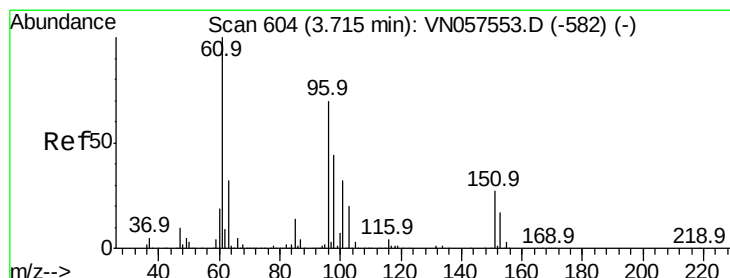
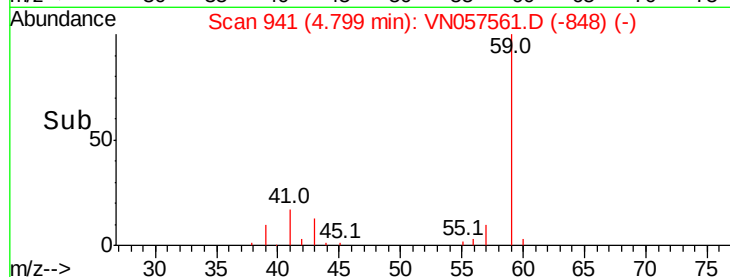
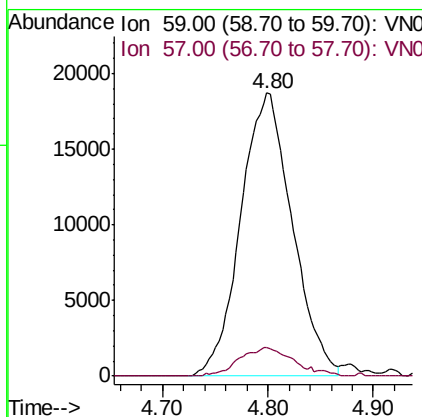
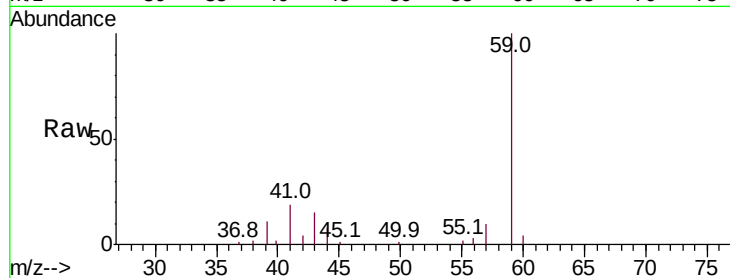
Tert butyl alcohol
Concen: 90.191 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.1	13.7

Manual Integrations
APPROVED

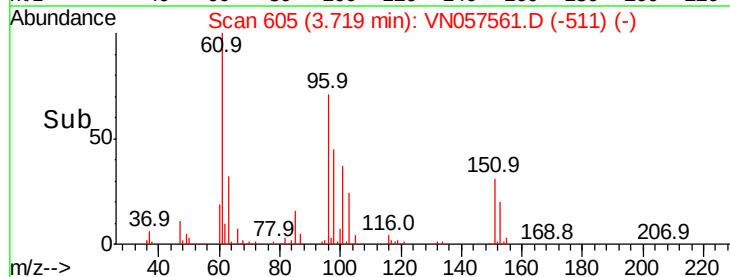
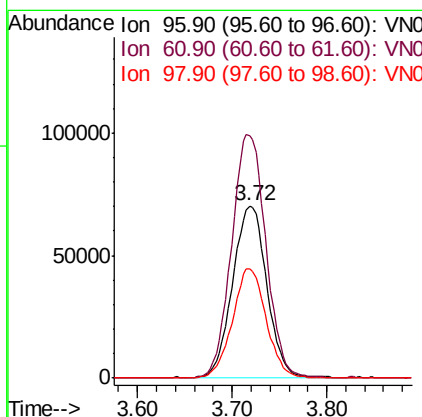
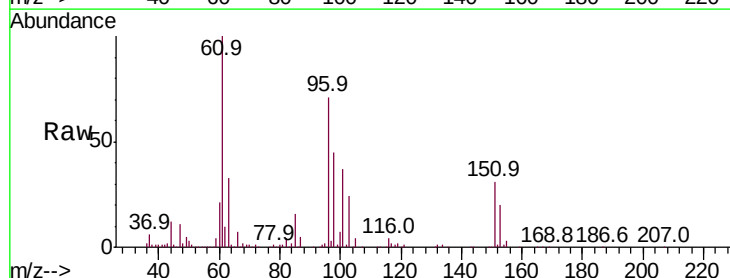
MMDadoda
9/5/2019 11:35:13 AM

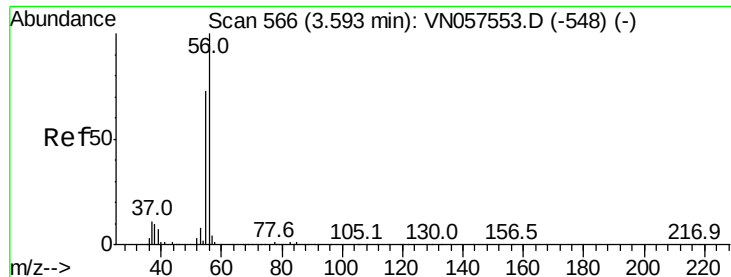


#12

1,1-Dichloroethene
Concen: 21.231 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	155.3	232.9#
98	63.9	50.2	75.2





#13

Acrolein

Concen: 97.378 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 56 Resp: 58786

Ion Ratio Lower Upper

56 100

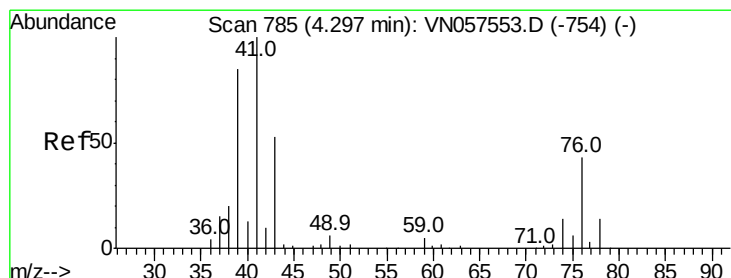
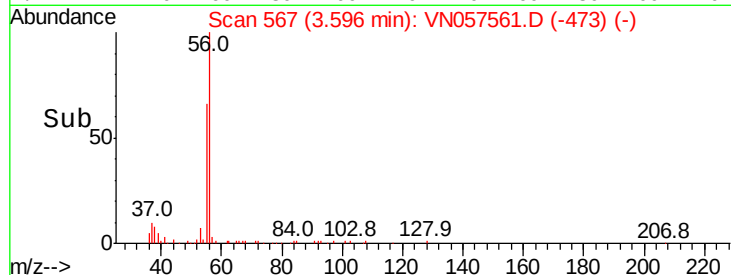
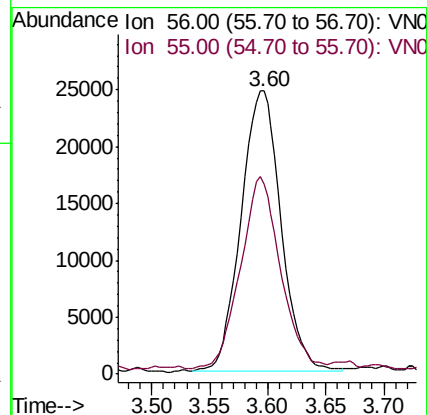
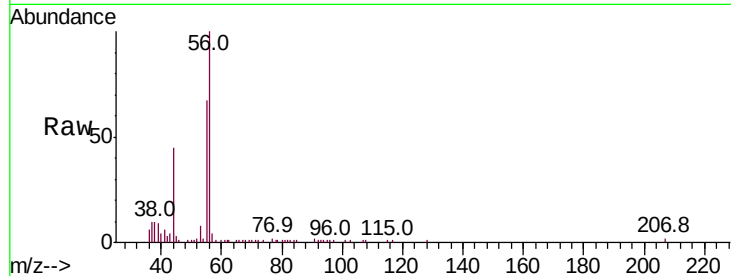
55 68.8 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.292 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

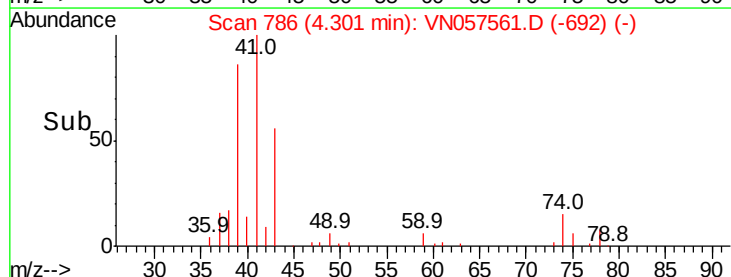
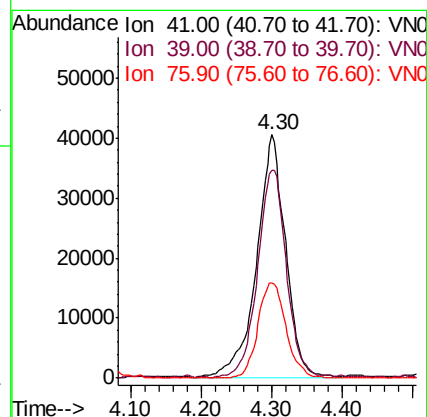
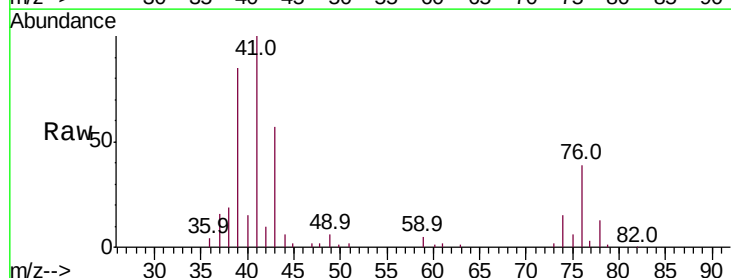
Tgt Ion: 41 Resp: 116869

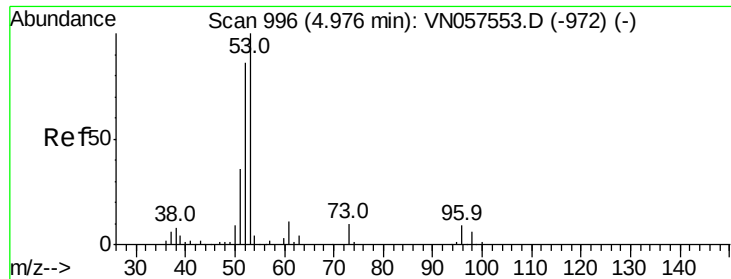
Ion Ratio Lower Upper

41 100

39 84.8 57.4 86.2

76 37.6 22.9 34.3#





#15

Acrylonitrile

Concen: 96.976 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

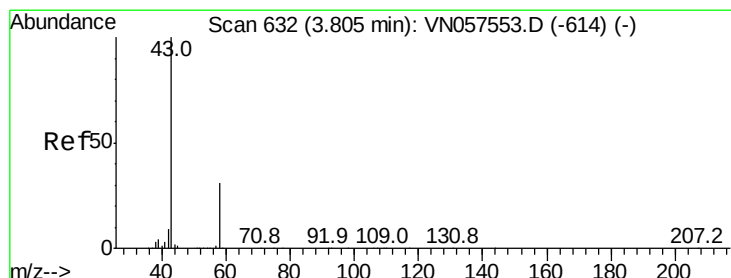
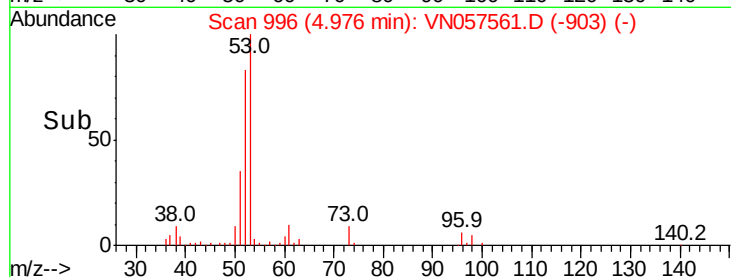
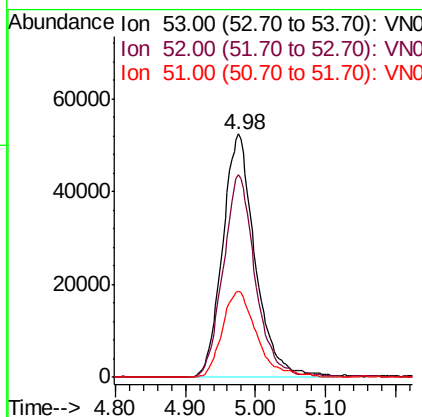
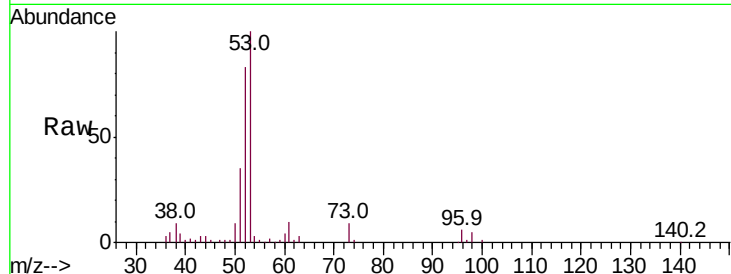
ClientSampled :

VN0829WBSD01

Tot Ion:	53	Resp:	169287
Ion Ratio	Lower	Upper	
53	100		
52	81.2	67.0	100.6
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 87.835 ug/l

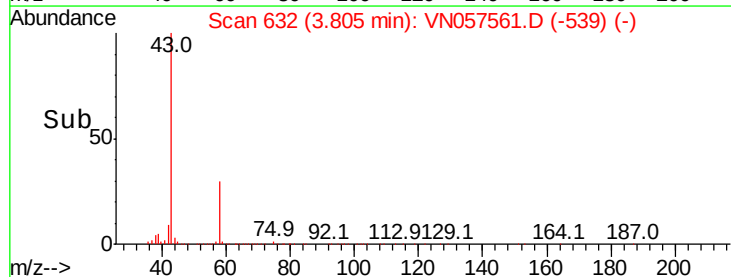
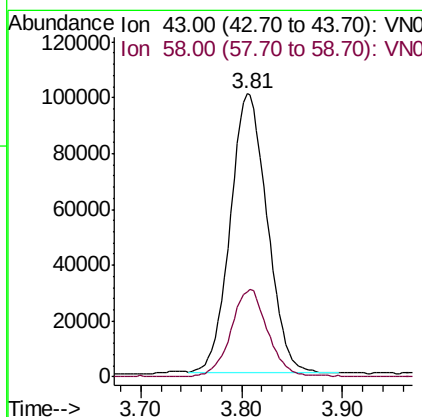
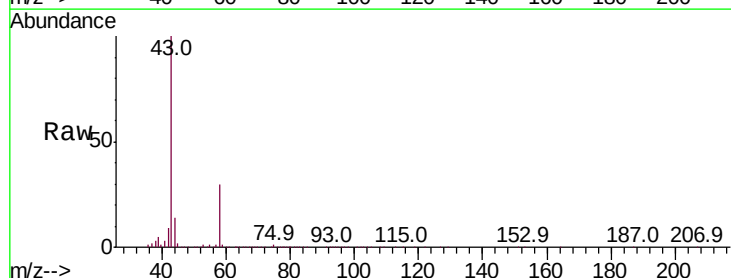
RT: 3.81 min Scan# 632

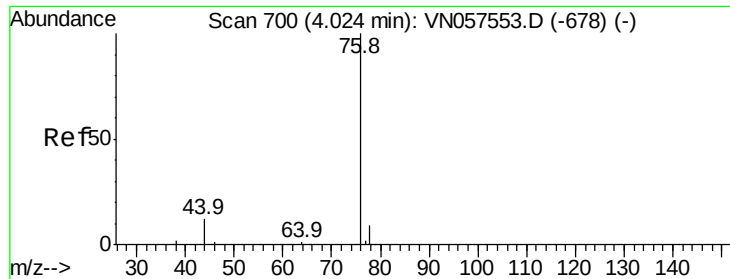
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	43	Resp:	253835
Ion Ratio	Lower	Upper	
43	100		
58	30.2	22.1	33.1





#17

Carbon Disulfide

Concen: 18.051 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 76 Resp: 204226

Ion Ratio Lower Upper

76 100

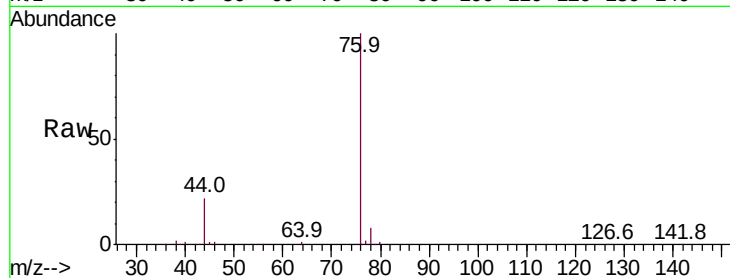
78 7.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057553.D (-678) (-)

Ion 77.90 (77.60 to 78.60): VN057553.D (-678) (-)

4.03

80000

60000

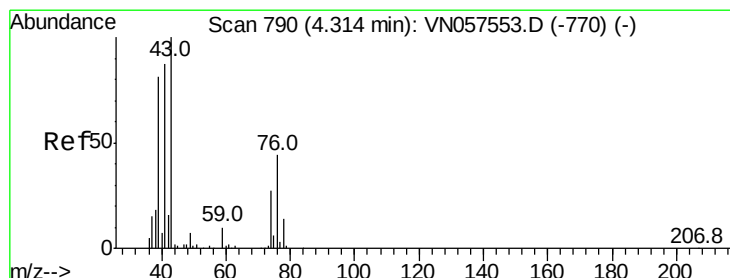
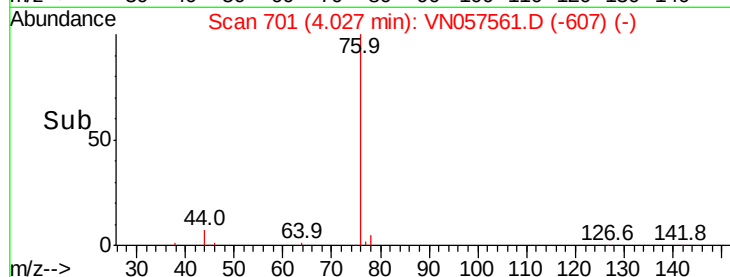
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.975 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057561.D

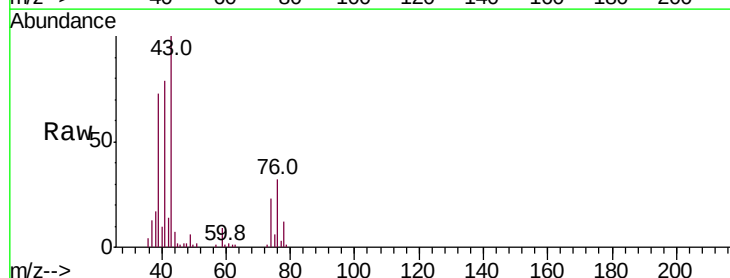
Acq: 29 Aug 2019 20:27

Tgt Ion: 43 Resp: 85506

Ion Ratio Lower Upper

43 100

74 25.4 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN057553.D (-770) (-)

4.32

30000

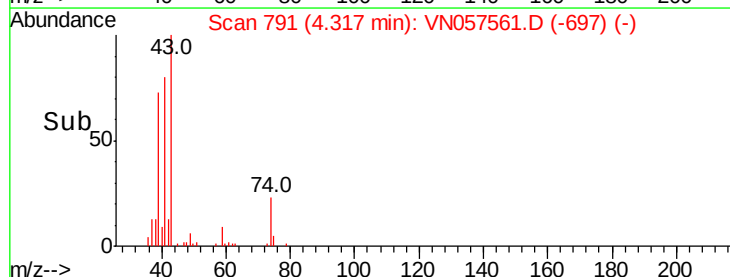
20000

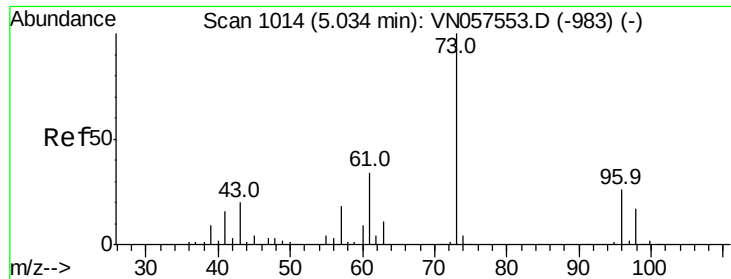
10000

0

Time-->

4.20 4.30 4.40





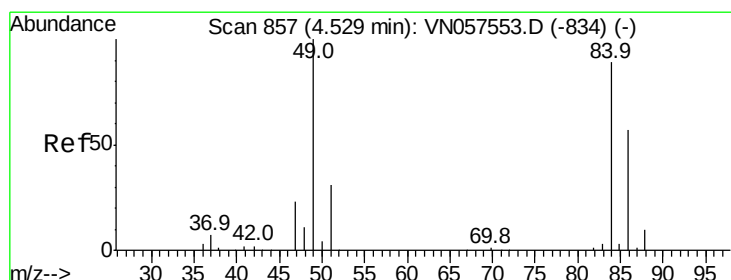
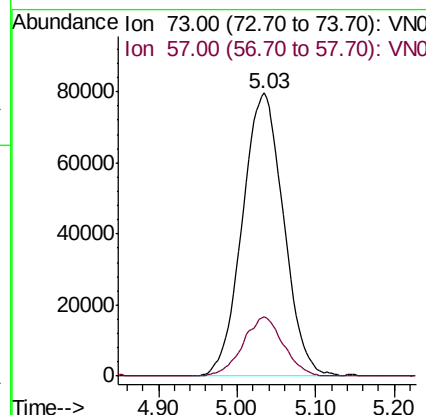
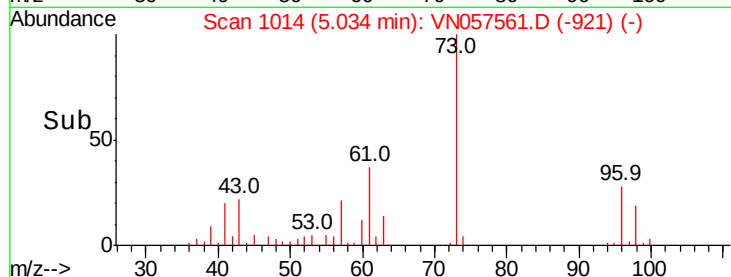
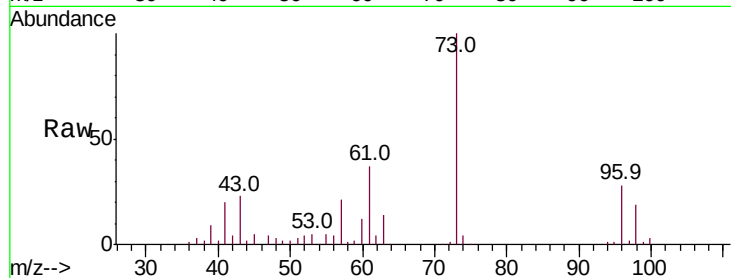
#19
Methyl tert-butyl Ether
Concen: 18.644 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	19.1	28.7

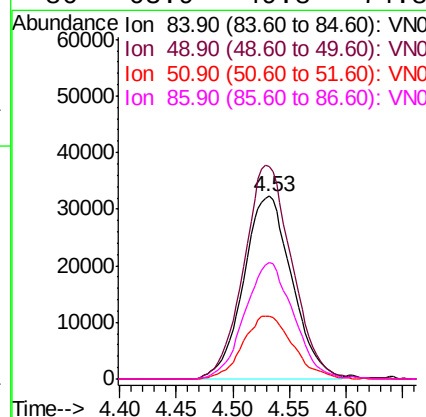
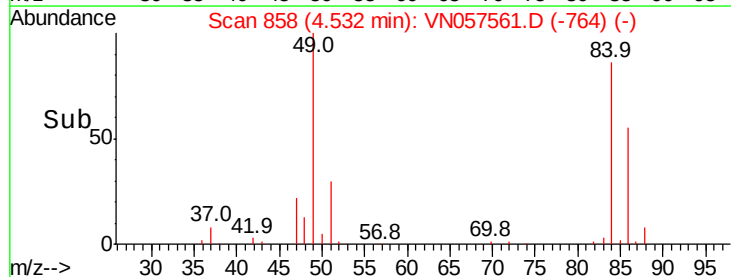
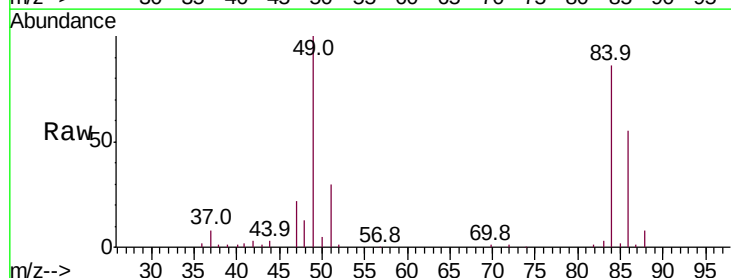
Manual Integrations
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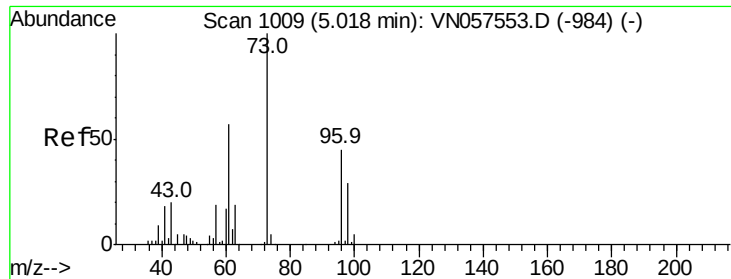
MMDadoda
9/5/2019 11:35:13 AM



#20
Methylene Chloride
Concen: 17.972 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	117.0	175.4#
51	34.4	35.5	53.3#
86	63.9	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.597 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 96 Resp: 96278

Ion Ratio Lower Upper

96 100

61 123.0 127.9 191.9#

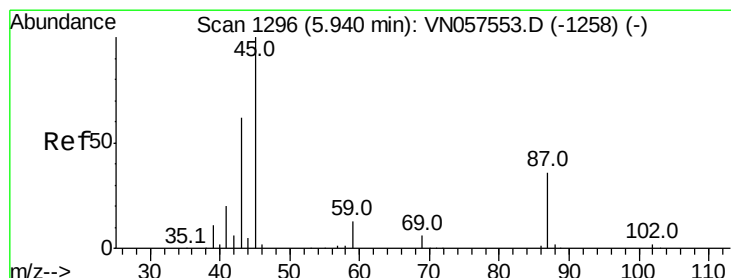
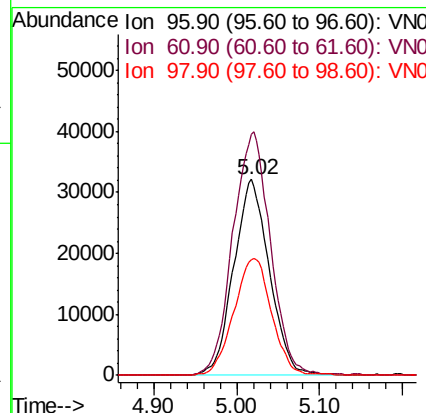
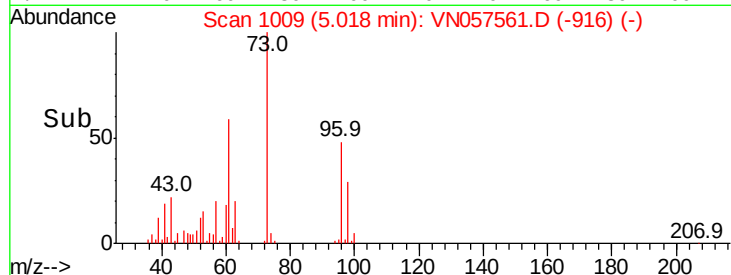
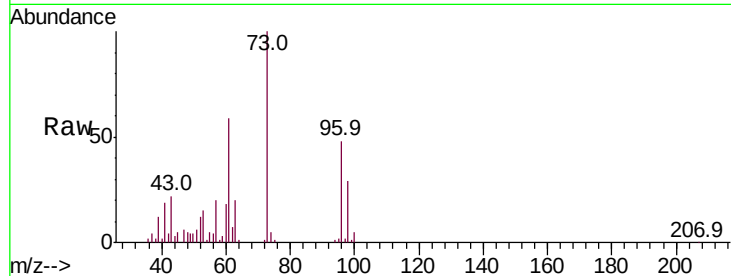
98 59.2 50.6 76.0

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#22

Diisopropyl ether

Concen: 20.405 ug/l

RT: 5.94 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion: 45 Resp: 277101

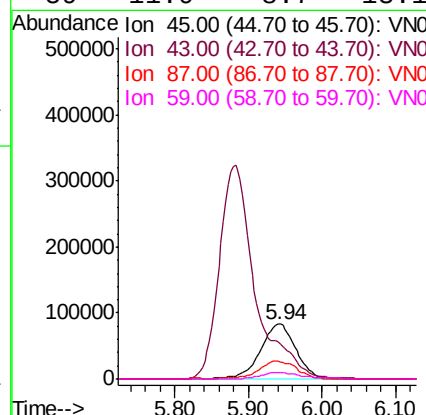
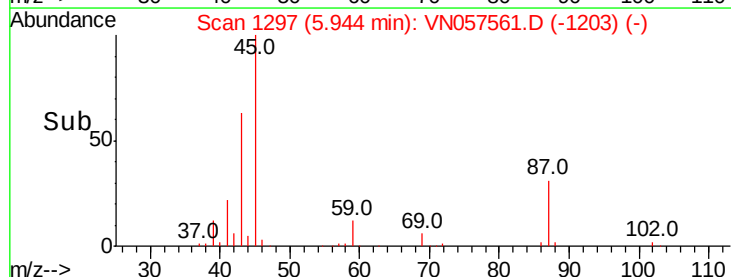
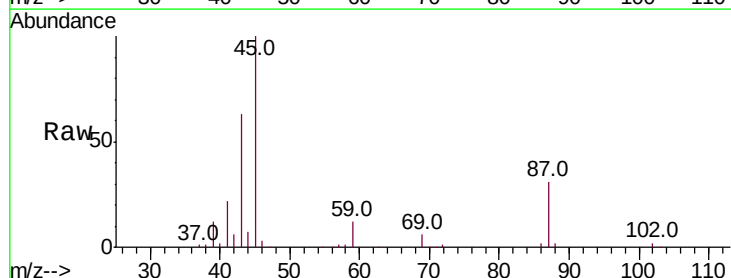
Ion Ratio Lower Upper

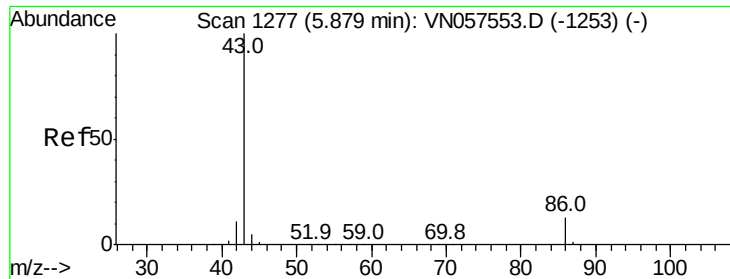
45 100

43 61.3 46.9 70.3

87 31.5 19.3 28.9#

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 102.833 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 43 Resp: 1091234

Ion Ratio Lower Upper

43 100

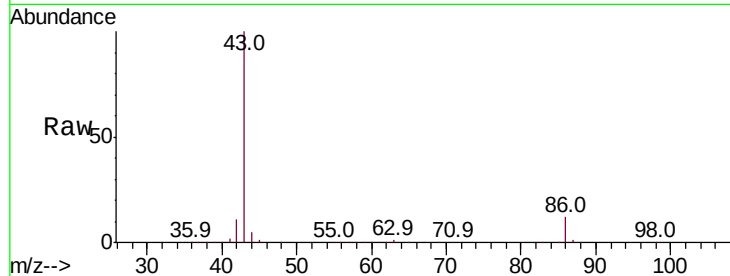
86 11.8 6.7 10.1#

Manual Integrations

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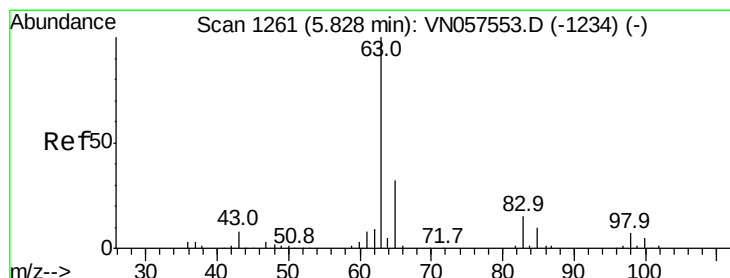
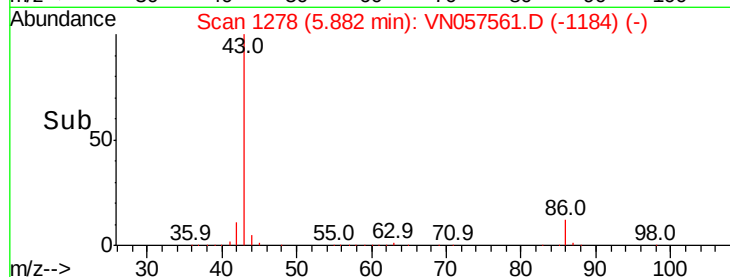
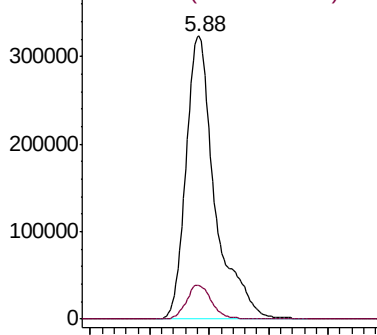
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.358 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

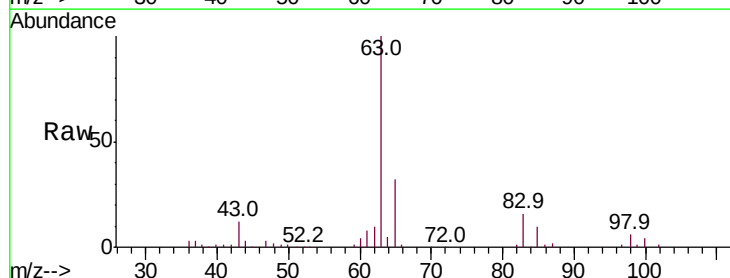
Tgt Ion: 63 Resp: 173101

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

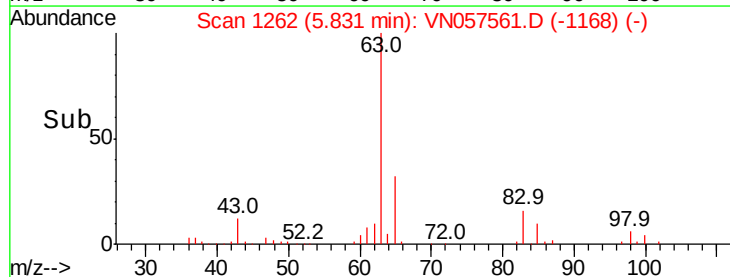
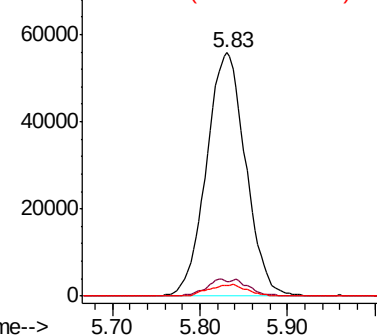
100 4.5 2.1 6.3

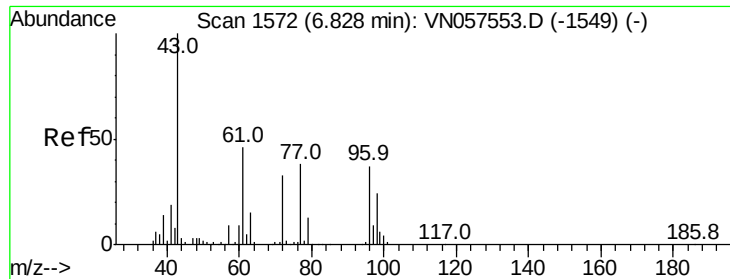


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





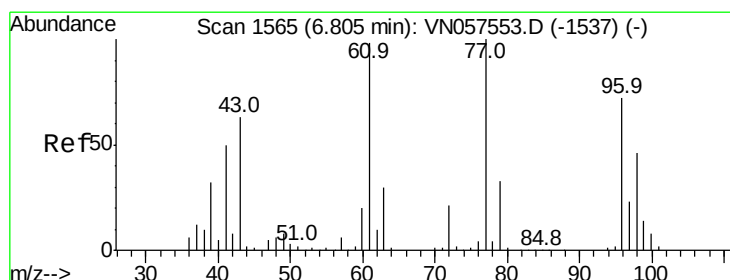
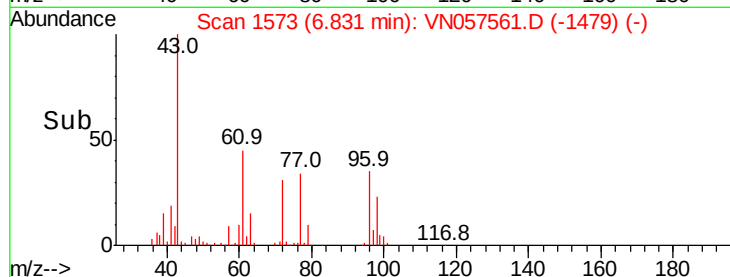
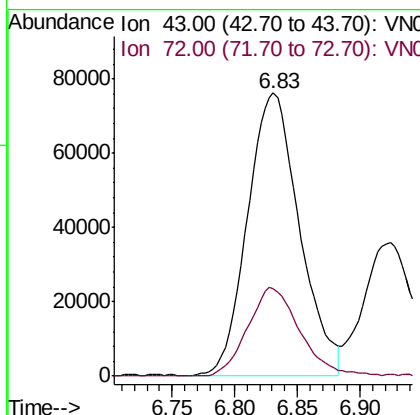
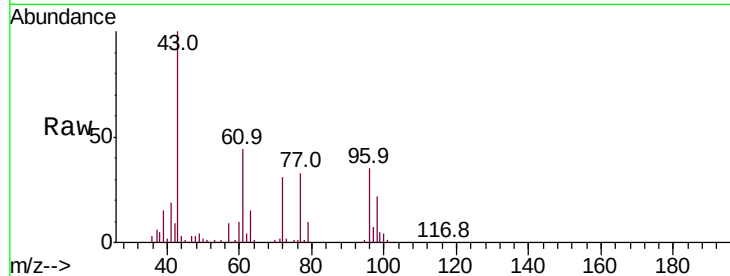
#25
2-Butanone
Concen: 95.956 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion: 43 Resp: 218882
Ion Ratio Lower Upper
43 100
72 31.0 17.8 26.8#

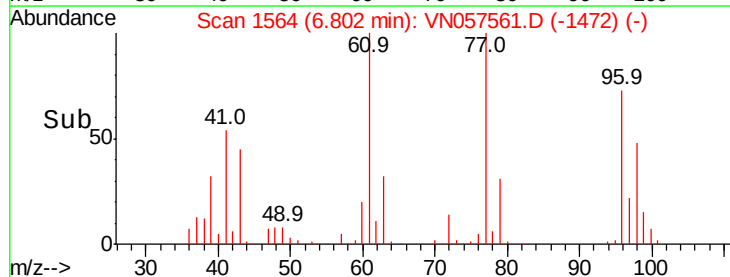
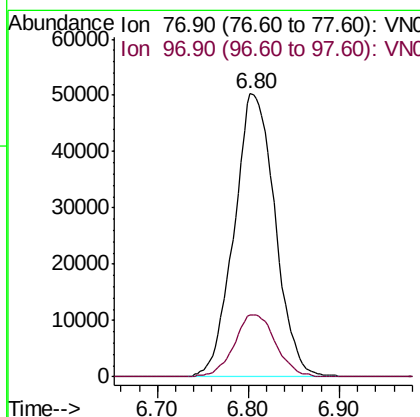
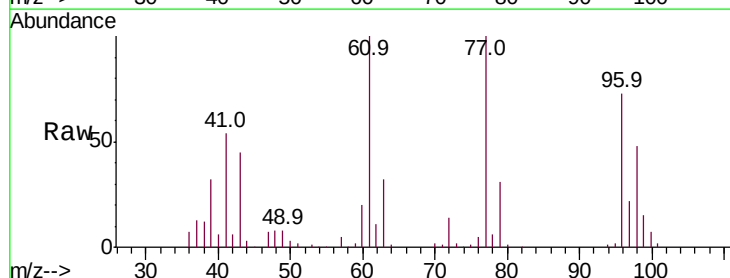
Manual Integrations
APPROVED

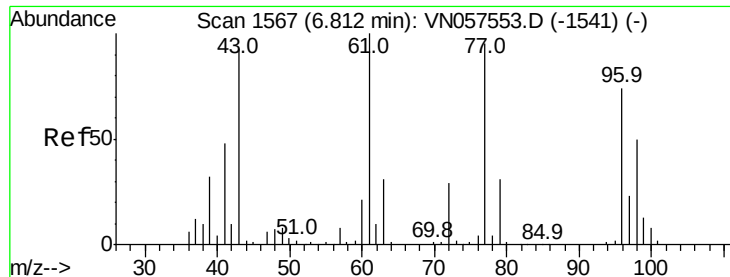
MMDadoda
9/5/2019 11:35:13 AM



#26
2,2-Dichloropropane
Concen: 17.193 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 77 Resp: 156968
Ion Ratio Lower Upper
77 100
97 22.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.538 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

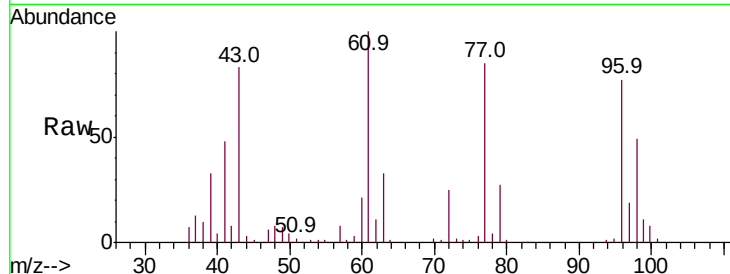
ClientSampled :

VN0829WBSD01

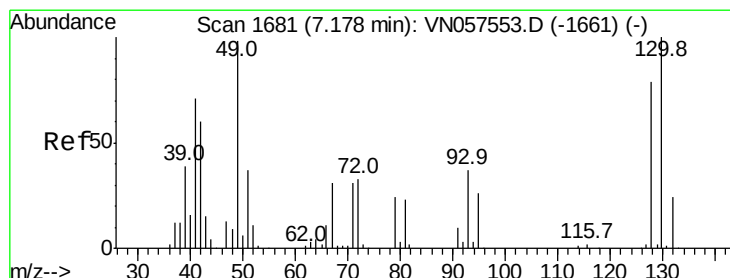
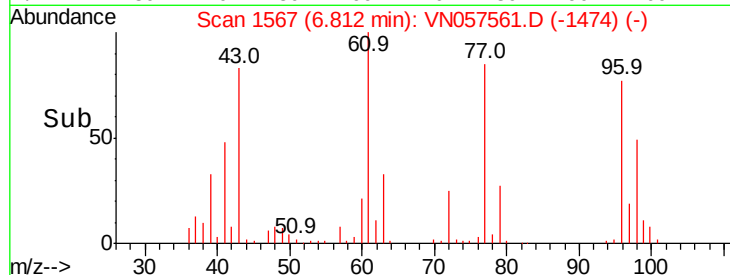
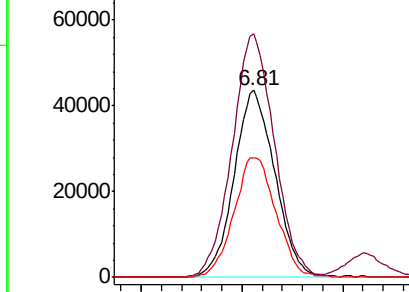
Tot Ion:	96	Resp:	122500
Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	334.8
98	66.2	0.0	127.4

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.170 ug/l

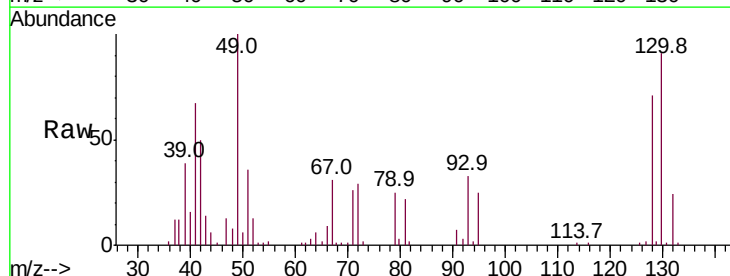
RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

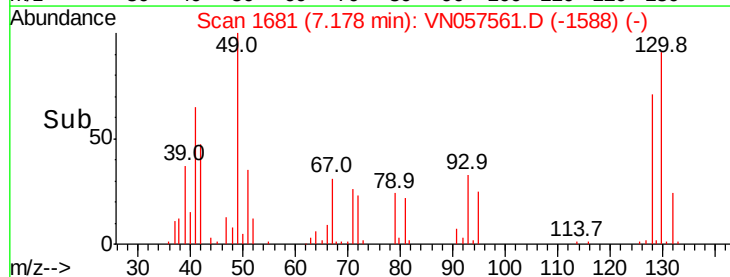
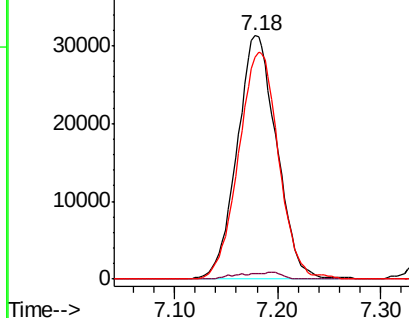
Lab File: VN057561.D

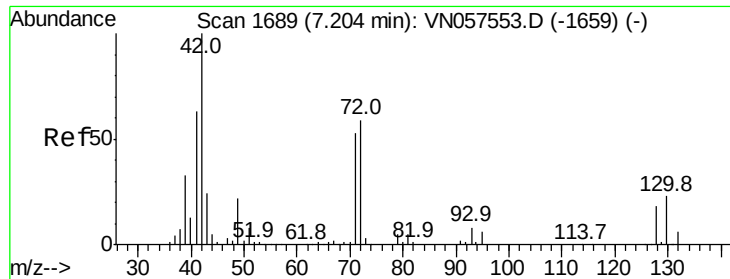
Acq: 29 Aug 2019 20:27

Tgt Ion:	49	Resp:	83335
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	93.5	48.6	72.8#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





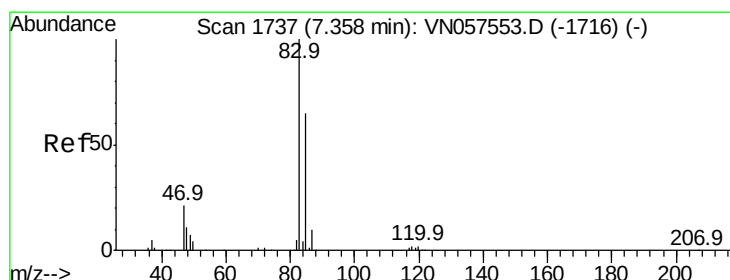
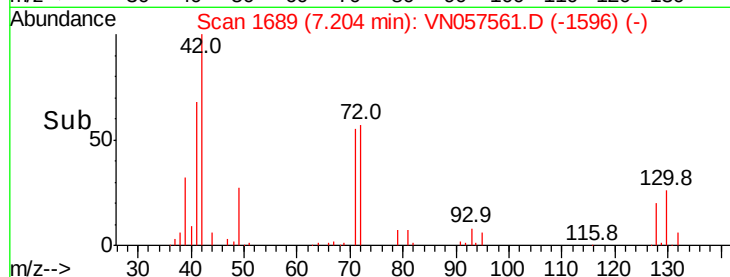
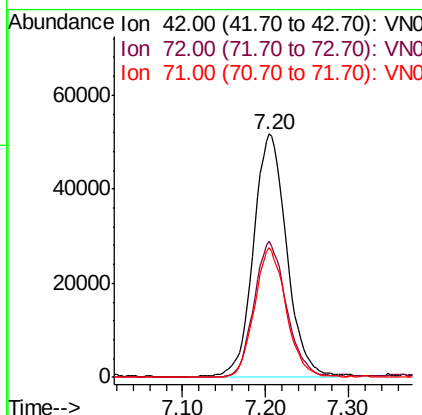
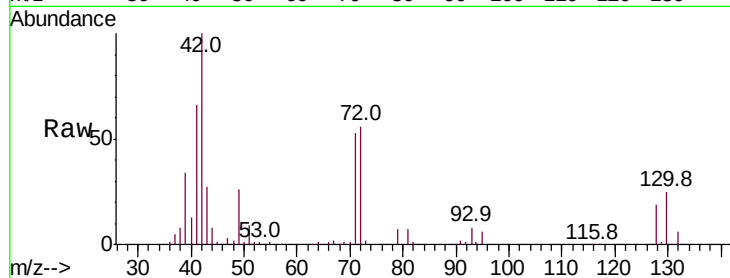
#29
Tetrahydrofuran
Concen: 101.595 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.4	30.1	45.1#
71	50.5	28.8	43.2#

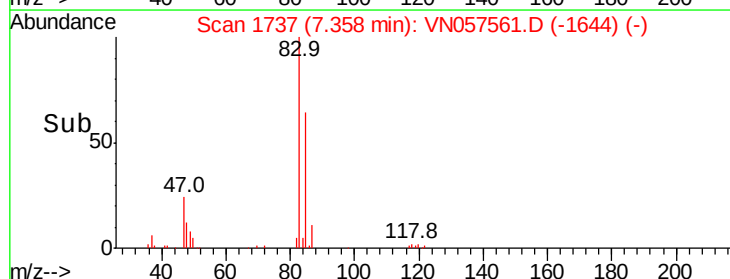
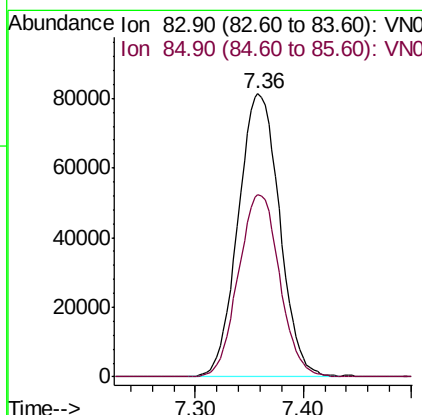
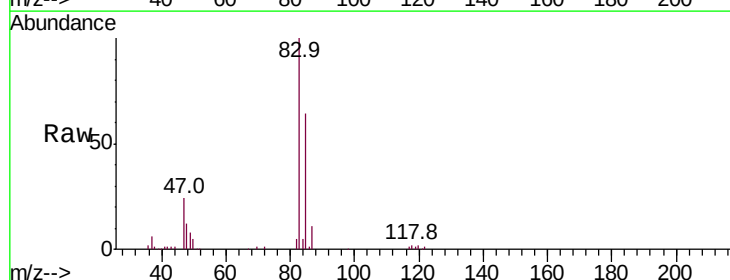
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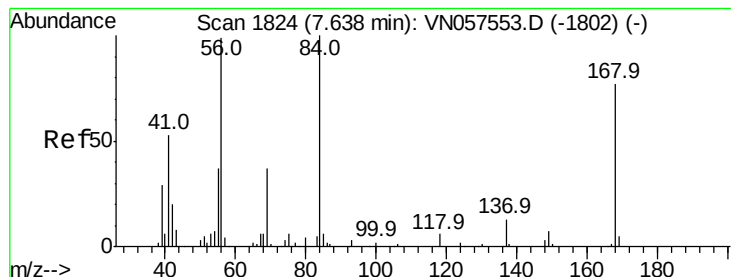
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#30
Chloroform
Concen: 19.517 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





#31

Cyclohexane

Concen: 20.126 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 56 Resp: 167133

Ion Ratio Lower Upper

56 100

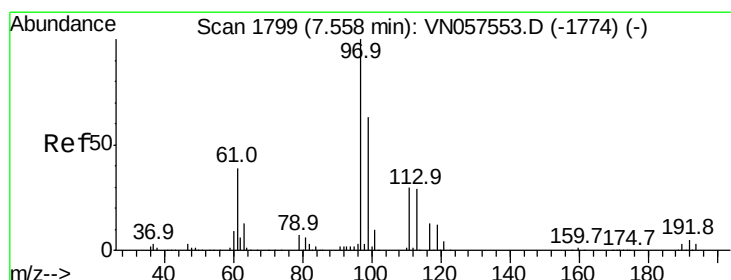
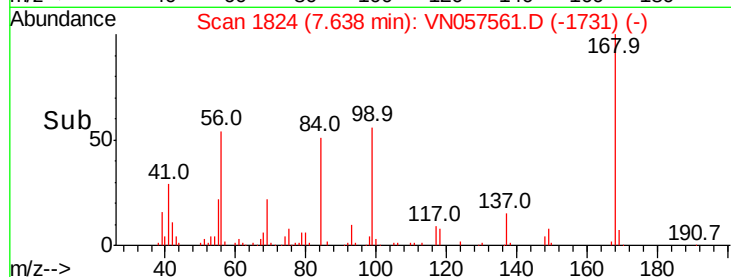
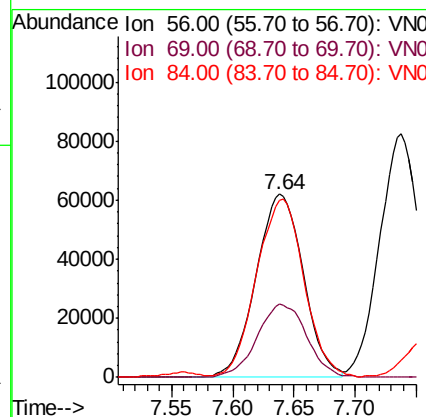
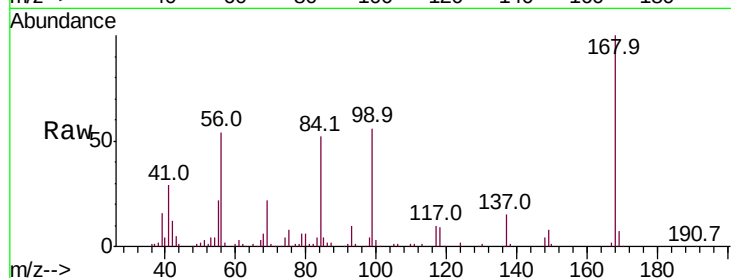
69 39.7 25.0 37.6#

84 94.2 62.5 93.7#

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#32

1,1,1-Trichloroethane

Concen: 20.284 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

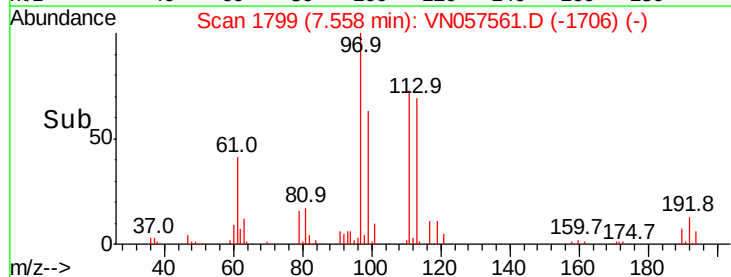
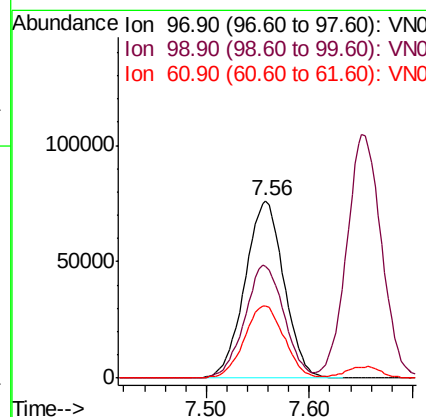
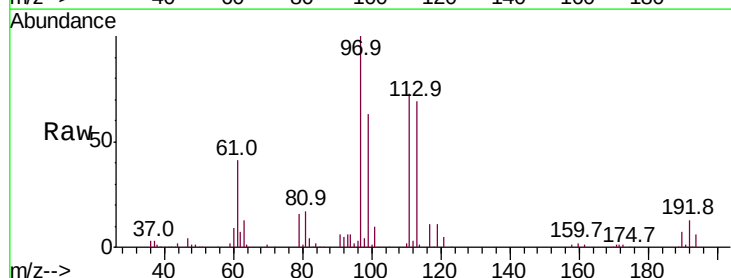
Tgt Ion: 97 Resp: 200087

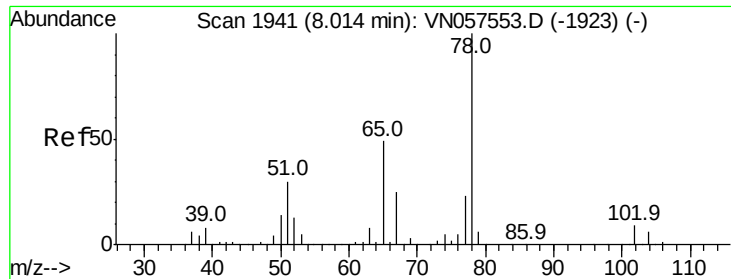
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 41.8 39.8 59.6





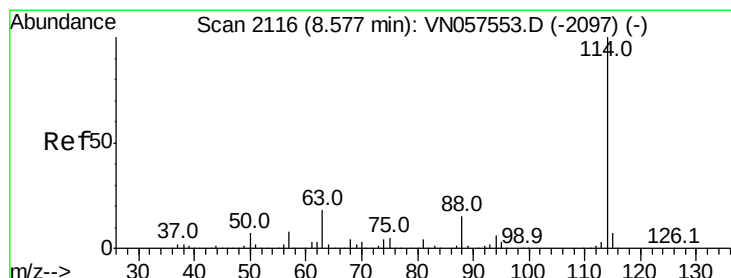
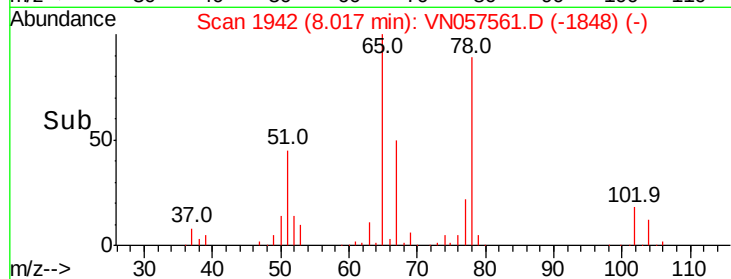
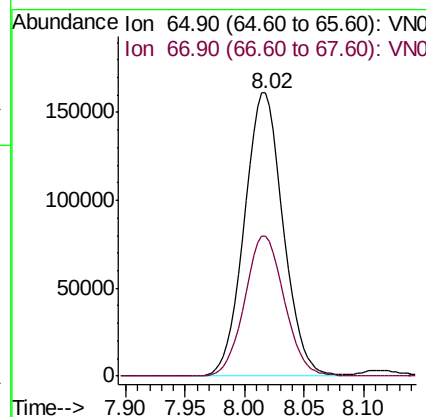
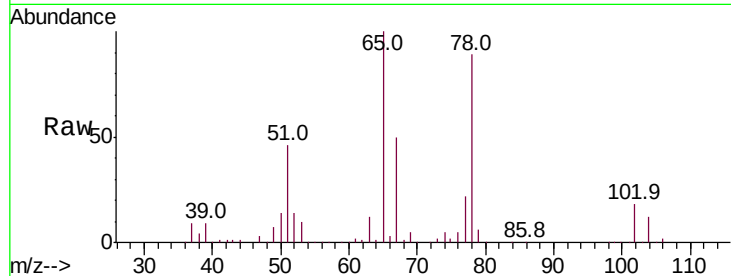
#33
 1,2-Dichloroethane-d4
 Concen: 53.078 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	103.8	

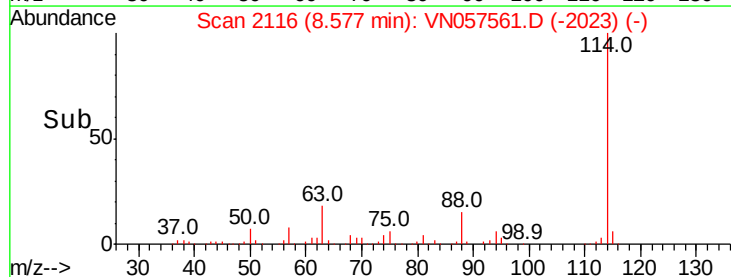
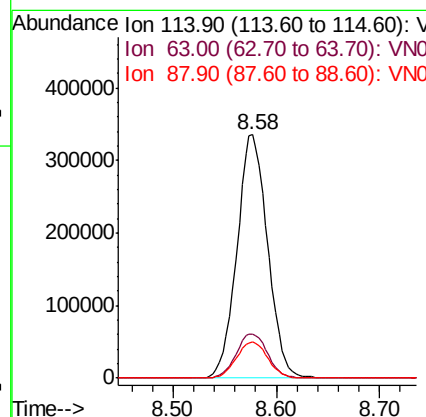
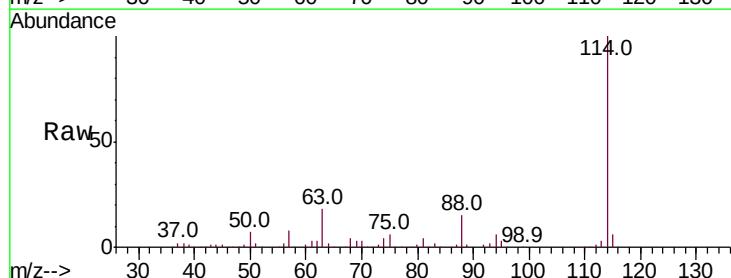
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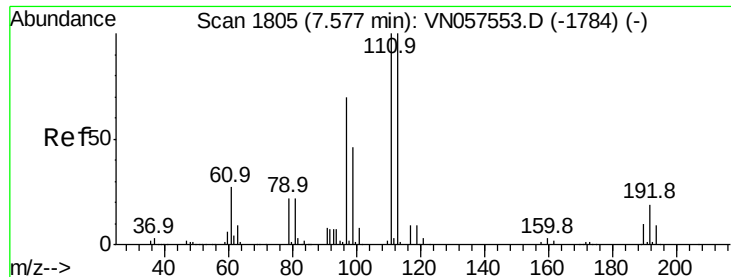
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	50.2	
88	14.8	0.0	34.6	





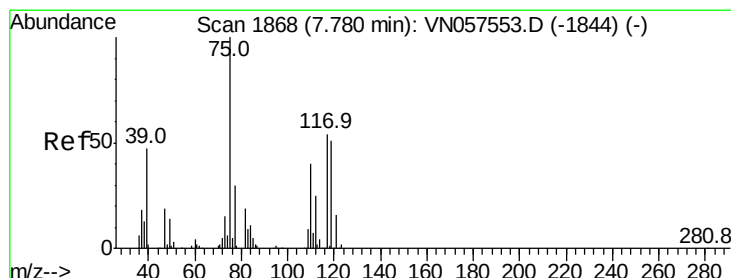
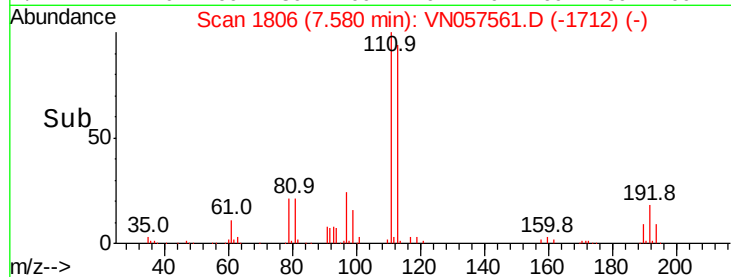
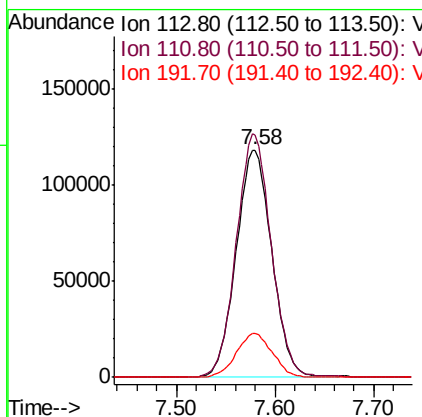
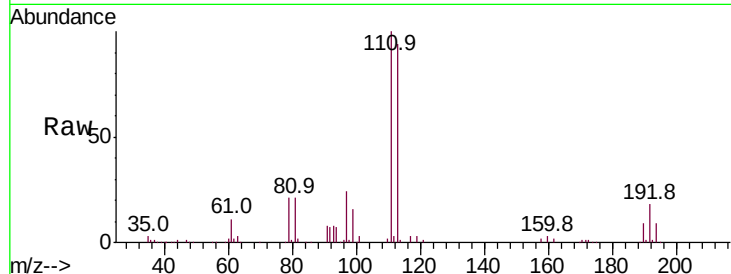
#35
 Dibromofluoromethane
 Concen: 49.231 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	296250		
111	105.1	83.8	125.6	
192	19.5	13.5	20.3	

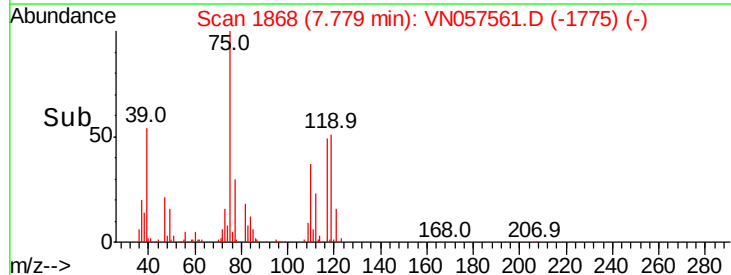
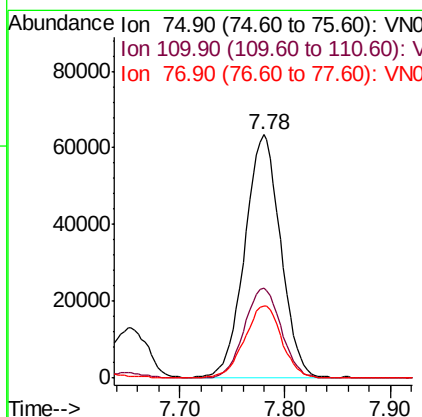
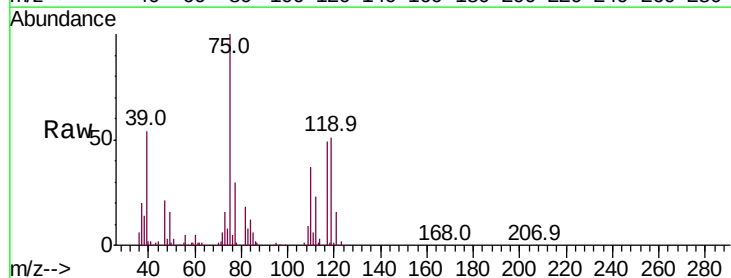
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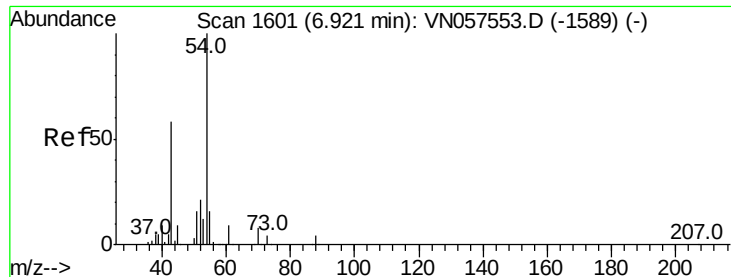
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#36
 1,1-Dichloropropene
 Concen: 19.975 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149794		
110	37.9	16.1	48.3	
77	30.9	24.8	37.2	





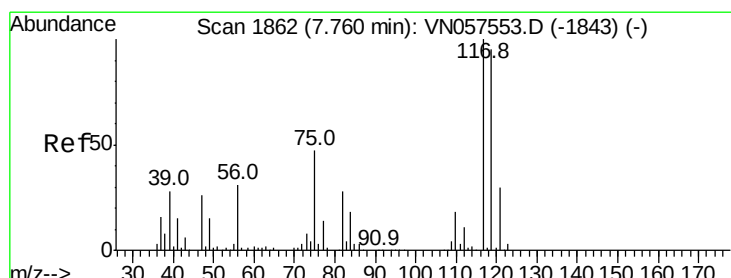
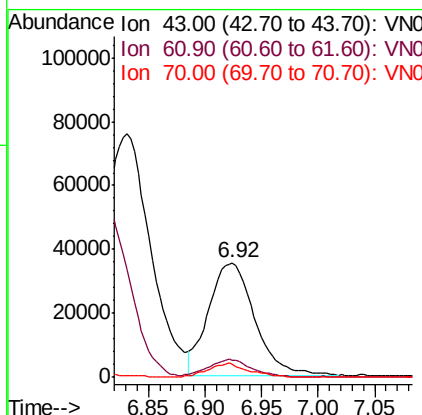
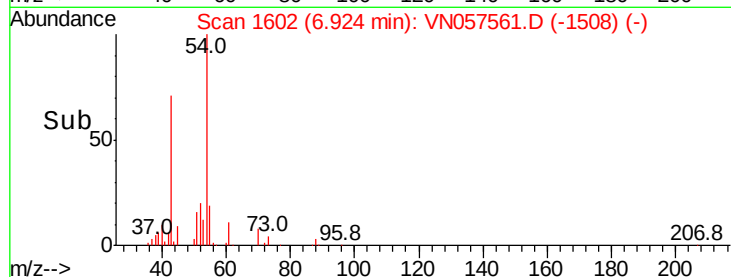
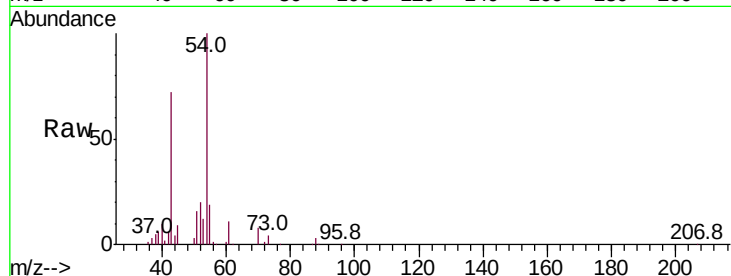
#37
Ethyl Acetate
Concen: 20.344 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	9.9	14.9#
70	11.0	7.0	10.6#

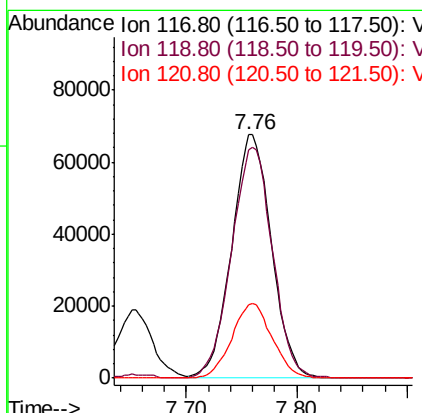
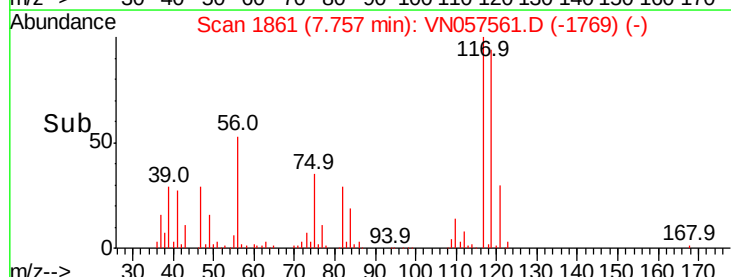
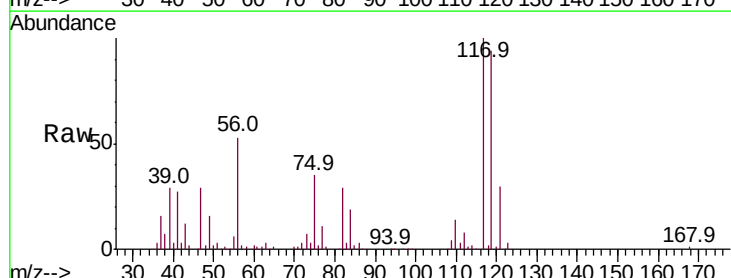
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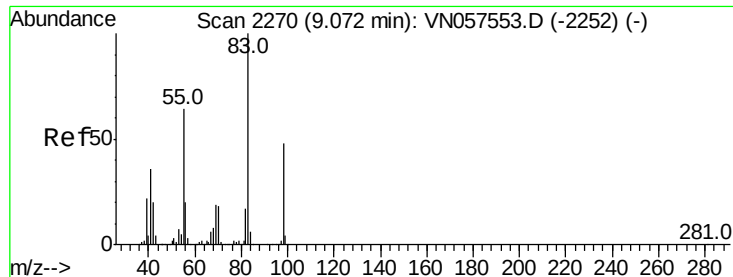
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#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.2	114.4
121	30.2	23.8	35.6





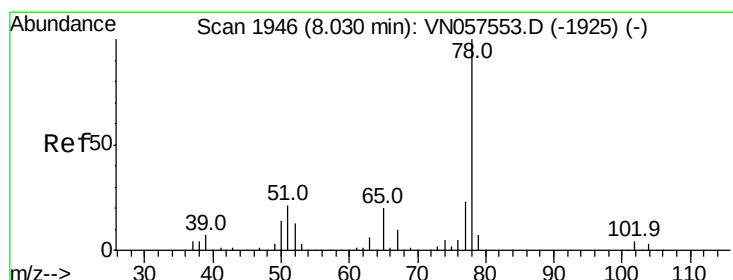
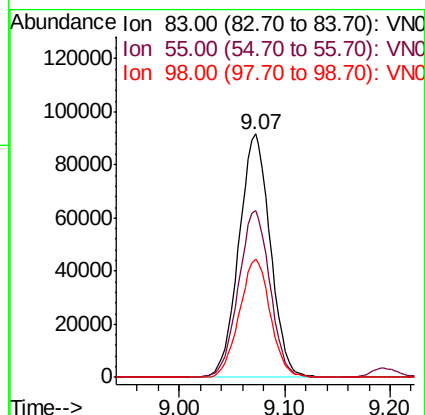
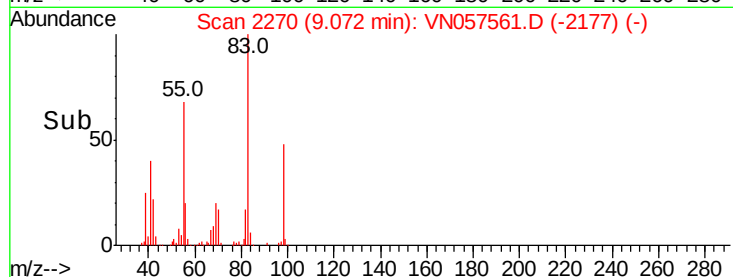
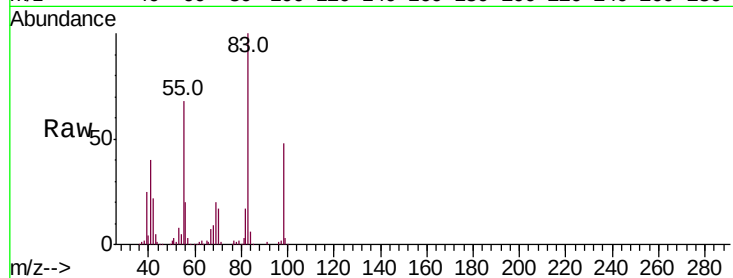
#39
Methylvlcyclohexane
Concen: 19.828 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.5	68.6	102.8#	
98	48.4	36.6	54.8	

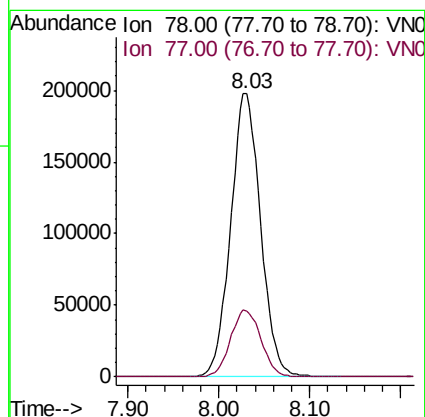
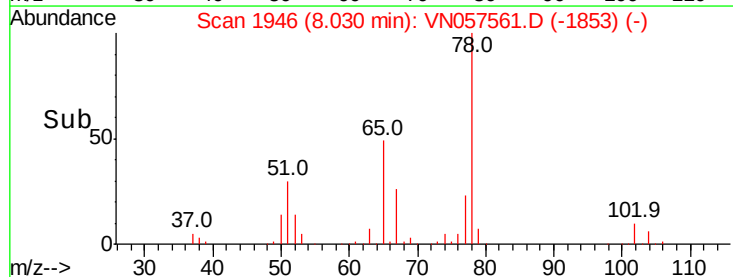
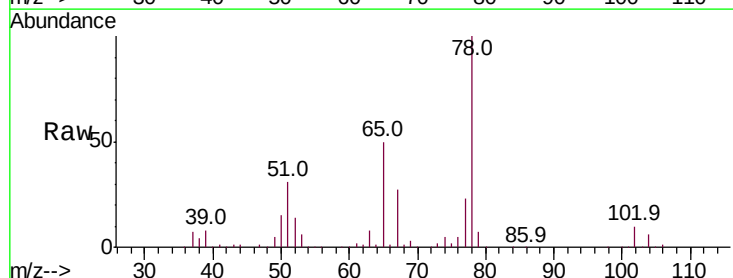
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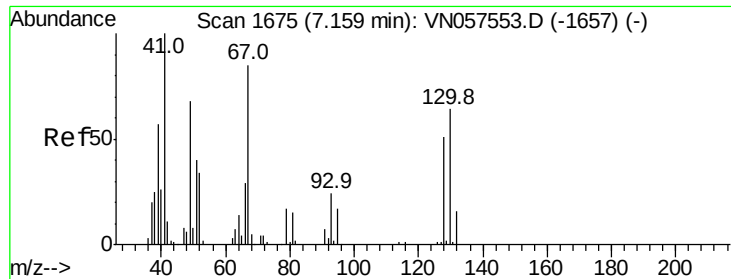
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#40
Benzene
Concen: 19.688 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.5	27.7	





#41

Methacrylonitrile

Concen: 20.236 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

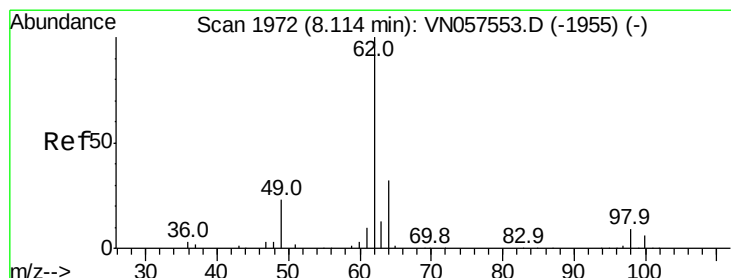
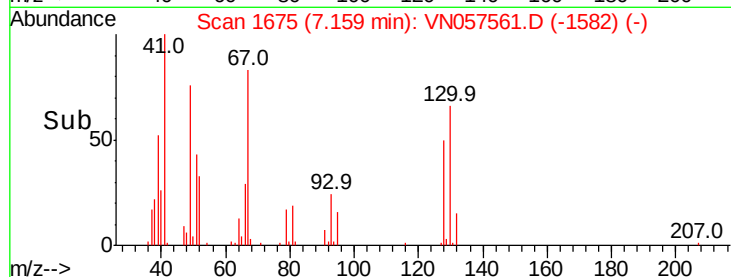
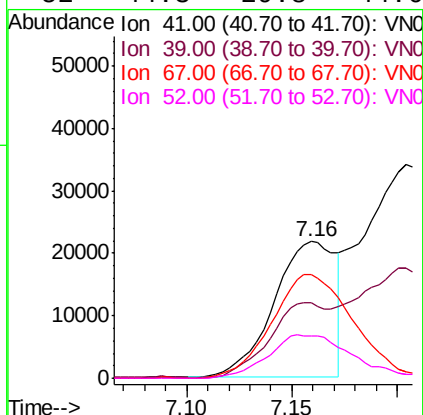
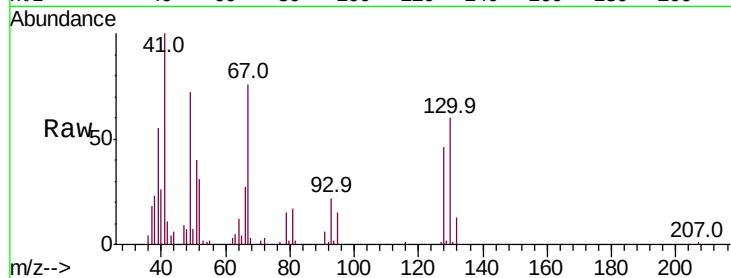
ClientSampleId :

VN0829WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	53.6	80.4	
67	101.1	65.4	98.2#	
52	44.3	29.8	44.6	

Manual Integrations
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9/5/2019 11:35:13 AM



#42

1,2-Dichloroethane

Concen: 20.497 ug/l

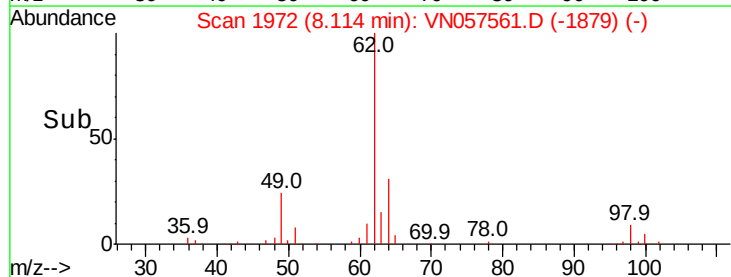
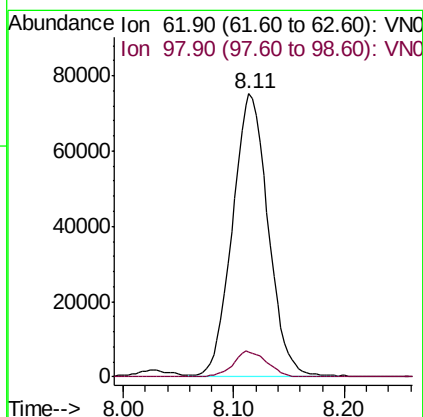
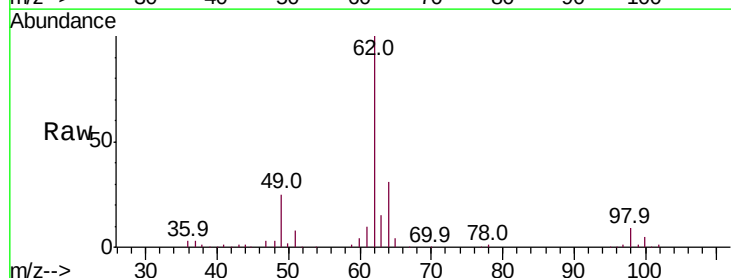
RT: 8.11 min Scan# 1972

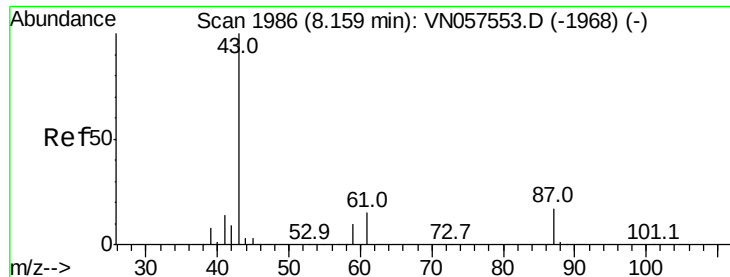
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	15.4	





#43

Isopropyl Acetate

Concen: 19.986 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

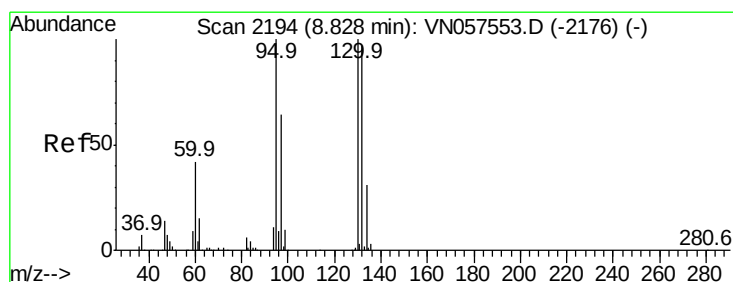
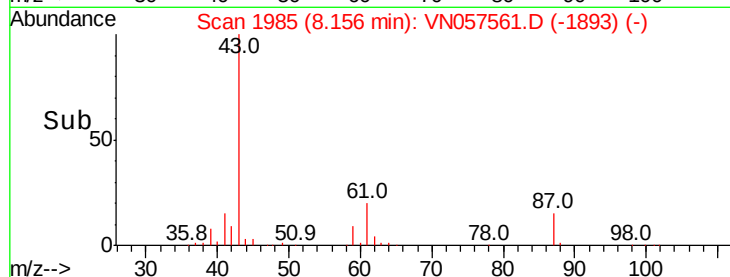
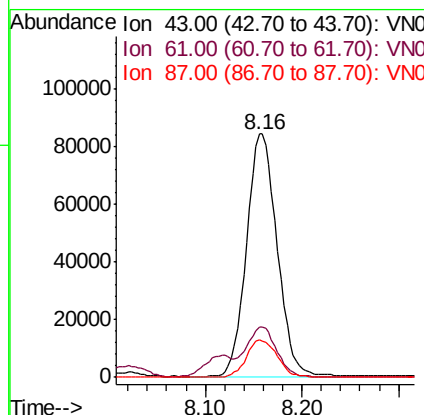
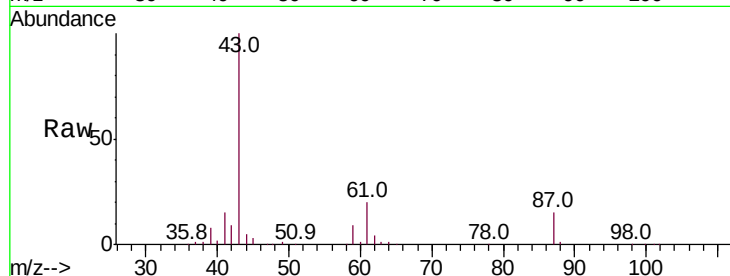
ClientSampleId :

VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.5	21.7
87	15.6	8.6	12.8

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#44

Trichloroethene

Concen: 19.768 ug/l

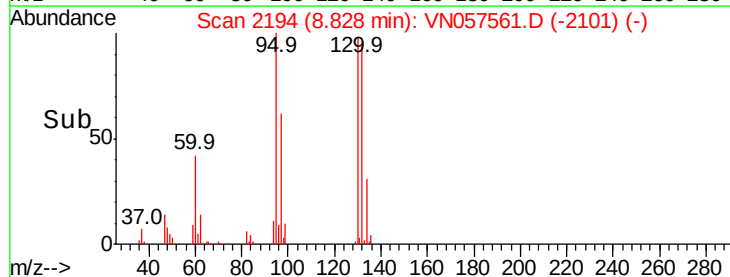
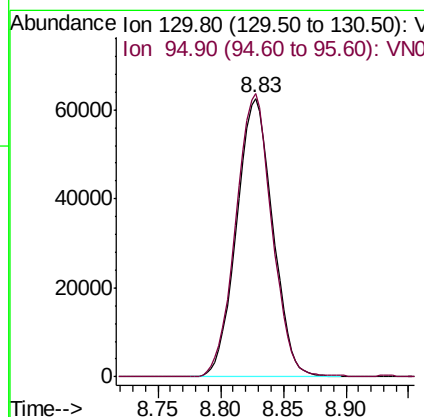
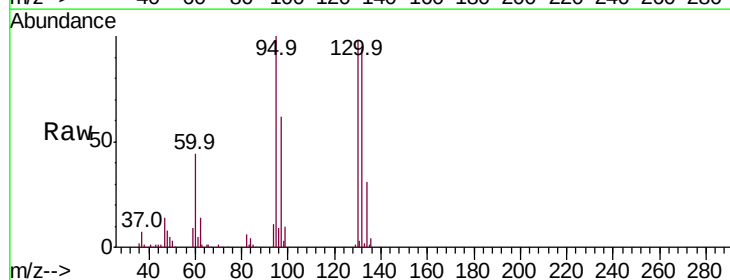
RT: 8.83 min Scan# 2194

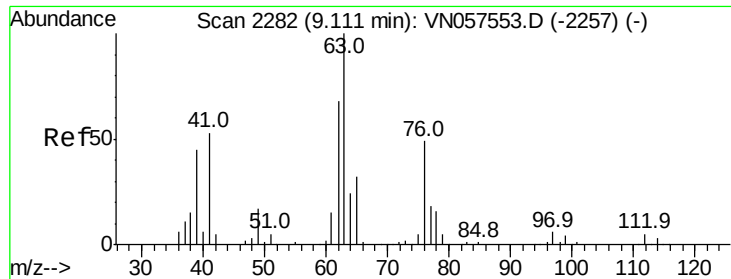
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	231.6





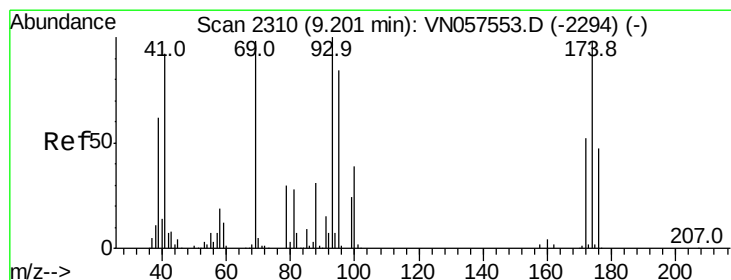
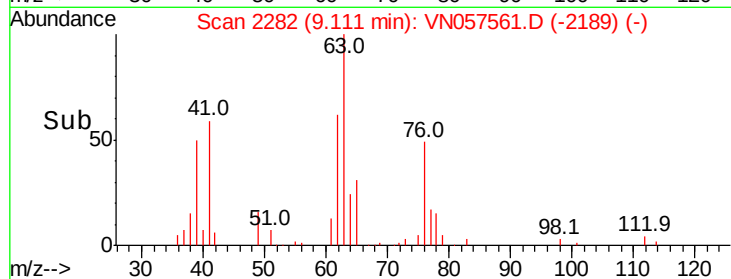
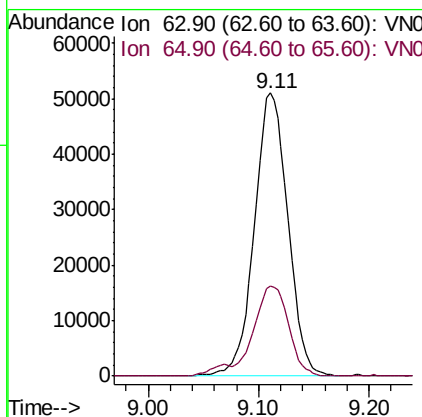
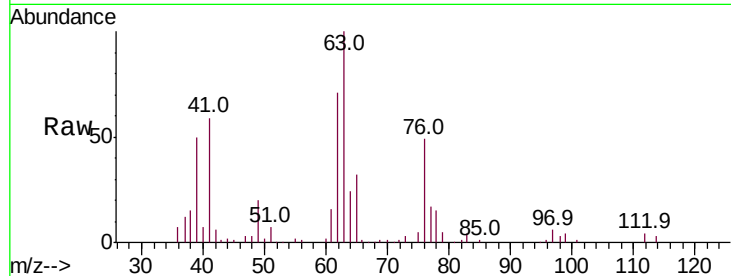
#45
 1,2-Dichloropropane
 Concen: 20.022 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion: 63 Resp: 107447
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

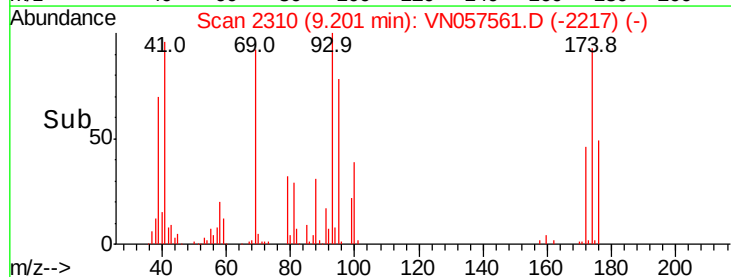
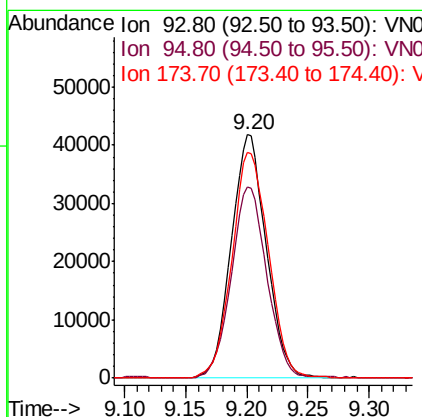
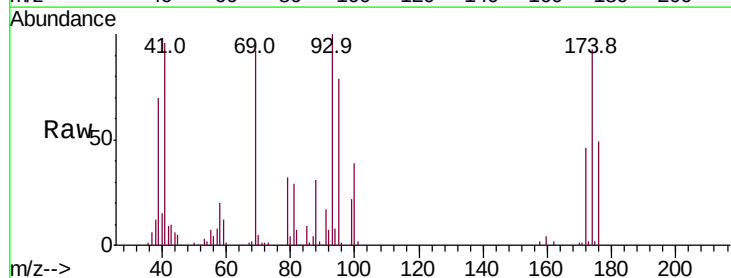
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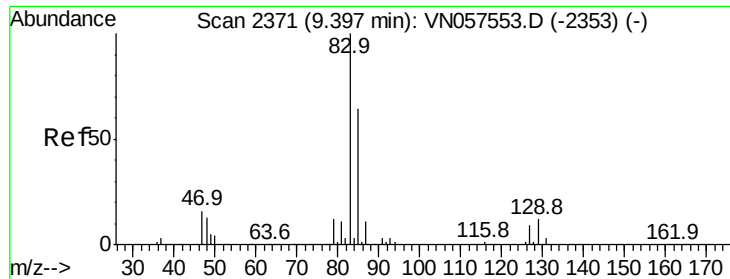
MMDadoda
 9/5/2019 11:35:13 AM



#46
 Dibromomethane
 Concen: 19.753 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion: 93 Resp: 83121
 Ion Ratio Lower Upper
 93 100
 95 80.0 64.7 97.1
 174 96.4 62.3 93.5#





#47

Bromodichloromethane

Concen: 19.316 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

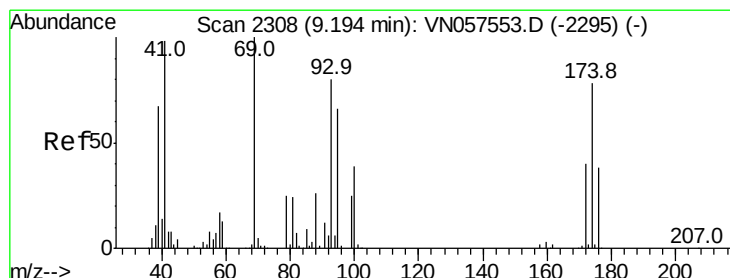
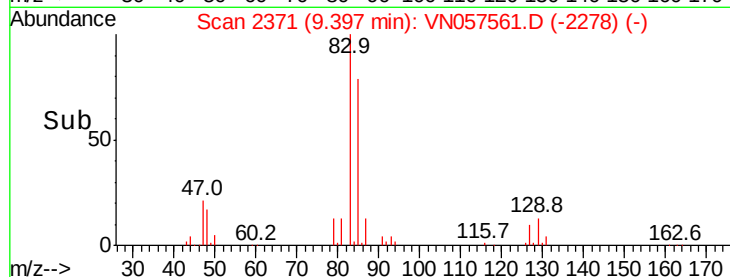
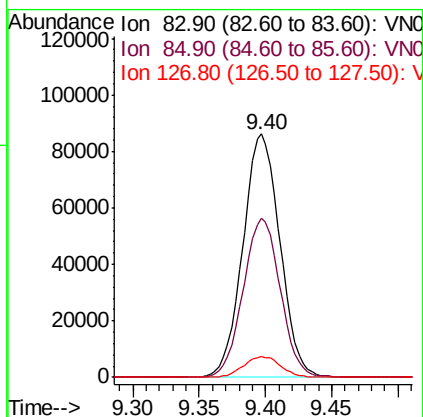
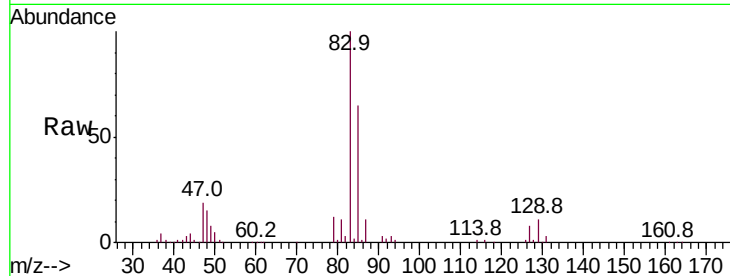
ClientSampleId :

VN0829WBSD01

Tot Ion:	83	Resp:	167581
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.2	76.8
127	8.3	6.6	10.0

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#48

Methyl methacrylate

Concen: 19.205 ug/l

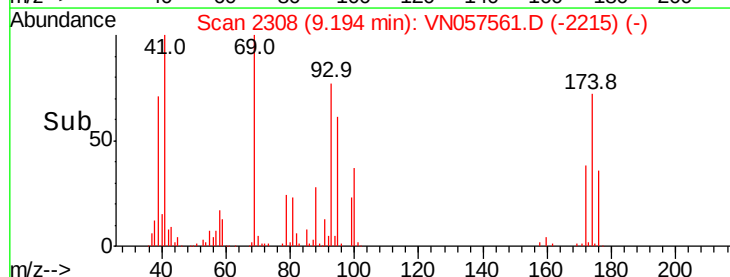
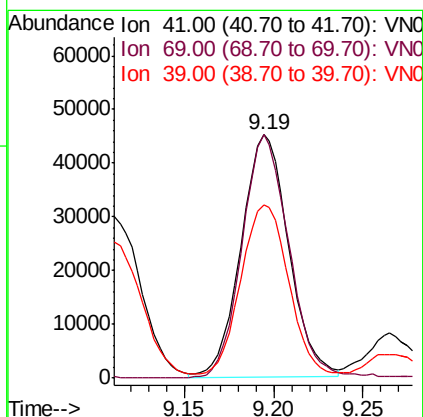
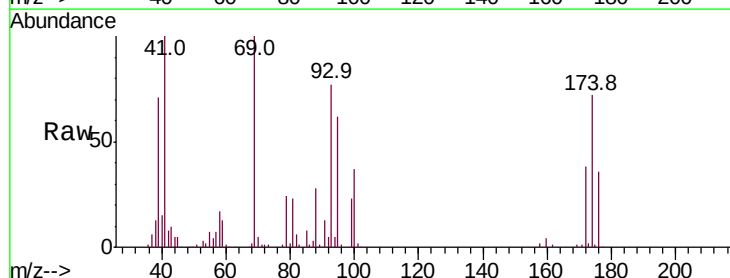
RT: 9.19 min Scan# 2308

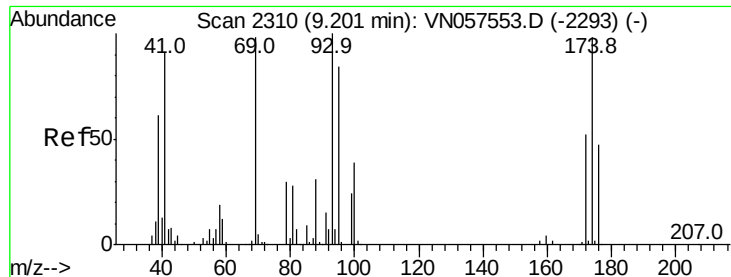
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	41	Resp:	84120
Ion Ratio	Lower	Upper	
41	100		
69	98.8	59.3	88.9#
39	72.3	50.6	75.8





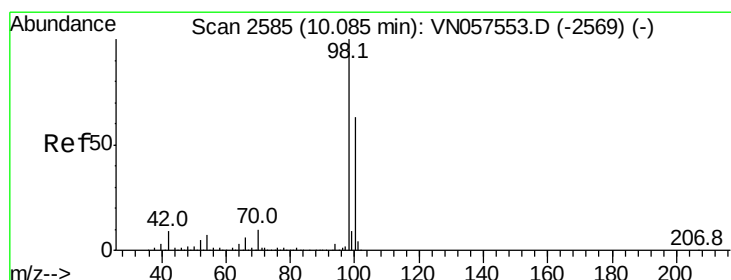
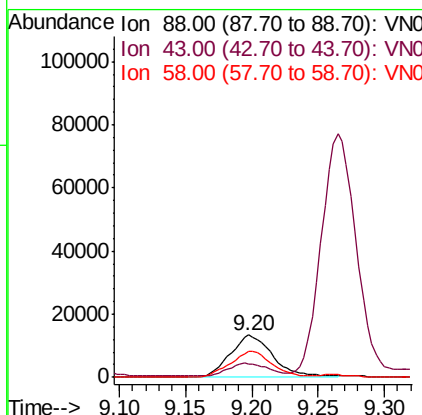
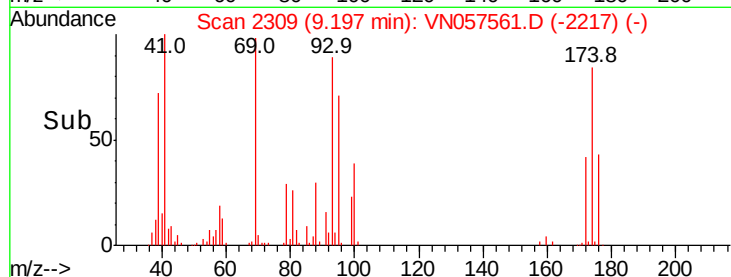
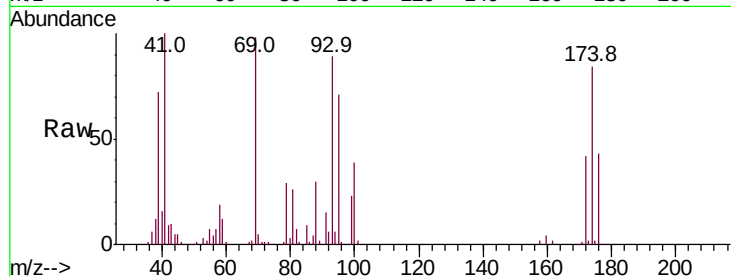
#49
 1,4-Dioxane
 Concen: 376.183 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD01

Tot Ion	88	Resp	30069
Ion	Ratio	Lower	Upper
88	100		
43	27.8	31.0	46.6#
58	60.1	64.5	96.7#

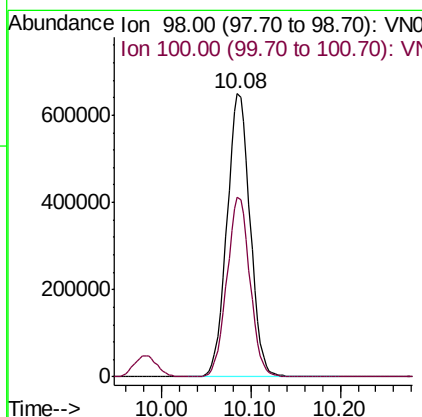
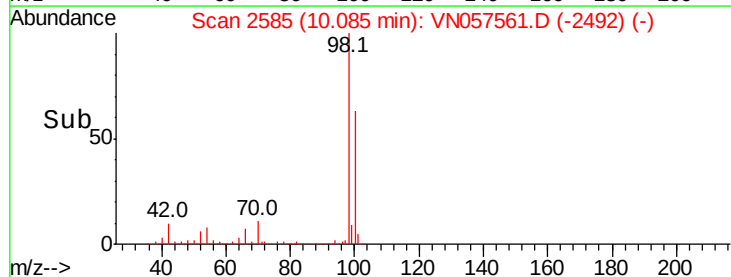
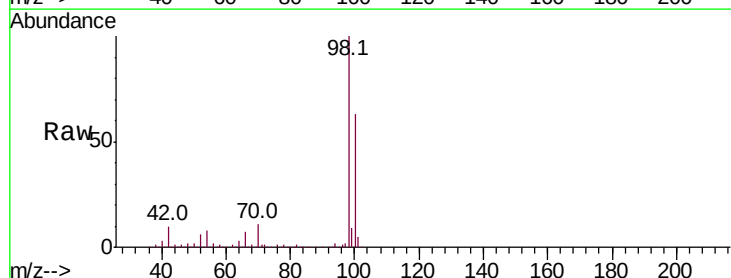
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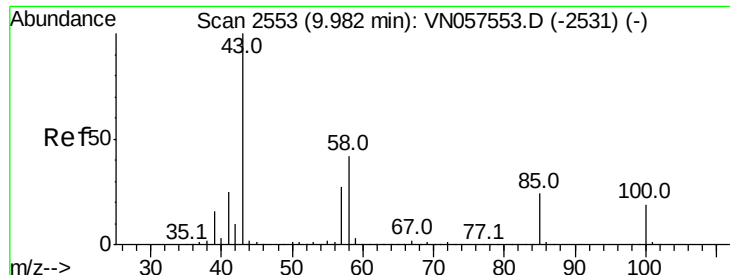
MMDadoda
 9/5/2019 11:35:13 AM



#50
 Toluene-d8
 Concen: 53.080 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	98	Resp	1167392
Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 101.670 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 43 Resp: 503932

Ion Ratio Lower Upper

43 100

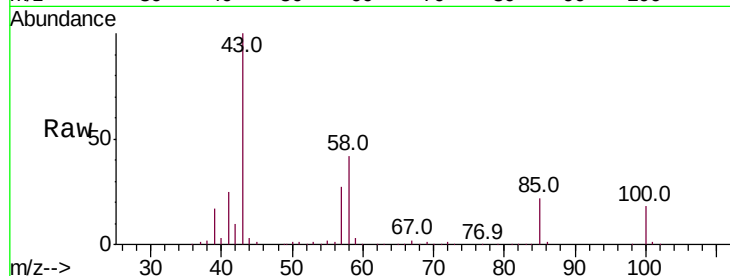
58 41.7 27.9 41.9

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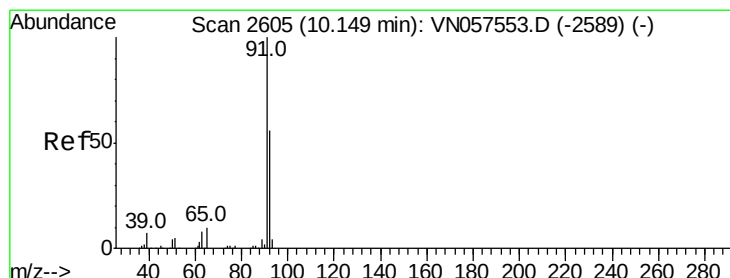
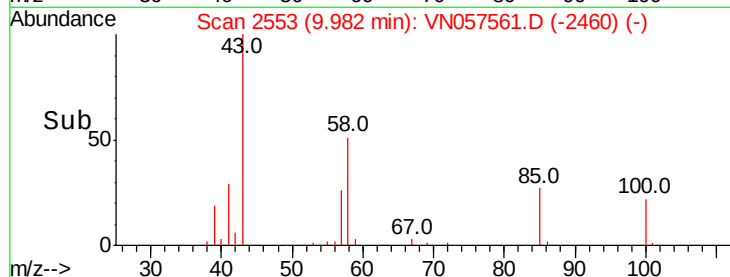
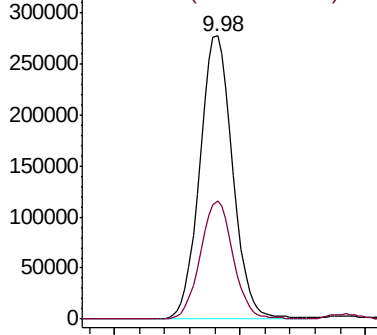
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.137 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057561.D

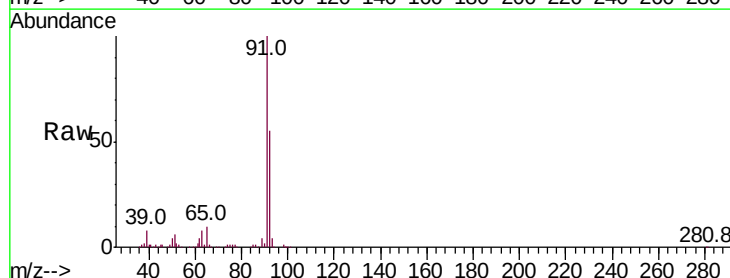
Acq: 29 Aug 2019 20:27

Tgt Ion: 92 Resp: 299605

Ion Ratio Lower Upper

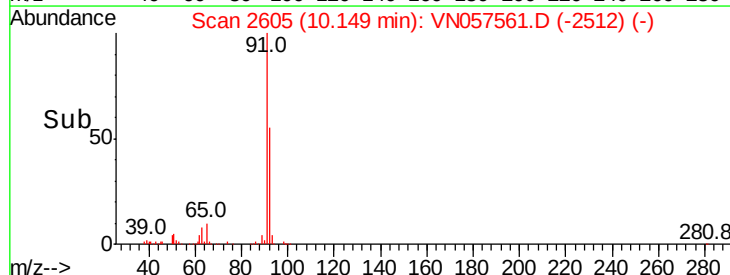
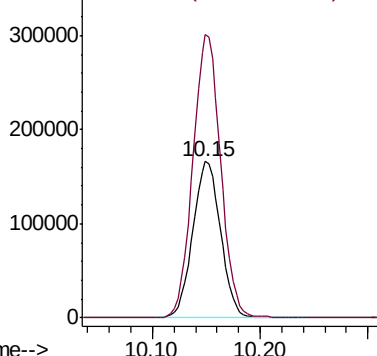
92 100

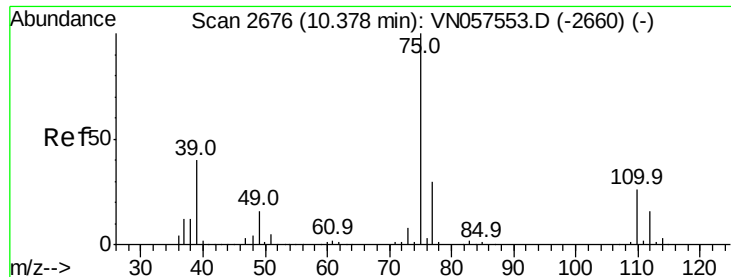
91 180.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.021 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 75 Resp: 159475

Ion Ratio Lower Upper

75 100

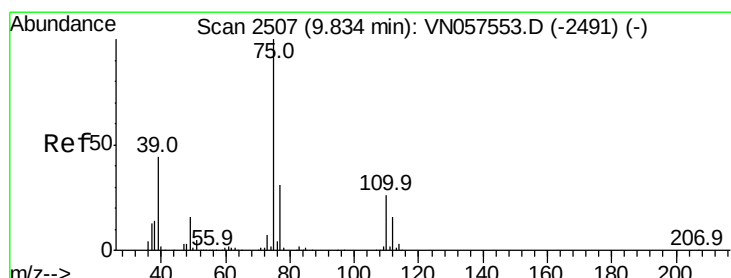
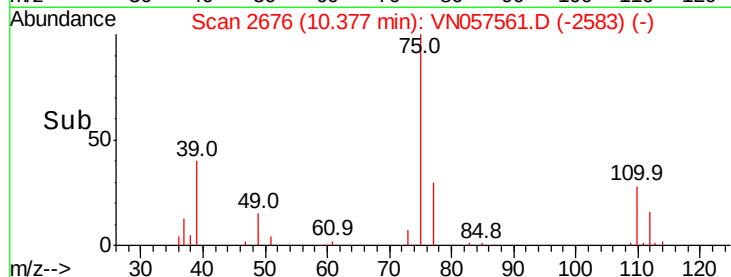
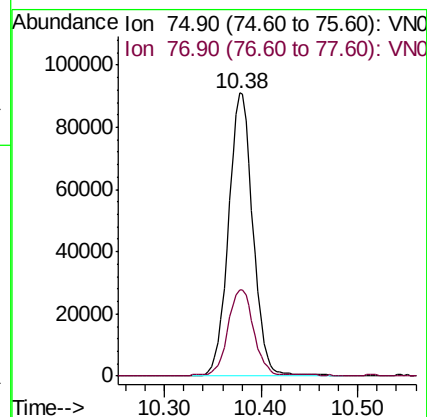
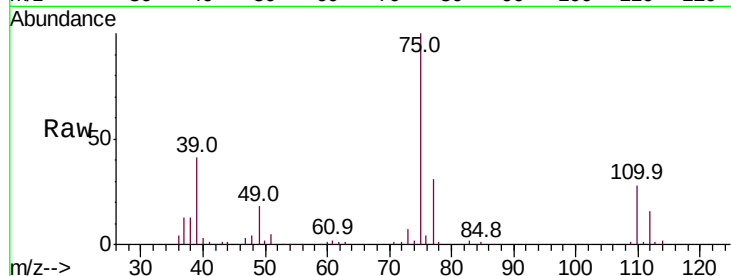
77 30.2 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.622 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

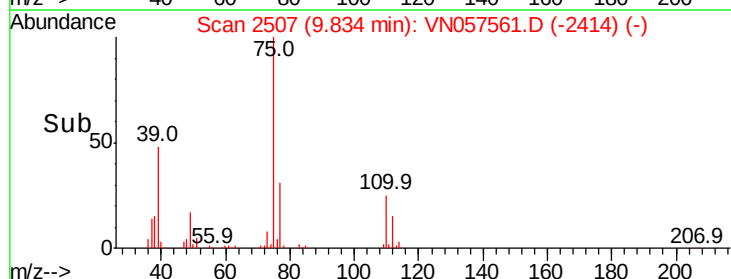
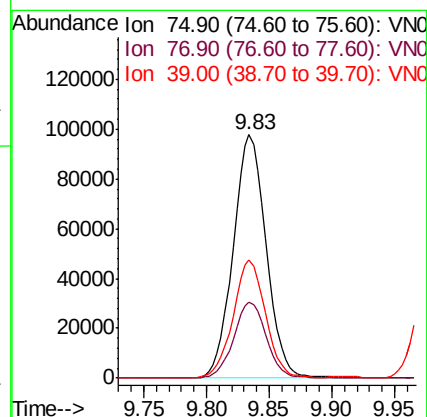
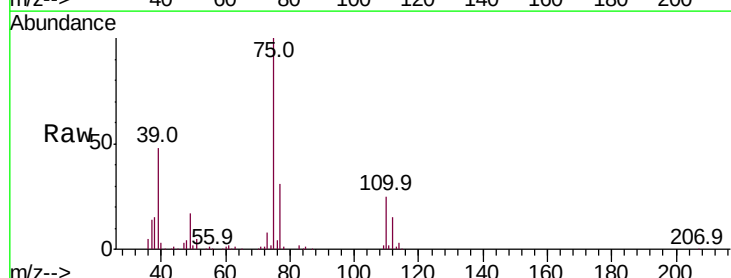
Tgt Ion: 75 Resp: 178183

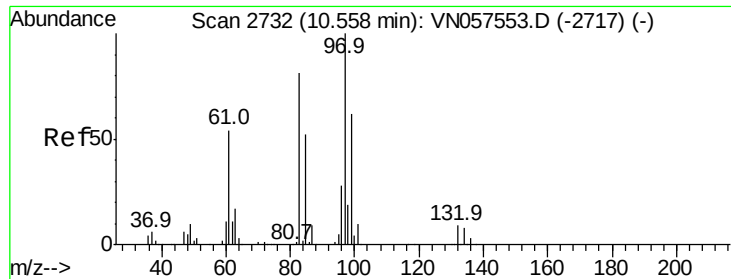
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 48.3 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 19.753 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion: 97 Resp: 113032

Ion Ratio Lower Upper

97 100

83 80.3 73.7 110.5

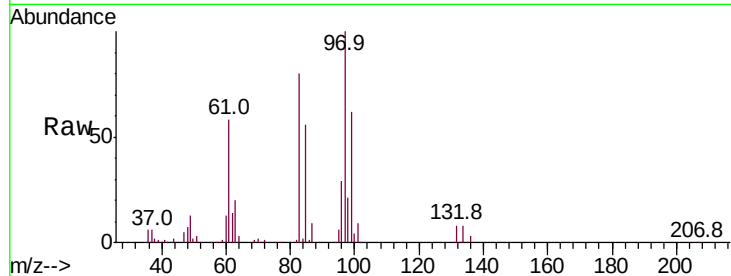
85 56.0 46.8 70.2

99 62.0 49.8 74.8

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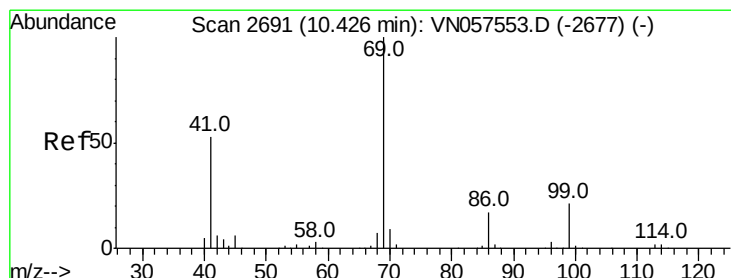
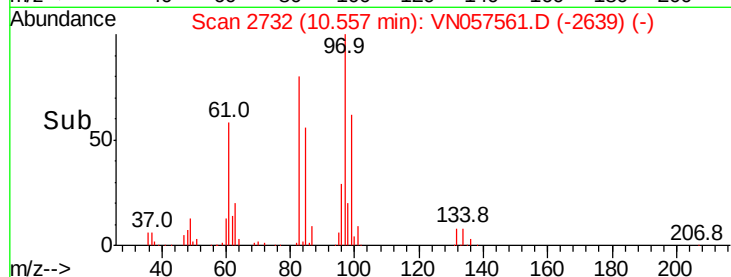
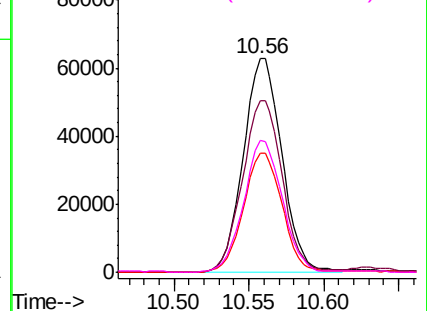
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.712 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

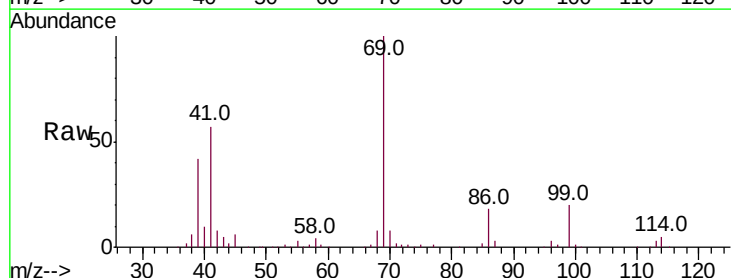
Tgt Ion: 69 Resp: 150137

Ion Ratio Lower Upper

69 100

41 55.8 60.8 91.2#

39 40.5 36.5 54.7

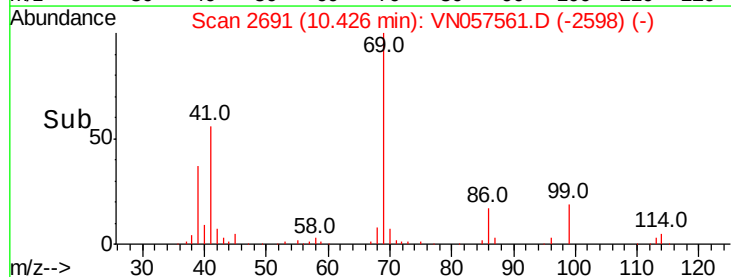
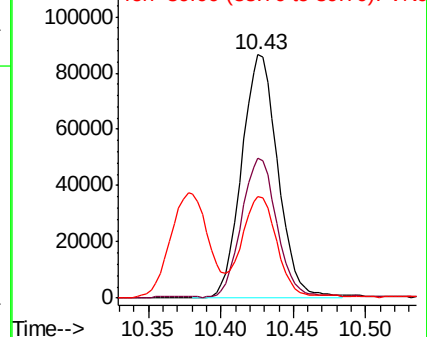


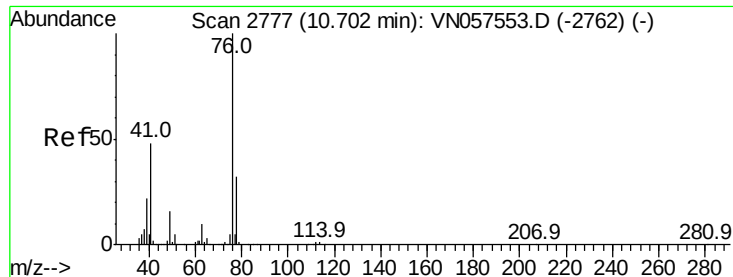
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.738 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057561.D

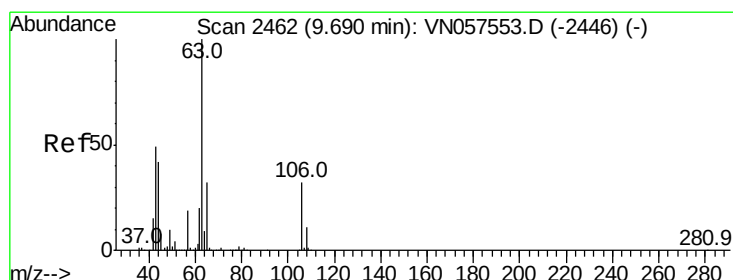
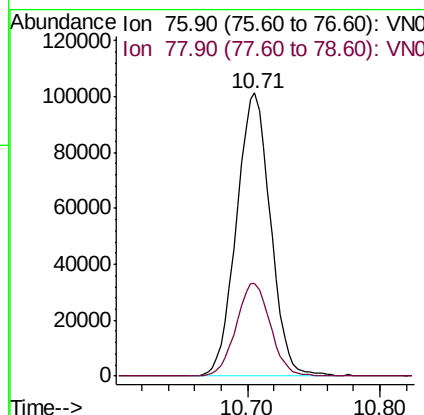
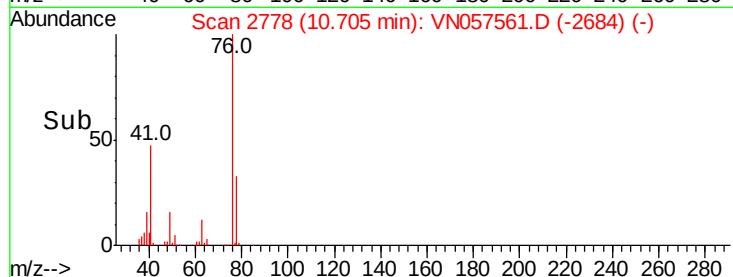
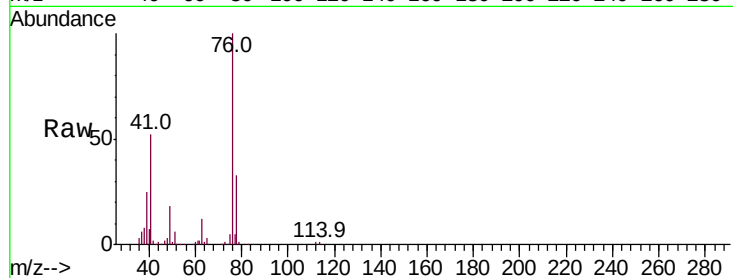
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 104.107 ug/l

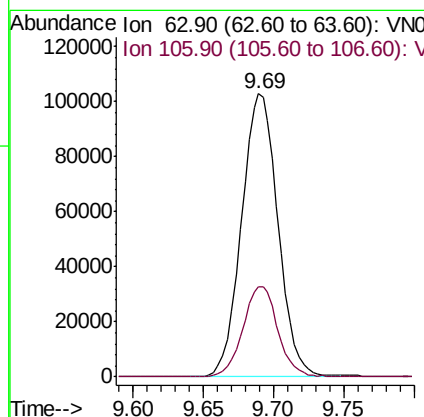
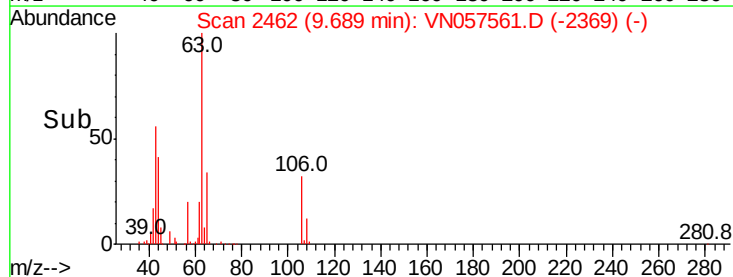
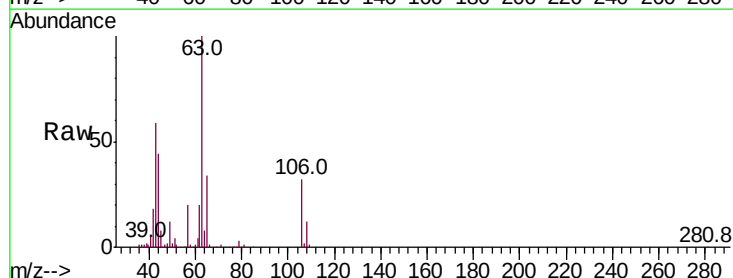
RT: 9.69 min Scan# 2462

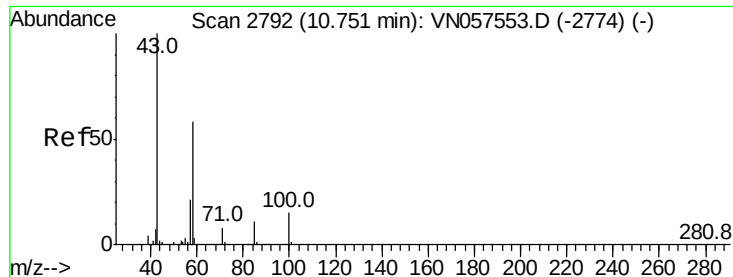
Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	18.6	27.8#





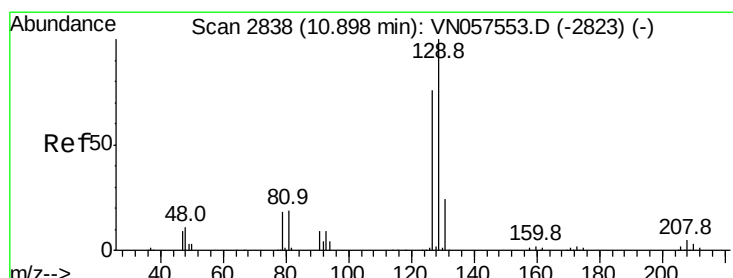
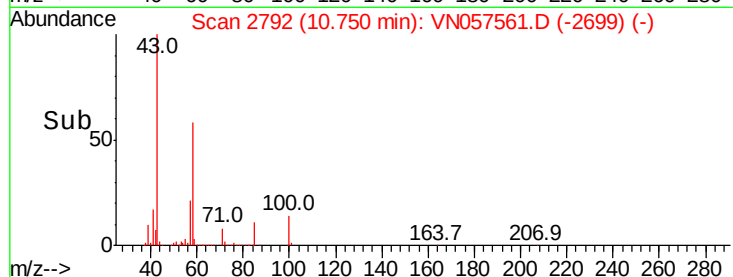
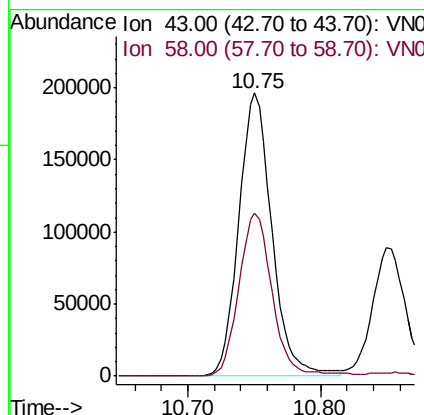
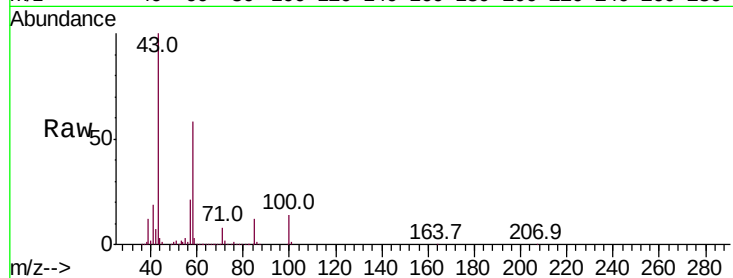
#59
2-Hexanone
Concen: 99.193 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	24.6	73.6

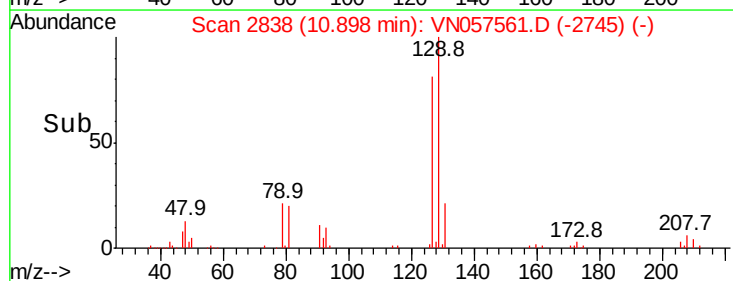
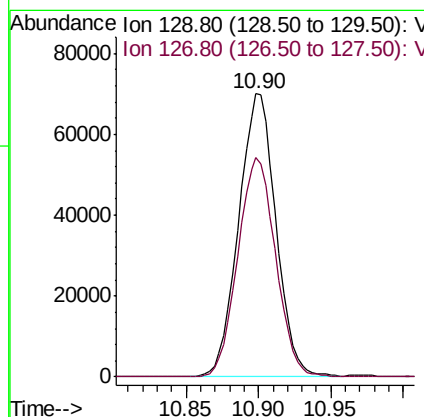
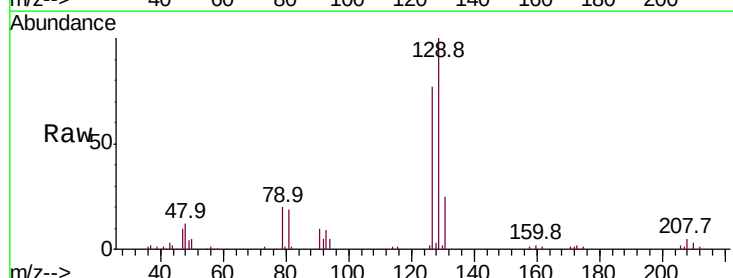
Manual Integrations
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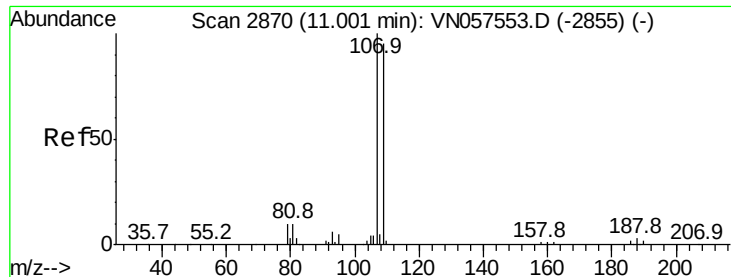
MMDadoda
9/5/2019 11:35:13 AM



#60
Dibromochloromethane
Concen: 19.181 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	116.9





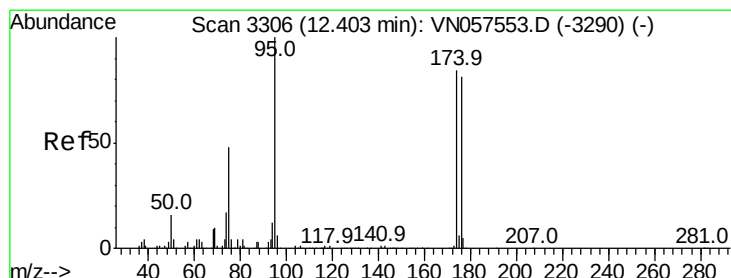
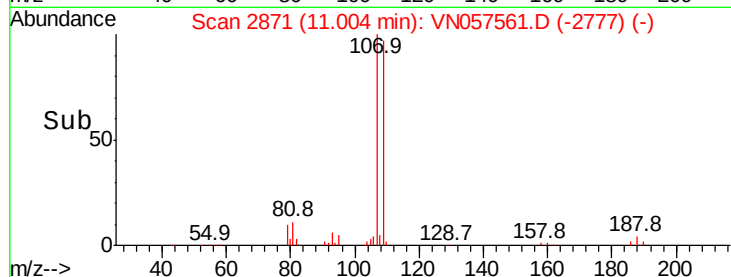
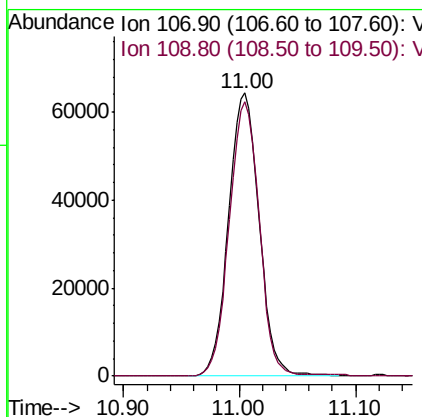
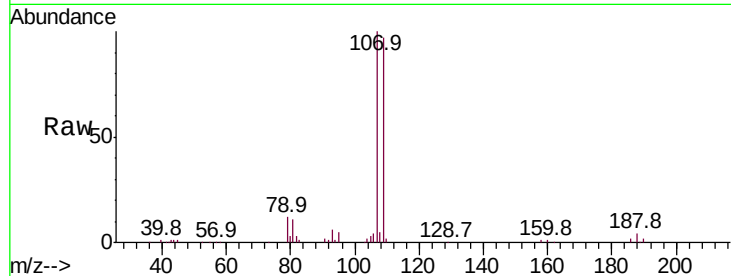
#61
 1,2-Dibromoethane
 Concen: 19.617 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	73.8	110.8

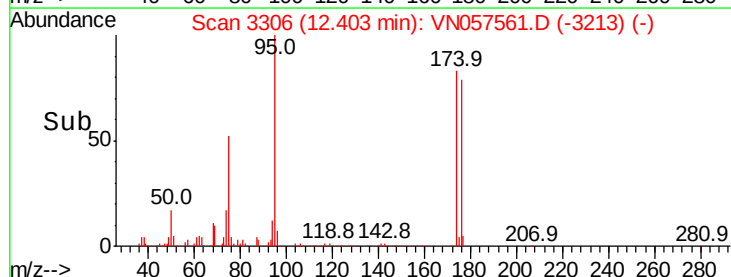
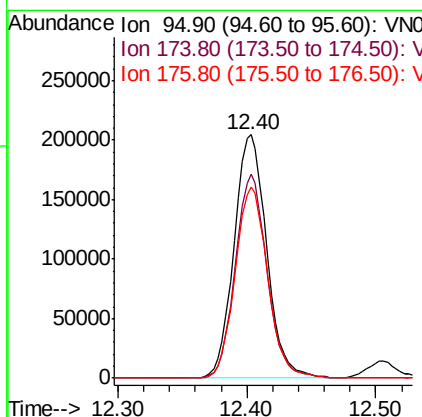
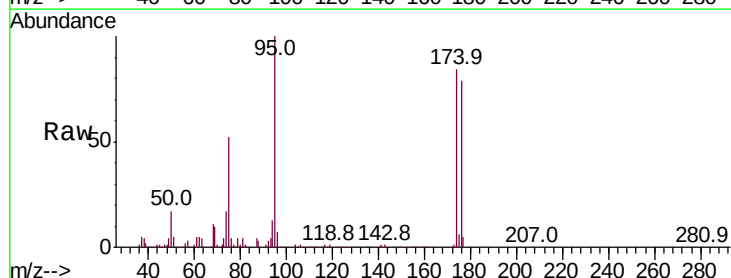
Manual Integrations
 APPROVED

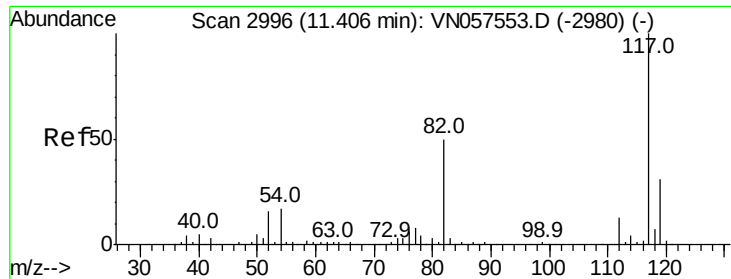
MMDadoda
 9/5/2019 11:35:13 AM



#62
 4-Bromofluorobenzene
 Concen: 48.295 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	133.0
176	78.3	0.0	130.8





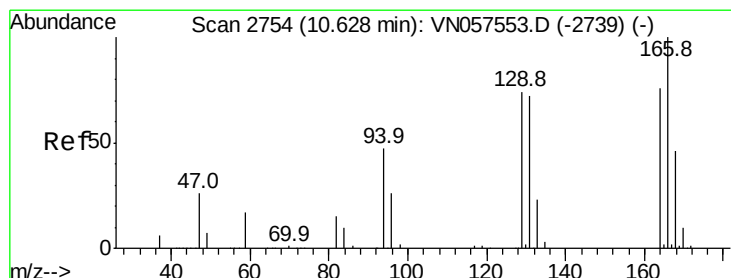
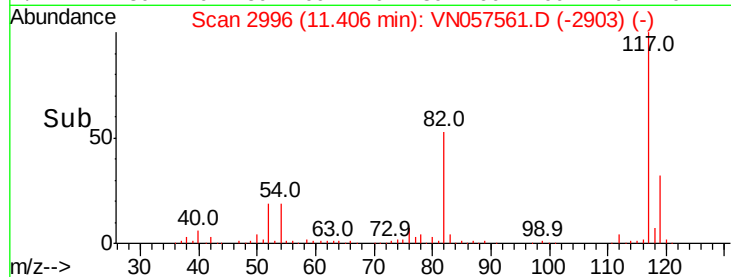
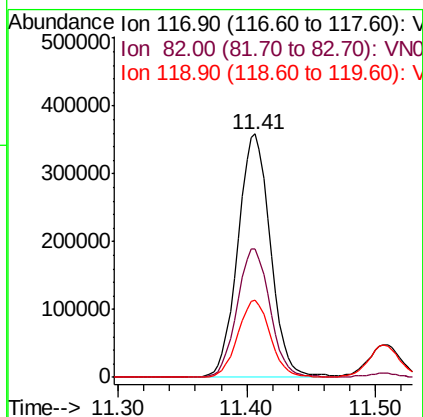
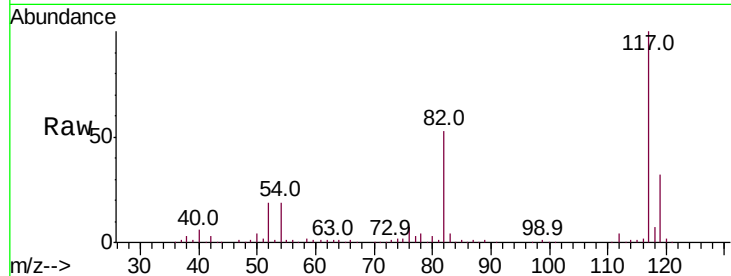
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	50.6	75.8
119	31.8	24.6	36.8

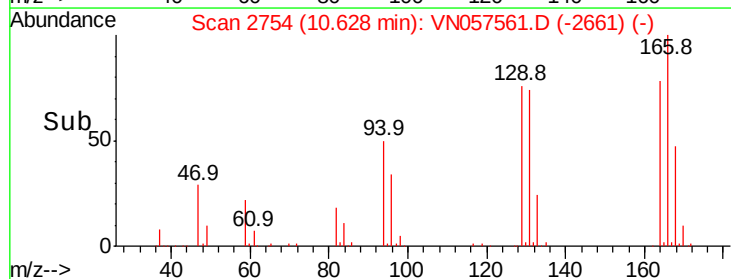
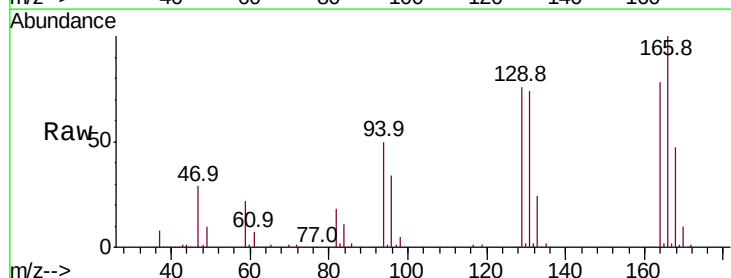
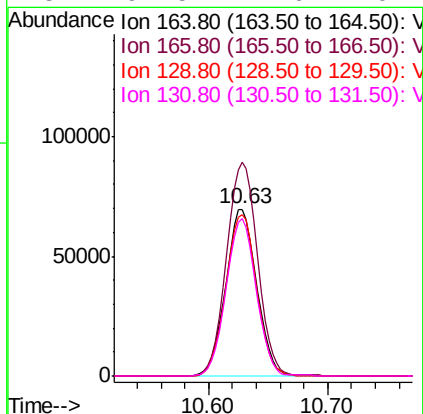
Manual Integrations
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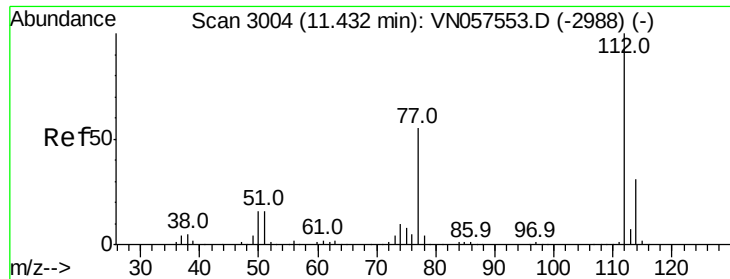
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9/5/2019 11:35:13 AM



#64
Tetrachloroethene
Concen: 19.358 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.4	156.6
129	97.2	86.6	130.0
131	94.5	77.6	116.4





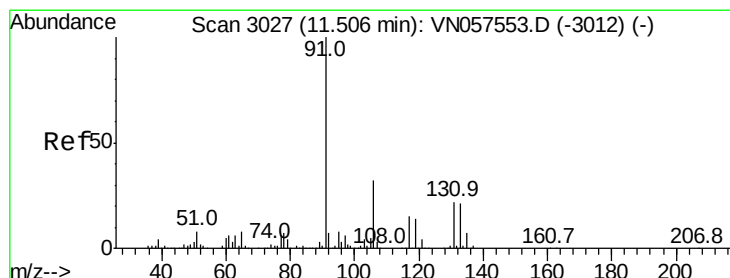
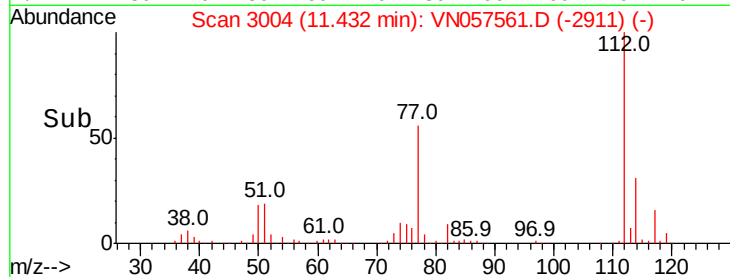
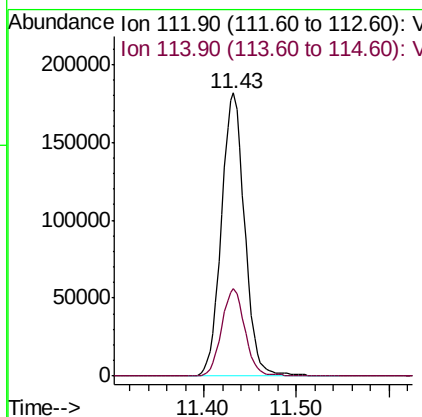
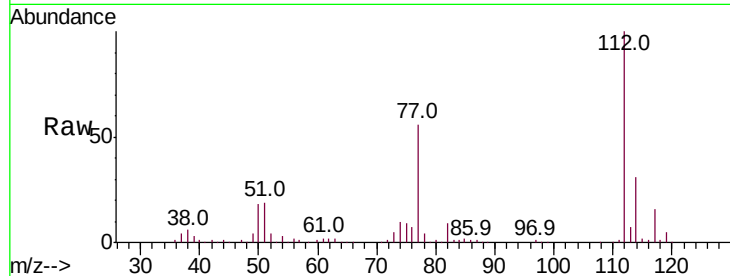
#65
Chlorobenzene
Concen: 19.974 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion:112 Resp: 316402
Ion Ratio Lower Upper
112 100
114 30.7 24.8 37.2

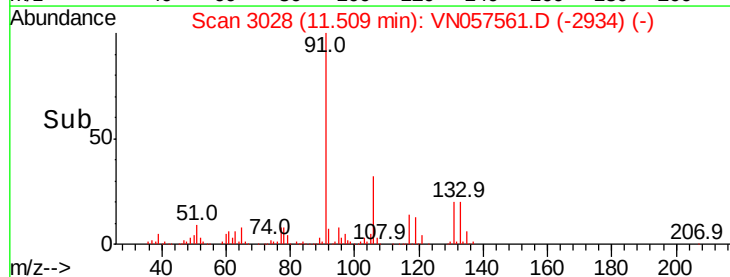
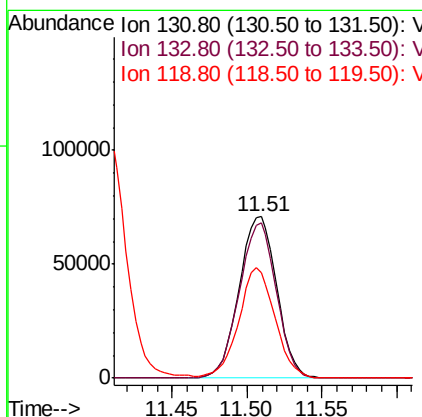
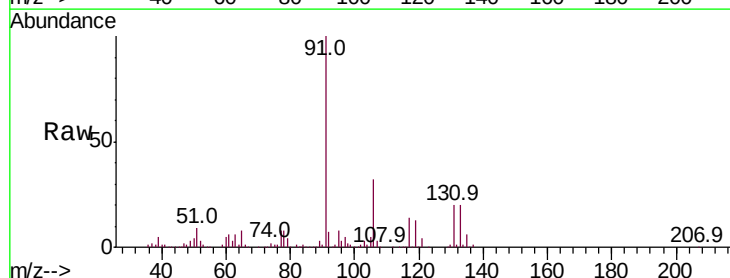
Manual Integrations
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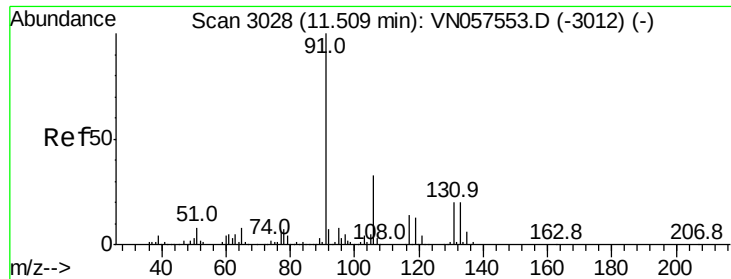
MMDadoda
9/5/2019 11:35:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.880 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:131 Resp: 124198
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 65.9 34.4 103.2





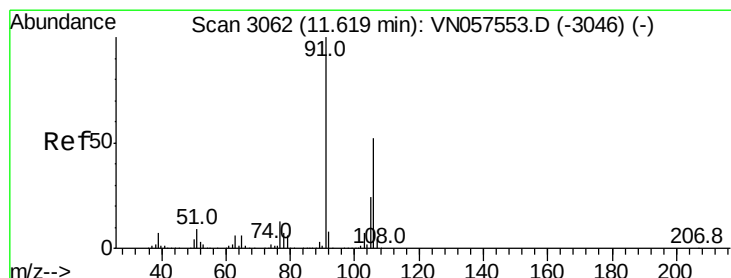
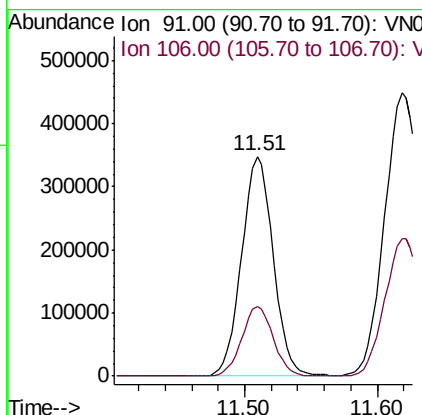
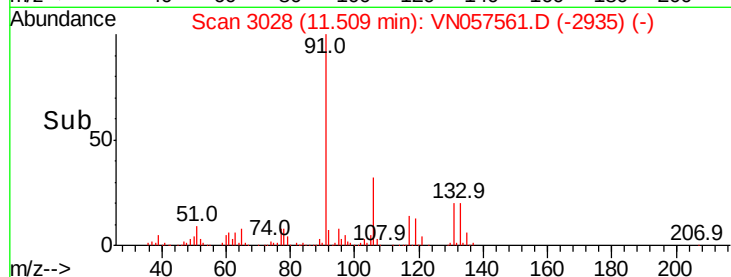
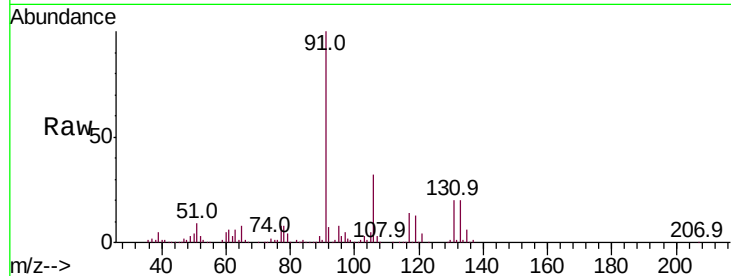
#67
Ethyl Benzene
Concen: 20.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion: 91 Resp: 576649
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

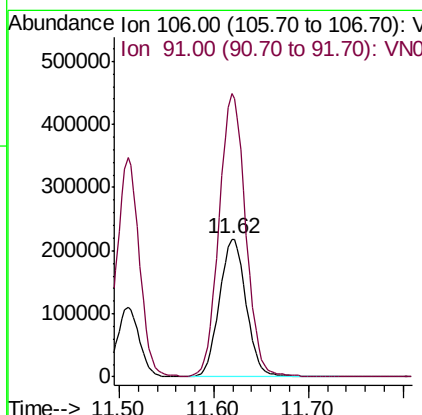
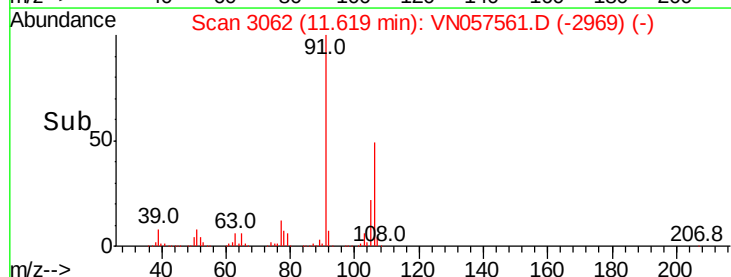
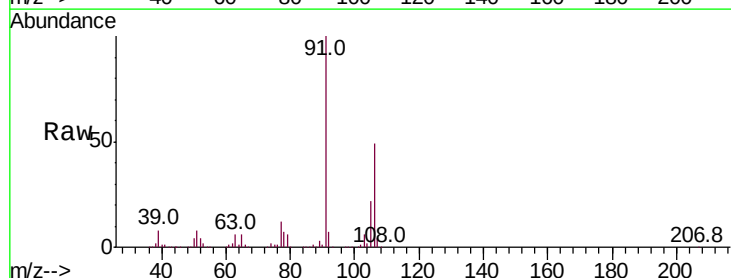
Manual Integrations
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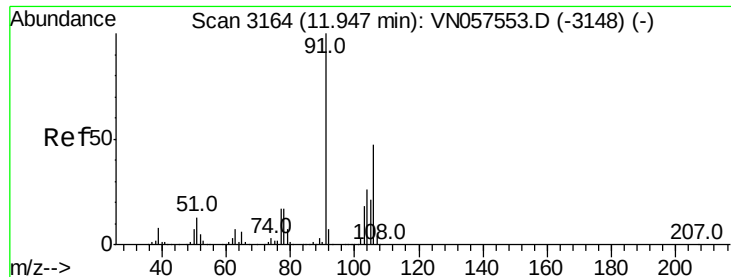
MMDadoda
9/5/2019 11:35:13 AM



#68
m/p-Xylenes
Concen: 40.694 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 106 Resp: 431162
Ion Ratio Lower Upper
106 100
91 203.6 171.8 257.6





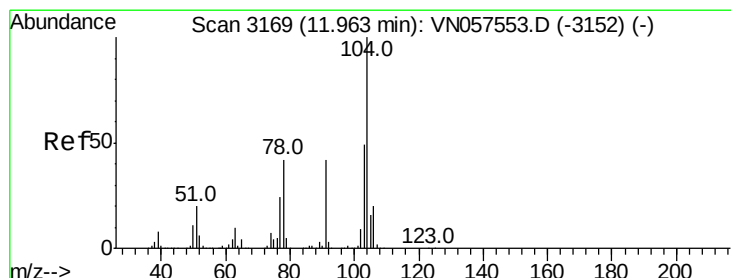
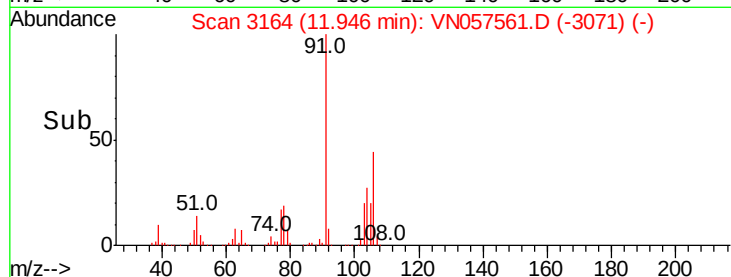
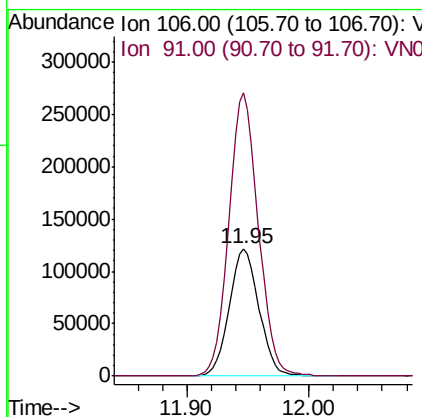
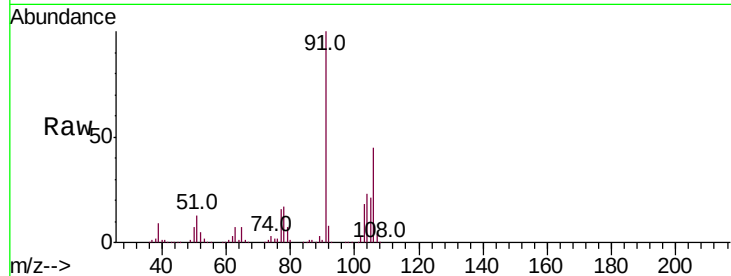
#69
o-Xylene
Concen: 19.433 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	206767		
91	220.1	112.3	336.9	

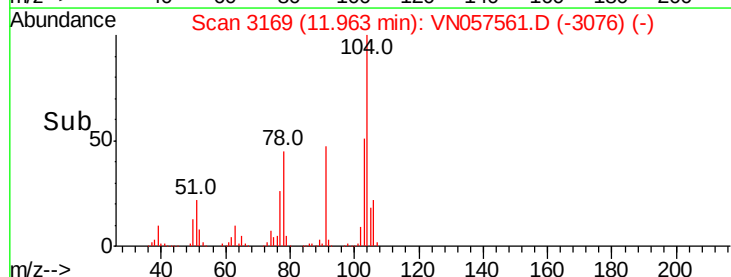
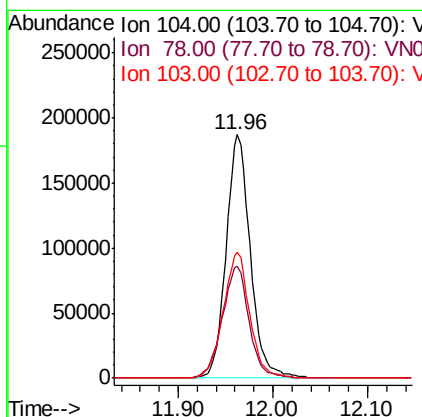
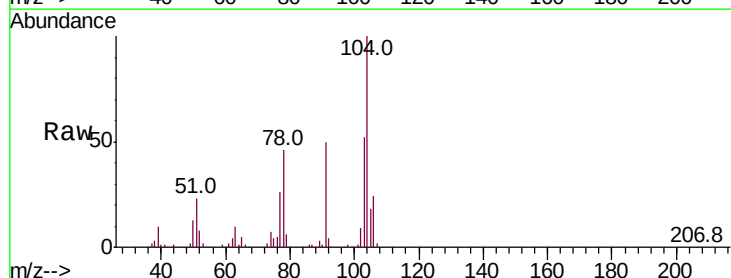
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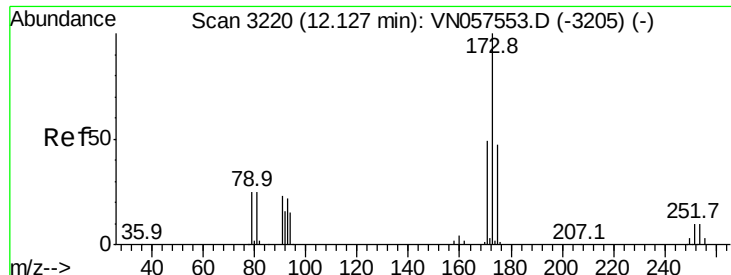
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#70
Styrene
Concen: 20.651 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	331650		
78	51.1	44.7	67.1	
103	56.7	44.4	66.6	





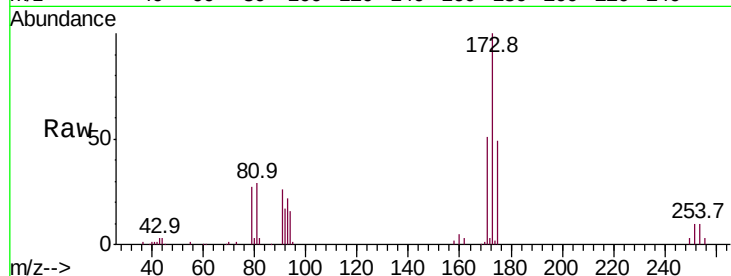
#71
Bromoform
Concen: 19.530 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.9	71.8
254	0.0	0.1	0.1#

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9/5/2019 11:35:13 AM

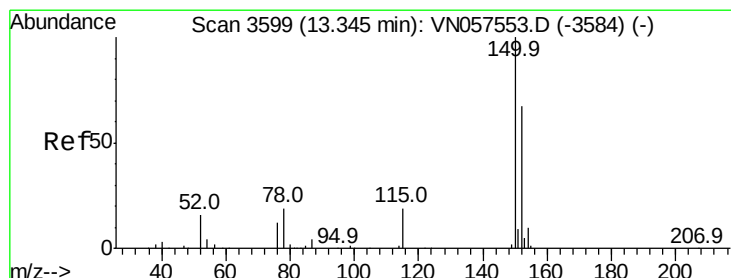
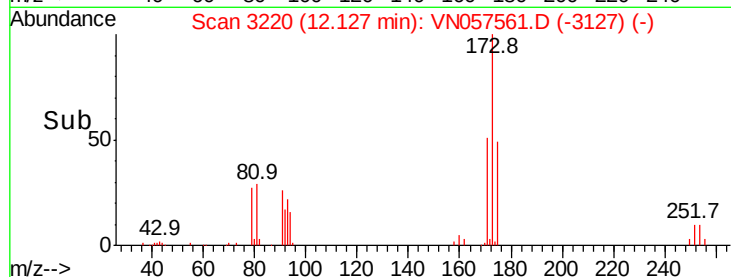
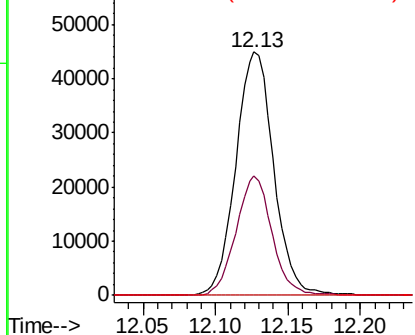


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

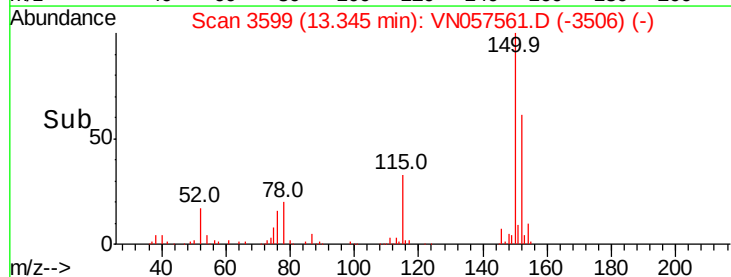
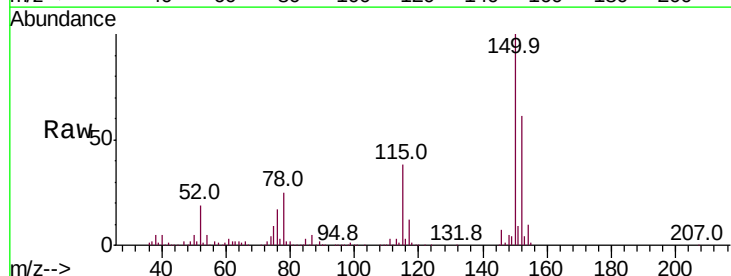
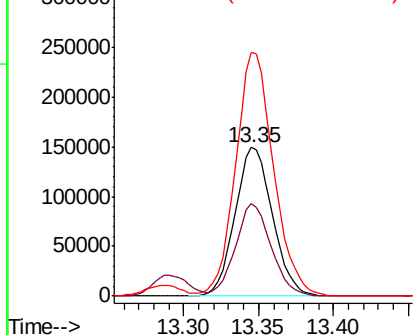
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	32.0	96.0
150	166.5	0.0	346.6

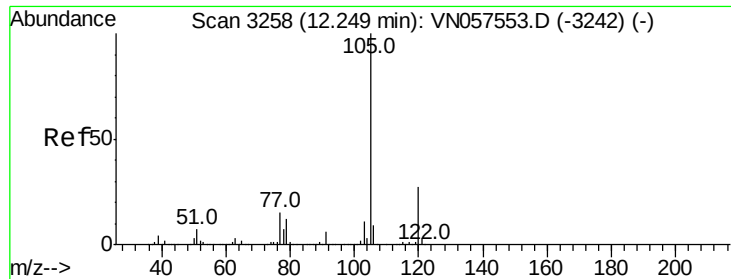
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.738 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBSD01

Tot Ion:105 Resp: 567523

Ion Ratio Lower Upper

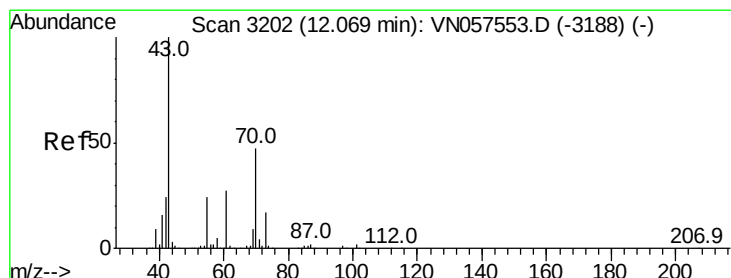
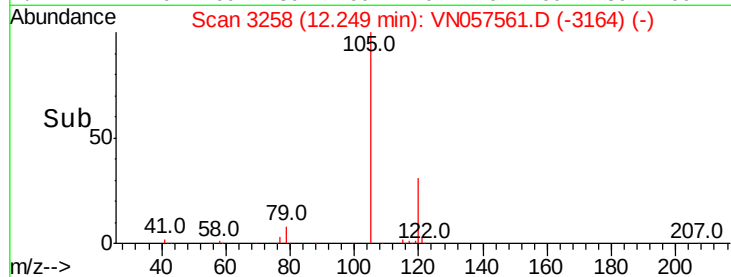
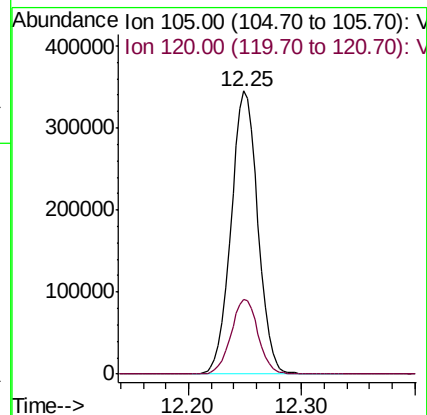
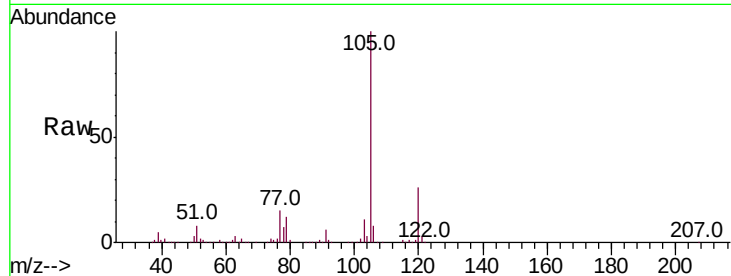
105 100

120 26.6 12.7 38.0

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#74

N-ethyl acetate

Concen: 24.097 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion: 43 Resp: 144178

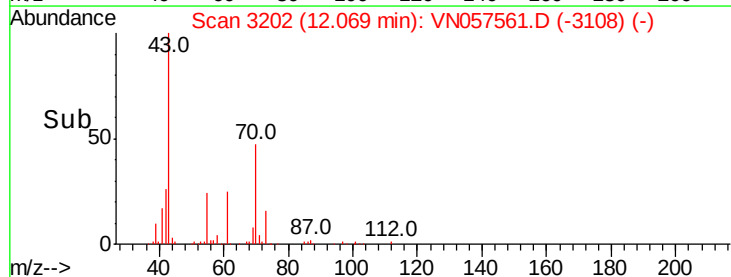
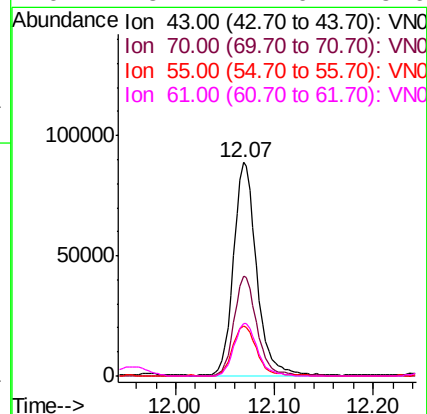
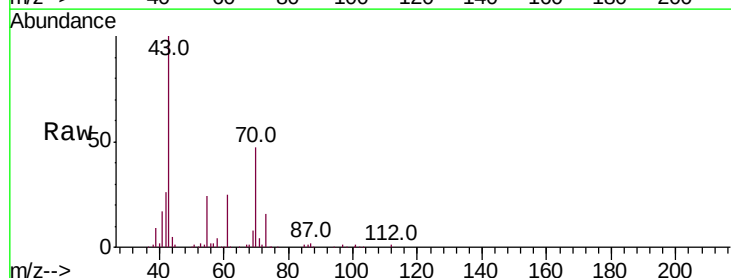
Ion Ratio Lower Upper

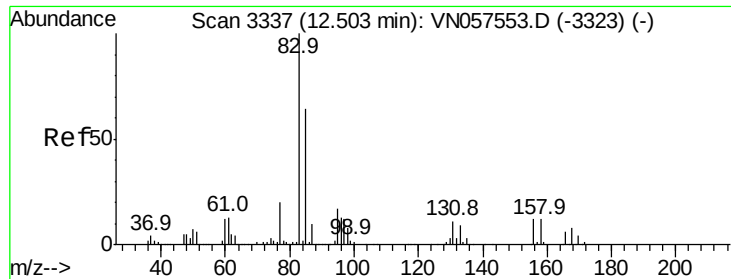
43 100

70 46.5 27.8 41.6#

55 24.5 17.0 25.4

61 25.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.372 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

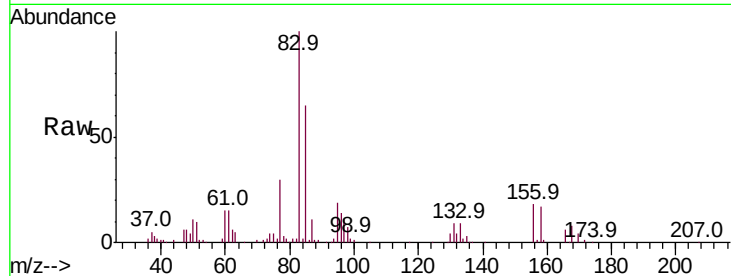
ClientSampled :

VN0829WBSD01

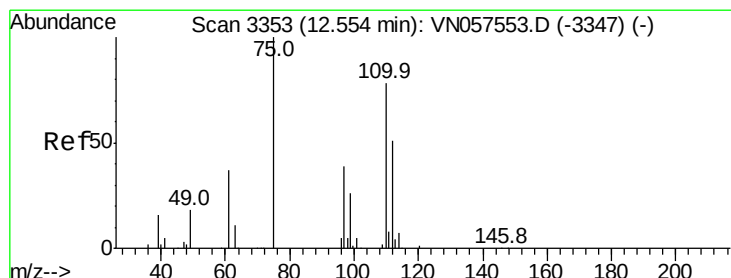
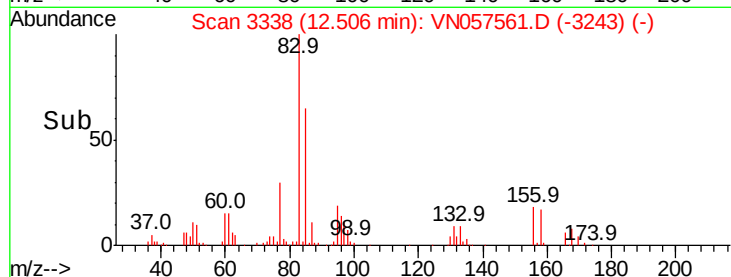
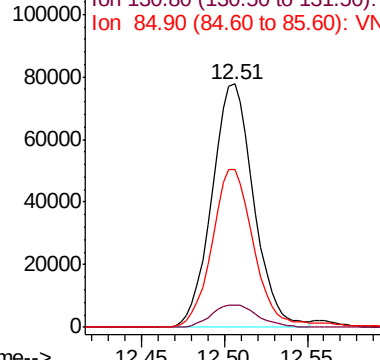
Tot Ion:	83	Resp:	136303
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.3	13.1
85	65.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 22.734 ug/l m

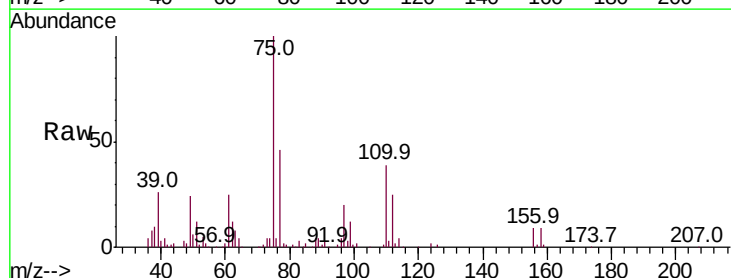
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

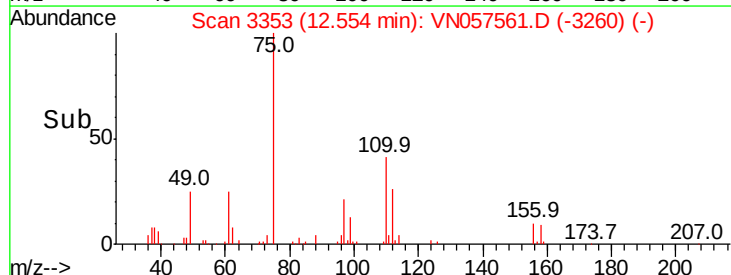
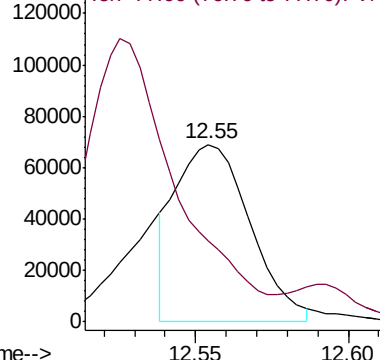
Lab File: VN057561.D

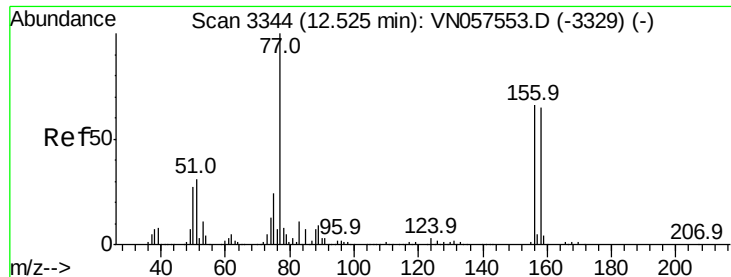
Acq: 29 Aug 2019 20:27

Tgt Ion:	75	Resp:	117327
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3347) (-)





#77

Bromobenzene

Concen: 19.995 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

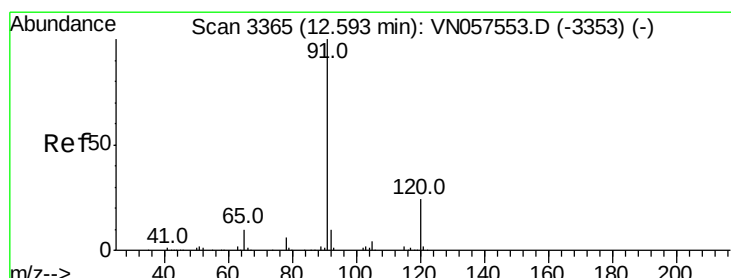
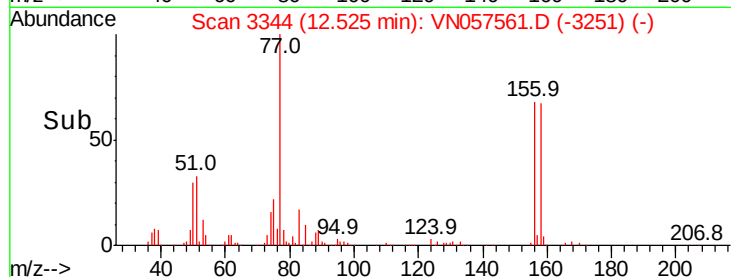
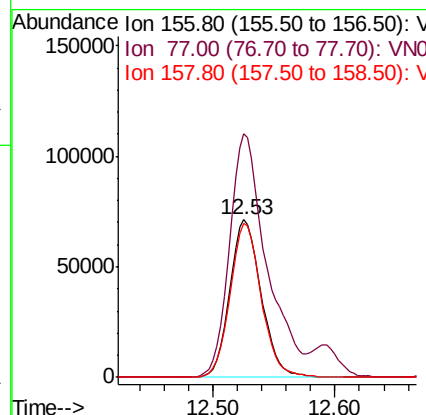
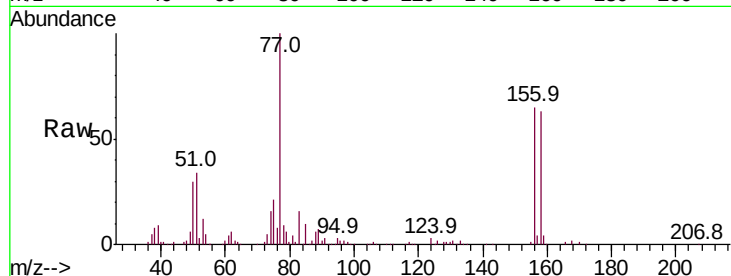
ClientSampled :

VN0829WBSD01

Tot Ion:	156	Resp:	128269
Ion Ratio	Lower	Upper	
156	100		
77	183.1	124.4	373.3
158	97.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.983 ug/l

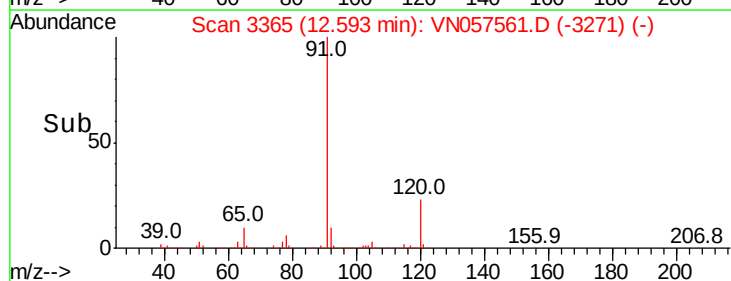
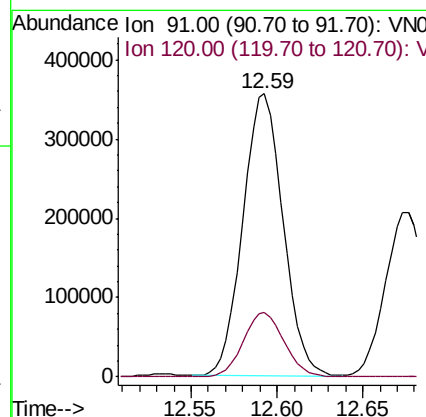
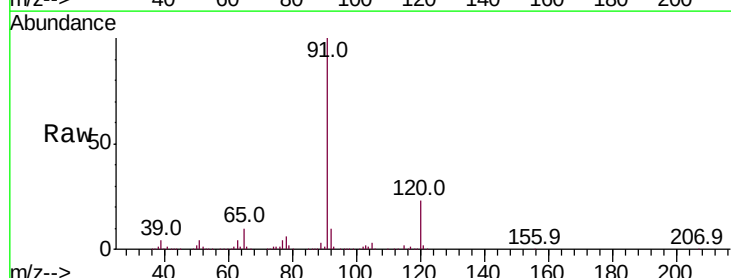
RT: 12.59 min Scan# 3365

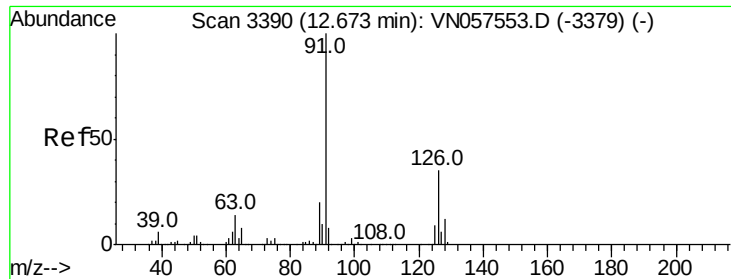
Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	91	Resp:	576833
Ion Ratio	Lower	Upper	
91	100		
120	23.1	10.7	32.1





#79

2-Chlorotoluene

Concen: 20.446 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

VN0829WBSD01

Tot Ion: 91 Resp: 350102

Ion Ratio Lower Upper

91 100

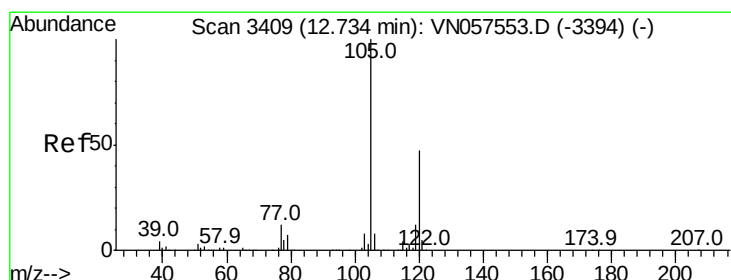
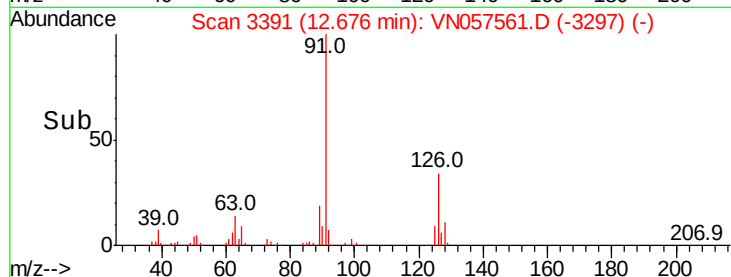
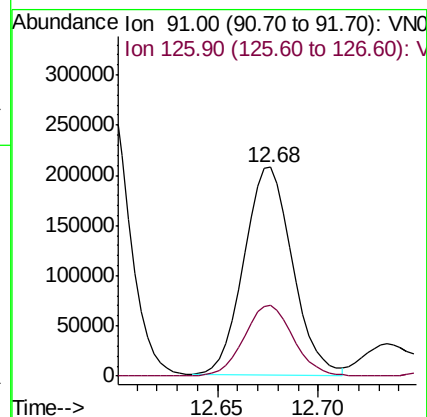
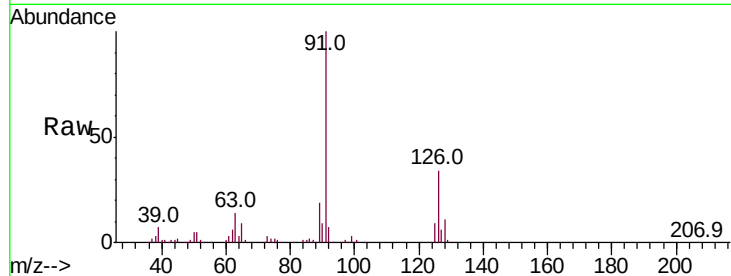
126 34.6 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.731 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057561.D

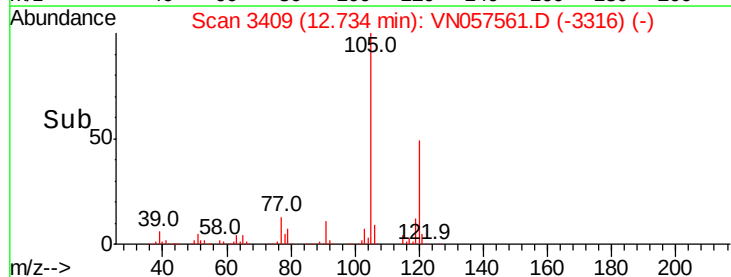
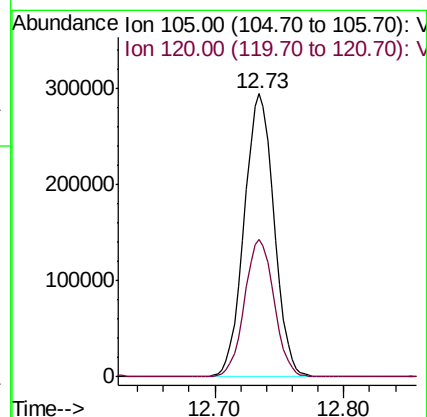
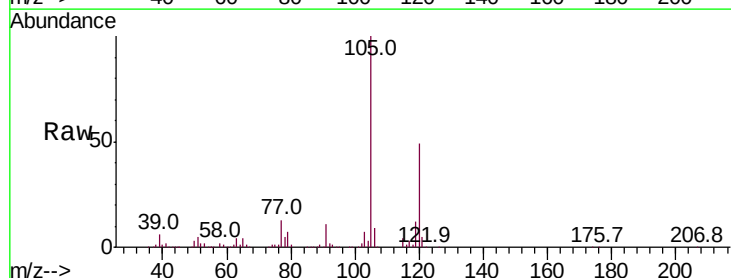
Acq: 29 Aug 2019 20:27

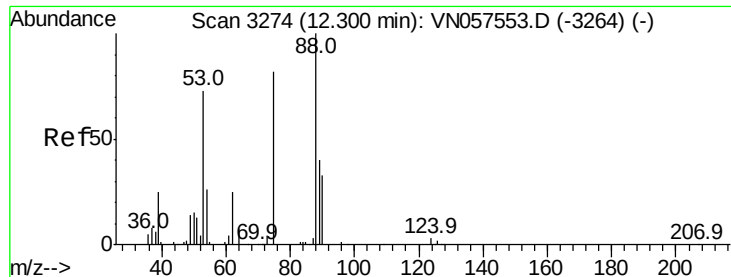
Tgt Ion: 105 Resp: 473216

Ion Ratio Lower Upper

105 100

120 48.0 23.3 69.8





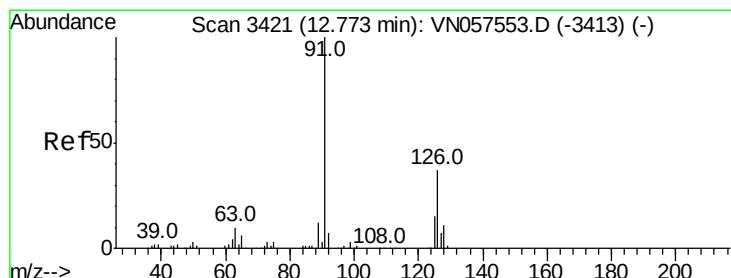
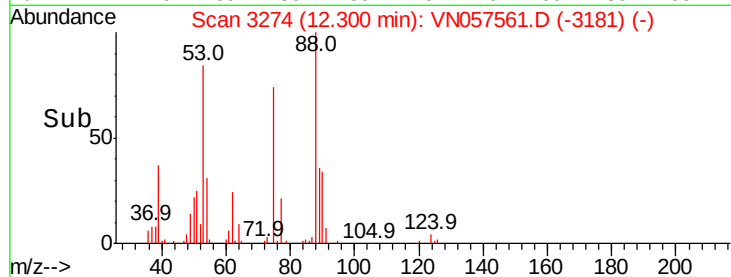
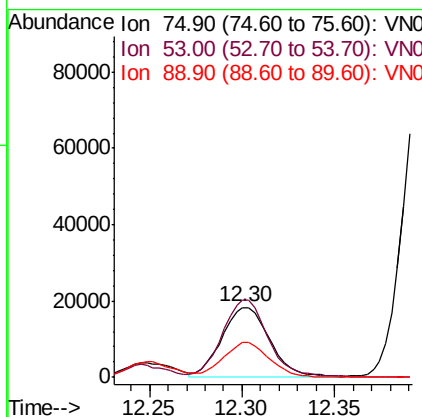
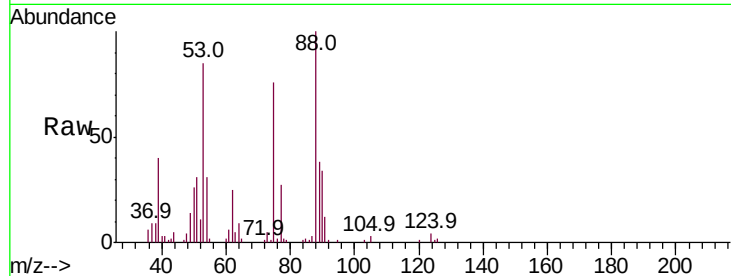
#81
trans-1,4-Dichloro-2-butene
Concen: 18.881 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	82.7	124.1
89	46.6	35.8	53.8

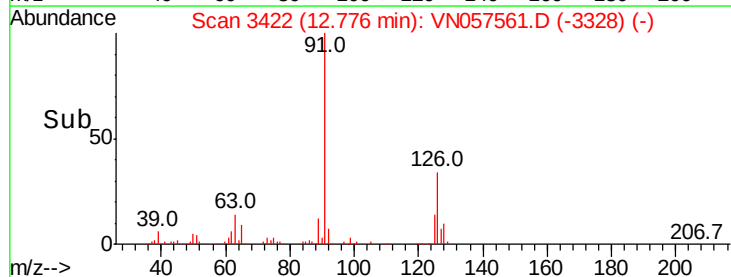
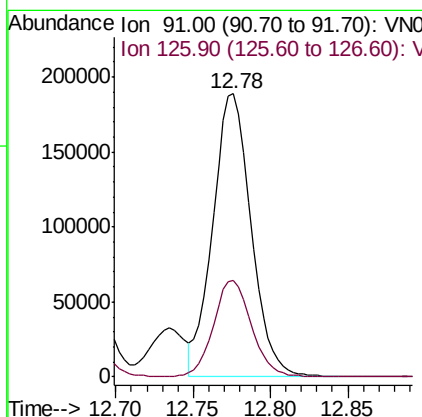
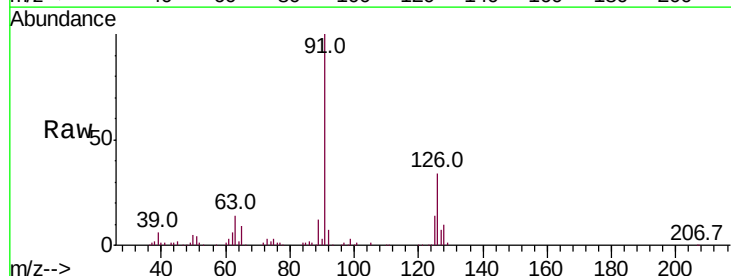
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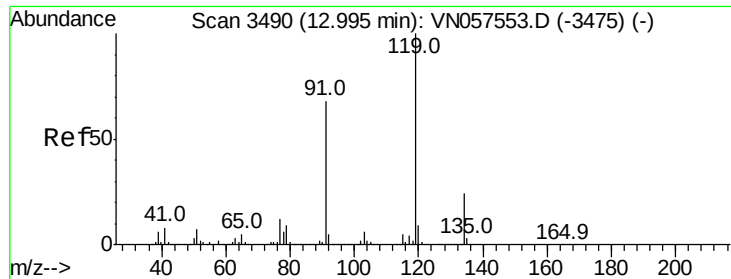
MMDadoda
9/5/2019 11:35:13 AM



#82
4-Chlorotoluene
Concen: 20.404 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	15.0	45.0





#83

tert-Butylbenzene

Concen: 22.973 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

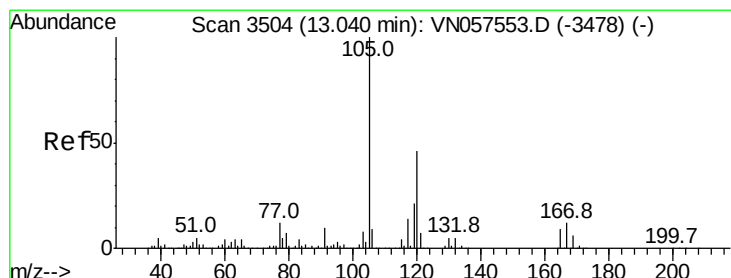
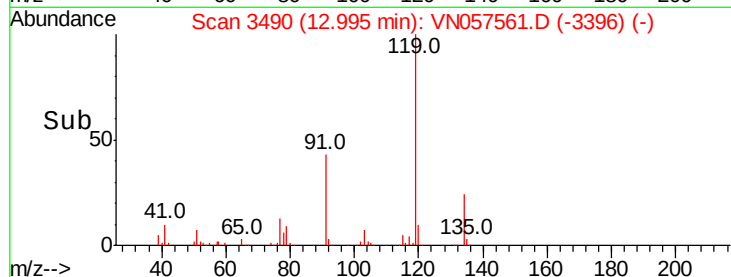
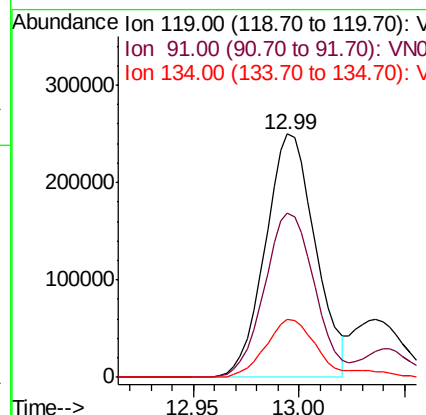
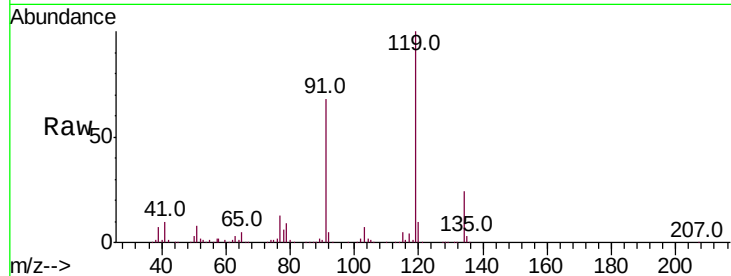
ClientSampleId :

VN0829WBSD01

Tot Ion:	119	Resp:	411802
Ion Ratio	Lower	Upper	
119	100		
91	68.1	37.0	111.0
134	25.7	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.293 ug/l

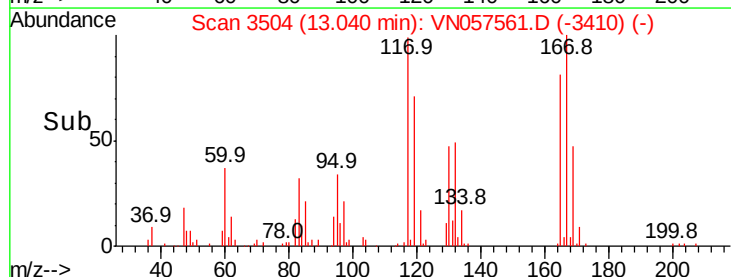
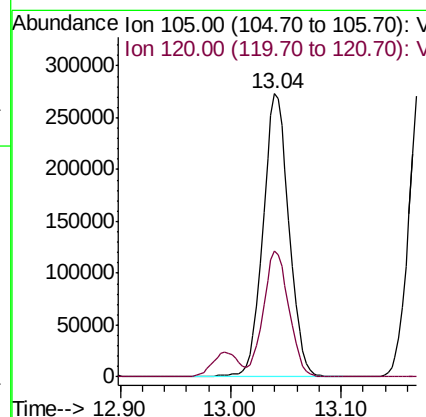
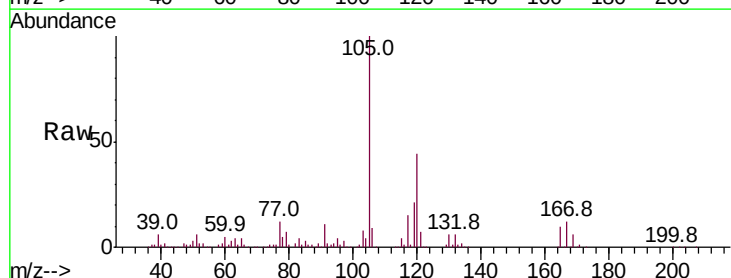
RT: 13.04 min Scan# 3504

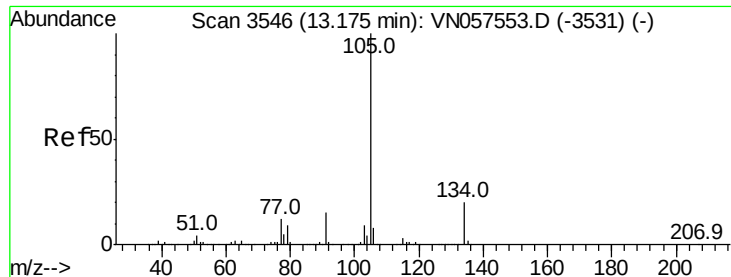
Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	105	Resp:	443999
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.7





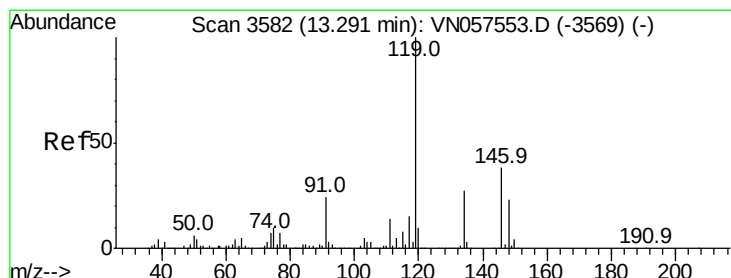
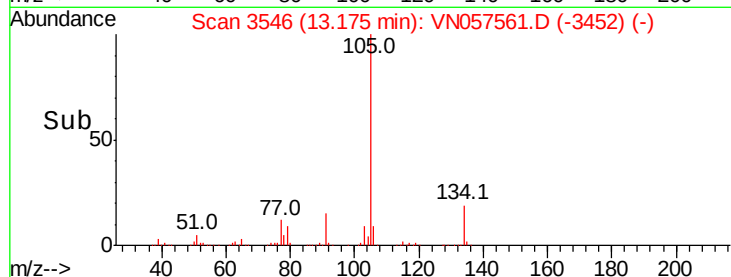
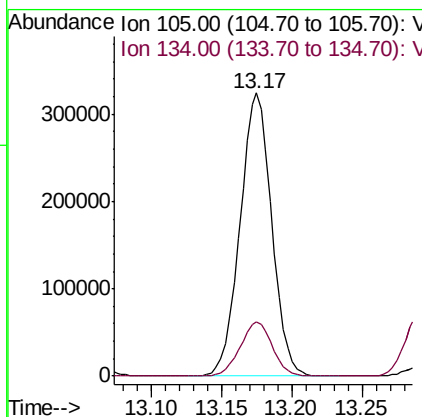
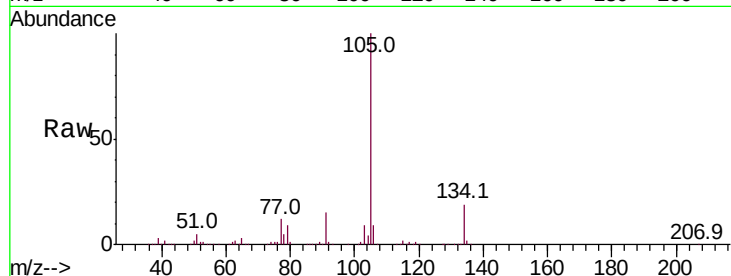
#85
 sec-Butylbenzene
 Concen: 21.256 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	508784		
134	19.5		9.3	27.9

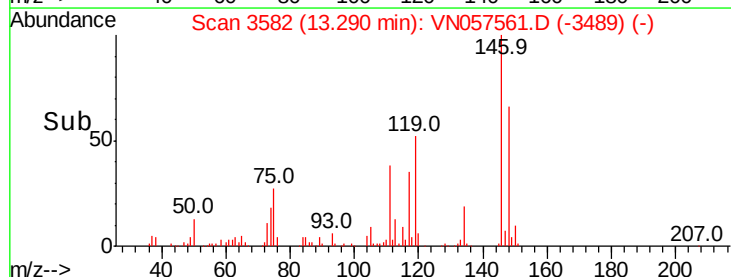
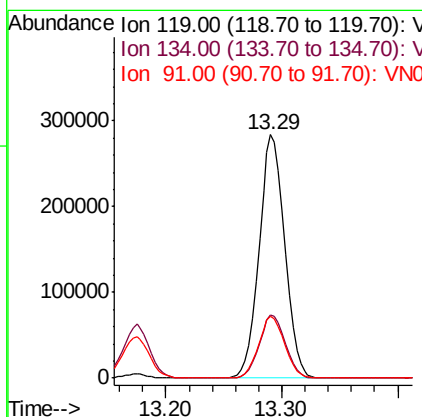
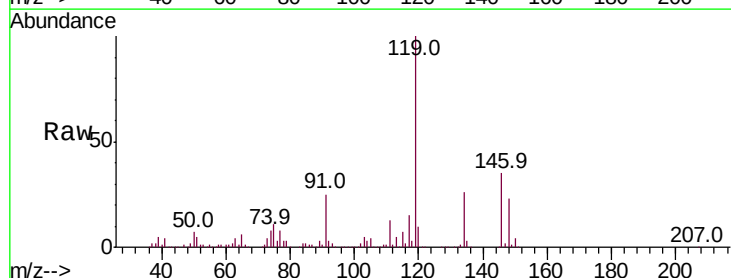
Manual Integrations
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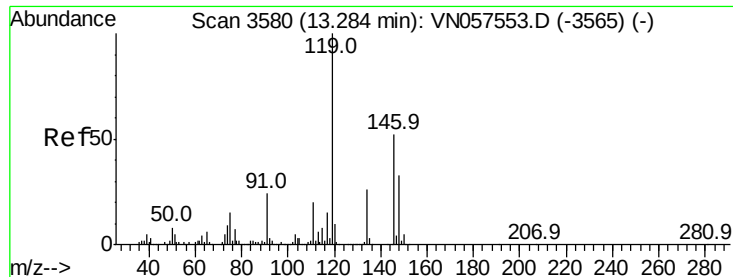
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.224 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	436649		
134	26.3		12.7	38.1
91	25.8		13.9	41.6





#87

1,3-Dichlorobenzene

Concen: 20.211 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

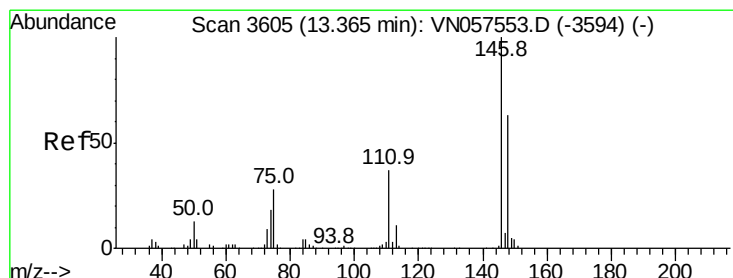
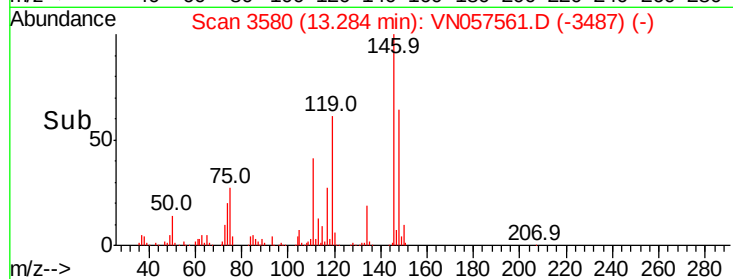
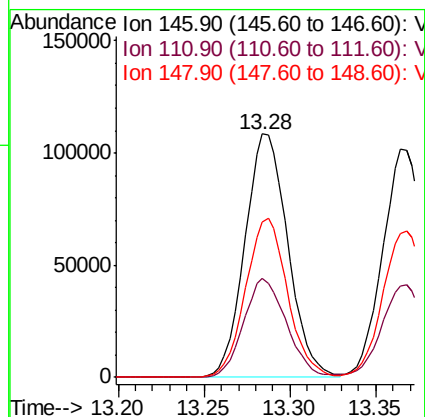
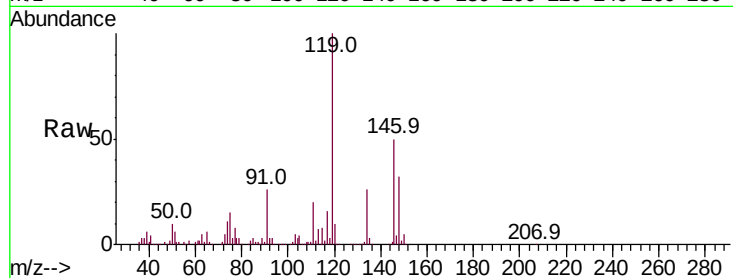
ClientSampled :

VN0829WBSD01

Tot Ion:	146	Resp:	188303
Ion Ratio	Lower	Upper	
146	100		
111	40.5	22.1	66.1
148	63.7	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.058 ug/l

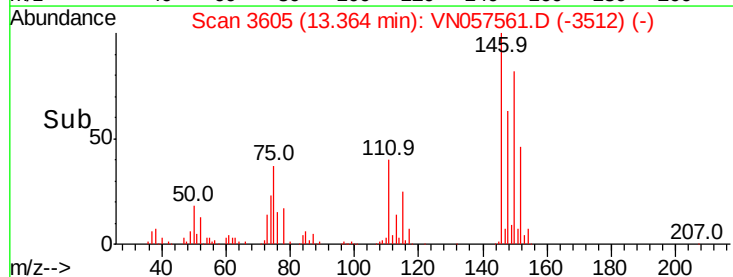
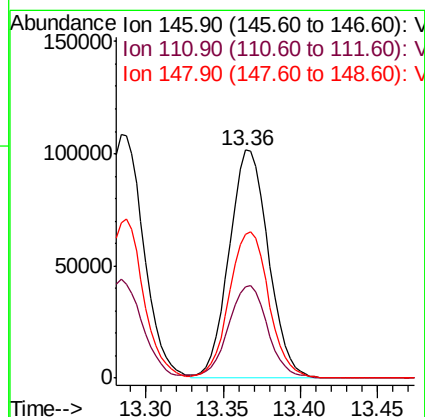
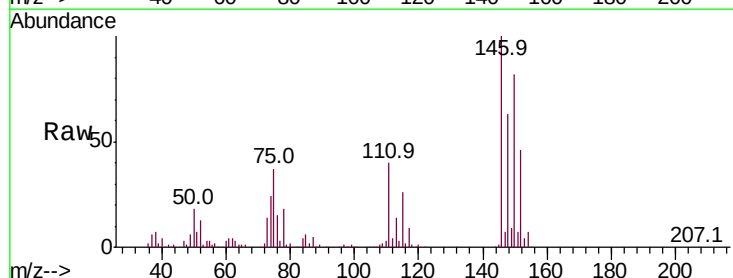
RT: 13.36 min Scan# 3605

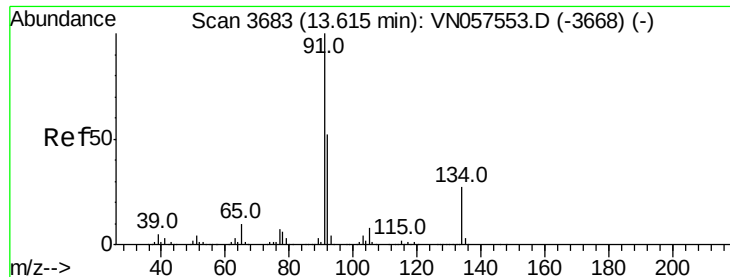
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	146	Resp:	179202
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.9	65.5
148	64.9	31.1	93.2





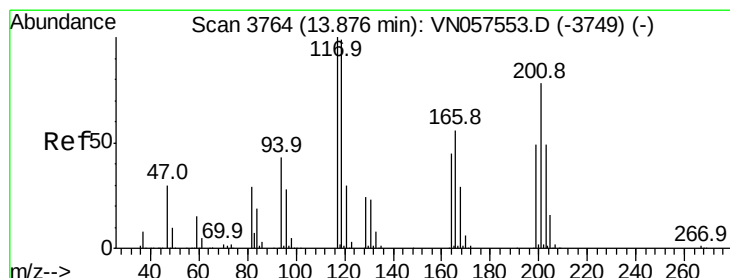
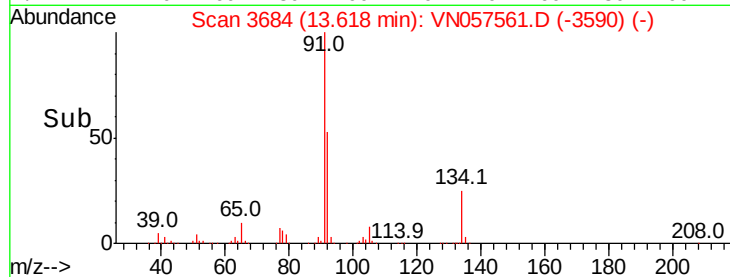
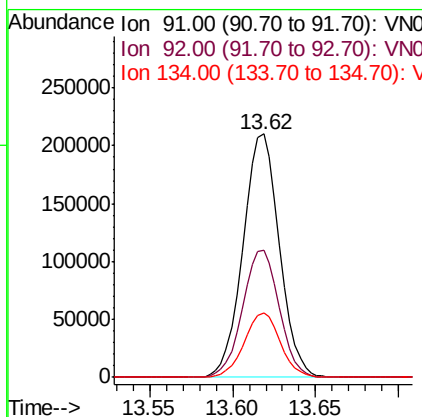
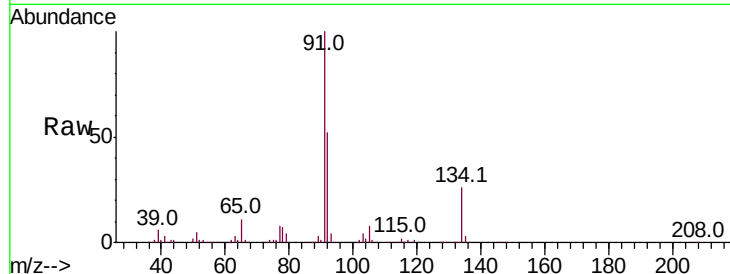
#89
n-Butylbenzene
Concen: 20.576 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.7	77.0
134	26.3	11.4	34.1

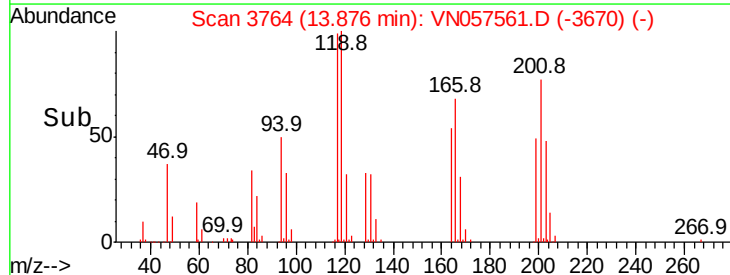
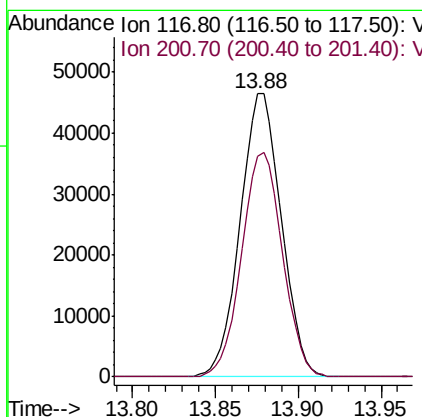
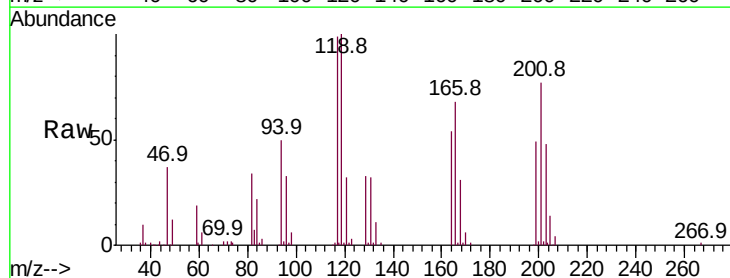
Manual Integrations
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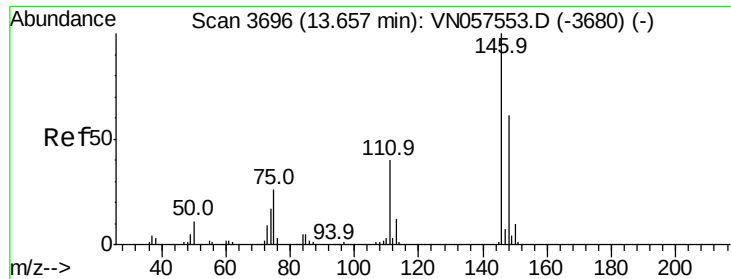
MMDadoda
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#90
Hexachloroethane
Concen: 18.514 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	33.1	99.3





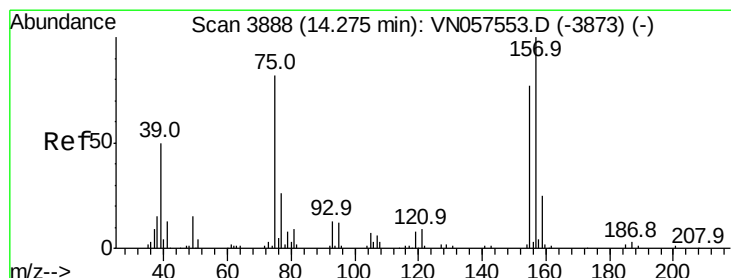
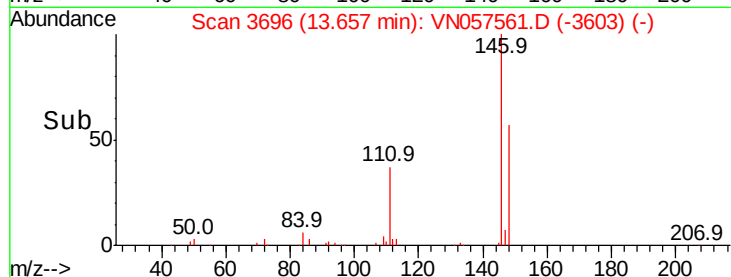
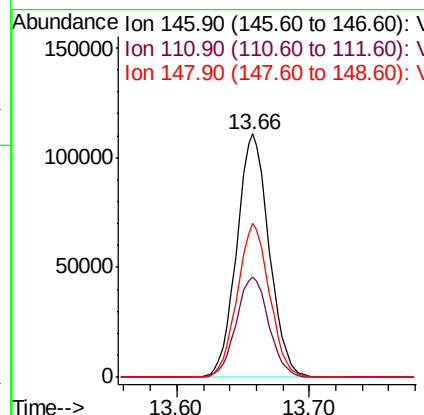
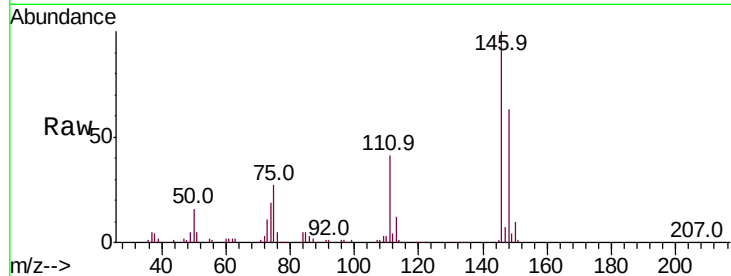
#91
 1,2-Dichlorobenzene
 Concen: 21.572 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	23.1	69.2	
148	62.9	31.8	95.4	

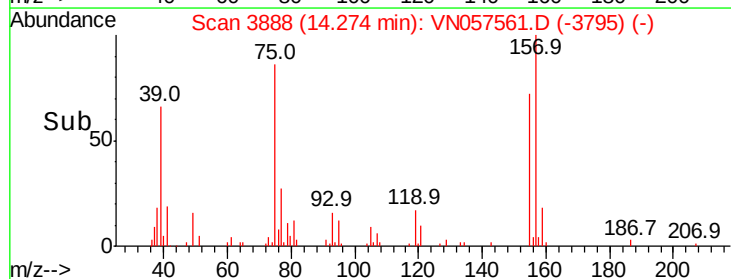
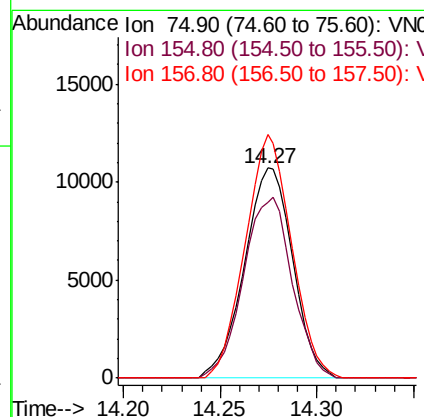
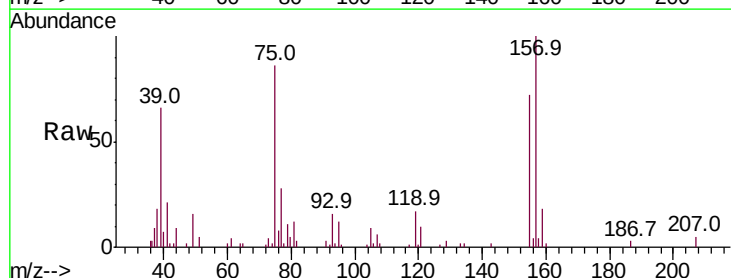
Manual Integrations
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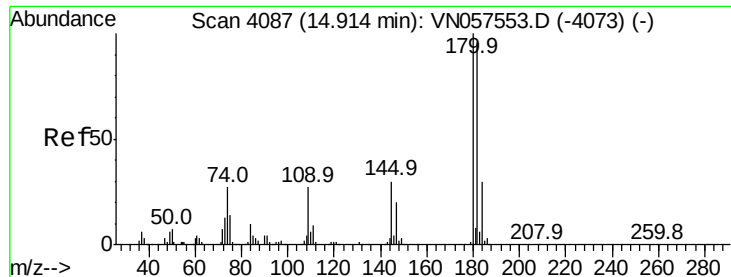
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.068 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	87.1	31.6	94.7	
157	111.1	43.3	129.8	





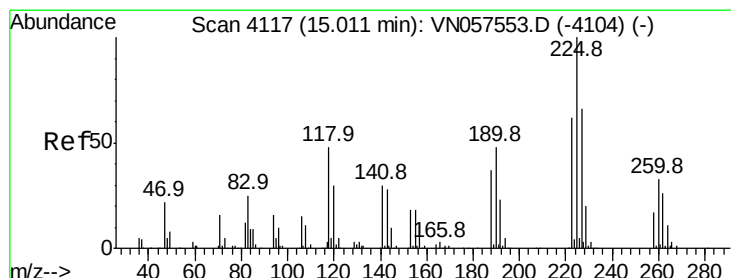
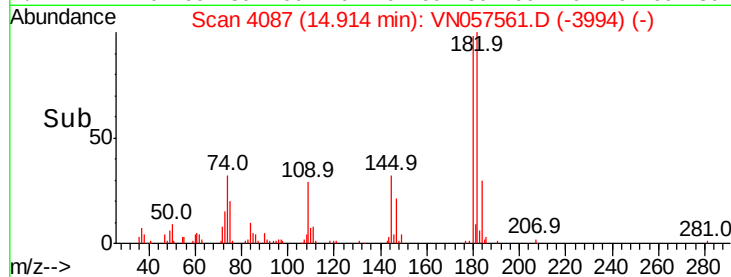
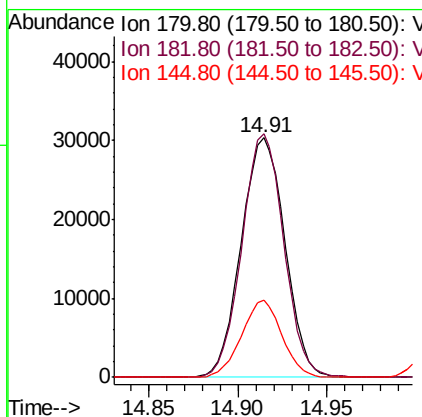
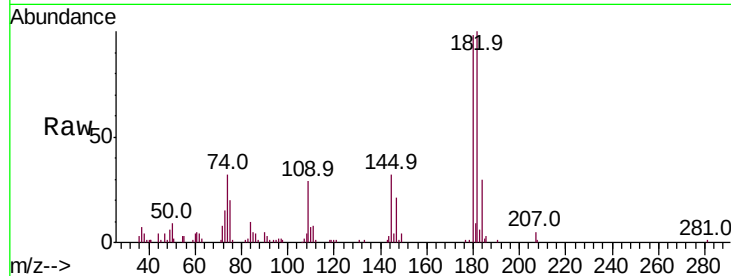
#93
 1,2,4-Trichlorobenzene
 Concen: 17.075 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	46.7	140.1	
145	29.8	15.6	46.8	

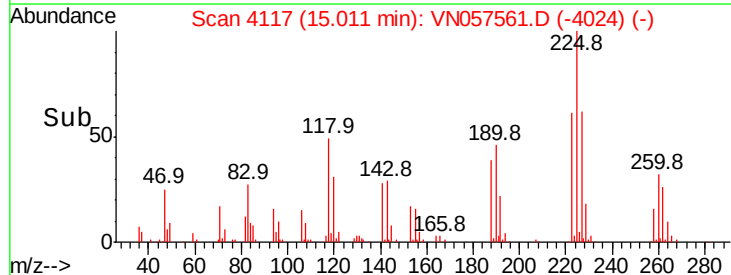
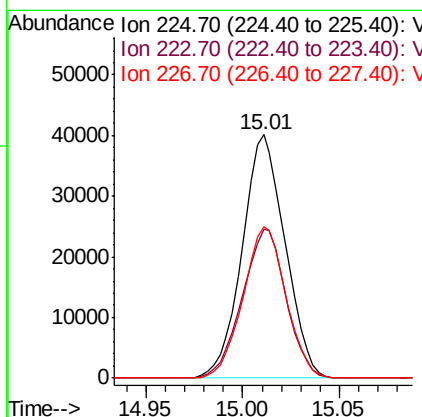
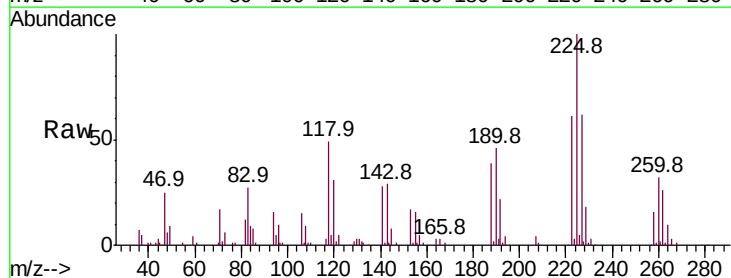
Manual Integrations
 APPROVED

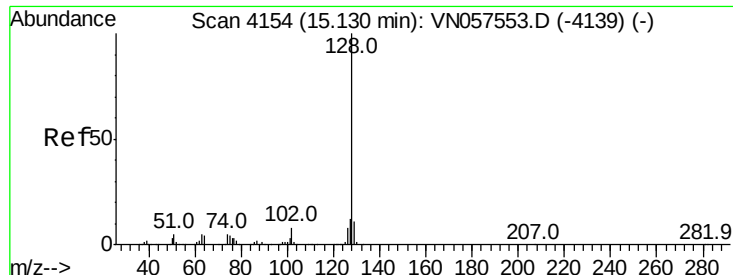
MMDadoda
 9/5/2019 11:35:13 AM



#94
 Hexachlorobutadiene
 Concen: 21.586 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	32.0	96.2	
227	61.8	31.5	94.5	





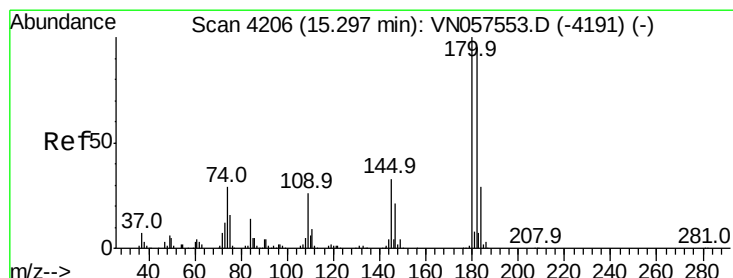
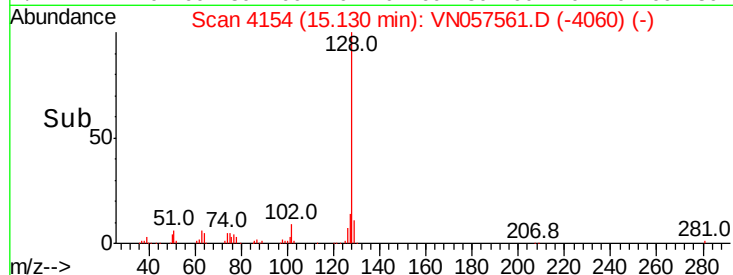
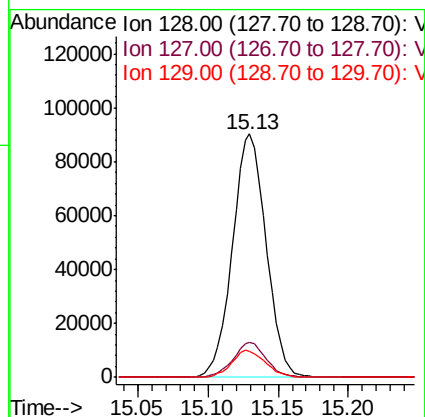
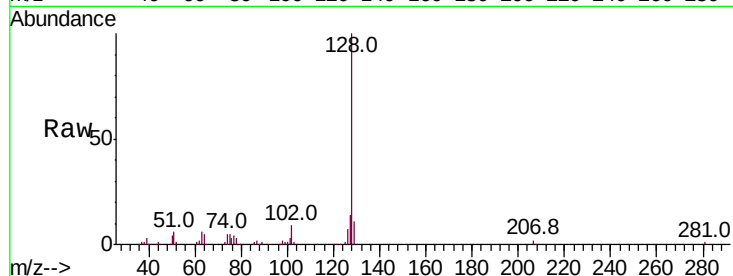
#95
Naphthalene
Concen: 17.503 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	14.0	10.5	15.7	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
9/5/2019 11:35:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.042 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	46.7	140.1	
145	33.3	16.8	50.3	

