

Data File : VN057178.D
Acq On : 11 Aug 2019 11:25
Operator : JC/SP
Sample : VN0811WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM

Quant Time: Aug 12 06:26:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1235137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1785007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1567131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	573697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	639048	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	6.99	113	584091	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	9.56	98	2210455	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.92	95	695407	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	175997	17.729	ug/l	100
3) Chloromethane	2.00	50	215775	16.359	ug/l	96
4) Vinyl Chloride	2.11	62	222609	18.157	ug/l	100
5) Bromomethane	2.43	94	160596	19.278	ug/l	99
6) Chloroethane	2.55	64	148893	18.934	ug/l	98
7) Trichlorofluoromethane	2.83	101	334914	19.004	ug/l	99
8) Diethyl Ether	3.14	74	129362	18.999	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.44	101	205719	19.256	ug/l	100
10) Methyl Iodide	3.63	142	307612	19.054	ug/l	100
11) Tert butyl alcohol	4.24	59	171794	95.039	ug/l #	88
12) 1,1-Dichloroethene	3.43	96	200667	19.093	ug/l	97
13) Acrolein	3.31	56	72086	63.038	ug/l	99
14) Allyl chloride	3.91	41	288029	18.858	ug/l	98
15) Acrylonitrile	4.45	53	484146	98.963	ug/l	99
16) Acetone	3.48	43	442209	115.274	ug/l	100
17) Carbon Disulfide	3.72	76	508606	18.191	ug/l	98
18) Methyl Acetate	3.89	43	229869	19.714	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	626298	19.739	ug/l	97
20) Methylene Chloride	4.10	84	239117	18.887	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	217266	18.977	ug/l	98
22) Diisopropyl ether	5.32	45	647884	19.447	ug/l	99
23) Vinyl Acetate	5.26	43	2519987	98.779	ug/l	100
24) 1,1-Dichloroethane	5.25	63	390551	19.070	ug/l	98
25) 2-Butanone	6.20	43	615802	105.067	ug/l	98
26) 2,2-Dichloropropane	6.21	77	320355	21.501	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	256575	19.562	ug/l	99
28) Bromochloromethane	6.59	49	192365	20.421	ug/l	97
29) Tetrahydrofuran	6.60	42	391599	99.183	ug/l	100
30) Chloroform	6.76	83	406956	19.199	ug/l	95
31) Cyclohexane	7.07	56	340813	18.497	ug/l	95
32) 1,1,1-Trichloroethane	6.98	97	347076	19.519	ug/l	98
36) 1,1-Dichloropropene	7.20	75	301529	20.516	ug/l	99
37) Ethyl Acetate	6.28	43	243619	20.101	ug/l #	99
38) Carbon Tetrachloride	7.19	117	300590	19.625	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	348671	19.509	ug/l	96
40) Benzene	7.46	78	907146	19.497	ug/l	98
41) Methacrylonitrile	6.55	41	129846	21.099	ug/l	98
42) 1,2-Dichloroethane	7.54	62	285592	19.247	ug/l	97
43) Isopropyl Acetate	7.56	43	409185	19.791	ug/l	100
44) Trichloroethene	8.27	130	256694	19.693	ug/l	98
45) 1,2-Dichloropropane	8.56	63	240752	19.985	ug/l	99
46) Dibromomethane	8.65	93	155359	20.113	ug/l	98
47) Bromodichloromethane	8.85	83	305976	20.472	ug/l	99
48) Methyl methacrylate	8.63	41	186739	19.154	ug/l	97
49) 1,4-Dioxane	8.64	88	81494	410.427	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	1215352	101.004	ug/l	99
52) Toluene	9.63	92	572659	19.829	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	323229	20.701	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	365818	20.418	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	225810	19.883	ug/l	99
56) Ethyl methacrylate	9.90	69	319178	20.073	ug/l	99
57) 1,3-Dichloropropane	10.19	76	374998	20.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	371919	68.696	ug/l	98
59) 2-Hexanone	10.24	43	844180	103.661	ug/l	100
60) Dibromochloromethane	10.39	129	250409	20.995	ug/l	99
61) 1,2-Dibromoethane	10.50	107	237170	20.238	ug/l	100
64) Tetrachloroethene	10.11	164	267114	20.495	ug/l	98
65) Chlorobenzene	10.93	112	622231	19.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	243708	20.673	ug/l	99
67) Ethyl Benzene	11.01	91	1070922	19.733	ug/l	99
68) m/p-Xylenes	11.12	106	801454	40.086	ug/l	100
69) o-Xylene	11.46	106	396450	19.924	ug/l	99
70) Styrene	11.47	104	625257	20.118	ug/l	100
71) Bromoform	11.64	173	180668	20.922	ug/l #	99
73) Isopropylbenzene	11.77	105	1054372	21.036	ug/l	100
74) N-amyl acetate	11.58	43	284385	19.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	302359	21.788	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	263518m	21.865	ug/l	
77) Bromobenzene	12.04	156	272168	19.737	ug/l	98
78) n-propylbenzene	12.11	91	1074933	19.531	ug/l	99
79) 2-Chlorotoluene	12.19	91	676787	20.940	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	886190	20.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	84303	21.606	ug/l	99
82) 4-Chlorotoluene	12.30	91	627512	19.691	ug/l	98
83) tert-Butylbenzene	12.52	119	791596	21.481	ug/l	97
84) 1,2,4-Trimethylbenzene	12.57	105	826177	19.298	ug/l	100
85) sec-Butylbenzene	12.70	105	953401	19.074	ug/l	98
86) p-Isopropyltoluene	12.82	119	837167	19.088	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	391852	19.960	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	356929	19.189	ug/l	97
89) n-Butylbenzene	13.15	91	599287	19.777	ug/l	99
90) Hexachloroethane	13.41	117	153806	21.513	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	385913	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	36433	18.066	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	105794	17.145	ug/l	99
94) Hexachlorobutadiene	14.55	225	166420	22.232	ug/l	99
95) Naphthalene	14.67	128	194299	15.330	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	105492	16.585	ug/l	99

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

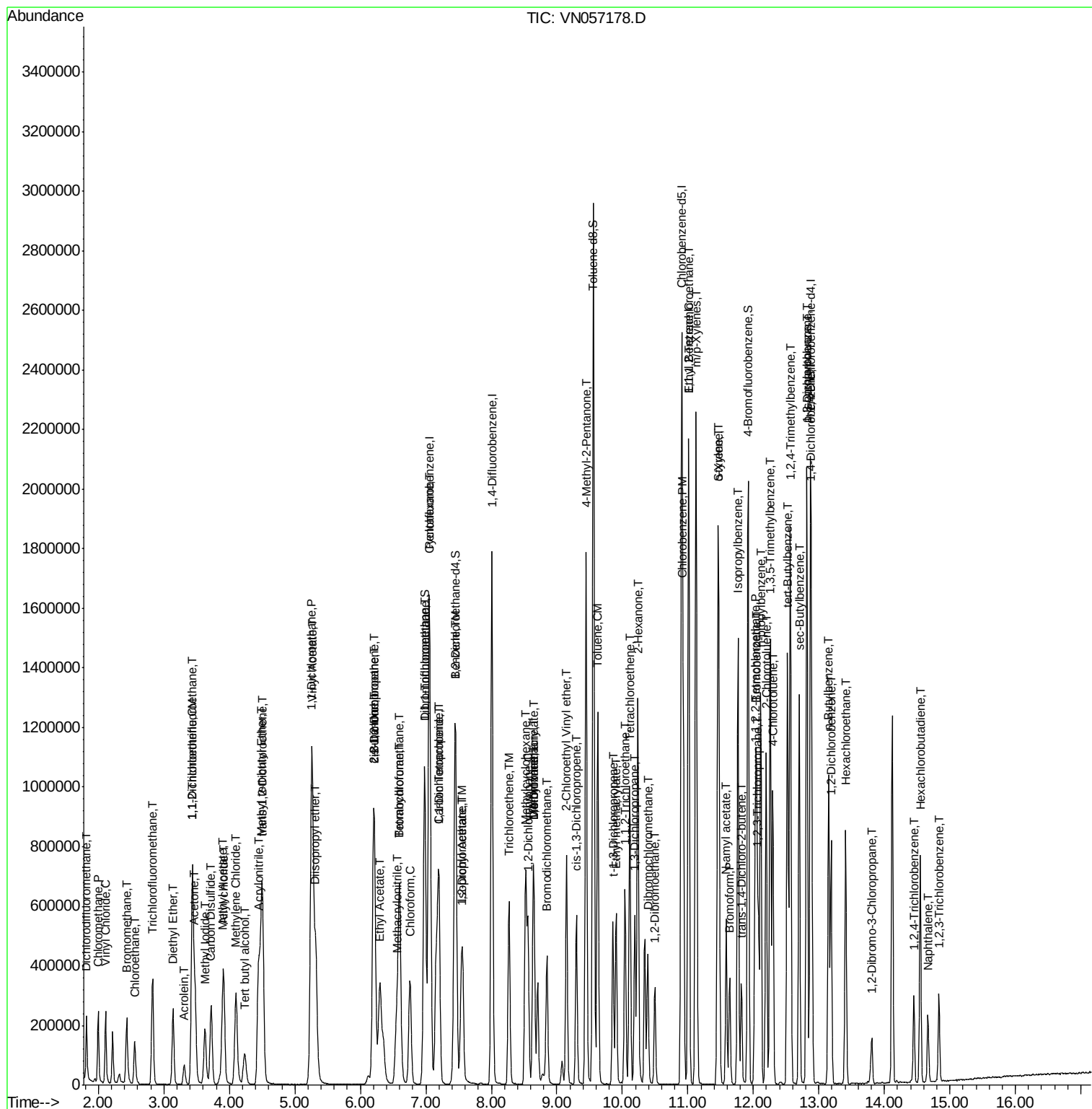
Data File : VN057178.D
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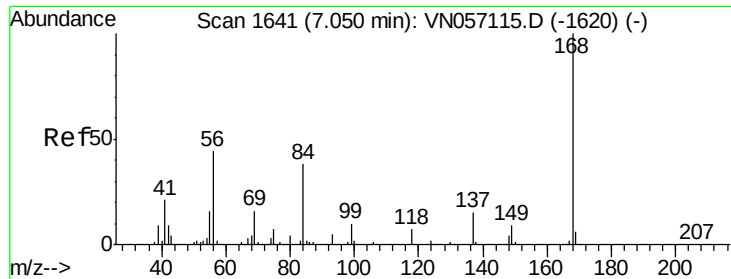
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057178.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion:168 Resp: 1235137

Ion Ratio Lower Upper

168 100

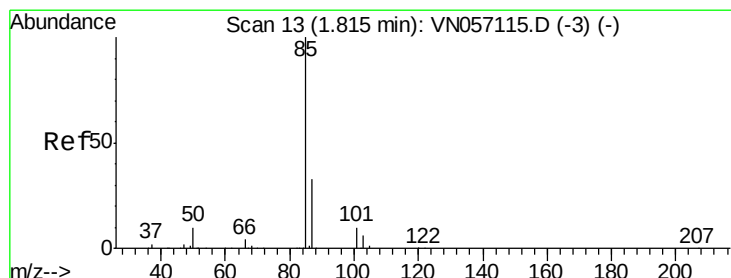
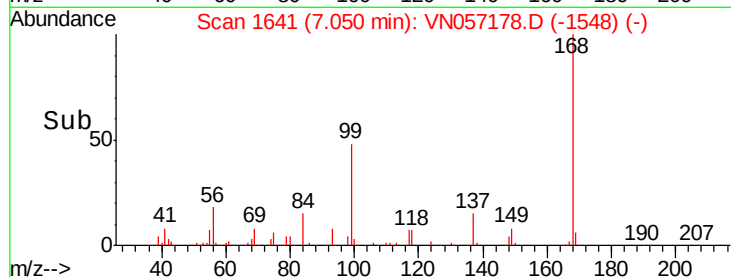
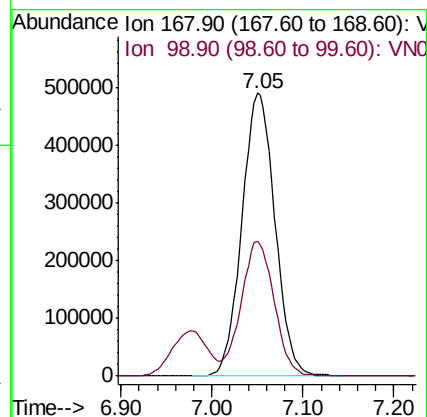
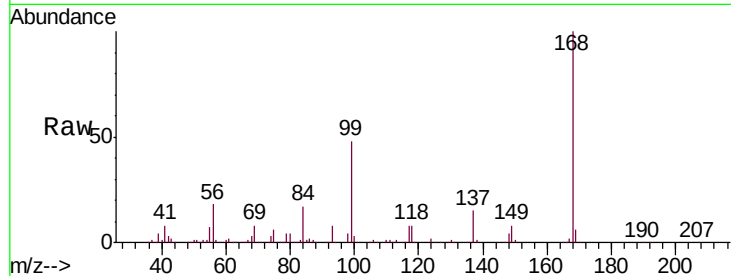
99 47.6 38.6 57.8

Manual Integrations

APPROVED

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8/12/2019 3:41:28 PM



#2

Dichlorodifluoromethane

Concen: 17.729 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057178.D

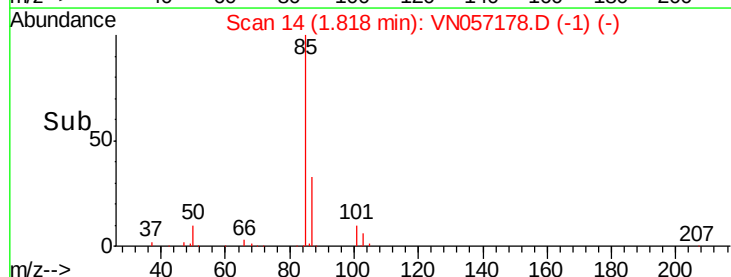
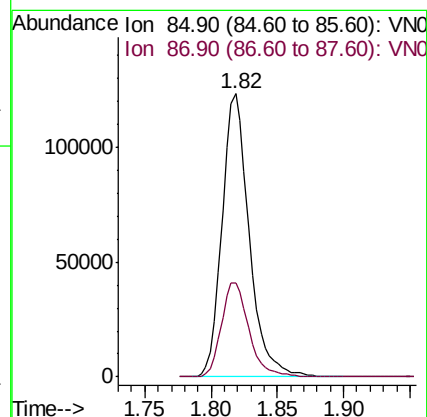
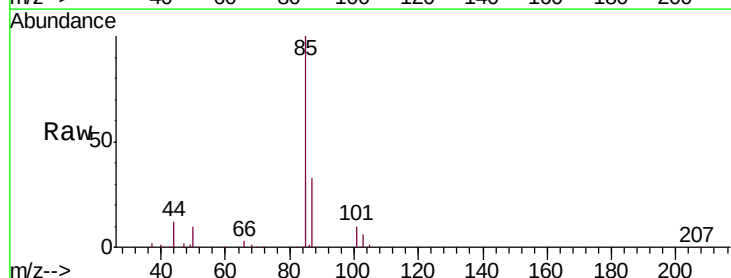
Acq: 11 Aug 2019 11:25

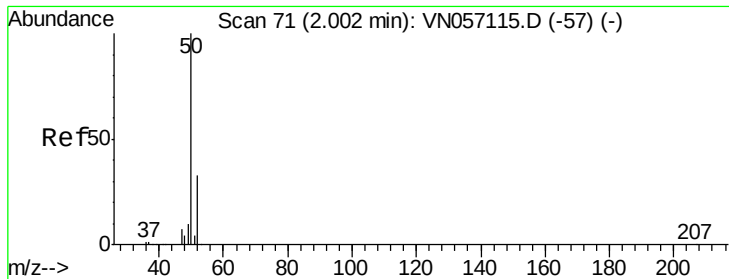
Tgt Ion: 85 Resp: 175997

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0





#3

Chloromethane

Concen: 16.359 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion: 50 Resp: 215775

Ion Ratio Lower Upper

50 100

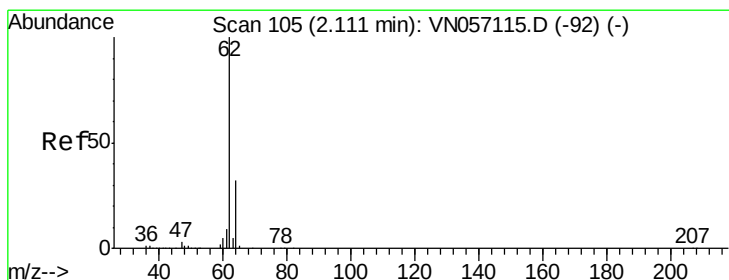
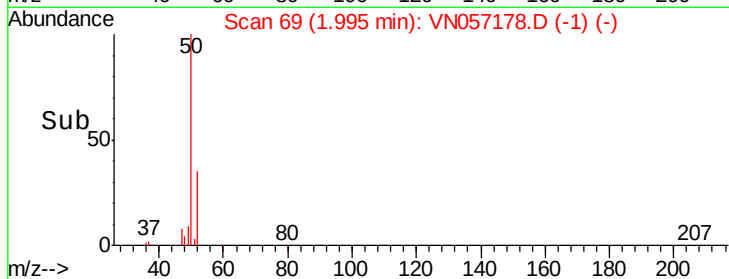
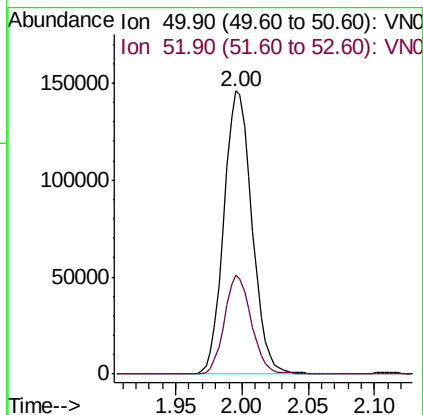
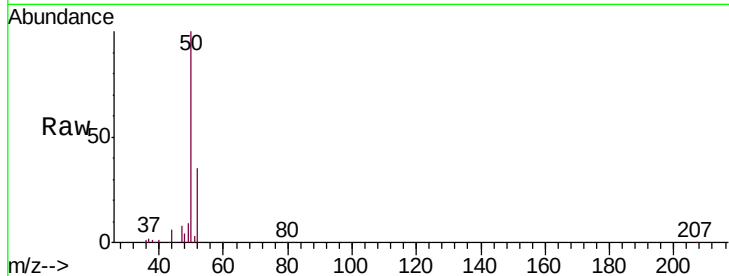
52 34.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.157 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057178.D

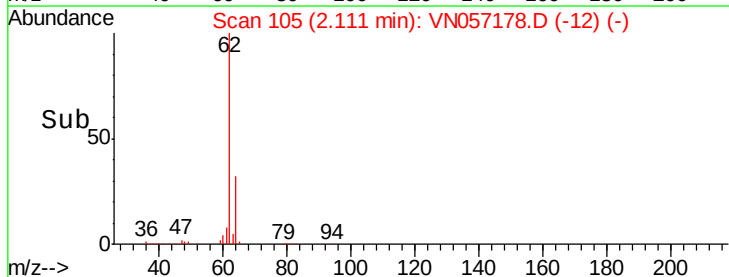
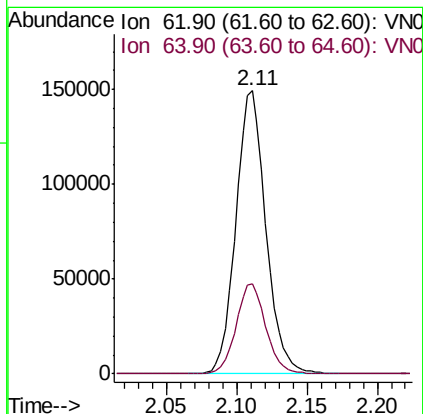
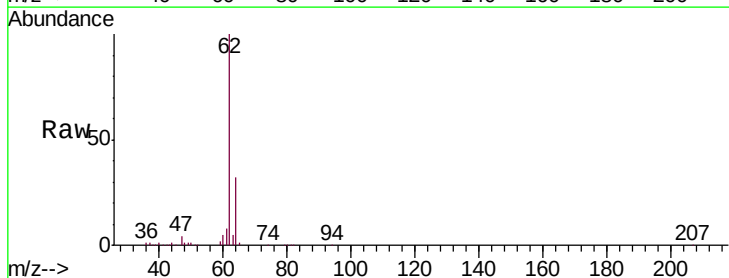
Acq: 11 Aug 2019 11:25

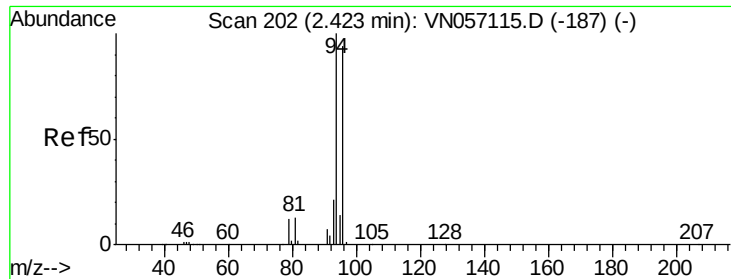
Tgt Ion: 62 Resp: 222609

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 19.278 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 160596

Ion Ratio Lower Upper

94 100

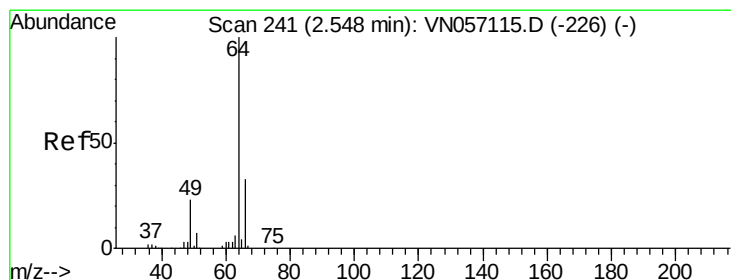
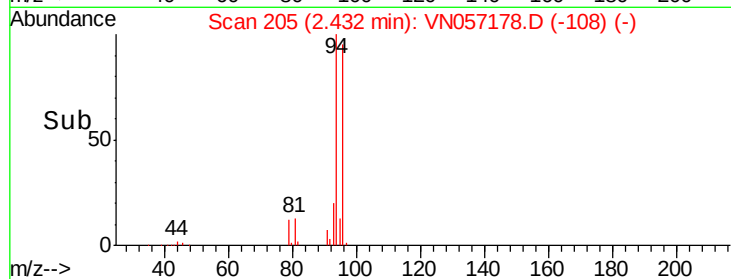
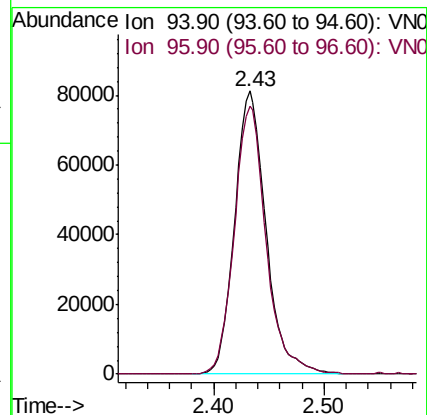
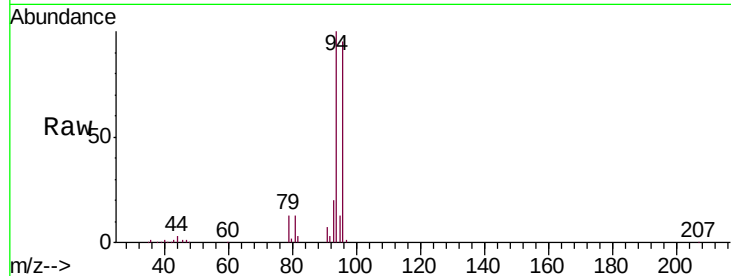
96 94.6 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 18.934 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057178.D

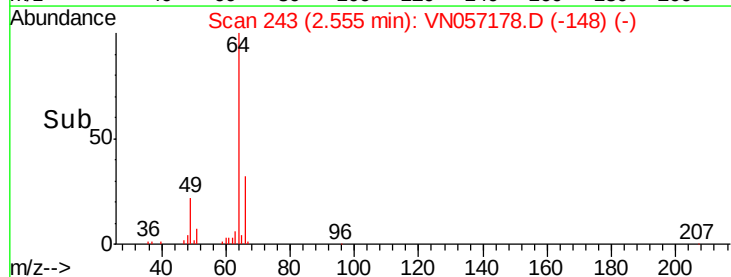
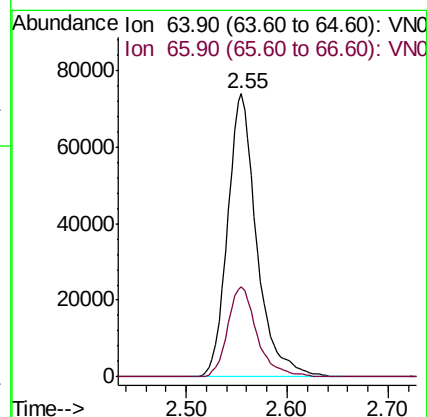
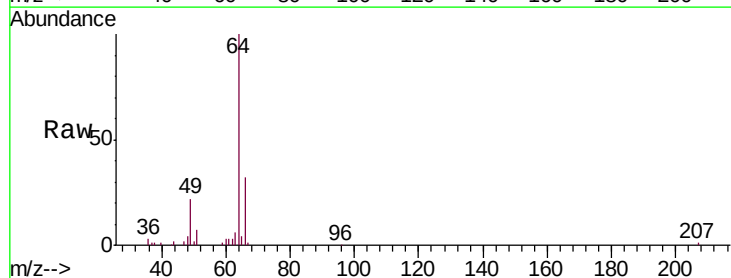
Acq: 11 Aug 2019 11:25

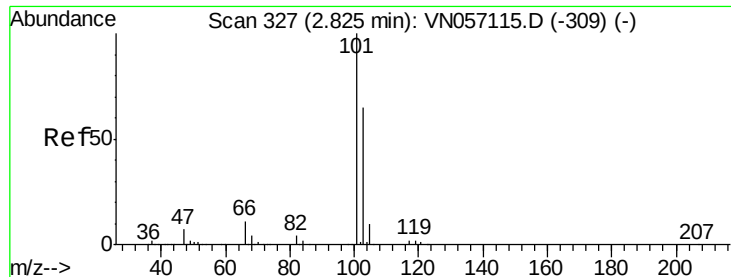
Tgt Ion: 64 Resp: 148893

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4





#7

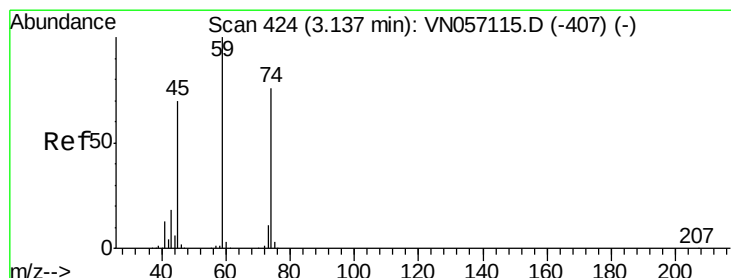
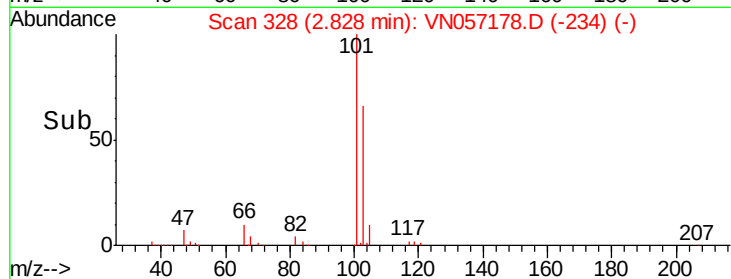
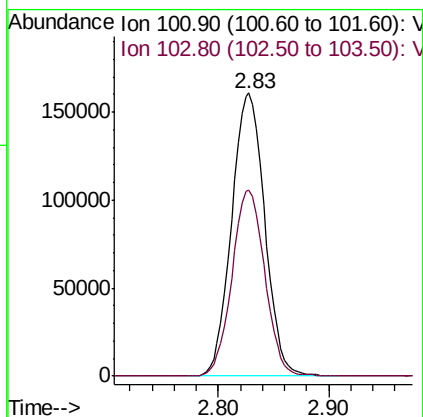
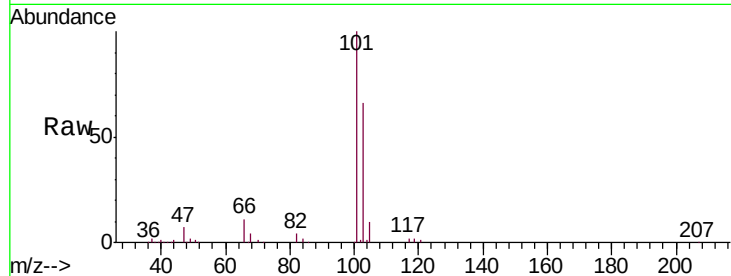
Trichlorofluoromethane
Concen: 19.004 ug/l
RT: 2.83 min Scan# 328
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
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ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	334914		
103	65.9	52.2	78.4	

Manual Integrations
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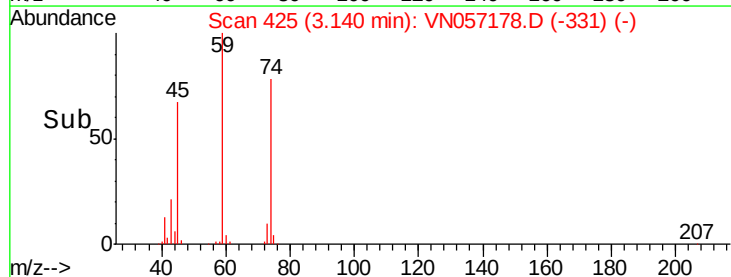
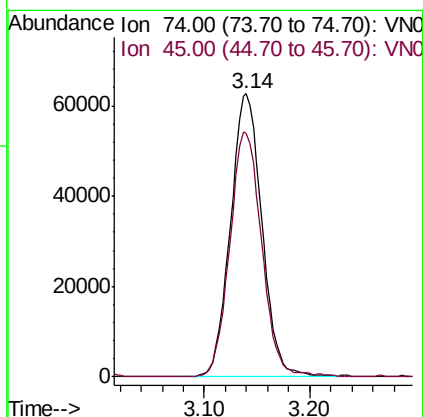
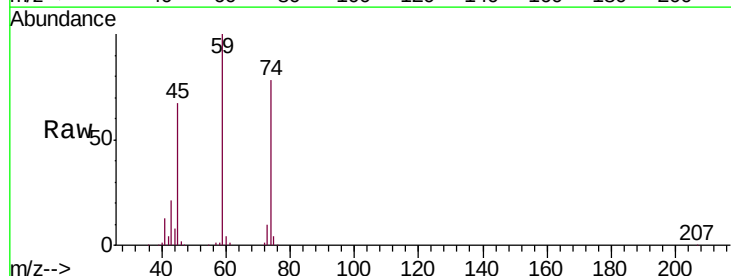
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8/12/2019 3:41:28 PM

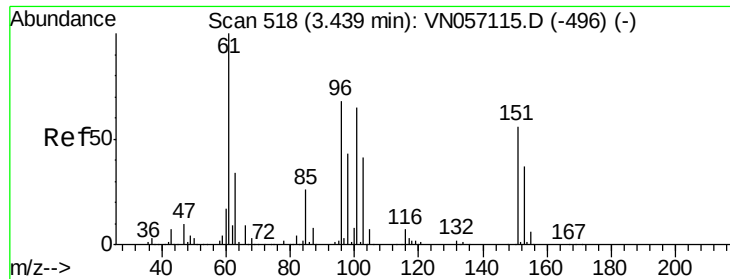


#8

Diethyl Ether
Concen: 18.999 ug/l
RT: 3.14 min Scan# 425
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	129362		
45	88.1	46.3	138.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.256 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

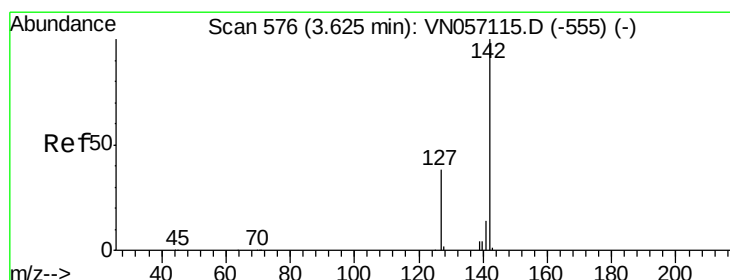
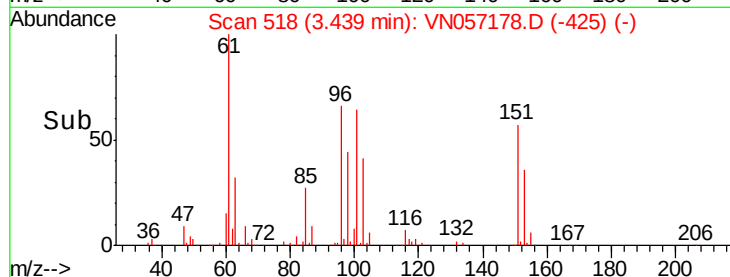
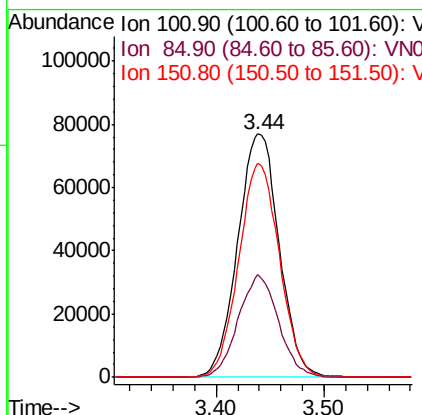
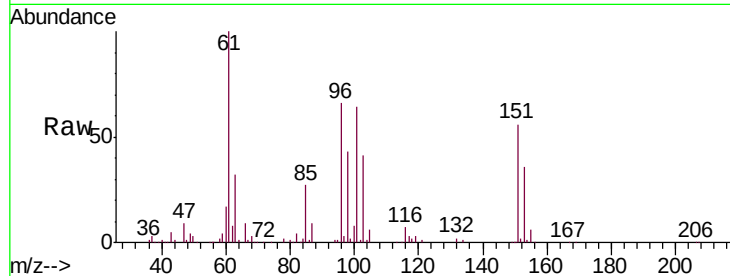
ClientSampleId :

VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	205719		
85	40.9	32.3	48.5	
151	86.6	69.4	104.0	

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM



#10

Methyl Iodide

Concen: 19.054 ug/l

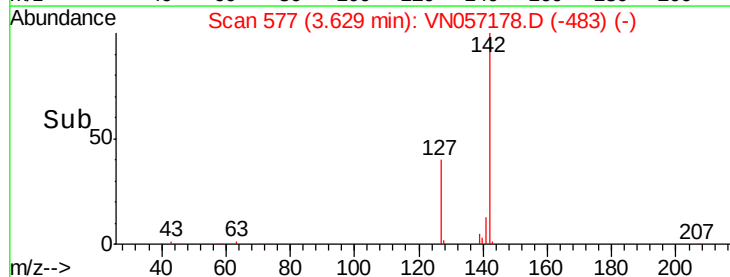
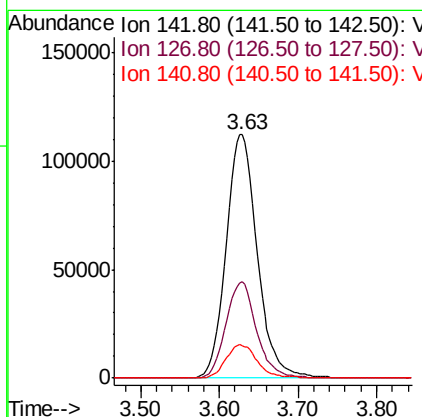
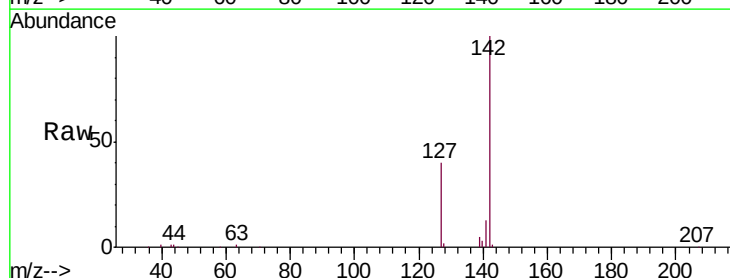
RT: 3.63 min Scan# 577

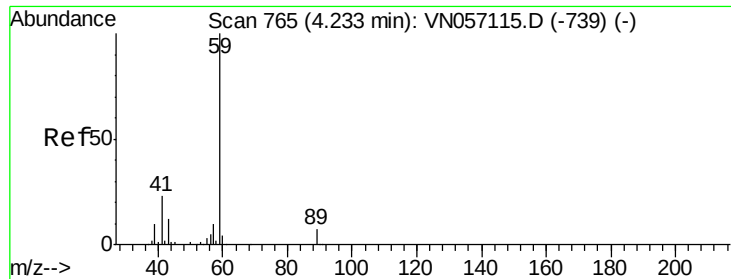
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	307612		
127	39.0	31.0	46.6	
141	13.7	11.2	16.8	





#11

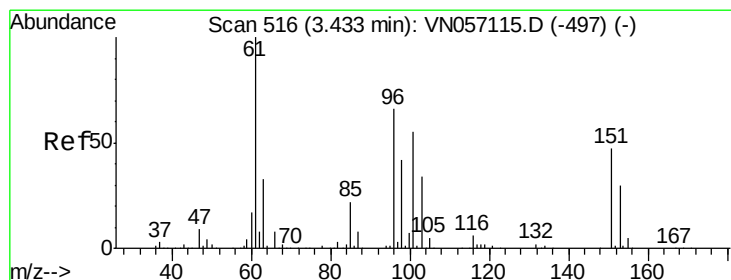
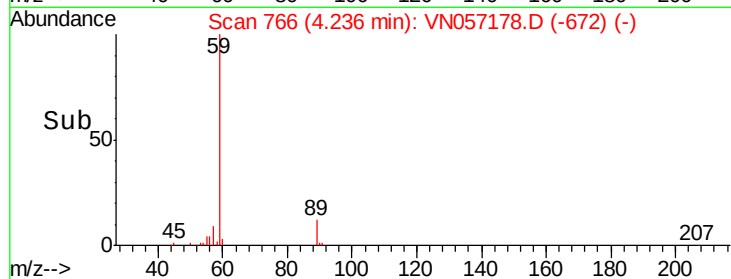
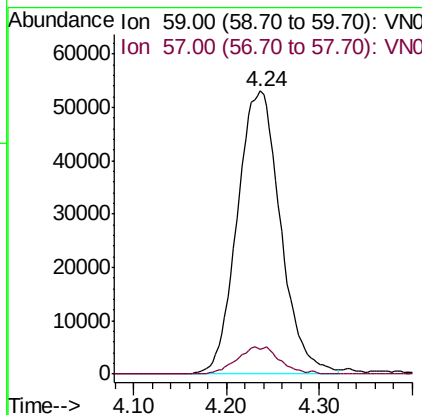
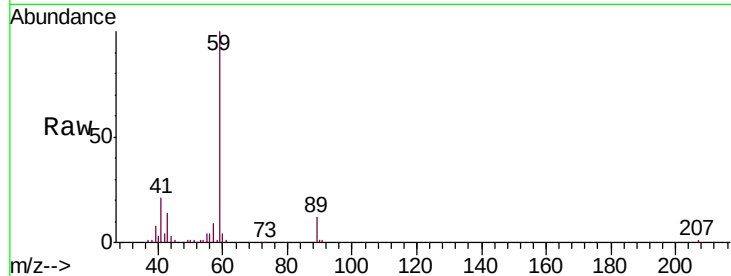
Tert butyl alcohol
Concen: 95.039 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	171794		
57	5.3	7.9	11.9#	

Manual Integrations
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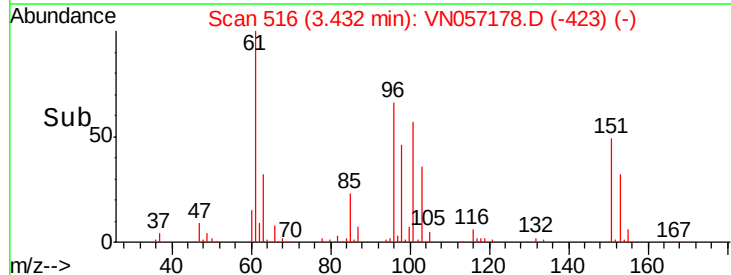
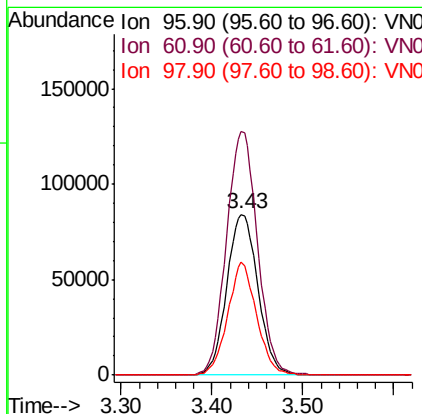
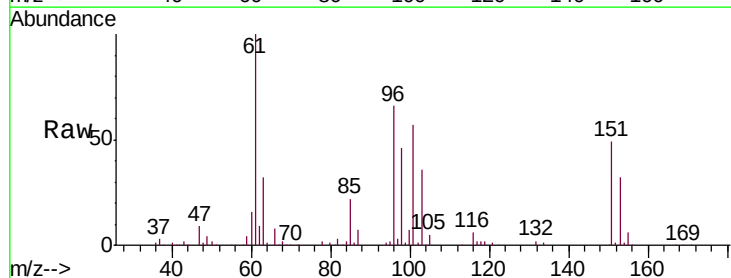
MMDadoda
8/12/2019 3:41:28 PM

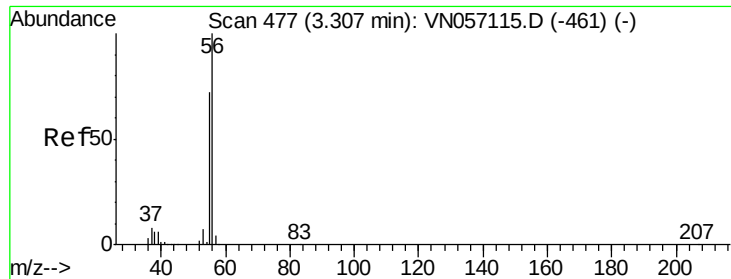


#12

1,1-Dichloroethene
Concen: 19.093 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	200667		
61	151.5	121.0	181.6	
98	70.3	50.8	76.2	





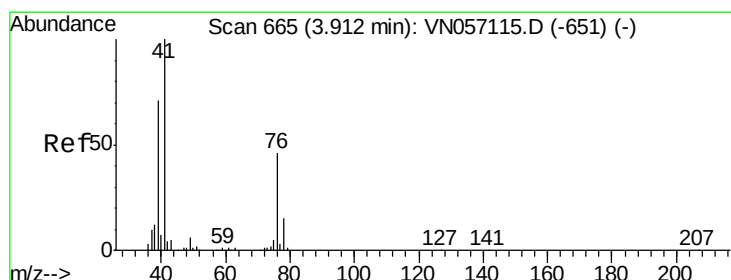
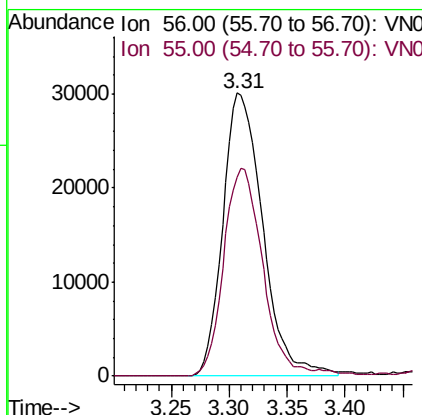
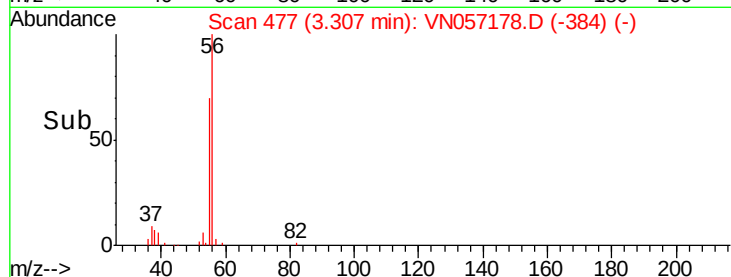
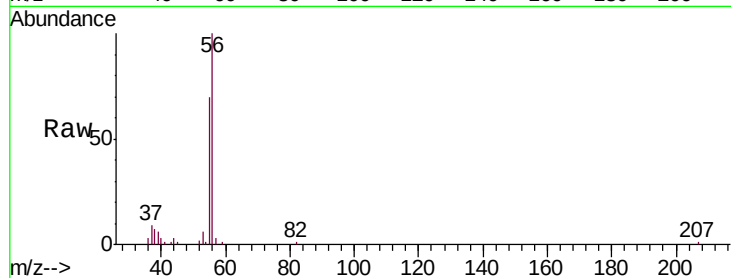
#13
Acrolein
Concen: 63.038 ug/l
RT: 3.31 min Scan# 477
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.7	86.5

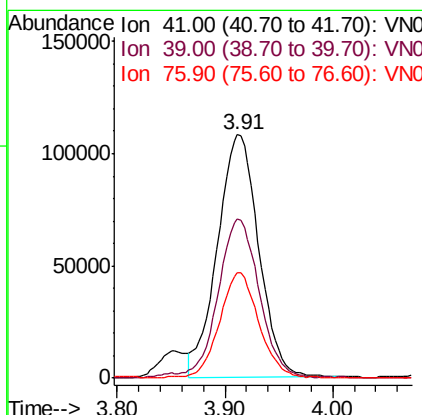
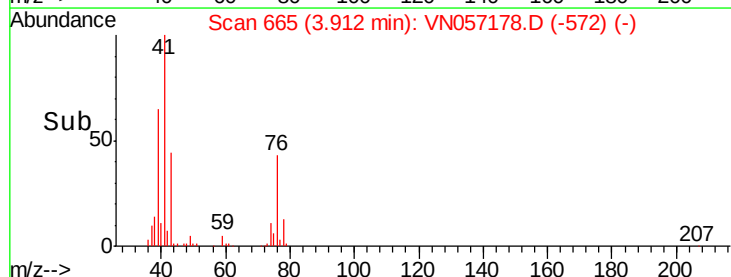
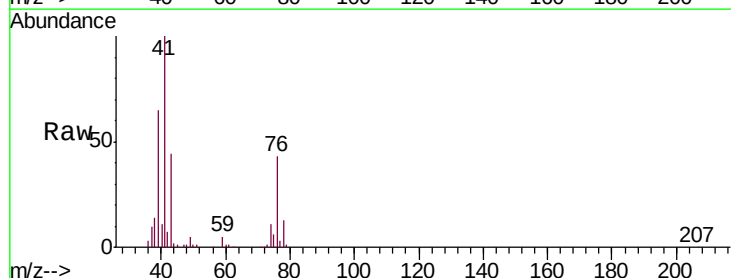
Manual Integrations
APPROVED

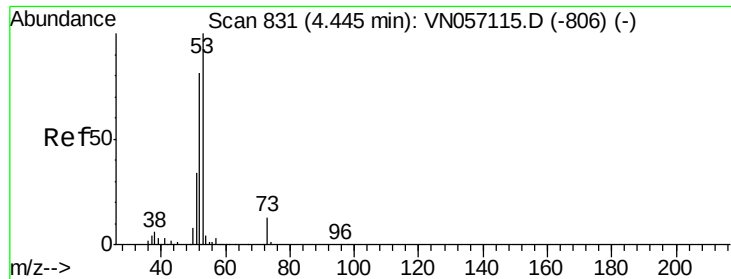
MMDadoda
8/12/2019 3:41:28 PM



#14
Allyl chloride
Concen: 18.858 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.1	76.7
76	40.2	32.8	49.2





#15

Acrylonitrile

Concen: 98.963 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

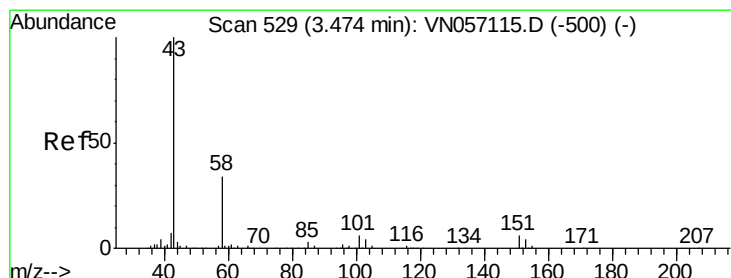
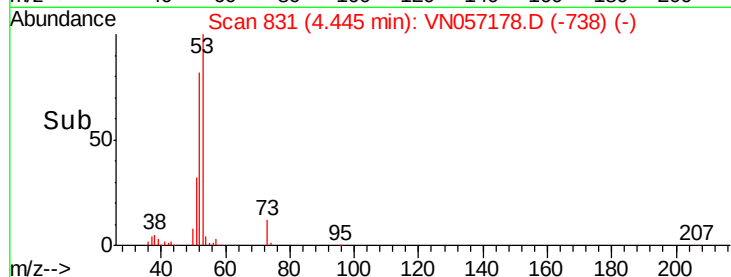
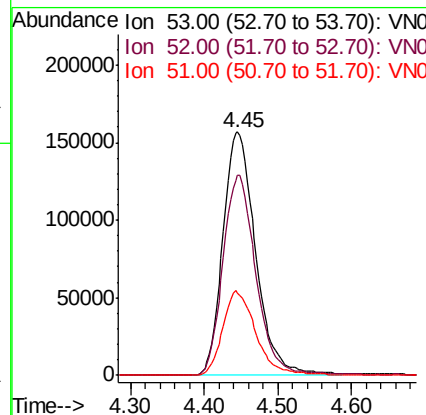
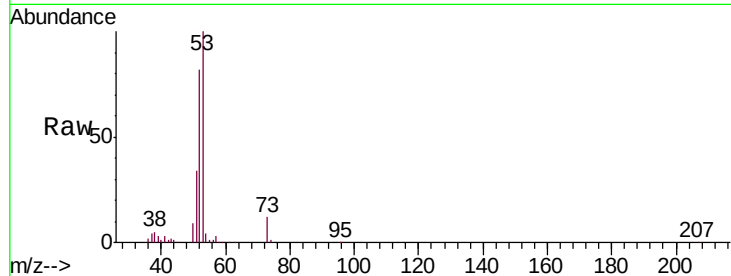
ClientSampleId :

VN0811WBS01

Tgt Ion:	53	Resp:	484146
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.9	97.3
51	35.0	27.8	41.6

Manual Integrations
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MMDadoda
8/12/2019 3:41:28 PM



#16

Acetone

Concen: 115.274 ug/l

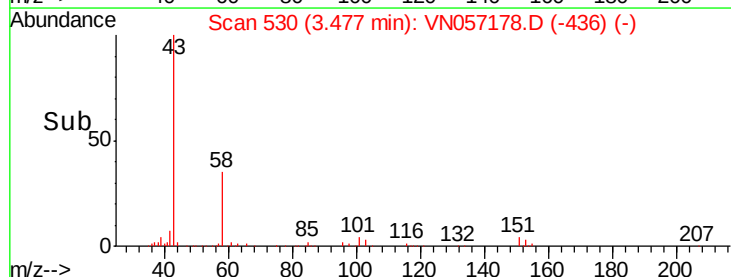
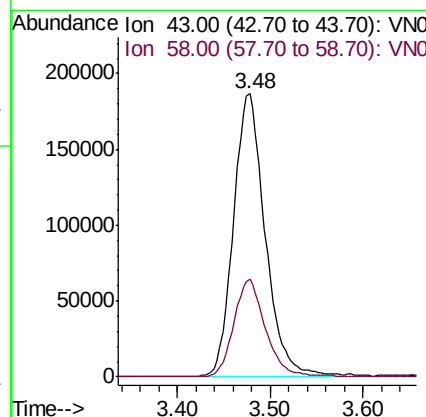
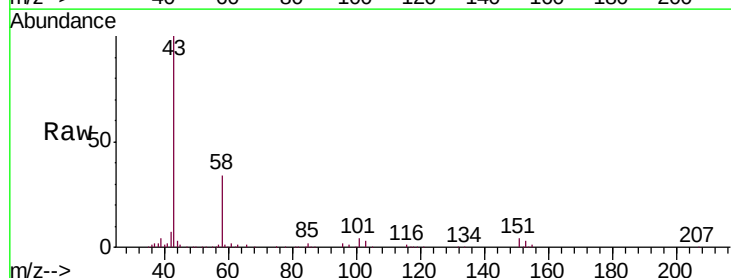
RT: 3.48 min Scan# 530

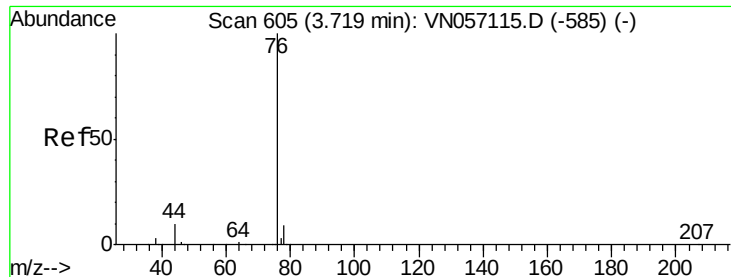
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	43	Resp:	442209
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.4	41.2





#17

Carbon Disulfide

Concen: 18.191 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion: 76 Resp: 508606

Ion Ratio Lower Upper

76 100

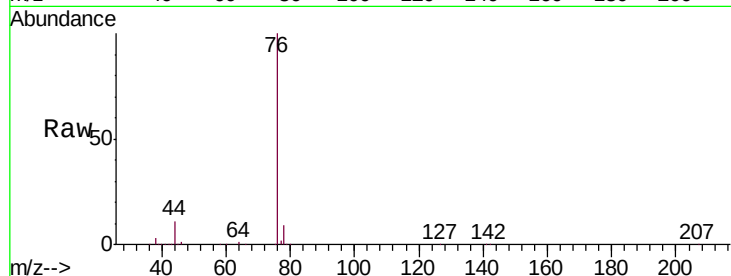
78 9.5 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:41:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VN057178.D (-512) (-)

Ion 77.90 (77.60 to 78.60): VN057178.D (-512) (-)

3.72

200000

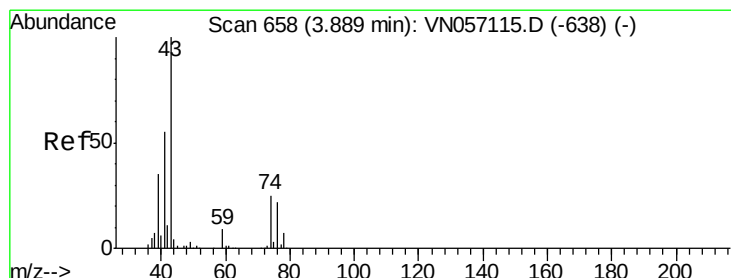
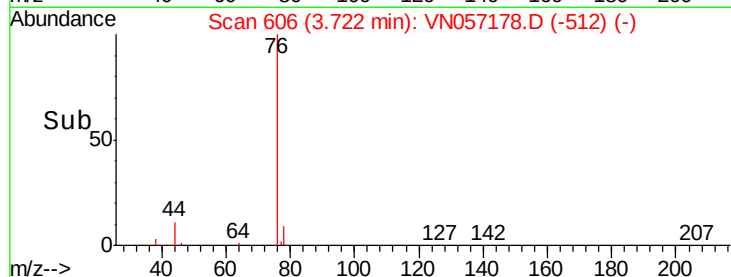
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.714 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057178.D

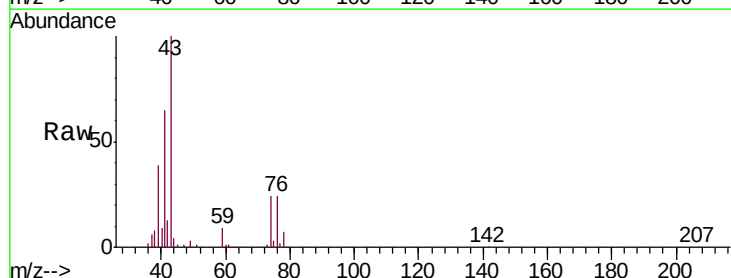
Acq: 11 Aug 2019 11:25

Tgt Ion: 43 Resp: 229869

Ion Ratio Lower Upper

43 100

74 26.1 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057178.D (-565) (-)

Ion 74.00 (73.70 to 74.70): VN057178.D (-565) (-)

3.89

100000

80000

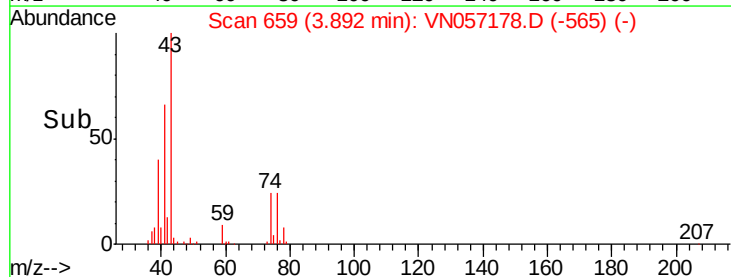
60000

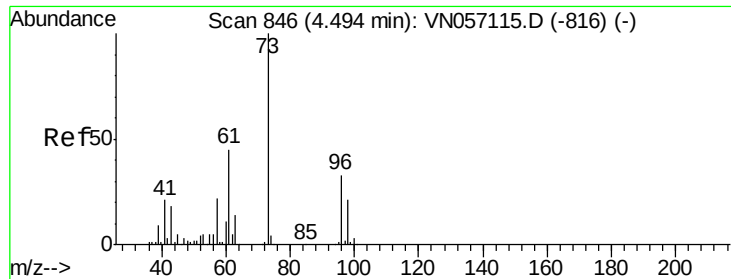
40000

20000

0

Time-->





#19

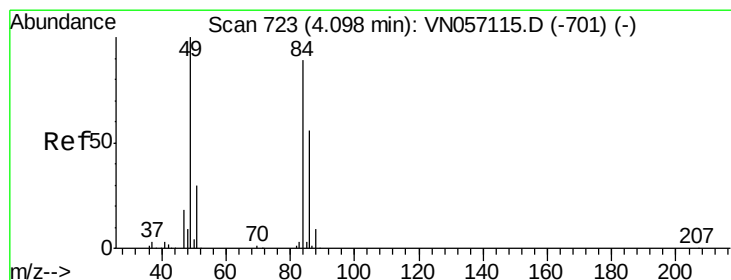
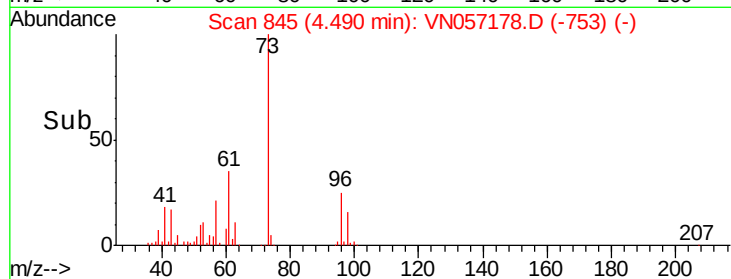
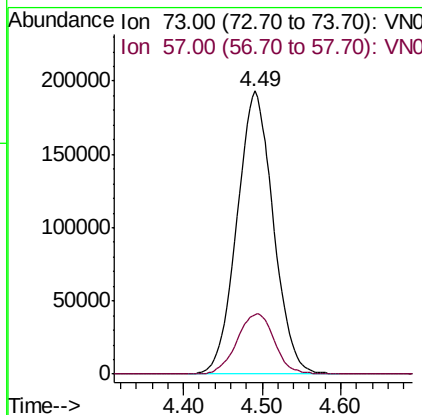
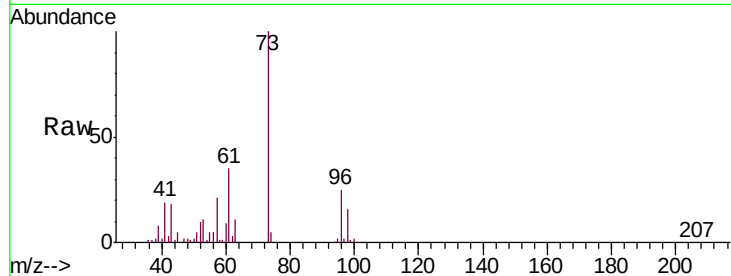
Methyl tert-butyl Ether
 Concen: 19.739 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion: 73 Resp: 626298
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.0 27.0

Manual Integrations
 APPROVED

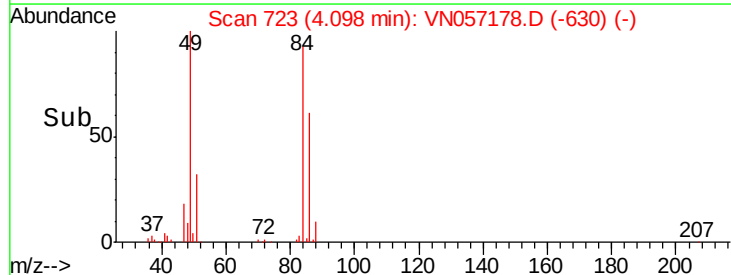
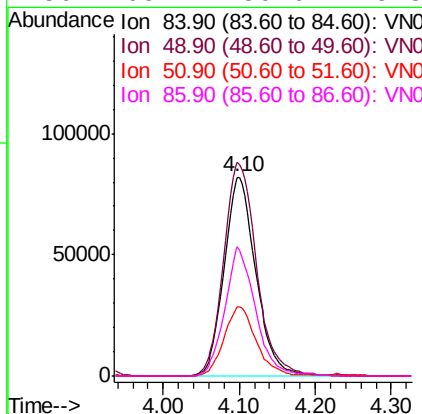
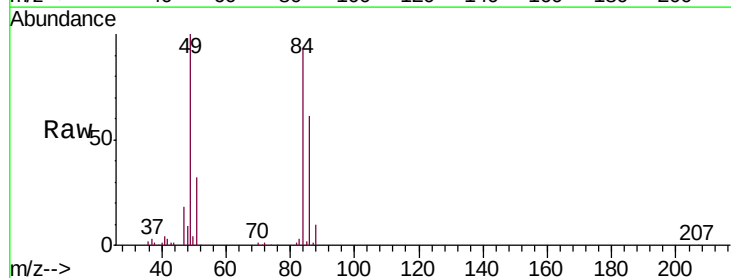
MMDadoda
 8/12/2019 3:41:28 PM

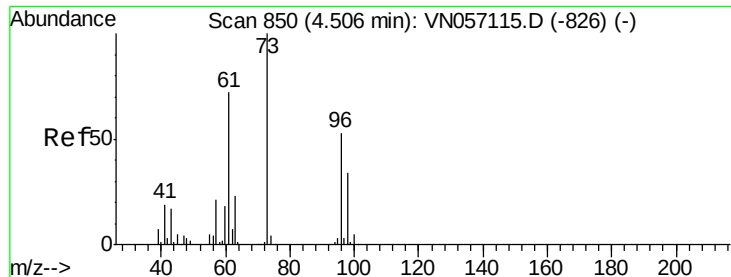


#20

Methylene Chloride
 Concen: 18.887 ug/l
 RT: 4.10 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 84 Resp: 239117
 Ion Ratio Lower Upper
 84 100
 49 107.6 89.5 134.3
 51 34.9 27.2 40.8
 86 65.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.977 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

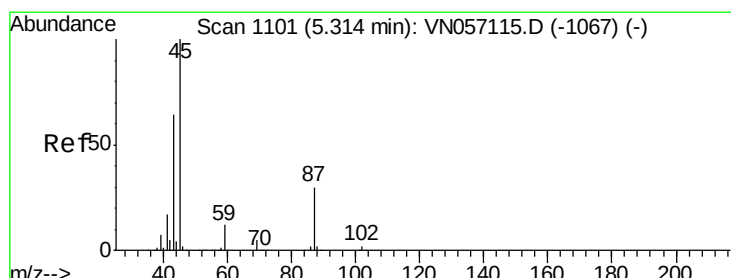
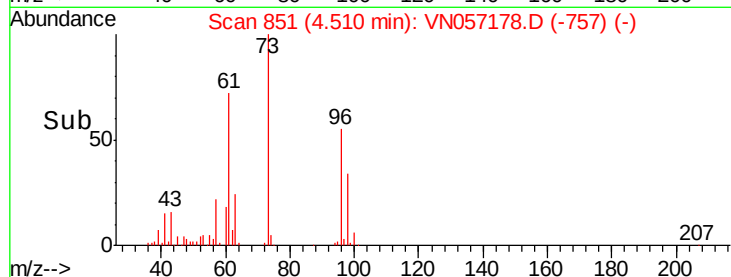
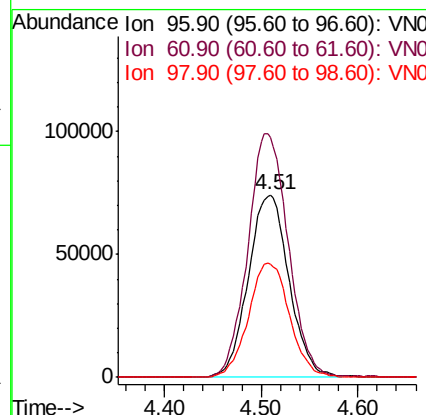
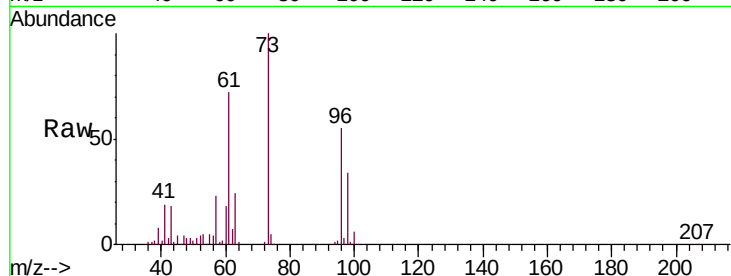
ClientSampled :

VN0811WBS01

Tgt Ion:	96	Resp:	217266
Ion	Ratio	Lower	Upper
96	100		
61	131.6	108.1	162.1
98	62.1	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM



#22

Diisopropyl ether

Concen: 19.447 ug/l

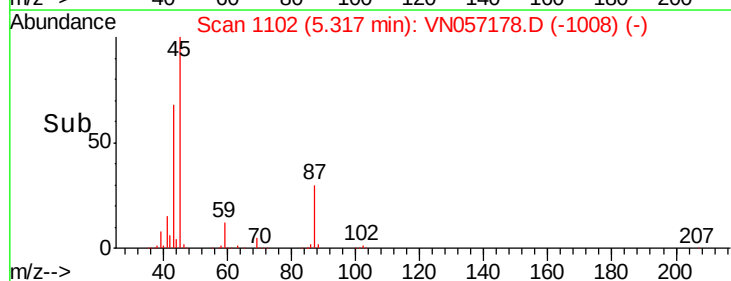
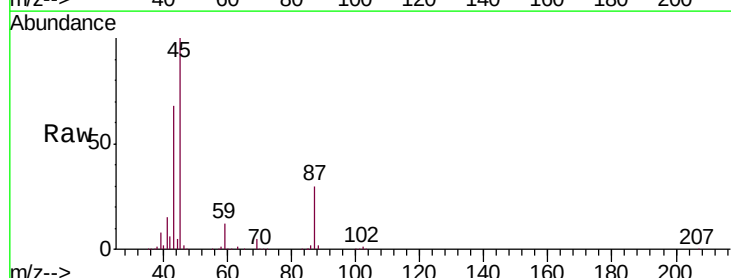
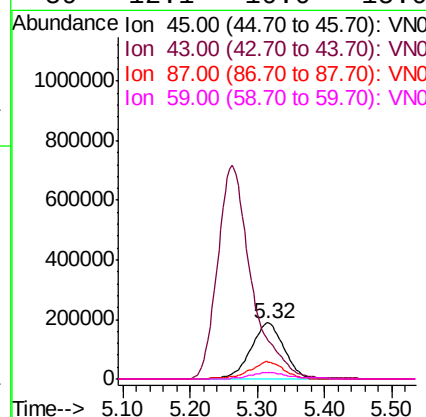
RT: 5.32 min Scan# 1102

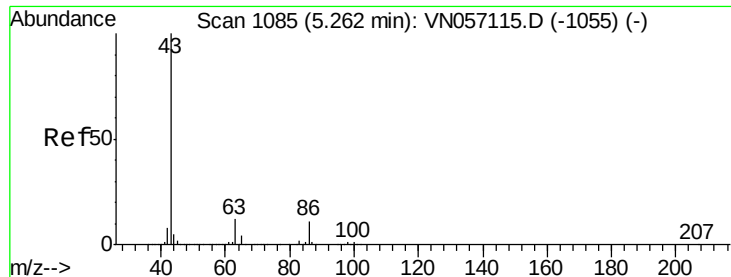
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	45	Resp:	647884
Ion	Ratio	Lower	Upper
45	100		
43	66.7	54.1	81.1
87	30.3	24.0	36.0
59	12.1	10.0	15.0





#23

Vinyl Acetate

Concen: 98.779 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion: 43 Resp: 2519987

Ion Ratio Lower Upper

43 100

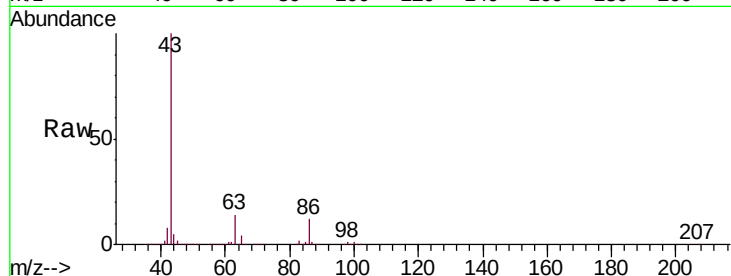
86 11.6 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:41:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.26

800000

600000

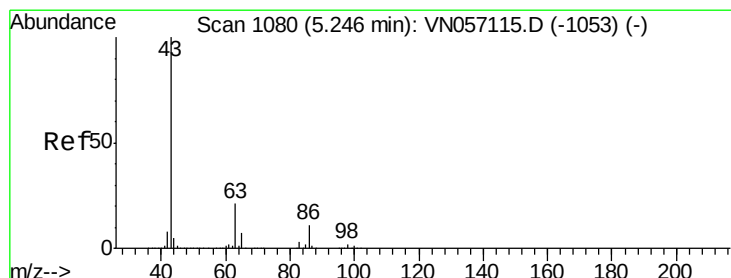
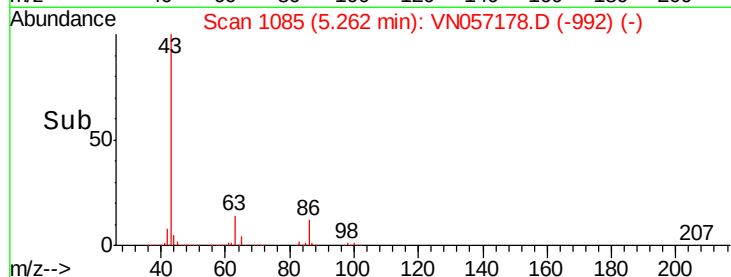
400000

200000

0

5.10 5.20 5.30 5.40 5.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.070 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

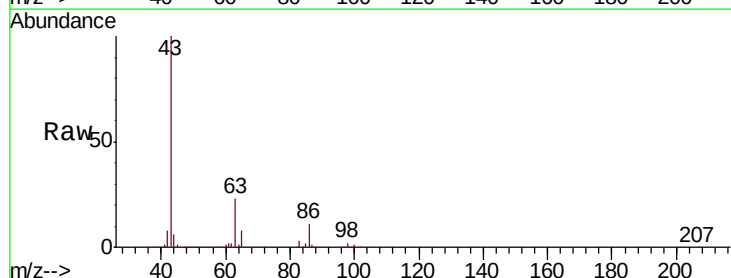
Tgt Ion: 63 Resp: 390551

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 4.7 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

150000

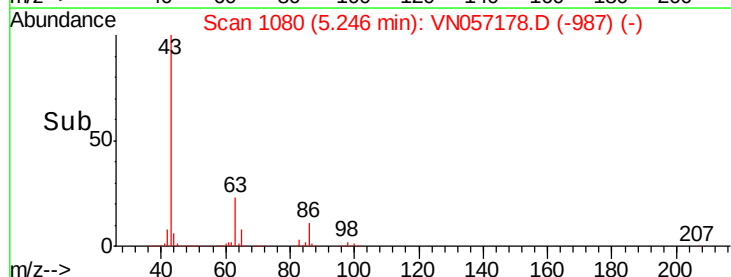
100000

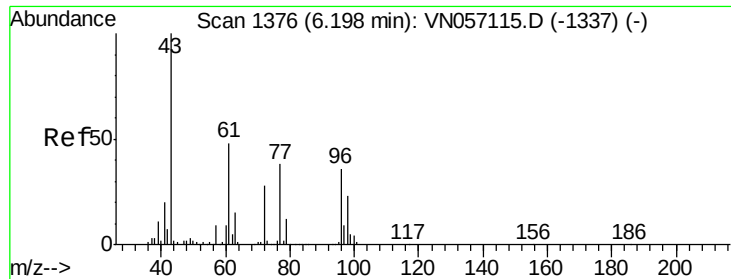
50000

0

5.10 5.20 5.30 5.40

Time-->





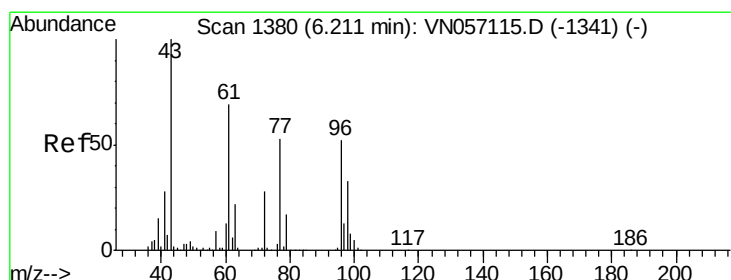
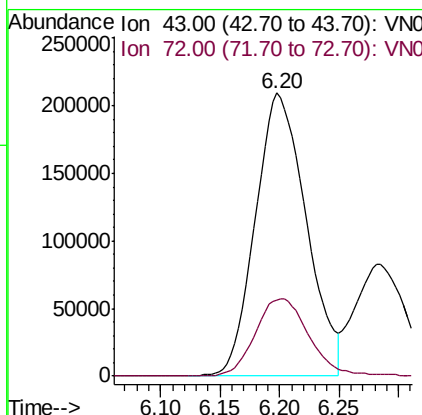
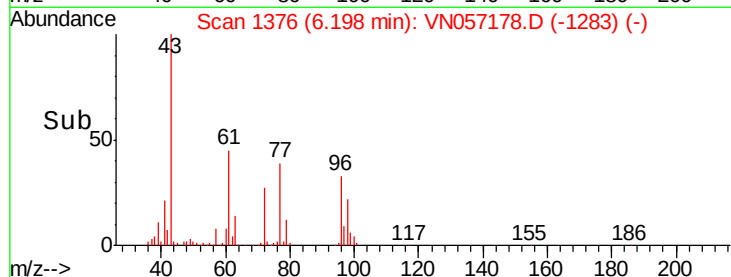
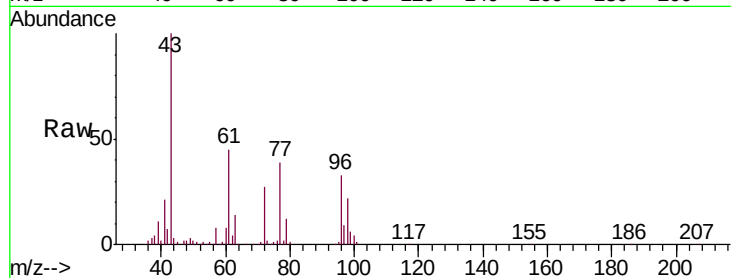
#25
2-Butanone
Concen: 105.067 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion: 43 Resp: 615802
Ion Ratio Lower Upper
43 100
72 27.0 22.2 33.4

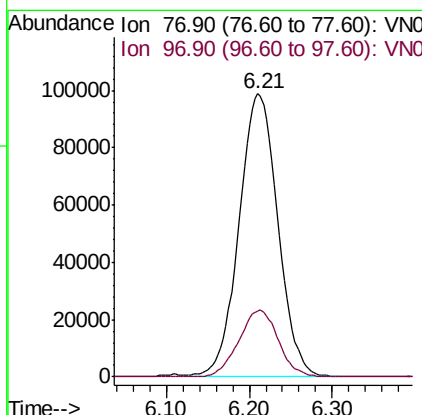
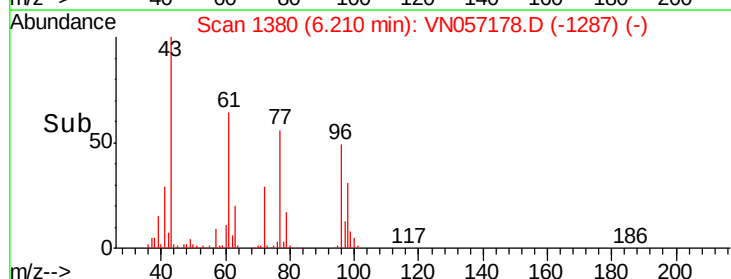
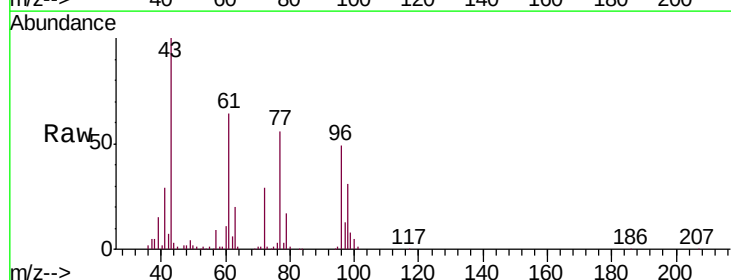
Manual Integrations
APPROVED

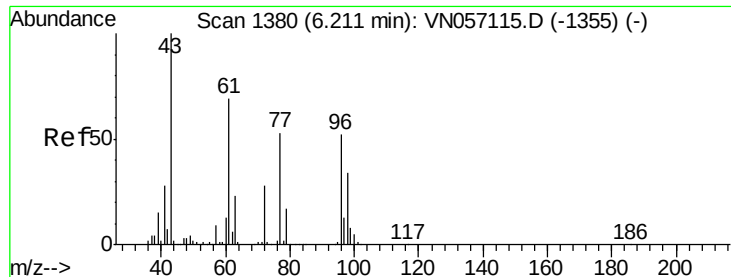
MMDadoda
8/12/2019 3:41:28 PM



#26
2,2-Dichloropropane
Concen: 21.501 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 77 Resp: 320355
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 19.562 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

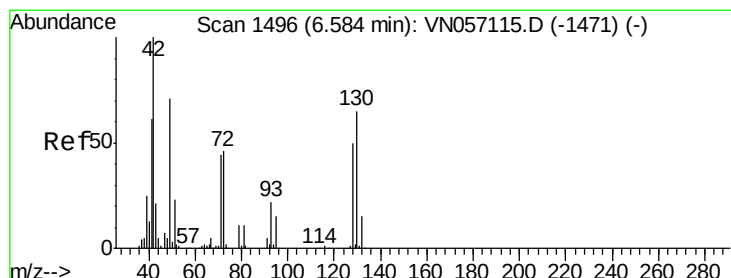
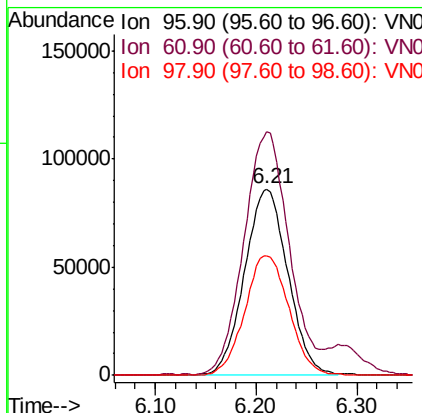
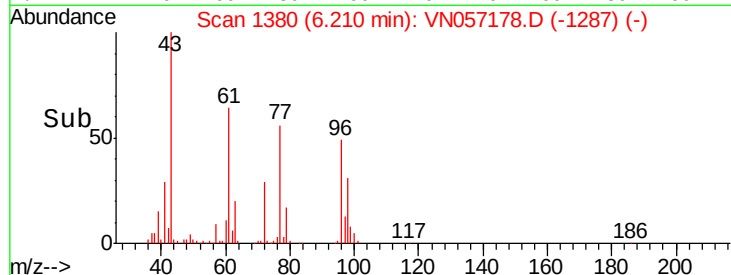
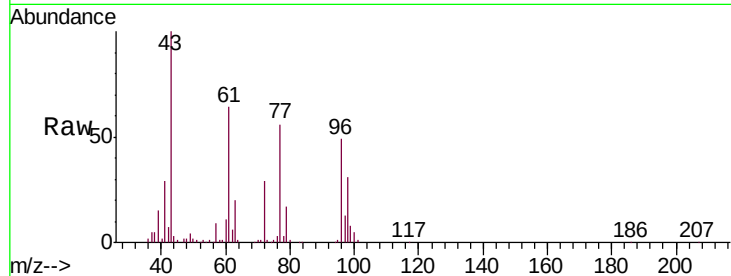
ClientSampleId :

VN0811WBS01

Tgt Ion:	96	Resp:	256575
Ion Ratio	Lower	Upper	
96	100		
61	135.7	0.0	273.4
98	65.7	0.0	130.4

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM



#28

Bromochloromethane

Concen: 20.421 ug/l

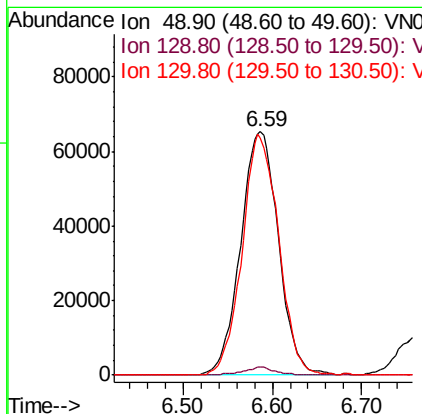
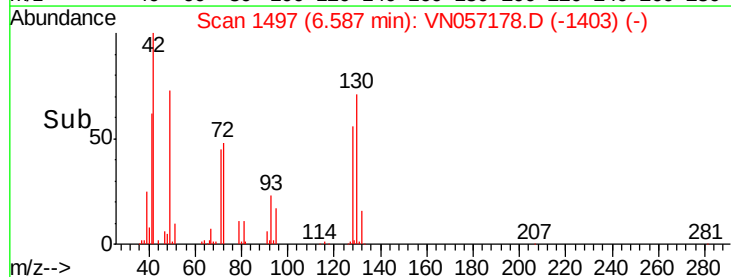
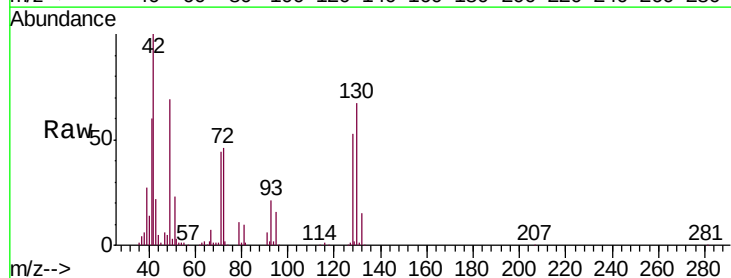
RT: 6.59 min Scan# 1497

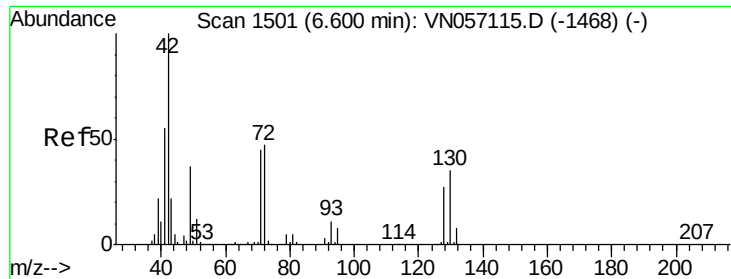
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	49	Resp:	192365
Ion Ratio	Lower	Upper	
49	100		
129	2.7	0.0	4.8
130	95.0	73.8	110.8





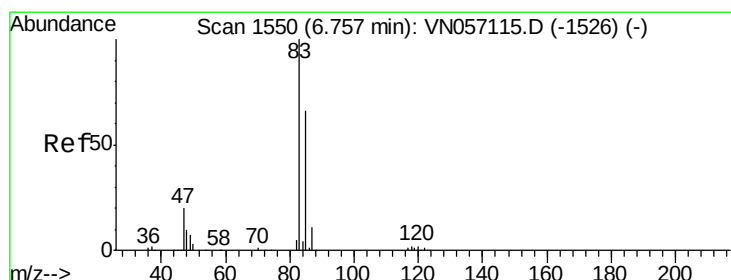
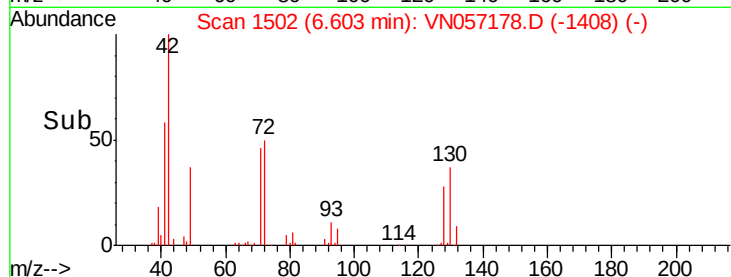
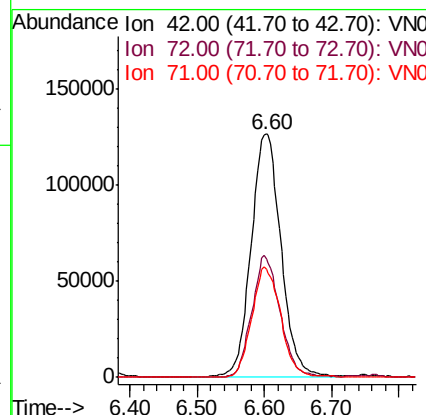
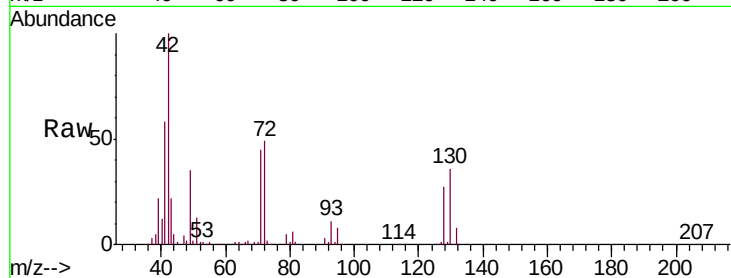
#29
Tetrahydrofuran
Concen: 99.183 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.1	55.7
71	43.5	34.8	52.2

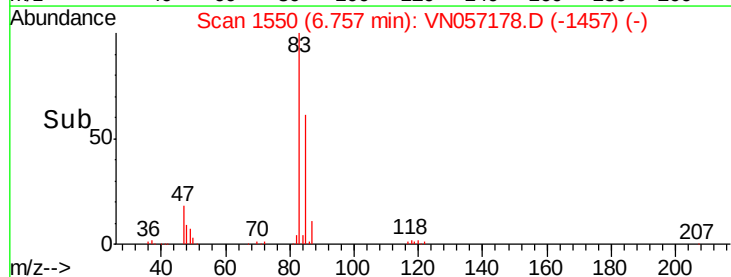
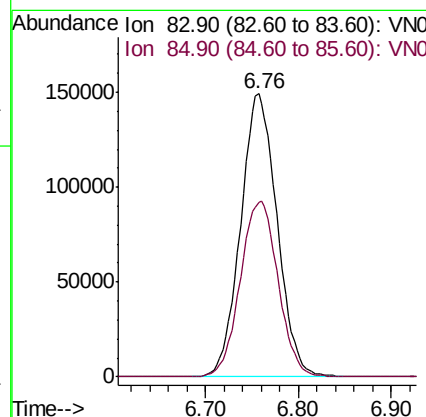
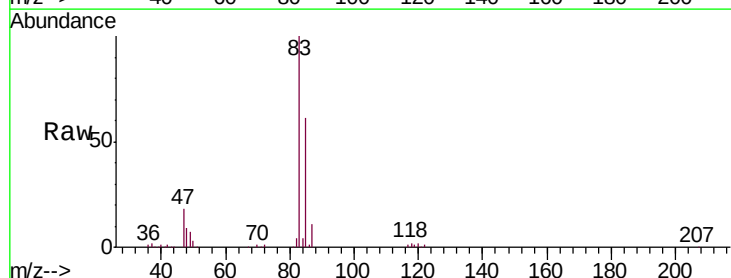
Manual Integrations
APPROVED

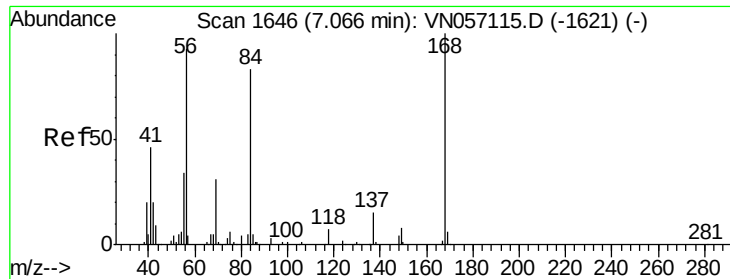
MMDadoda
8/12/2019 3:41:28 PM



#30
Chloroform
Concen: 19.199 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.6	78.8





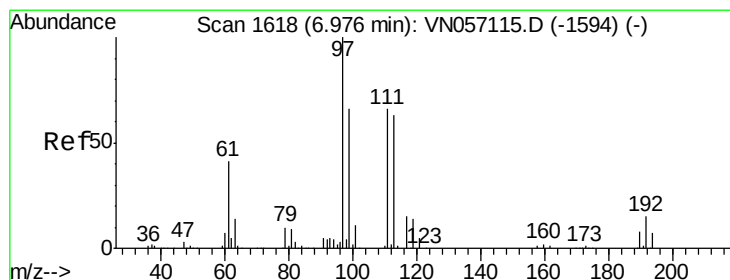
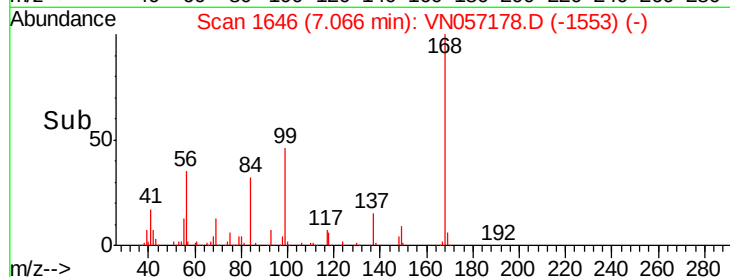
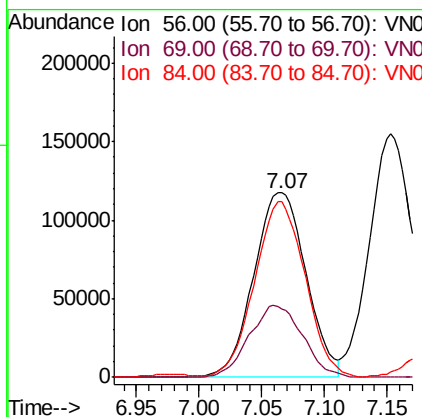
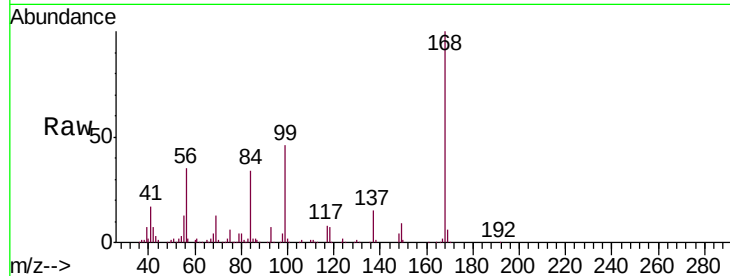
#31
Cyclohexane
Concen: 18.497 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.9	40.3
84	94.2	71.9	107.9

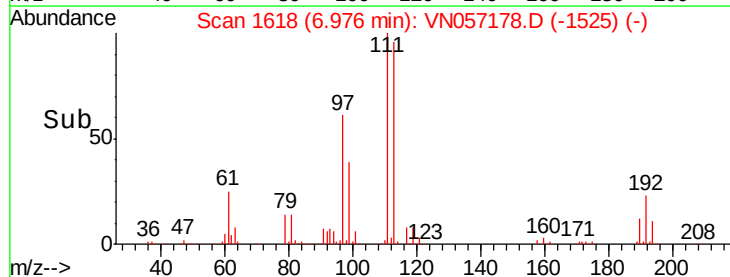
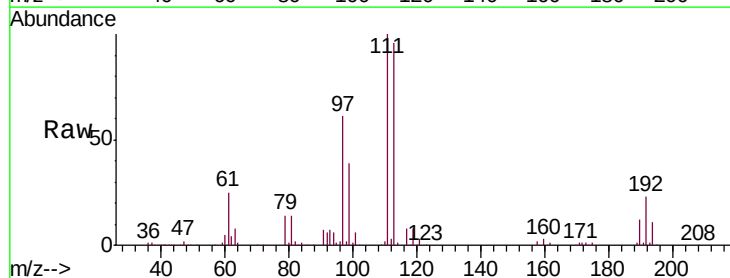
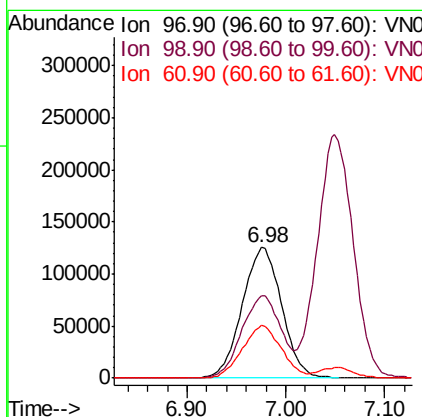
Manual Integrations
APPROVED

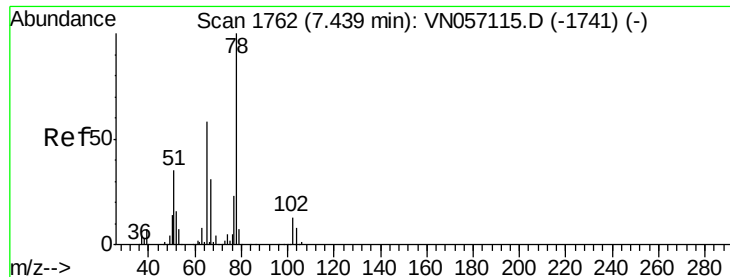
MMDadoda
8/12/2019 3:41:28 PM



#32
1,1,1-Trichloroethane
Concen: 19.519 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	40.0	32.7	49.1





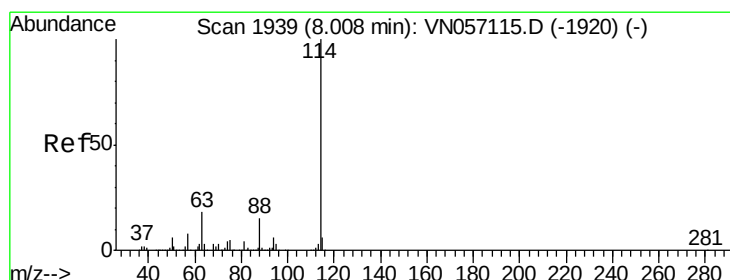
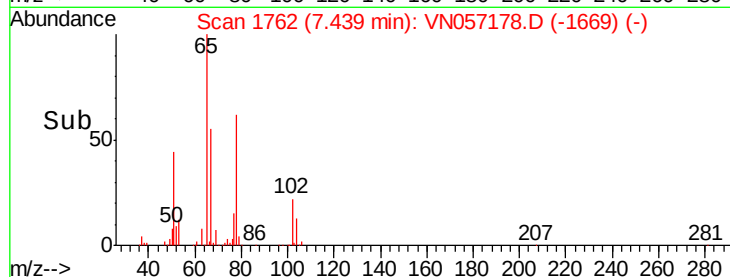
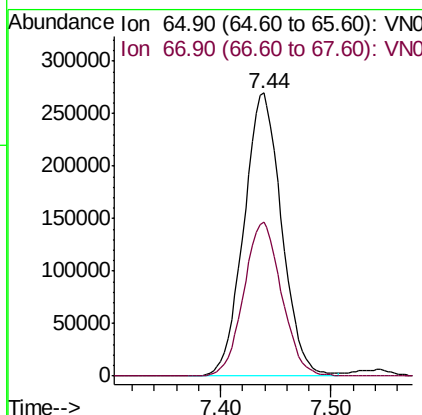
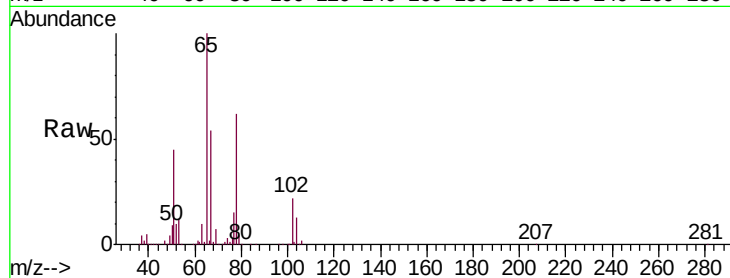
#33
 1,2-Dichloroethane-d4
 Concen: 50.309 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	639048		
67	54.5	0.0	108.2	

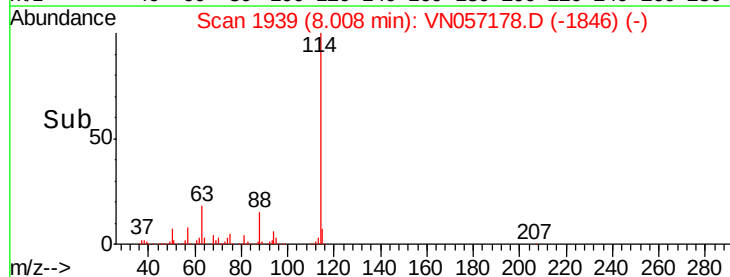
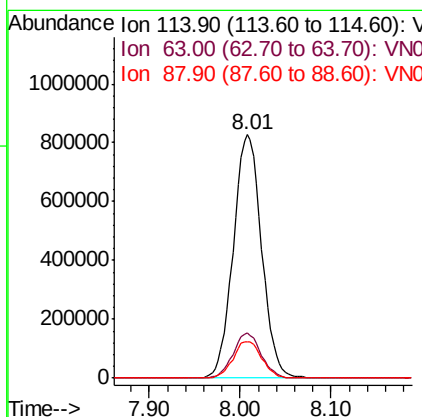
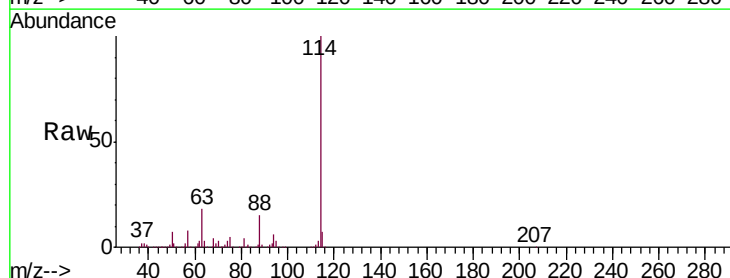
Manual Integrations
 APPROVED

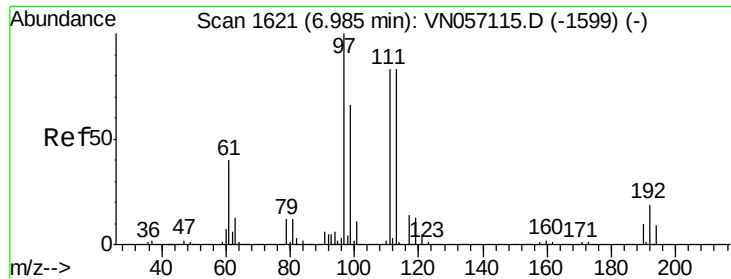
MMDadoda
 8/12/2019 3:41:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1785007		
63	18.5	0.0	36.2	
88	15.1	0.0	30.0	





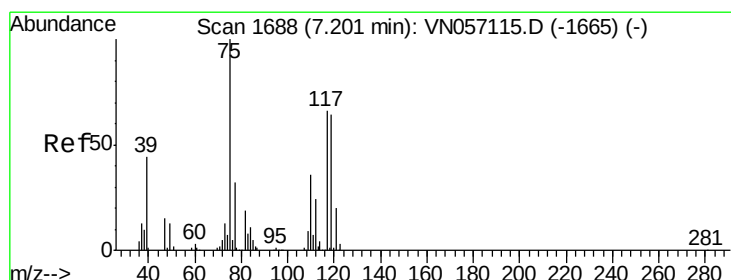
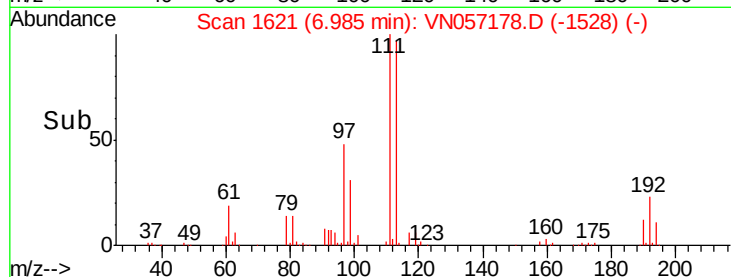
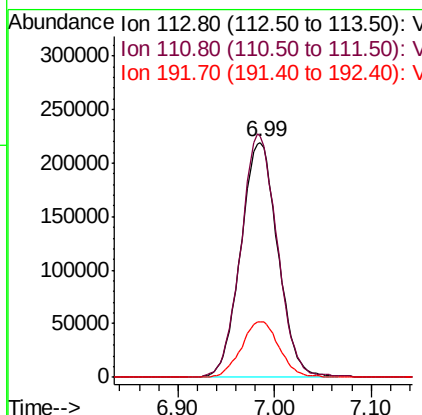
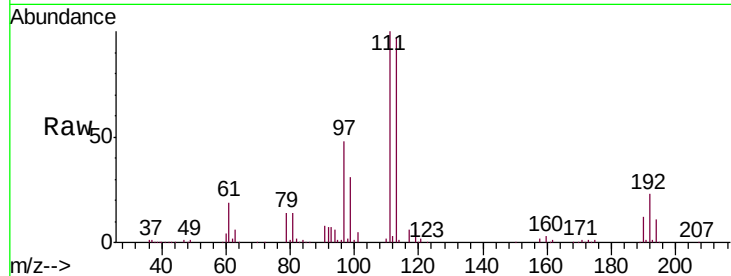
#35
 Dibromofluoromethane
 Concen: 52.146 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	584091		
111	102.1	81.3	121.9	
192	24.2	19.0	28.4	

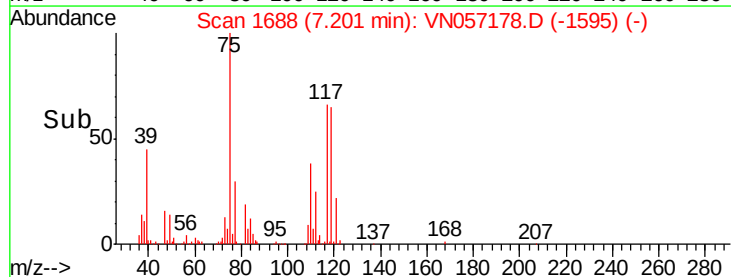
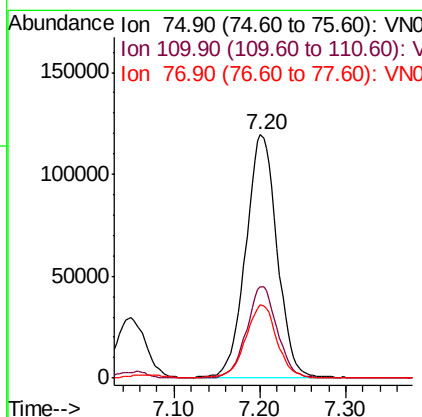
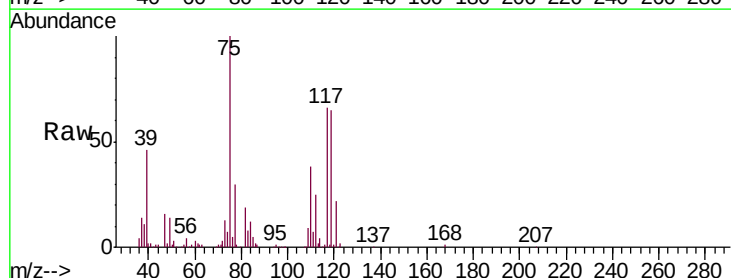
Manual Integrations
 APPROVED

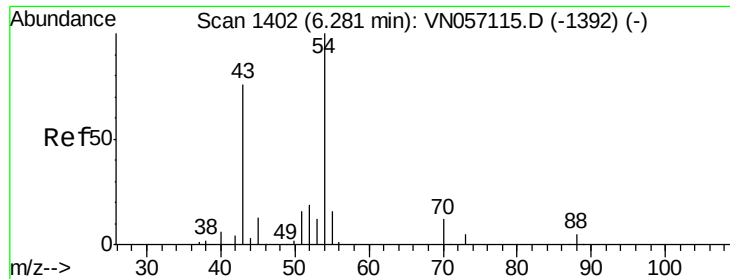
MMDadoda
 8/12/2019 3:41:28 PM



#36
 1,1-Dichloropropene
 Concen: 20.516 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	301529		
110	36.8	18.7	56.1	
77	30.4	25.0	37.4	





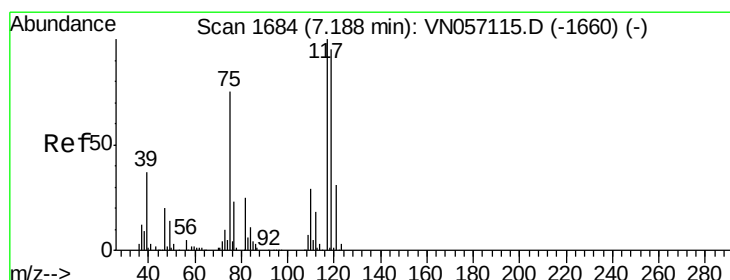
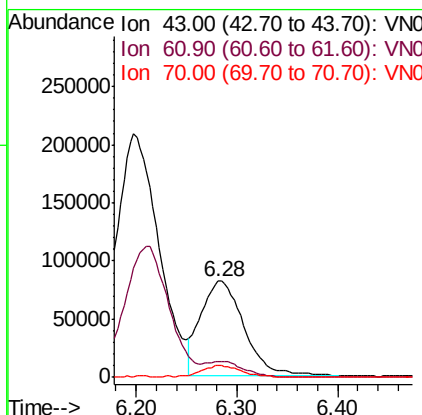
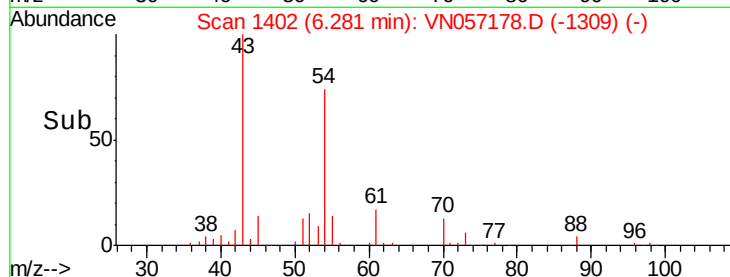
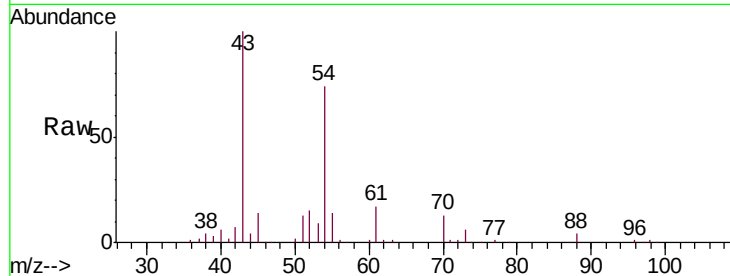
#37
 Ethyl Acetate
 Concen: 20.101 ug/l
 RT: 6.28 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	10.9	9.1	13.7

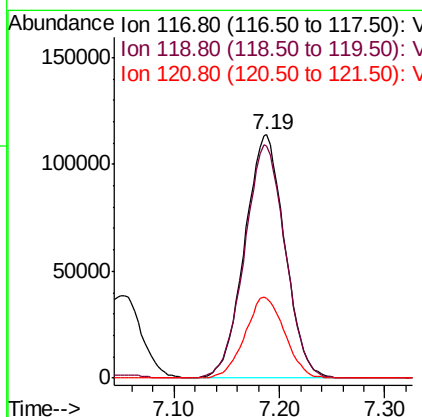
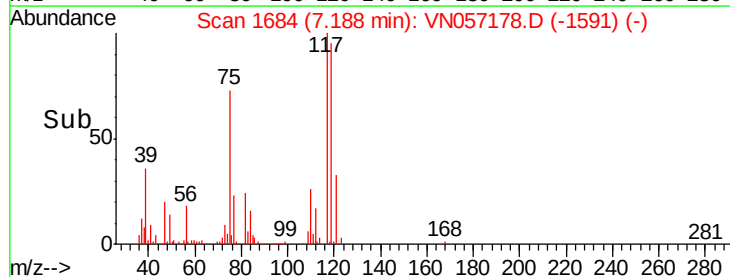
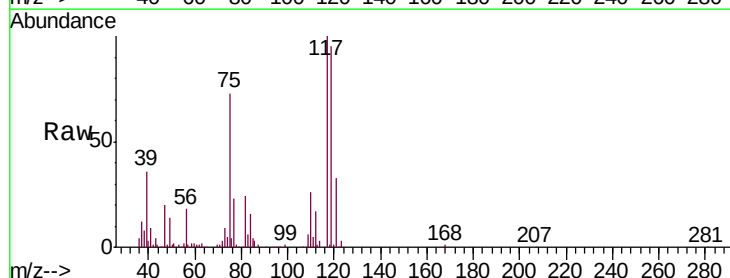
Manual Integrations
 APPROVED

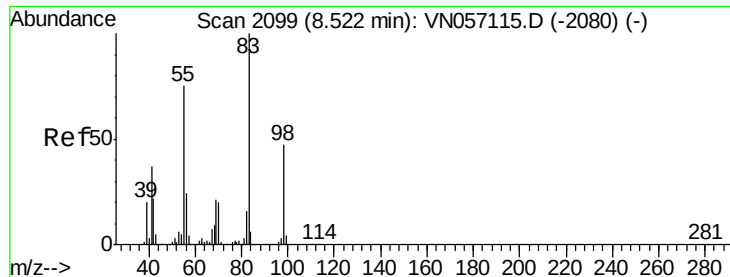
MMDadoda
 8/12/2019 3:41:28 PM



#38
 Carbon Tetrachloride
 Concen: 19.625 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.6
121	32.7	24.4	36.6





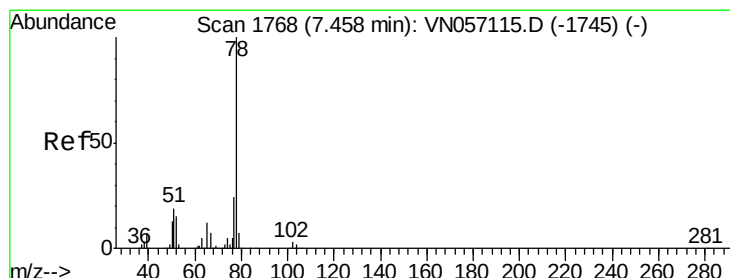
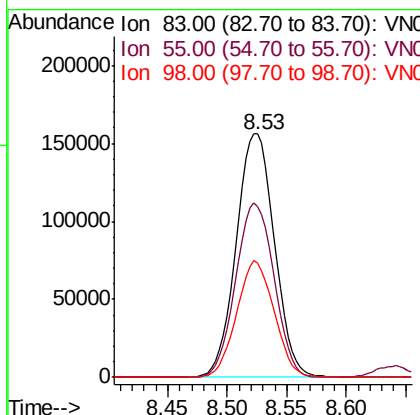
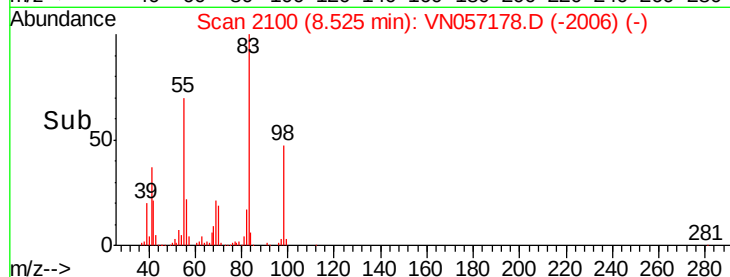
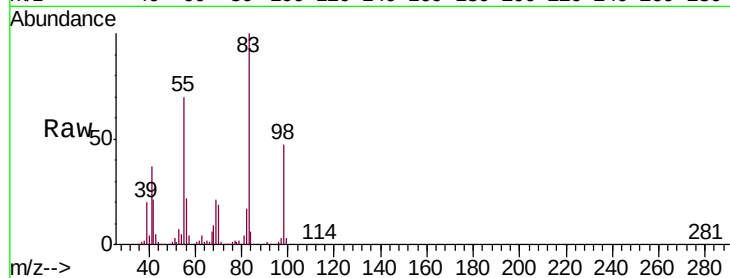
#39
Methylcyclohexane
Concen: 19.509 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	348671		
55	70.3	60.3	90.5	
98	47.0	37.9	56.9	

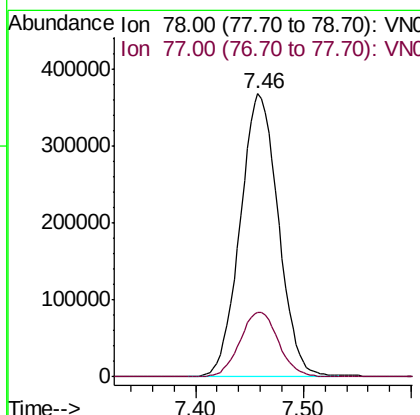
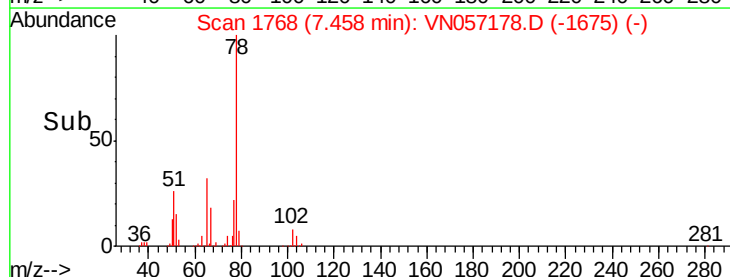
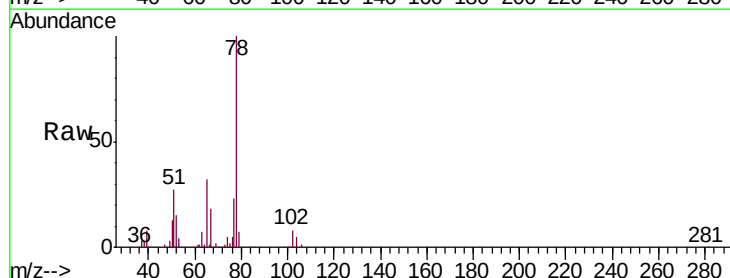
Manual Integrations
APPROVED

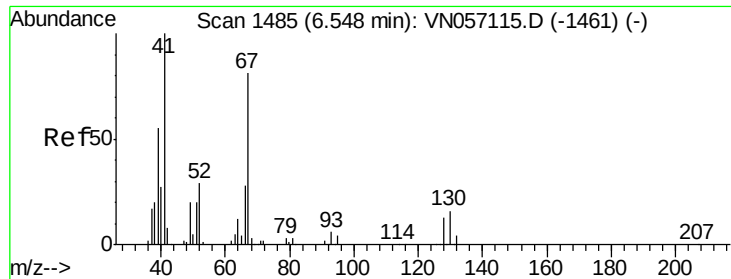
MMDadoda
8/12/2019 3:41:28 PM



#40
Benzene
Concen: 19.497 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	907146		
77	22.9	19.2	28.8	





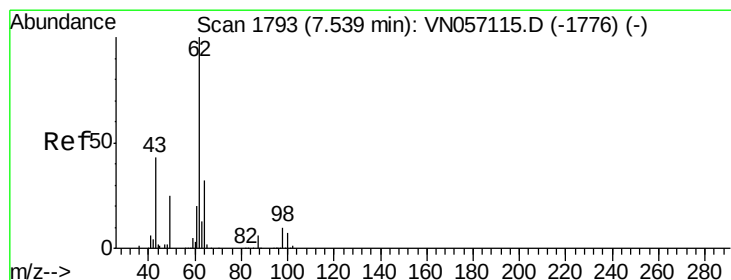
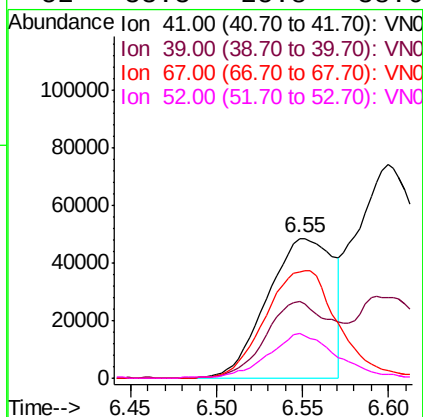
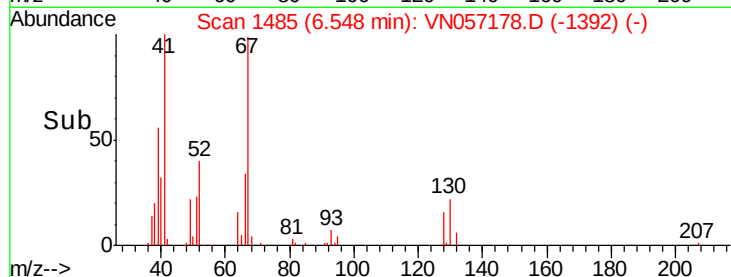
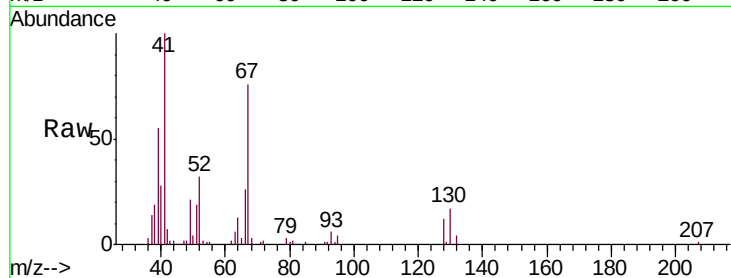
#41
Methacrylonitrile
Concen: 21.099 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.9	67.3
67	84.7	69.1	103.7
52	33.3	25.8	38.6

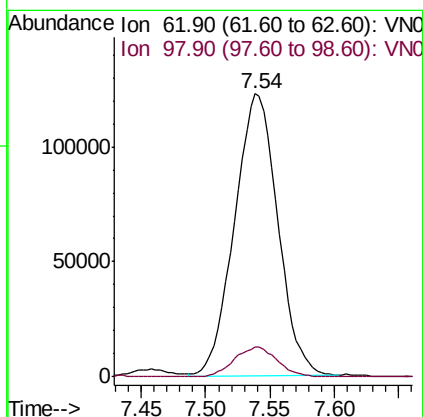
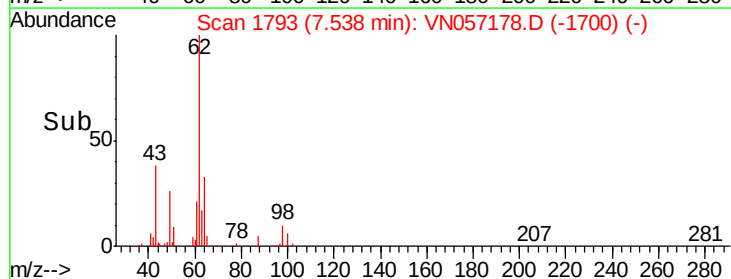
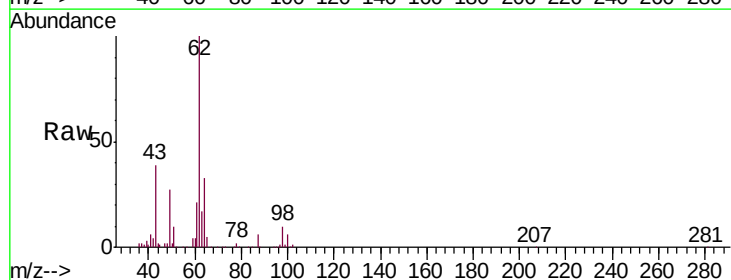
Manual Integrations
APPROVED

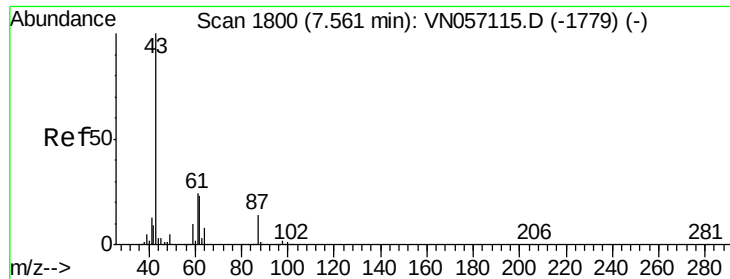
MMDadoda
8/12/2019 3:41:28 PM



#42
1,2-Dichloroethane
Concen: 19.247 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.4





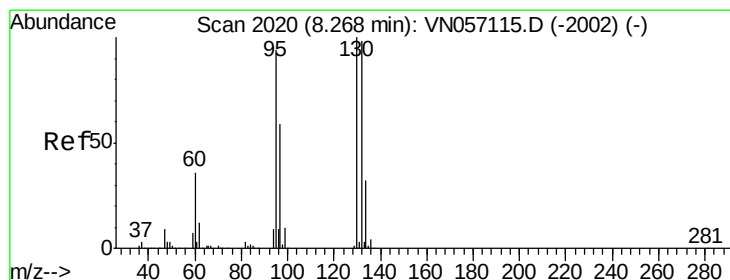
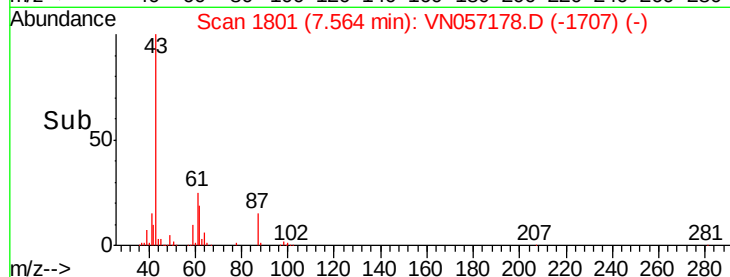
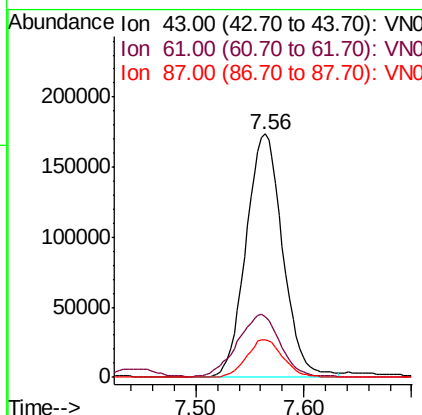
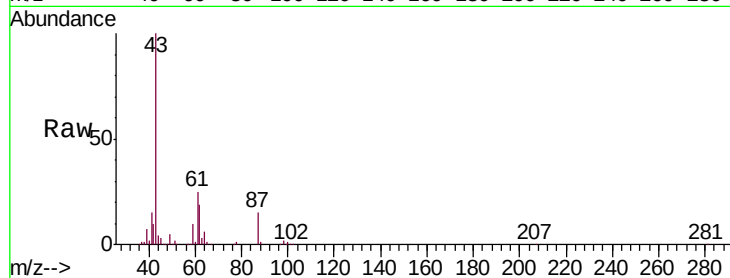
#43
Isopropyl Acetate
Concen: 19.791 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.2	36.2
87	15.4	11.8	17.8

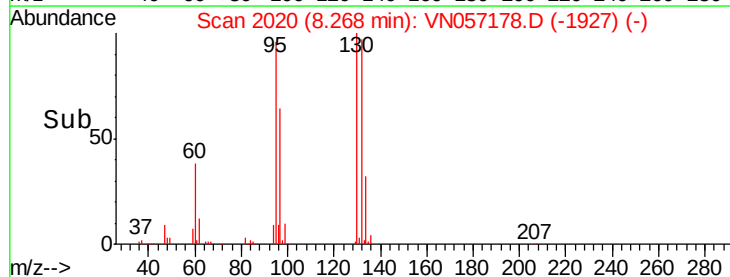
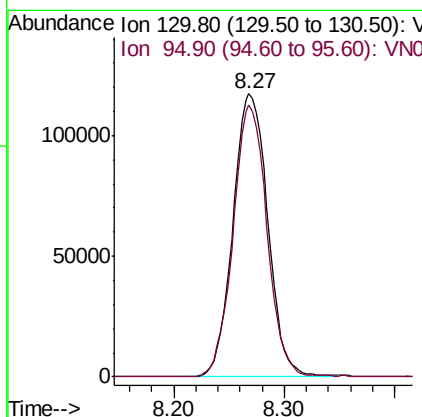
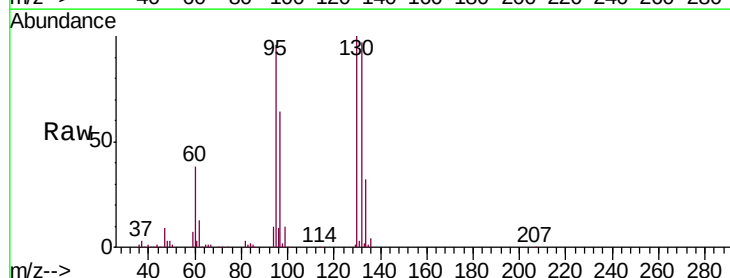
Manual Integrations
APPROVED

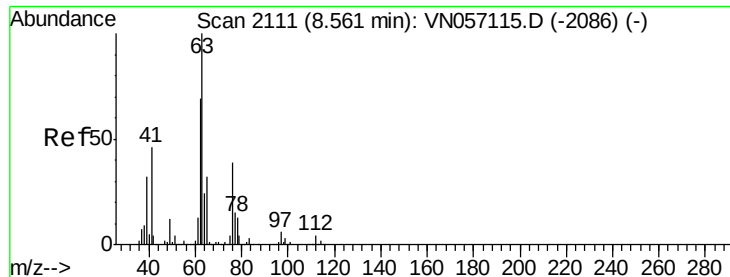
MMDadoda
8/12/2019 3:41:28 PM



#44
Trichloroethene
Concen: 19.693 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	187.4





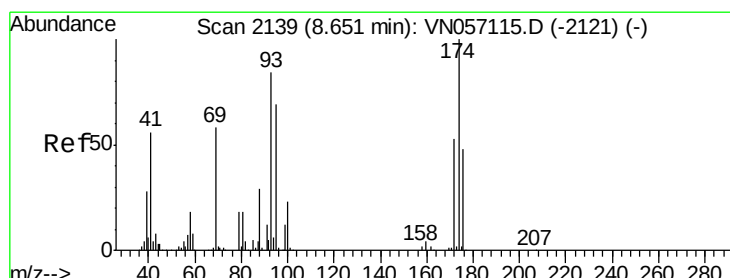
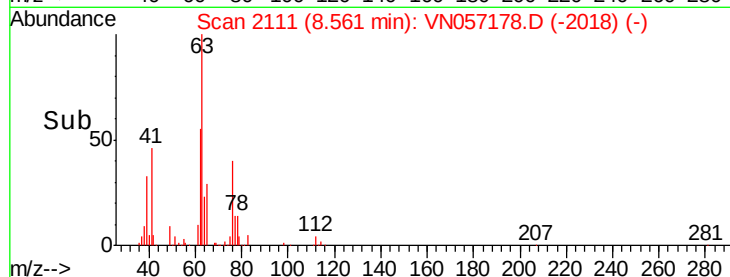
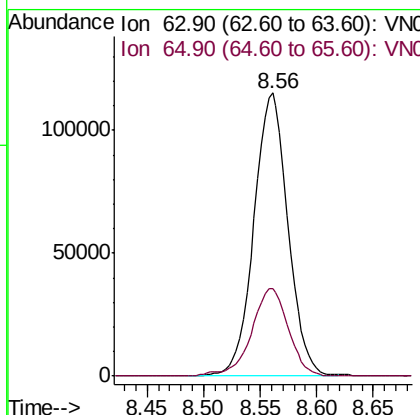
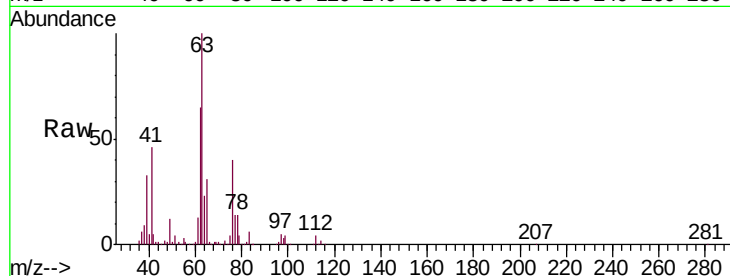
#45
 1,2-Dichloropropane
 Concen: 19.985 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

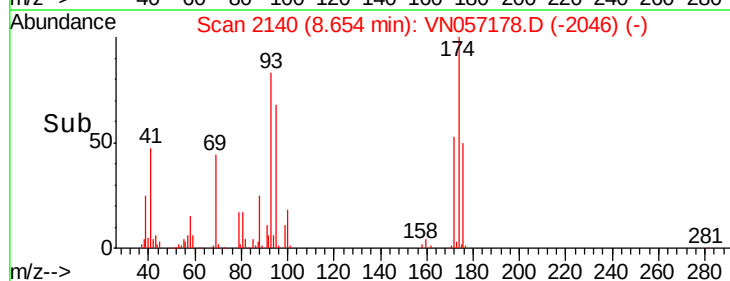
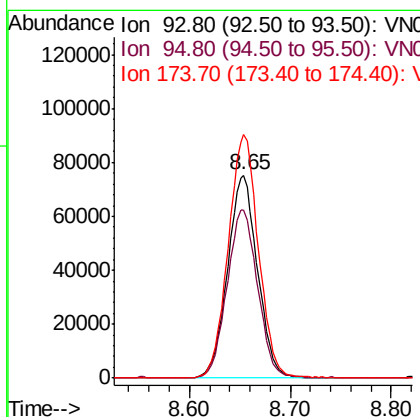
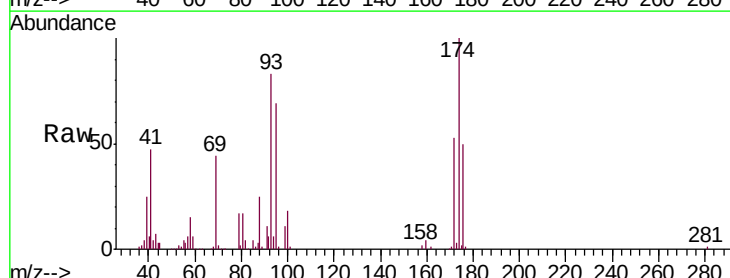
Manual Integrations
 APPROVED

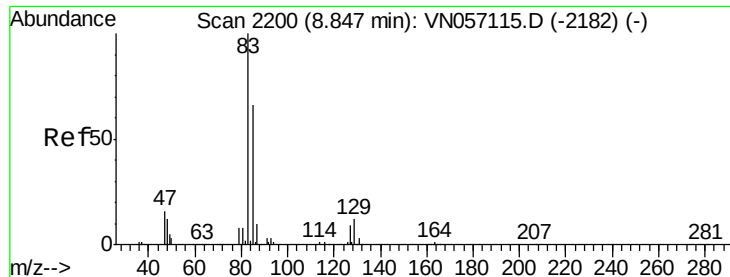
MMDadoda
 8/12/2019 3:41:28 PM



#46
 Dibromomethane
 Concen: 20.113 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.0	99.0
174	121.1	96.0	144.0





#47

Bromodichloromethane

Concen: 20.472 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

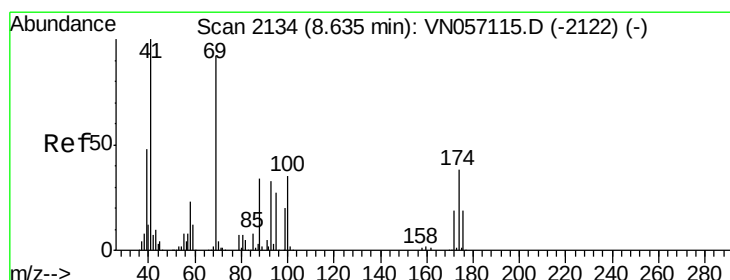
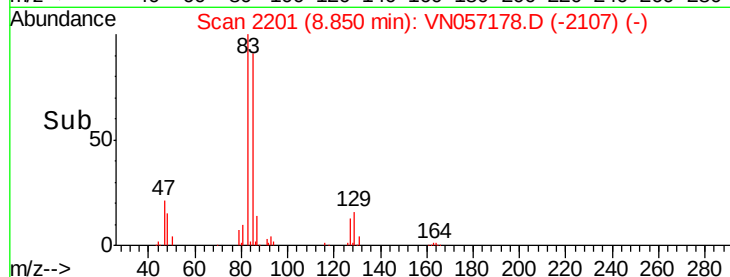
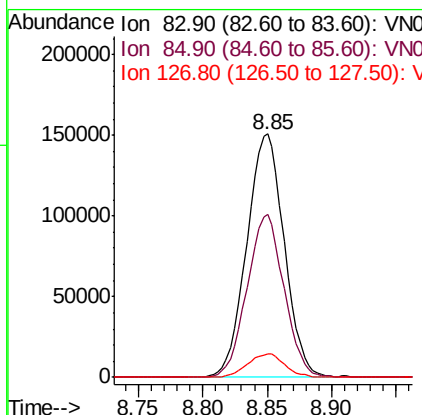
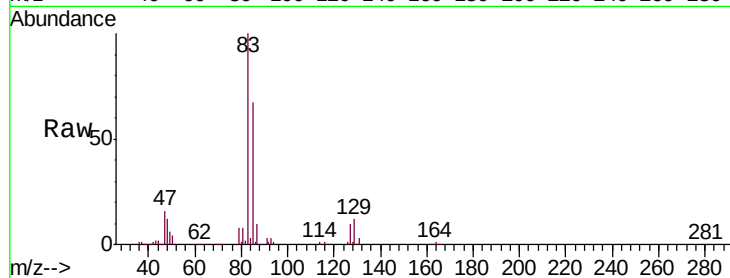
ClientSampleId :

VN0811WBS01

Tgt Ion:	83	Resp:	305976
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8
127	9.8	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM



#48

Methyl methacrylate

Concen: 19.154 ug/l

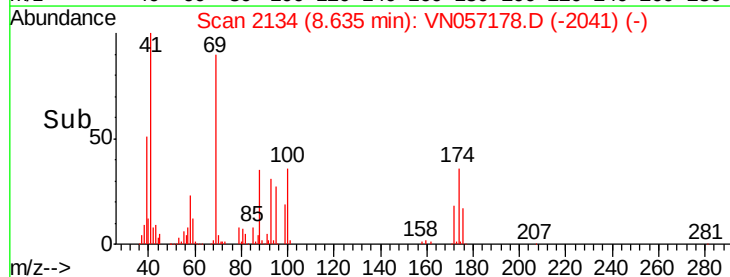
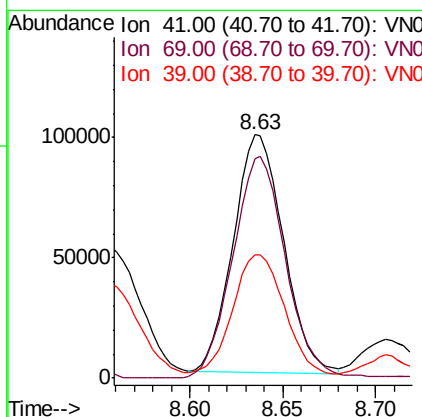
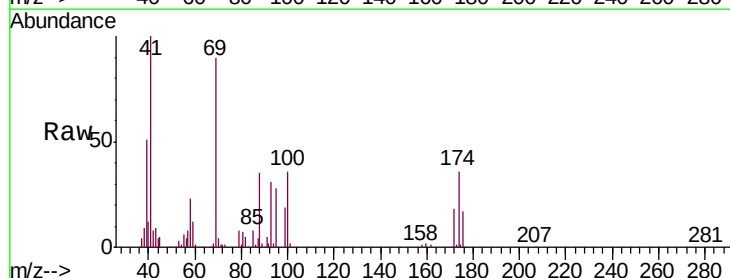
RT: 8.63 min Scan# 2134

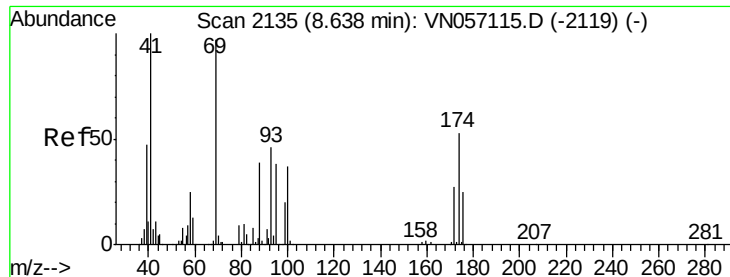
Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	41	Resp:	186739
Ion	Ratio	Lower	Upper
41	100		
69	98.5	77.5	116.3
39	54.5	39.8	59.6





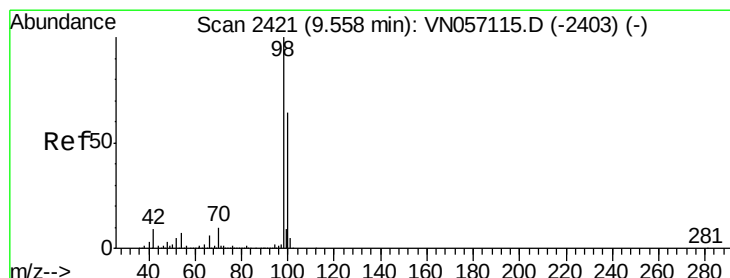
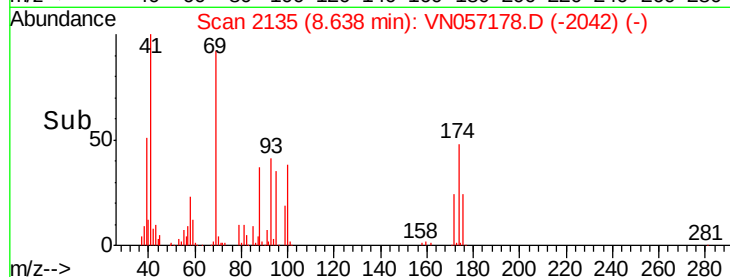
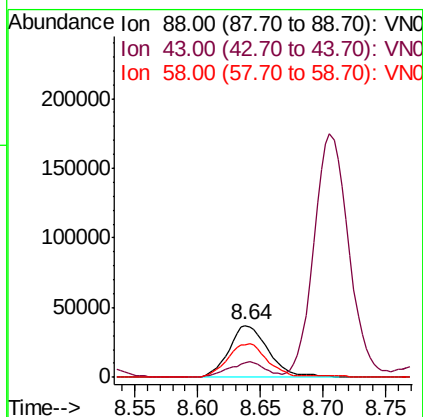
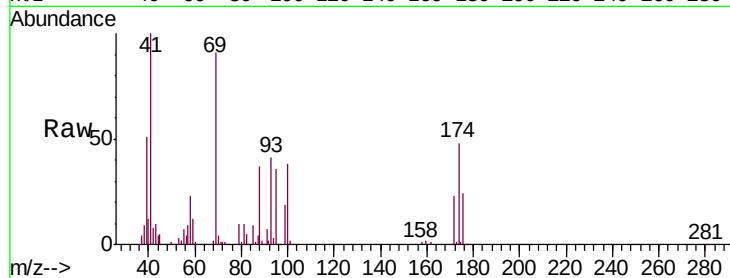
#49
1,4-Dioxane
Concen: 410.427 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	25.5	21.7	32.5
58	65.7	51.1	76.7

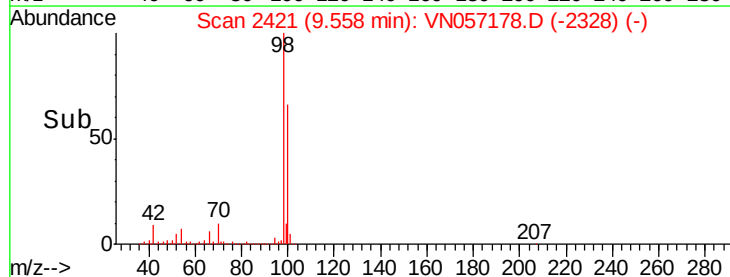
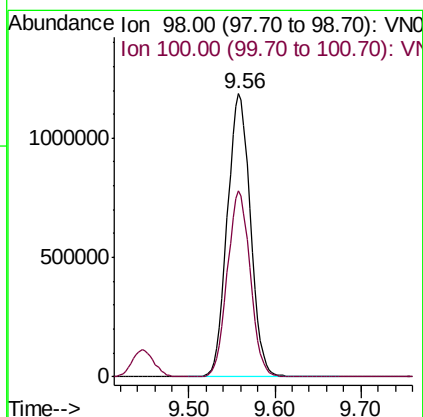
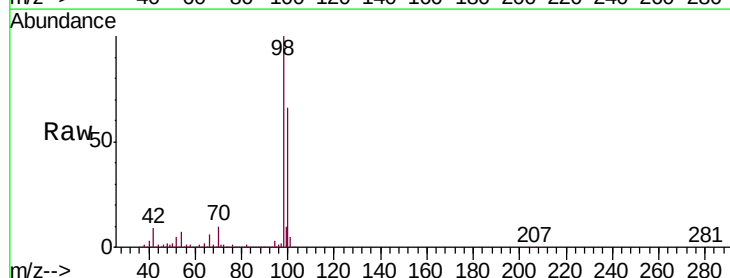
Manual Integrations
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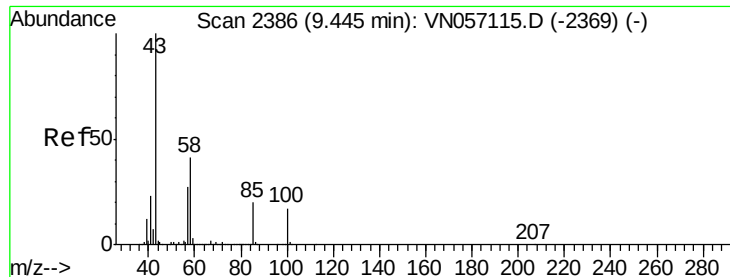
MMDadoda
8/12/2019 3:41:28 PM



#50
Toluene-d8
Concen: 51.581 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





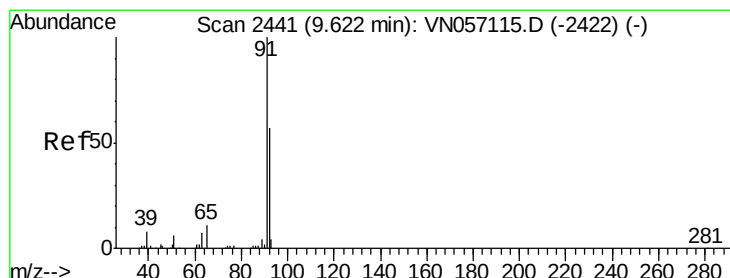
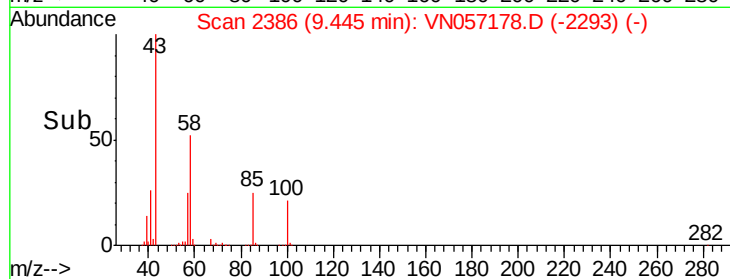
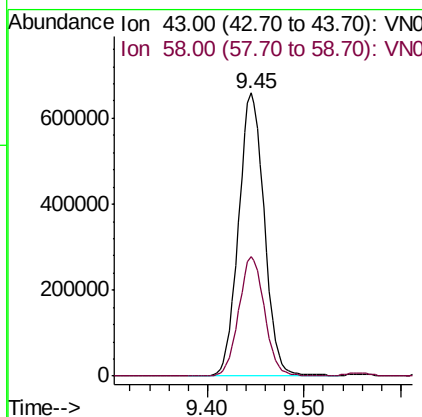
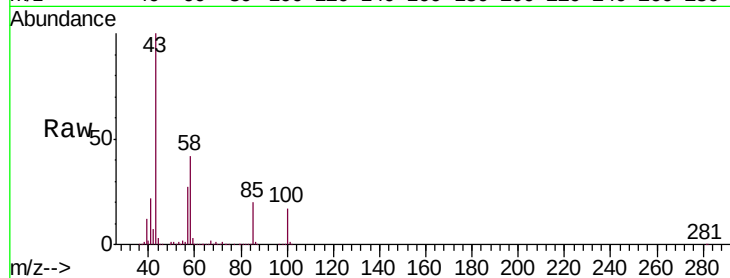
#51
4-Methyl-2-Pentanone
Concen: 101.004 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion: 43 Resp: 1215352
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8

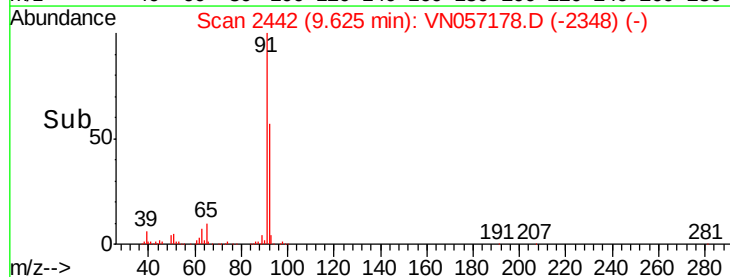
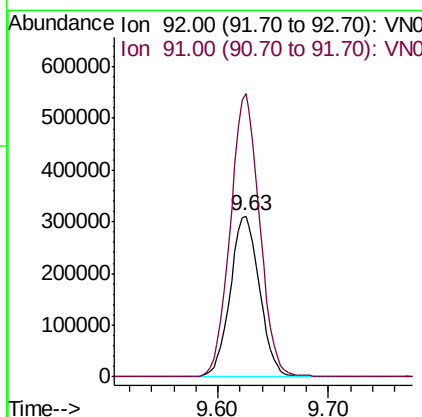
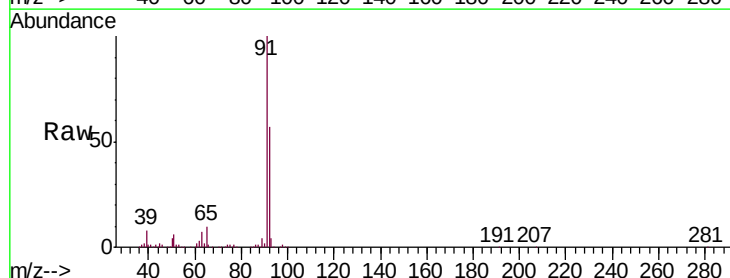
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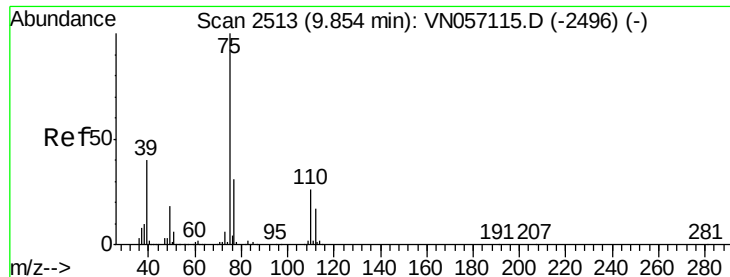
MMDadoda
8/12/2019 3:41:28 PM



#52
Toluene
Concen: 19.829 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 92 Resp: 572659
Ion Ratio Lower Upper
92 100
91 175.5 139.8 209.8





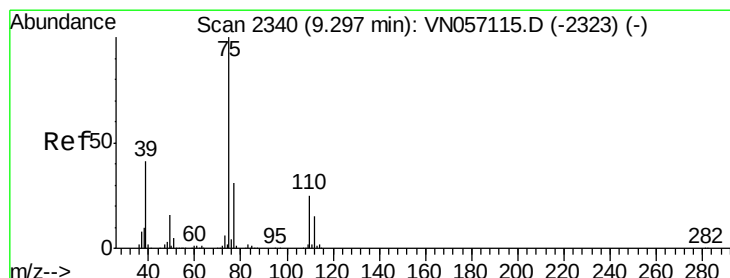
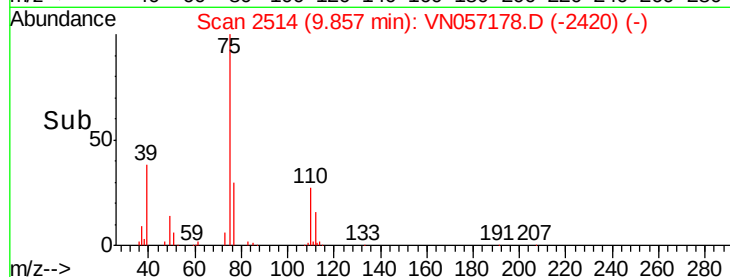
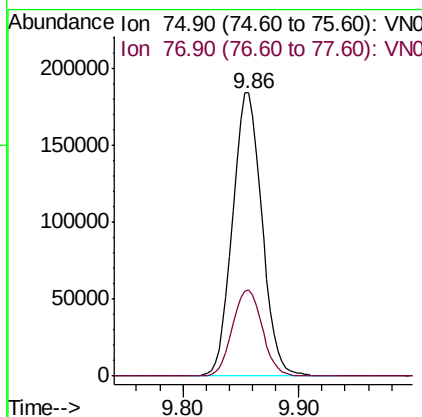
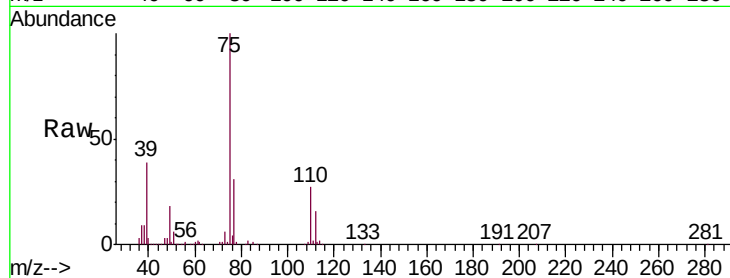
#53
t-1,3-Dichloropropene
Concen: 20.701 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2

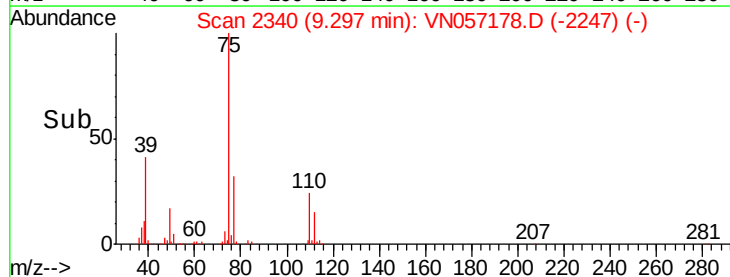
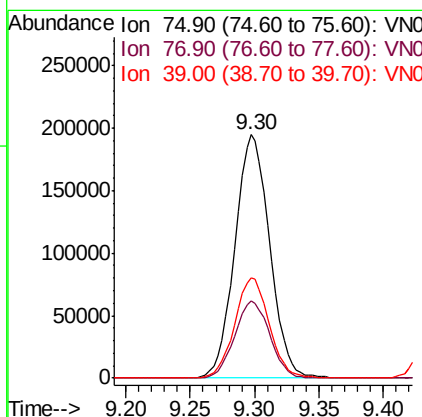
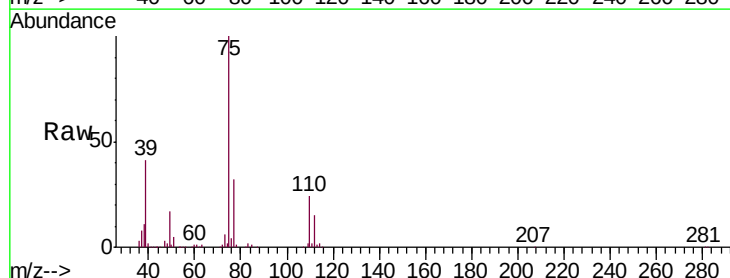
Manual Integrations
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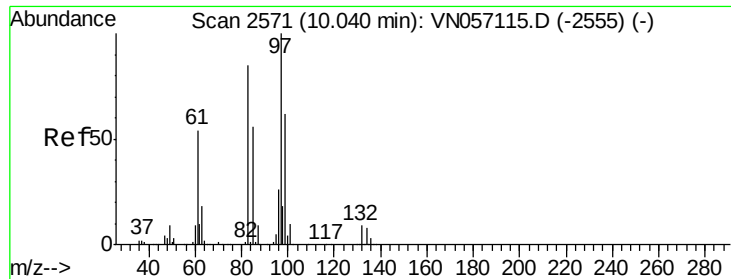
MMDadoda
8/12/2019 3:41:28 PM



#54
cis-1,3-Dichloropropene
Concen: 20.418 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	41.2	32.5	48.7





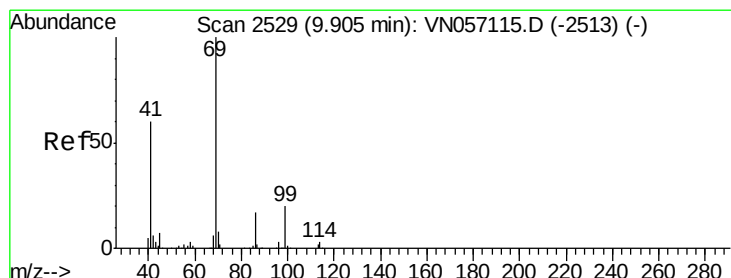
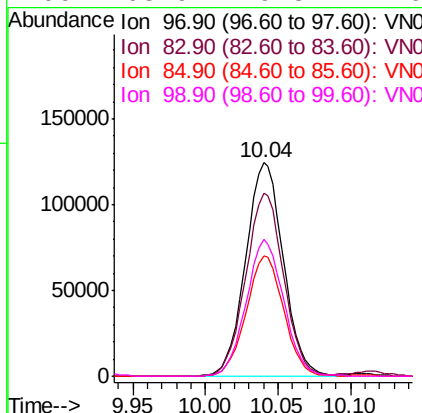
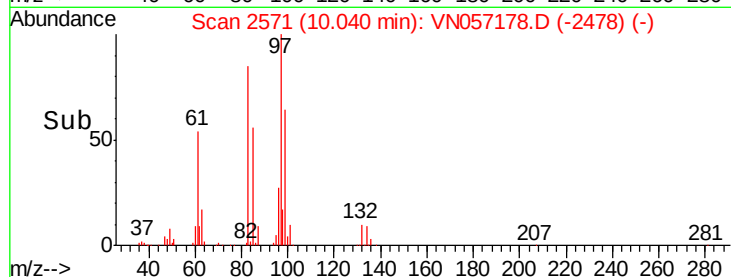
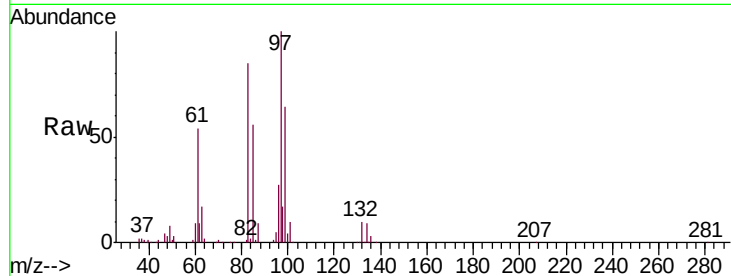
#55
 1,1,2-Trichloroethane
 Concen: 19.883 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	225810		
83	85.5	67.8	101.8	
85	56.5	44.4	66.6	
99	63.9	49.8	74.6	

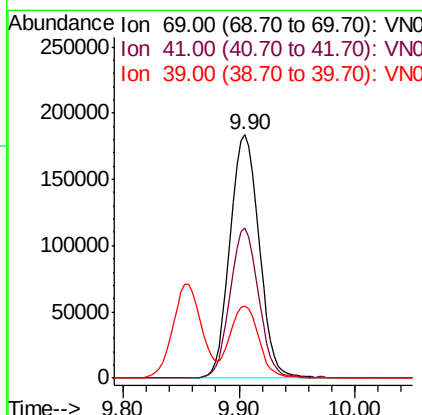
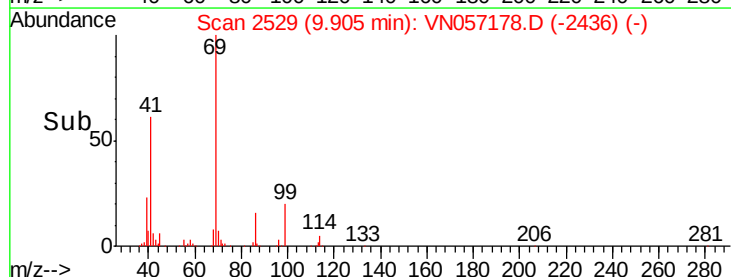
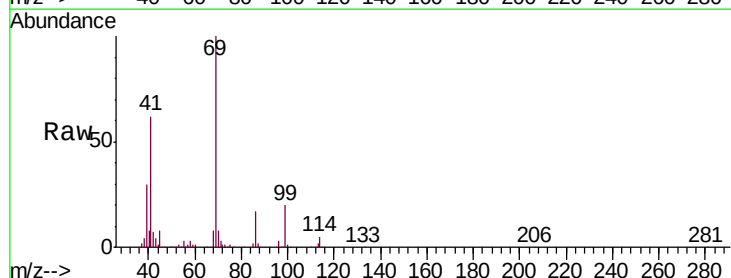
Manual Integrations
 APPROVED

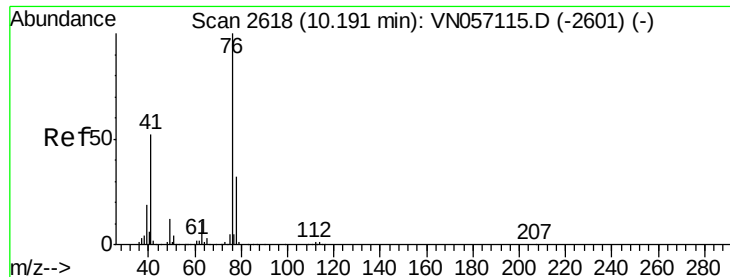
MMDadoda
 8/12/2019 3:41:28 PM



#56
 Ethyl methacrylate
 Concen: 20.073 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	319178		
41	59.8	48.1	72.1	
39	28.8	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 20.023 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion: 76 Resp: 374998

Ion Ratio Lower Upper

76 100

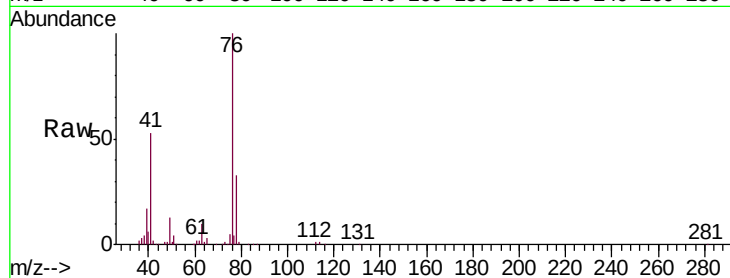
78 32.7 25.9 38.9

Manual Integrations

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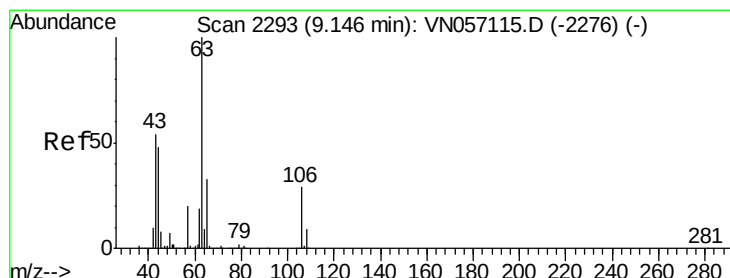
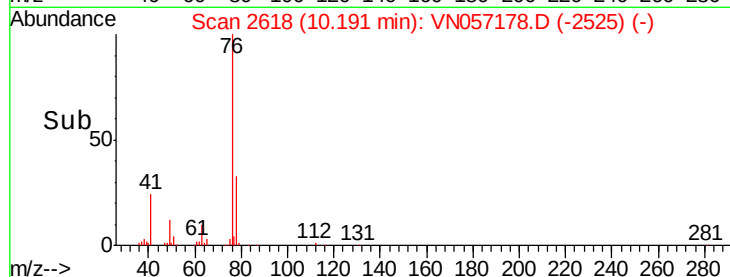
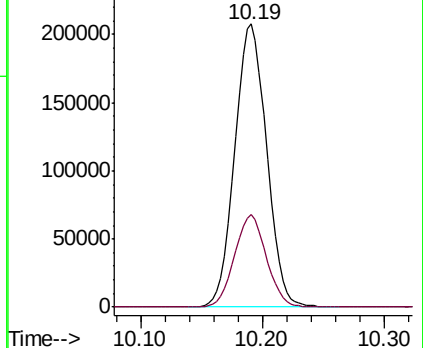
MMDadoda

8/12/2019 3:41:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 68.696 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057178.D

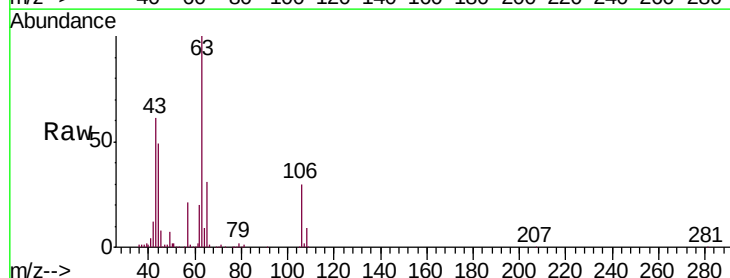
Acq: 11 Aug 2019 11:25

Tgt Ion: 63 Resp: 371919

Ion Ratio Lower Upper

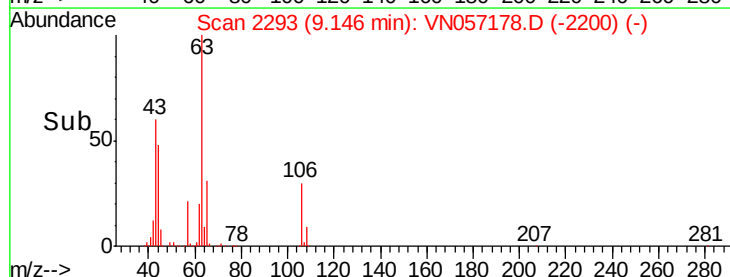
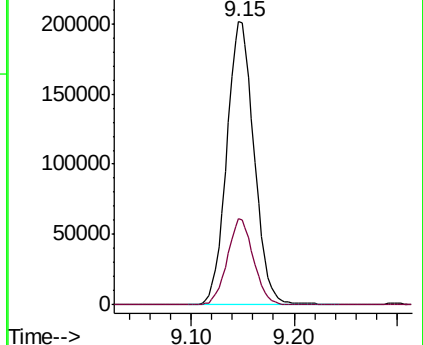
63 100

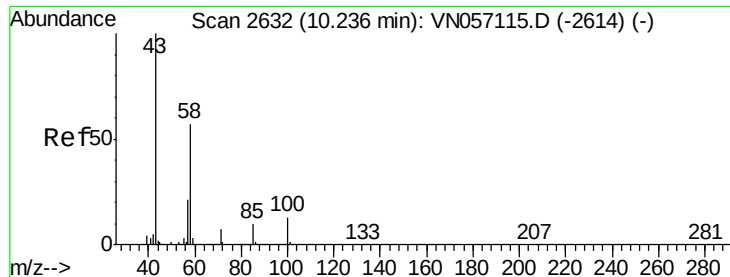
106 29.1 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





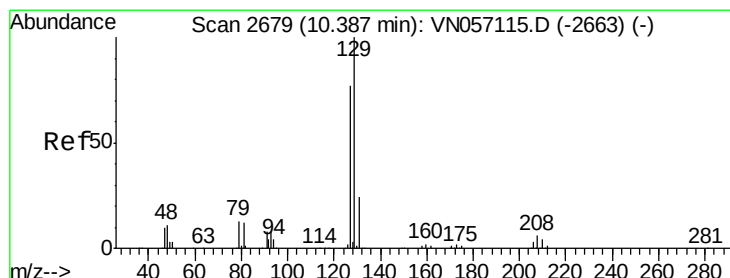
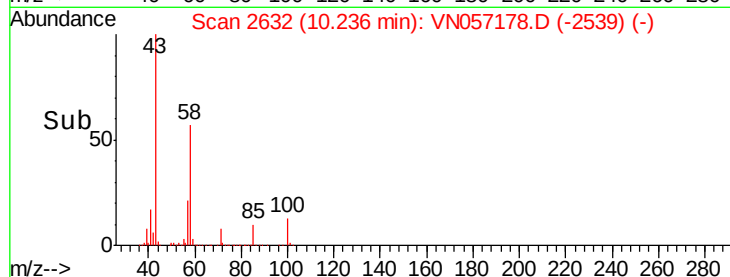
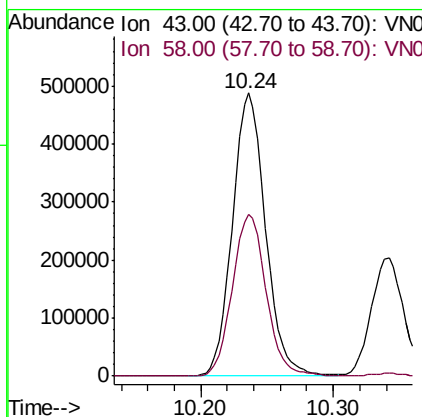
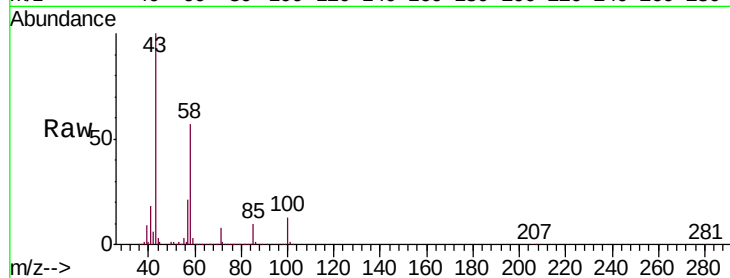
#59
2-Hexanone
Concen: 103.661 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion: 43 Resp: 844180
Ion Ratio Lower Upper
43 100
58 58.5 29.2 87.6

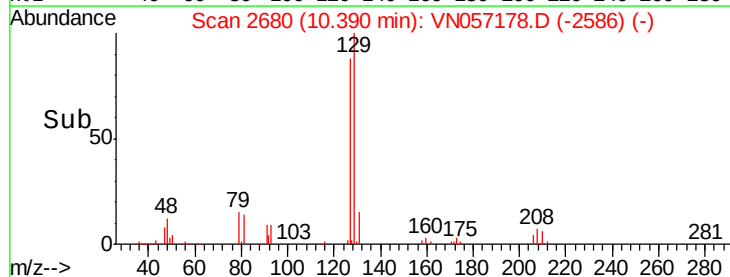
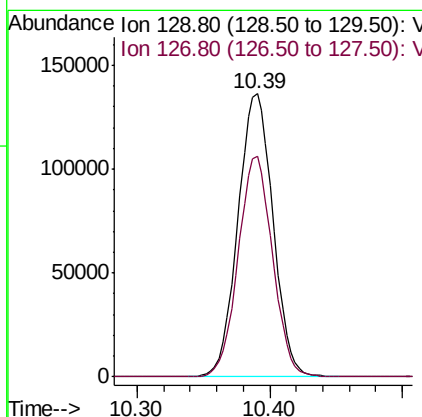
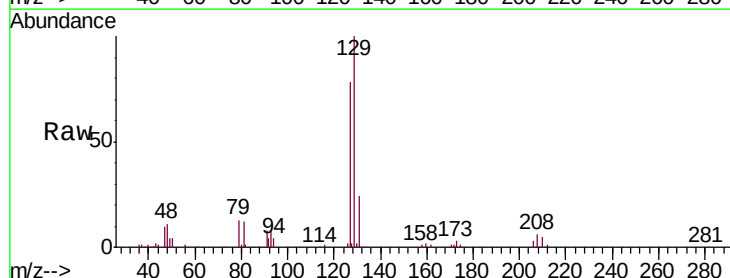
Manual Integrations
APPROVED

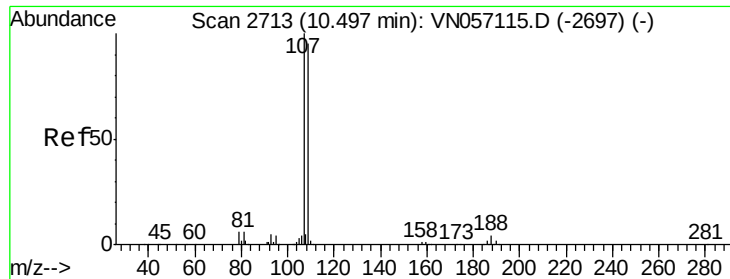
MMDadoda
8/12/2019 3:41:28 PM



#60
Dibromochloromethane
Concen: 20.995 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 129 Resp: 250409
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





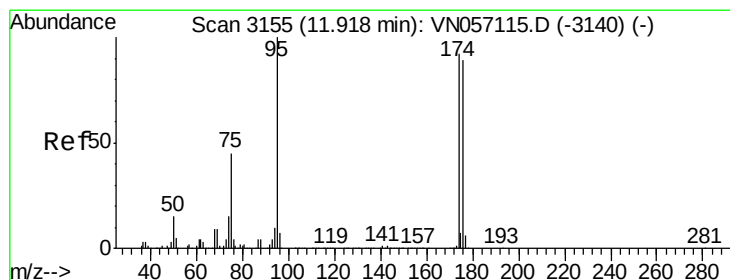
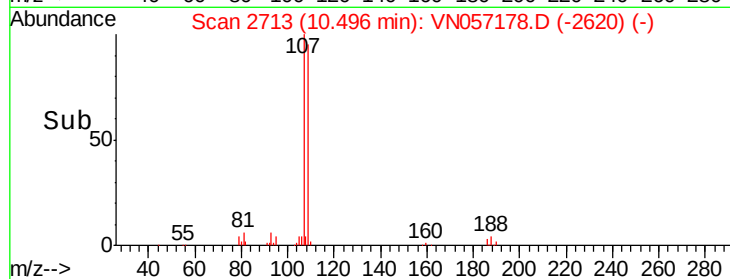
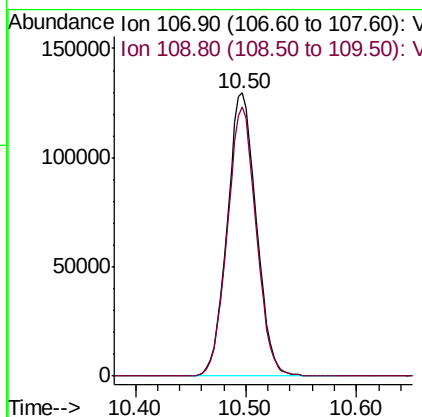
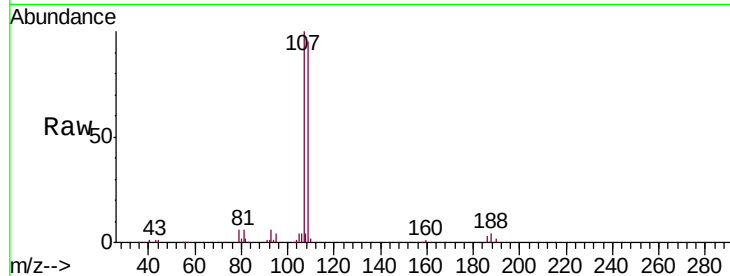
#61
1,2-Dibromoethane
Concen: 20.238 ug/l
RT: 10.50 min Scan# 2713
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	237170		
109	94.3	75.6	113.4	

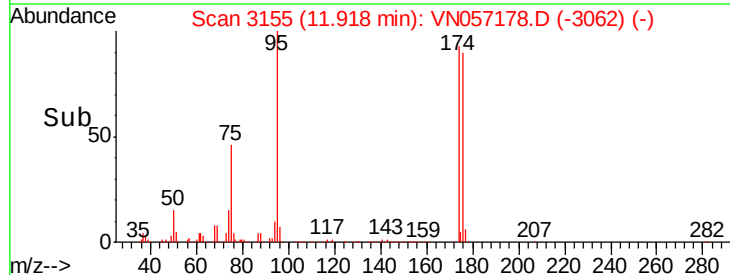
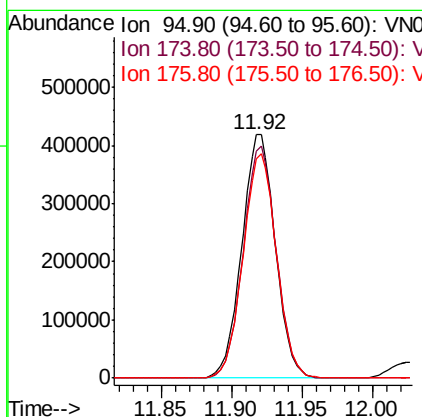
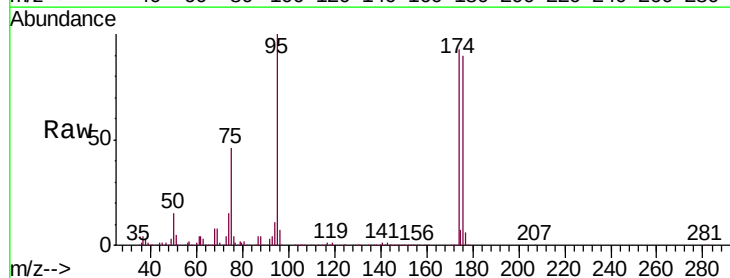
Manual Integrations
APPROVED

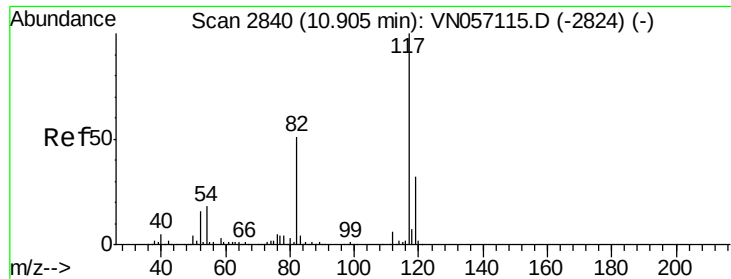
MMDadoda
8/12/2019 3:41:28 PM



#62
4-Bromofluorobenzene
Concen: 50.363 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	695407		
174	94.3	0.0	185.0	
176	92.2	0.0	181.2	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion:117 Resp: 1567131

Ion Ratio Lower Upper

117 100

82 52.1 40.8 61.2

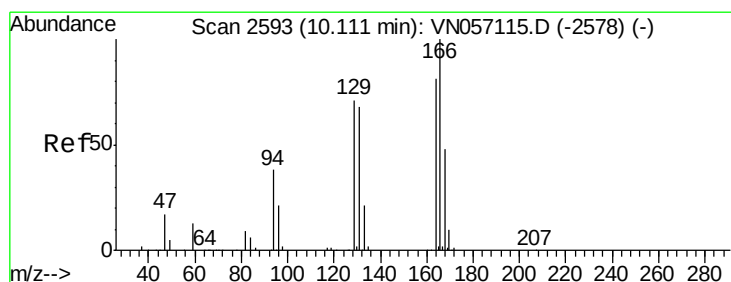
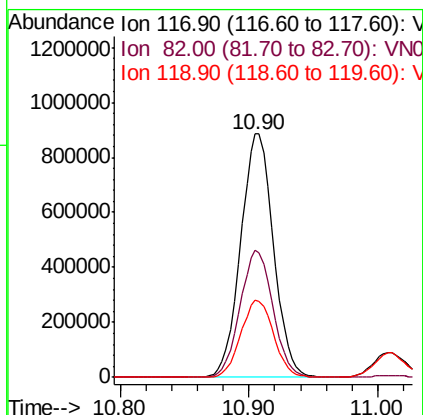
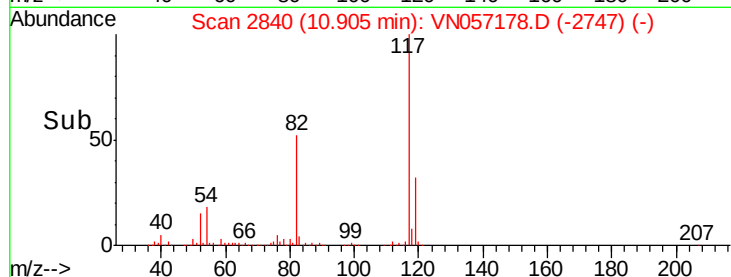
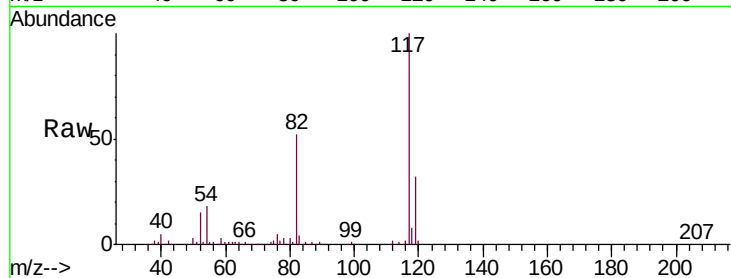
119 31.6 25.7 38.5

Manual Integrations

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#64

Tetrachloroethene

Concen: 20.495 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:164 Resp: 267114

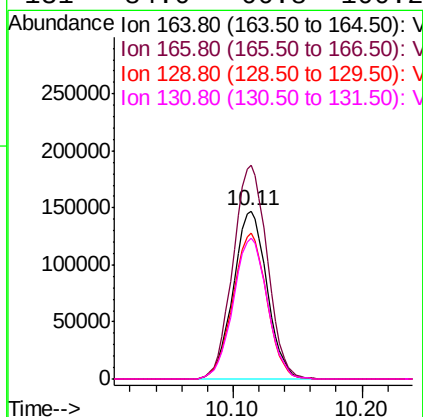
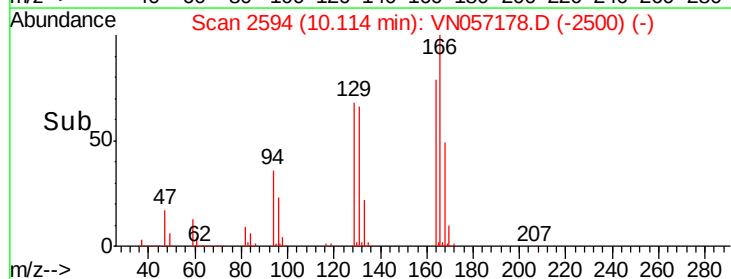
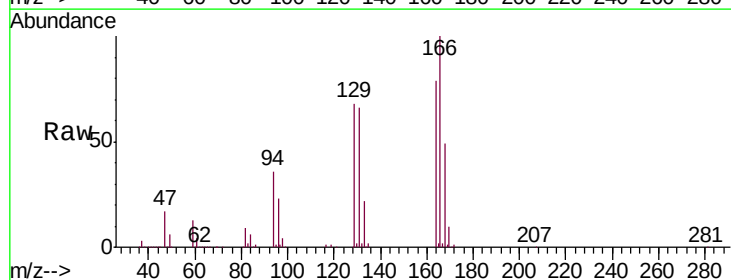
Ion Ratio Lower Upper

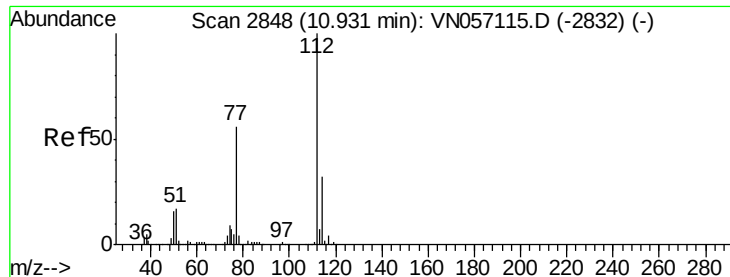
164 100

166 126.9 98.3 147.5

129 86.5 69.8 104.6

131 84.0 66.8 100.2





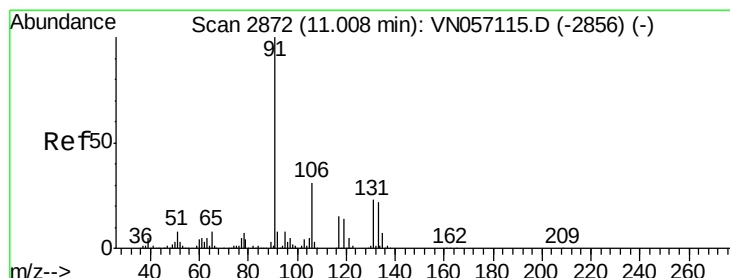
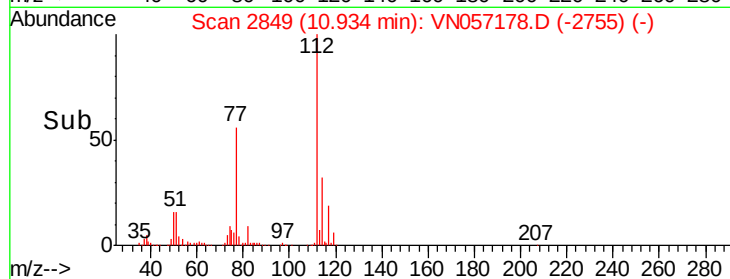
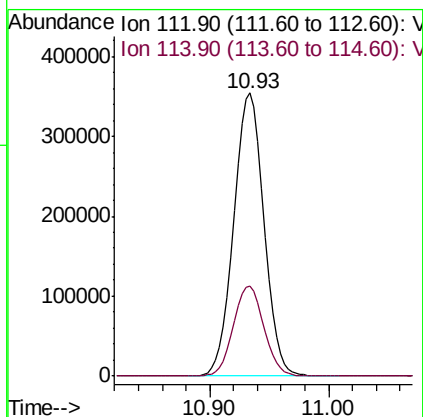
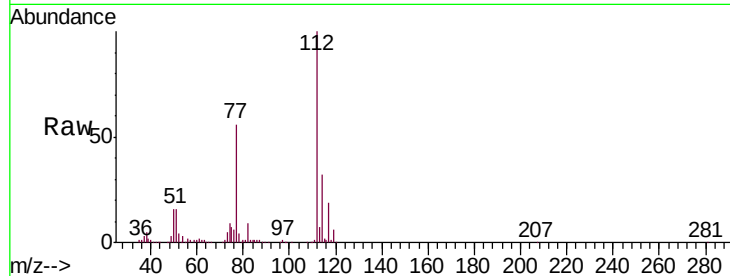
#65
Chlorobenzene
Concen: 19.733 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion:112 Resp: 622231
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

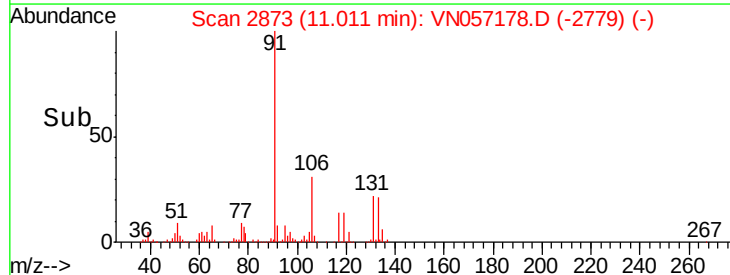
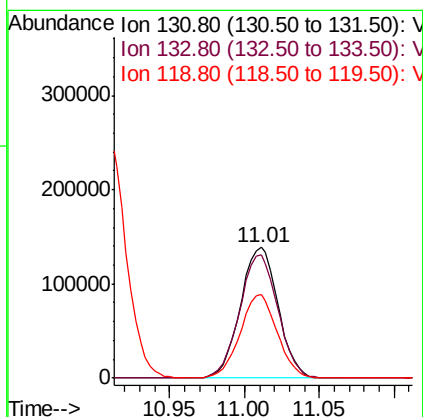
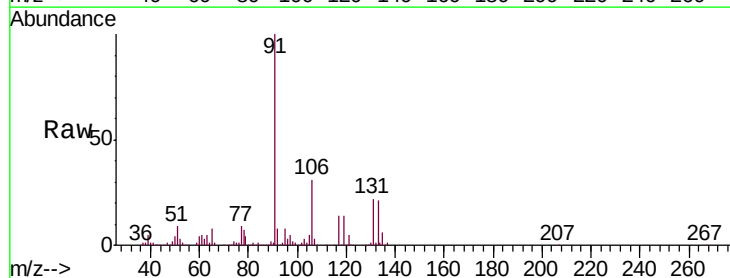
Manual Integrations
APPROVED

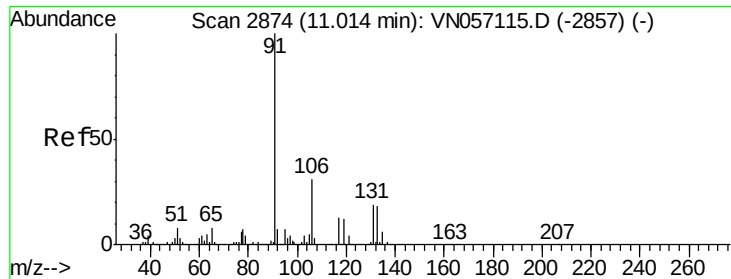
MMDadoda
8/12/2019 3:41:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.673 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion:131 Resp: 243708
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 63.2 32.6 97.7





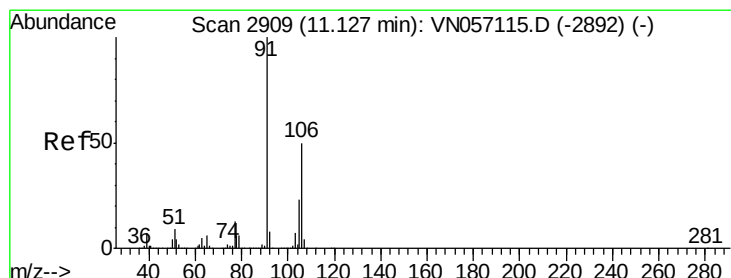
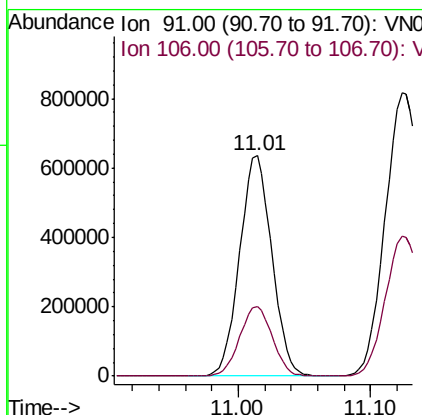
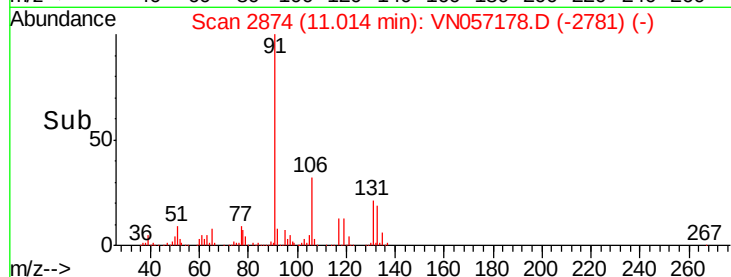
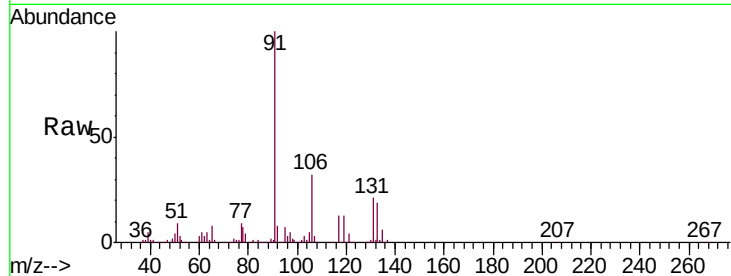
#67
Ethyl Benzene
Concen: 19.733 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion: 91 Resp: 1070922
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

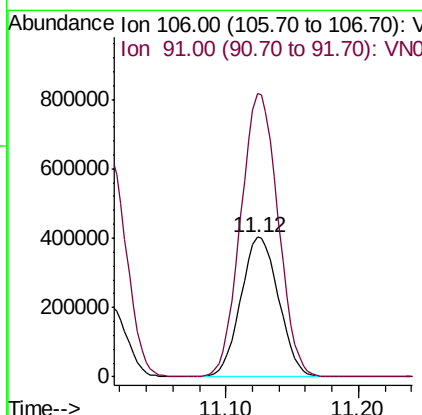
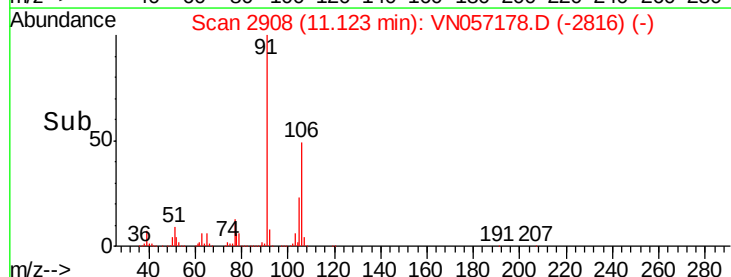
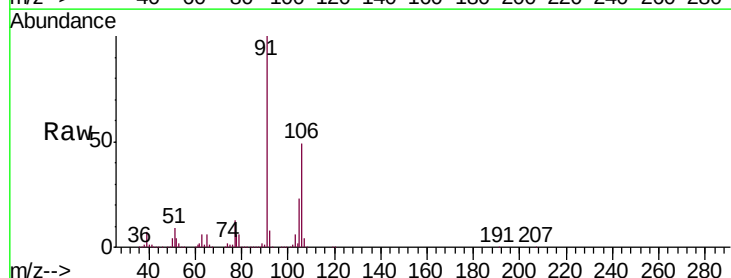
Manual Integrations
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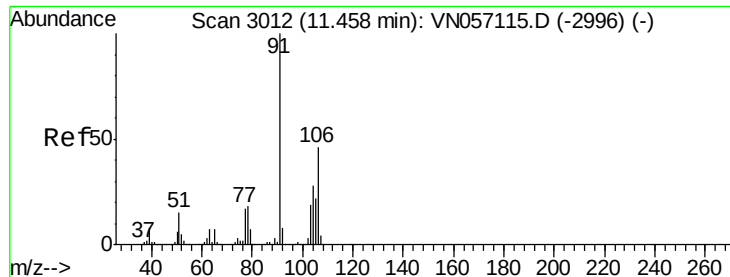
MMDadoda
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#68
m/p-Xylenes
Concen: 40.086 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 106 Resp: 801454
Ion Ratio Lower Upper
106 100
91 200.1 159.8 239.8





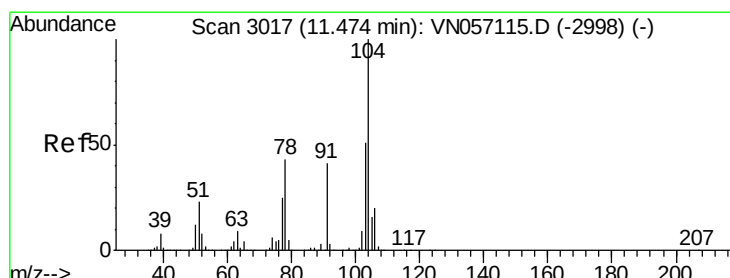
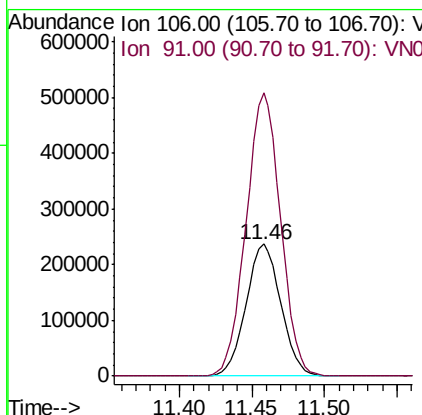
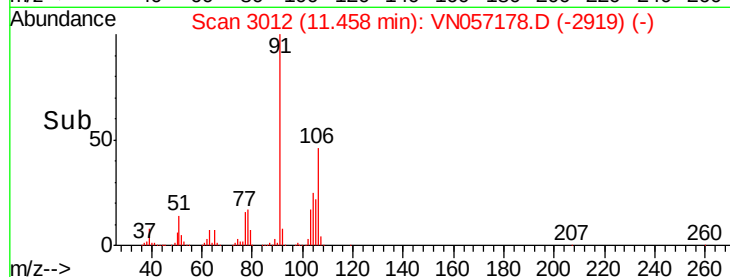
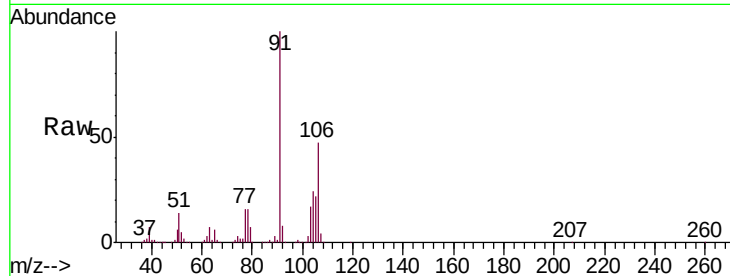
#69
o-Xylene
Concen: 19.924 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	106.8	320.5

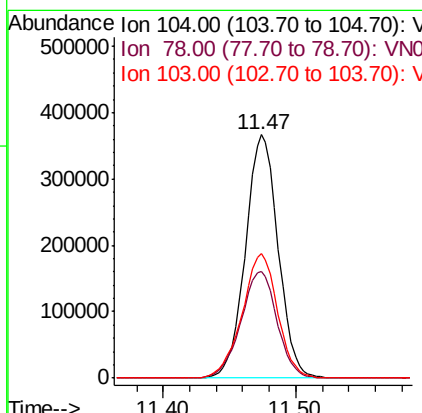
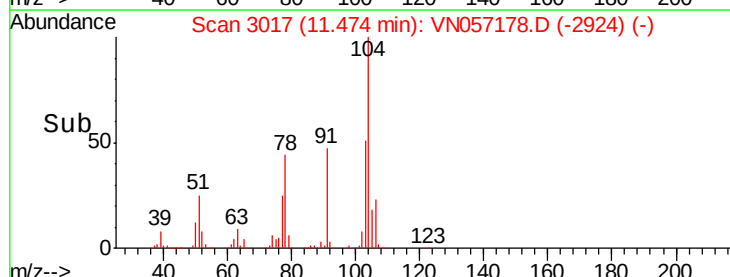
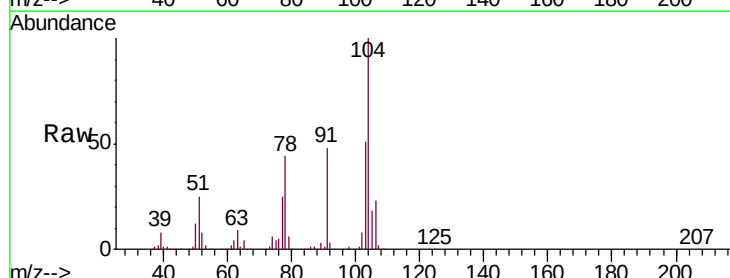
Manual Integrations
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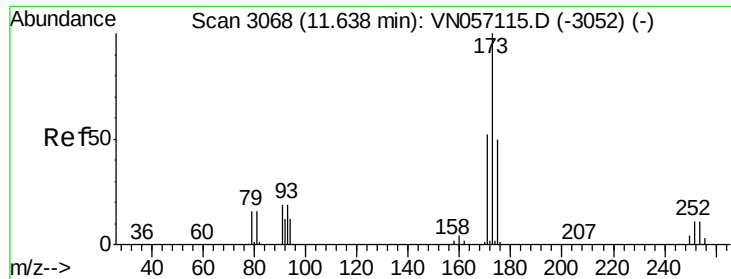
MMDadoda
8/12/2019 3:41:28 PM



#70
Styrene
Concen: 20.118 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.5	57.7
103	55.6	44.6	66.8





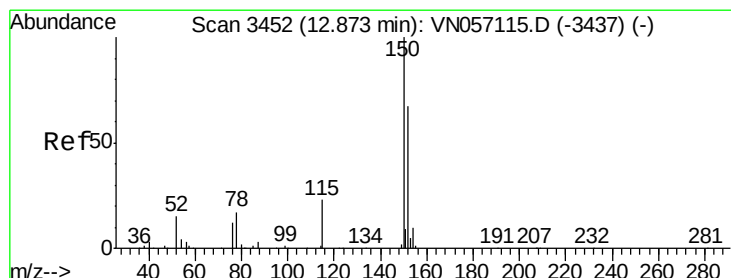
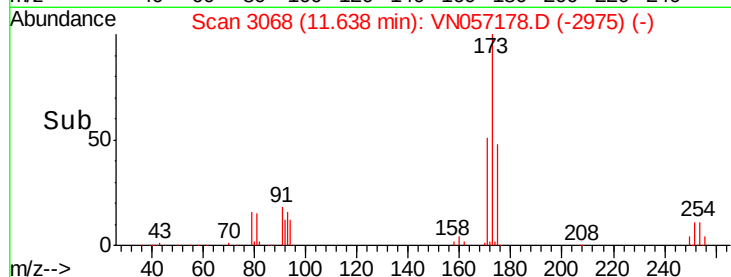
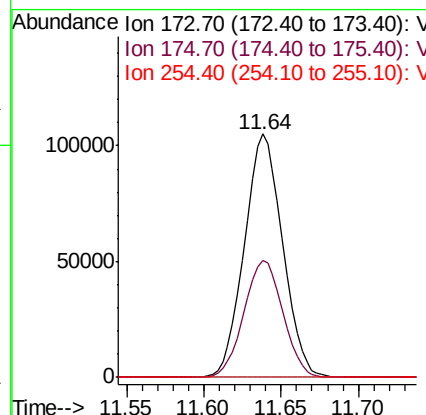
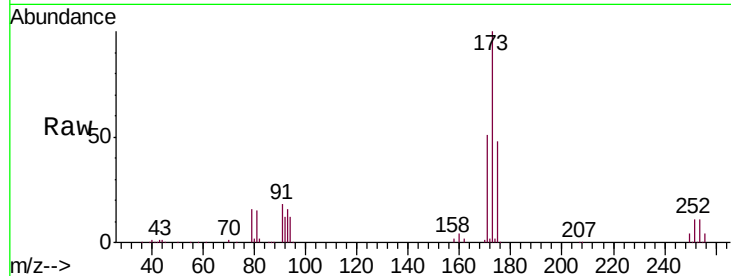
#71
Bromoform
Concen: 20.922 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0811WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.0	0.1	0.1#

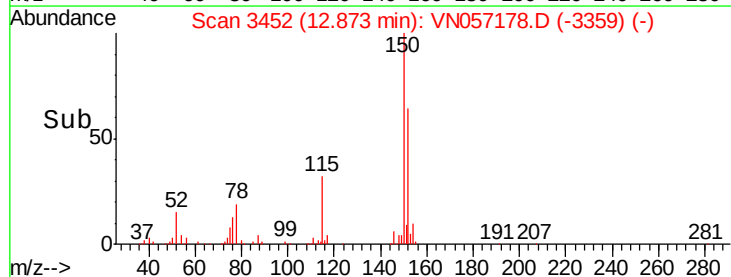
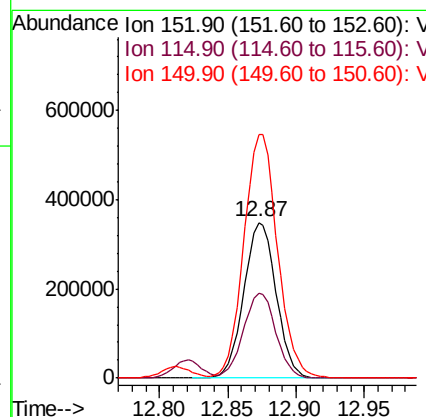
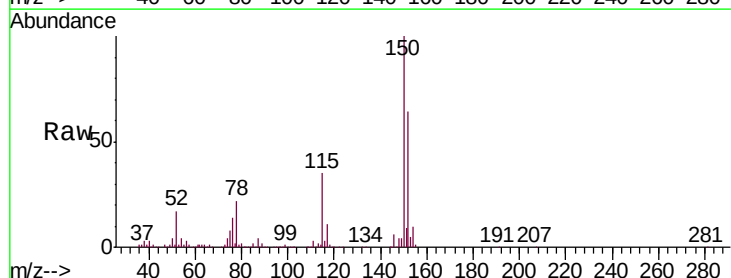
Manual Integrations
APPROVED

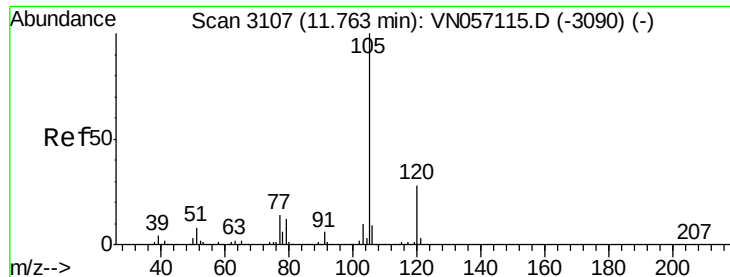
MMDadoda
8/12/2019 3:41:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.5
150	163.3	0.0	341.6





#73

Isopropylbenzene

Concen: 21.036 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion: 105 Resp: 1054372

Ion Ratio Lower Upper

105 100

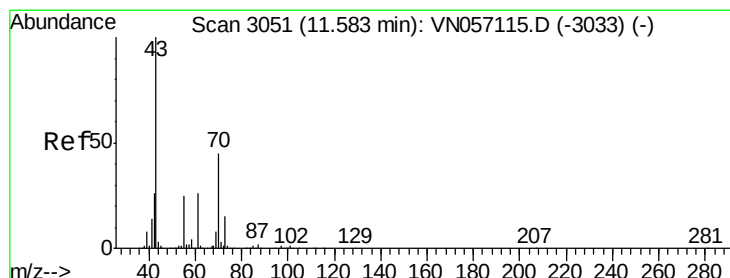
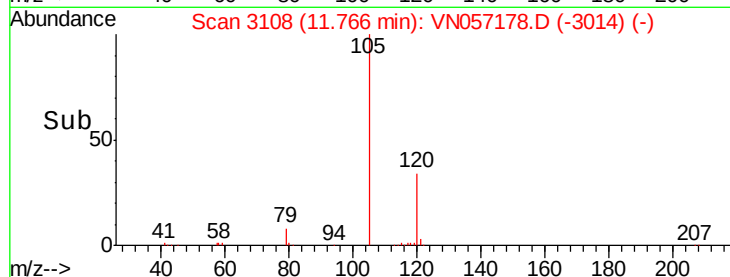
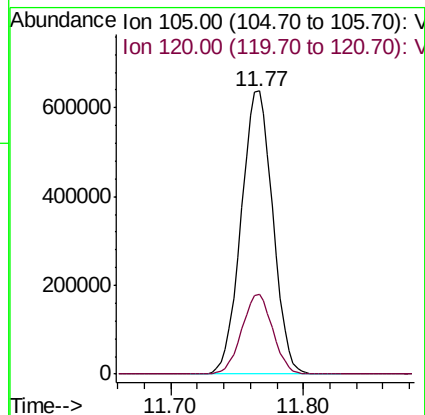
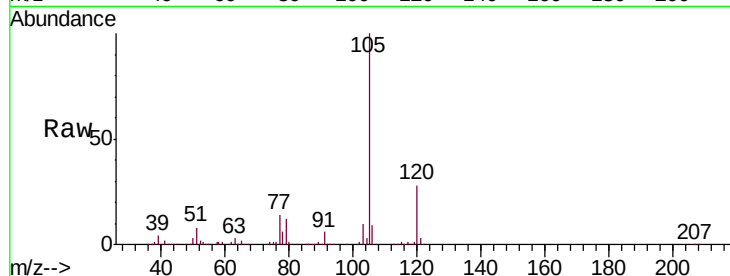
120 27.6 13.7 41.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.562 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion: 43 Resp: 284385

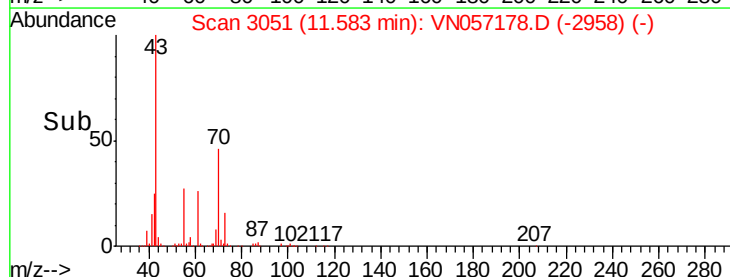
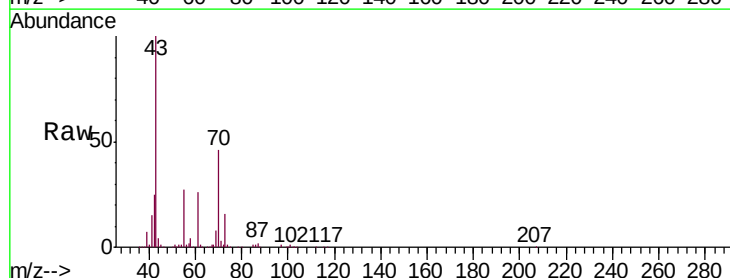
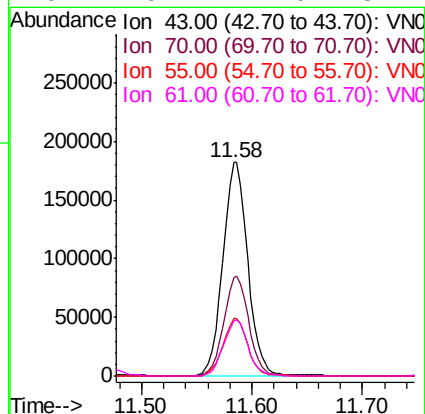
Ion Ratio Lower Upper

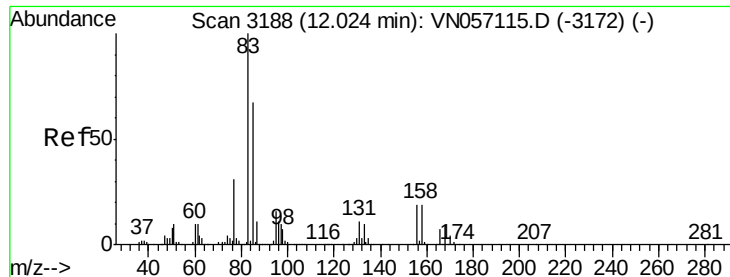
43 100

70 46.8 36.8 55.2

55 26.9 20.6 31.0

61 26.1 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.788 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

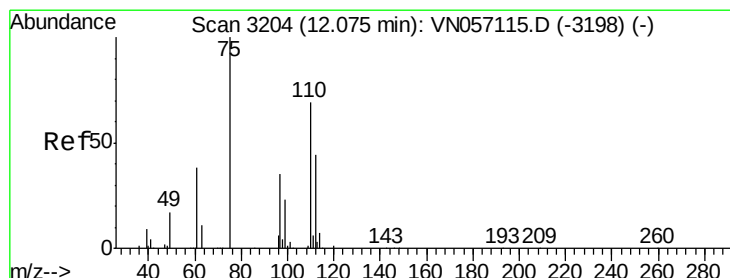
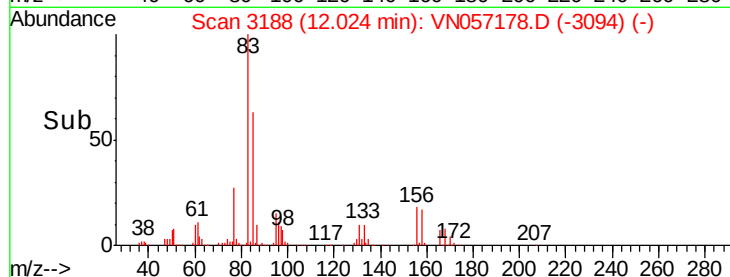
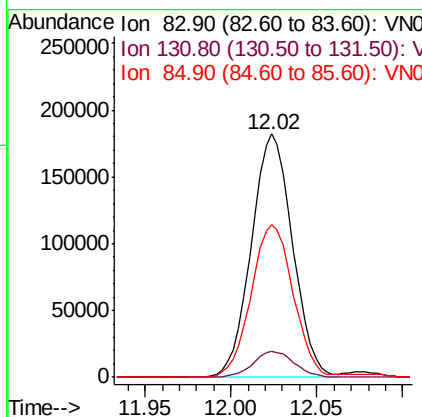
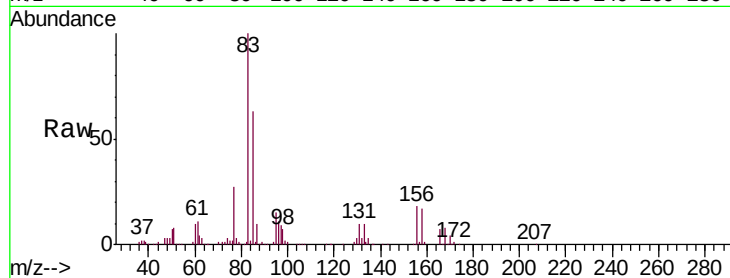
ClientSampleId :

VN0811WBS01

Tgt Ion:	83	Resp:	302359
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	64.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.865 ug/l m

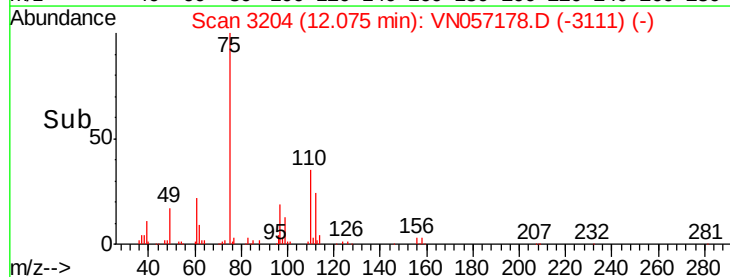
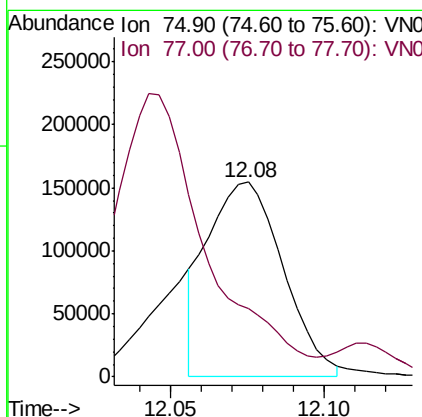
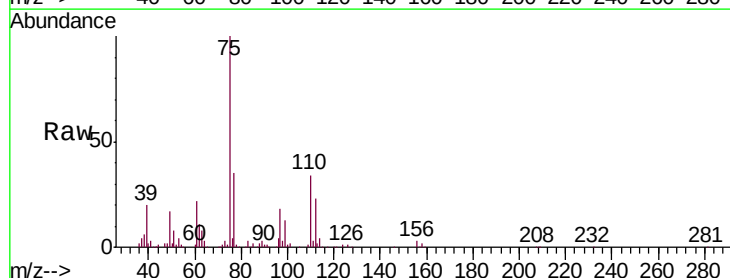
RT: 12.08 min Scan# 3204

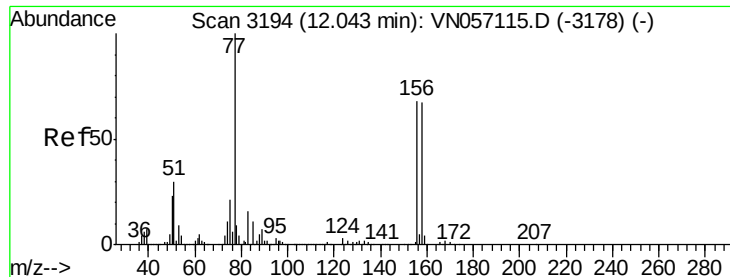
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	75	Resp:	263518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.737 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

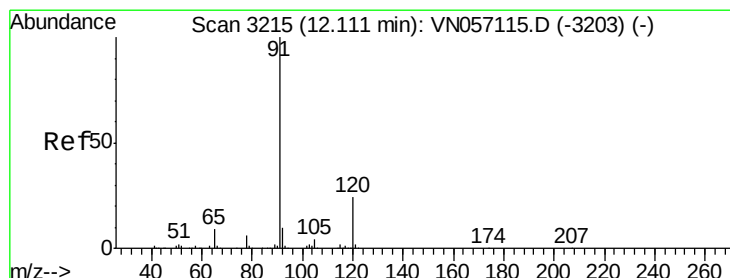
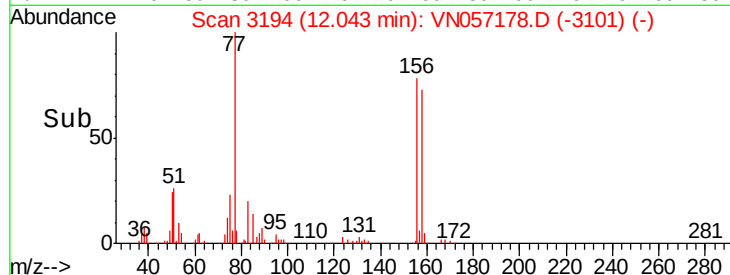
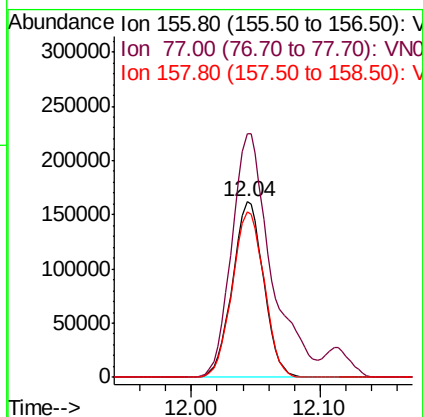
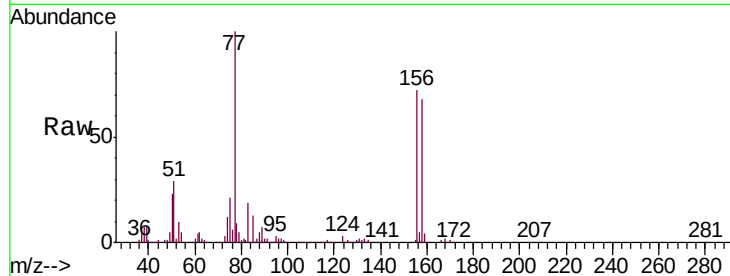
ClientSampleId :

VN0811WBS01

Tgt Ion:	156	Resp:	272168
Ion Ratio	Lower	Upper	
156	100		
77	175.1	88.7	266.1
158	96.7	49.3	147.8

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#78

n-propylbenzene

Concen: 19.531 ug/l

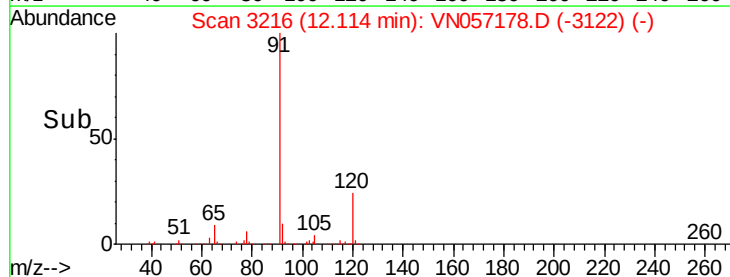
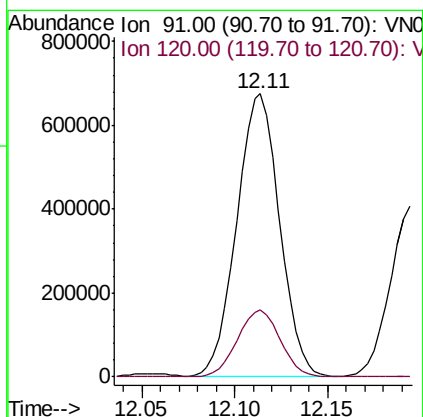
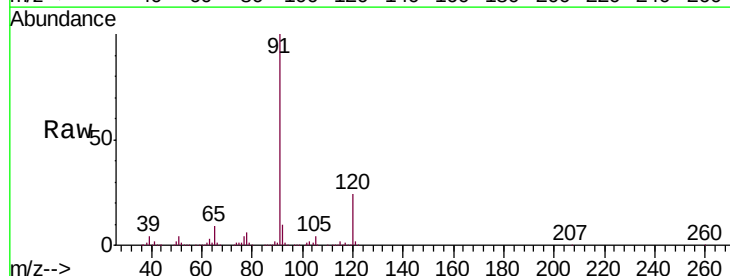
RT: 12.11 min Scan# 3216

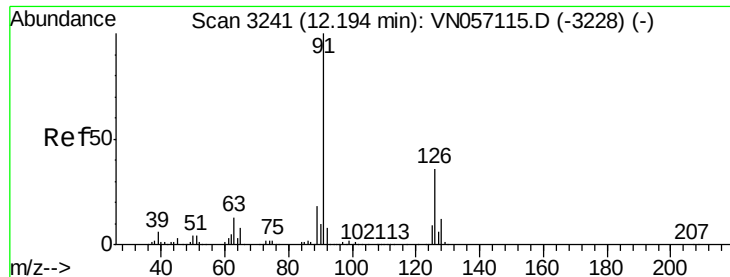
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	91	Resp:	1074933
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





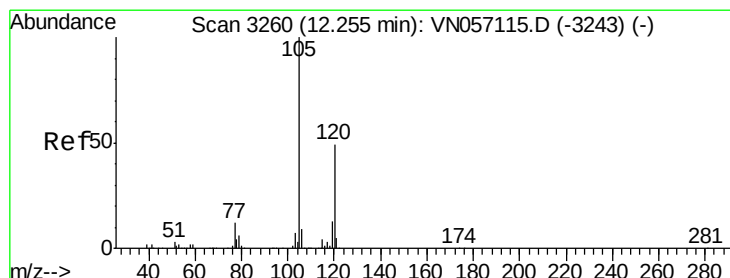
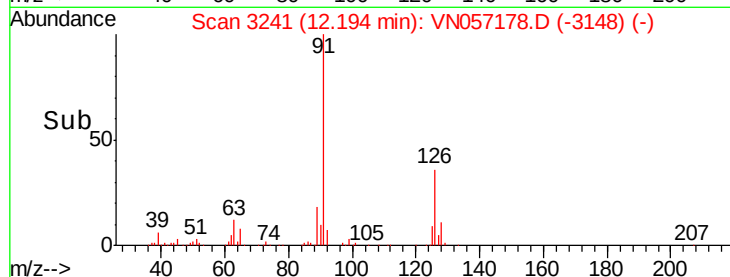
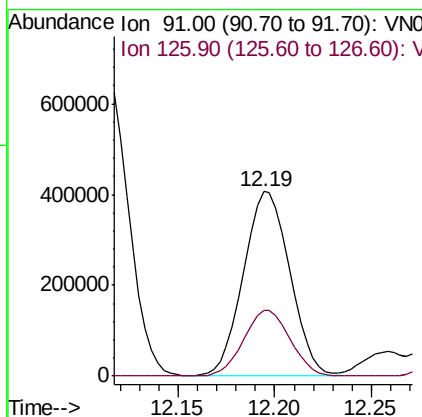
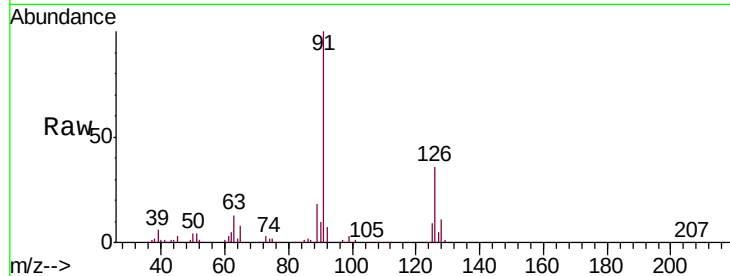
#79
 2-Chlorotoluene
 Concen: 20.940 ug/l
 RT: 12.19 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion: 91 Resp: 676787
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.1 54.3

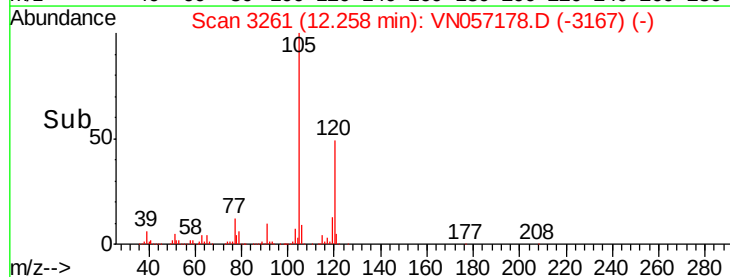
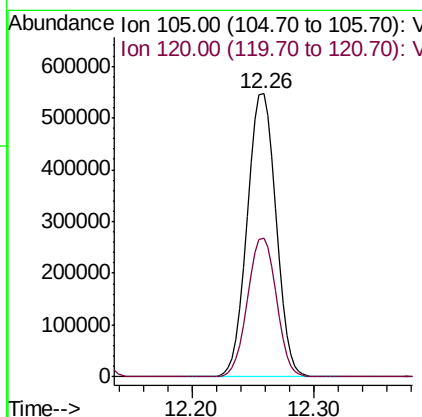
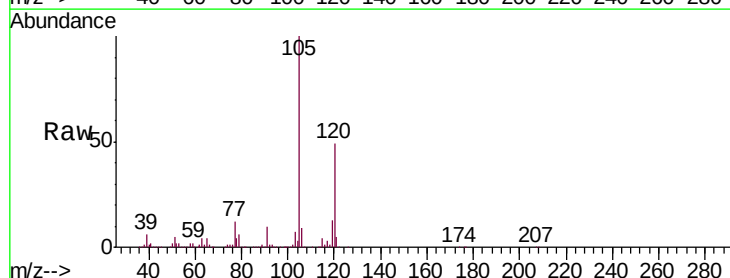
Manual Integrations
 APPROVED

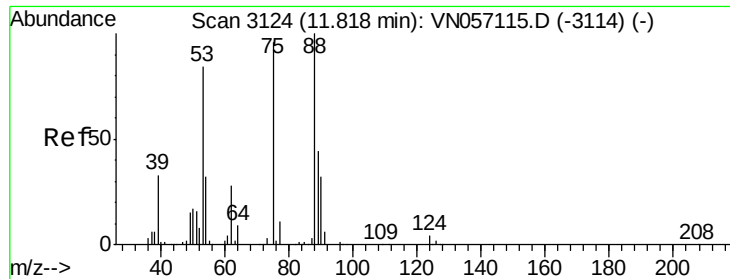
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.008 ug/l
 RT: 12.26 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 105 Resp: 886190
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.606 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

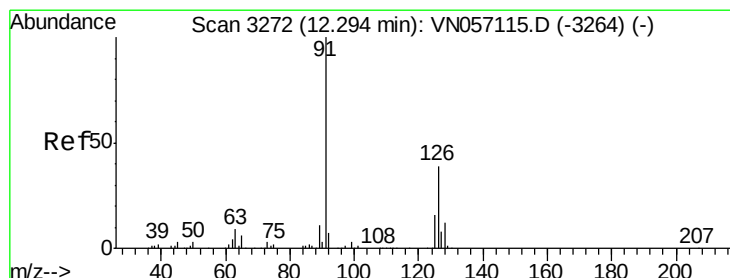
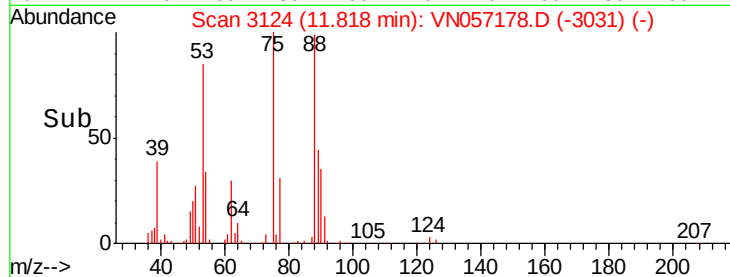
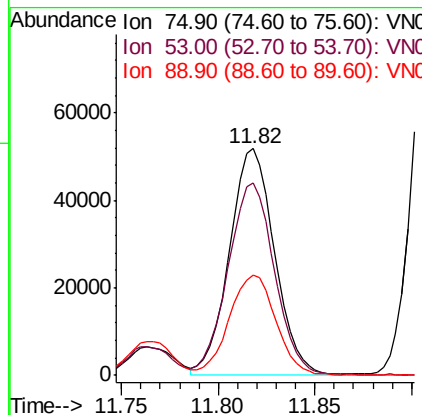
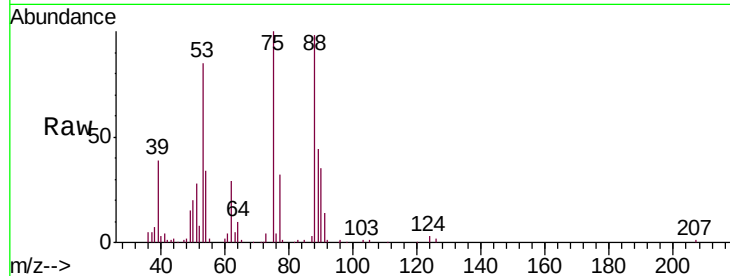
ClientSampleId :

VN0811WBS01

Tgt Ion:	75	Resp:	84303
Ion	Ratio	Lower	Upper
75	100		
53	87.7	70.6	106.0
89	45.4	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.691 ug/l

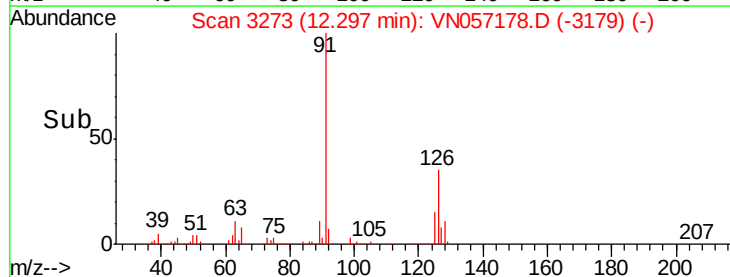
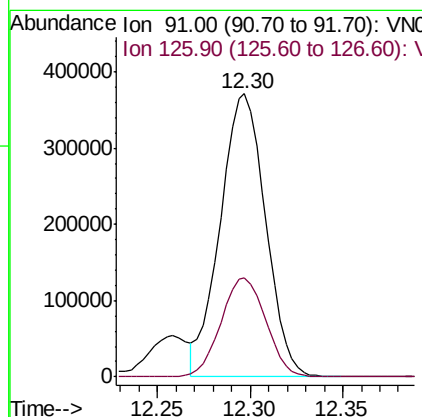
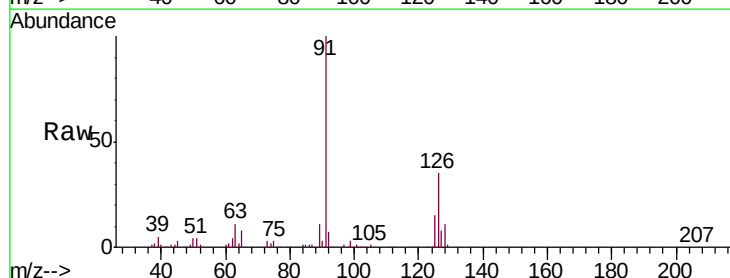
RT: 12.30 min Scan# 3273

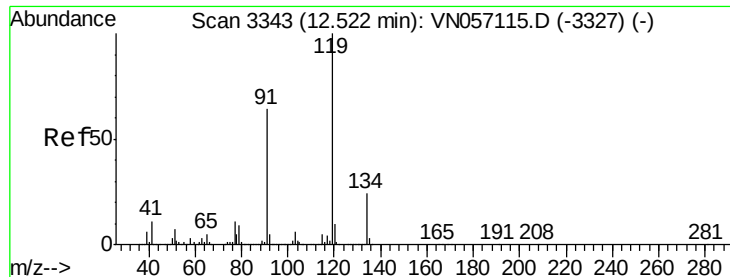
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	91	Resp:	627512
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.7





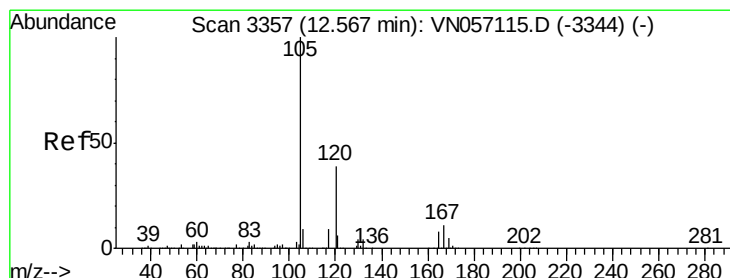
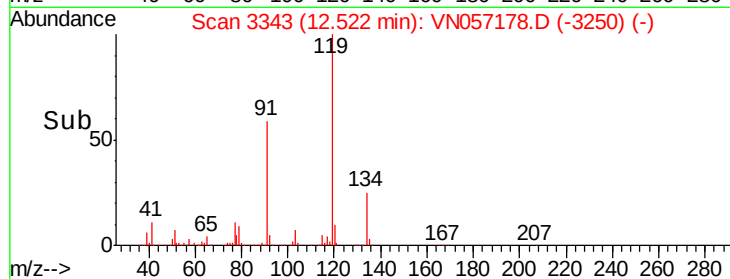
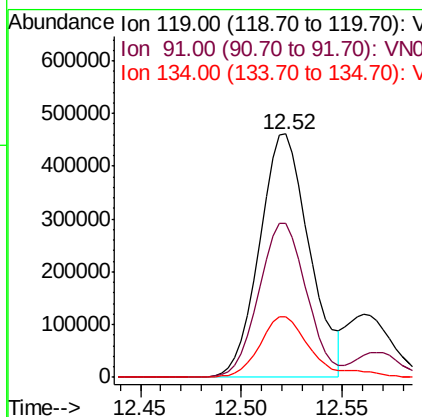
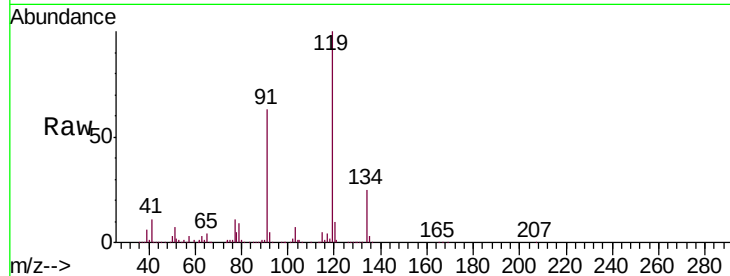
#83
 tert-Butylbenzene
 Concen: 21.481 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	791596		
91	61.4	31.4	94.2	
134	24.2	13.2	39.6	

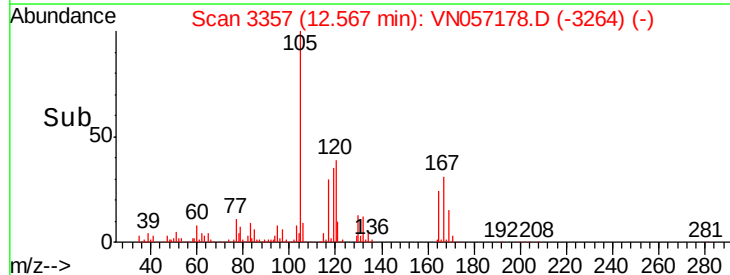
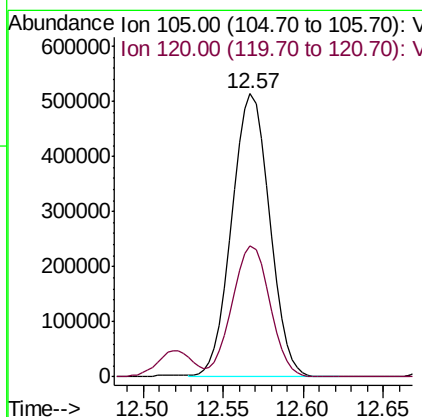
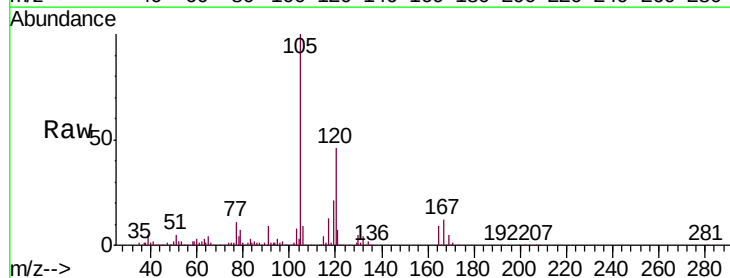
Manual Integrations
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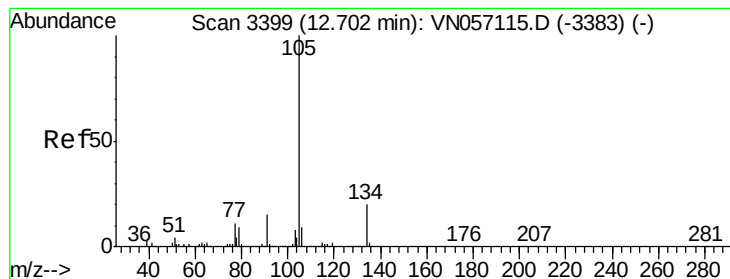
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.298 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	826177		
120	46.4	23.3	69.8	





#85

sec-Butylbenzene

Concen: 19.074 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

Tgt Ion:105 Resp: 953401

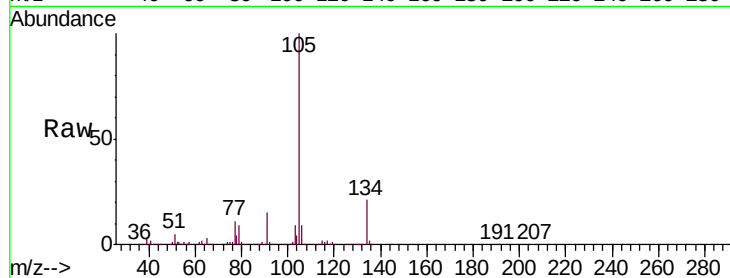
Ion Ratio Lower Upper

105 100

134 21.0 10.2 30.4

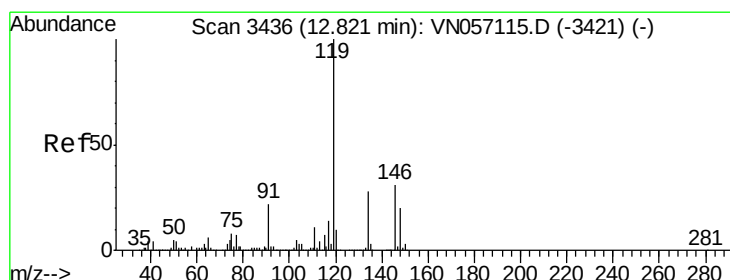
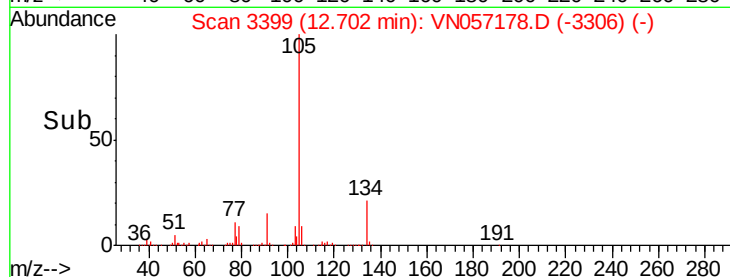
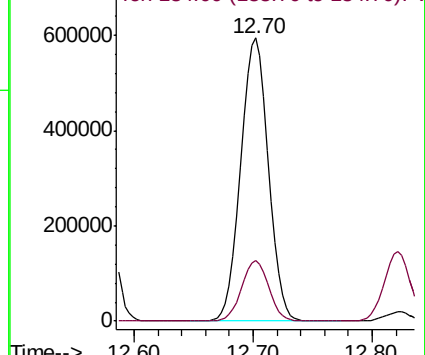
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.088 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

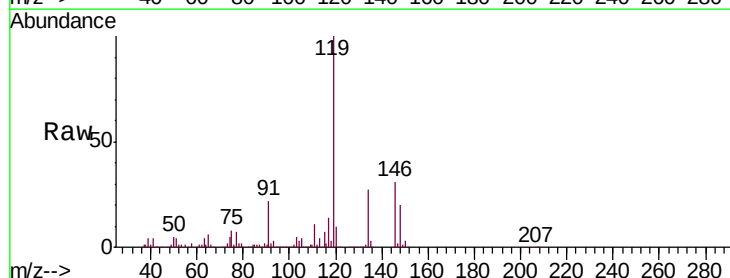
Tgt Ion:119 Resp: 837167

Ion Ratio Lower Upper

119 100

134 26.8 13.8 41.3

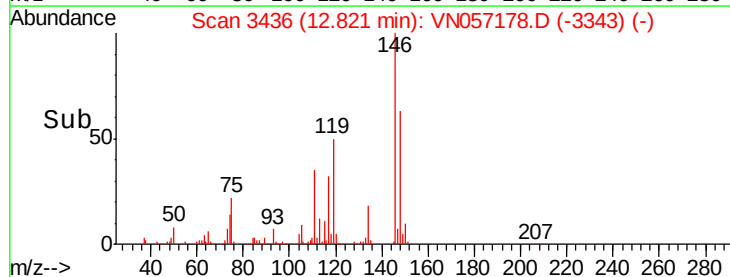
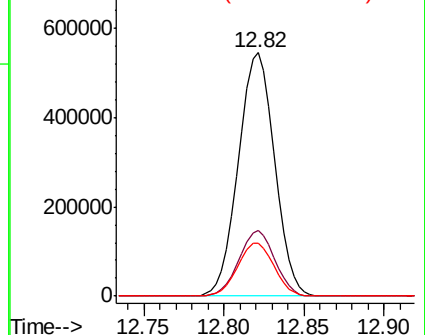
91 21.9 11.0 33.0

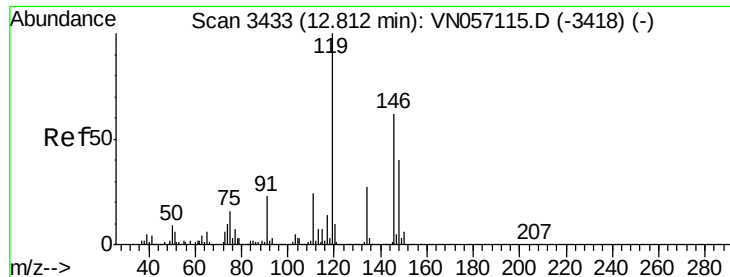


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





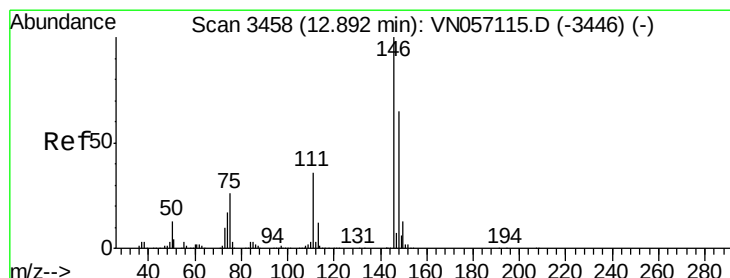
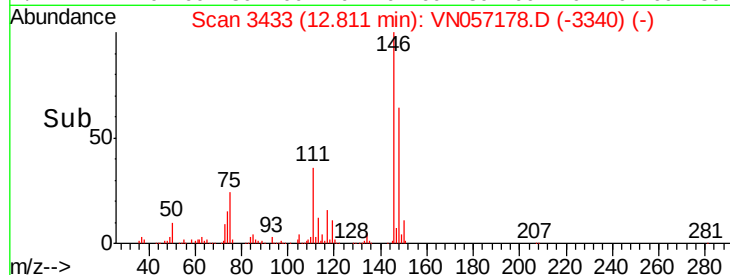
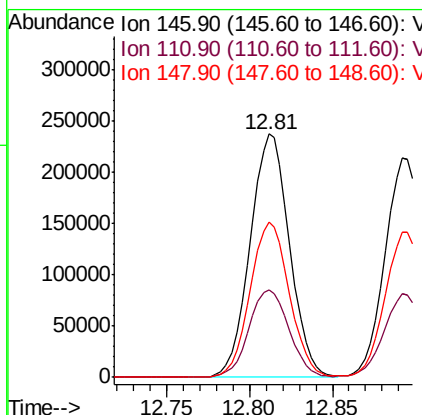
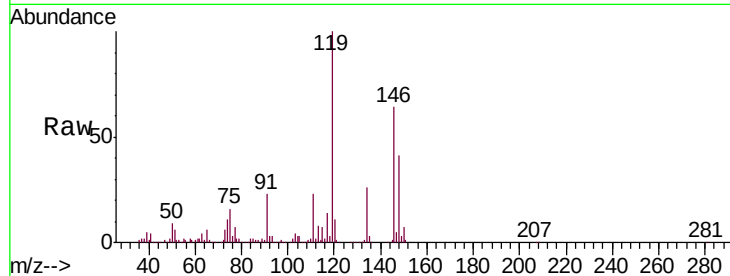
#87
 1,3-Dichlorobenzene
 Concen: 19.960 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	391852		
111	36.6	18.8	56.4	
148	63.5	32.4	97.0	

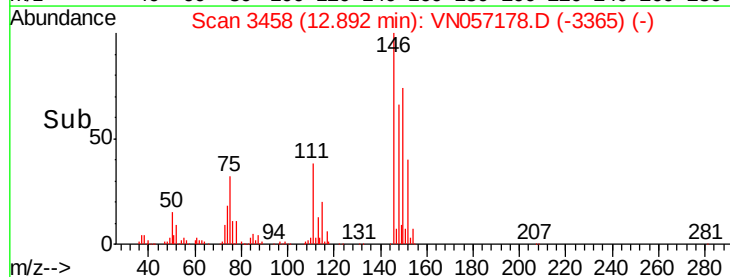
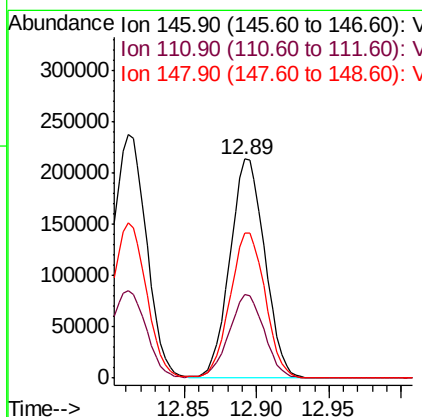
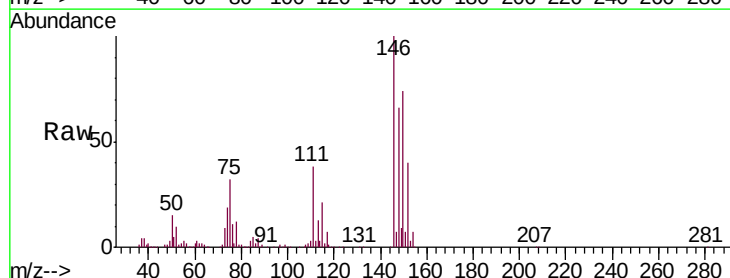
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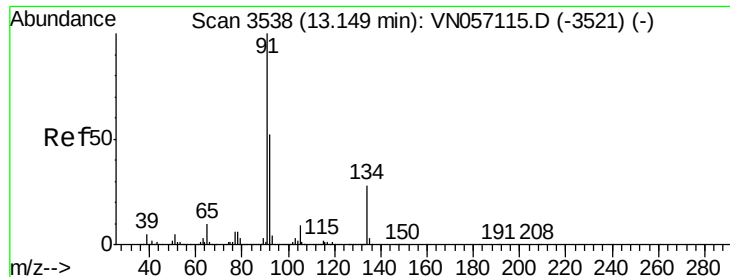
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#88
 1,4-Dichlorobenzene
 Concen: 19.189 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	356929		
111	38.4	18.2	54.6	
148	66.7	32.0	96.2	





#89

n-Butylbenzene

Concen: 19.777 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

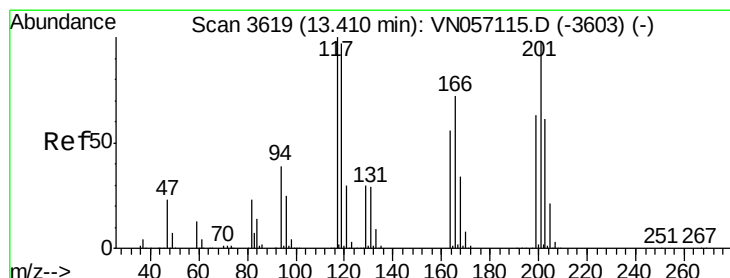
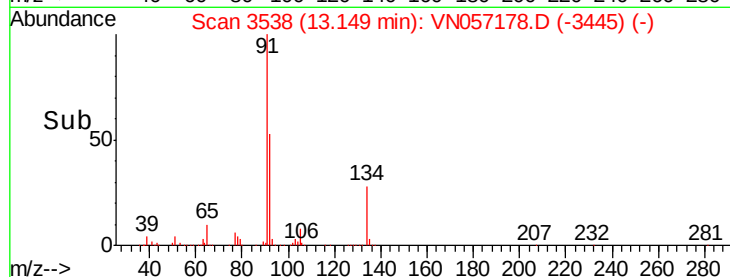
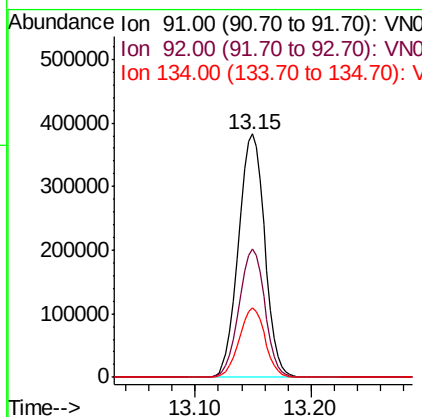
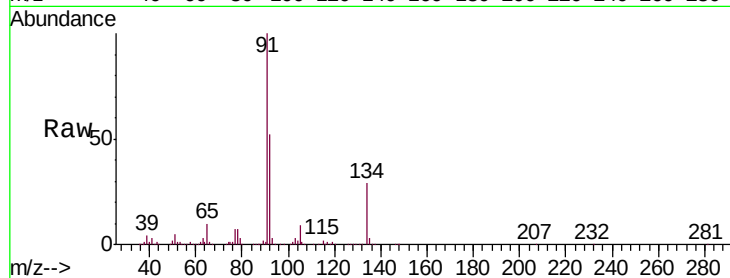
ClientSampled :

VN0811WBS01

Tgt Ion:	91	Resp:	599287
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.5	79.4
134	27.9	14.1	42.3

Manual Integrations
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#90

Hexachloroethane

Concen: 21.513 ug/l

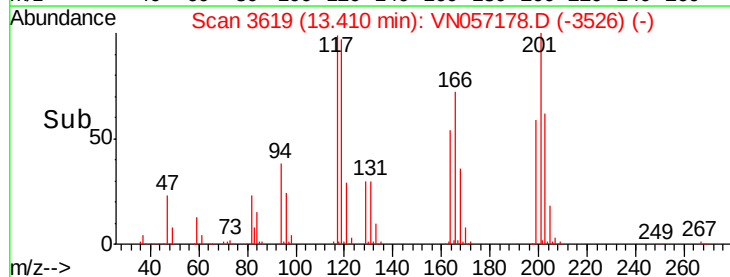
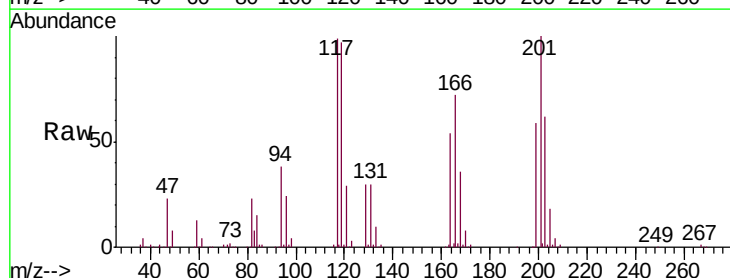
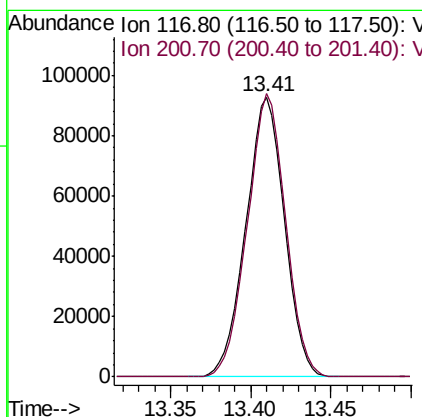
RT: 13.41 min Scan# 3619

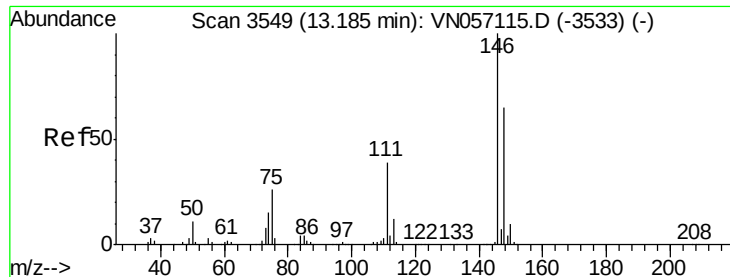
Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion:	117	Resp:	153806
Ion Ratio	Lower	Upper	
117	100		
201	100.2	49.3	147.8





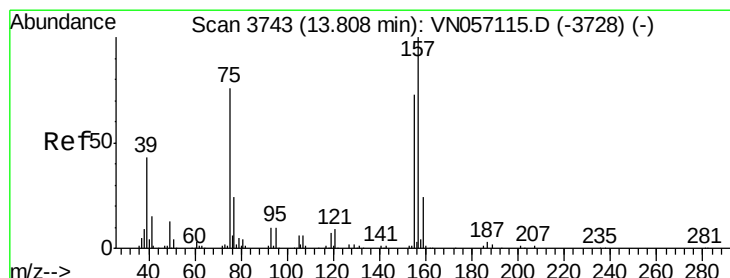
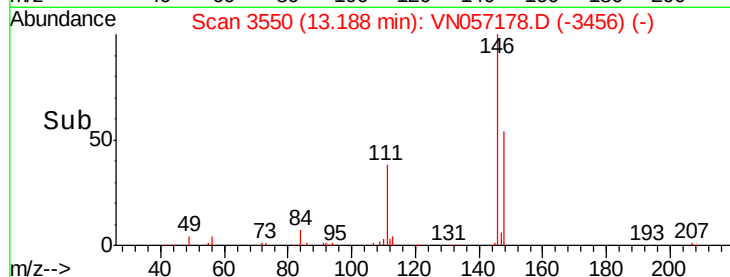
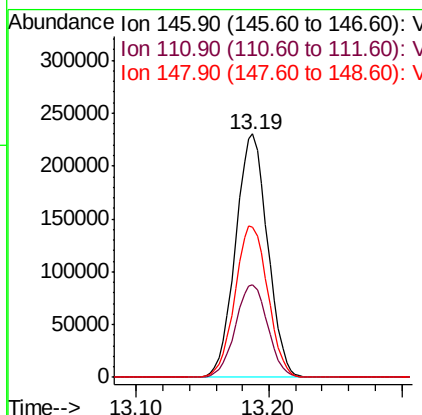
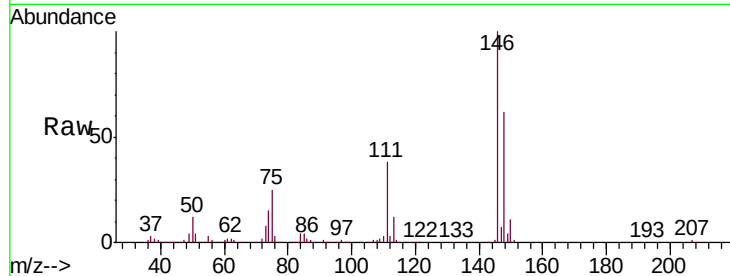
#91
 1,2-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	385913		
111	38.6	19.2	57.6	
148	63.7	32.4	97.0	

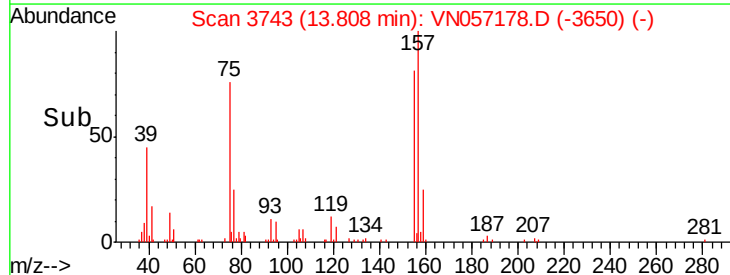
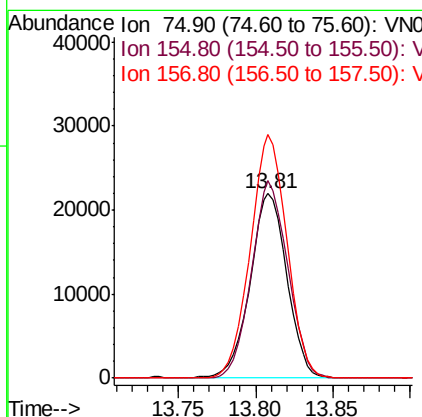
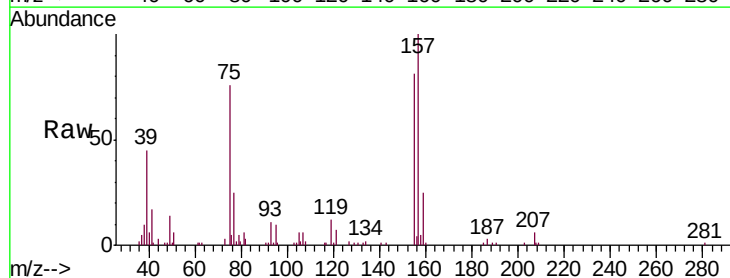
Manual Integrations
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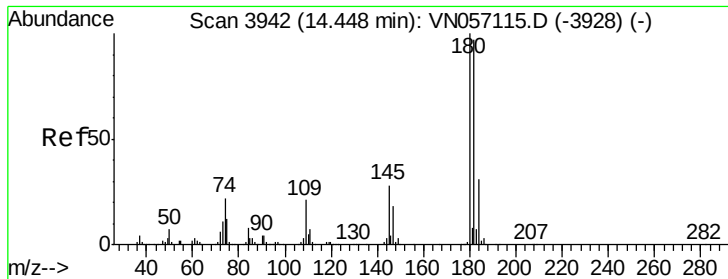
MMDadoda
 8/12/2019 3:41:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.066 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36433		
155	105.4	49.3	147.9	
157	131.2	65.3	195.8	





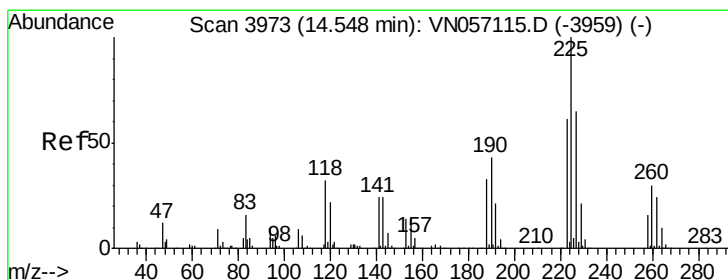
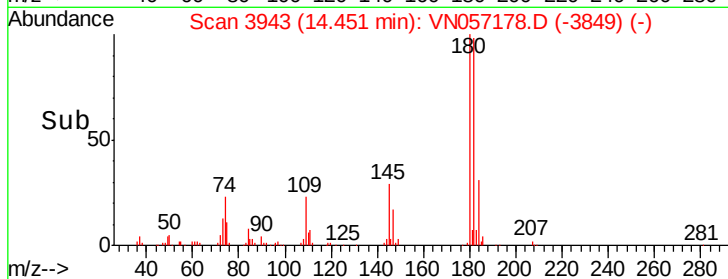
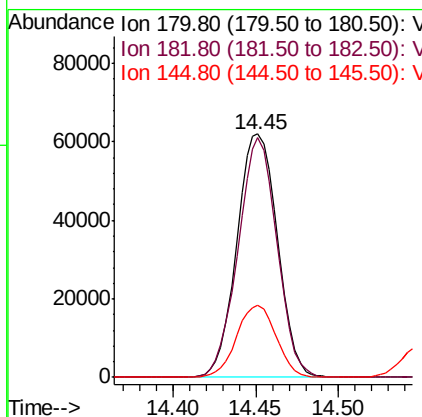
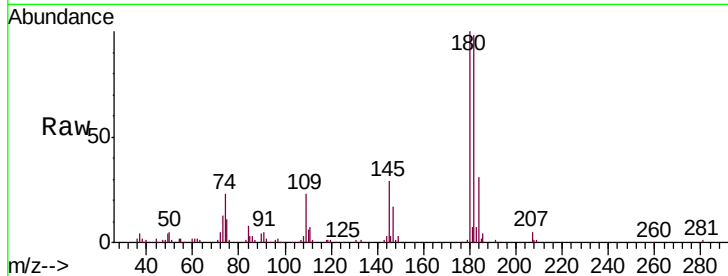
#93
 1,2,4-Trichlorobenzene
 Concen: 17.145 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105794		
182	94.3	47.5	142.6	
145	28.9	14.1	42.2	

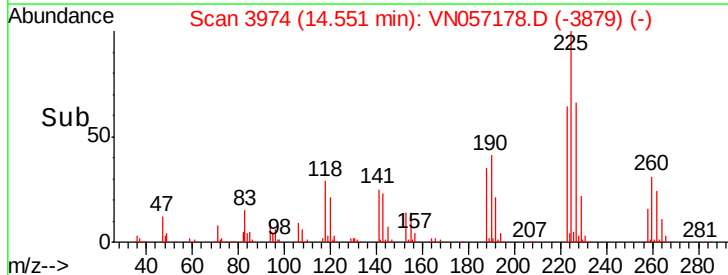
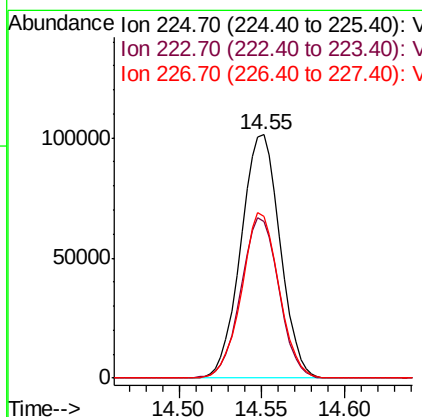
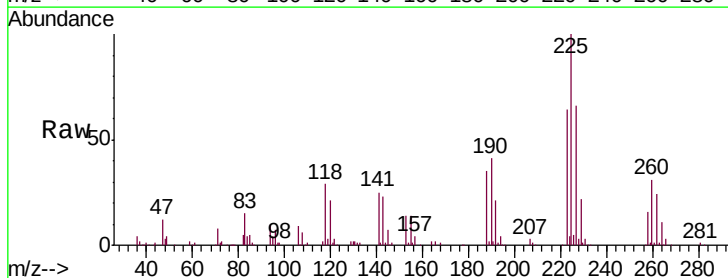
Manual Integrations
 APPROVED

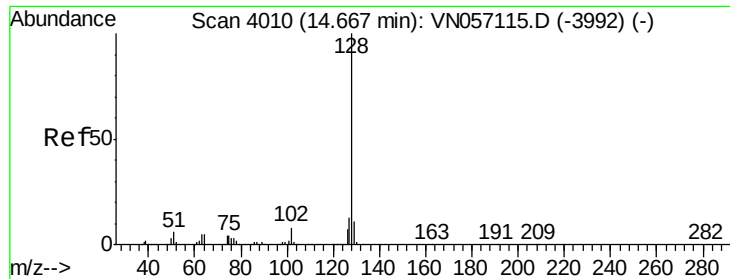
MMDadoda
 8/12/2019 3:41:28 PM



#94
 Hexachlorobutadiene
 Concen: 22.232 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166420		
223	63.9	30.9	92.8	
227	64.7	32.4	97.0	





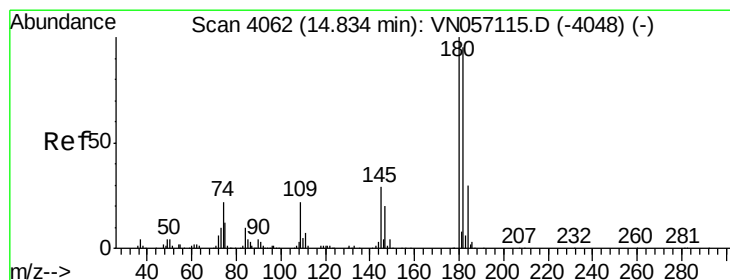
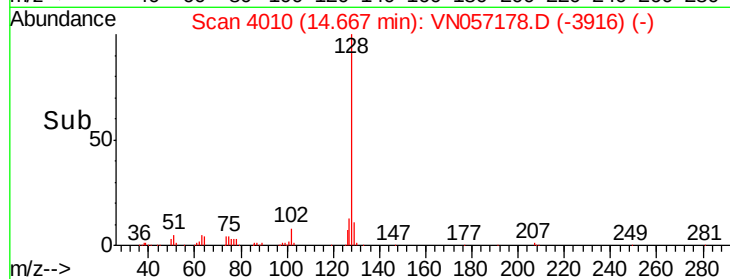
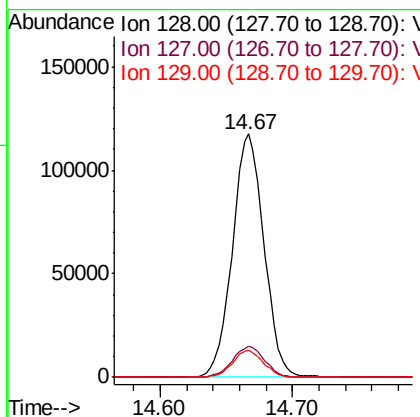
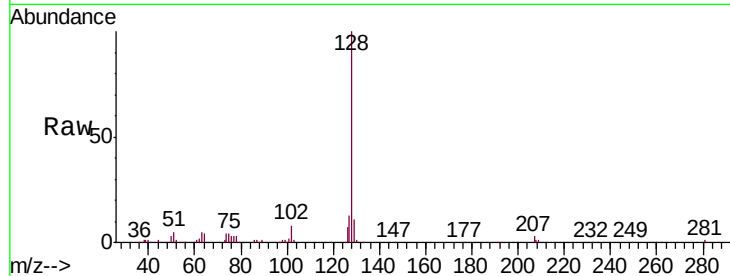
#95
Naphthalene
Concen: 15.330 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	194299		
127	12.9	10.3	15.5	
129	10.9	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.585 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105492		
182	97.3	48.3	144.8	
145	30.7	14.9	44.5	

