

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056283.D
 Acq On : 13 Jun 2019 15:55
 Operator : JC/SP
 Sample : VN0613WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:37:27 AM

Quant Time: Jun 14 08:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	328146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	515978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	171880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	183705	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.59	113	164366	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.09	98	606254	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	197449	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72400	20.295	ug/l	100
3) Chloromethane	2.06	50	77947	21.913	ug/l	100
4) Vinyl Chloride	2.18	62	78175	21.909	ug/l	98
5) Bromomethane	2.55	94	27101	12.024	ug/l	97
6) Chloroethane	2.69	64	46067	22.268	ug/l	99
7) Trichlorofluoromethane	3.01	101	99379	21.817	ug/l	100
8) Diethyl Ether	3.41	74	41566	22.190	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	63107	22.807	ug/l	97
10) Methyl Iodide	3.94	142	29047	6.606	ug/l	99
11) Tert butyl alcohol	4.81	59	57817	101.970	ug/l	96
12) 1,1-Dichloroethene	3.72	96	59747	21.689	ug/l	97
13) Acrolein	3.60	56	9804	59.953	ug/l	97
14) Allyl chloride	4.32	41	96742	22.240	ug/l	98
15) Acrylonitrile	4.99	53	175102	126.864	ug/l	100
16) Acetone	3.82	43	153732	98.654	ug/l	99
17) Carbon Disulfide	4.04	76	126214	19.135	ug/l	98
18) Methyl Acetate	4.33	43	89289	28.927	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	199637	22.736	ug/l	99
20) Methylene Chloride	4.54	84	70729	22.031	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	62830	21.287	ug/l	97
22) Diisopropyl ether	5.96	45	207791	23.109	ug/l	97
23) Vinyl Acetate	5.90	43	821310	115.986	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120573	23.246	ug/l	99
25) 2-Butanone	6.85	43	231863	117.765	ug/l	99
26) 2,2-Dichloropropane	6.82	77	70929	17.525	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	76987	22.190	ug/l	99
28) Bromochloromethane	7.19	49	59103	24.096	ug/l	97
29) Tetrahydrofuran	7.22	42	156360	128.476	ug/l	98
30) Chloroform	7.37	83	122477	23.473	ug/l	100
31) Cyclohexane	7.65	56	108809	21.046	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	98503	22.607	ug/l	98
36) 1,1-Dichloropropene	7.79	75	85397	19.248	ug/l	99
37) Ethyl Acetate	6.94	43	87829	22.249	ug/l	99
38) Carbon Tetrachloride	7.77	117	82814	20.246	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056283.D
 Acq On : 13 Jun 2019 15:55
 Operator : JC/SP
 Sample : VN0613WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:37:27 AM

Quant Time: Jun 14 08:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102987	18.634	ug/l	99
40) Benzene	8.04	78	275444	20.441	ug/l	100
41) Methacrylonitrile	7.18	41	40420	22.254	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	92513	21.343	ug/l	100
43) Isopropyl Acetate	8.17	43	135169	21.130	ug/l	98
44) Trichloroethene	8.83	130	74946	19.355	ug/l	96
45) 1,2-Dichloropropane	9.12	63	74945	21.713	ug/l	98
46) Dibromomethane	9.21	93	48307	21.402	ug/l	98
47) Bromodichloromethane	9.40	83	90885	22.217	ug/l	100
48) Methyl methacrylate	9.20	41	69738	22.284	ug/l	98
49) 1,4-Dioxane	9.21	88	30255	447.801	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	452032	112.999	ug/l	100
52) Toluene	10.16	92	169977	20.271	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83176	18.909	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102662	20.878	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	72056	21.694	ug/l	98
56) Ethyl methacrylate	10.43	69	101846	21.018	ug/l	98
57) 1,3-Dichloropropane	10.71	76	119360	22.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	153441	89.989	ug/l	98
59) 2-Hexanone	10.75	43	314519	108.479	ug/l	100
60) Dibromochloromethane	10.90	129	70666	20.796	ug/l	98
61) 1,2-Dibromoethane	11.01	107	73156	21.545	ug/l	99
64) Tetrachloroethene	10.63	164	73833	18.914	ug/l	96
65) Chlorobenzene	11.43	112	184937	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	68075	21.967	ug/l	100
67) Ethyl Benzene	11.51	91	319477	20.471	ug/l	100
68) m/p-Xylenes	11.62	106	236364	39.647	ug/l	98
69) o-Xylene	11.95	106	119646	20.403	ug/l	99
70) Styrene	11.96	104	189483	20.336	ug/l	99
71) Bromoform	12.13	173	49367	20.676	ug/l #	100
73) Isopropylbenzene	12.25	105	315813	24.545	ug/l	100
74) N-amyl acetate	12.07	43	105562	23.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	102515	25.692	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82804m	26.182	ug/l	
77) Bromobenzene	12.53	156	100398	27.283	ug/l	77
78) n-propylbenzene	12.59	91	323072	22.218	ug/l	100
79) 2-Chlorotoluene	12.67	91	203254	23.993	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255842	22.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19665	20.707	ug/l #	83
82) 4-Chlorotoluene	12.77	91	186927	21.973	ug/l	98
83) tert-Butylbenzene	12.99	119	228581	24.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	245364	22.389	ug/l	100
85) sec-Butylbenzene	13.17	105	284744	22.112	ug/l	99
86) p-Isopropyltoluene	13.29	119	244259	21.194	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119505	20.983	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	111185	20.294	ug/l	99
89) n-Butylbenzene	13.61	91	163920	19.200	ug/l	99
90) Hexachloroethane	13.87	117	41589	23.929	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	121607	21.148	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14108	24.720	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
Data File : VN056283.D
Acq On : 13 Jun 2019 15:55
Operator : JC/SP
Sample : VN0613WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM

Quant Time: Jun 14 08:58:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42725	16.602	ug/l	98
94) Hexachlorobutadiene	15.01	225	43346	20.759	ug/l	97
95) Naphthalene	15.13	128	127933	18.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51367	17.973	ug/l	99

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

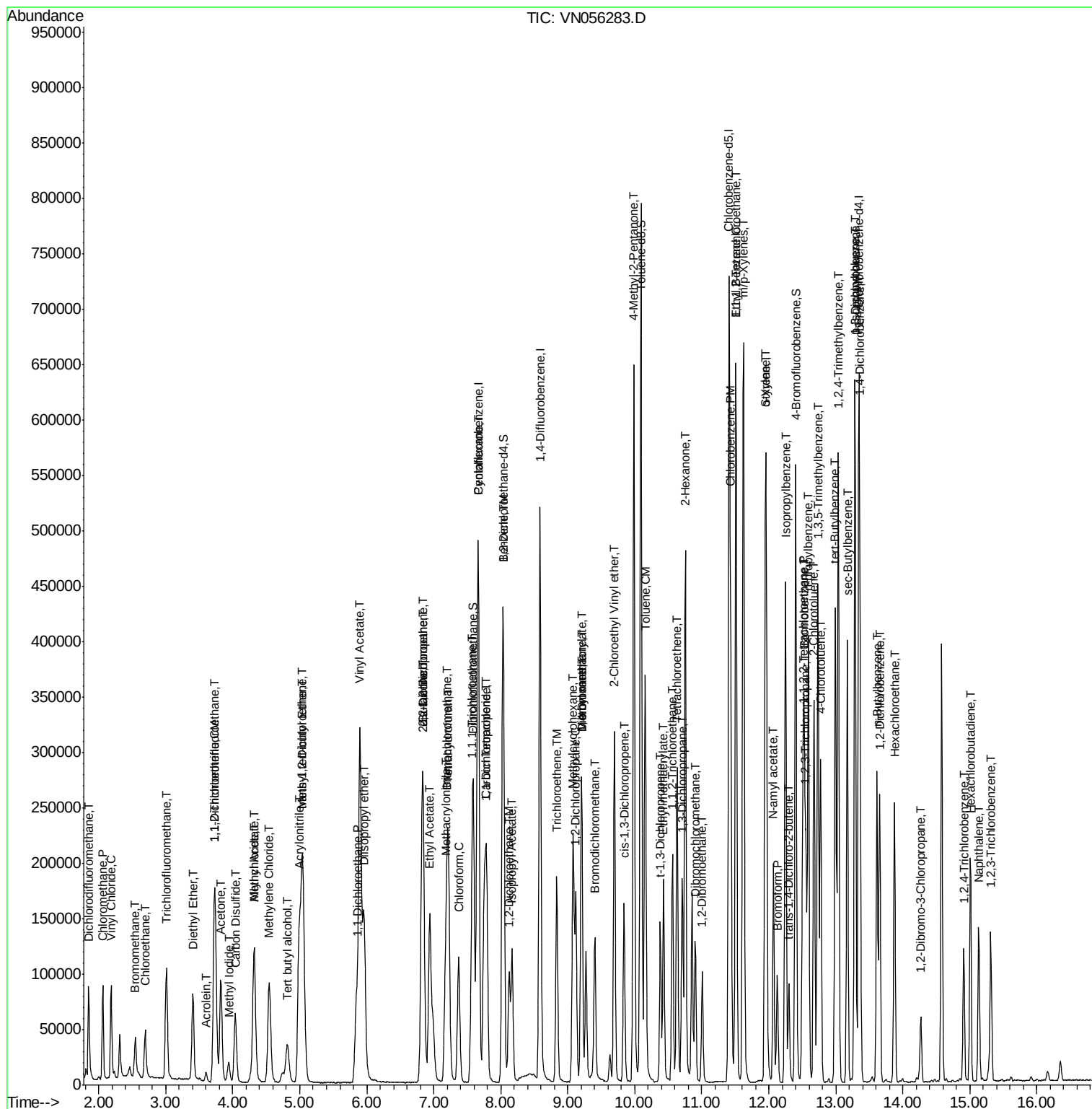
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
Data File : VN056283.D
Acq On : 13 Jun 2019 15:55
Operator : JC/SP
Sample : VN0613WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

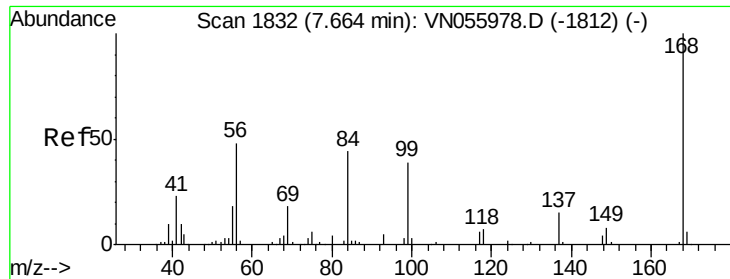
Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM

Quant Time: Jun 14 08:58:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion:168 Resp: 328146

Ion Ratio Lower Upper

168 100

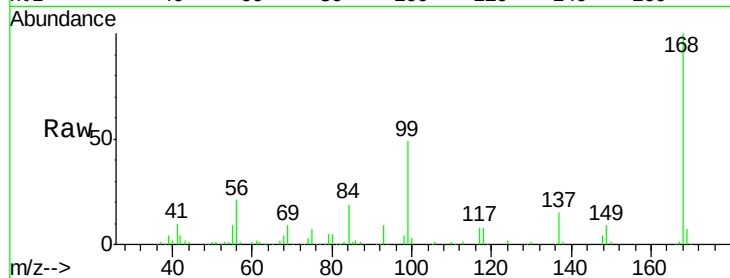
99 48.0 37.2 55.8

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

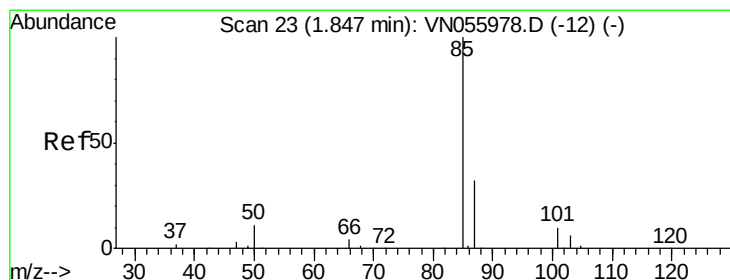
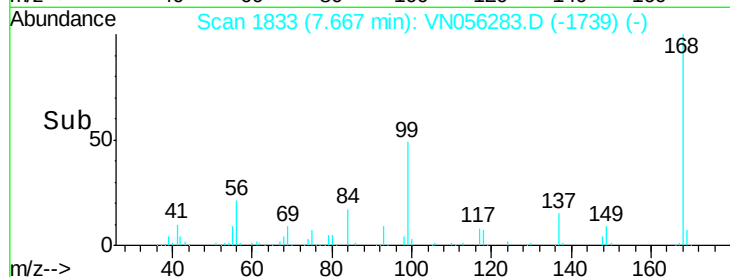
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.295 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056283.D

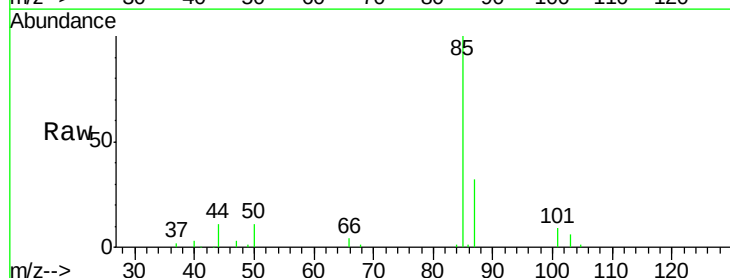
Acq: 13 Jun 2019 15:55

Tgt Ion: 85 Resp: 72400

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

30000

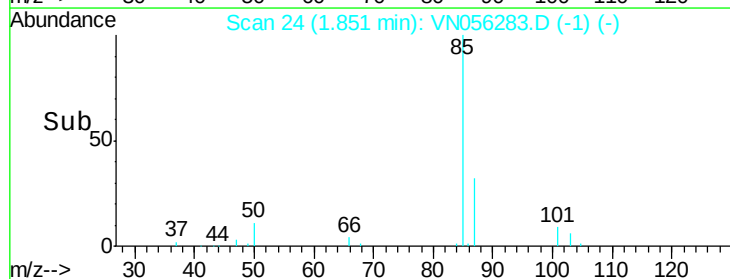
20000

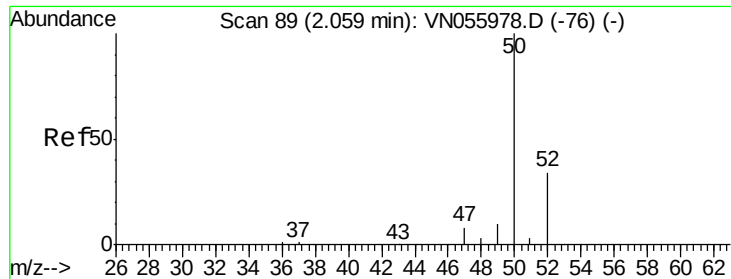
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.913 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 50 Resp: 77947

Ion Ratio Lower Upper

50 100

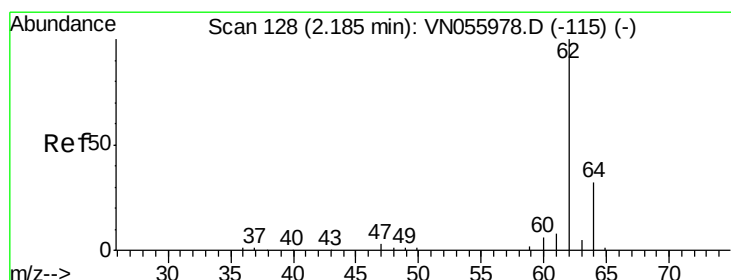
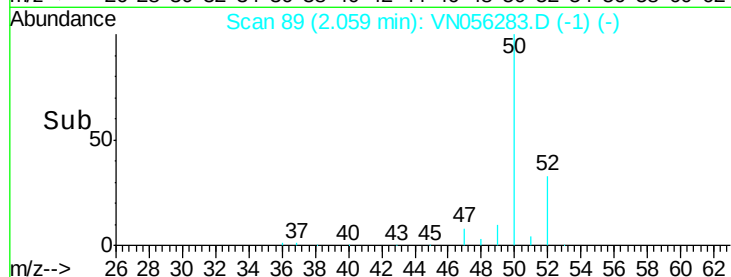
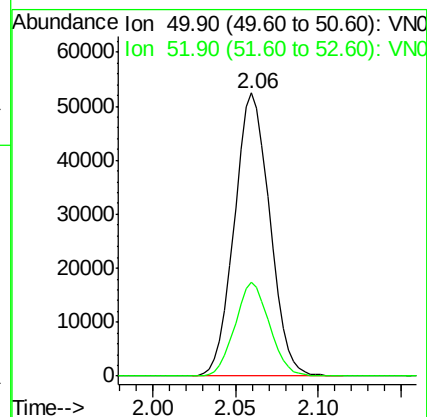
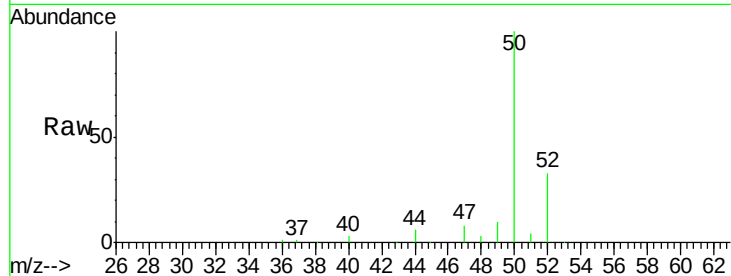
52 33.2 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



#4

Vinyl Chloride

Concen: 21.909 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056283.D

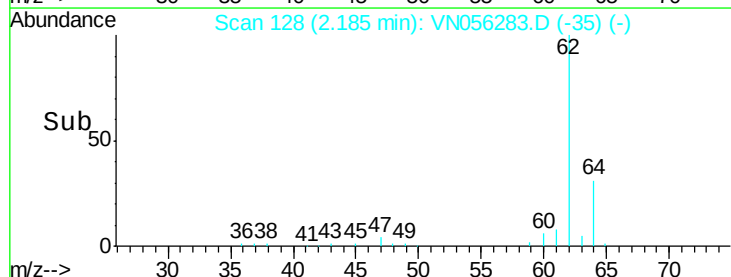
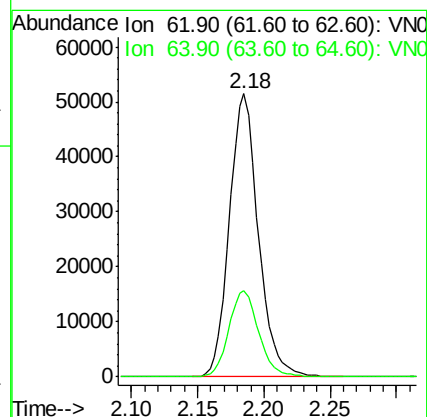
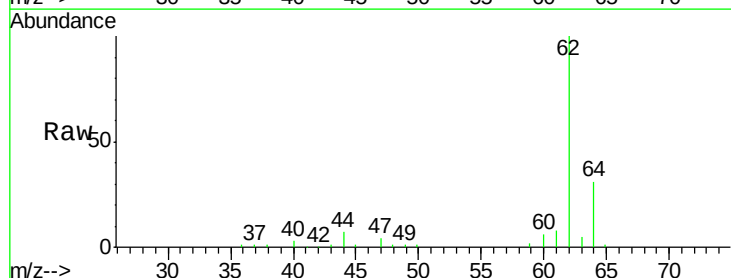
Acq: 13 Jun 2019 15:55

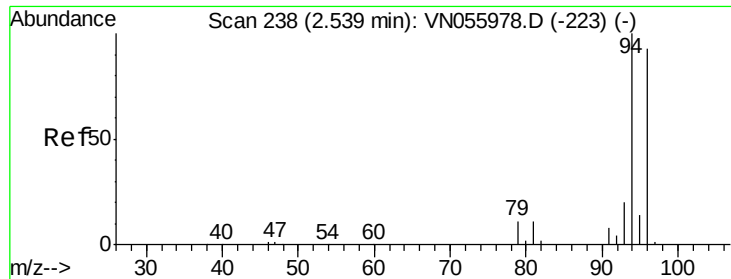
Tgt Ion: 62 Resp: 78175

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4





#5

Bromomethane

Concen: 12.024 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 94 Resp: 27101

Ion Ratio Lower Upper

94 100

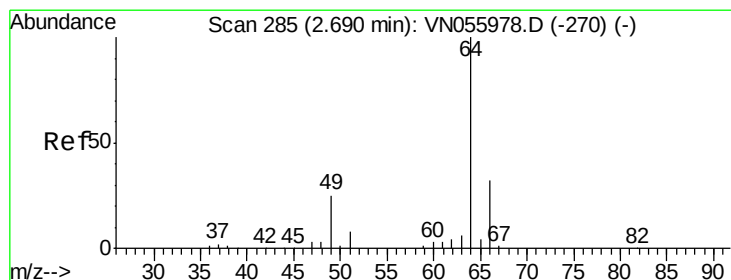
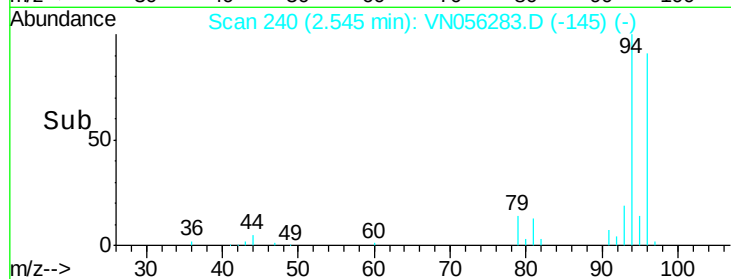
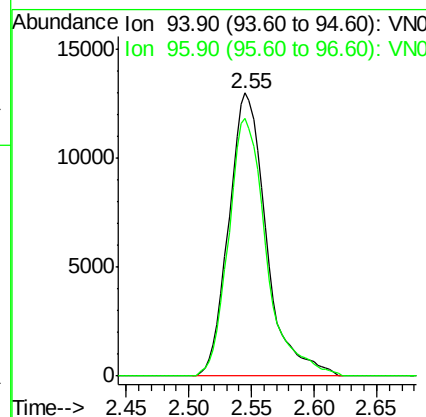
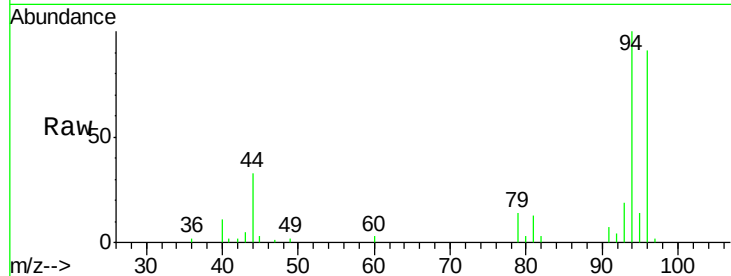
96 91.0 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



#6

Chloroethane

Concen: 22.268 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056283.D

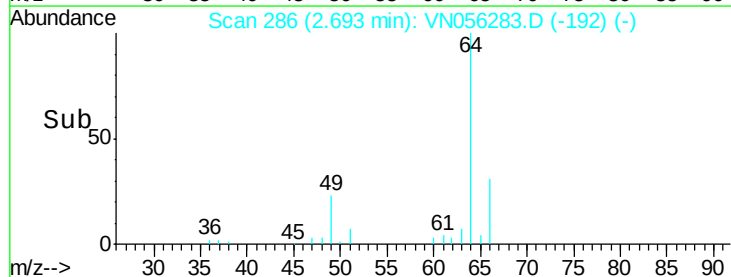
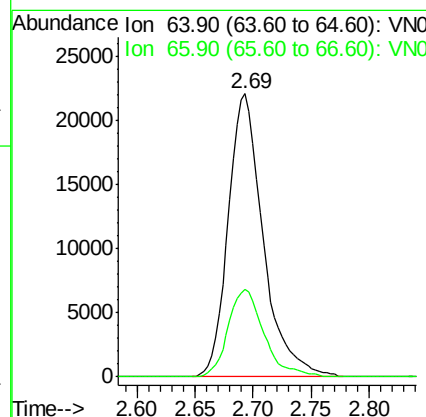
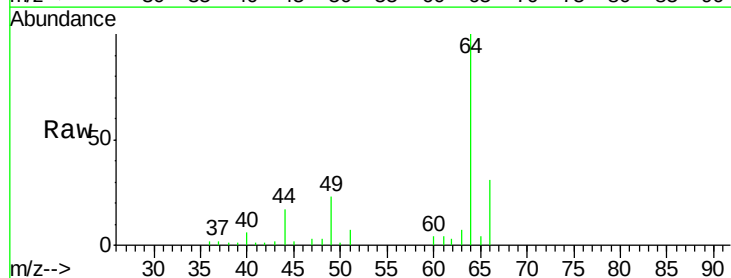
Acq: 13 Jun 2019 15:55

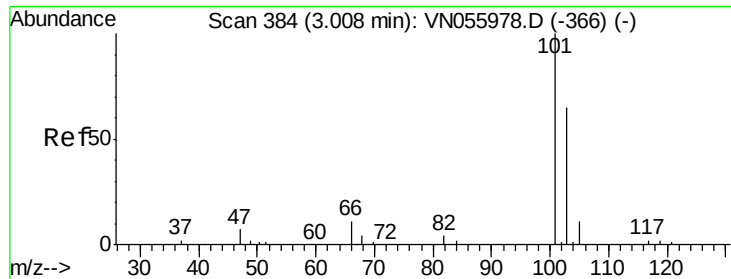
Tgt Ion: 64 Resp: 46067

Ion Ratio Lower Upper

64 100

66 30.9 25.4 38.0





#7

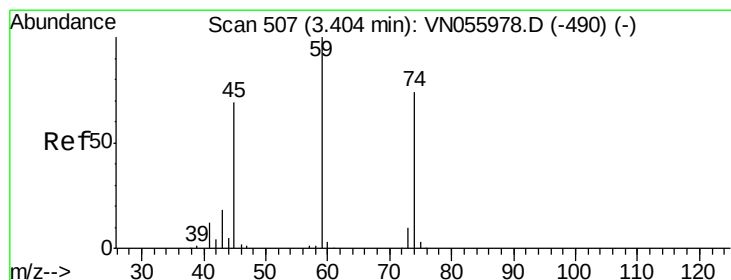
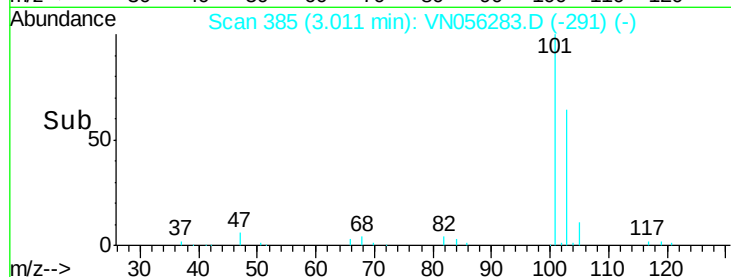
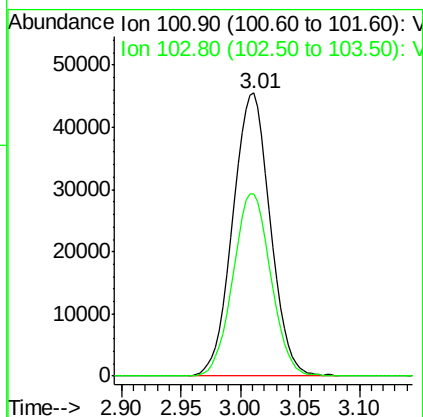
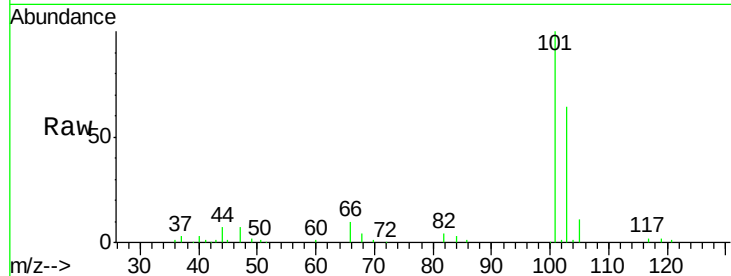
Trichlorofluoromethane
Concen: 21.817 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion:101 Resp: 99379
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8

Manual Integrations
APPROVED

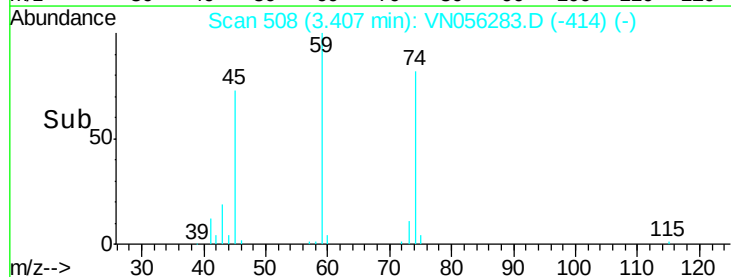
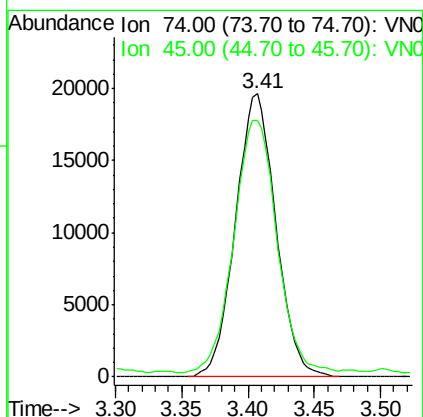
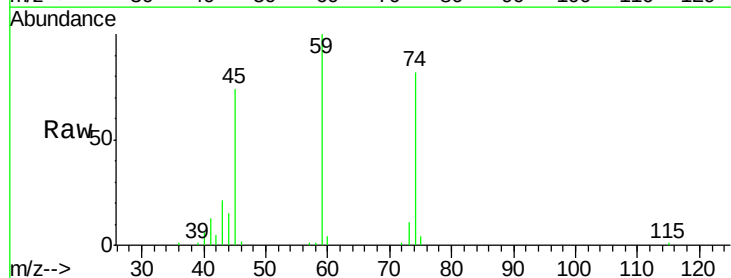
MMDadoda
6/14/2019 9:37:27 AM

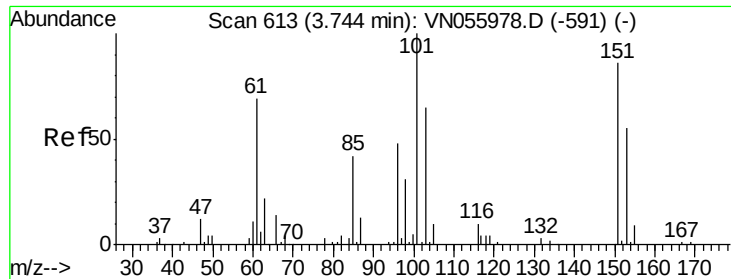


#8

Diethyl Ether
Concen: 22.190 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion: 74 Resp: 41566
Ion Ratio Lower Upper
74 100
45 94.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.807 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

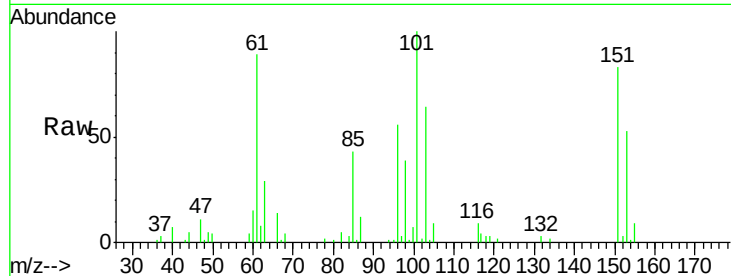
ClientSampleId :

VN0613WBS01

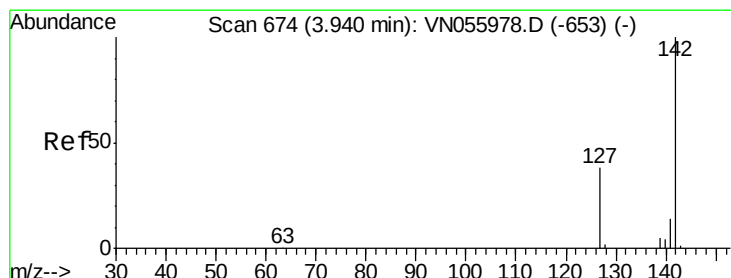
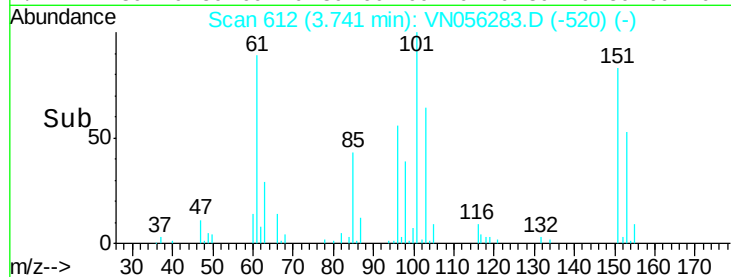
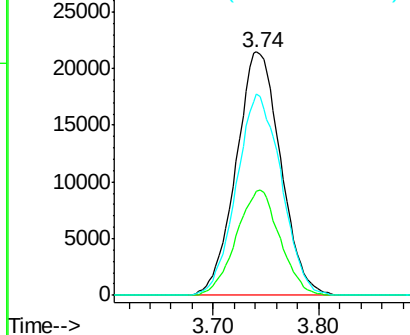
Tot Ion:	101	Resp:	63107
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.2
151	83.2	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.606 ug/l

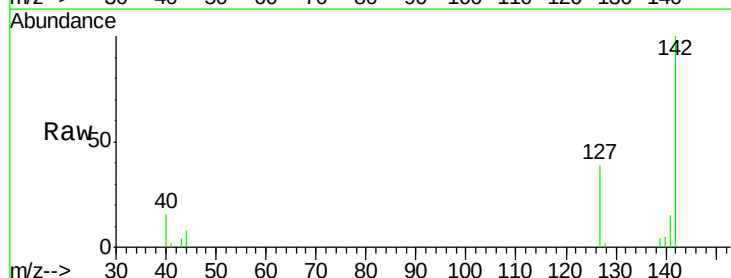
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

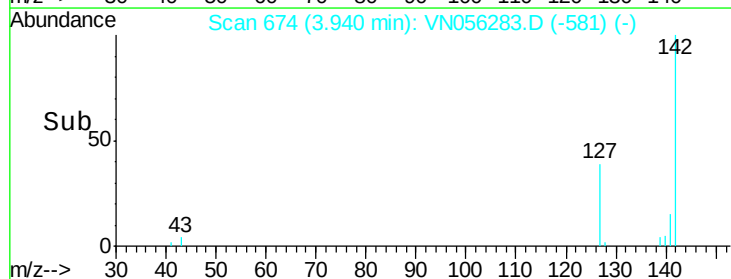
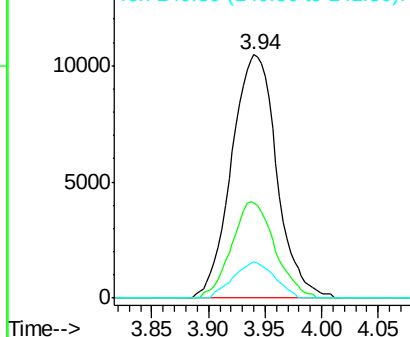
Lab File: VN056283.D

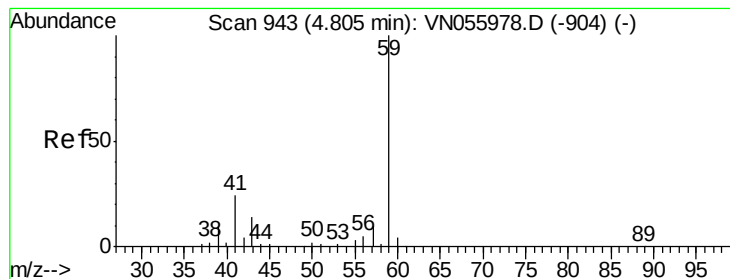
Acq: 13 Jun 2019 15:55

Tgt Ion:	142	Resp:	29047
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.5	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

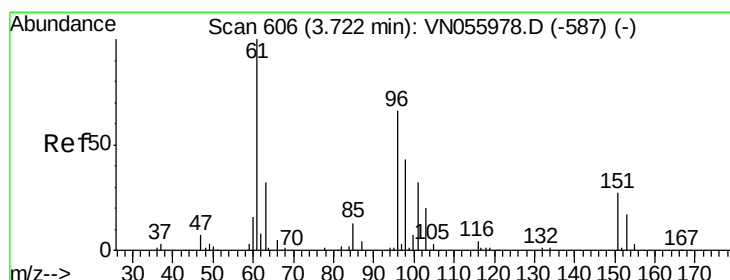
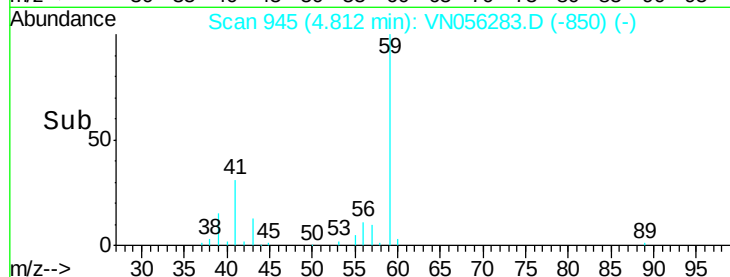
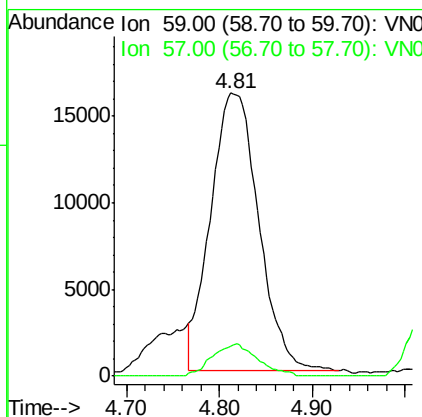
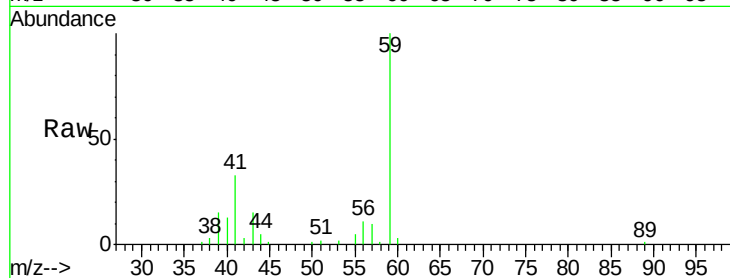
Tert butyl alcohol
Concen: 101.970 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.6

Manual Integrations
APPROVED

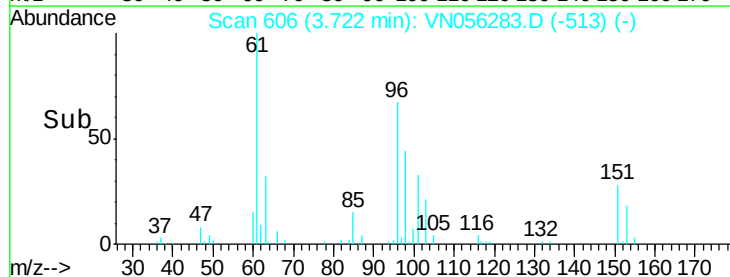
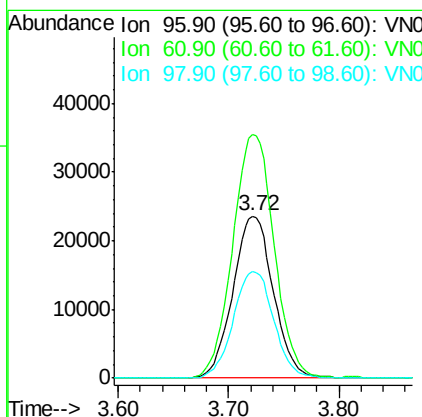
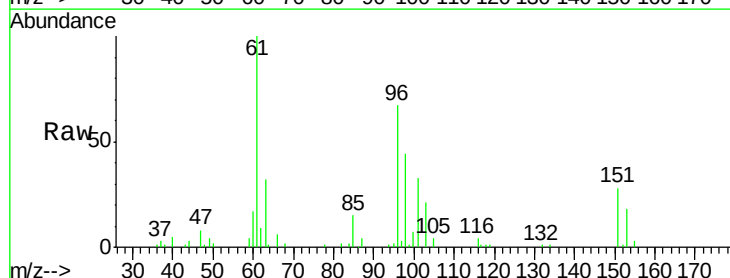
MMDadoda
6/14/2019 9:37:27 AM

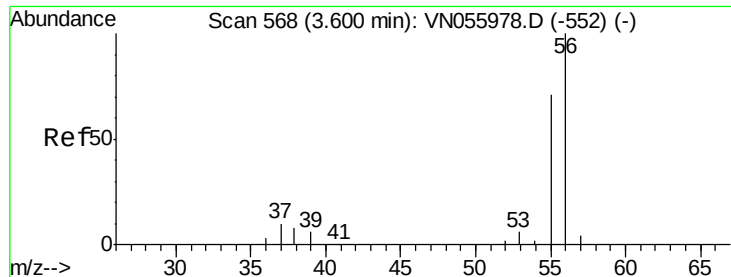


#12

1,1-Dichloroethene
Concen: 21.689 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	123.2	184.8
98	65.5	50.4	75.6





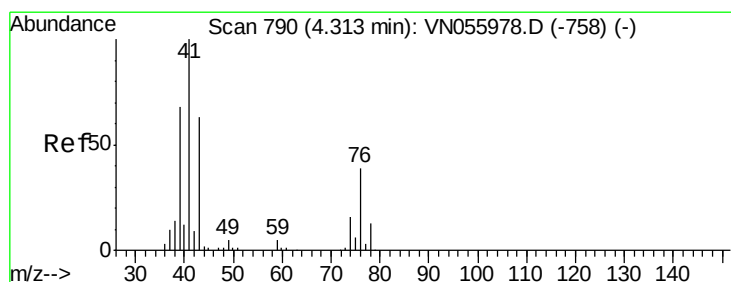
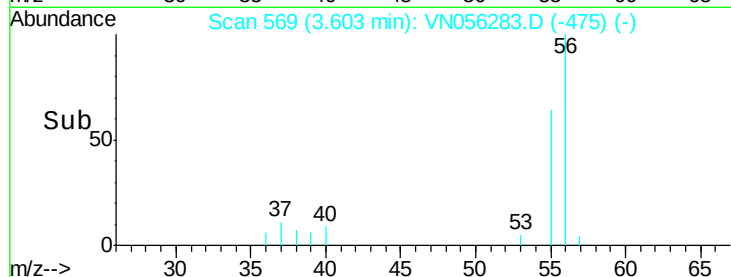
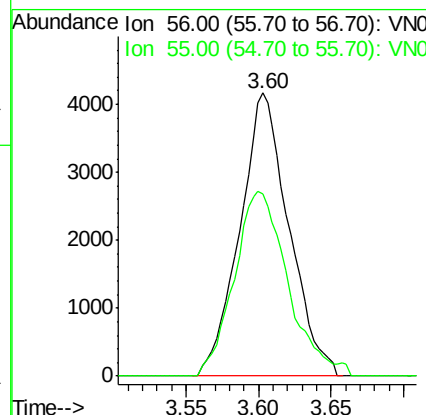
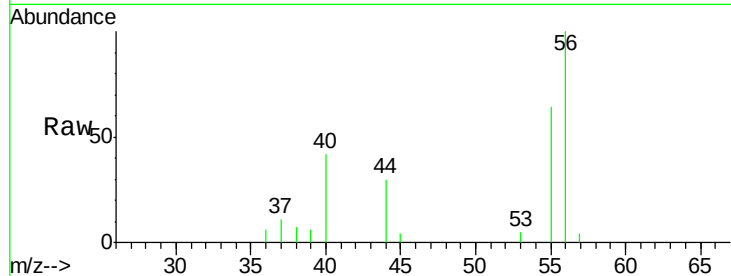
#13
Acrolein
Concen: 59.953 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	56	Resp	9804
Ion Ratio	Lower	Upper	
56	100		
55	71.5	55.4	83.2

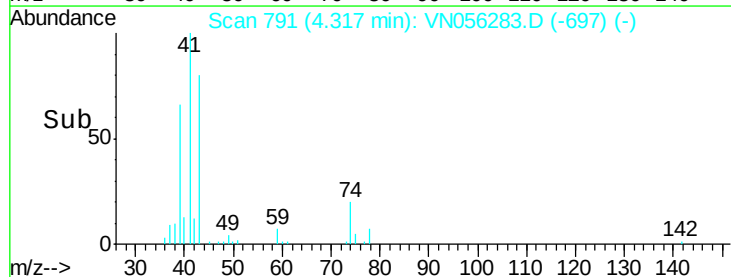
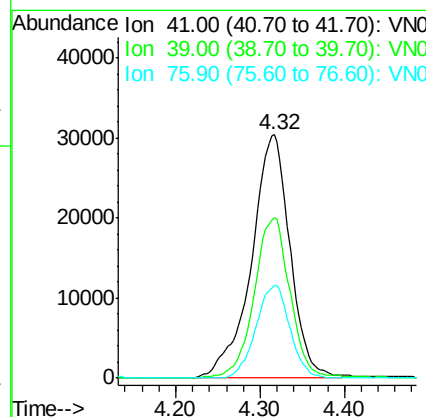
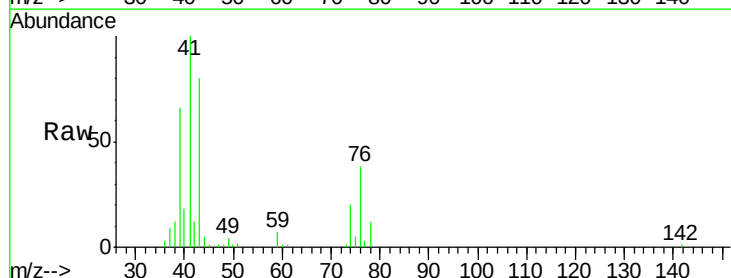
Manual Integrations
APPROVED

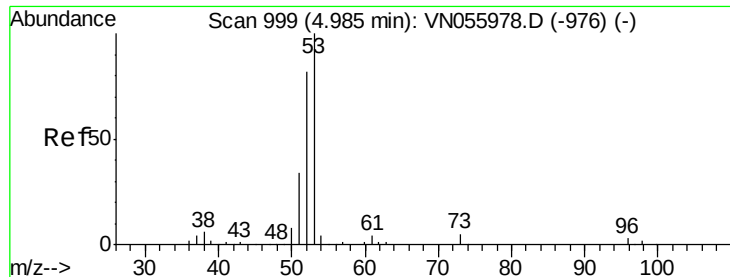
MMDadoda
6/14/2019 9:37:27 AM



#14
Allyl chloride
Concen: 22.240 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	41	Resp	96742
Ion Ratio	Lower	Upper	
41	100		
39	61.4	50.0	75.0
76	33.4	28.2	42.2





#15

Acrylonitrile

Concen: 126.864 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

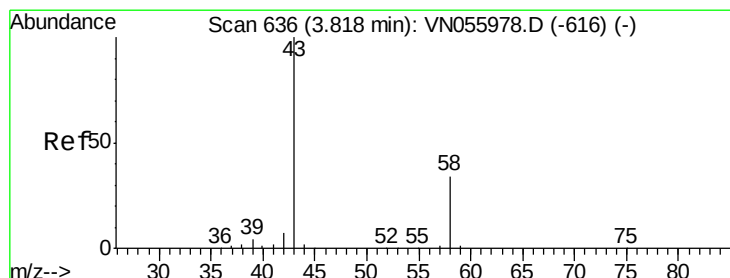
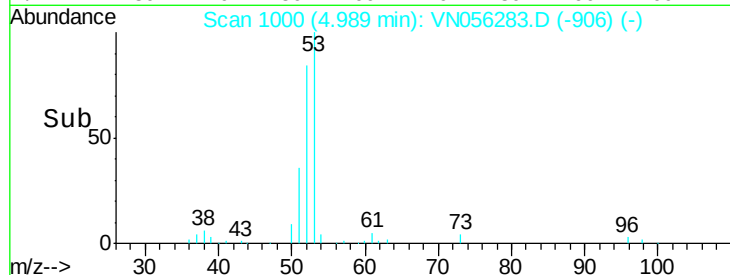
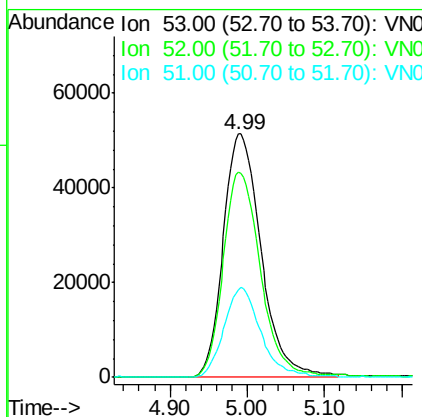
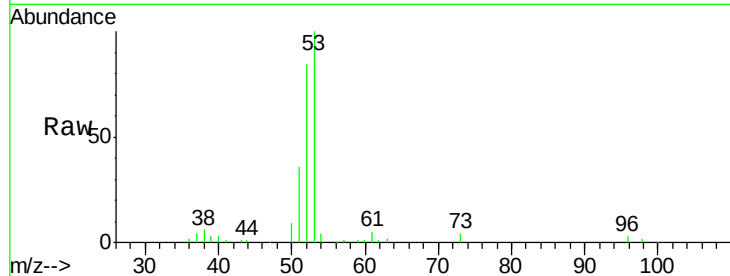
ClientSampleId :

VN0613WBS01

Tot Ion:	53	Resp:	175102
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	35.7	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#16

Acetone

Concen: 98.654 ug/l

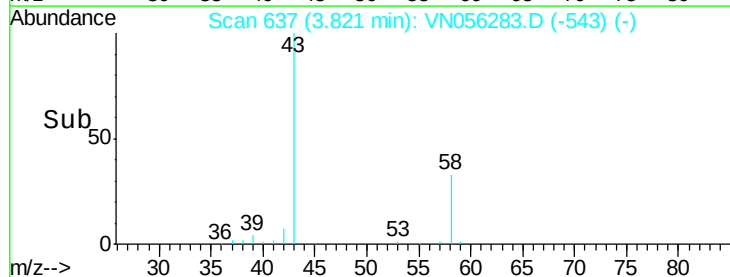
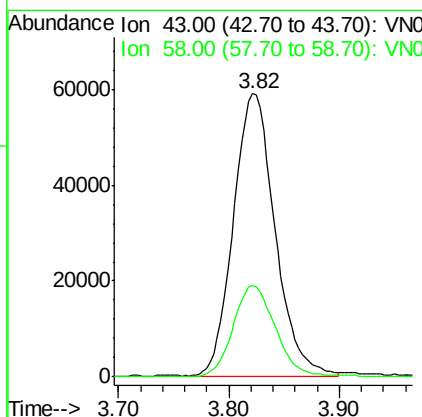
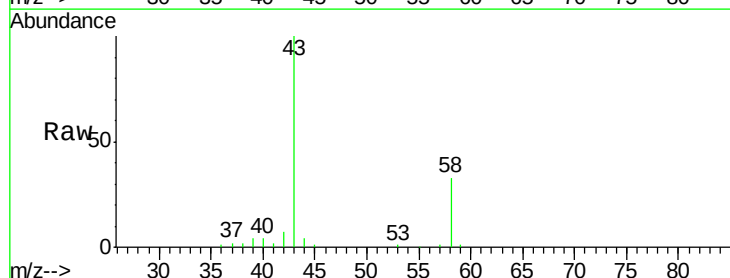
RT: 3.82 min Scan# 637

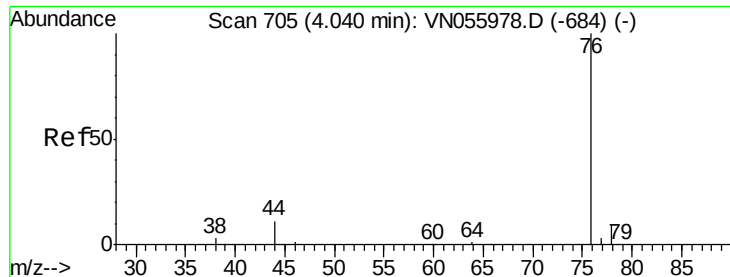
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	43	Resp:	153732
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





#17

Carbon Disulfide

Concen: 19.135 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 76 Resp: 126214

Ion Ratio Lower Upper

76 100

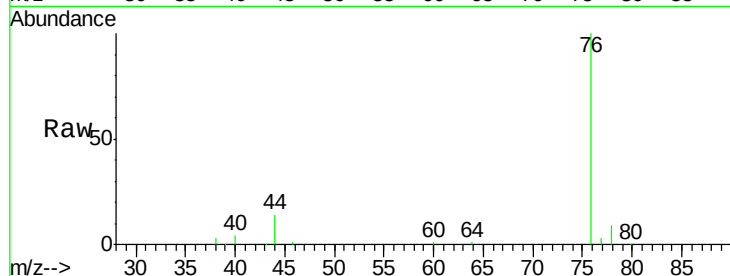
78 8.7 7.4 11.2

Manual Integrations

APPROVED

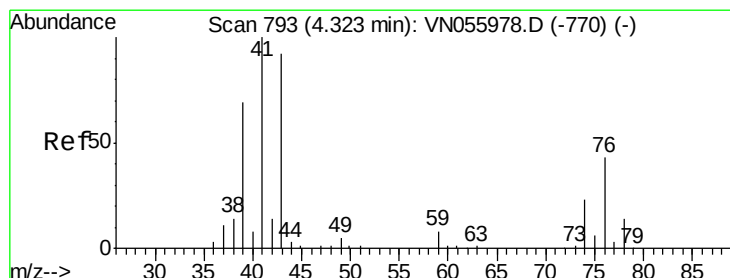
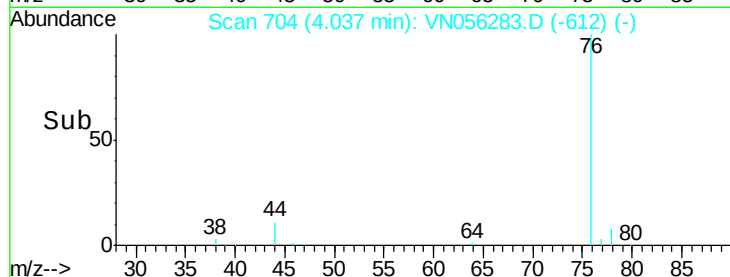
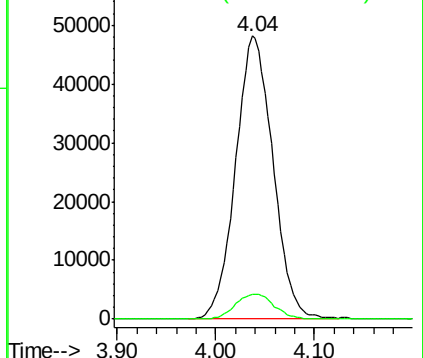
MMDadoda

6/14/2019 9:37:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 28.927 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056283.D

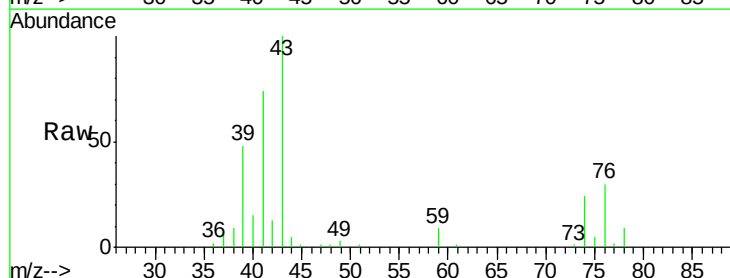
Acq: 13 Jun 2019 15:55

Tgt Ion: 43 Resp: 89289

Ion Ratio Lower Upper

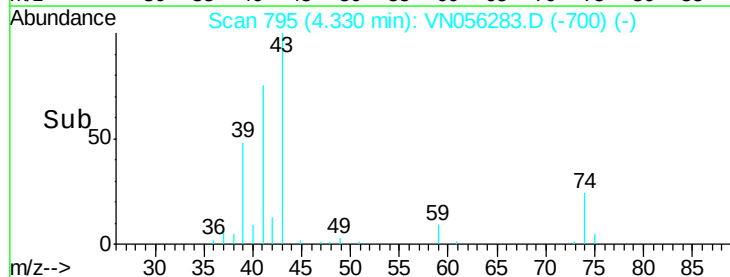
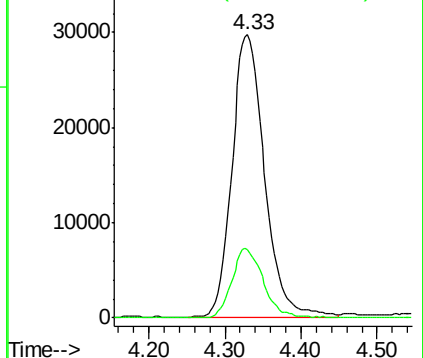
43 100

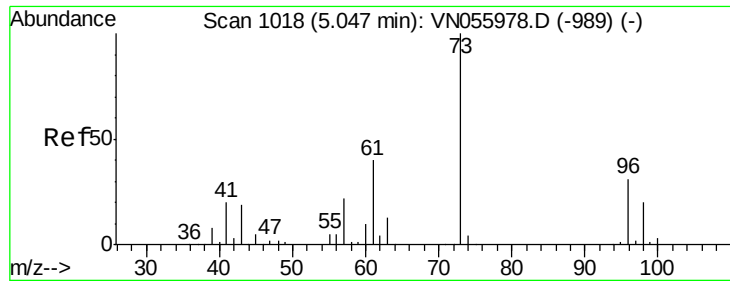
74 23.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





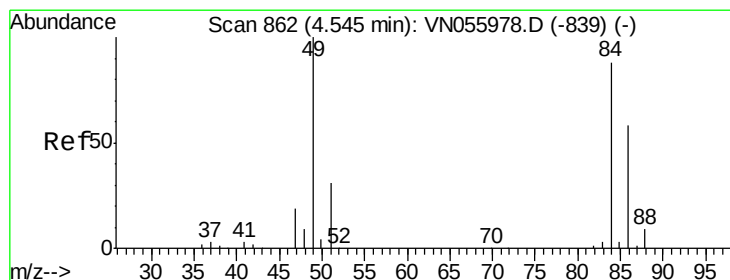
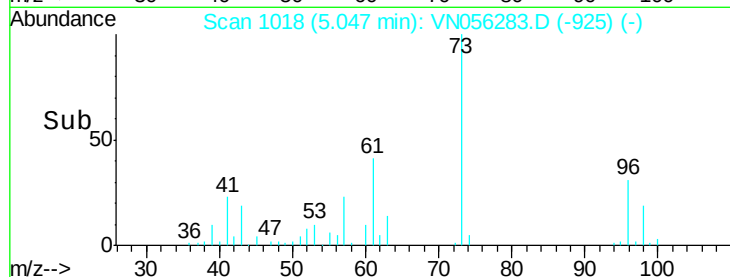
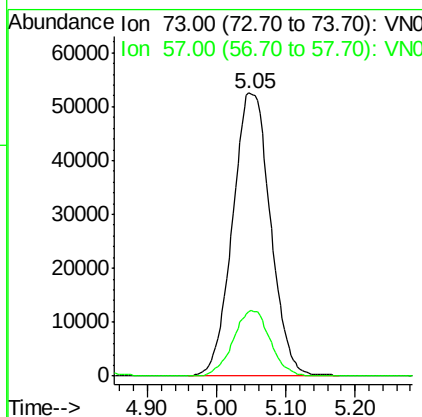
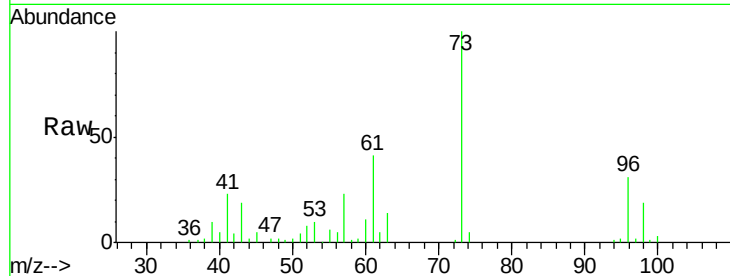
#19
Methyl tert-butyl Ether
Concen: 22.736 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion: 73 Resp: 199637
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

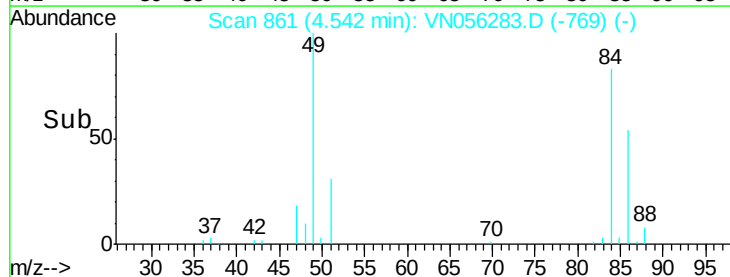
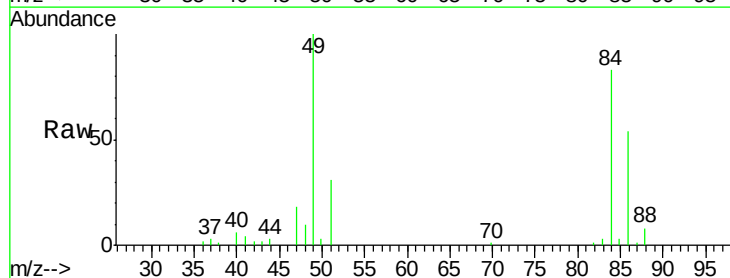
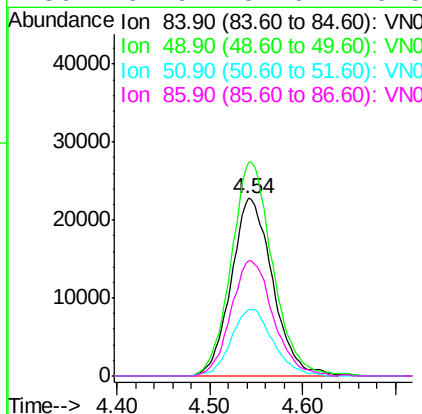
Manual Integrations
APPROVED

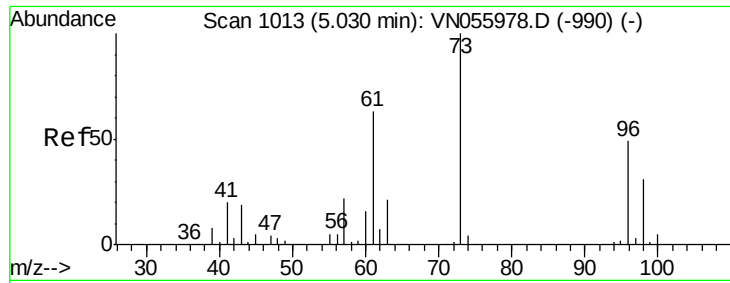
MMDadoda
6/14/2019 9:37:27 AM



#20
Methylene Chloride
Concen: 22.031 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion: 84 Resp: 70729
Ion Ratio Lower Upper
84 100
49 120.1 93.5 140.3
51 37.3 28.6 43.0
86 64.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.287 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 96 Resp: 62830

Ion Ratio Lower Upper

96 100

61 132.0 107.8 161.8

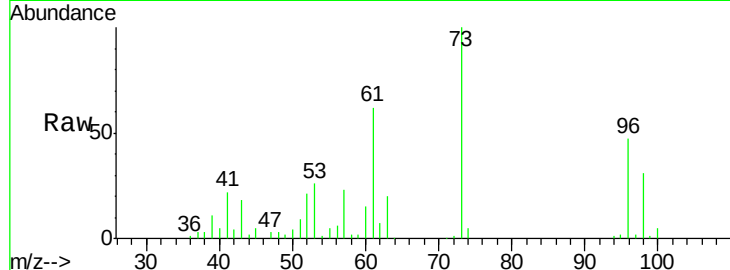
98 65.2 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

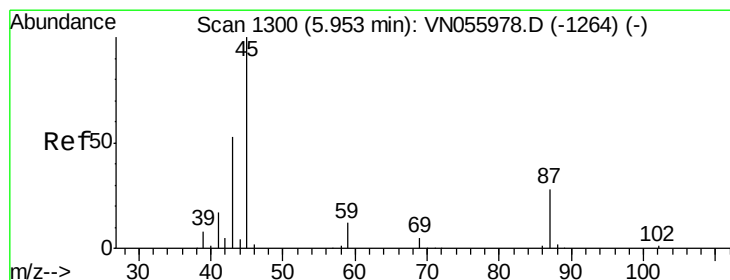
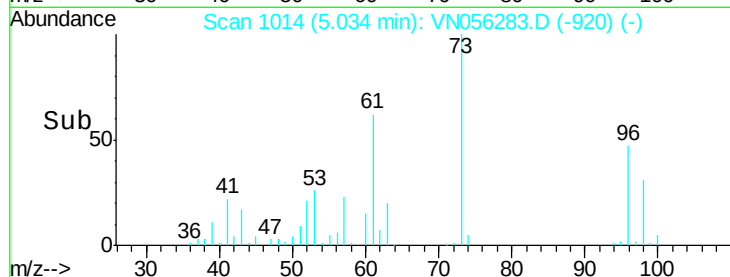
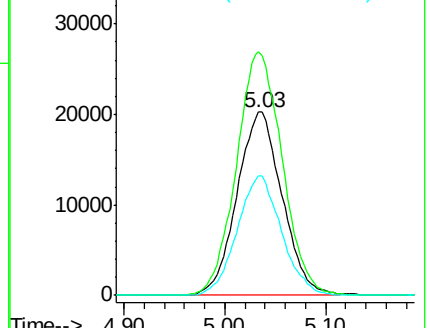
6/14/2019 9:37:27 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 23.109 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion: 45 Resp: 207791

Ion Ratio Lower Upper

45 100

43 58.3 45.0 67.6

87 29.2 22.2 33.4

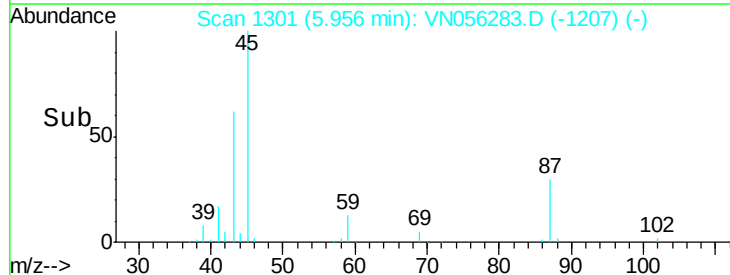
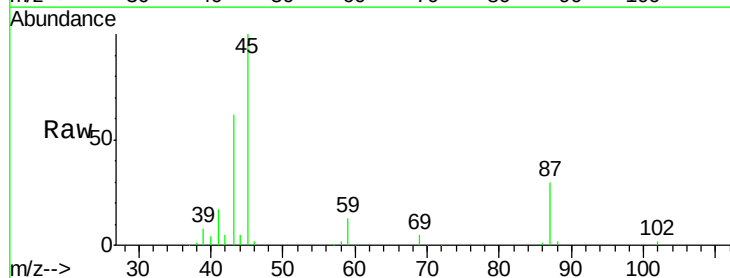
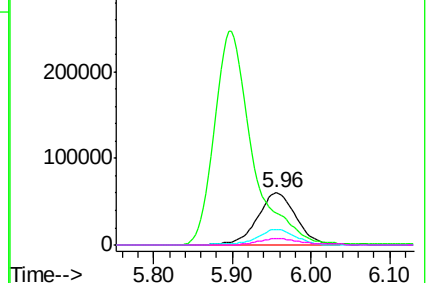
59 12.9 9.1 13.7

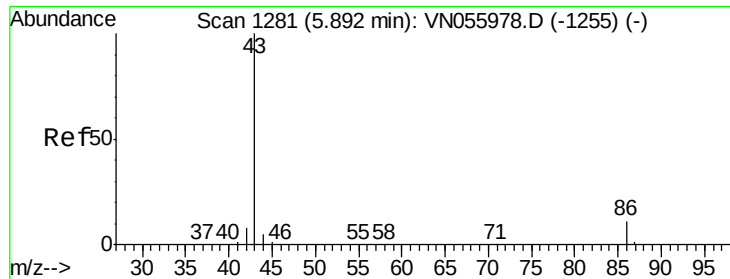
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 115.986 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 43 Resp: 821310

Ion Ratio Lower Upper

43 100

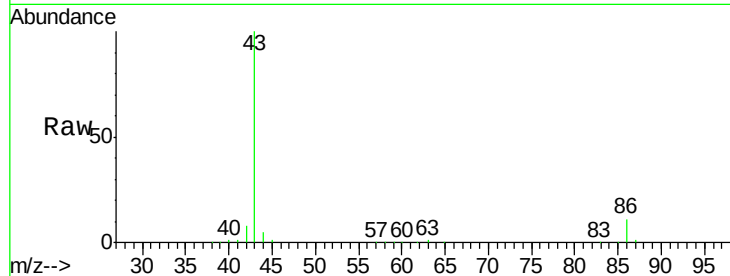
86 10.5 8.6 13.0

Manual Integrations

APPROVED

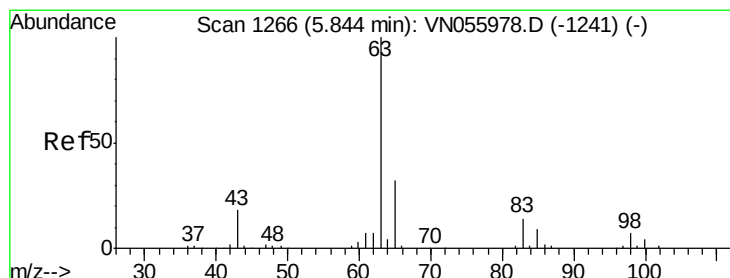
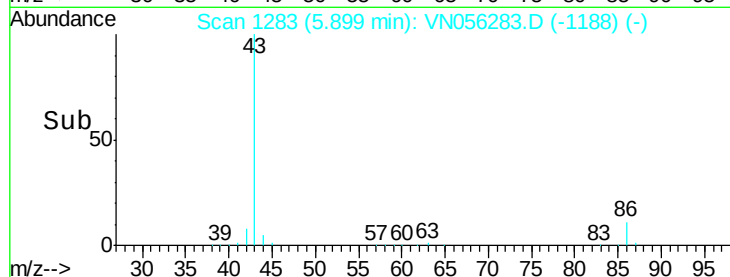
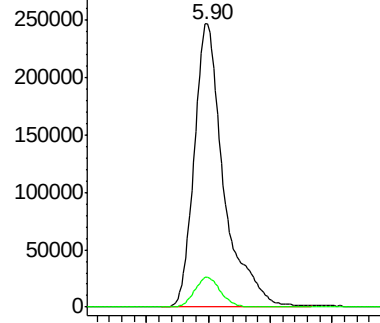
MMDadoda

6/14/2019 9:37:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.246 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

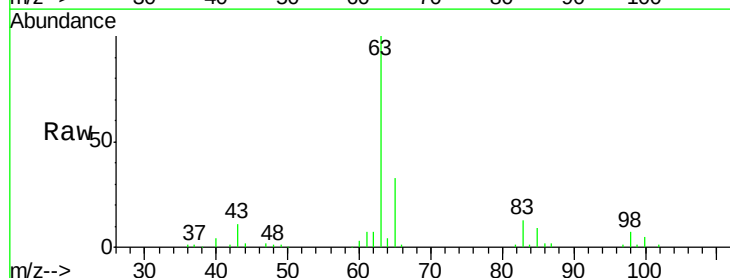
Tgt Ion: 63 Resp: 120573

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

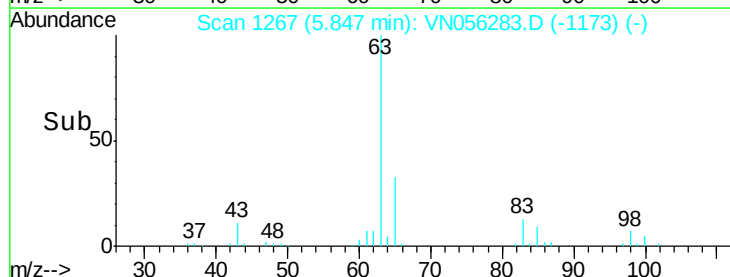
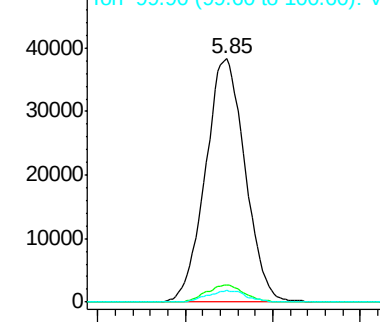
100 4.7 2.2 6.6

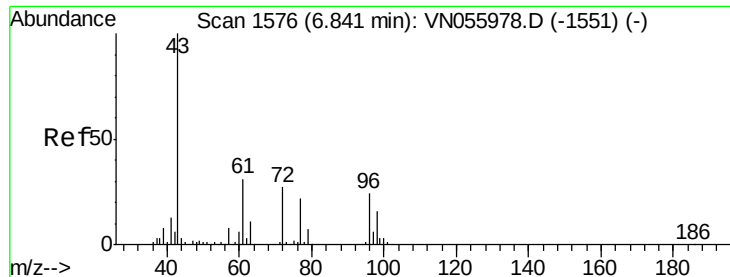


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





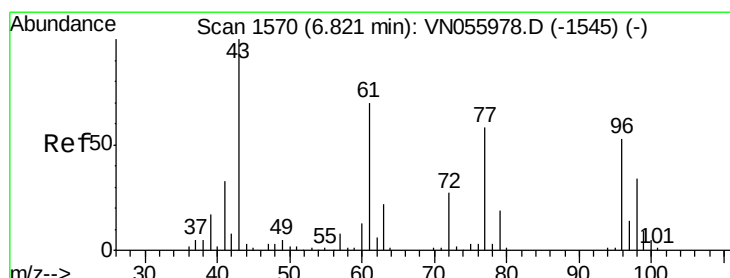
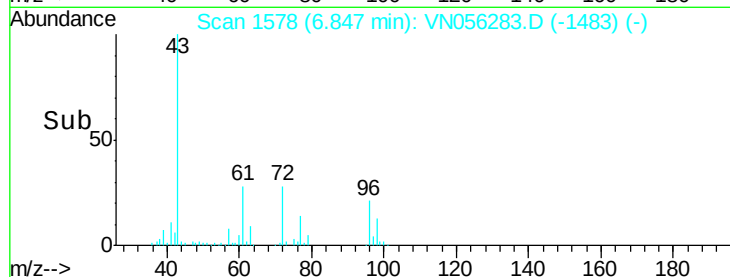
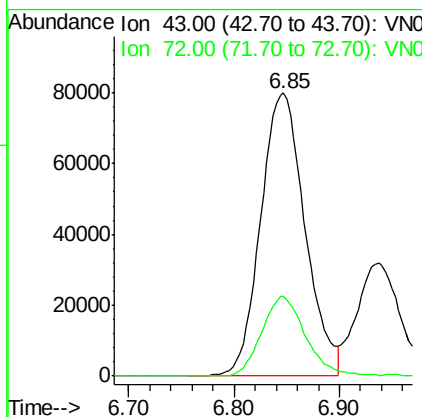
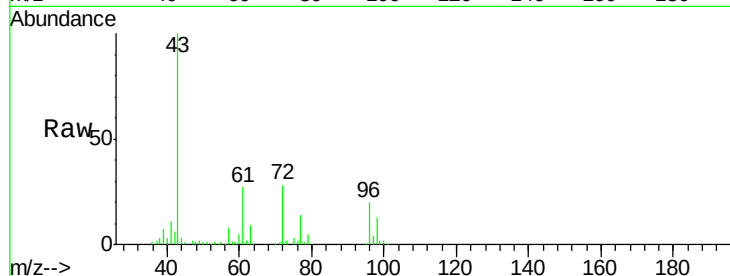
#25
2-Butanone
Concen: 117.765 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion: 43 Resp: 231863
Ion Ratio Lower Upper
43 100
72 28.2 21.9 32.9

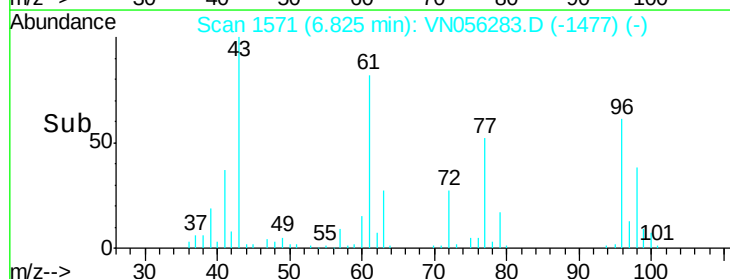
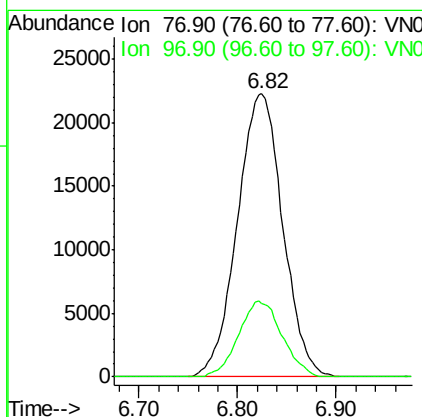
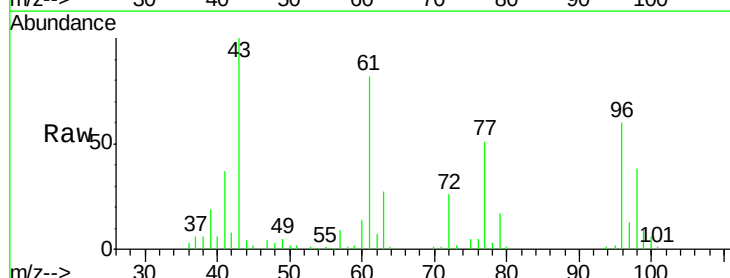
Manual Integrations
APPROVED

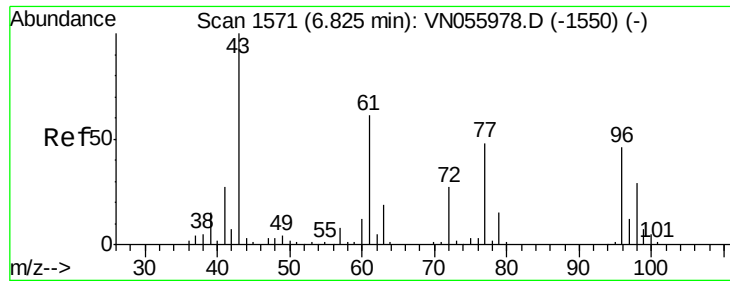
MMDadoda
6/14/2019 9:37:27 AM



#26
2,2-Dichloropropane
Concen: 17.525 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion: 77 Resp: 70929
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 22.190 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

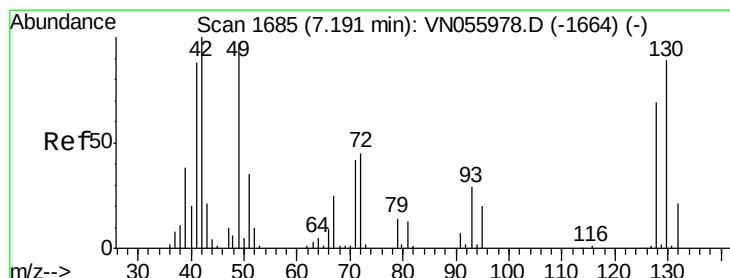
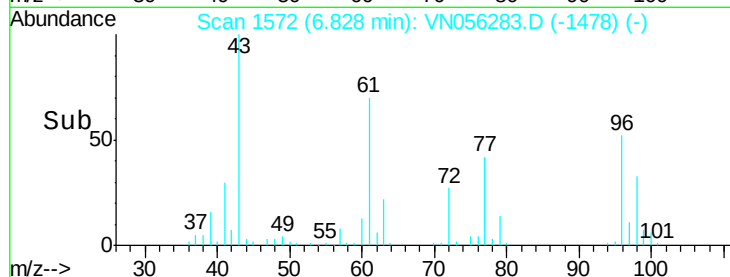
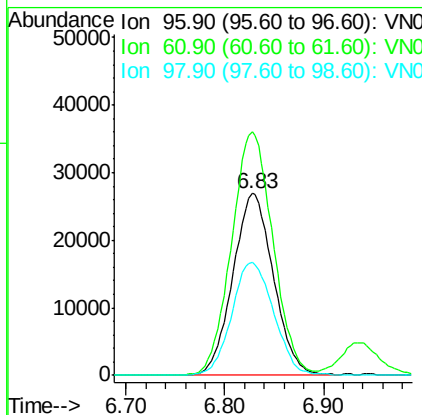
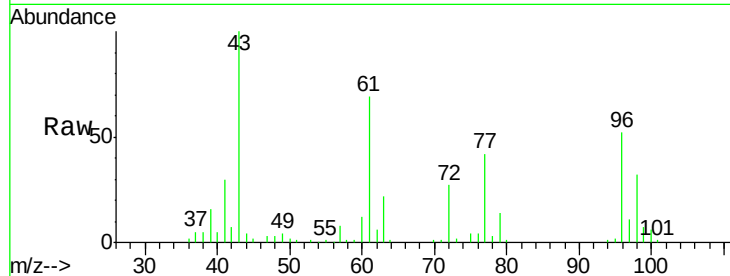
ClientSampleId :

VN0613WBS01

Tot Ion:	96	Resp:	76987
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	275.8
98	64.1	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#28

Bromochloromethane

Concen: 24.096 ug/l

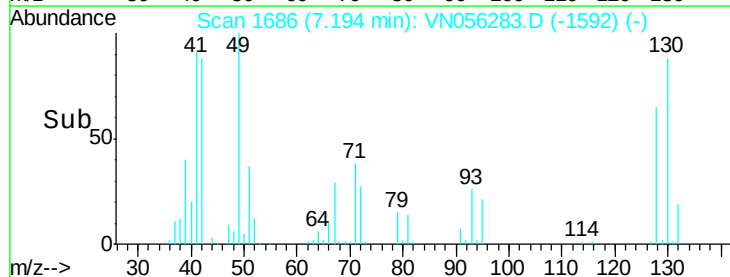
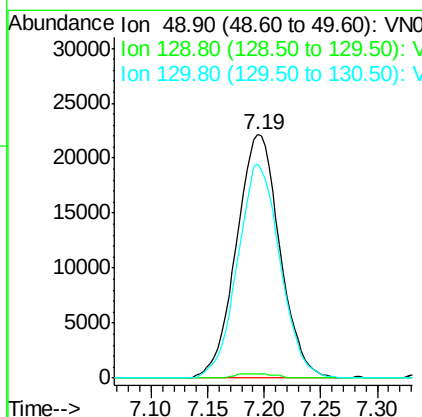
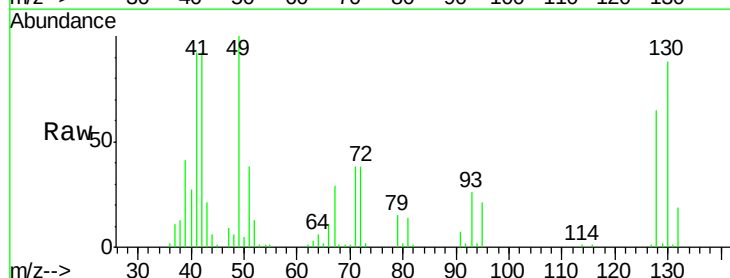
RT: 7.19 min Scan# 1686

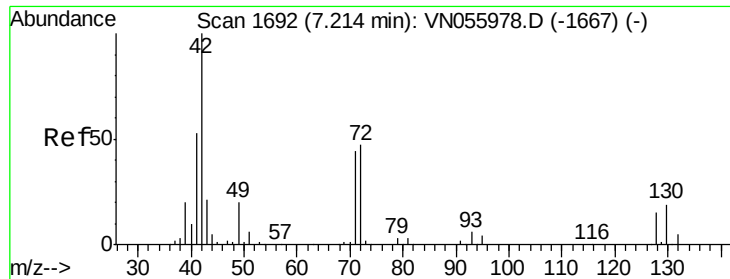
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	49	Resp:	59103
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	86.3	71.2	106.8





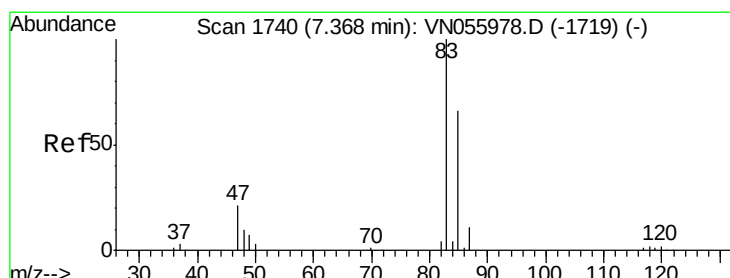
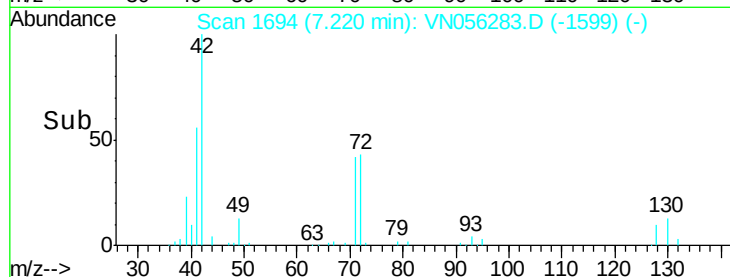
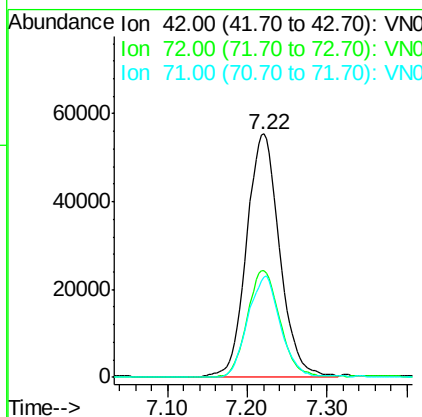
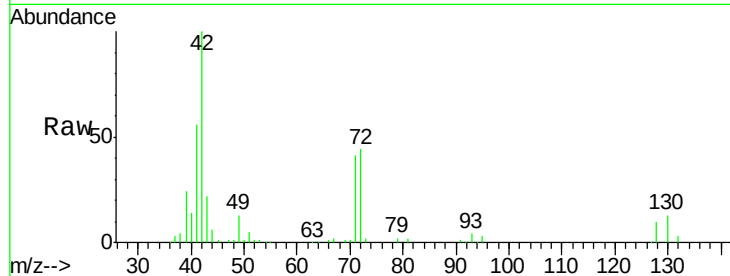
#29
Tetrahydrofuran
Concen: 128.476 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.9	53.9
71	40.9	34.0	51.0

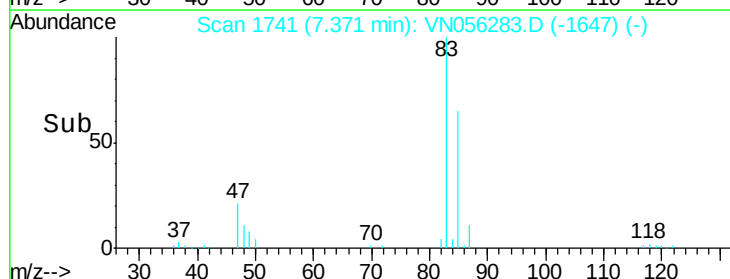
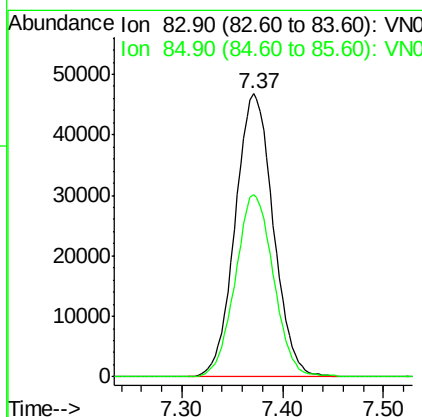
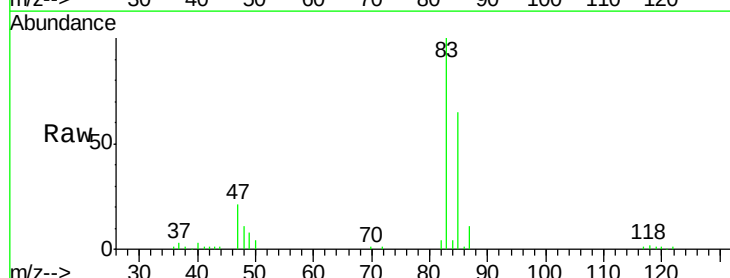
Manual Integrations
APPROVED

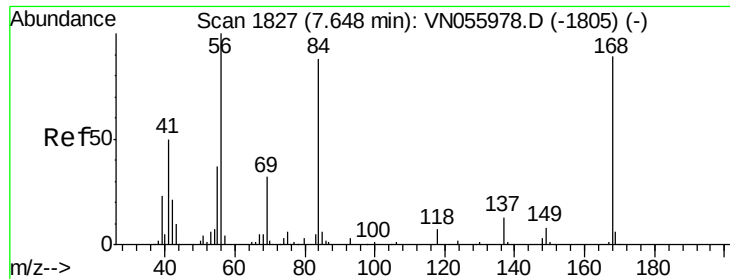
MMDadoda
6/14/2019 9:37:27 AM



#30
Chloroform
Concen: 23.473 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 21.046 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 56 Resp: 108809

Ion Ratio Lower Upper

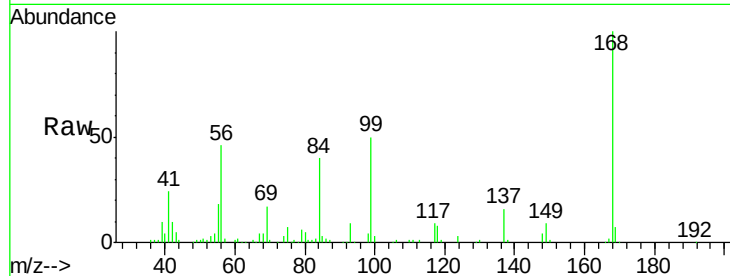
56 100

69 36.5 25.6 38.4

84 85.8 67.4 101.0

Manual Integrations
APPROVED

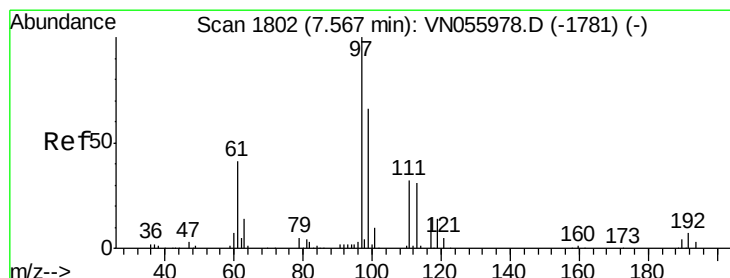
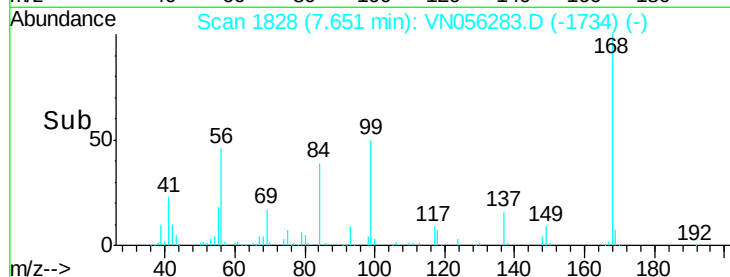
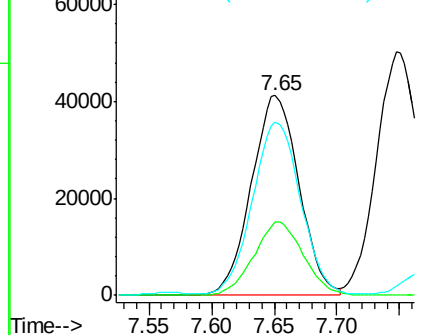
MMDadoda
6/14/2019 9:37:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 22.607 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

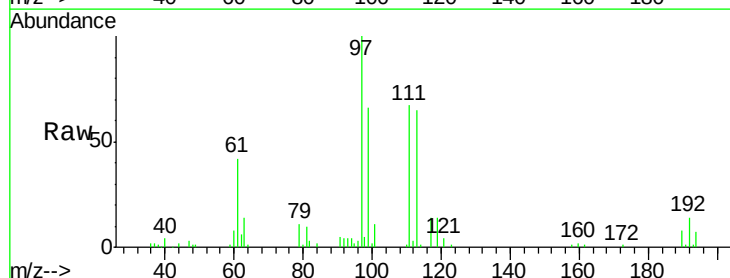
Tgt Ion: 97 Resp: 98503

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

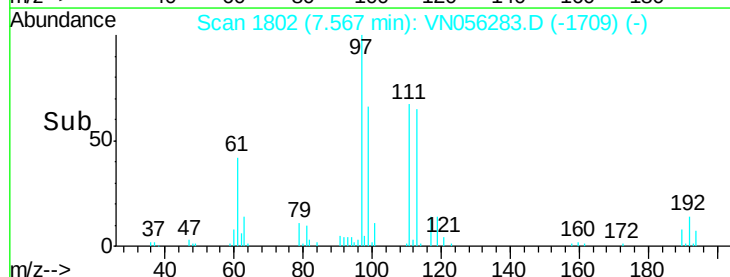
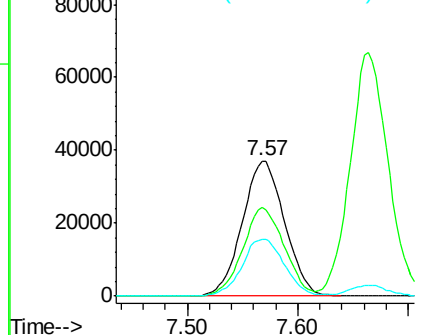
61 42.3 32.9 49.3

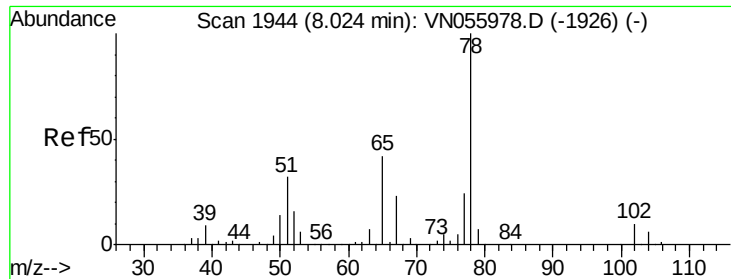


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





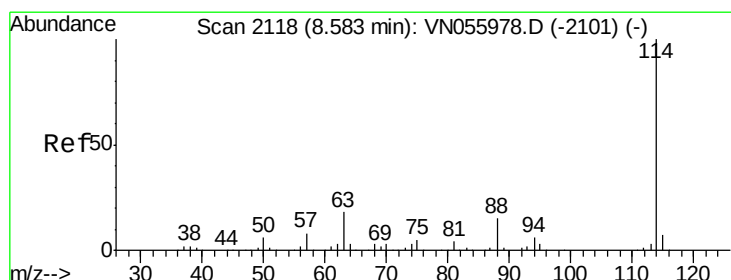
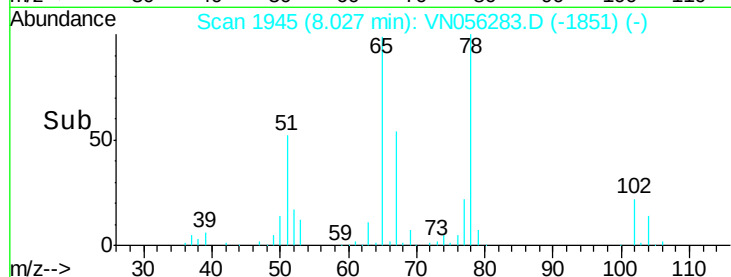
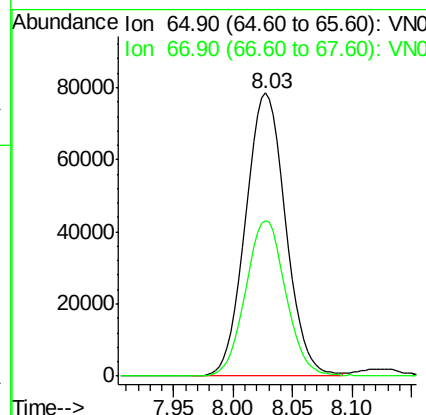
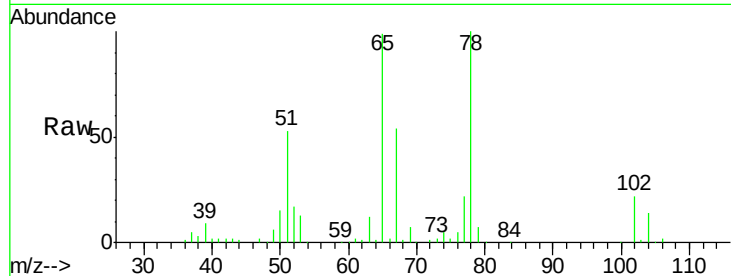
#33
 1,2-Dichloroethane-d4
 Concen: 56.382 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183705		
67	54.9	0.0	109.2	

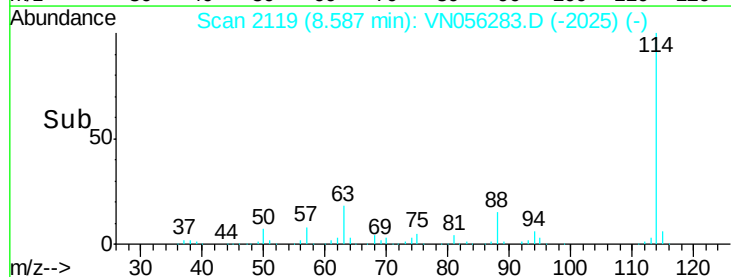
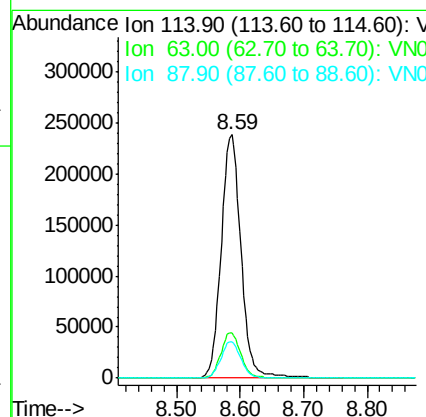
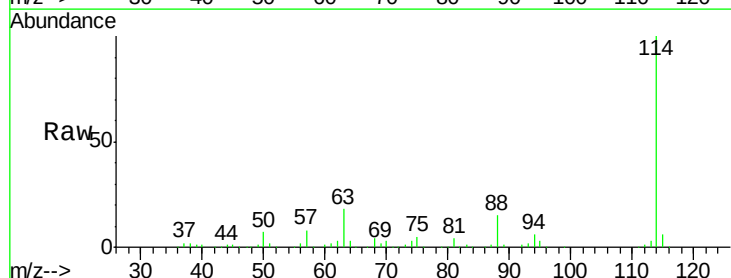
Manual Integrations
 APPROVED

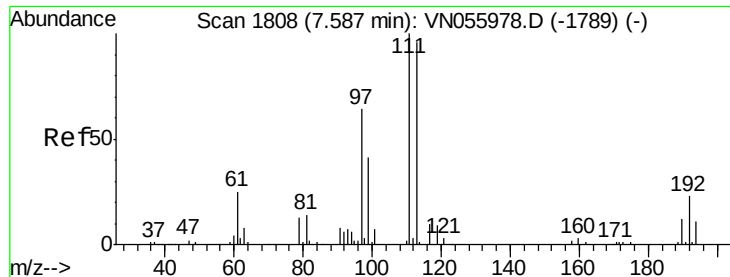
MMDadoda
 6/14/2019 9:37:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	515978		
63	18.4	0.0	39.2	
88	14.9	0.0	31.0	





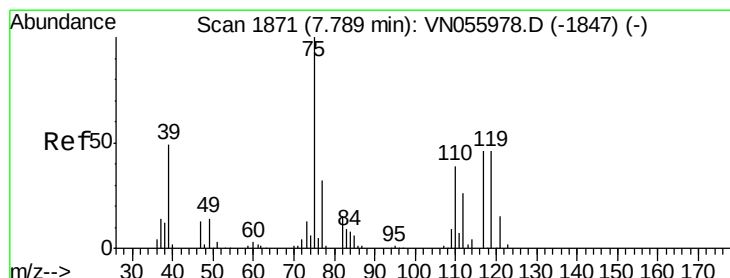
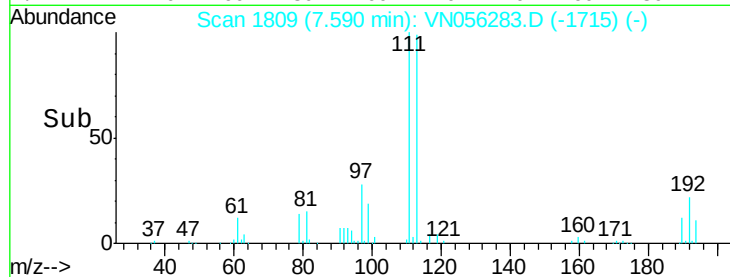
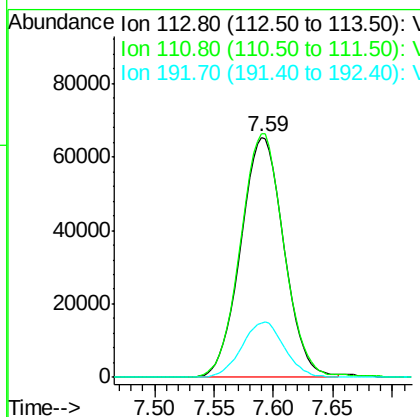
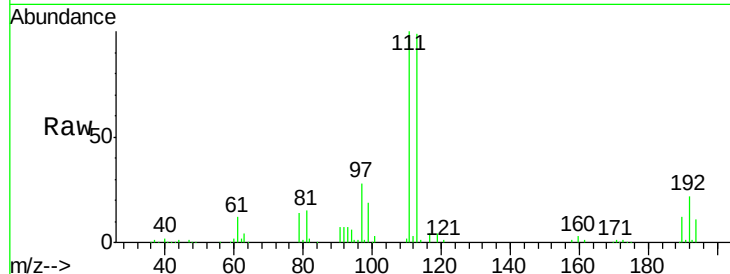
#35
Dibromofluoromethane
Concen: 51.921 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.9	122.9	
192	22.8	19.5	29.3	

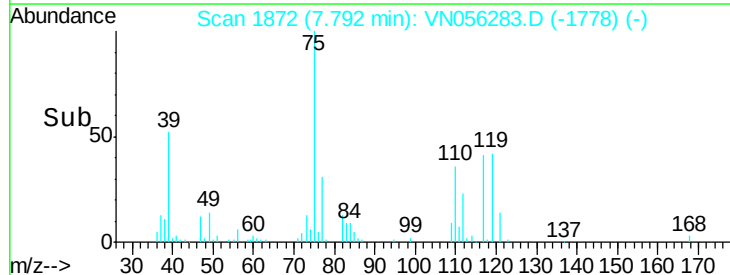
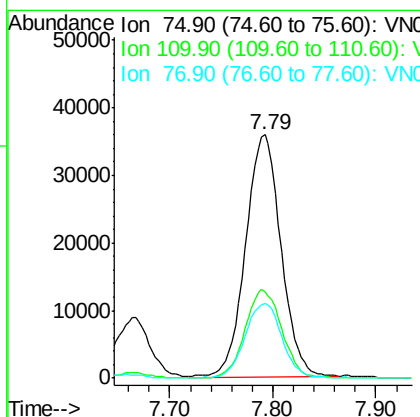
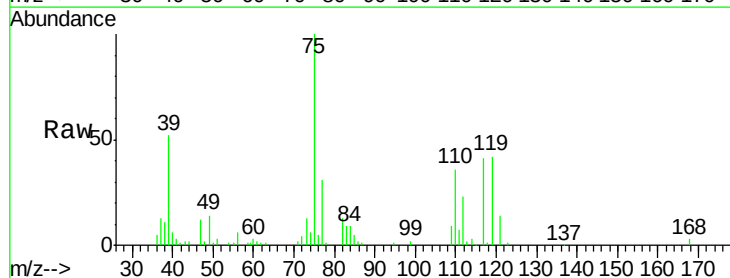
Manual Integrations
APPROVED

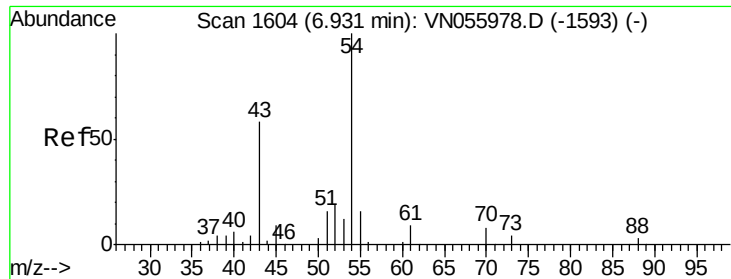
MMDadoda
6/14/2019 9:37:27 AM



#36
1,1-Dichloropropene
Concen: 19.248 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.8	19.0	57.0	
77	32.1	25.1	37.7	





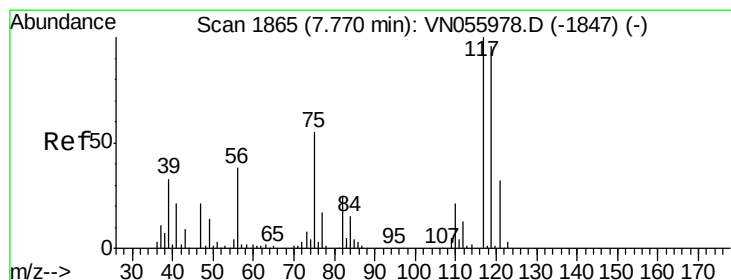
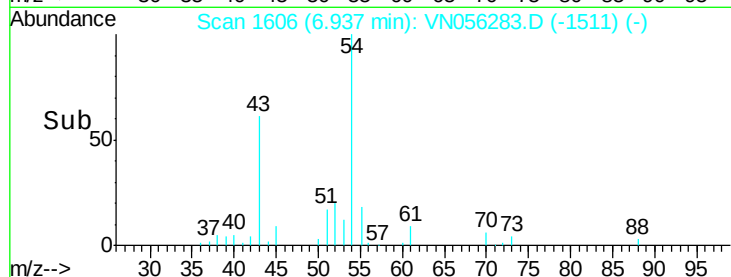
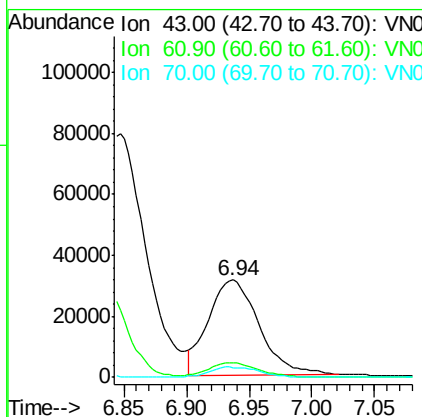
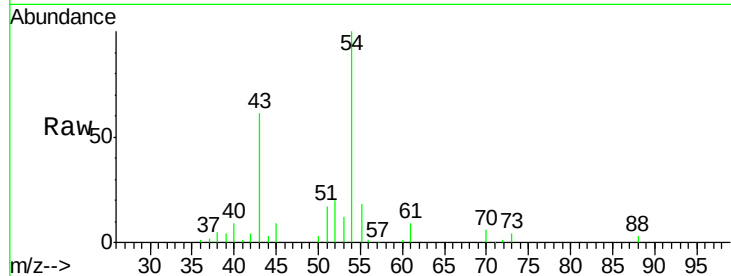
#37
Ethyl Acetate
Concen: 22.249 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	10.7	8.9	13.3

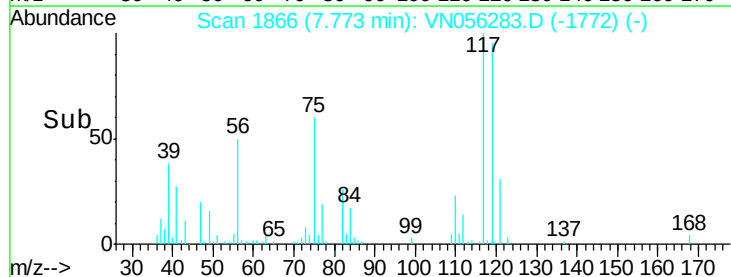
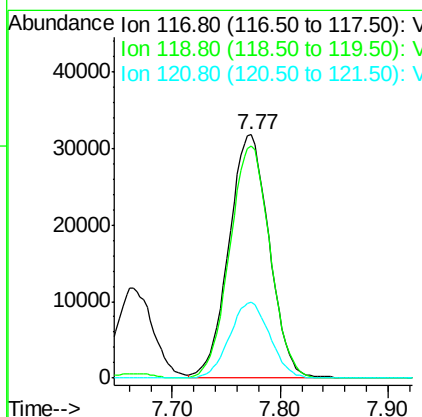
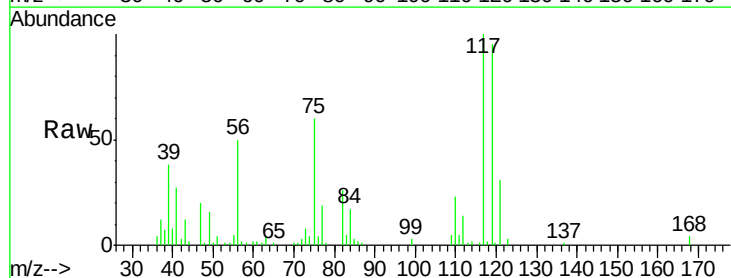
Manual Integrations
APPROVED

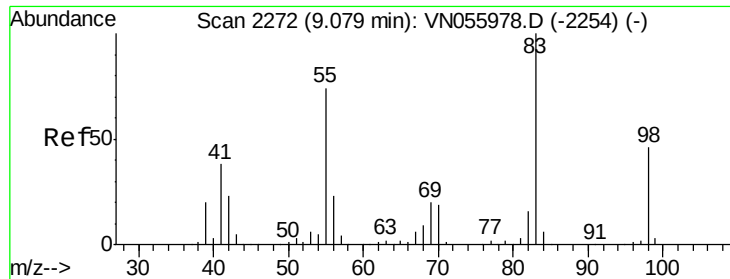
MMDadoda
6/14/2019 9:37:27 AM



#38
Carbon Tetrachloride
Concen: 20.246 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.0	118.6
121	31.1	24.7	37.1





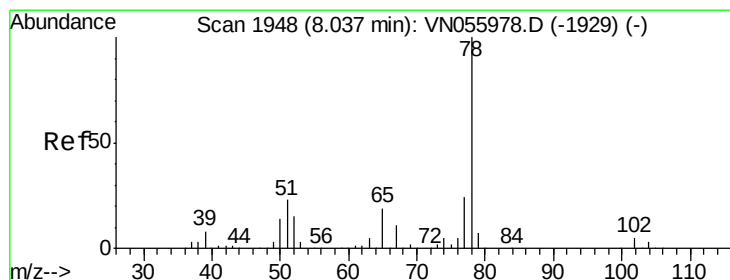
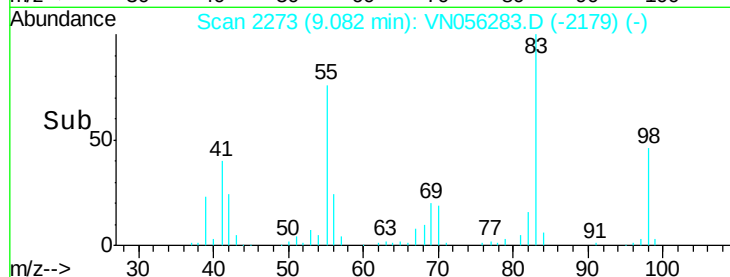
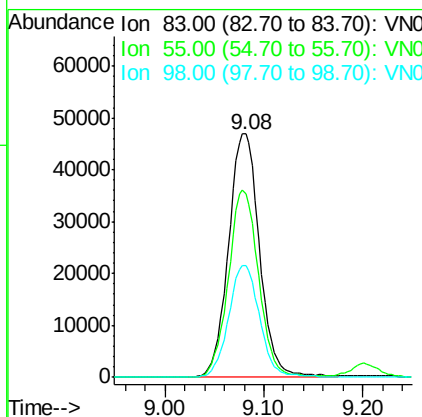
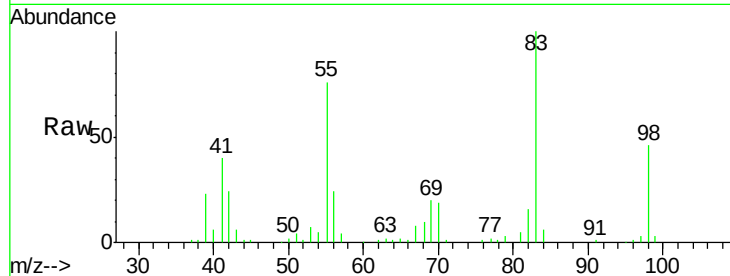
#39
Methylvlcyclohexane
Concen: 18.634 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.3	88.9
98	46.0	36.6	54.8

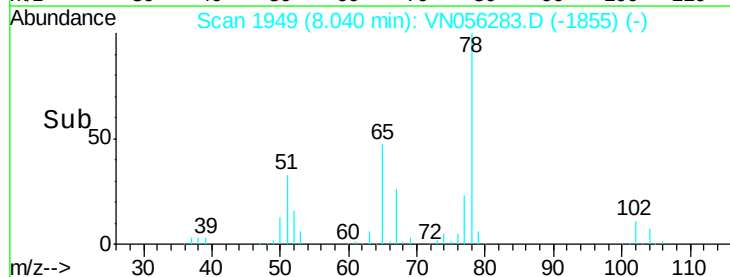
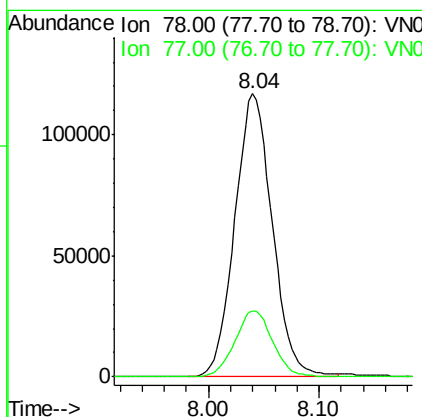
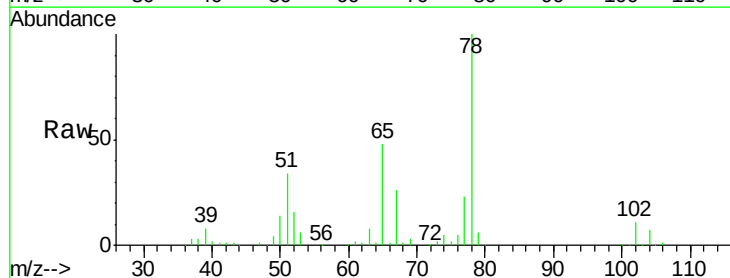
Manual Integrations
APPROVED

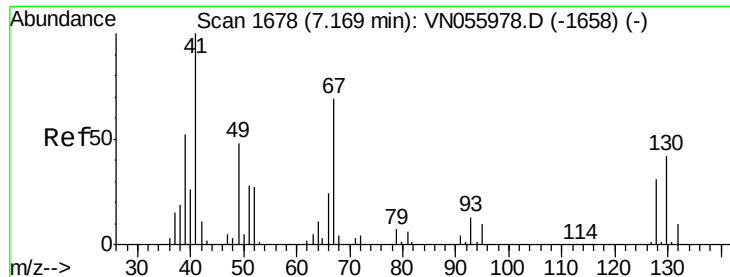
MMDadoda
6/14/2019 9:37:27 AM



#40
Benzene
Concen: 20.441 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





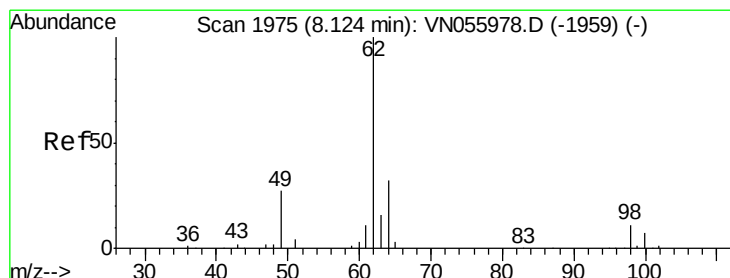
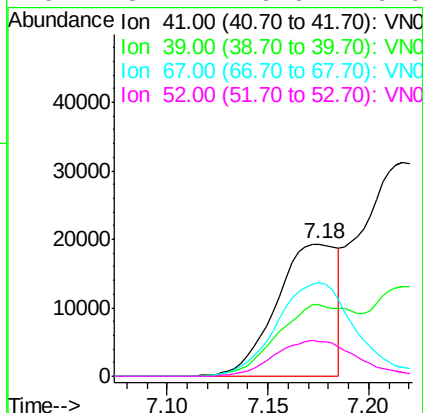
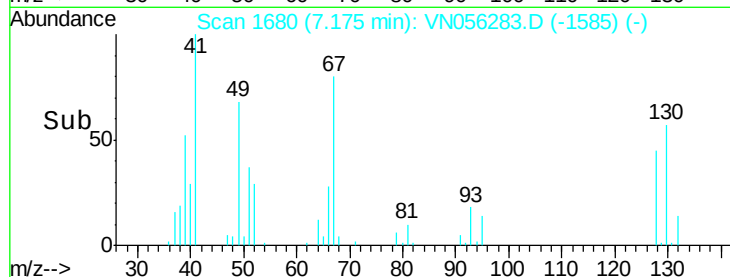
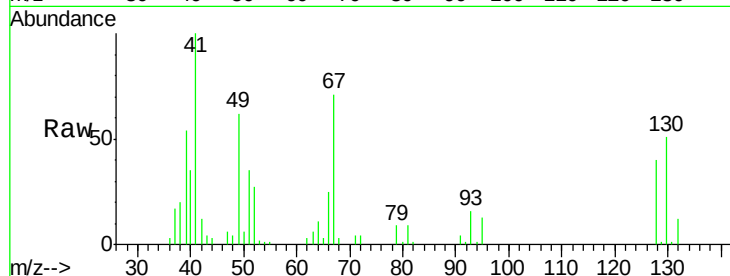
#41
Methacrylonitrile
Concen: 22.254 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	71.4	45.6	68.4#
67	67	92.5	67.7	101.5
52	52	37.1	26.6	40.0

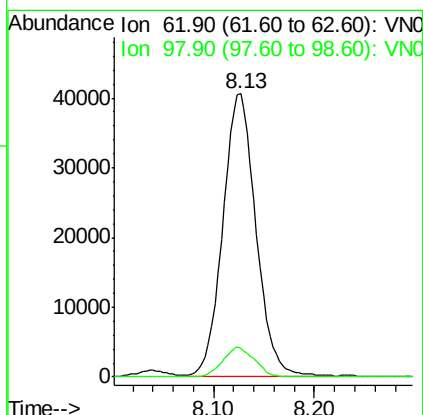
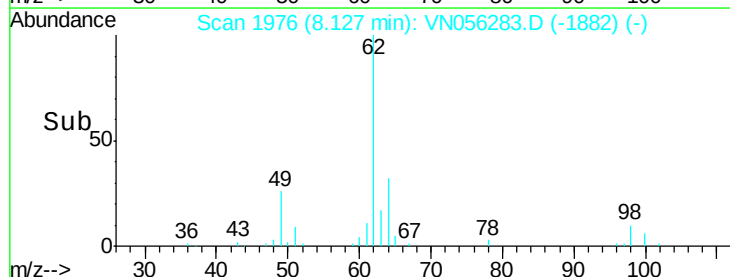
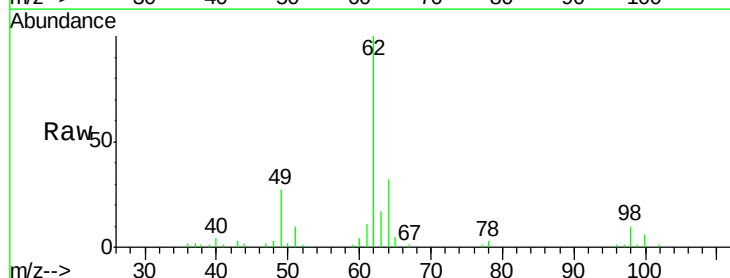
Manual Integrations
APPROVED

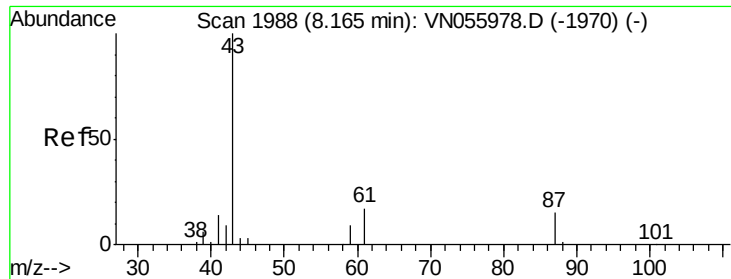
MMDadoda
6/14/2019 9:37:27 AM



#42
1,2-Dichloroethane
Concen: 21.343 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.130 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

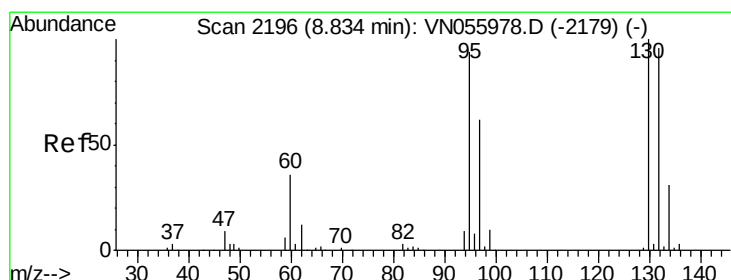
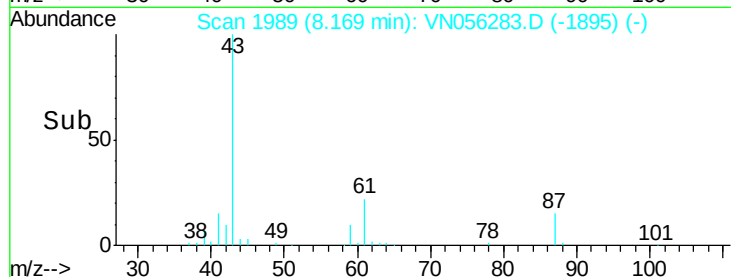
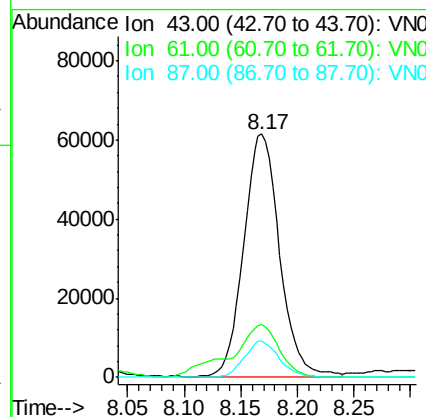
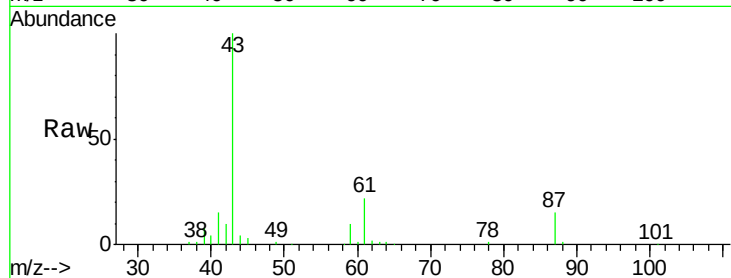
ClientSampleId :

VN0613WBS01

Tot Ion:	43	Resp:	135169
Ion	Ratio	Lower	Upper
43	100		
61	29.4	22.2	33.4
87	14.5	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#44

Trichloroethene

Concen: 19.355 ug/l

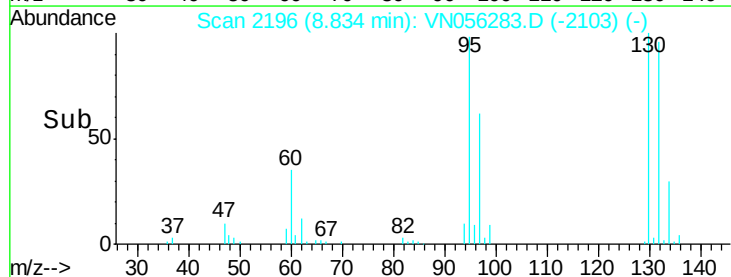
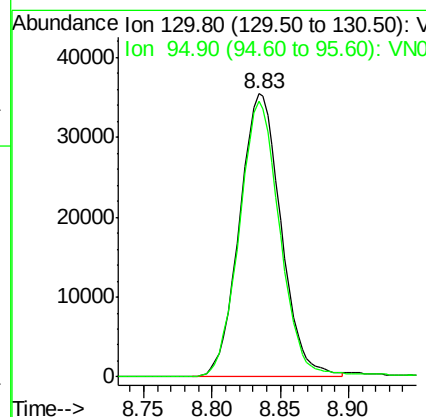
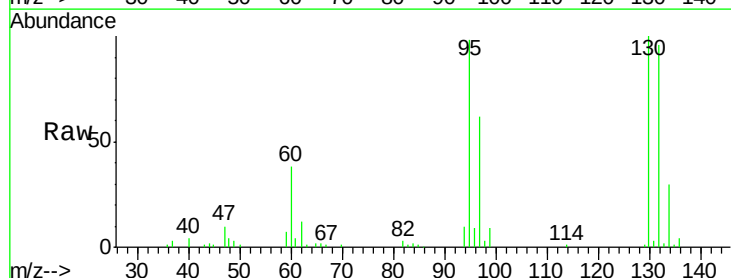
RT: 8.83 min Scan# 2196

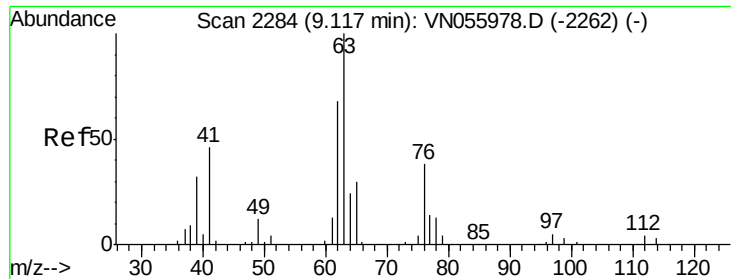
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	130	Resp:	74946
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	188.0





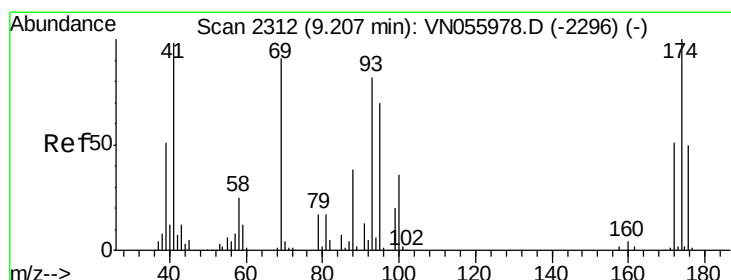
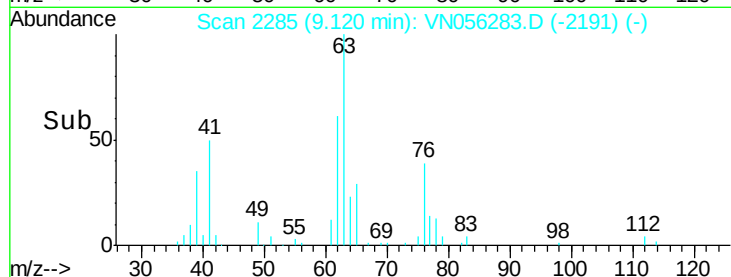
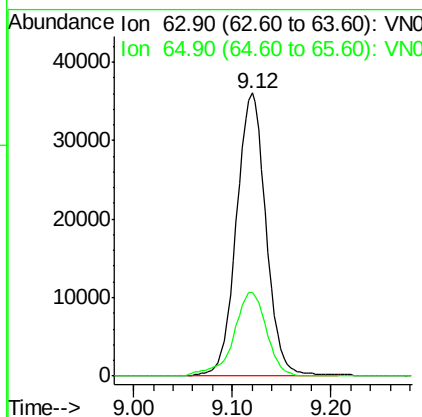
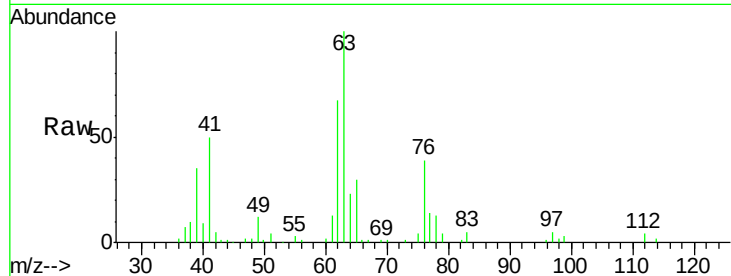
#45
 1,2-Dichloropropane
 Concen: 21.713 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion: 63 Resp: 74945
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.6 36.8

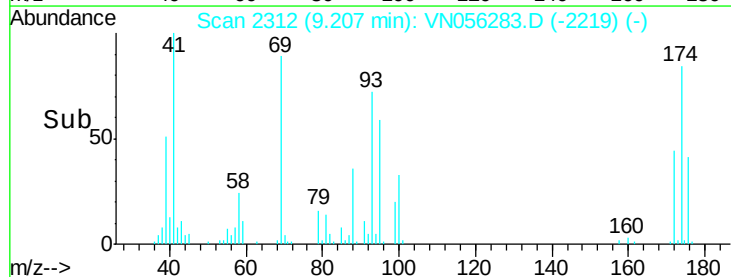
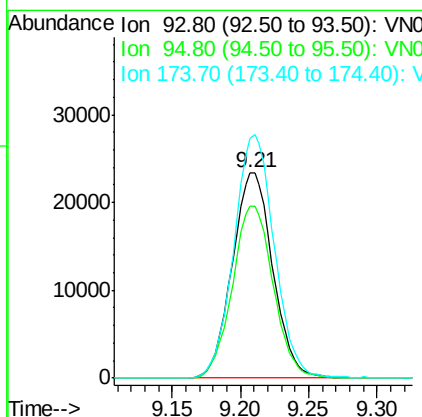
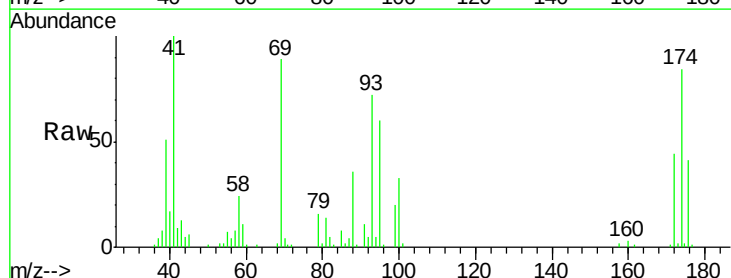
Manual Integrations
 APPROVED

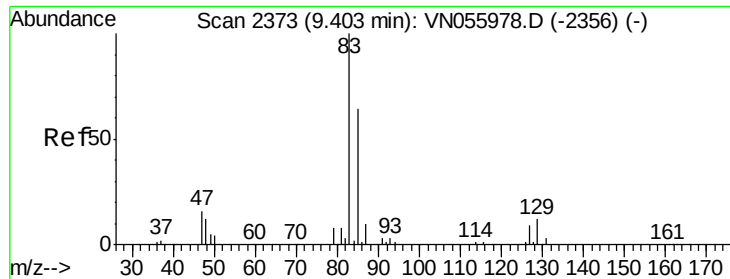
MMDadoda
 6/14/2019 9:37:27 AM



#46
 Dibromomethane
 Concen: 21.402 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion: 93 Resp: 48307
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 118.0 96.4 144.6





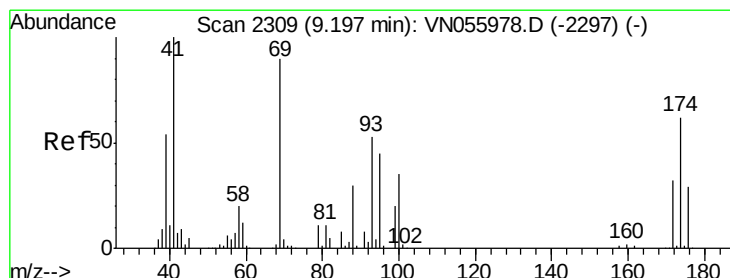
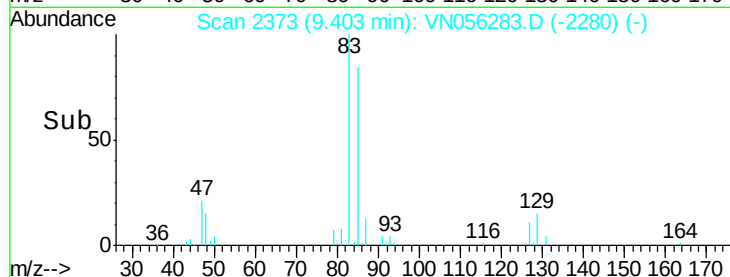
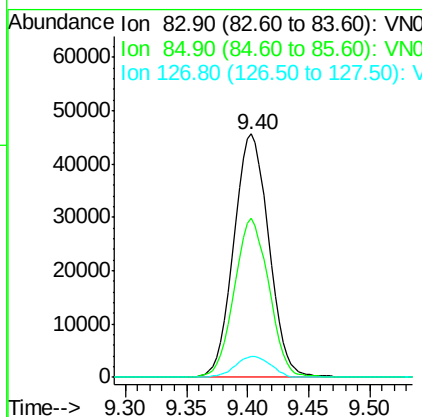
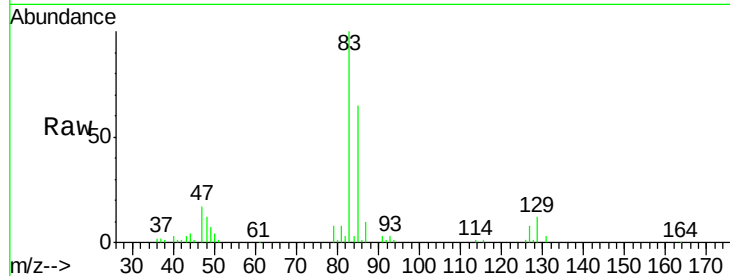
#47
Bromodichloromethane
Concen: 22.217 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	83	Resp	90885
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	52.2	78.2
127	8.5	7.4	11.0

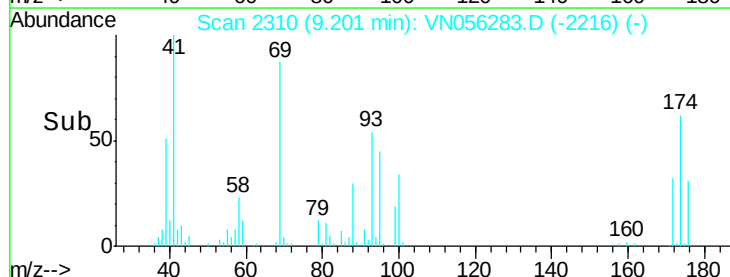
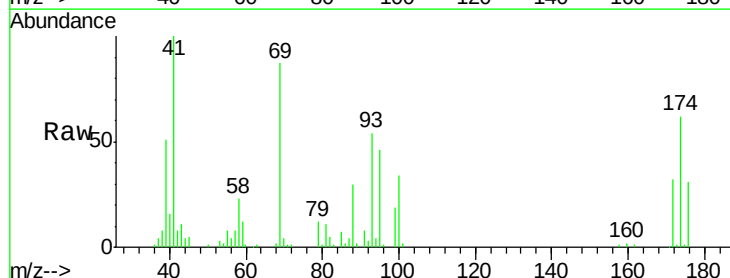
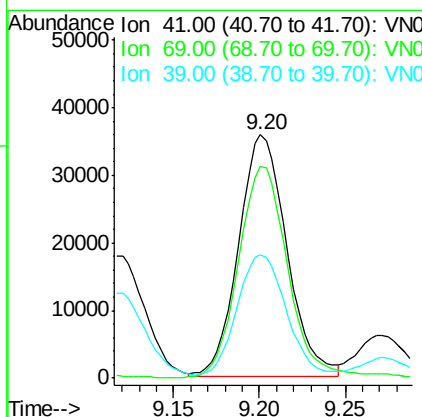
Manual Integrations
APPROVED

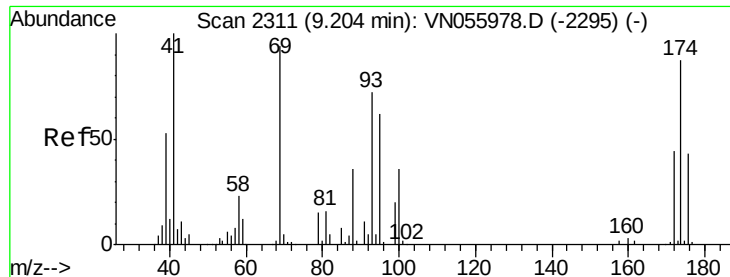
MMDadoda
6/14/2019 9:37:27 AM



#48
Methyl methacrylate
Concen: 22.284 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	41	Resp	69738
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	71.0	106.6
39	52.4	44.2	66.2





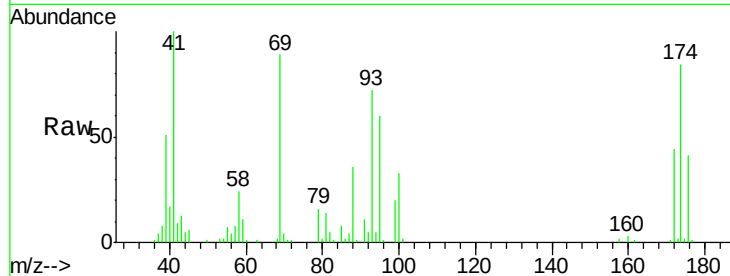
#49
1,4-Dioxane
Concen: 447.801 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	88	Resp	30255
Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	63.9	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM

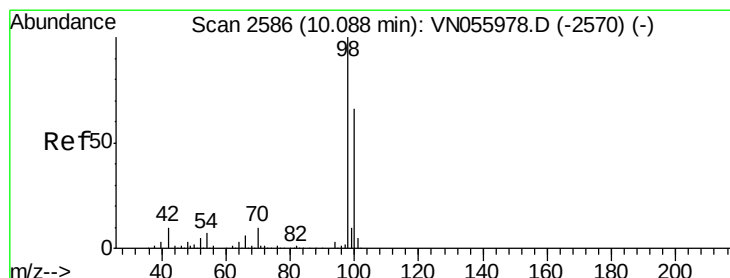
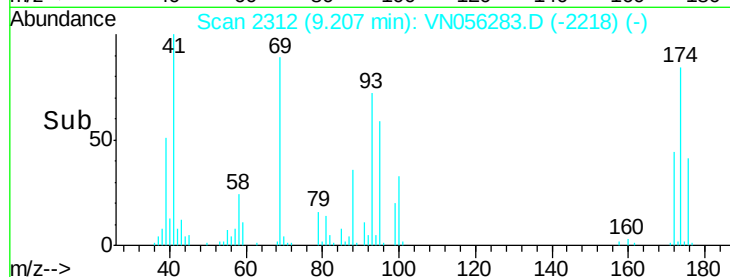
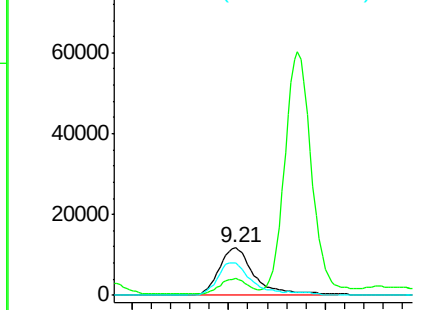


Abundance

Ion 88.00 (87.70 to 88.70): VN0

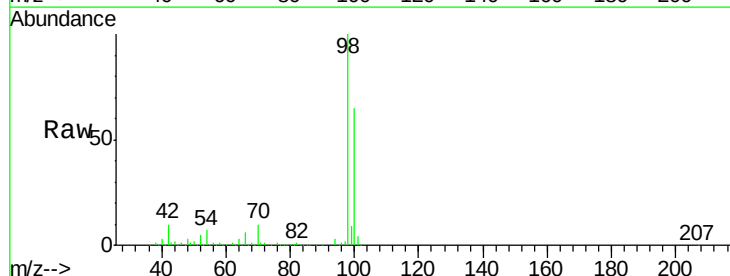
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.768 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

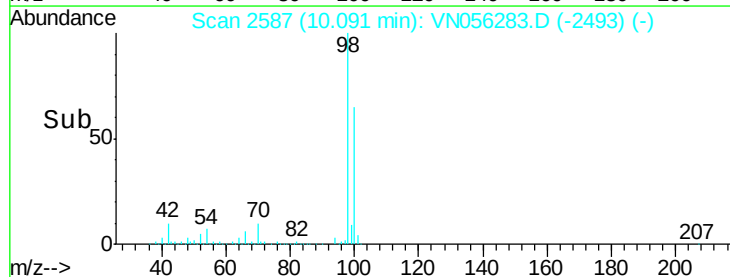
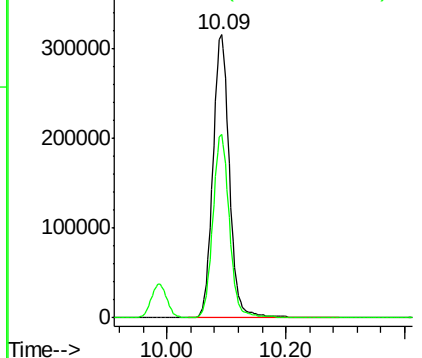
Tgt Ion	98	Resp	606254
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9

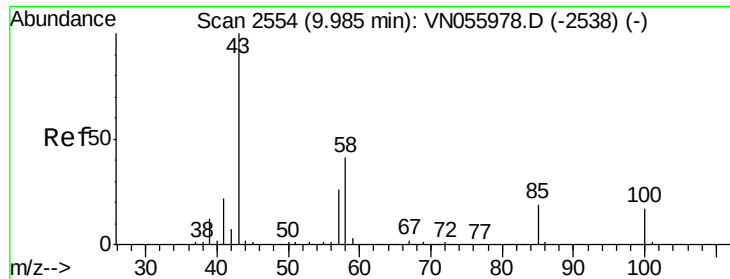


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 112.999 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0613WBS01

Tot Ion: 43 Resp: 452032

Ion Ratio Lower Upper

43 100

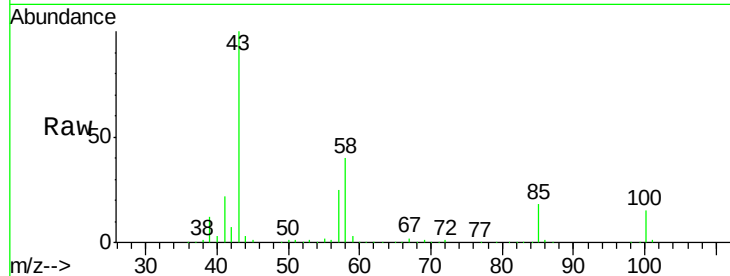
58 40.0 32.1 48.1

Manual Integrations

APPROVED

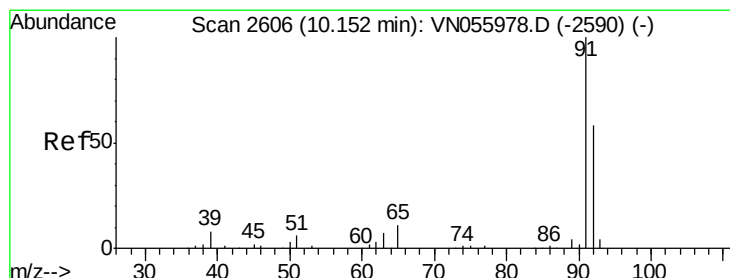
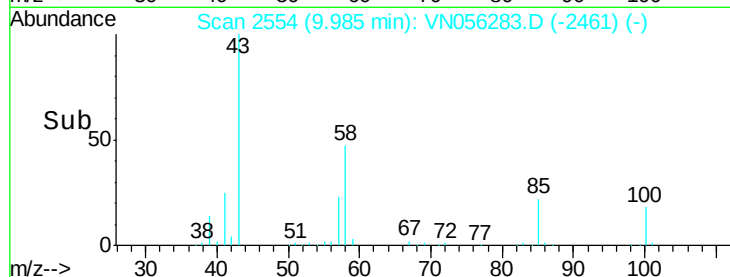
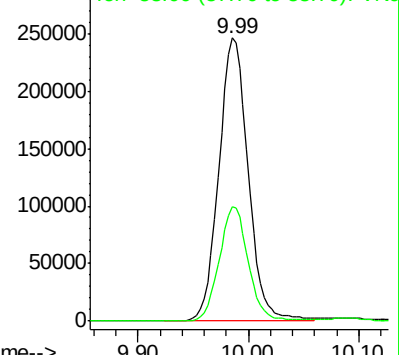
MMDadoda

6/14/2019 9:37:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.271 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056283.D

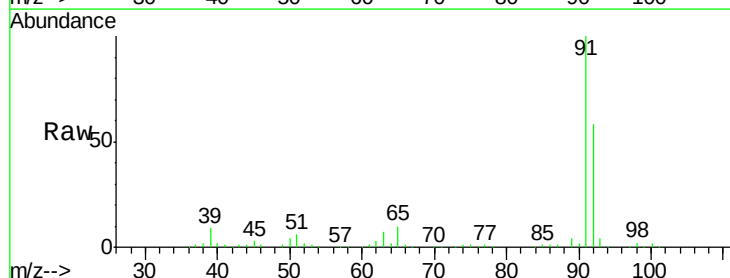
Acq: 13 Jun 2019 15:55

Tgt Ion: 92 Resp: 169977

Ion Ratio Lower Upper

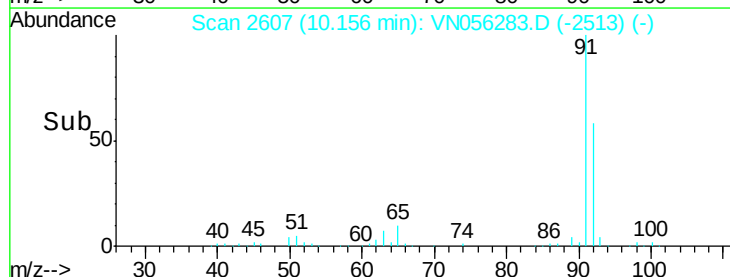
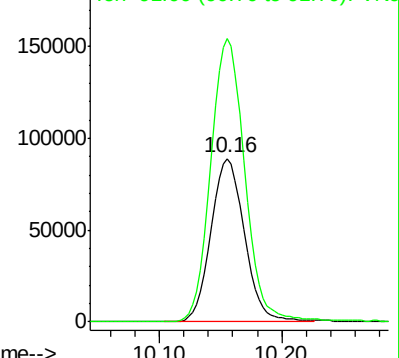
92 100

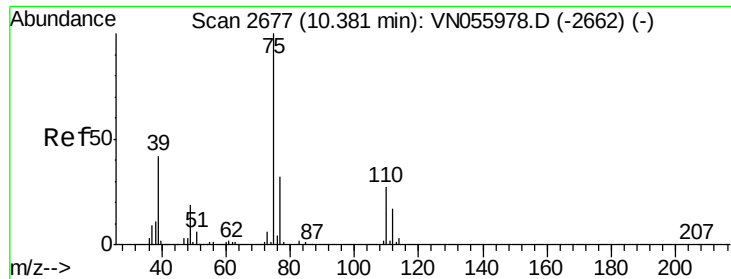
91 175.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





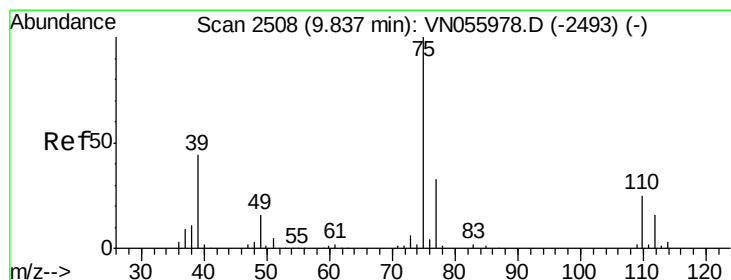
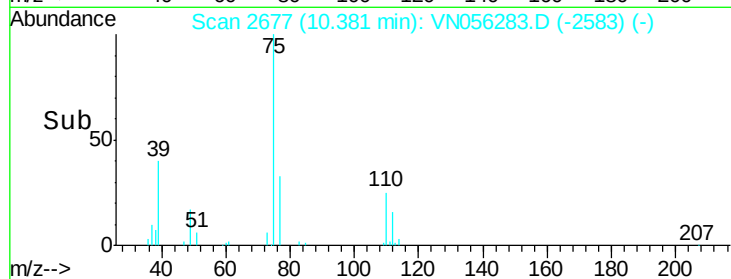
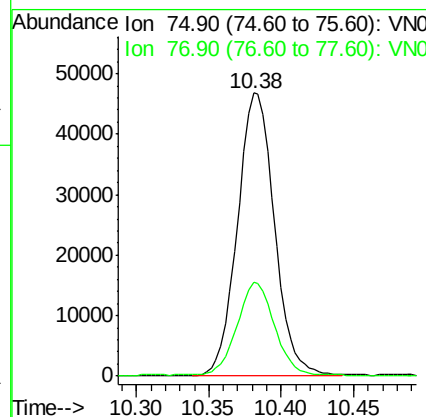
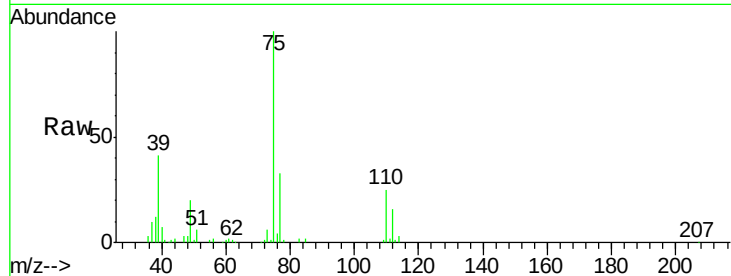
#53
t-1,3-Dichloropropene
Concen: 18.909 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6

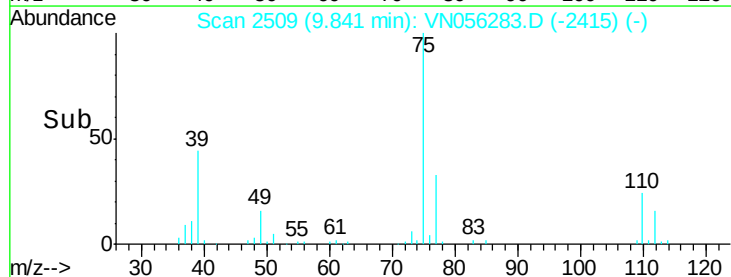
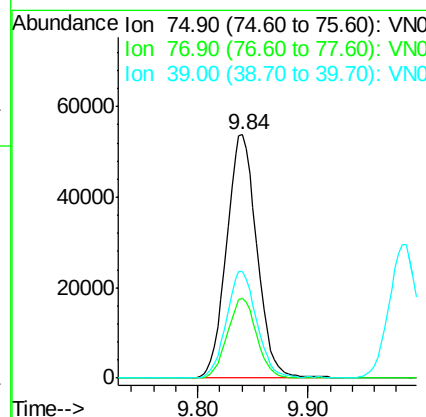
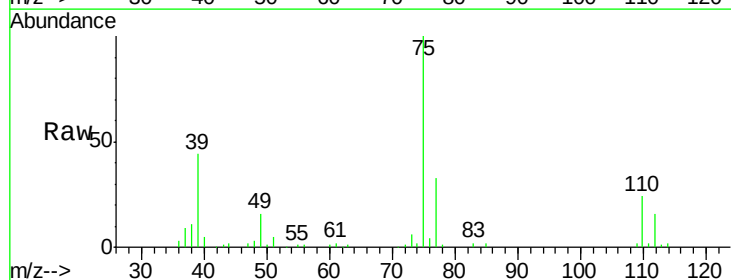
Manual Integrations
APPROVED

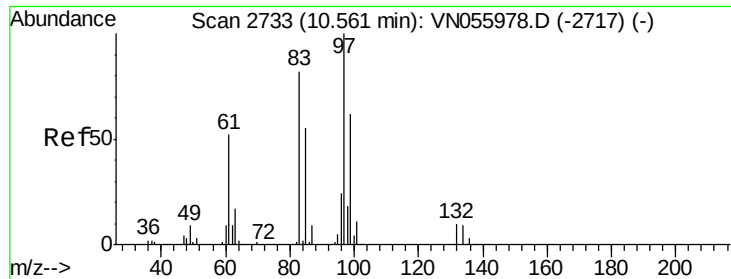
MMDadoda
6/14/2019 9:37:27 AM



#54
cis-1,3-Dichloropropene
Concen: 20.878 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	43.7	36.3	54.5





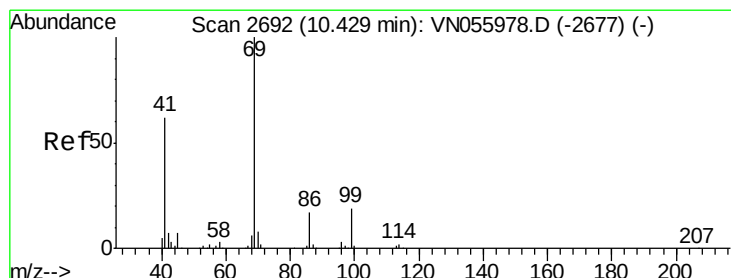
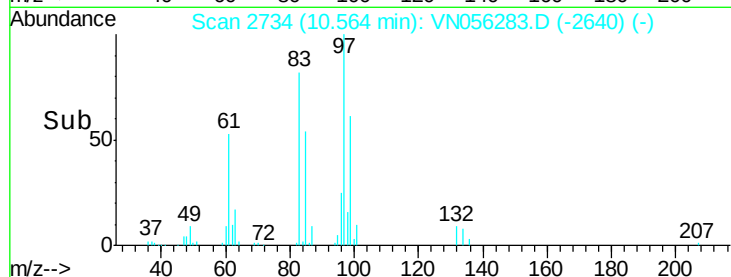
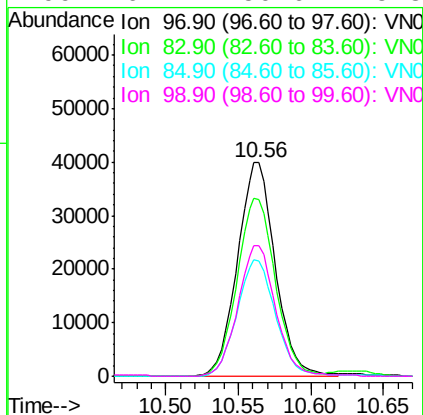
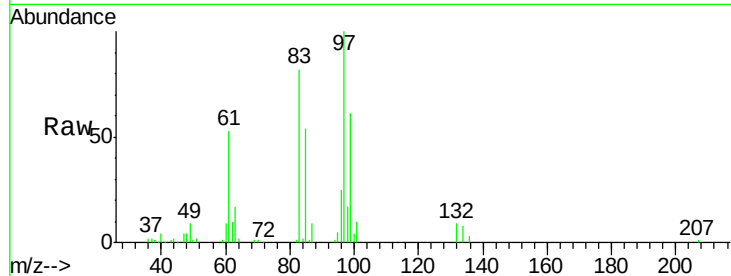
#55
 1,1,2-Trichloroethane
 Concen: 21.694 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion:	97	Resp:	72056
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.0	100.6
85	54.0	44.0	66.0
99	61.4	50.6	75.8

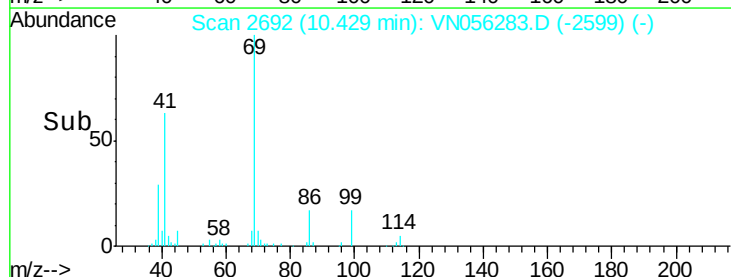
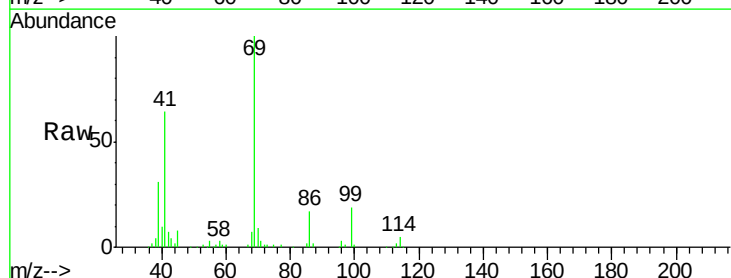
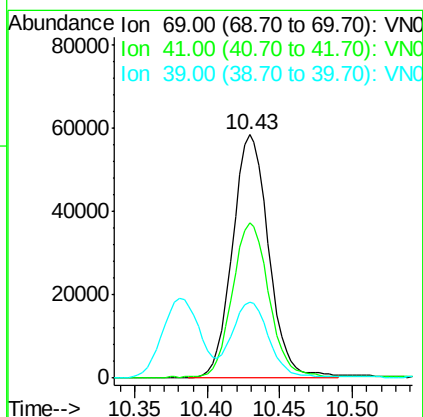
Manual Integrations
 APPROVED

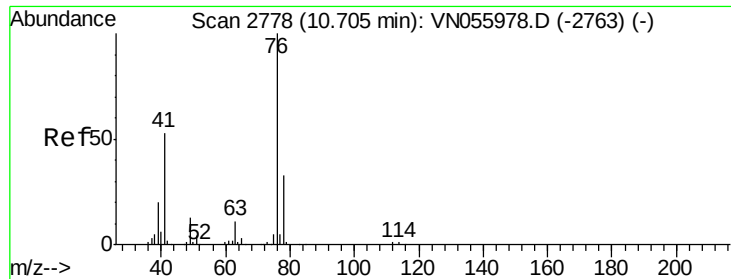
MMDadoda
 6/14/2019 9:37:27 AM



#56
 Ethyl methacrylate
 Concen: 21.018 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion:	69	Resp:	101846
Ion	Ratio	Lower	Upper
69	100		
41	64.3	49.7	74.5
39	31.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 22.106 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 76 Resp: 119360

Ion Ratio Lower Upper

76 100

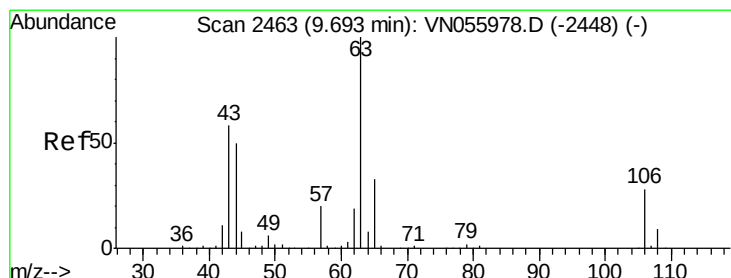
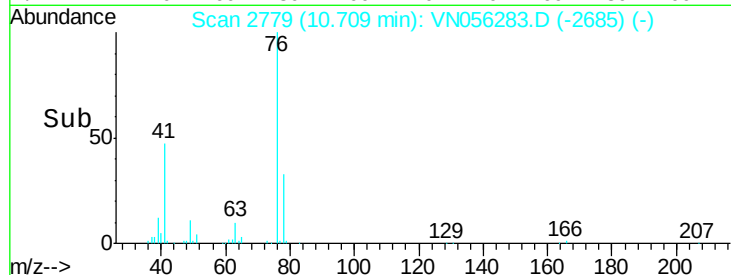
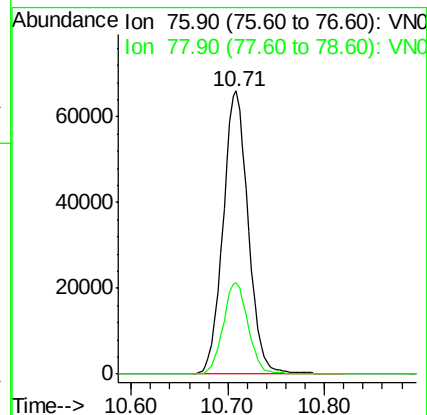
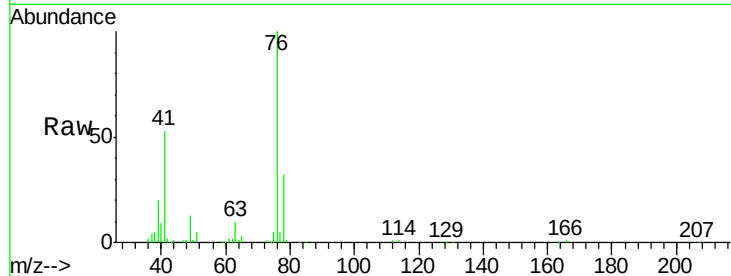
78 31.9 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.989 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056283.D

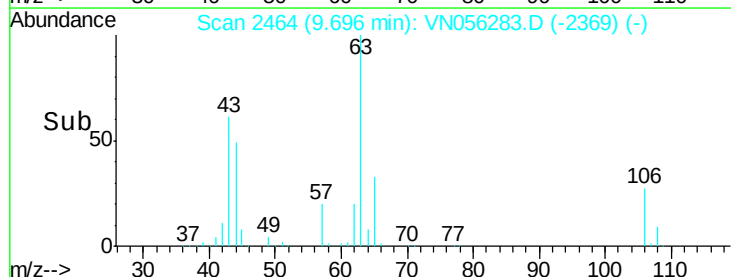
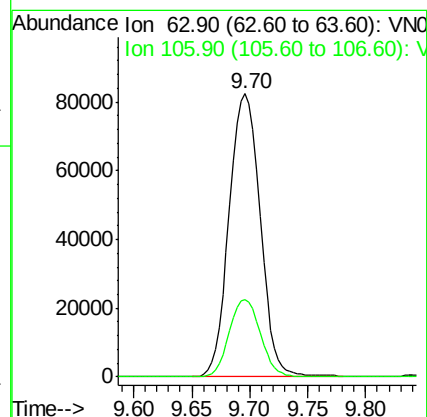
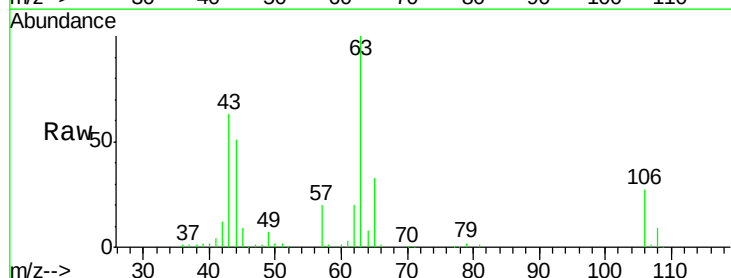
Acq: 13 Jun 2019 15:55

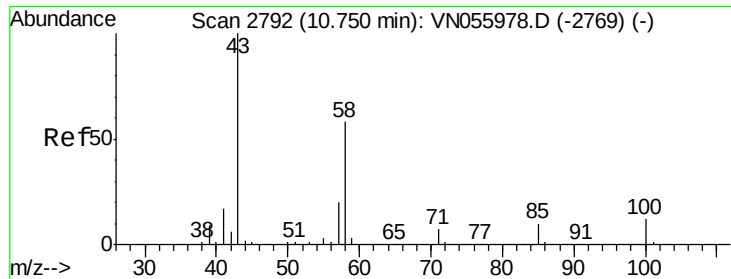
Tgt Ion: 63 Resp: 153441

Ion Ratio Lower Upper

63 100

106 27.3 22.7 34.1





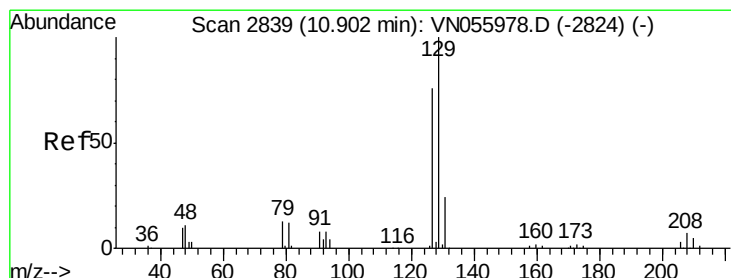
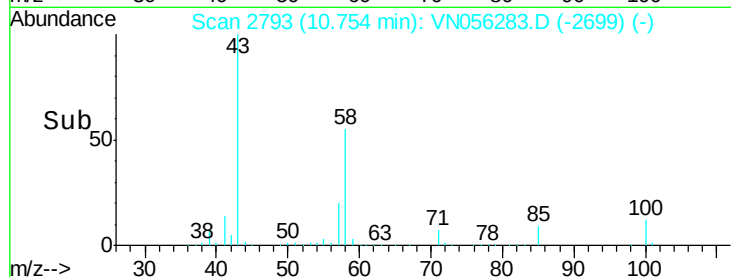
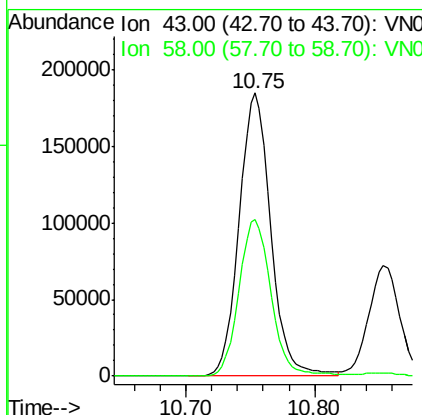
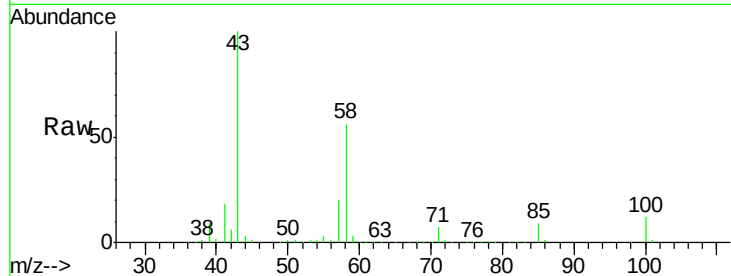
#59
2-Hexanone
Concen: 108.479 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion: 43 Resp: 314519
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7

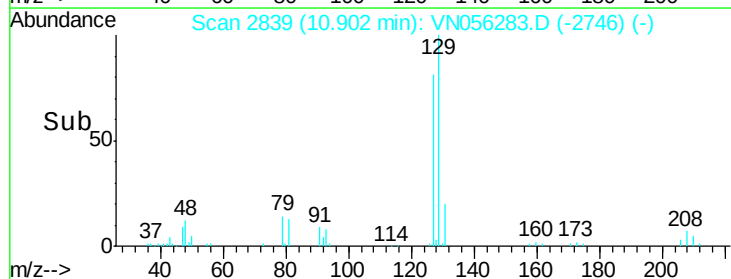
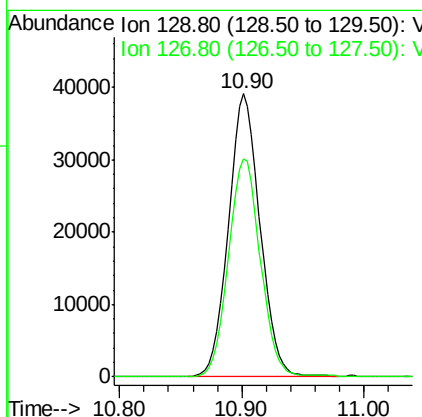
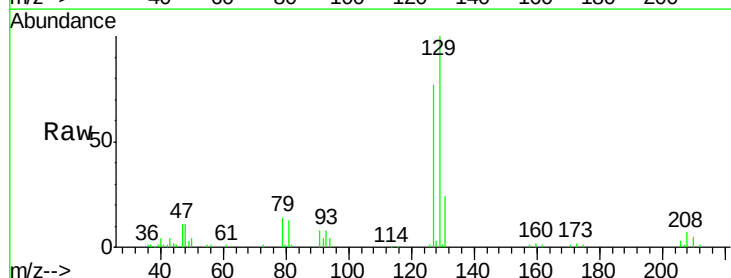
Manual Integrations
APPROVED

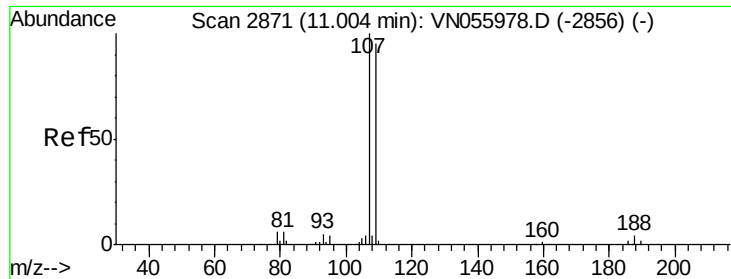
MMDadoda
6/14/2019 9:37:27 AM



#60
Dibromochloromethane
Concen: 20.796 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion: 129 Resp: 70666
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3





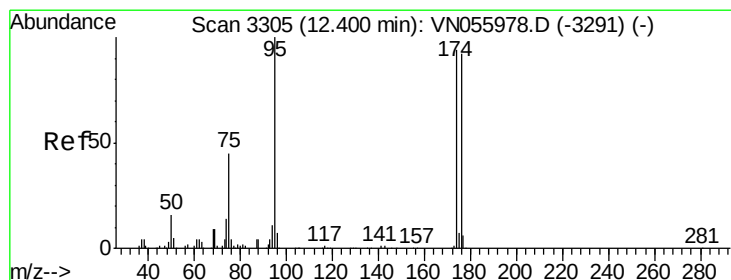
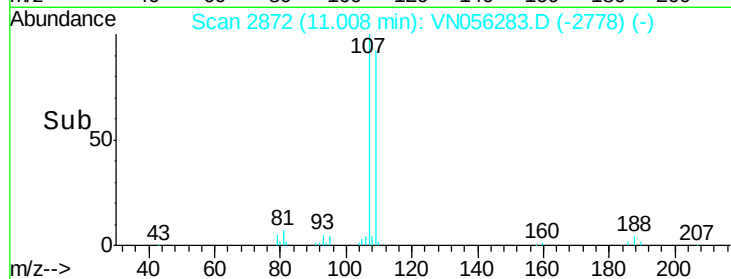
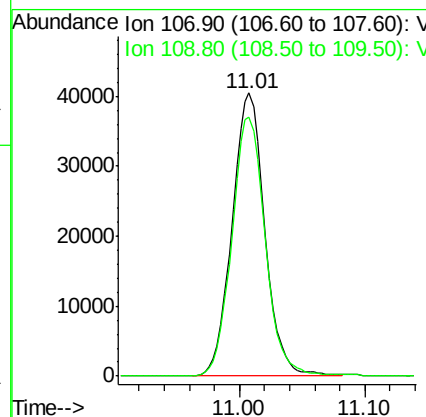
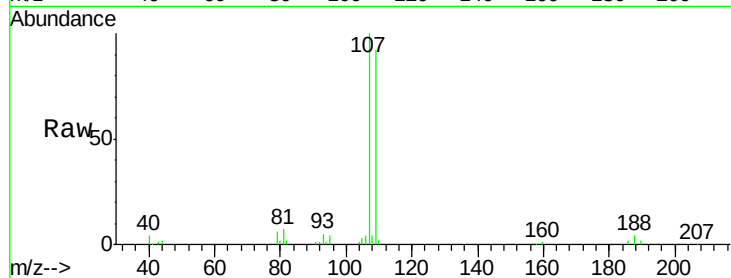
#61
 1,2-Dibromoethane
 Concen: 21.545 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion: 107 Resp: 73156
 Ion Ratio Lower Upper
 107 100
 109 94.0 74.8 112.2

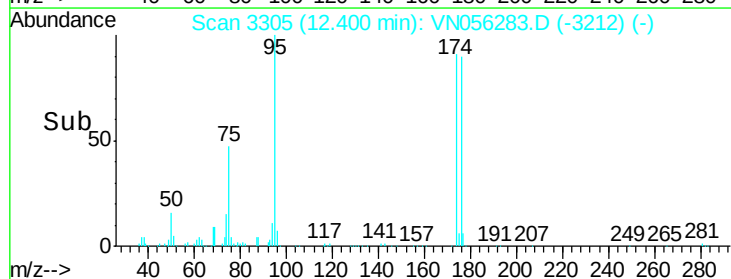
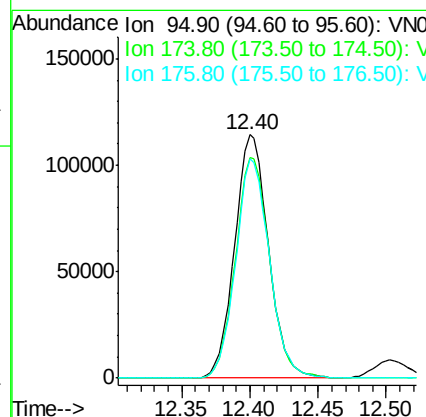
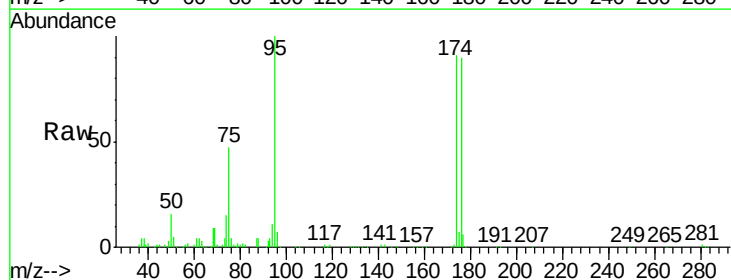
Manual Integrations
 APPROVED

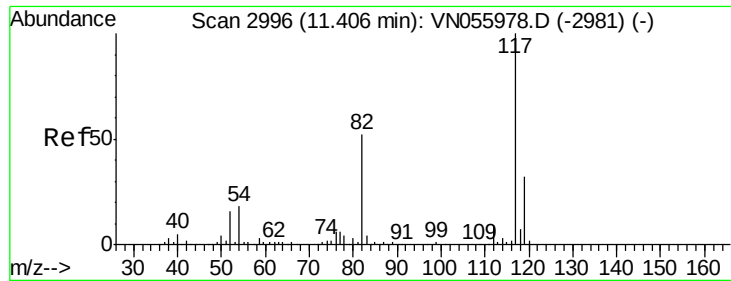
MMDadoda
 6/14/2019 9:37:27 AM



#62
 4-Bromofluorobenzene
 Concen: 47.662 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion: 95 Resp: 197449
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 191.0
 176 89.5 0.0 185.2





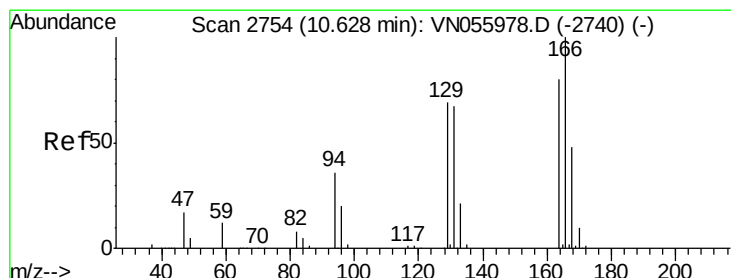
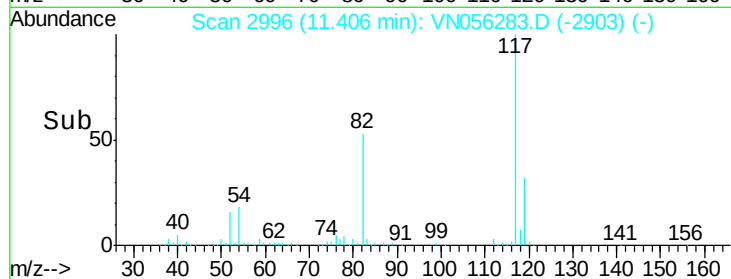
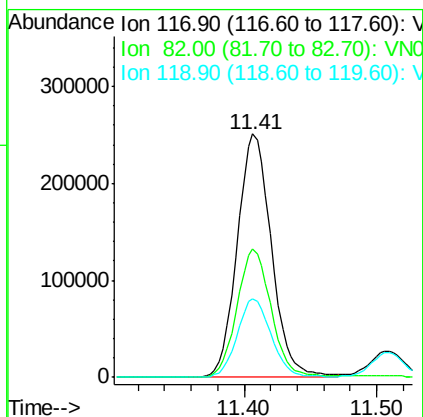
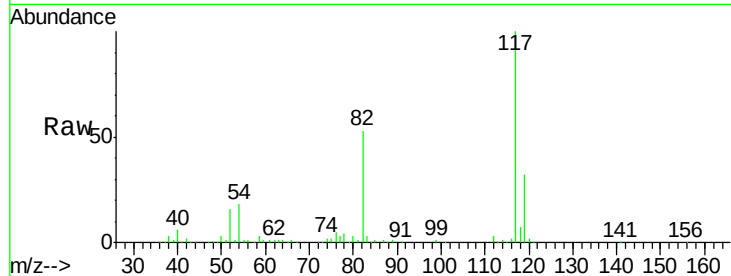
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.4	25.4	38.0

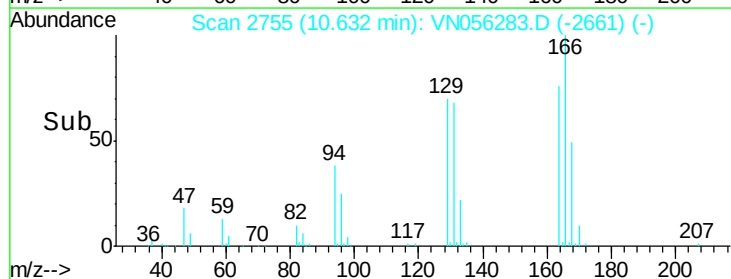
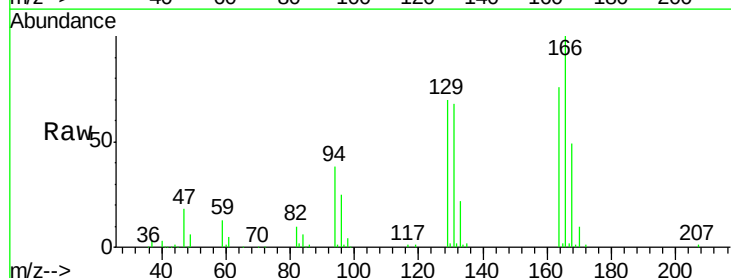
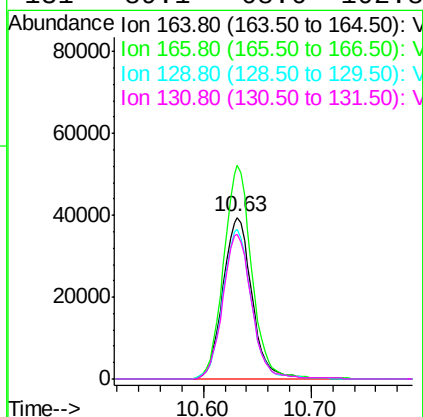
Manual Integrations
APPROVED

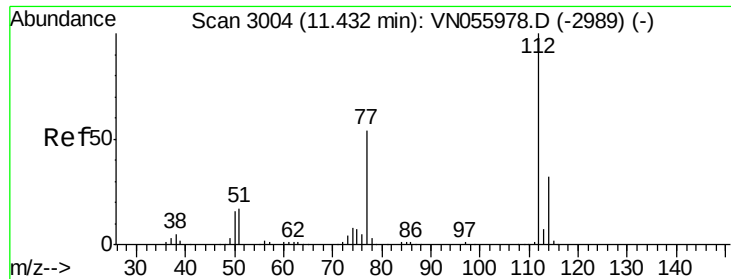
MMDadoda
6/14/2019 9:37:27 AM



#64
Tetrachloroethene
Concen: 18.914 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.0	154.6
129	92.8	70.6	105.8
131	89.1	68.6	102.8





#65

Chlorobenzene

Concen: 20.606 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0613WBS01

Tot Ion:112 Resp: 184937

Ion Ratio Lower Upper

112 100

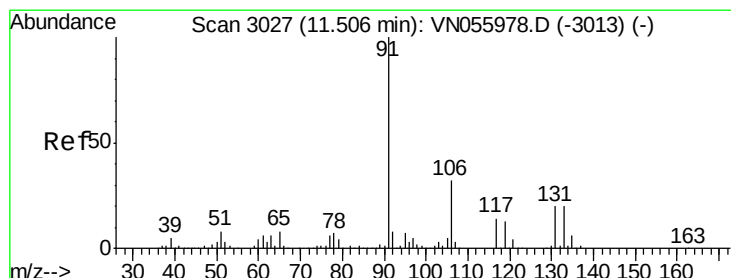
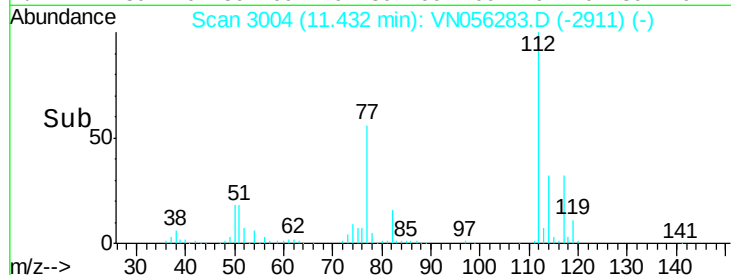
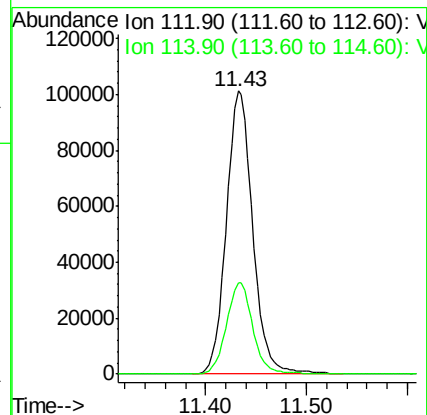
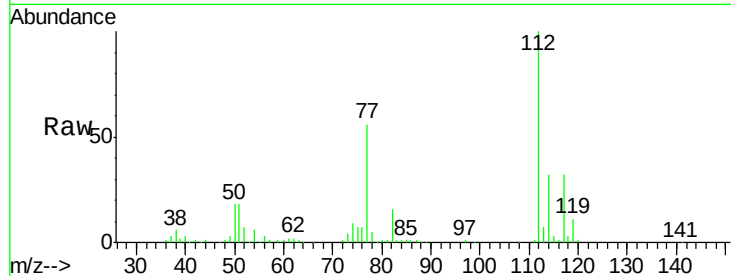
114 32.1 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.967 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

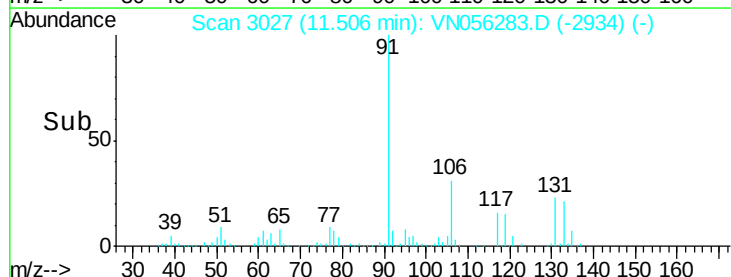
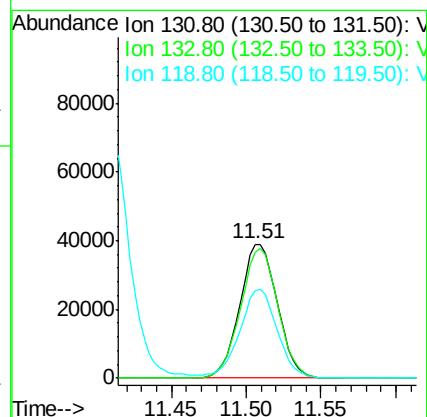
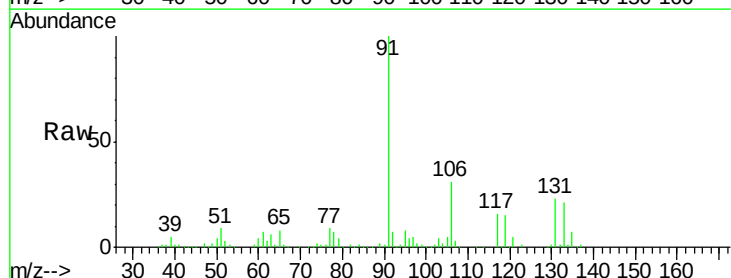
Tgt Ion:131 Resp: 68075

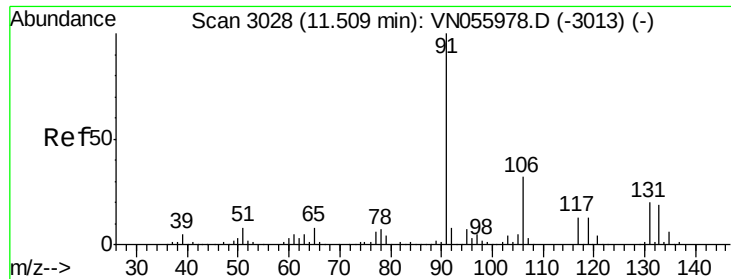
Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.0

119 66.8 33.1 99.5





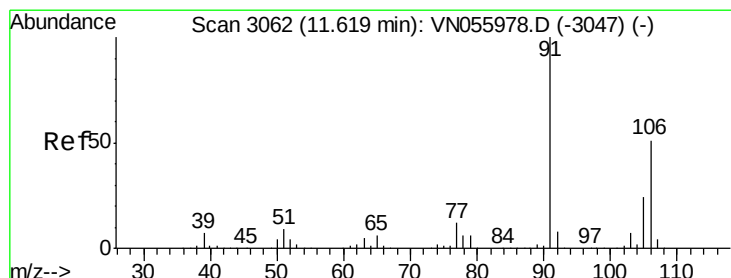
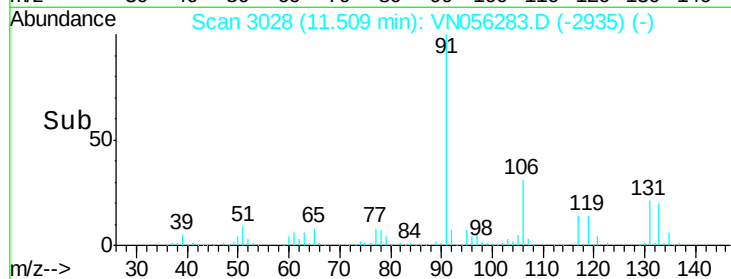
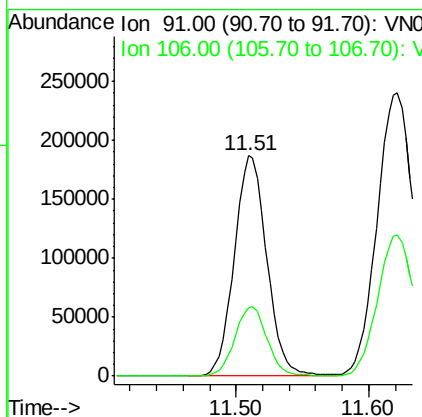
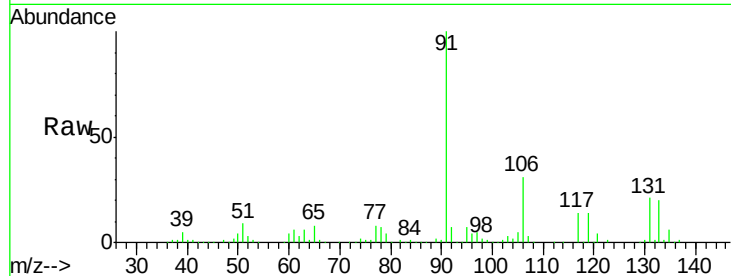
#67
Ethyl Benzene
Concen: 20.471 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0613WBS01

Tot Ion: 91 Resp: 319477
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

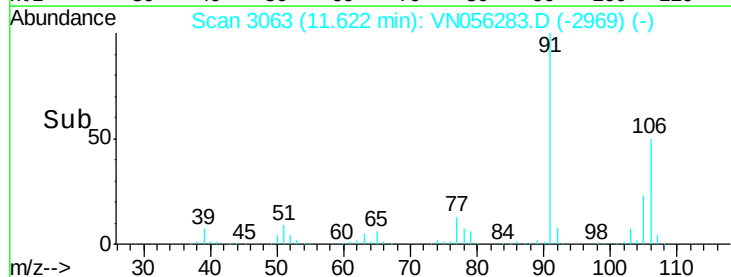
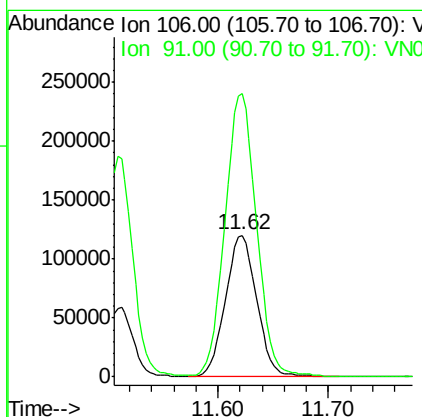
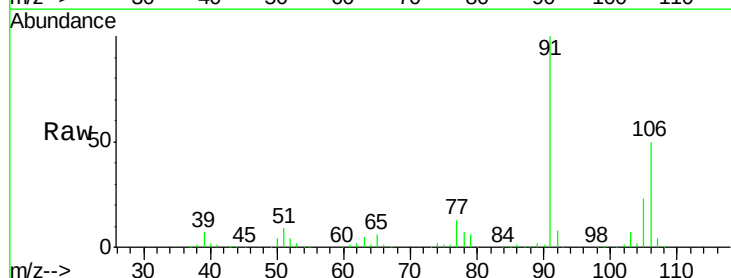
Manual Integrations
APPROVED

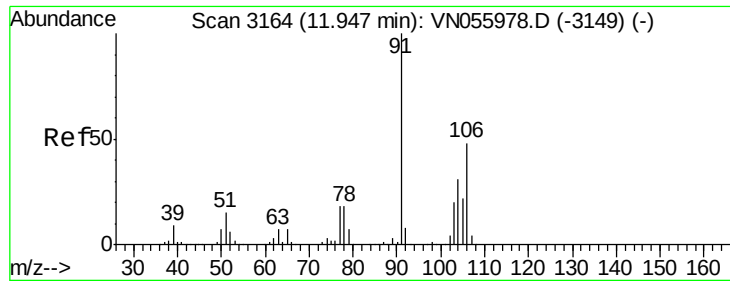
MMDadoda
6/14/2019 9:37:27 AM



#68
m/p-Xylenes
Concen: 39.647 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion: 106 Resp: 236364
Ion Ratio Lower Upper
106 100
91 201.9 159.3 238.9





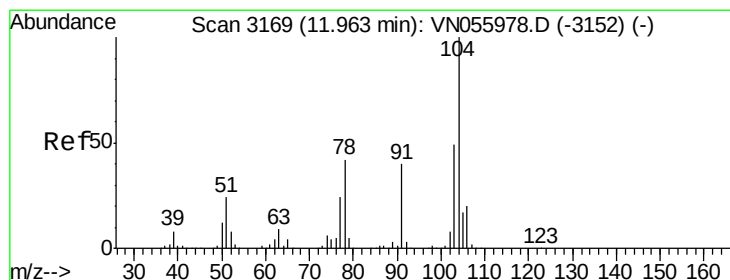
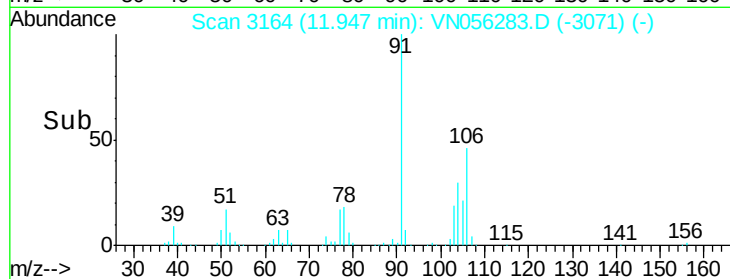
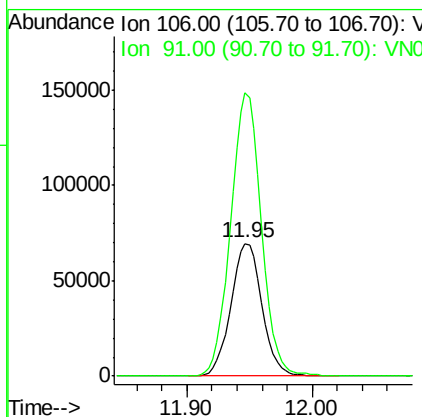
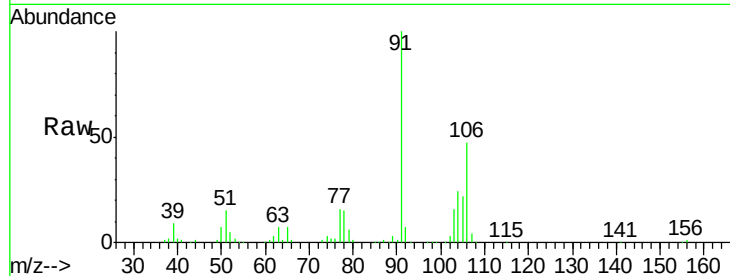
#69
o-Xylene
Concen: 20.403 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion:106 Resp: 119646
Ion Ratio Lower Upper
106 100
91 211.0 104.7 314.1

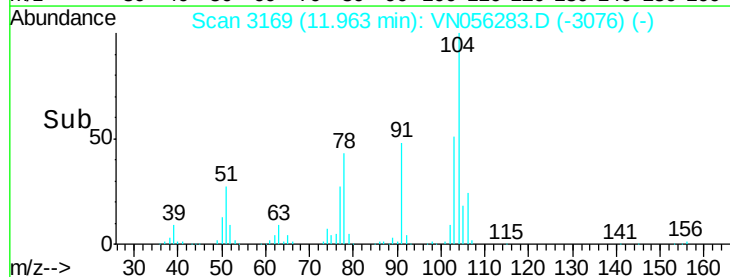
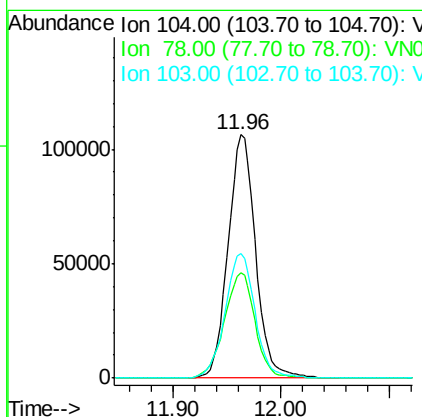
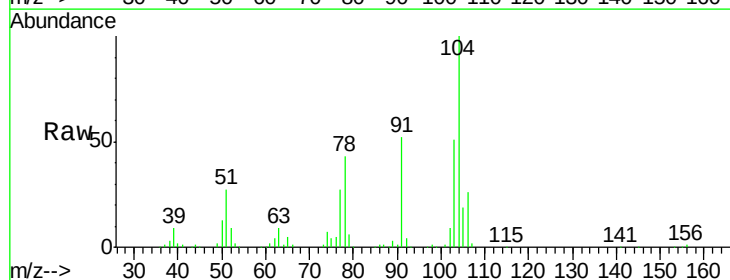
Manual Integrations
APPROVED

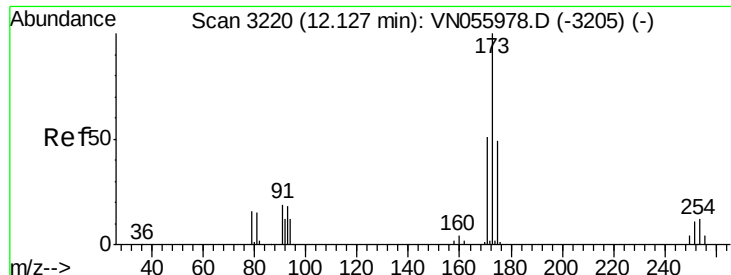
MMDadoda
6/14/2019 9:37:27 AM



#70
Styrene
Concen: 20.336 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion:104 Resp: 189483
Ion Ratio Lower Upper
104 100
78 48.4 37.8 56.6
103 55.6 44.2 66.2





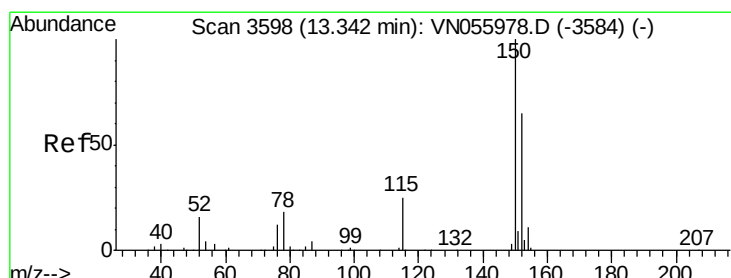
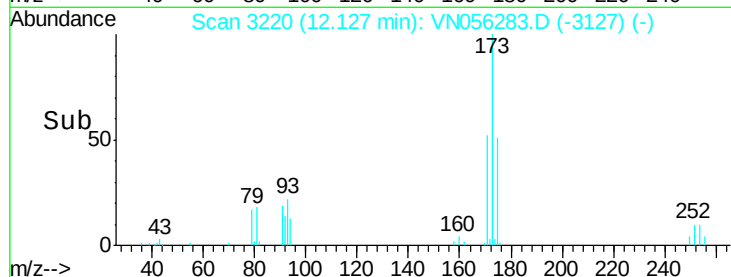
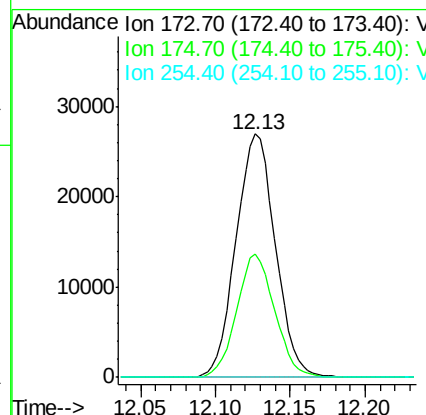
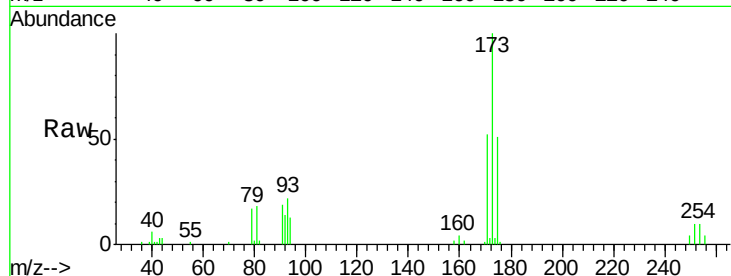
#71
Bromoform
Concen: 20.676 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

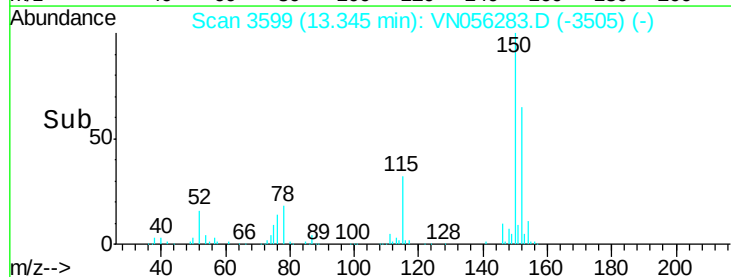
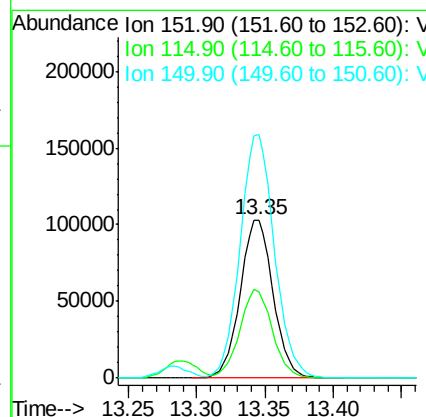
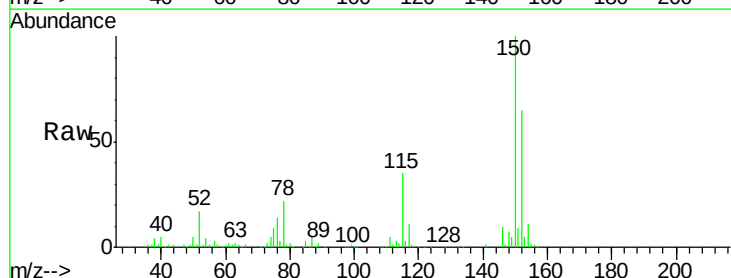
Manual Integrations
APPROVED

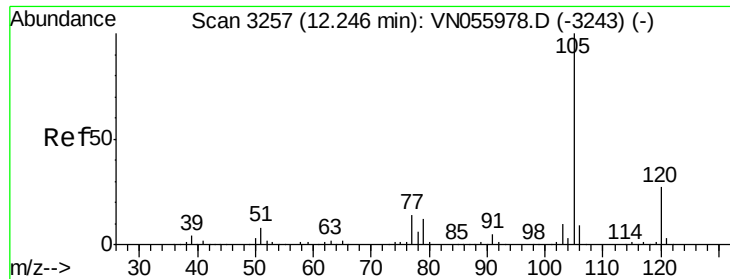
MMDadoda
6/14/2019 9:37:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.0	81.0
150	161.6	0.0	343.2





#73

Isopropylbenzene

Concen: 24.545 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 105 Resp: 315813

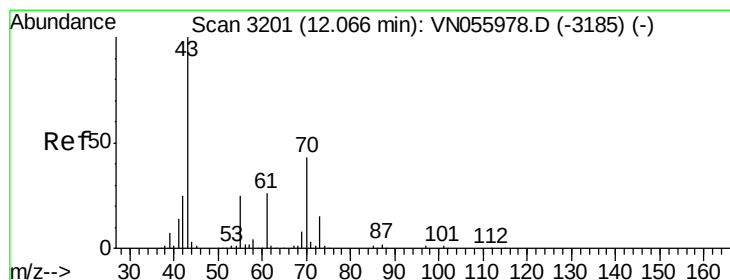
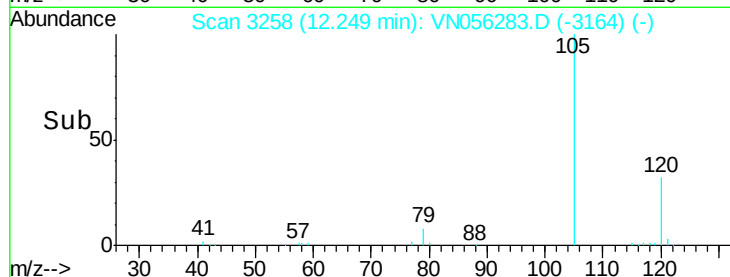
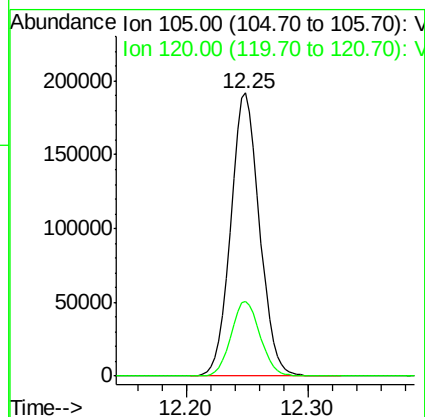
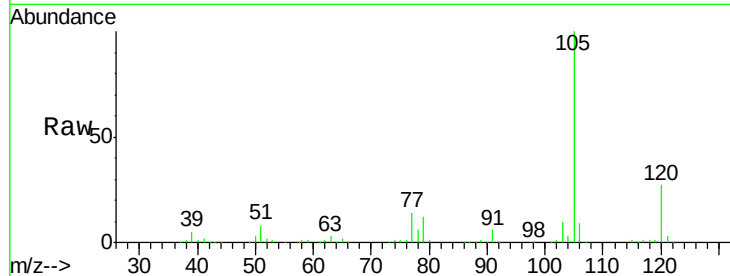
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#74

N-ethyl acetate

Concen: 23.040 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion: 43 Resp: 105562

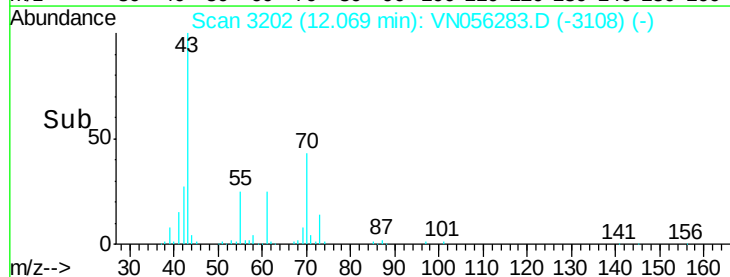
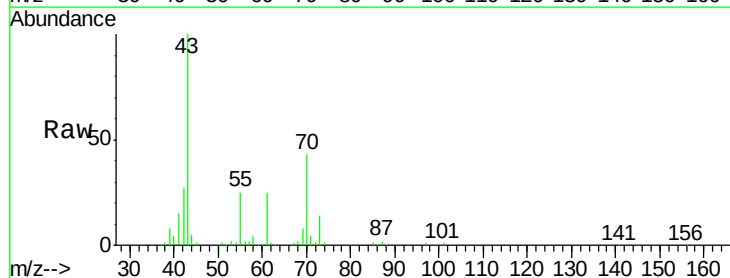
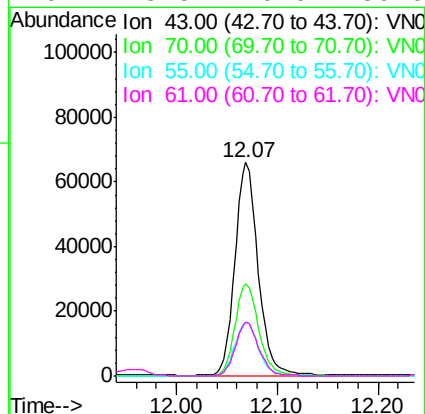
Ion Ratio Lower Upper

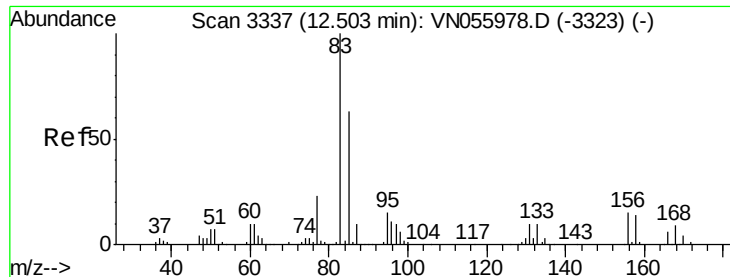
43 100

70 44.4 34.0 51.0

55 26.4 18.6 28.0

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.692 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

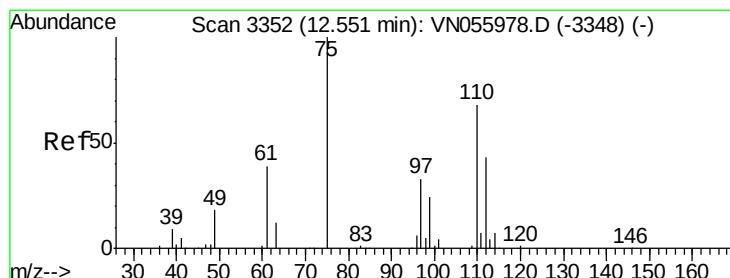
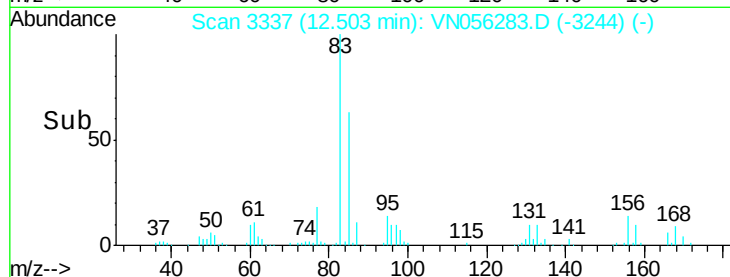
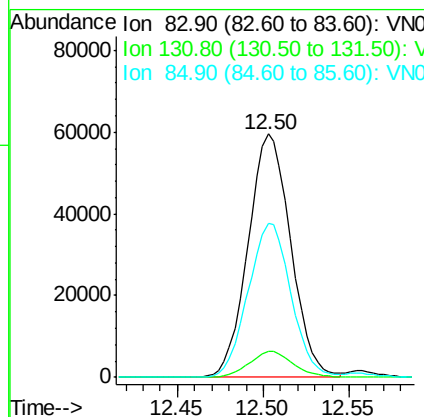
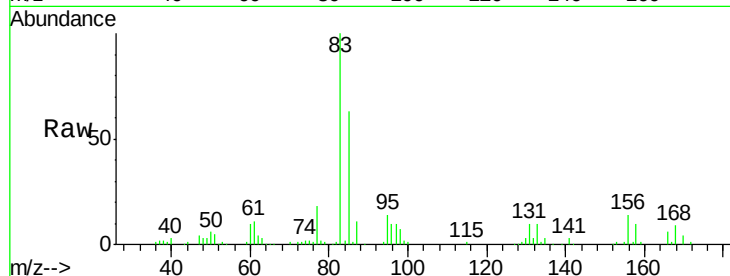
ClientSampleId :

VN0613WBS01

Tot Ion:	83	Resp:	102515
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#76

1,2,3-Trichloropropane

Concen: 26.182 ug/l m

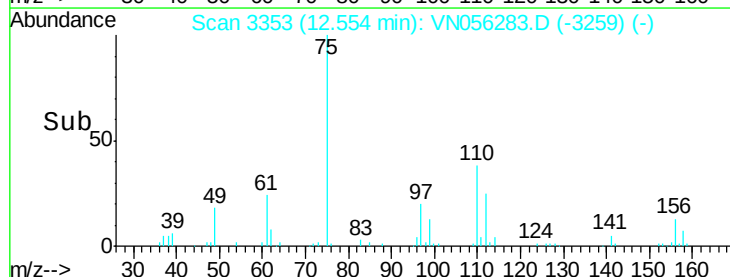
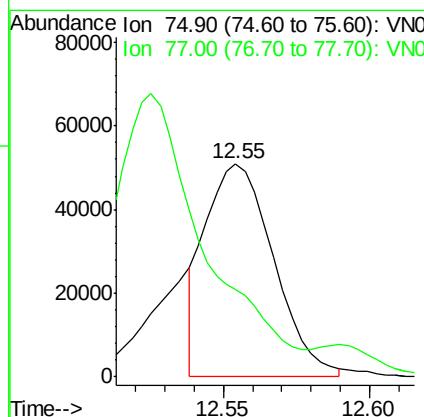
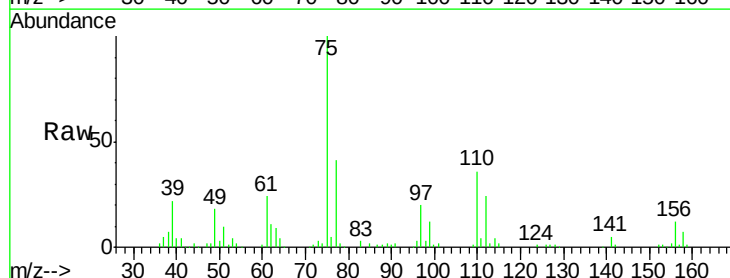
RT: 12.55 min Scan# 3353

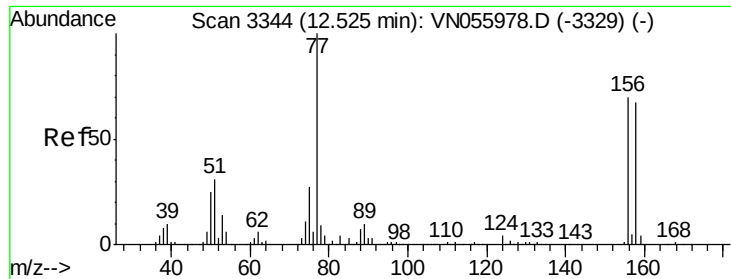
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	75	Resp:	82804
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 27.283 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

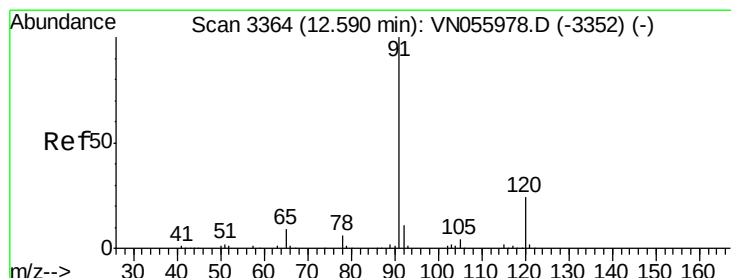
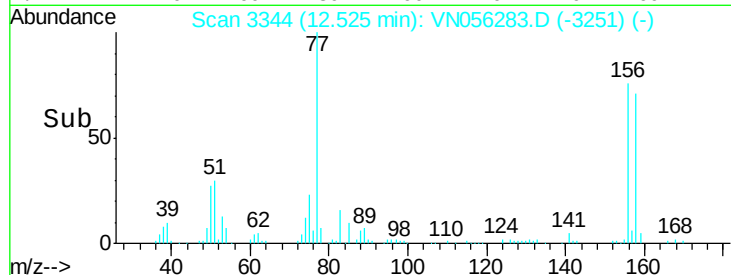
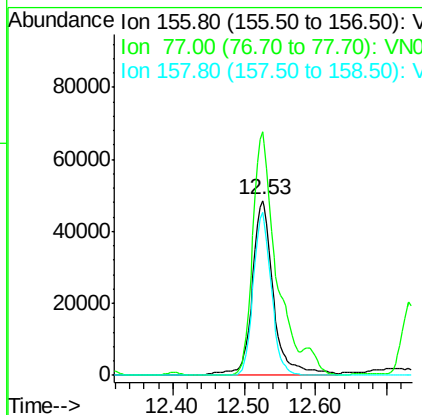
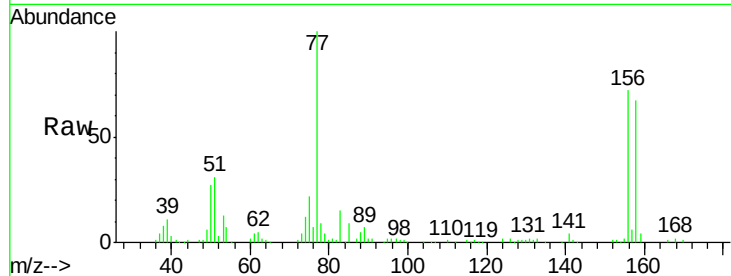
ClientSampleId :

VN0613WBS01

Tot Ion:	156	Resp:	100398
Ion Ratio	Lower	Upper	
156	100		
77	147.3	90.8	272.5
158	78.4	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#78

n-propylbenzene

Concen: 22.218 ug/l

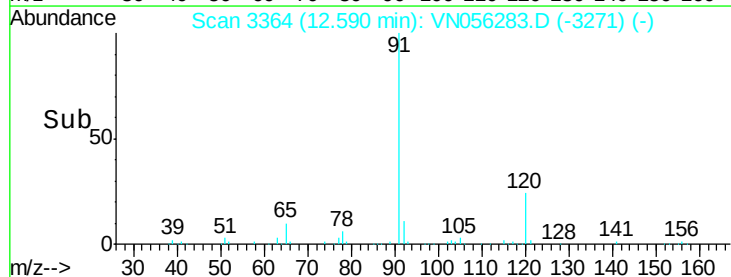
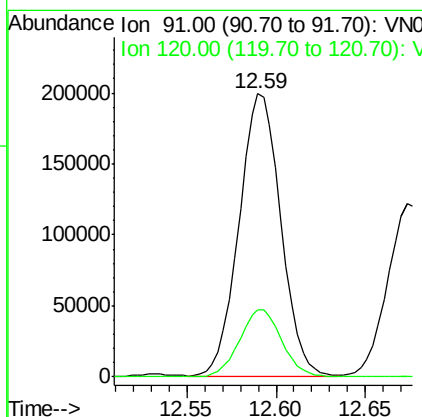
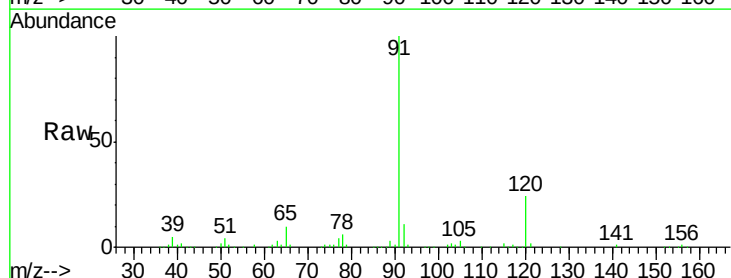
RT: 12.59 min Scan# 3364

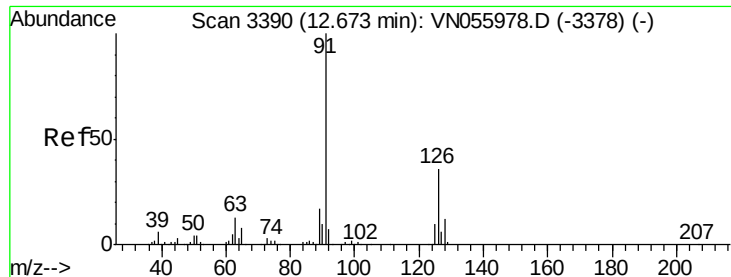
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	91	Resp:	323072
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 23.993 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion: 91 Resp: 203254

Ion Ratio Lower Upper

91 100

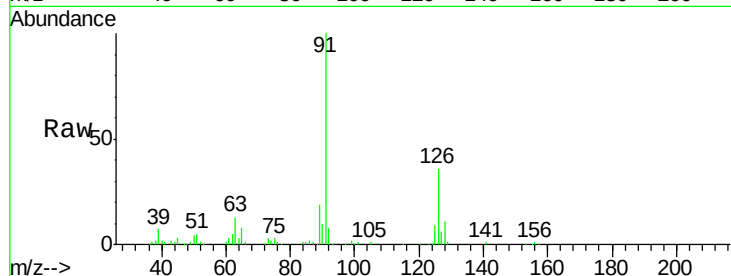
126 36.5 18.1 54.4

Manual Integrations

APPROVED

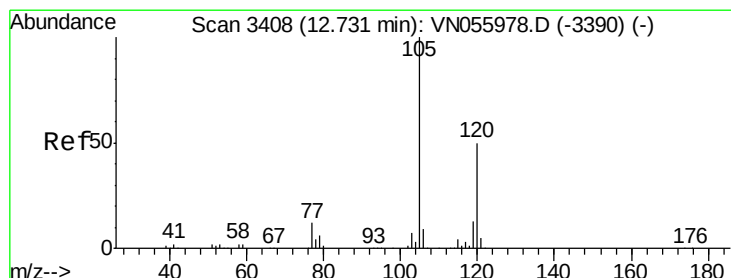
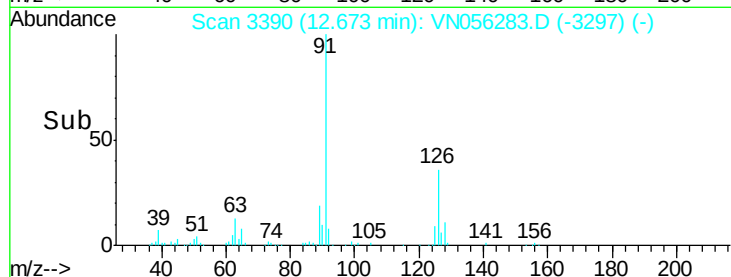
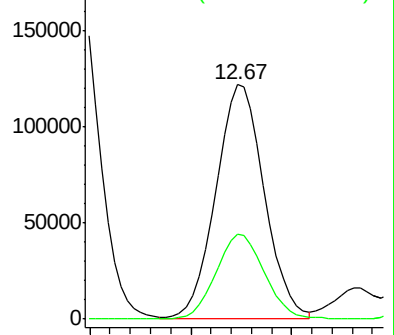
MMDadoda

6/14/2019 9:37:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.138 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056283.D

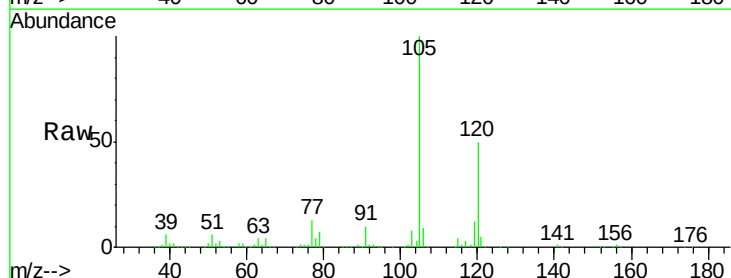
Acq: 13 Jun 2019 15:55

Tgt Ion: 105 Resp: 255842

Ion Ratio Lower Upper

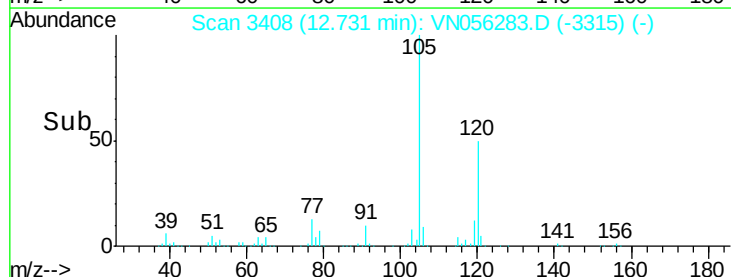
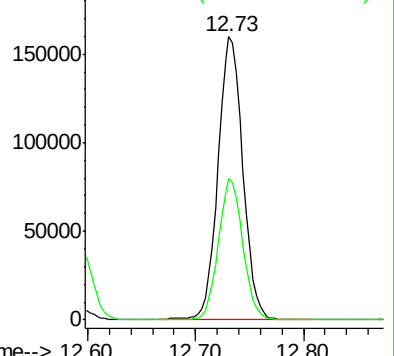
105 100

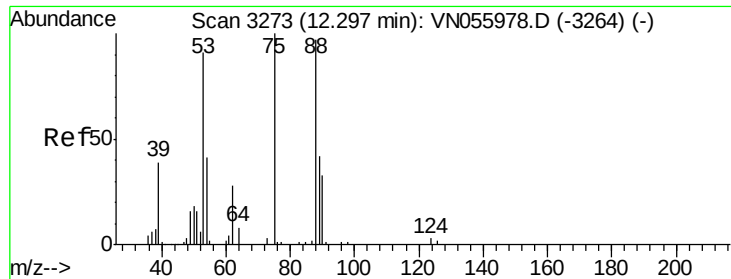
120 49.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.707 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

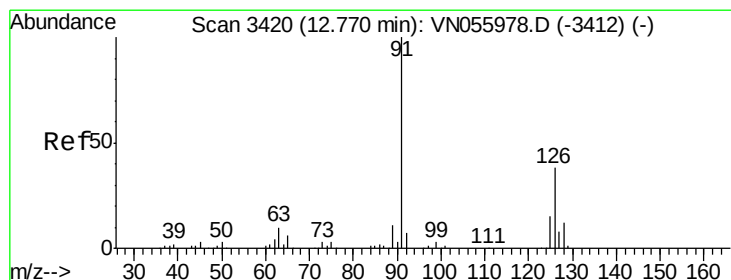
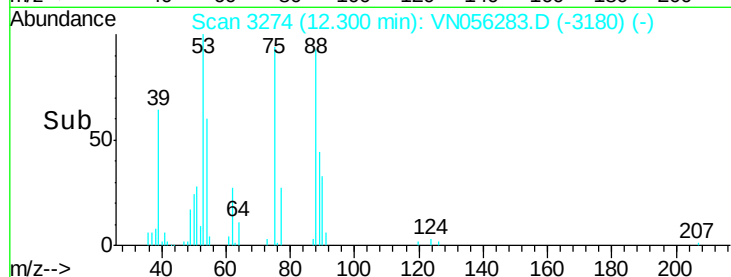
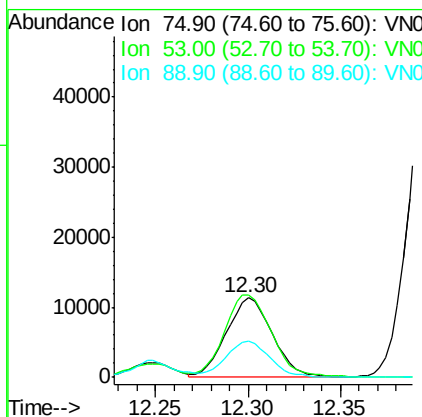
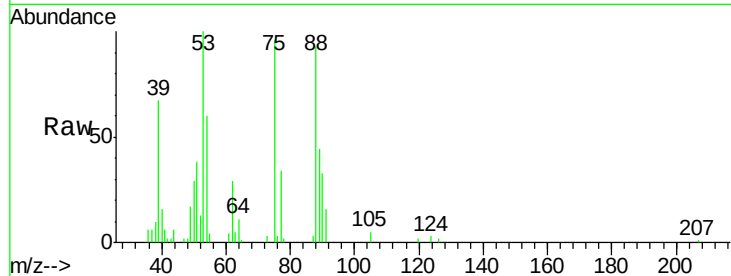
ClientSampleId :

VN0613WBS01

Tot Ion:	75	Resp:	19665
Ion Ratio	Lower	Upper	
75	100		
53	106.2	68.1	102.1#
89	43.1	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#82

4-Chlorotoluene

Concen: 21.973 ug/l

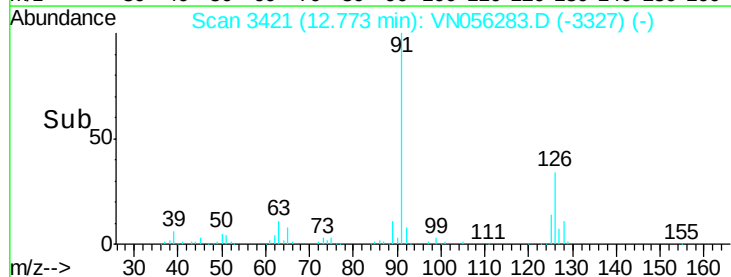
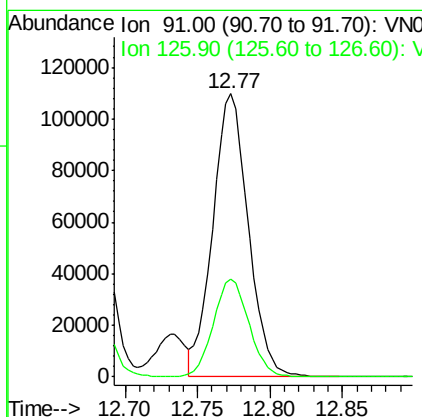
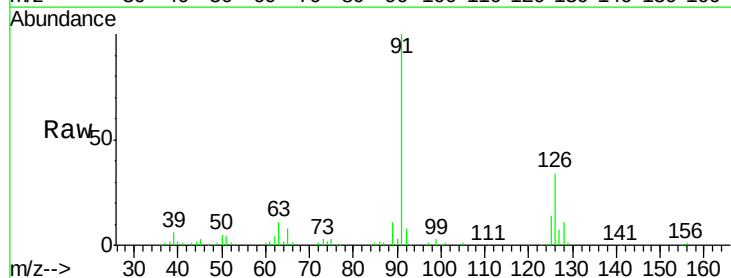
RT: 12.77 min Scan# 3421

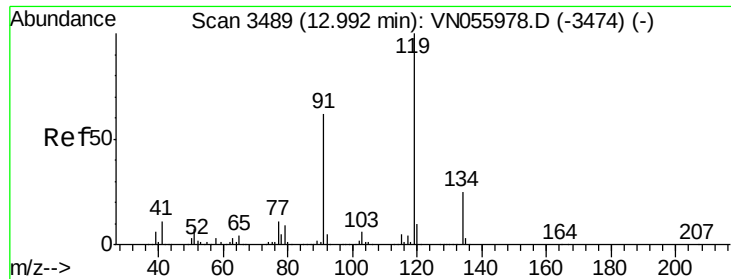
Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	91	Resp:	186927
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.8	53.3





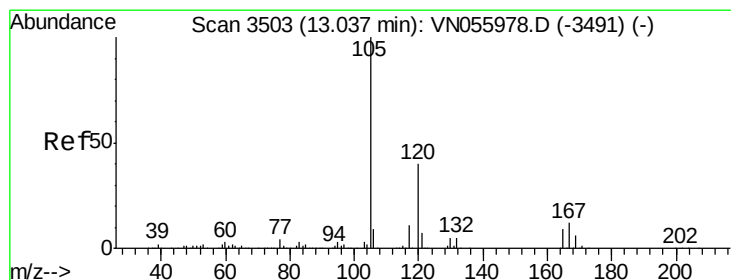
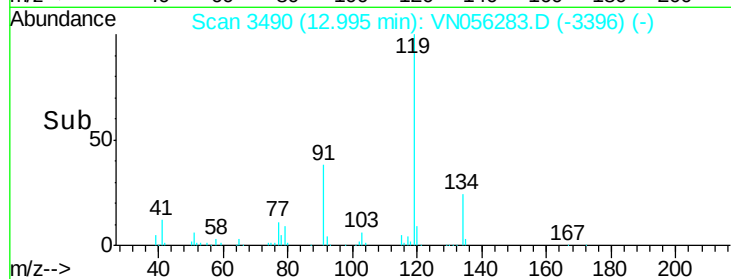
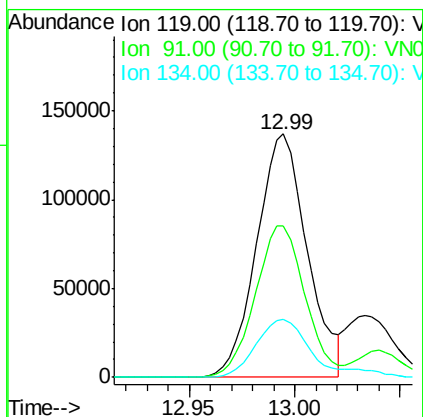
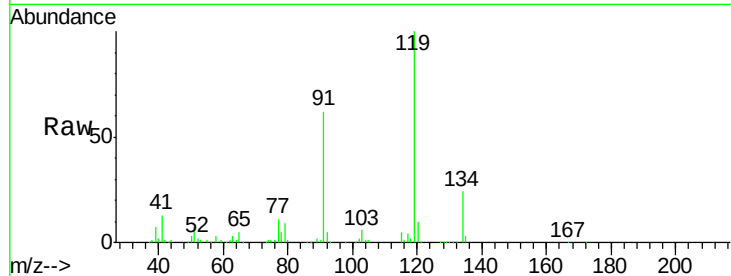
#83
 tert-Butylbenzene
 Concen: 24.078 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228581		
91	61.2		30.9	92.8
134	26.7		13.3	39.8

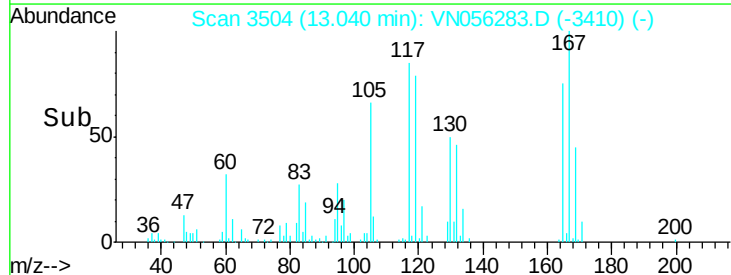
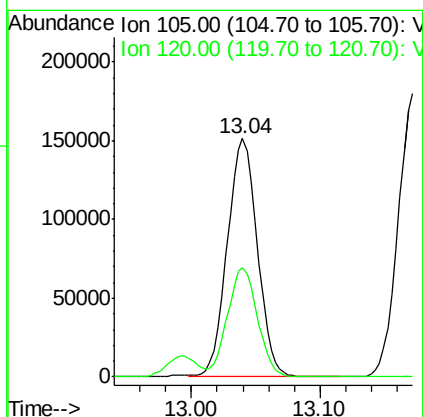
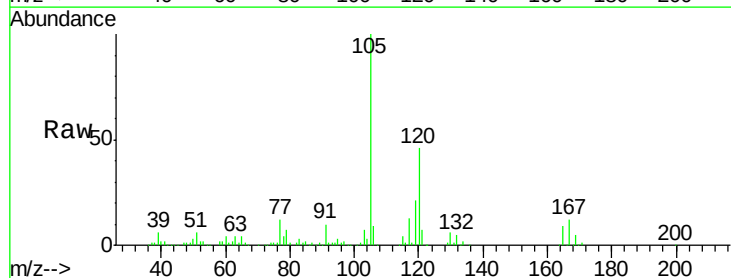
Manual Integrations
 APPROVED

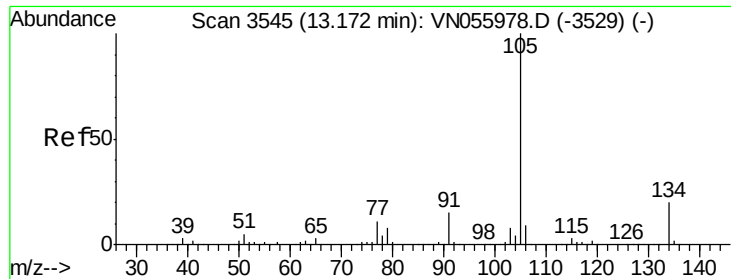
MMDadoda
 6/14/2019 9:37:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.389 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245364		
120	45.9		23.0	69.0





#85

sec-Butylbenzene

Concen: 22.112 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0613WBS01

Tot Ion:105 Resp: 284744

Ion Ratio Lower Upper

105 100

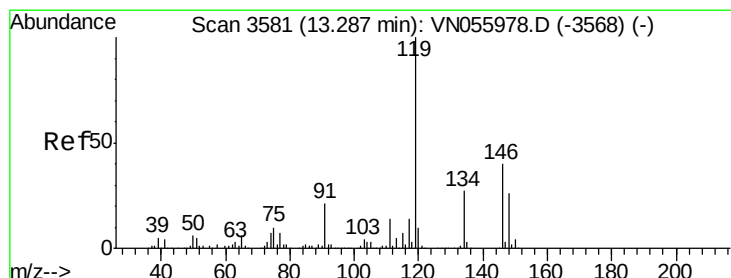
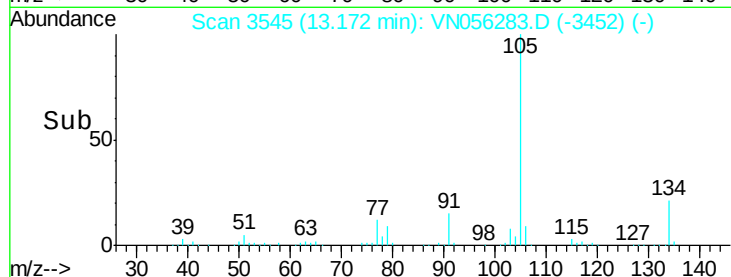
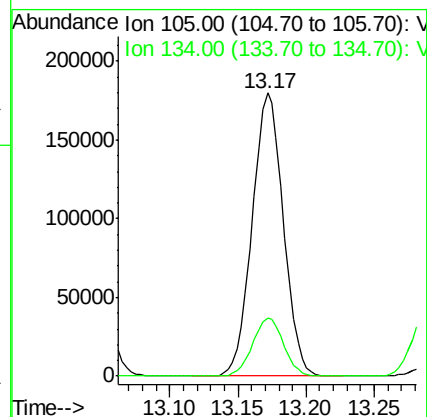
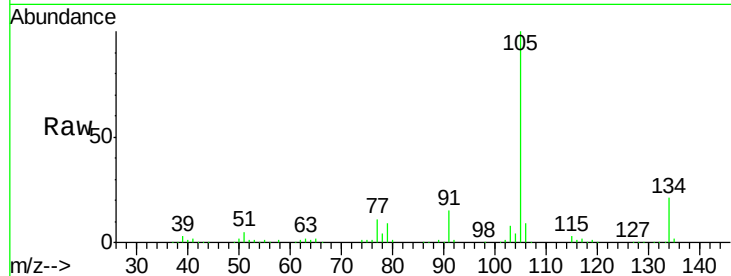
134 20.4 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

6/14/2019 9:37:27 AM



#86

p-Isopropyltoluene

Concen: 21.194 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

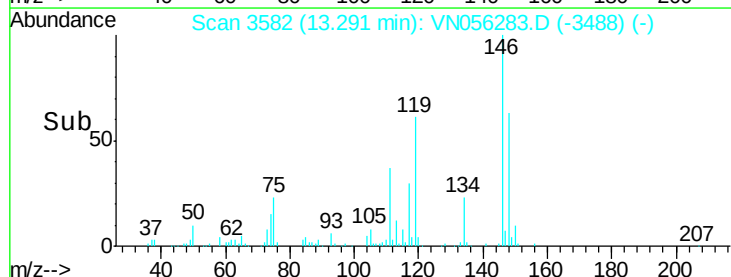
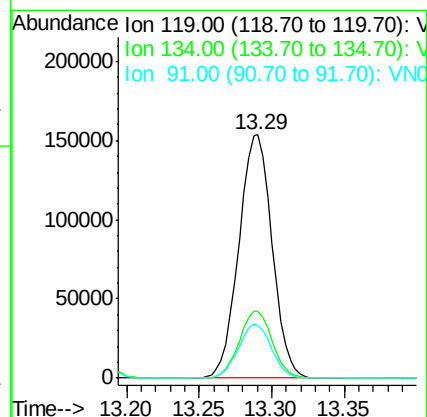
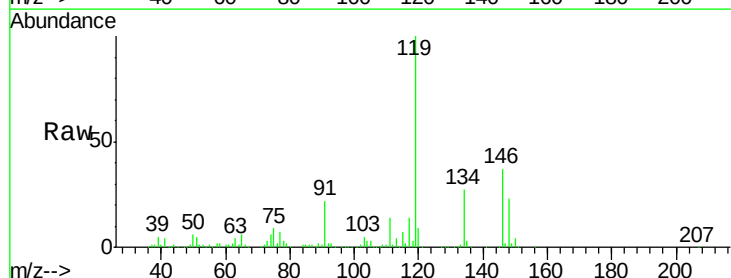
Tgt Ion:119 Resp: 244259

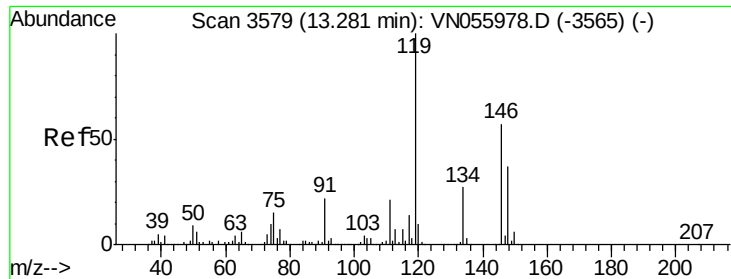
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.9 10.9 32.9





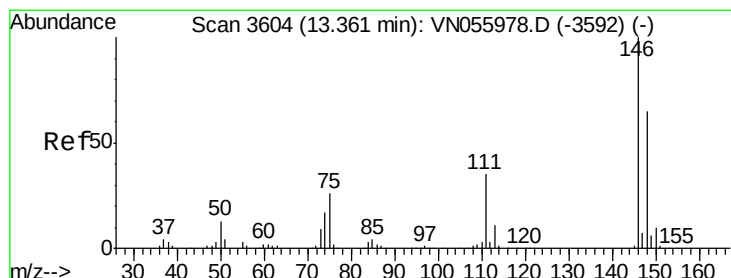
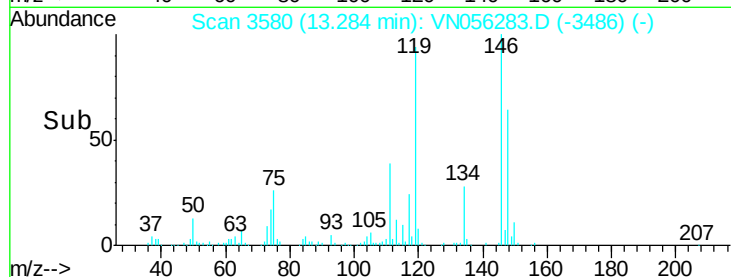
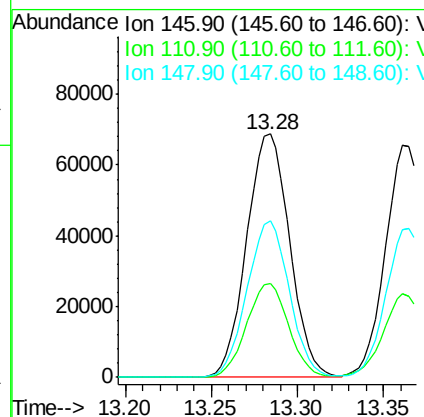
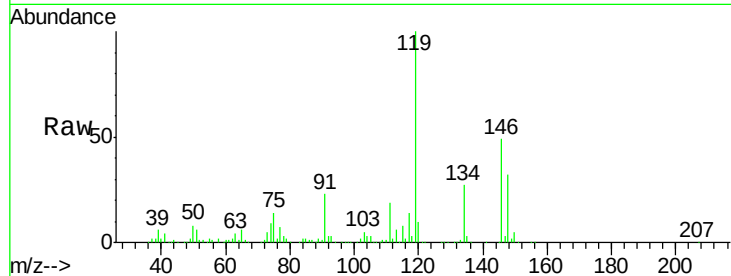
#87
 1,3-Dichlorobenzene
 Concen: 20.983 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.5	55.5
148	63.3	32.0	96.2

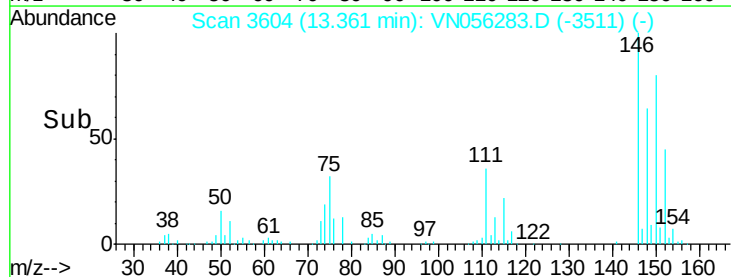
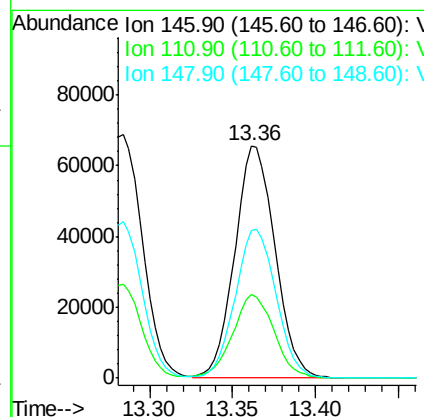
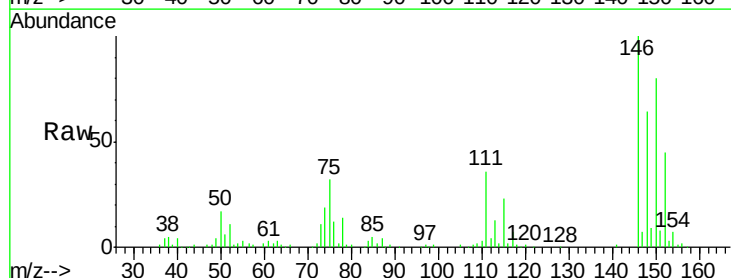
Manual Integrations
 APPROVED

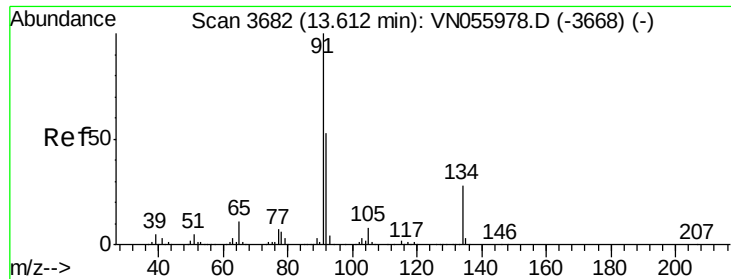
MMDadoda
 6/14/2019 9:37:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.4
148	65.0	32.1	96.5





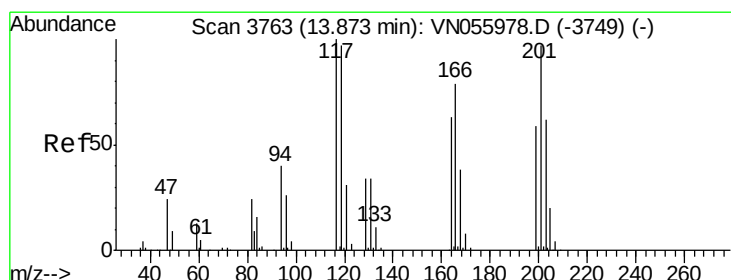
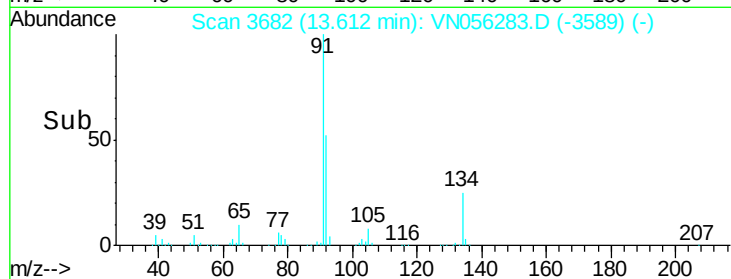
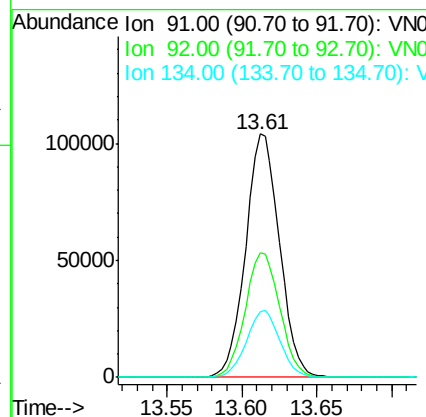
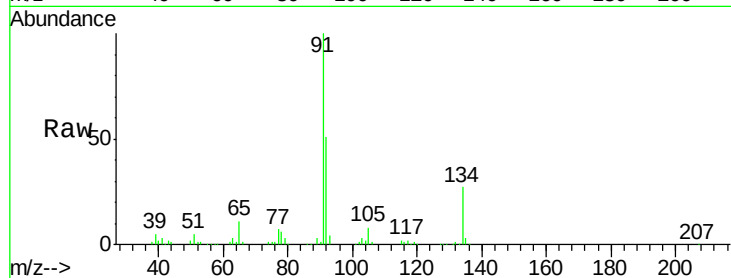
#89
n-Butylbenzene
Concen: 19.200 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	27.2	13.9	41.7

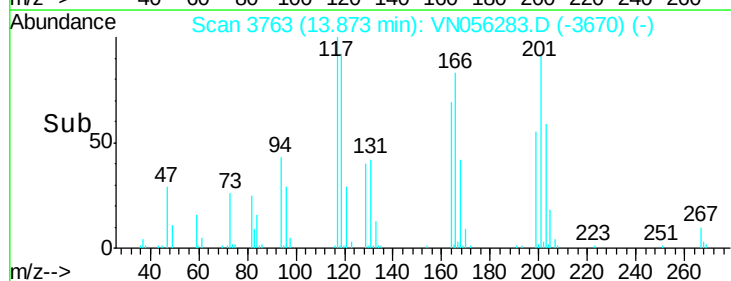
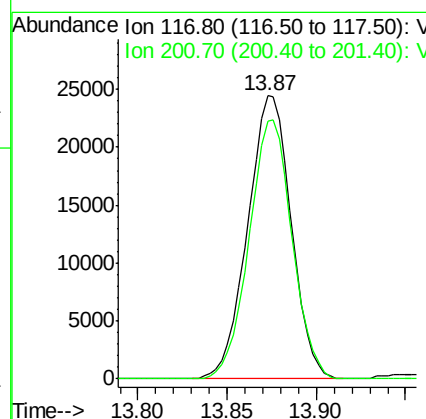
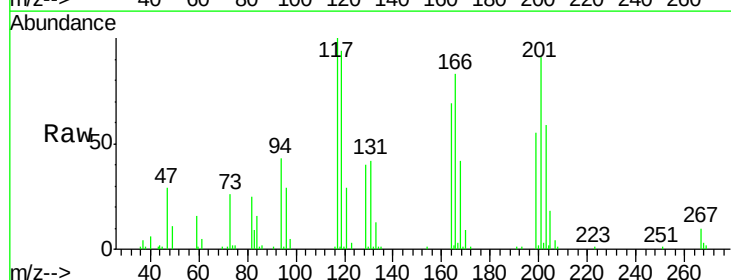
Manual Integrations
APPROVED

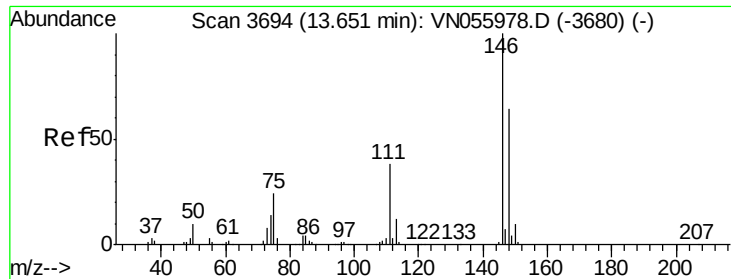
MMDadoda
6/14/2019 9:37:27 AM



#90
Hexachloroethane
Concen: 23.929 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056283.D
Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	50.0	150.0





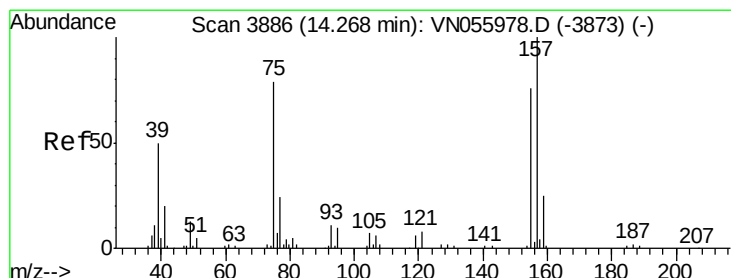
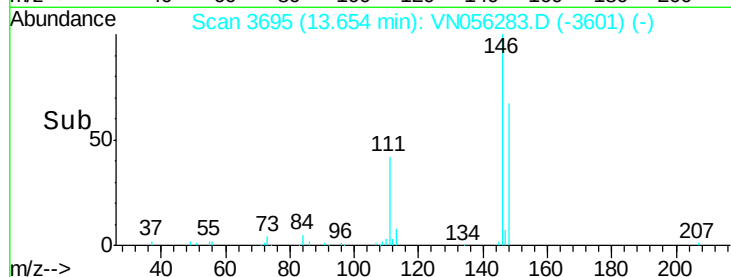
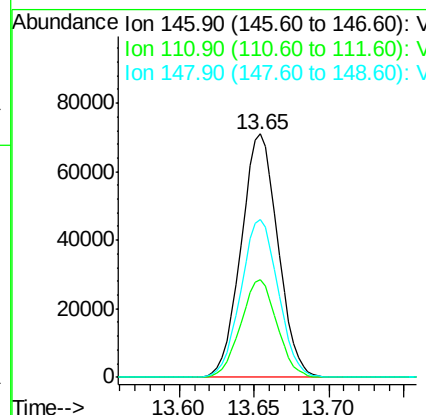
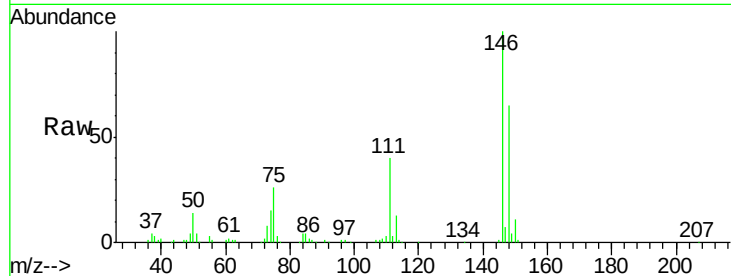
#91
 1,2-Dichlorobenzene
 Concen: 21.148 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	65.9	31.9	95.9

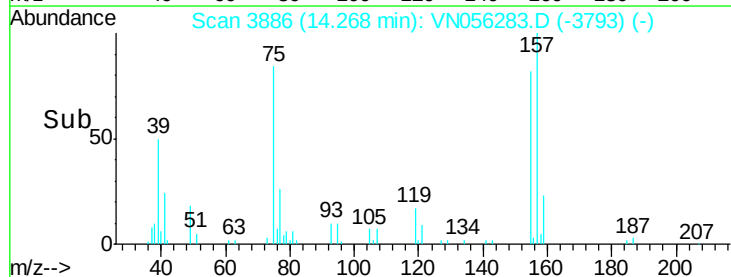
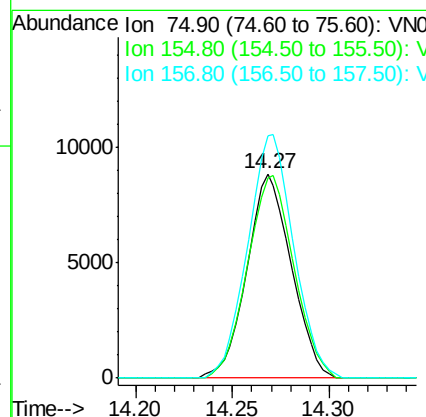
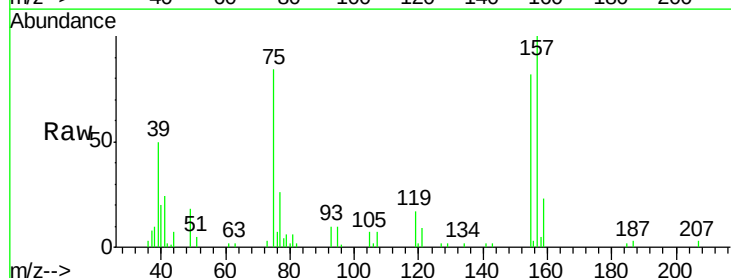
Manual Integrations
 APPROVED

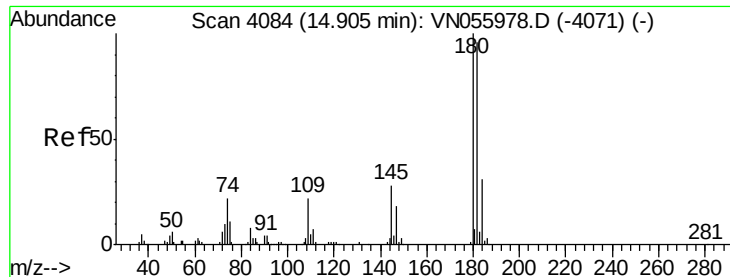
MMDadoda
 6/14/2019 9:37:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.720 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	123.8	64.8	194.3





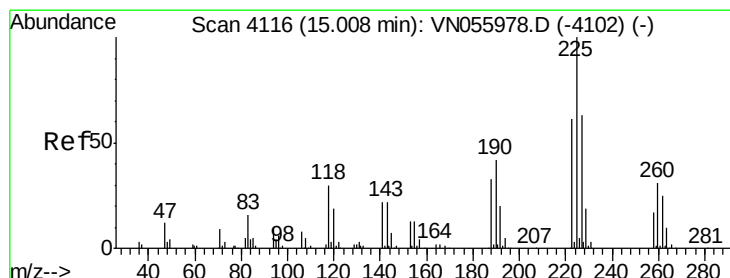
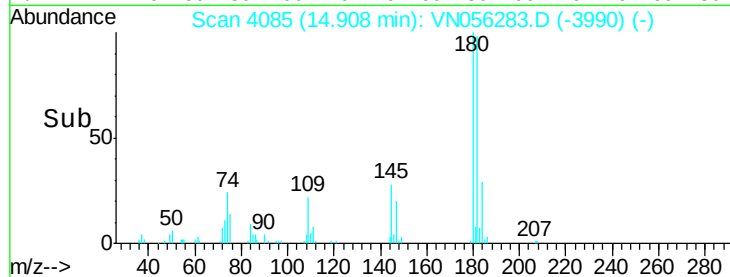
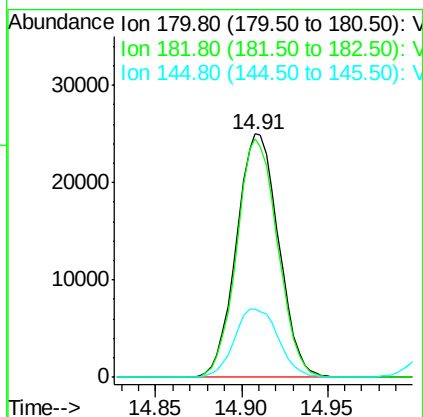
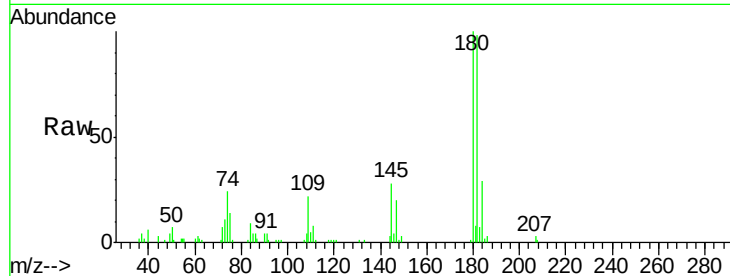
#93
 1,2,4-Trichlorobenzene
 Concen: 16.602 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.3	144.9
145	29.3	14.0	41.9

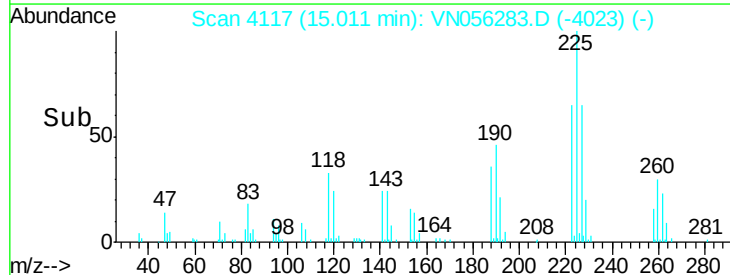
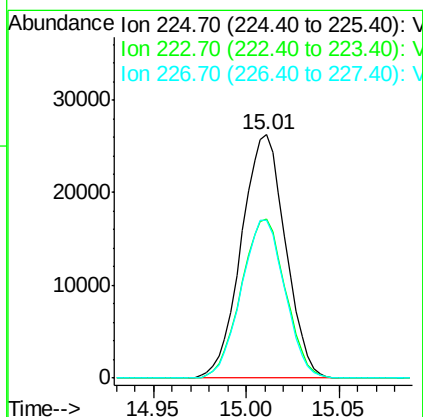
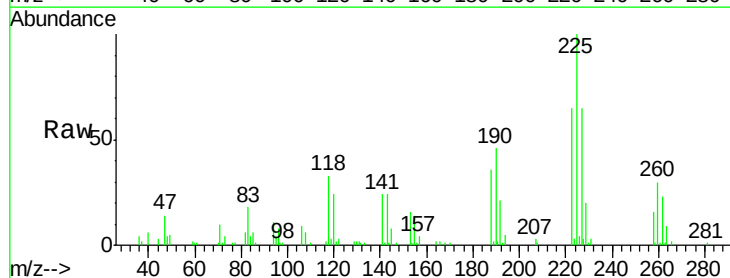
Manual Integrations
 APPROVED

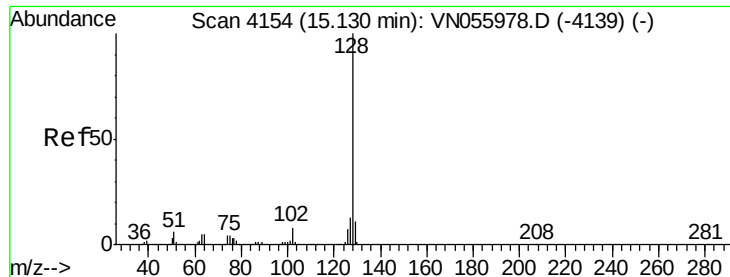
MMDadoda
 6/14/2019 9:37:27 AM



#94
 Hexachlorobutadiene
 Concen: 20.759 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056283.D
 Acq: 13 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.9	92.7
227	64.1	31.6	94.7





#95

Naphthalene

Concen: 18.214 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Instrument :

MSVOA_N

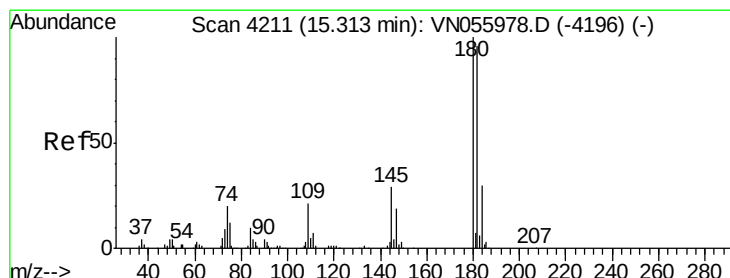
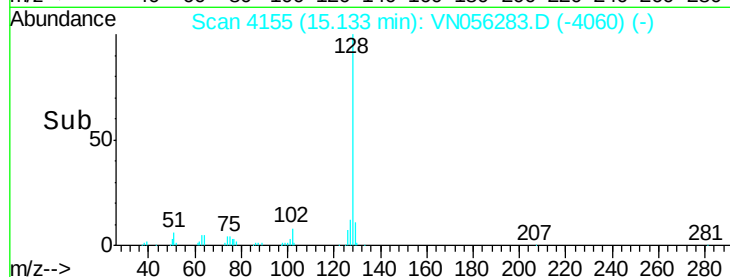
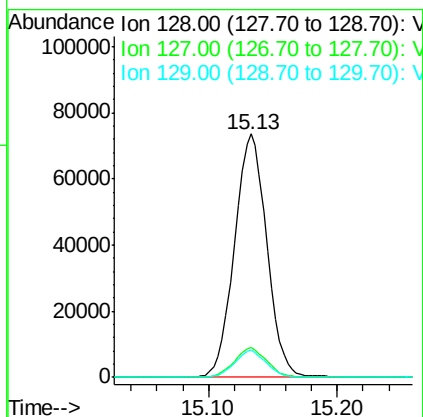
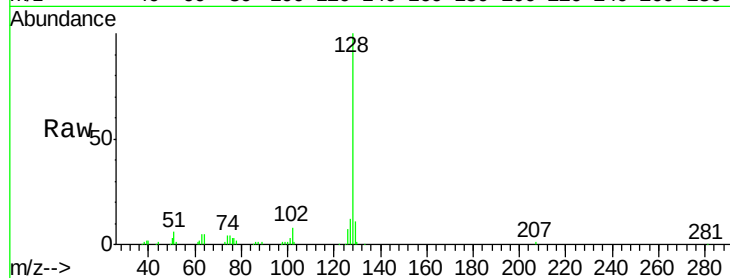
ClientSampleId :

VN0613WBS01

Tot Ion:	128	Resp:	127933
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:37:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.973 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056283.D

Acq: 13 Jun 2019 15:55

Tgt Ion:	180	Resp:	51367
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.7
145	30.6	14.9	44.7

