

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052855.D
 Acq On : 13 Dec 2018 11:07
 Operator : MD\SY
 Sample : VN1213MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:02:11 AM

Quant Time: Dec 14 02:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	685576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	414483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	395132	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.59	113	328684	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.09	98	1373274	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	451639	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	133339	18.894	ug/l	99
3) Chloromethane	2.06	50	158643	18.730	ug/l	99
4) Vinyl Chloride	2.19	62	160325	18.920	ug/l	99
5) Bromomethane	2.58	94	96425	18.449	ug/l	99
6) Chloroethane	2.71	64	92659	18.499	ug/l	99
7) Trichlorofluoromethane	3.03	101	194650	18.528	ug/l	99
8) Diethyl Ether	3.41	74	73355	19.141	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	123100	18.906	ug/l	100
10) Methyl Iodide	3.96	142	155248	17.025	ug/l	100
11) Tert butyl alcohol	4.78	59	34949	85.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	117149	18.586	ug/l	99
13) Acrolein	3.61	56	52786	137.647	ug/l	98
14) Allyl chloride	4.33	41	192488	18.697	ug/l	96
15) Acrylonitrile	4.99	53	214448	93.848	ug/l	99
16) Acetone	3.82	43	162679	99.364	ug/l	94
17) Carbon Disulfide	4.06	76	357666	18.471	ug/l	99
18) Methyl Acetate	4.33	43	106581	17.738	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	312133	18.241	ug/l	100
20) Methylene Chloride	4.56	84	137802	18.703	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	126136	18.471	ug/l	99
22) Diisopropyl ether	5.95	45	407393	18.549	ug/l	96
23) Vinyl Acetate	5.90	43	1221397	93.457	ug/l	100
24) 1,1-Dichloroethane	5.85	63	239256	18.890	ug/l	99
25) 2-Butanone	6.84	43	234035	92.127	ug/l	99
26) 2,2-Dichloropropane	6.83	77	171228	18.358	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	142190	18.346	ug/l	99
28) Bromochloromethane	7.20	49	82003	14.418	ug/l	99
29) Tetrahydrofuran	7.21	42	160061	92.293	ug/l	99
30) Chloroform	7.37	83	234450	18.982	ug/l	99
31) Cyclohexane	7.66	56	224925	17.835	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	191835	18.564	ug/l	99
36) 1,1-Dichloropropene	7.80	75	178577	18.413	ug/l	99
37) Ethyl Acetate	6.93	43	108673	18.653	ug/l	99
38) Carbon Tetrachloride	7.78	117	165135	18.499	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052855.D
 Acq On : 13 Dec 2018 11:07
 Operator : MD\SY
 Sample : VN1213MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1213MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:02:11 AM

Quant Time: Dec 14 02:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209952	17.641	ug/l	99
40) Benzene	8.04	78	540188	18.558	ug/l	97
41) Methacrylonitrile	7.18	41	63387	19.636	ug/l	92
42) 1,2-Dichloroethane	8.12	62	165989	18.942	ug/l	100
43) Isopropyl Acetate	8.17	43	201434	16.863	ug/l	98
44) Trichloroethene	8.84	130	145176	18.465	ug/l	97
45) 1,2-Dichloropropane	9.12	63	142344	18.670	ug/l	99
46) Dibromomethane	9.21	93	82108	18.570	ug/l	99
47) Bromodichloromethane	9.40	83	172885	18.855	ug/l	99
48) Methyl methacrylate	9.20	41	97356	18.585	ug/l	99
49) 1,4-Dioxane	9.20	88	22258	374.329	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	506278	92.431	ug/l	99
52) Toluene	10.16	92	330792	18.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	165878	17.978	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	198591	18.062	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117603	18.687	ug/l	96
56) Ethyl methacrylate	10.43	69	145306	17.991	ug/l	98
57) 1,3-Dichloropropane	10.71	76	201901	18.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	287408	63.777	ug/l	99
59) 2-Hexanone	10.75	43	347771	92.647	ug/l	97
60) Dibromochloromethane	10.90	129	125768	18.491	ug/l	97
61) 1,2-Dibromoethane	11.01	107	114671	18.434	ug/l	100
64) Tetrachloroethene	10.63	164	147271	18.550	ug/l	99
65) Chlorobenzene	11.43	112	348766	18.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	122324	18.354	ug/l	99
67) Ethyl Benzene	11.51	91	596107	18.113	ug/l	99
68) m/p-Xylenes	11.62	106	451550	36.541	ug/l	100
69) o-Xylene	11.95	106	221948	18.393	ug/l	100
70) Styrene	11.96	104	352922	18.194	ug/l	100
71) Bromoform	12.13	173	81168	17.926	ug/l #	99
73) Isopropylbenzene	12.25	105	576965	18.644	ug/l	99
74) N-amyl acetate	12.07	43	149365	17.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	131392	18.944	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	111577m	18.246	ug/l	
77) Bromobenzene	12.53	156	148787	18.903	ug/l	98
78) n-propylbenzene	12.59	91	646745	18.324	ug/l	100
79) 2-Chlorotoluene	12.67	91	385363	18.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	467285	18.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32478	17.062	ug/l	92
82) 4-Chlorotoluene	12.77	91	388293	18.201	ug/l	99
83) tert-Butylbenzene	12.99	119	407936	18.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	469756	18.574	ug/l	99
85) sec-Butylbenzene	13.17	105	549643	18.417	ug/l	100
86) p-Isopropyltoluene	13.29	119	469389	18.154	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	252106	18.023	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	248405	17.933	ug/l	98
89) n-Butylbenzene	13.62	91	374730	17.215	ug/l	100
90) Hexachloroethane	13.88	117	76229	17.606	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	243900	18.127	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19401	18.557	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
Data File : VN052855.D
Acq On : 13 Dec 2018 11:07
Operator : MD\SY
Sample : VN1213MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

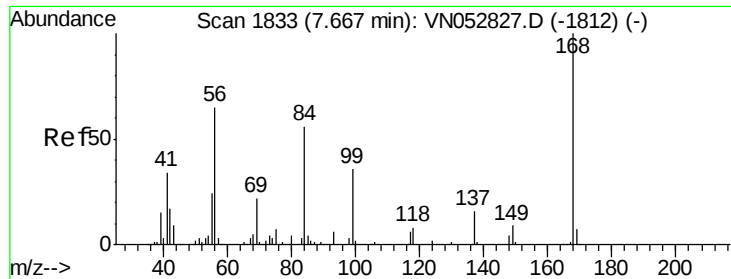
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM

Quant Time: Dec 14 02:17:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117999	16.133	ug/l	100
94) Hexachlorobutadiene	15.01	225	80967	19.125	ug/l	99
95) Naphthalene	15.13	128	240124	15.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109521	16.319	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion:168 Resp: 685576

Ion Ratio Lower Upper

168 100

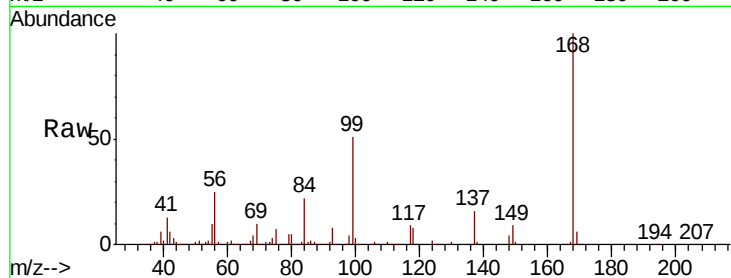
99 50.7 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

200000

100000

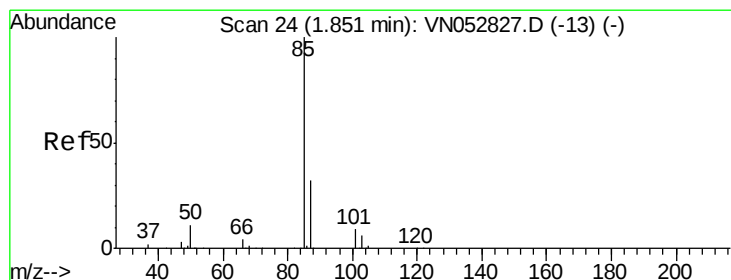
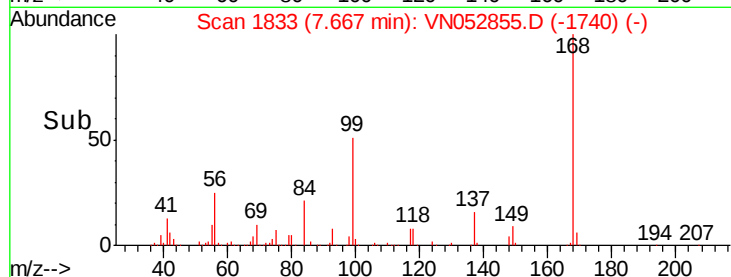
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.894 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052855.D

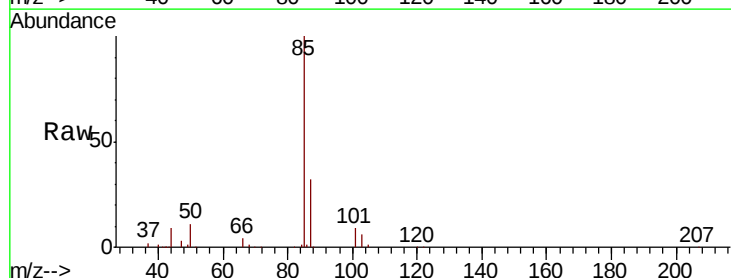
Acq: 13 Dec 2018 11:07

Tgt Ion: 85 Resp: 133339

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

20000

0

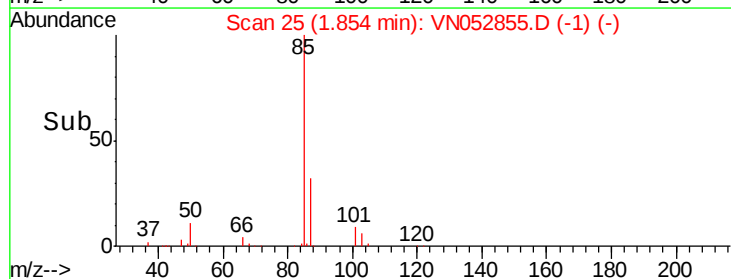
1.85

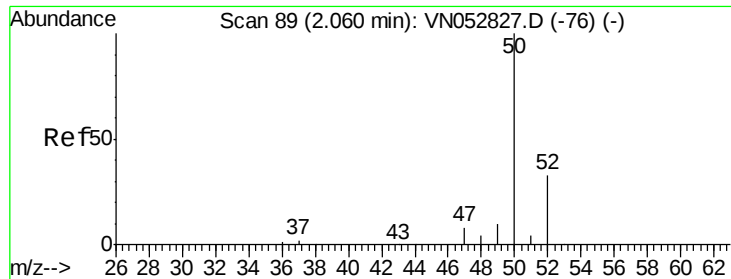
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 18.730 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 50 Resp: 158643

Ion Ratio Lower Upper

50 100

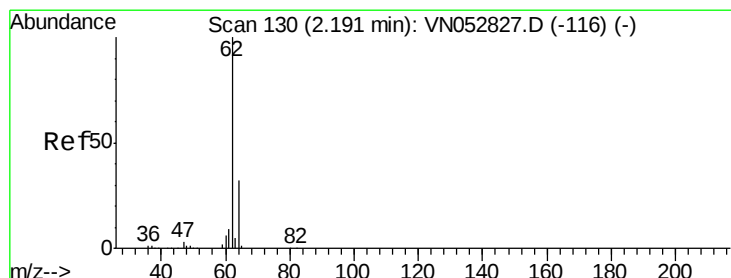
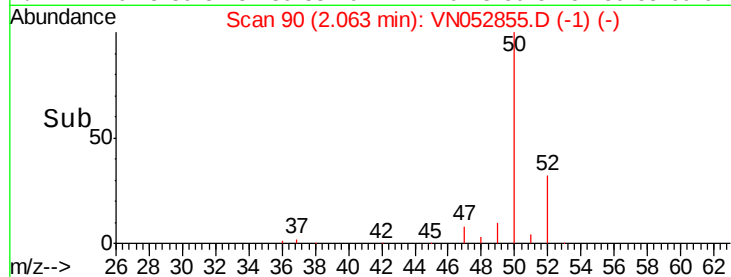
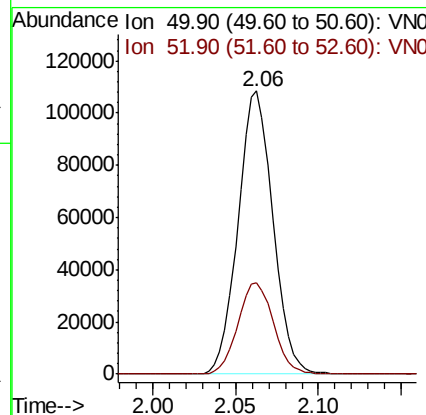
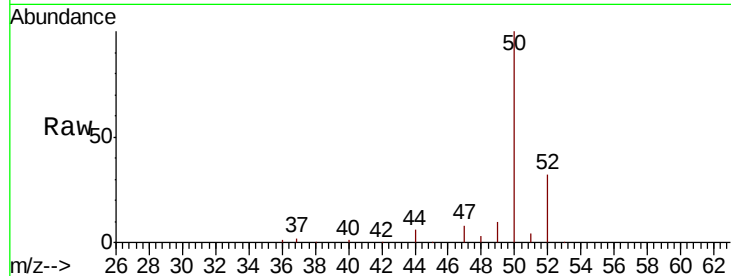
52 32.3 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



#4

Vinyl Chloride

Concen: 18.920 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052855.D

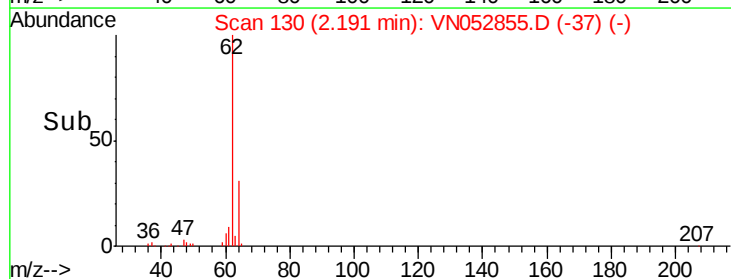
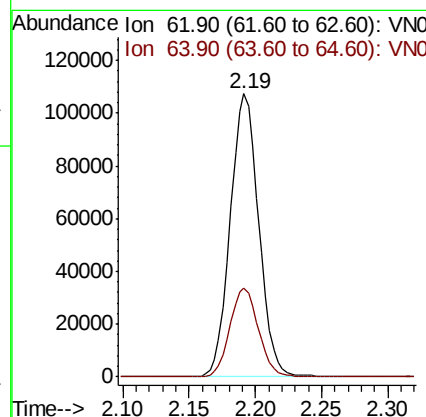
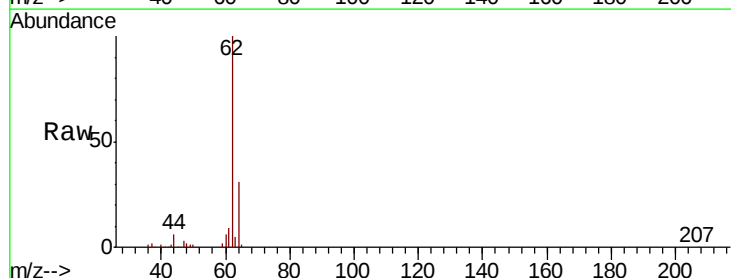
Acq: 13 Dec 2018 11:07

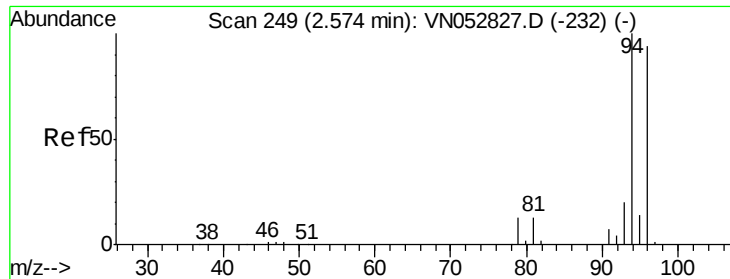
Tgt Ion: 62 Resp: 160325

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 18.449 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 94 Resp: 96425

Ion Ratio Lower Upper

94 100

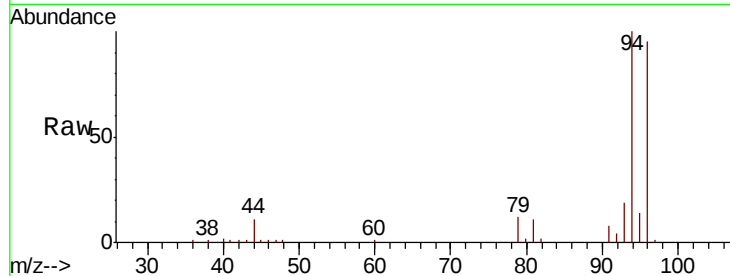
96 94.7 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.58

60000

50000

40000

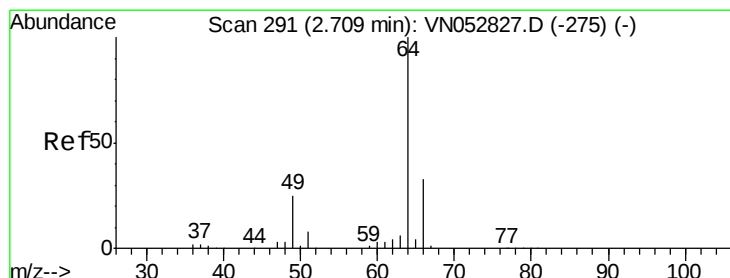
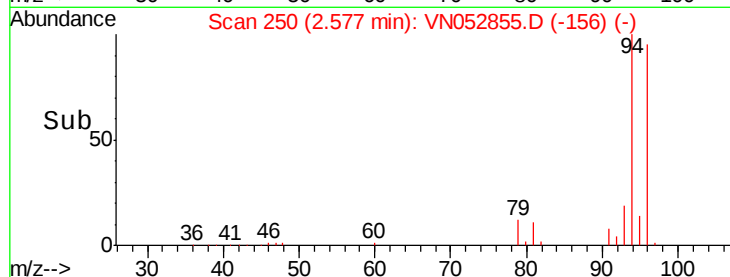
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.499 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052855.D

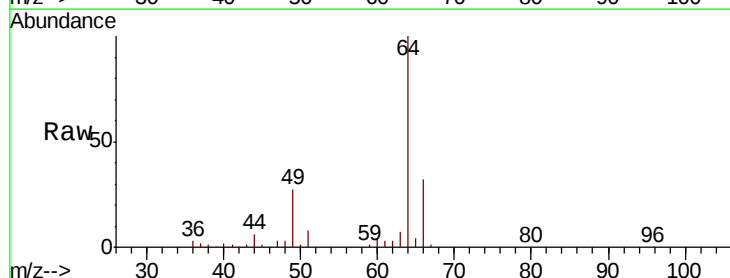
Acq: 13 Dec 2018 11:07

Tgt Ion: 64 Resp: 92659

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.71

50000

40000

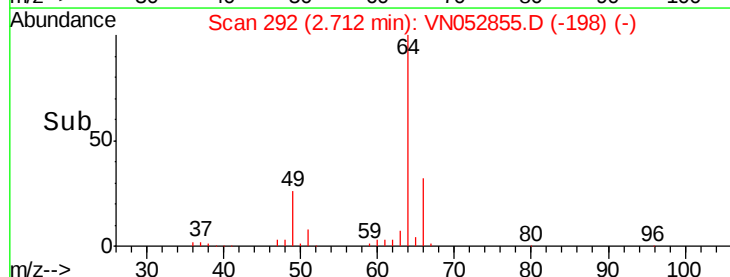
30000

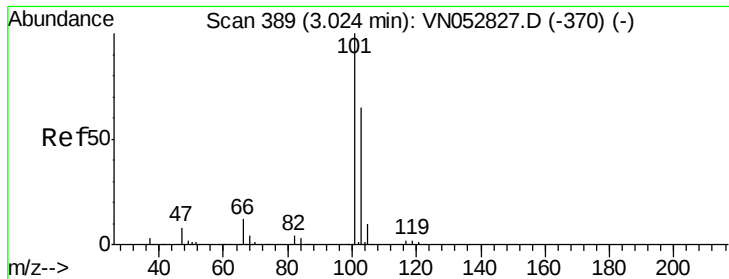
20000

10000

0

Time-->





#7

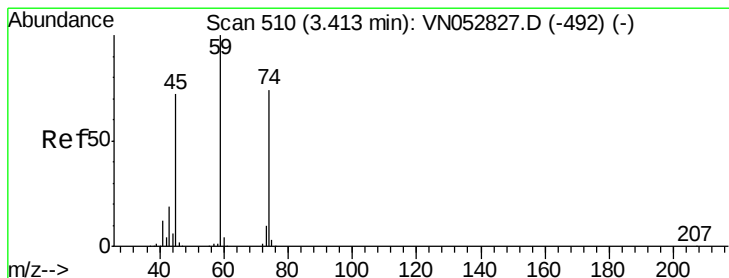
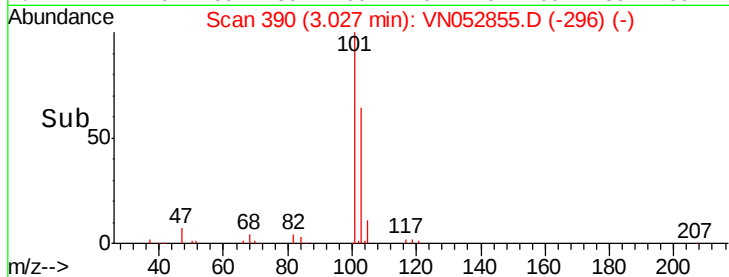
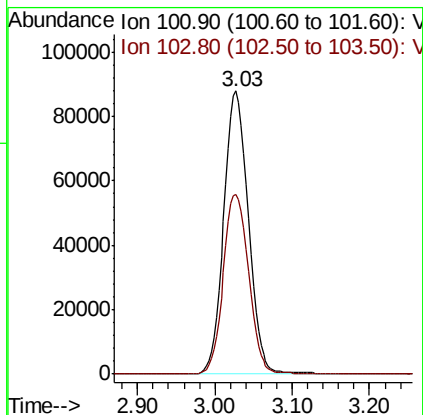
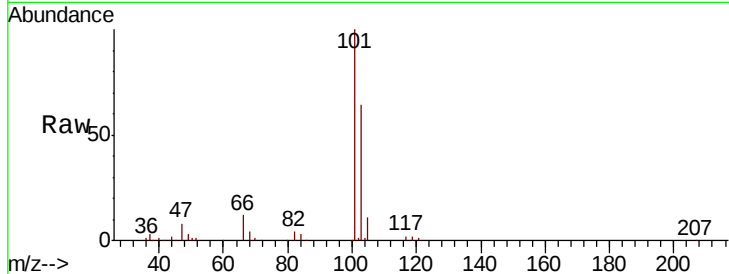
Trichlorofluoromethane
Concen: 18.528 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	194650		
103	63.6	51.8	77.6	

Manual Integrations
APPROVED

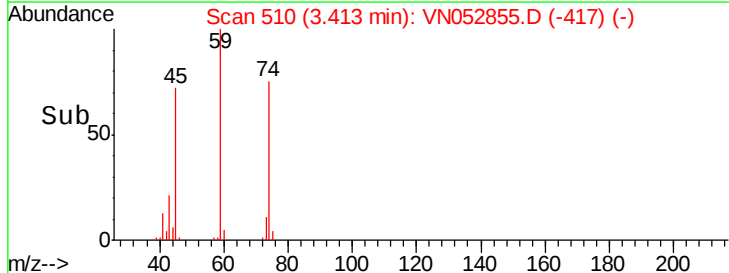
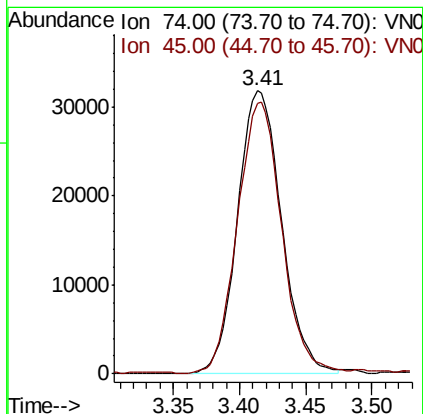
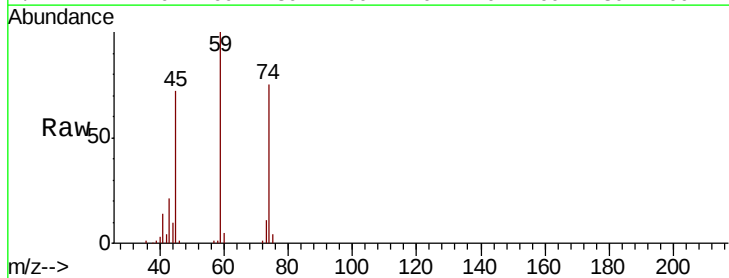
MMDadoda
12/14/2018 9:02:11 AM

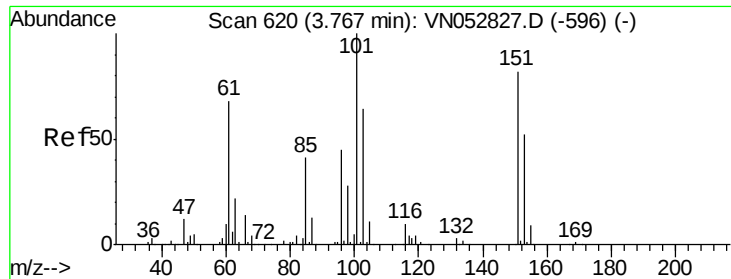


#8

Diethyl Ether
Concen: 19.141 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	73355		
45	96.8	49.4	148.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.906 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

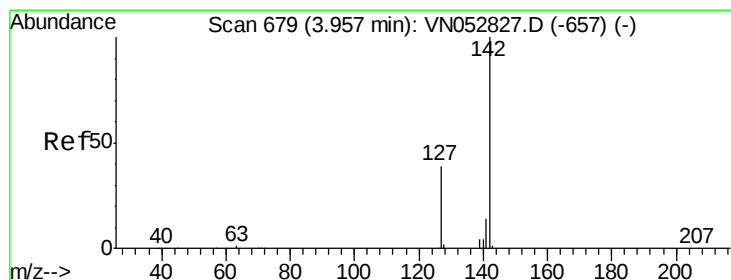
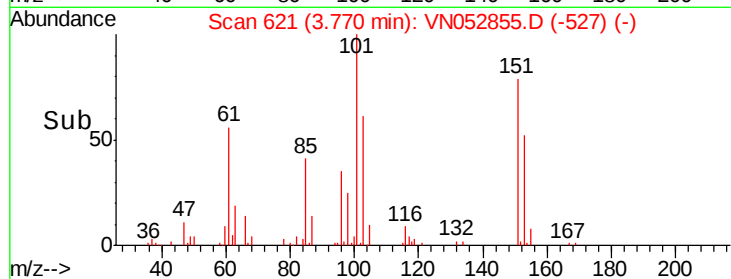
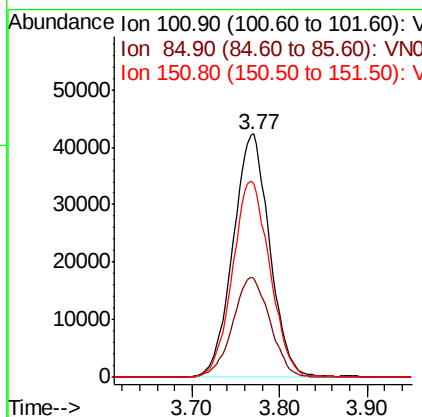
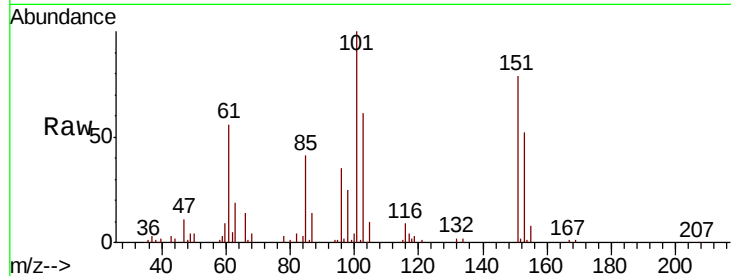
ClientSampleId :

VN1213MBS01

Tot Ion:	101	Resp:	123100
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.6	50.4
151	82.2	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#10

Methyl Iodide

Concen: 17.025 ug/l

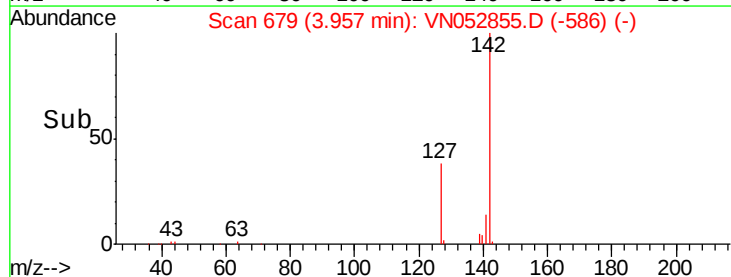
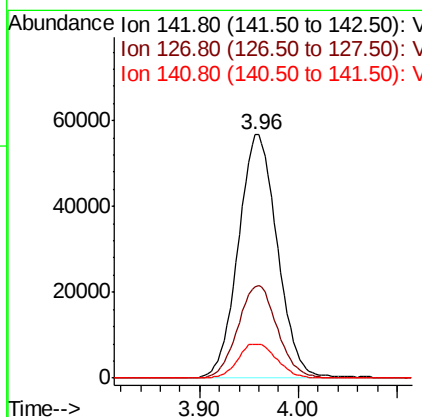
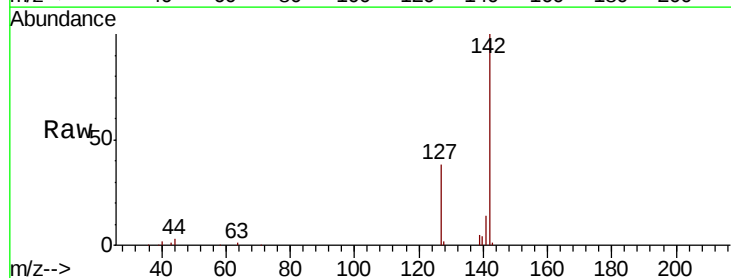
RT: 3.96 min Scan# 679

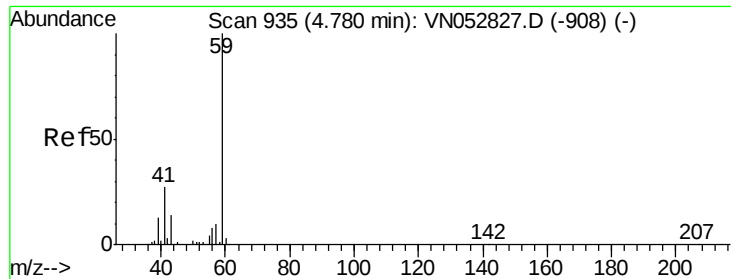
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	142	Resp:	155248
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.6
141	13.9	11.2	16.8





#11

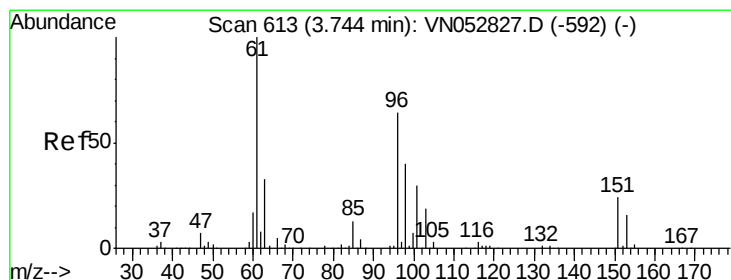
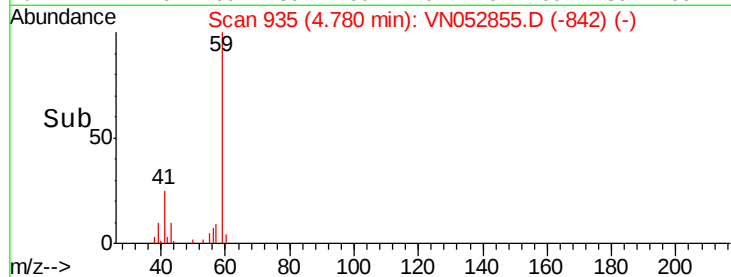
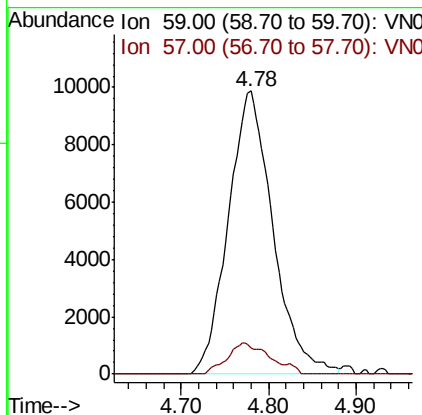
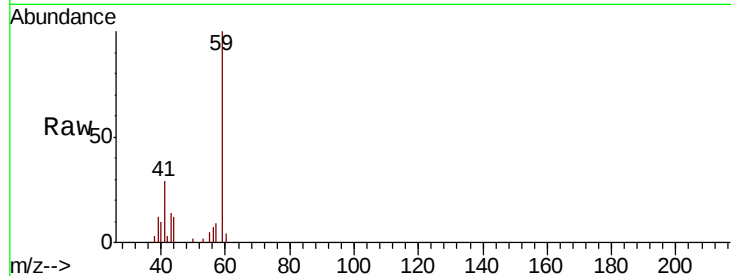
Tert butyl alcohol
 Concen: 85.804 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

Manual Integrations
 APPROVED

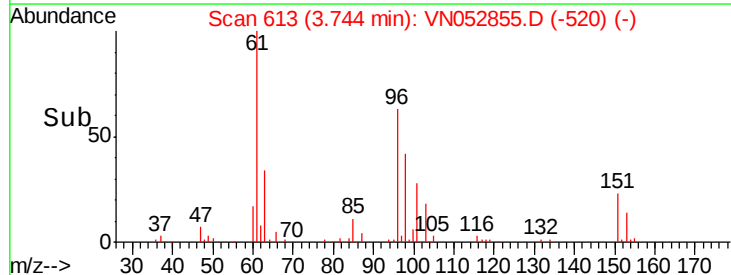
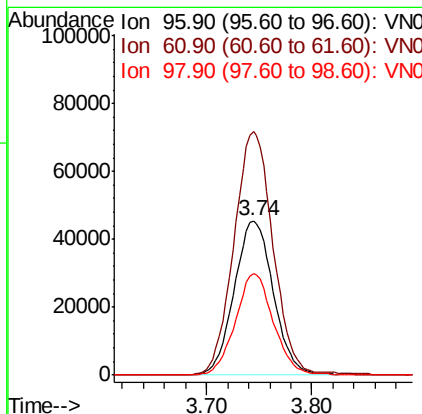
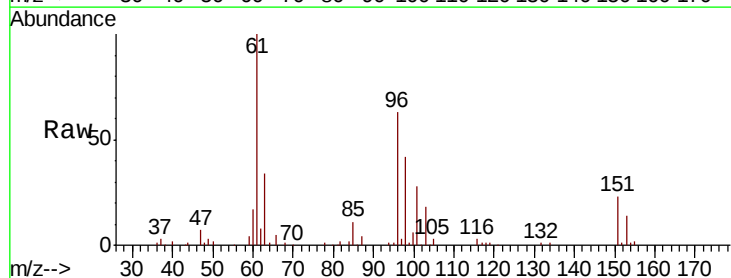
MMDadoda
 12/14/2018 9:02:11 AM

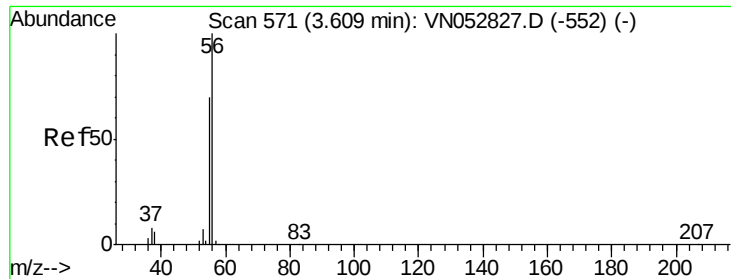


#12

1,1-Dichloroethene
 Concen: 18.586 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	125.6	188.4
98	65.5	50.6	75.8





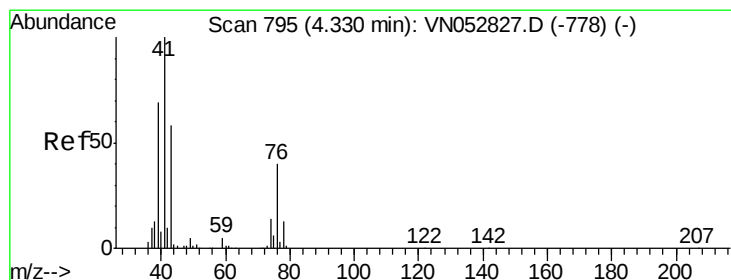
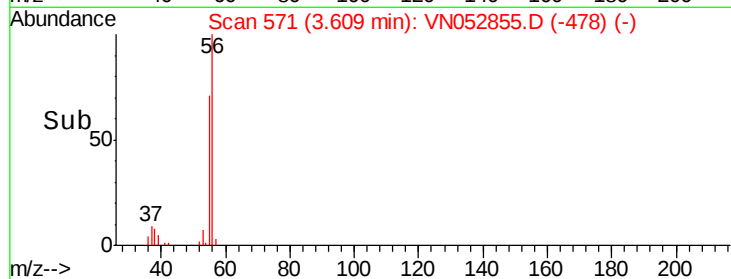
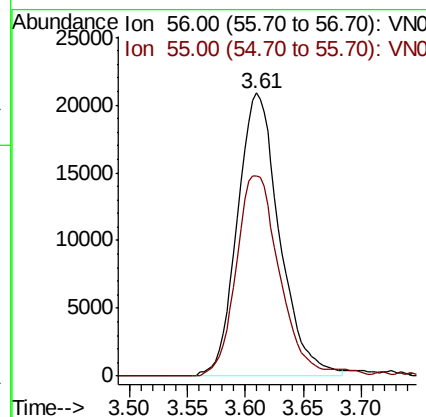
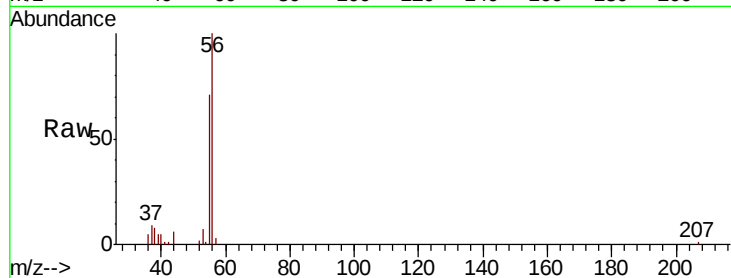
#13
Acrolein
Concen: 137.647 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.2	56.6	85.0

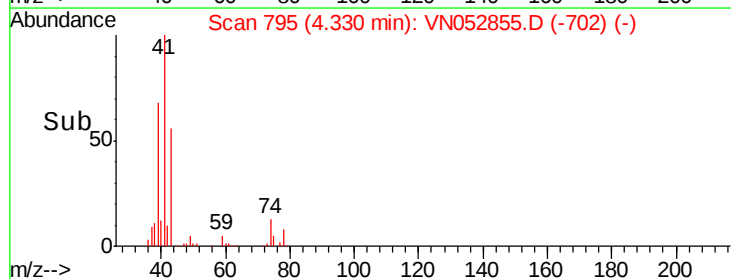
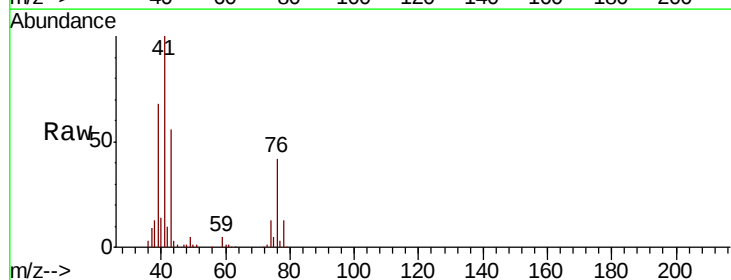
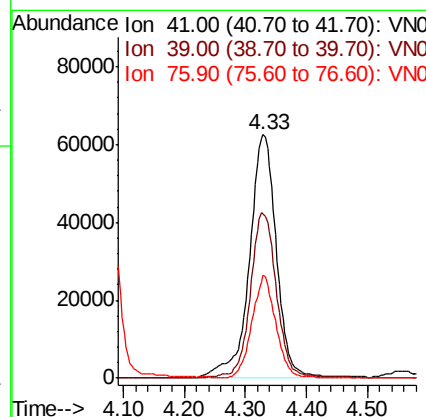
Manual Integrations
APPROVED

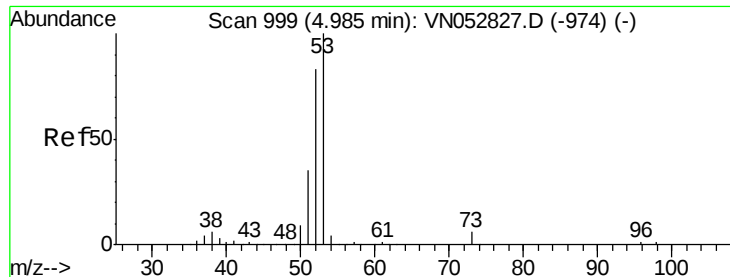
MMDadoda
12/14/2018 9:02:11 AM



#14
Allyl chloride
Concen: 18.697 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	63.6	54.1	81.1
76	76	37.0	30.3	45.5





#15

Acrylonitrile

Concen: 93.848 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

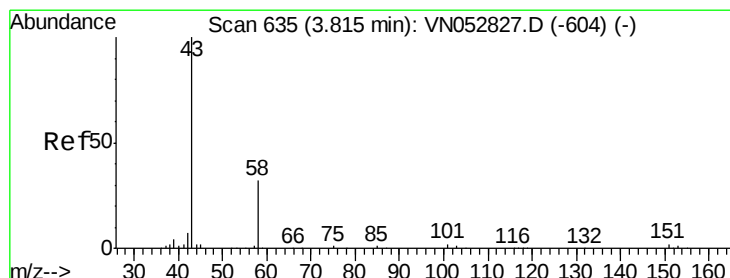
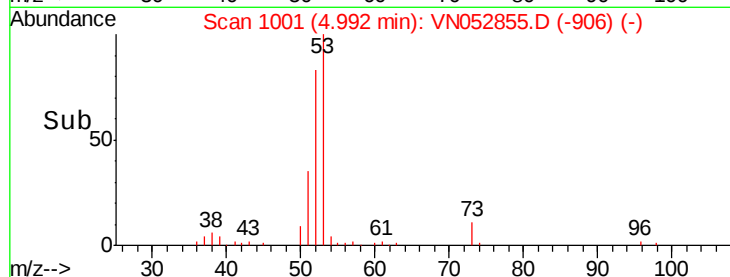
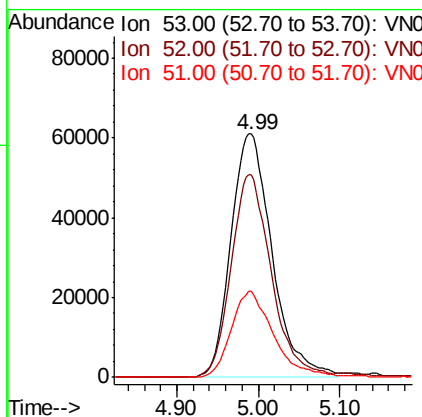
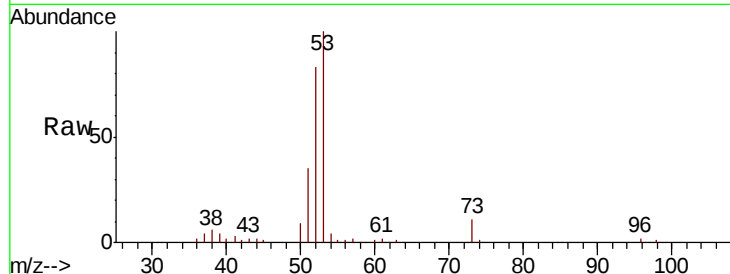
ClientSampleId :

VN1213MBS01

Tot Ion:	53	Resp:	214448
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	36.3	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#16

Acetone

Concen: 99.364 ug/l

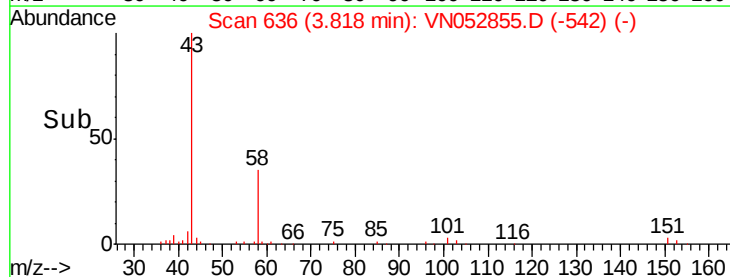
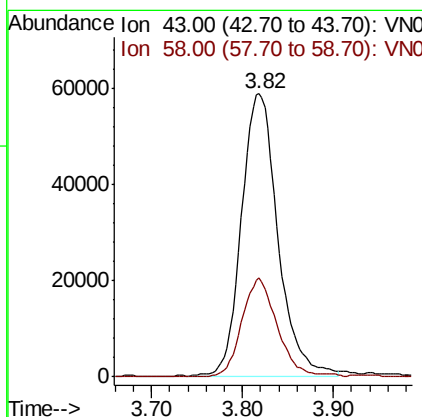
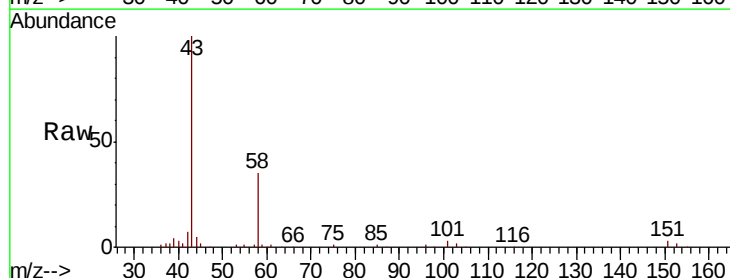
RT: 3.82 min Scan# 636

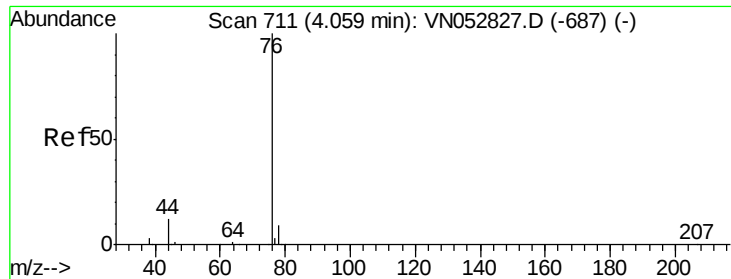
Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	43	Resp:	162679
Ion	Ratio	Lower	Upper
43	100		
58	34.9	25.4	38.0





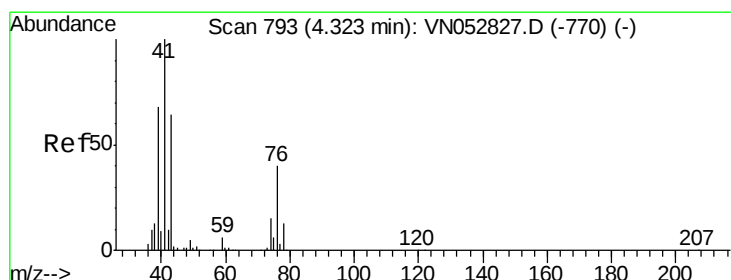
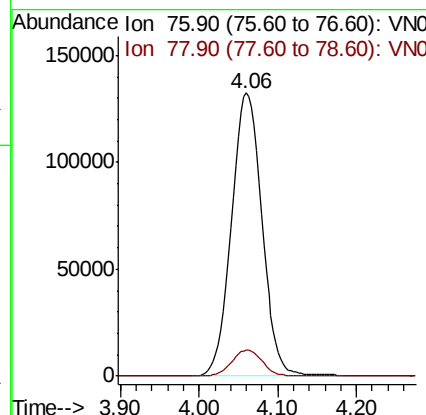
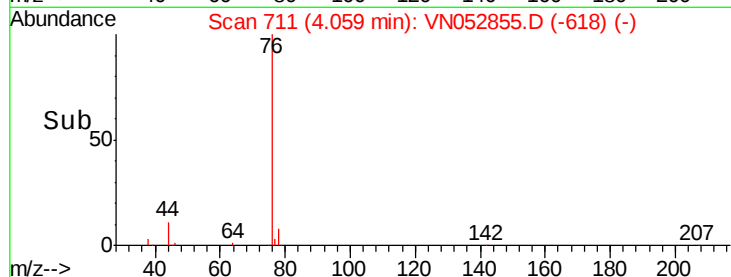
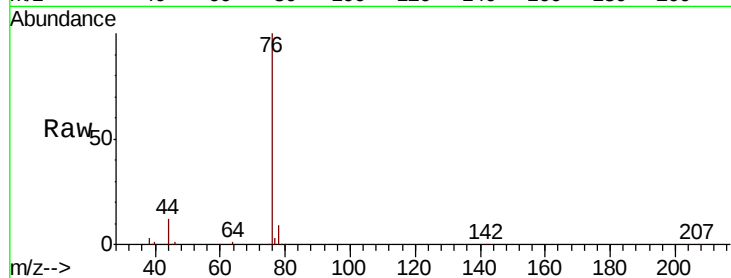
#17
Carbon Disulfide
Concen: 18.471 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

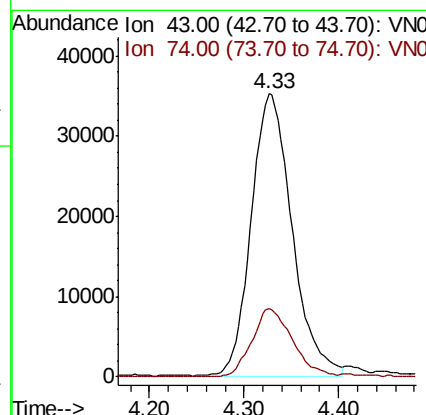
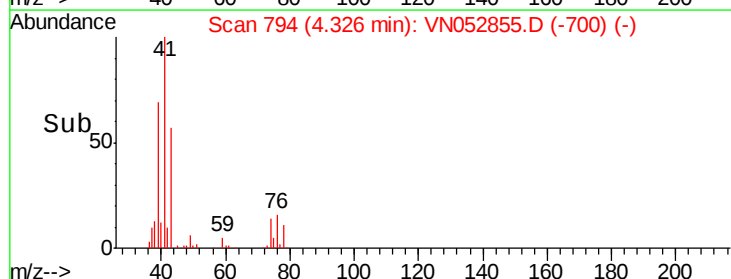
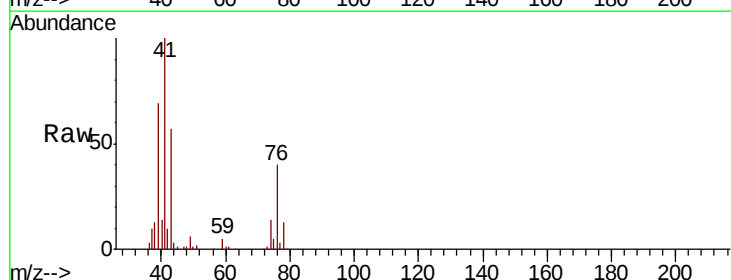
Manual Integrations
APPROVED

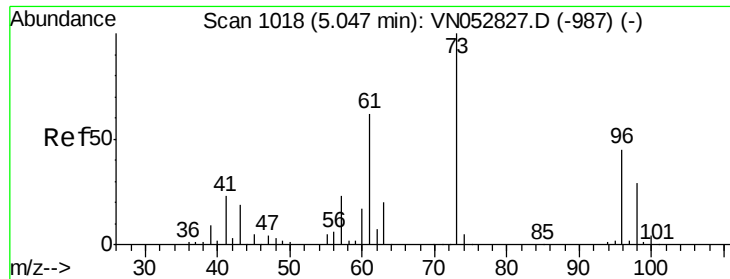
MMDadoda
12/14/2018 9:02:11 AM



#18
Methyl Acetate
Concen: 17.738 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





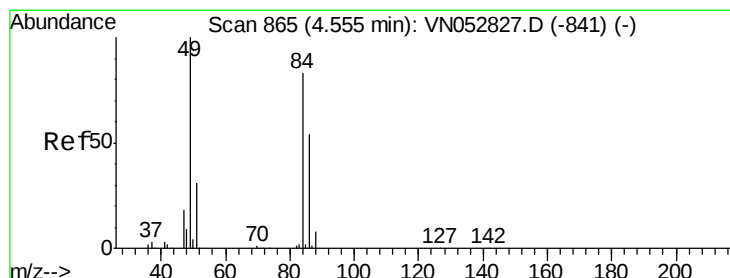
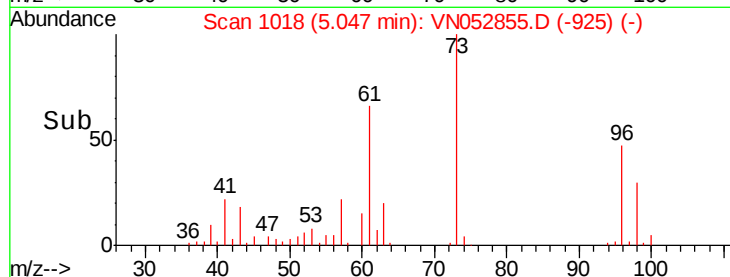
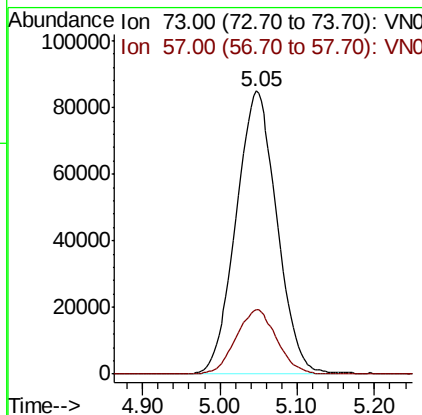
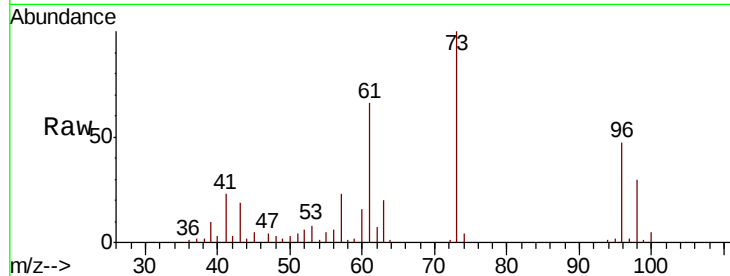
#19
Methvl tert-butvl Ether
Concen: 18.241 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 73 Resp: 312133
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

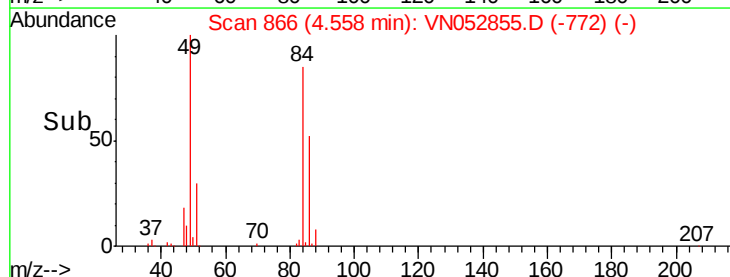
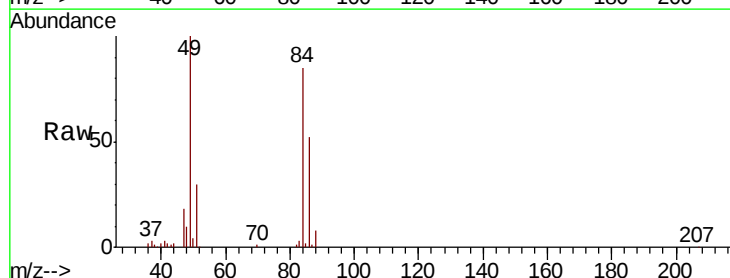
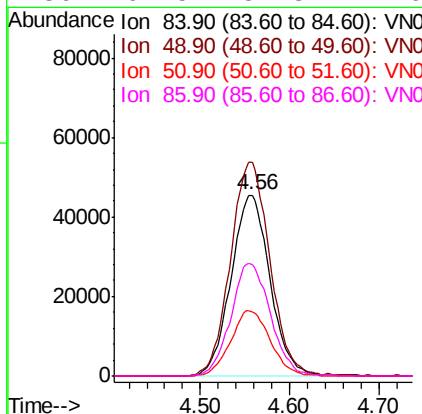
Manual Integrations
APPROVED

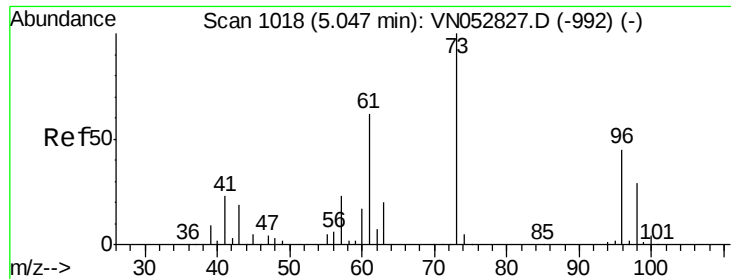
MMDadoda
12/14/2018 9:02:11 AM



#20
Methylene Chloride
Concen: 18.703 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 84 Resp: 137802
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 35.4 29.9 44.9
86 61.5 51.8 77.6





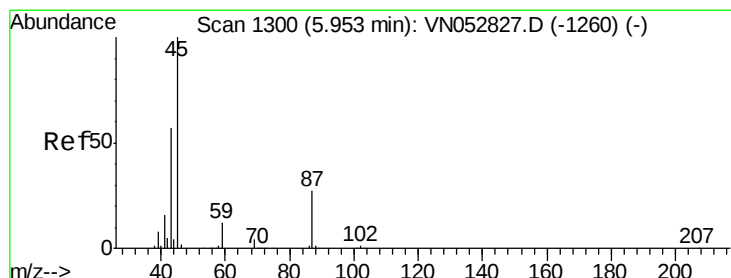
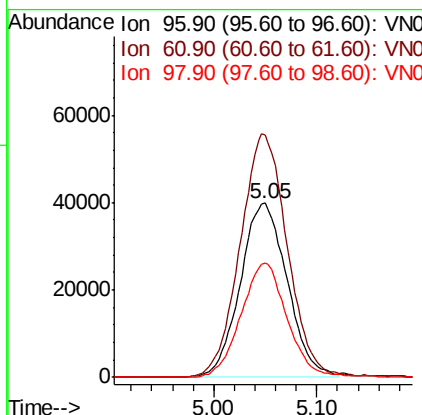
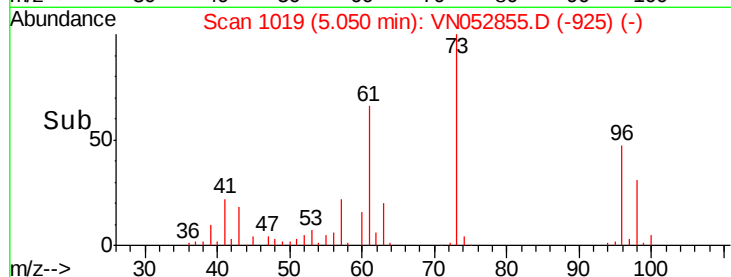
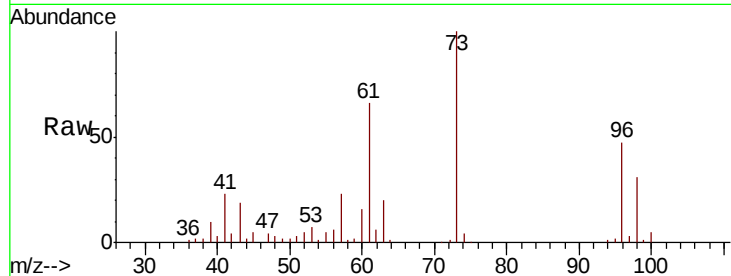
#21
trans-1,2-Dichloroethene
Concen: 18.471 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	110.8	166.2
98	65.6	51.4	77.2

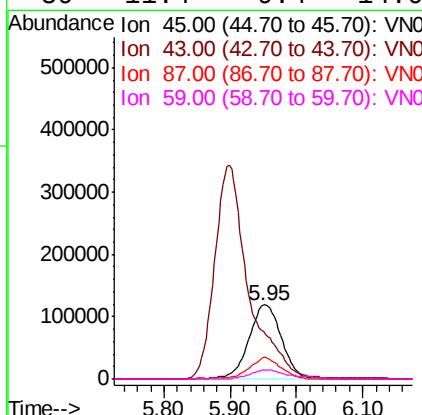
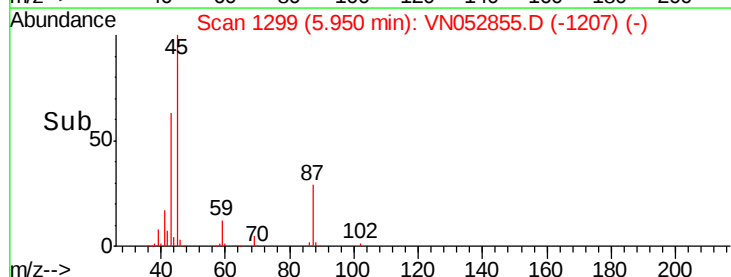
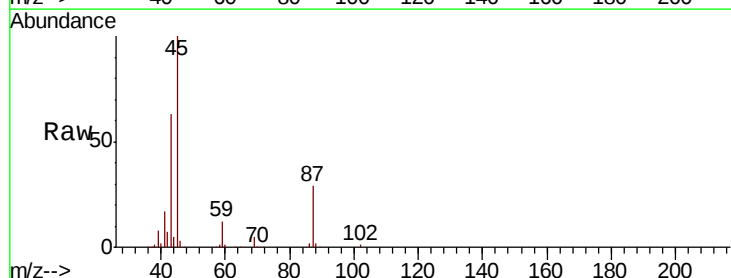
Manual Integrations
APPROVED

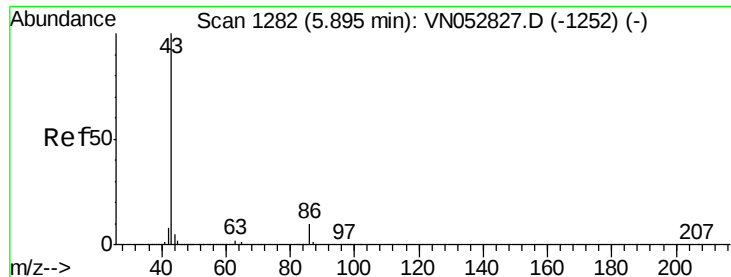
MMDadoda
12/14/2018 9:02:11 AM



#22
Diisopropyl ether
Concen: 18.549 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	45.5	68.3
87	28.4	22.0	33.0
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 93.457 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 43 Resp: 1221397

Ion Ratio Lower Upper

43 100

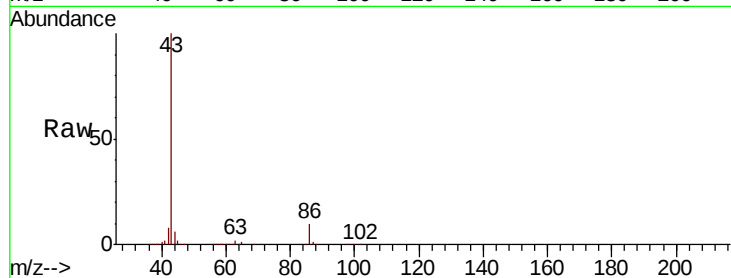
86 10.1 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

400000

300000

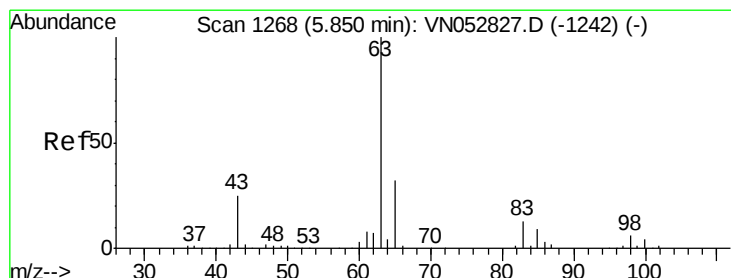
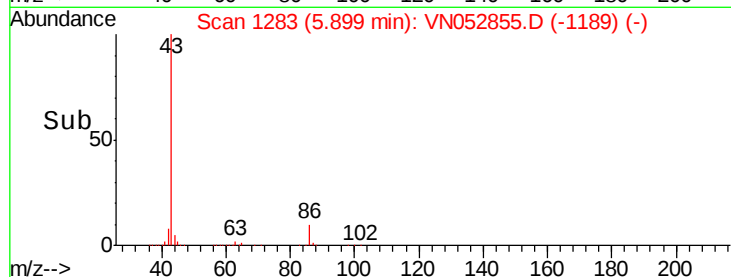
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.890 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

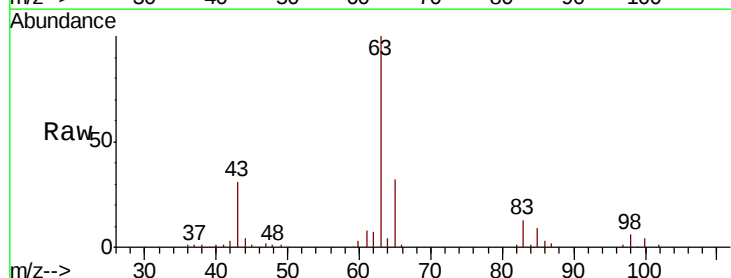
Tgt Ion: 63 Resp: 239256

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.5 2.0 5.8



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

100000

80000

60000

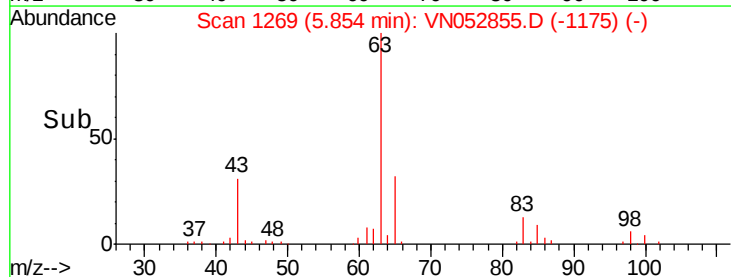
40000

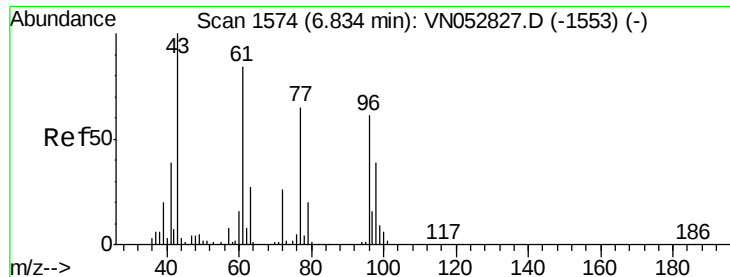
20000

0

5.70 5.80 5.90 6.00

Time-->





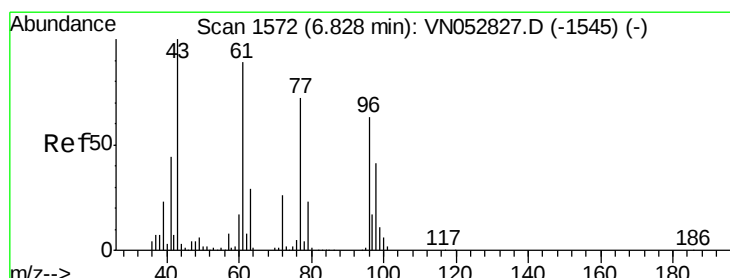
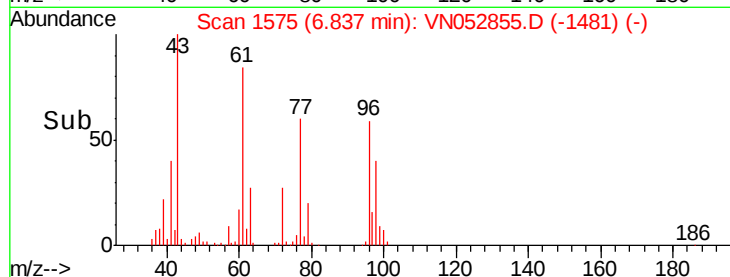
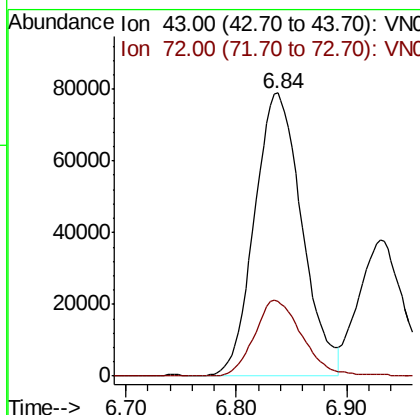
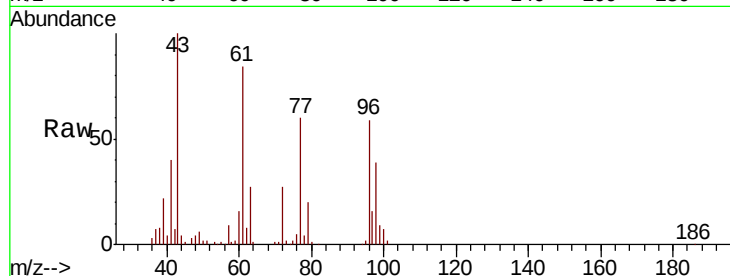
#25
2-Butanone
Concen: 92.127 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 43 Resp: 234035
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6

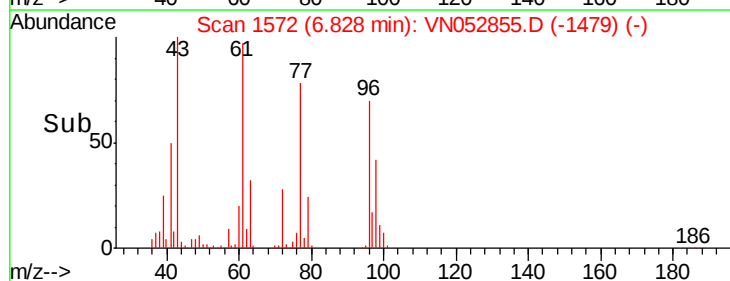
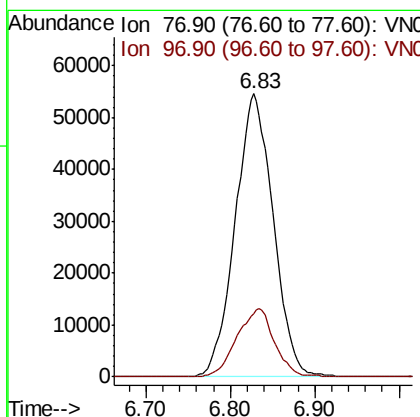
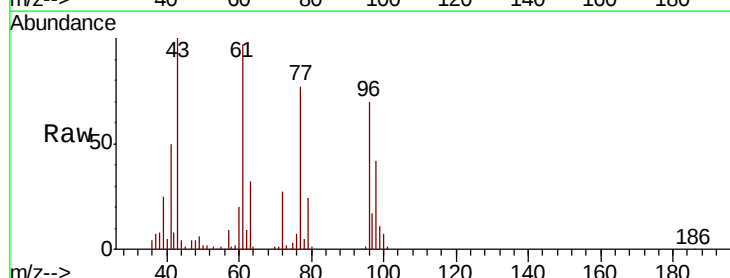
Manual Integrations
APPROVED

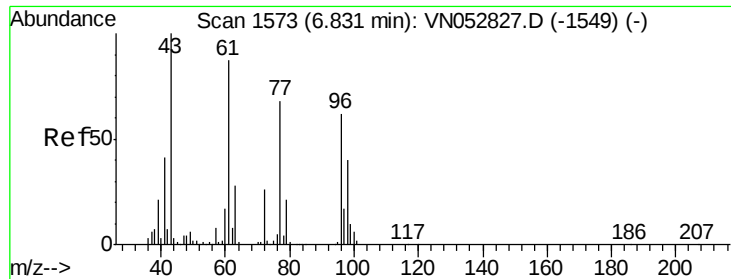
MMDadoda
12/14/2018 9:02:11 AM



#26
2,2-Dichloropropane
Concen: 18.358 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 77 Resp: 171228
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.346 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

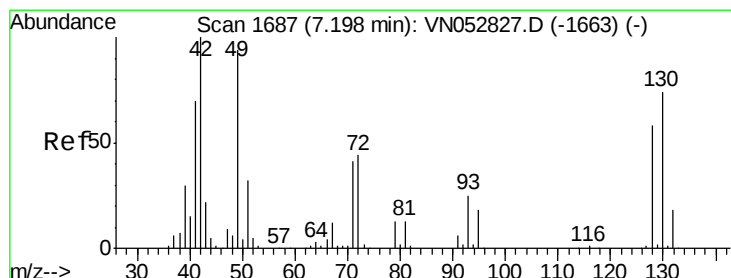
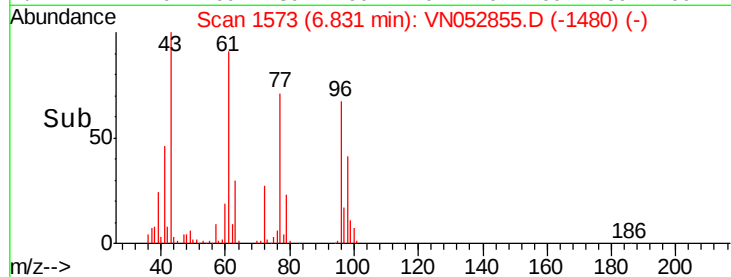
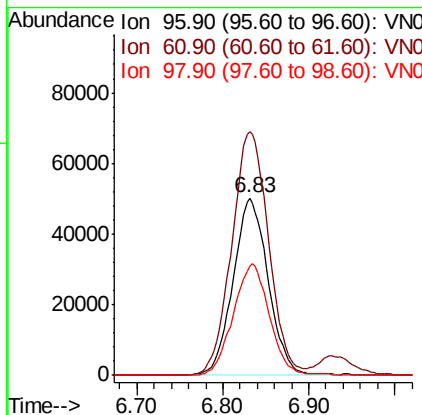
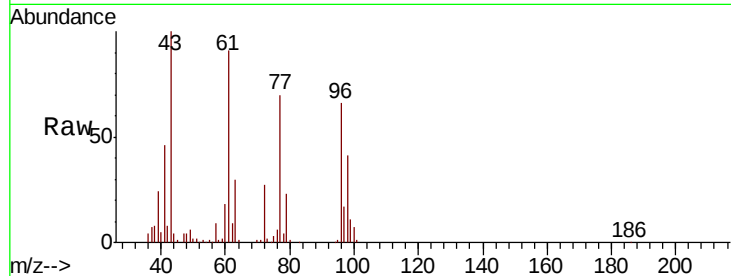
ClientSampleId :

VN1213MBS01

Tot Ion:	96	Resp:	142190
Ion Ratio	Lower	Upper	
96	100		
61	144.1	0.0	284.2
98	64.9	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#28

Bromochloromethane

Concen: 14.418 ug/l

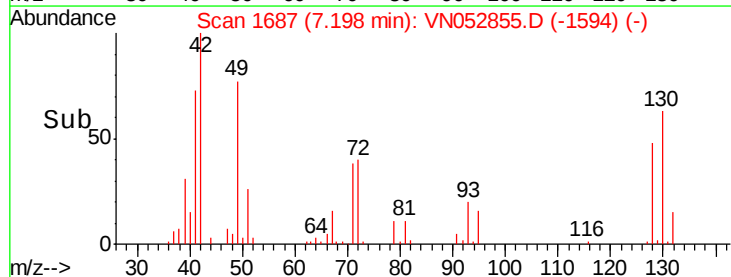
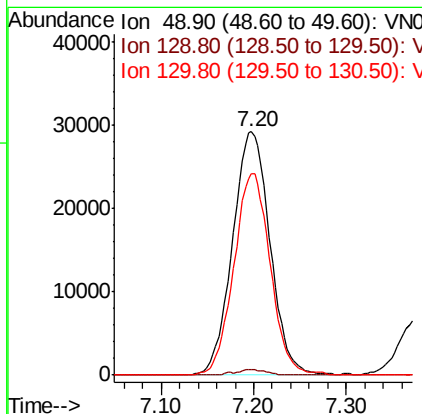
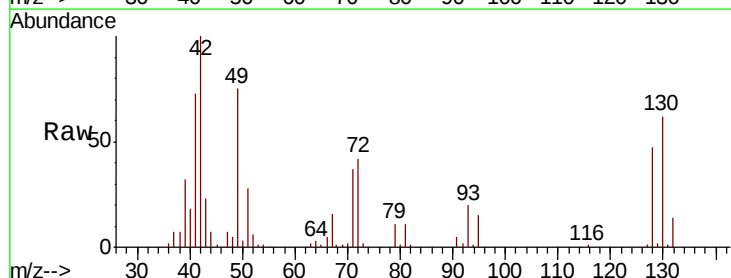
RT: 7.20 min Scan# 1687

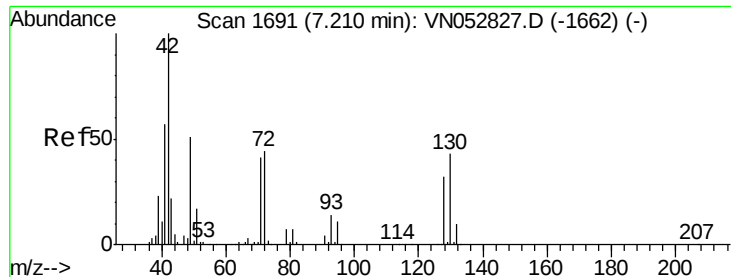
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	49	Resp:	82003
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.0
130	80.2	63.3	94.9





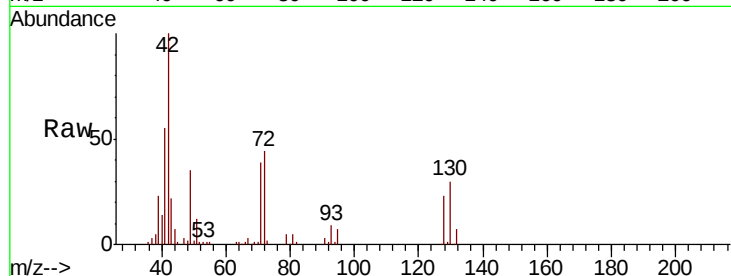
#29
Tetrahydrofuran
Concen: 92.293 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.7	52.1
71	39.5	32.3	48.5

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM

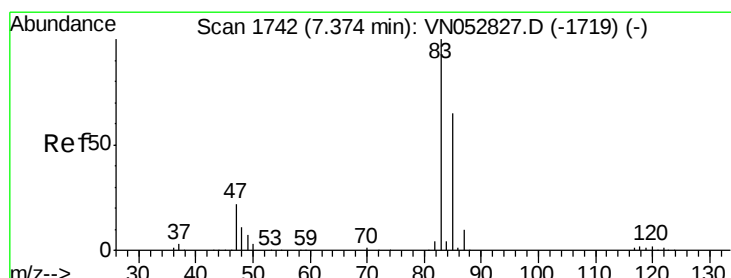
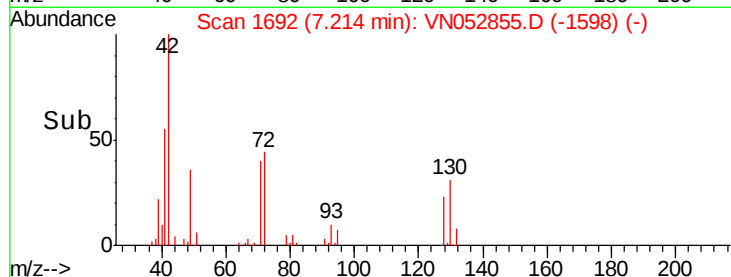
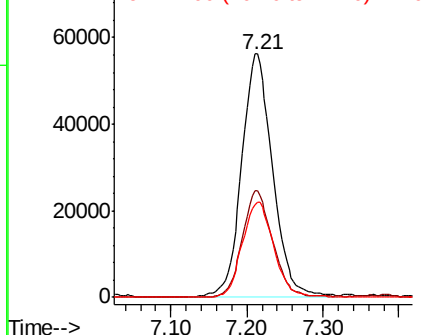


Abundance

Ion 42.00 (41.70 to 42.70): VN052827.D (-1662) (-)

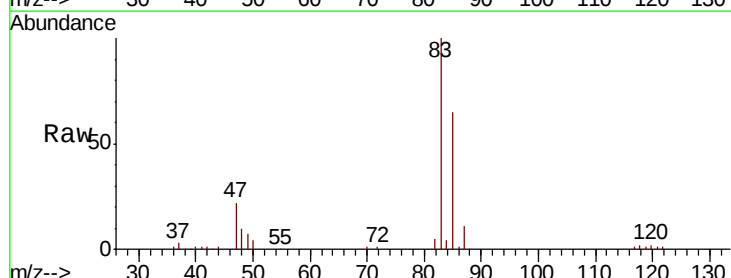
Ion 72.00 (71.70 to 72.70): VN052827.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN052827.D (-1662) (-)



#30
Chloroform
Concen: 18.982 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

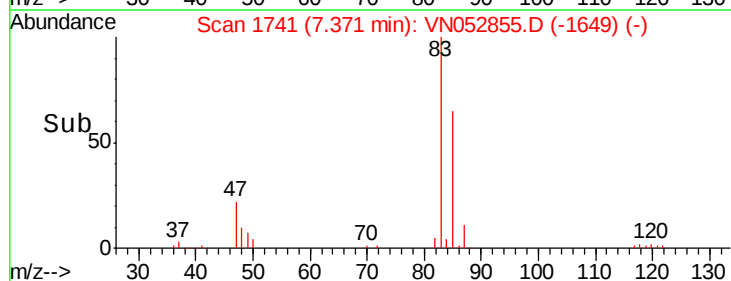
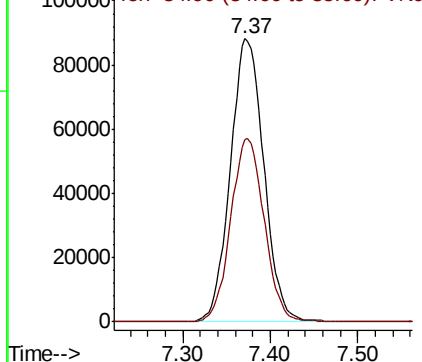
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1

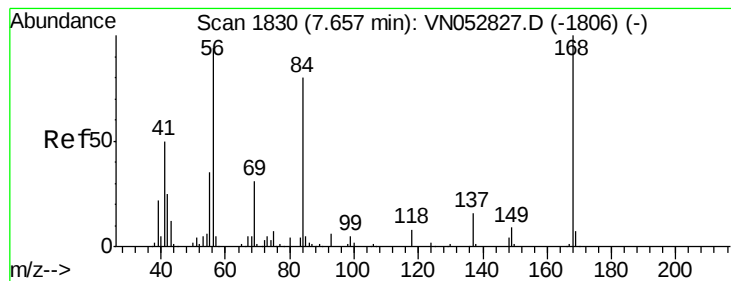


Abundance

Ion 82.90 (82.60 to 83.60): VN052827.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-1719) (-)





#31

Cyclohexane

Concen: 17.835 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

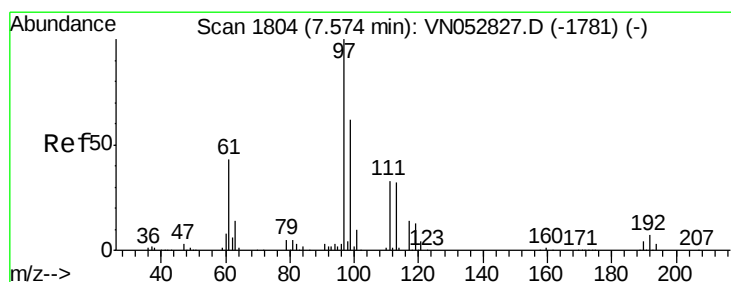
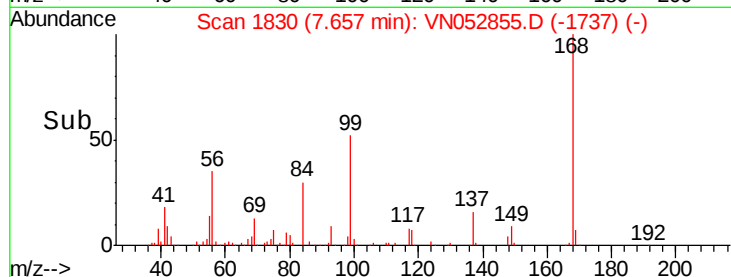
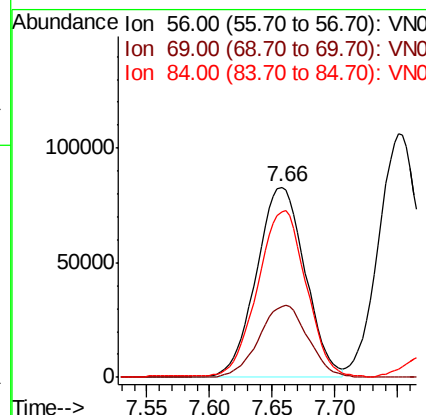
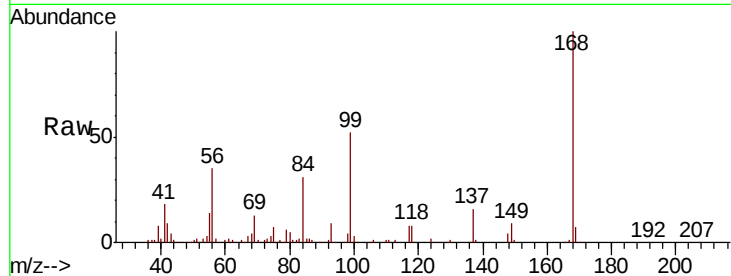
ClientSampleId :

VN1213MBS01

Tot Ion:	56	Resp:	224925
Ion Ratio	Lower	Upper	
56	100		
69	37.3	26.6	39.8
84	86.1	68.4	102.6

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#32

1,1,1-Trichloroethane

Concen: 18.564 ug/l

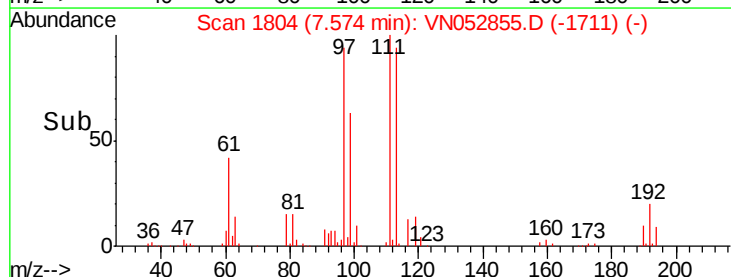
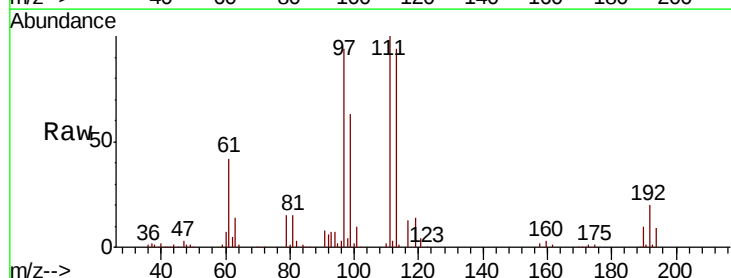
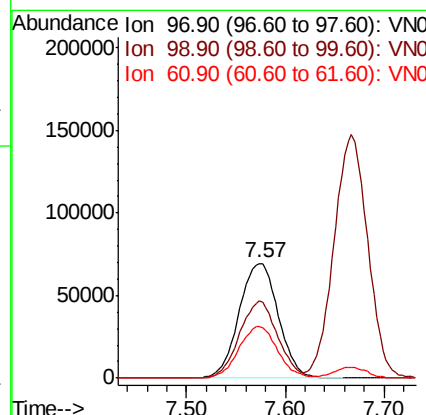
RT: 7.57 min Scan# 1804

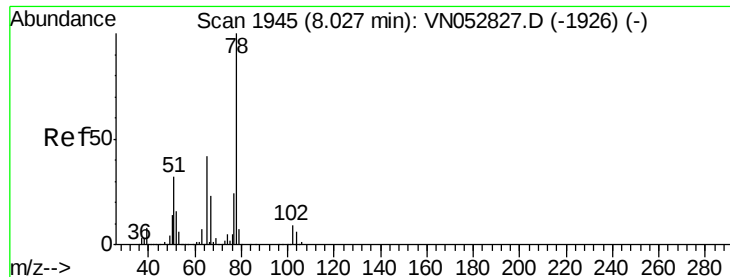
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	97	Resp:	191835
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.1	76.7
61	43.9	35.0	52.6





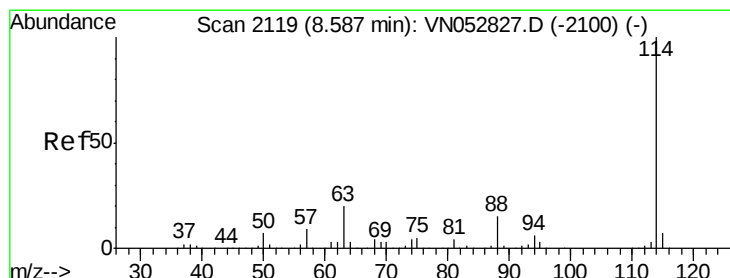
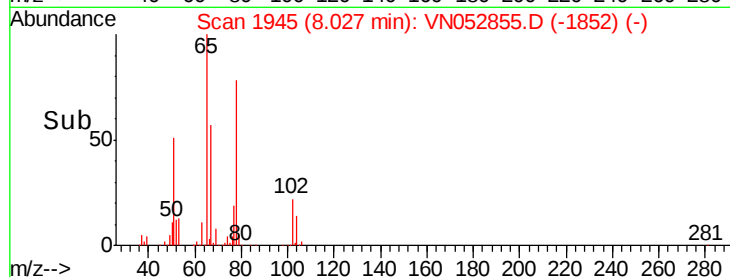
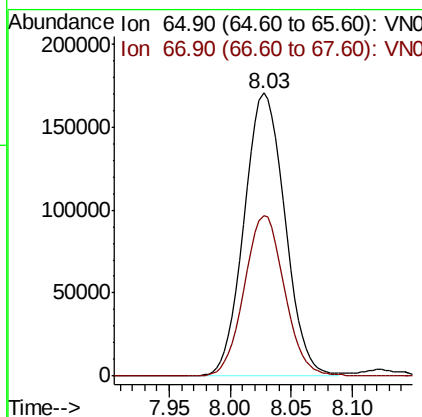
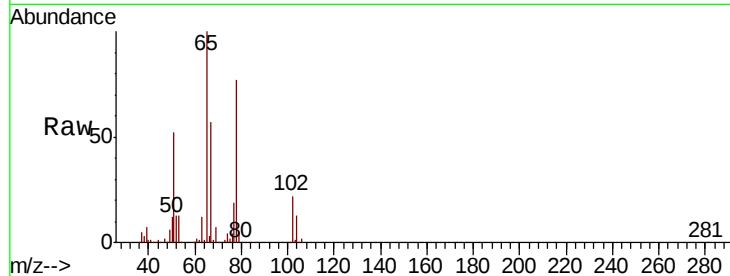
#33
 1,2-Dichloroethane-d4
 Concen: 18.564 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.9	0.0	110.4	

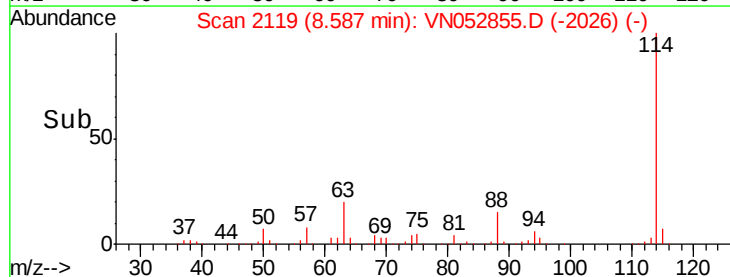
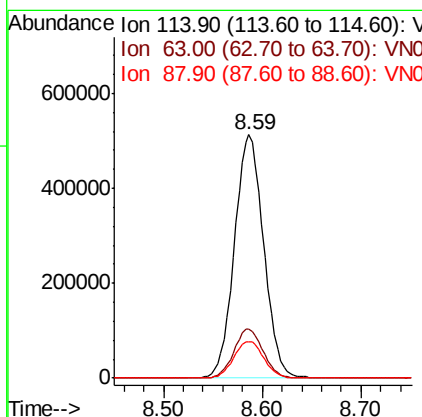
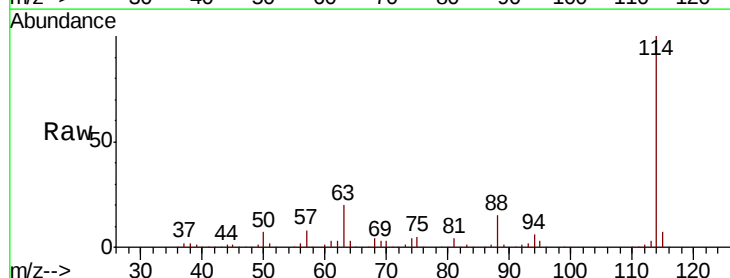
Manual Integrations
 APPROVED

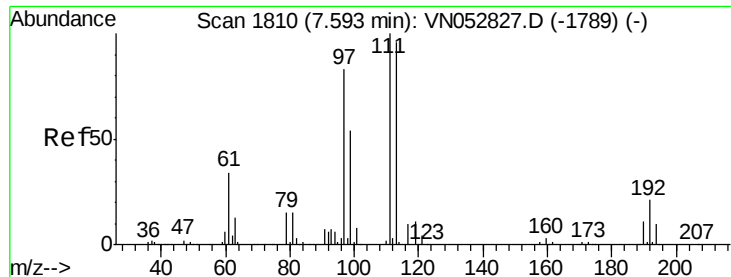
MMDadoda
 12/14/2018 9:02:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	39.8	
88	15.0	0.0	31.0	





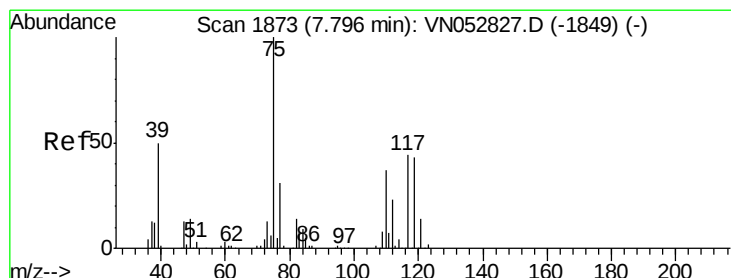
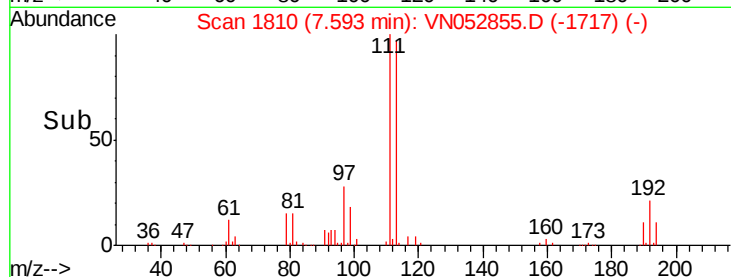
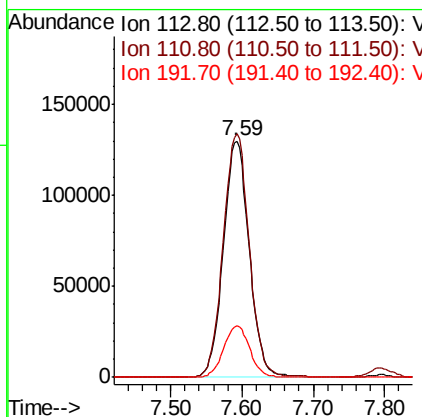
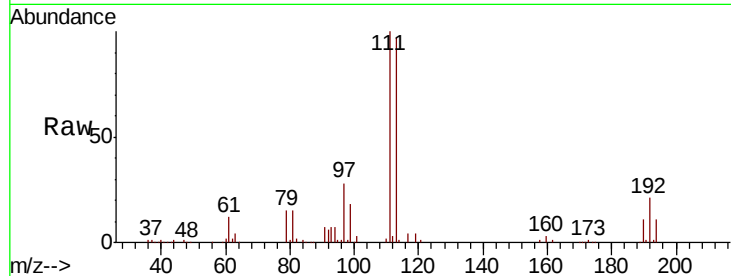
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	83.0	124.4	
192	22.1	17.5	26.3	

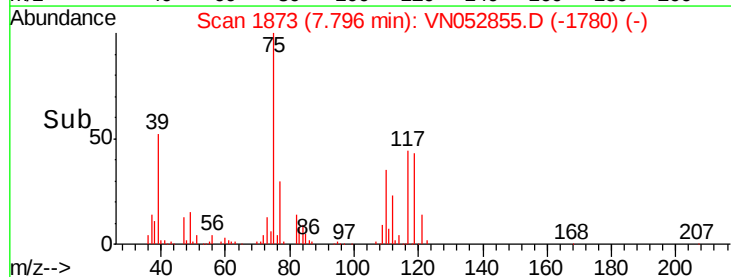
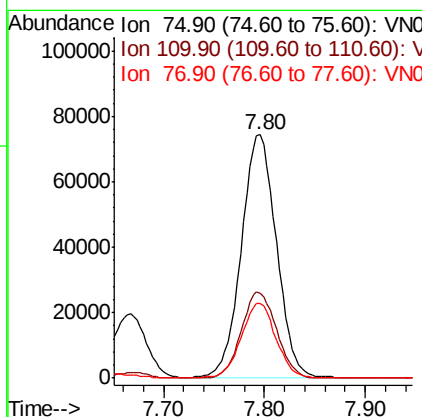
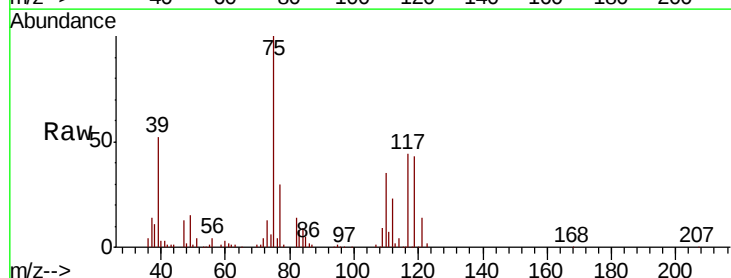
Manual Integrations
 APPROVED

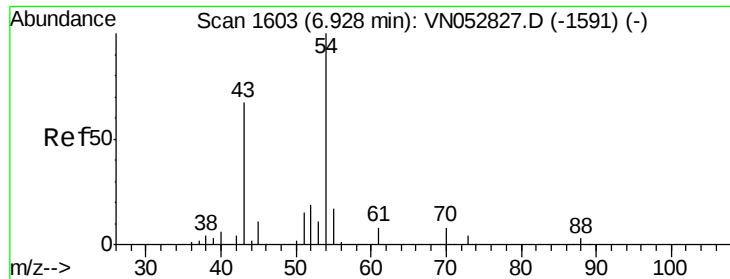
MMDadoda
 12/14/2018 9:02:11 AM



#36
 1,1-Dichloropropene
 Concen: 18.413 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	18.2	54.6	
77	30.7	24.9	37.3	





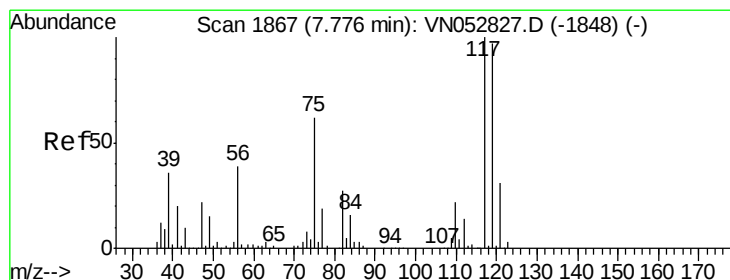
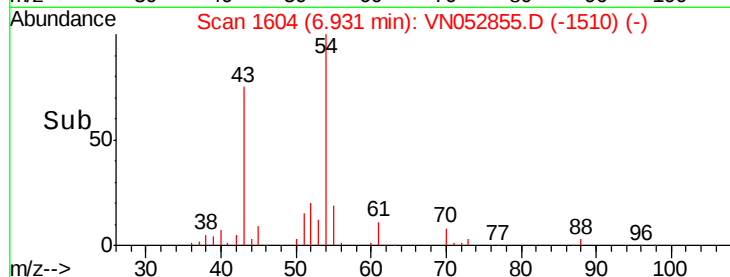
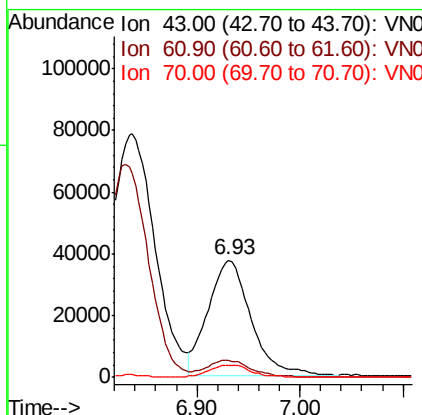
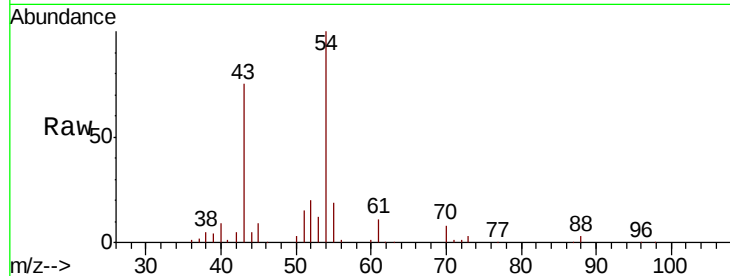
#37
Ethyl Acetate
Concen: 18.653 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	43	61	70
Resp	108673		
Ion Ratio	100	14.3	10.3
Lower		11.8	8.4
Upper		17.6	12.6

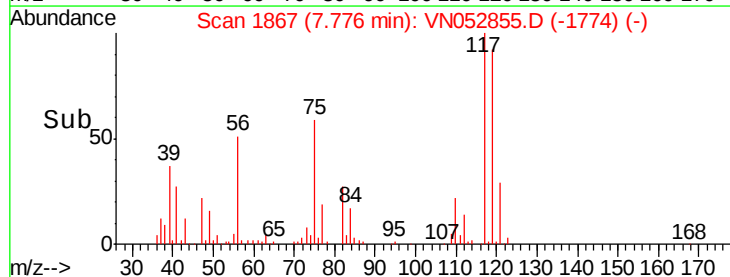
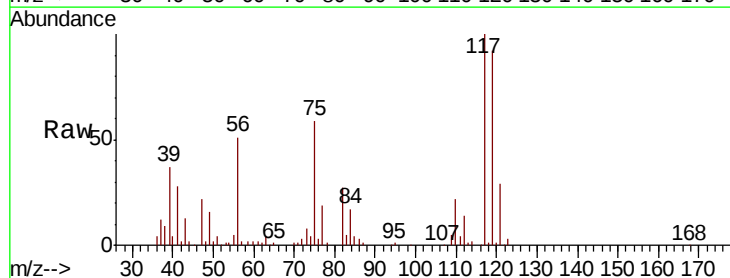
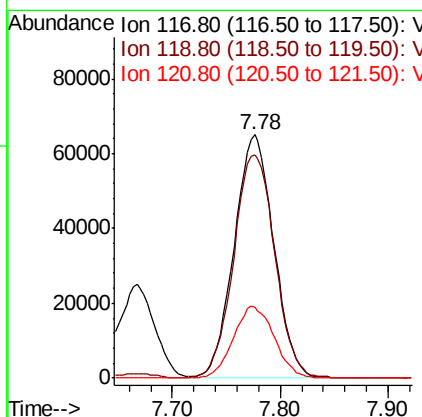
Manual Integrations
APPROVED

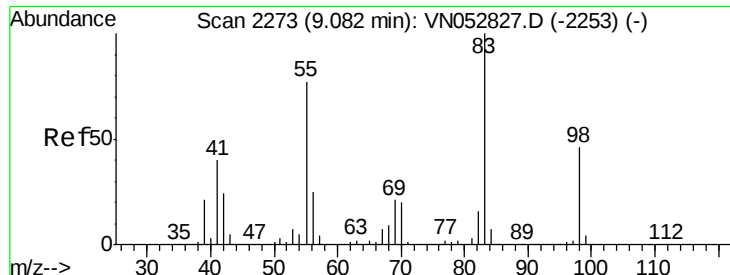
MMDadoda
12/14/2018 9:02:11 AM



#38
Carbon Tetrachloride
Concen: 18.499 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	117	119	121
Resp	165135		
Ion Ratio	100	91.9	29.2
Lower		77.1	24.9
Upper		115.7	37.3





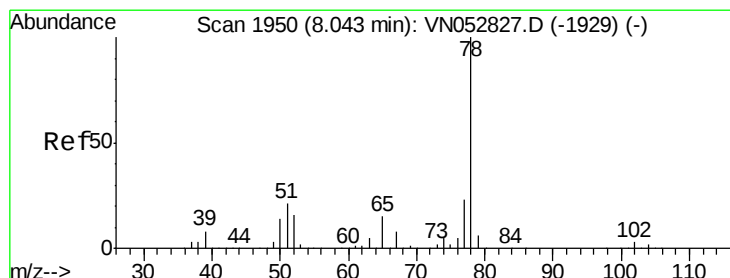
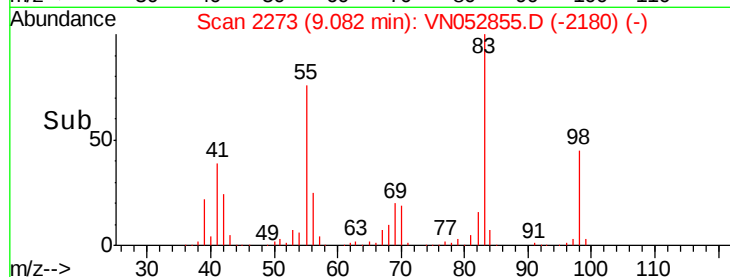
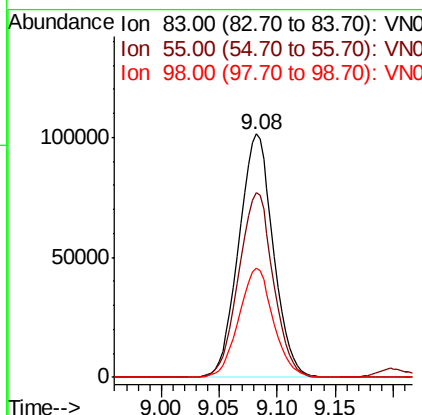
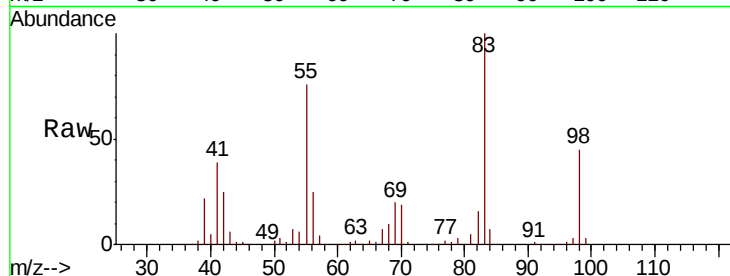
#39
Methvlcvclohexane
Concen: 17.641 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.3	91.9
98	44.8	37.0	55.4

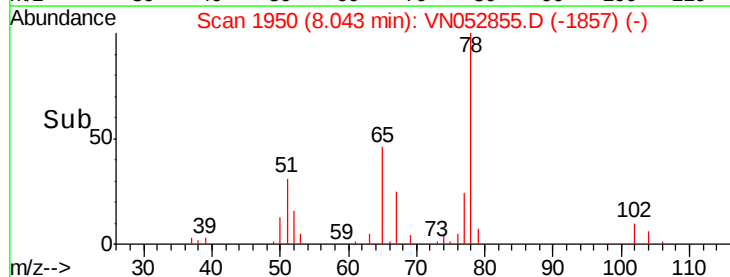
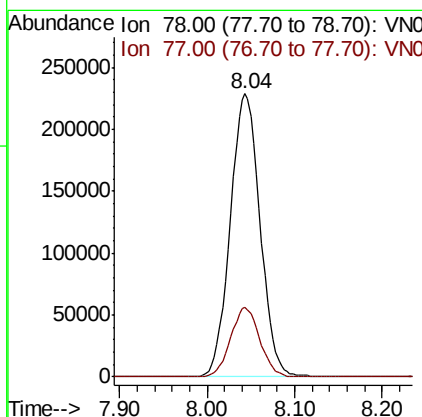
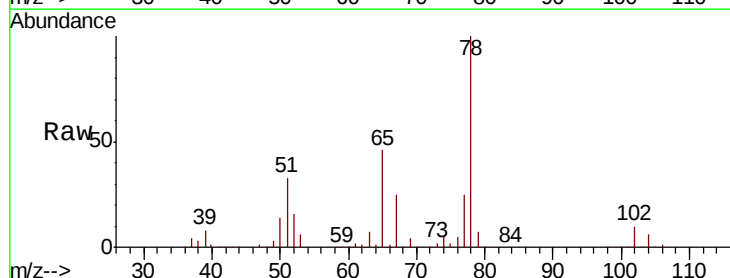
Manual Integrations
APPROVED

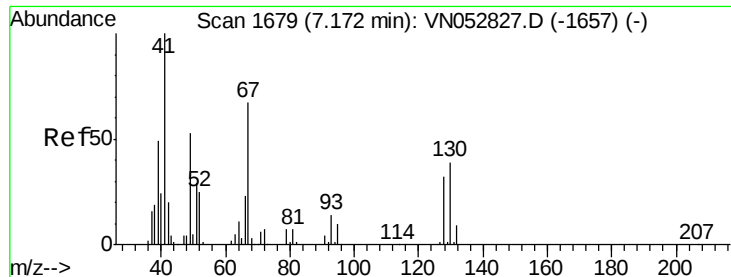
MMDadoda
12/14/2018 9:02:11 AM



#40
Benzene
Concen: 18.558 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.5	27.7





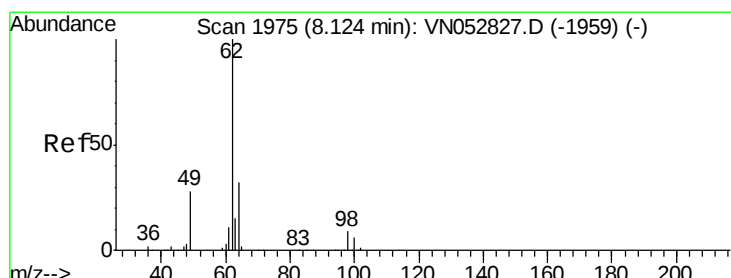
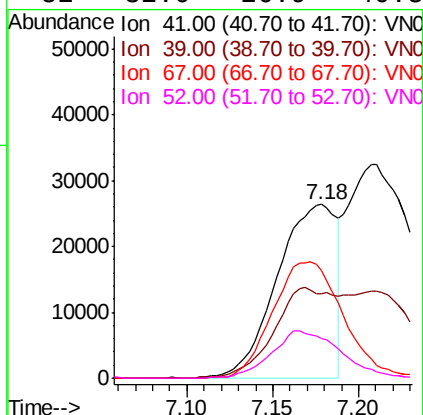
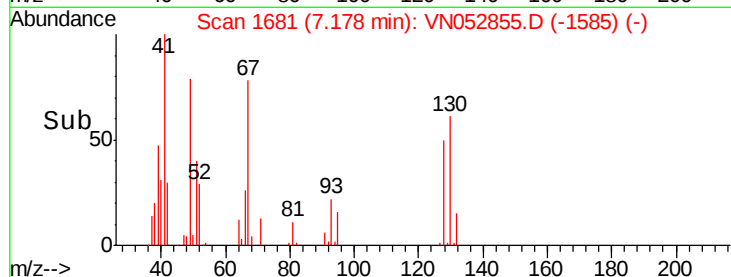
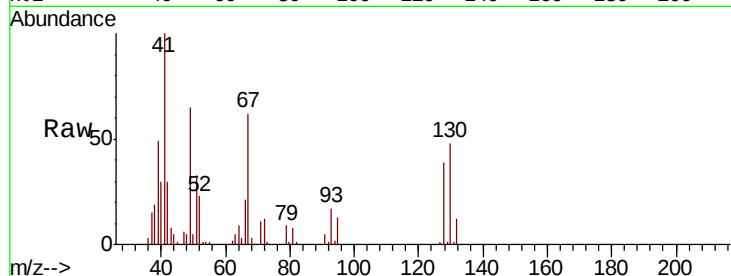
#41
Methacrylonitrile
Concen: 19.636 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	41	Resp	63387
Ion	Ratio	Lower	Upper
41	100		
39	52.7	48.0	72.0
67	79.7	70.3	105.5
52	32.0	26.9	40.3

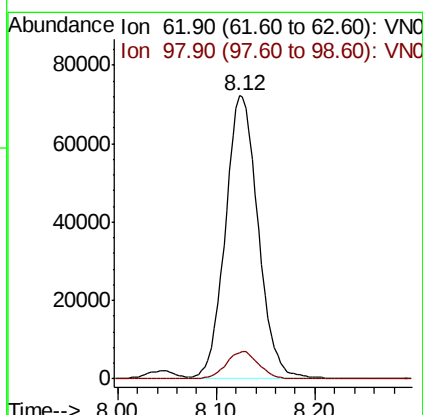
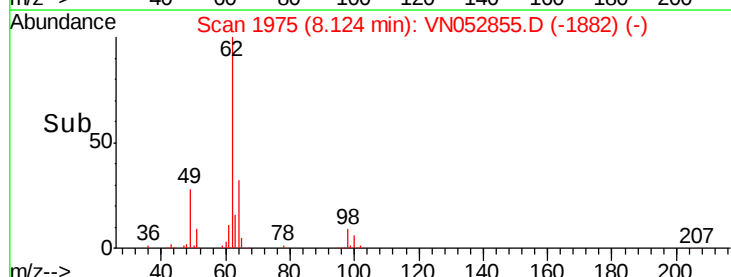
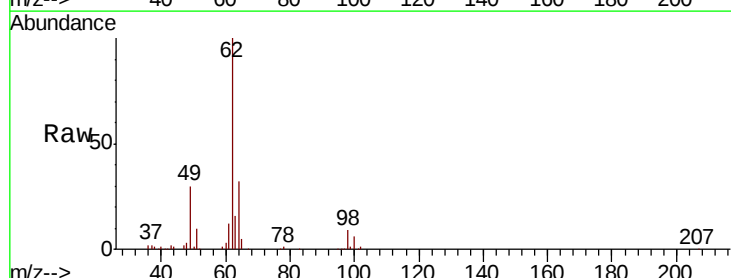
Manual Integrations
APPROVED

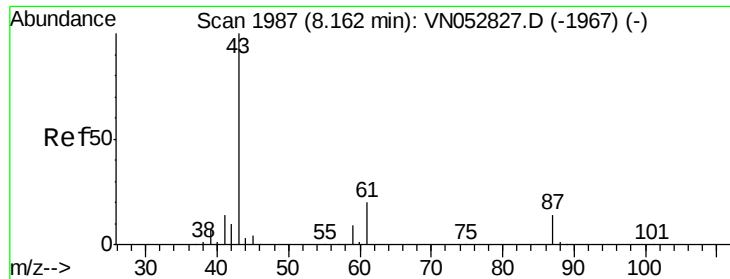
MMDadoda
12/14/2018 9:02:11 AM



#42
1,2-Dichloroethane
Concen: 18.942 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	62	Resp	165989
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 16.863 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

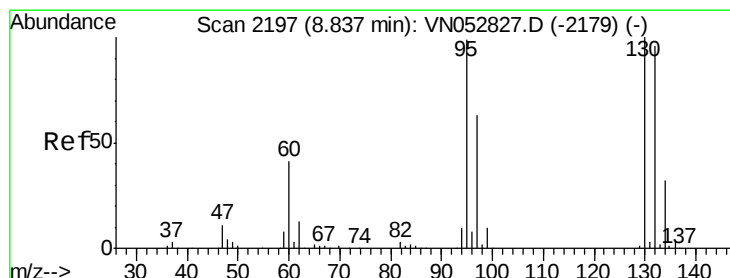
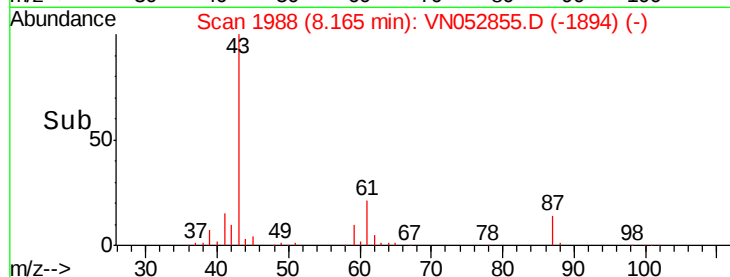
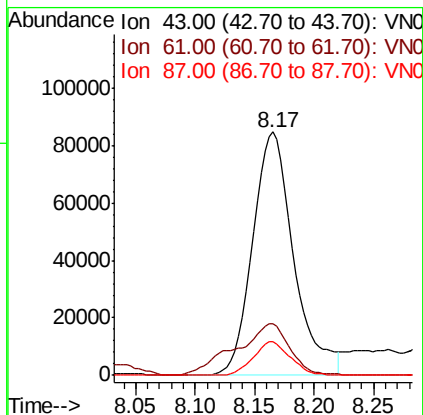
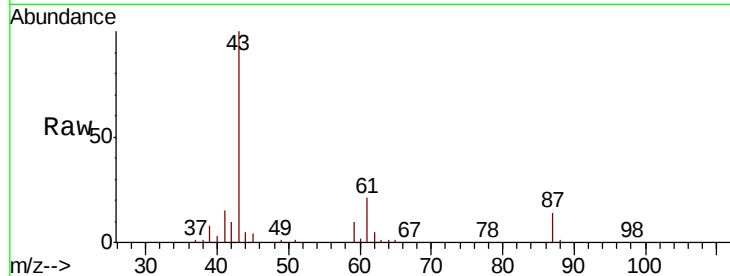
ClientSampleId :

VN1213MBS01

Tot Ion:	43	Resp:	201434
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.9	34.3
87	12.5	10.6	15.8

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#44

Trichloroethene

Concen: 18.465 ug/l

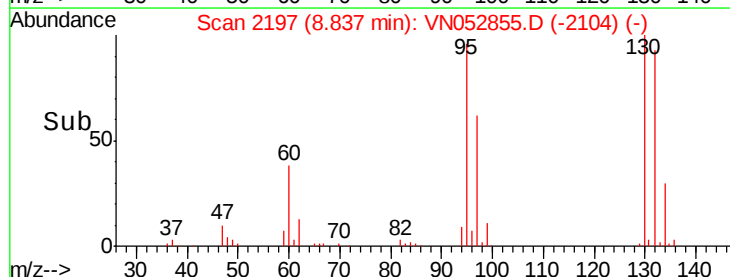
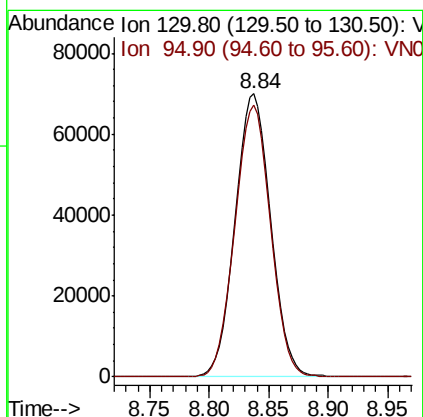
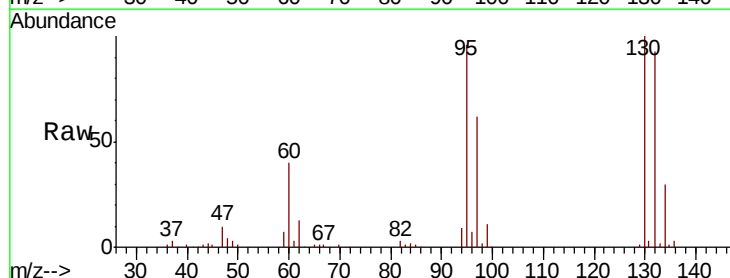
RT: 8.84 min Scan# 2197

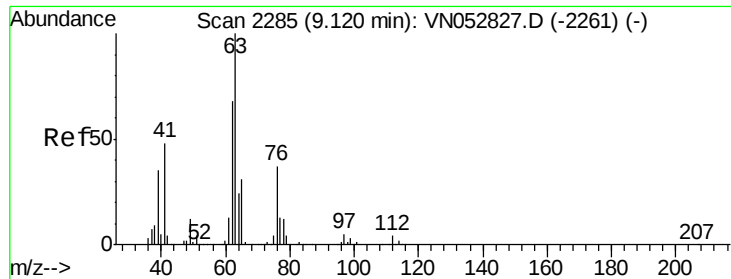
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	130	Resp:	145176
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	197.8





#45

1,2-Dichloropropane

Concen: 18.670 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 63 Resp: 142344

Ion Ratio Lower Upper

63 100

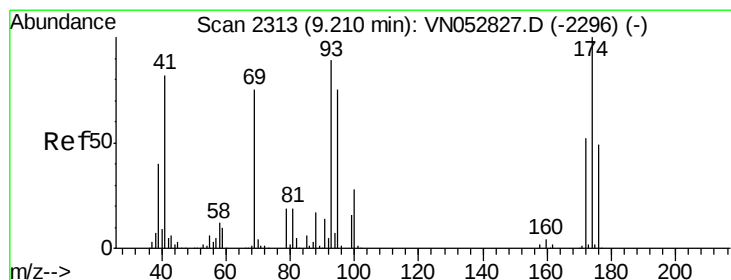
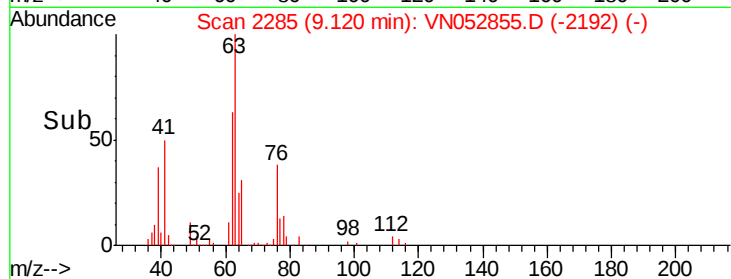
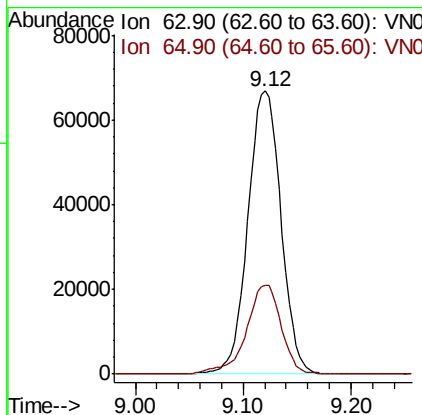
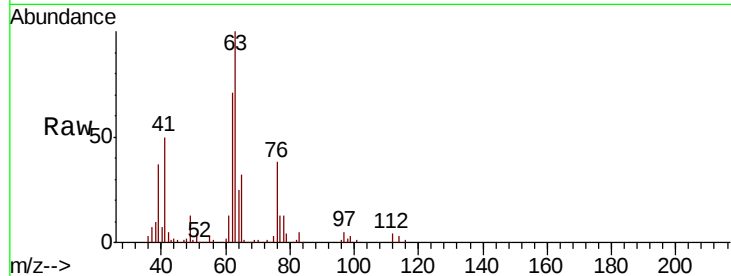
65 31.6 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



#46

Dibromomethane

Concen: 18.570 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

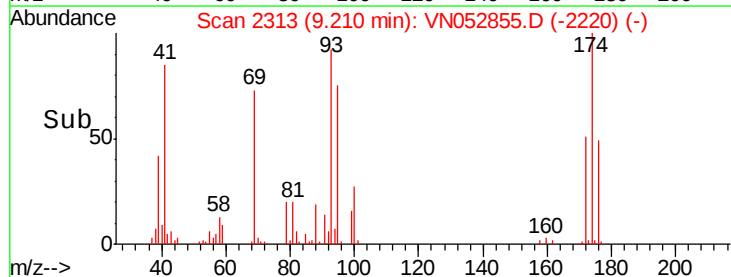
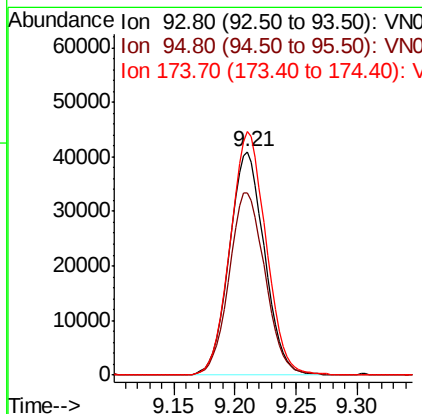
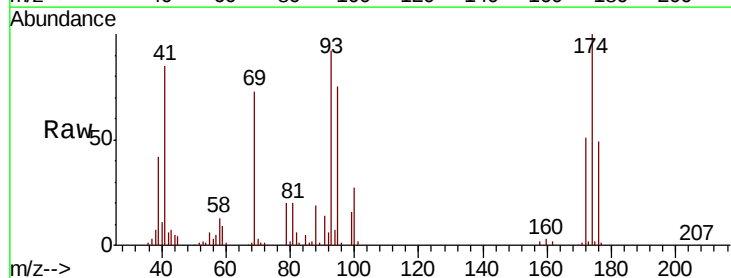
Tgt Ion: 93 Resp: 82108

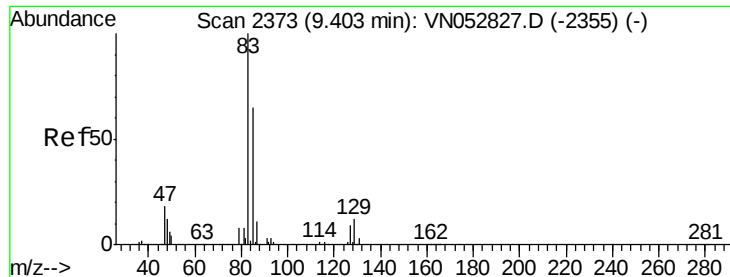
Ion Ratio Lower Upper

93 100

95 83.7 67.8 101.6

174 110.5 89.0 133.4





#47

Bromodichloromethane

Concen: 18.855 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

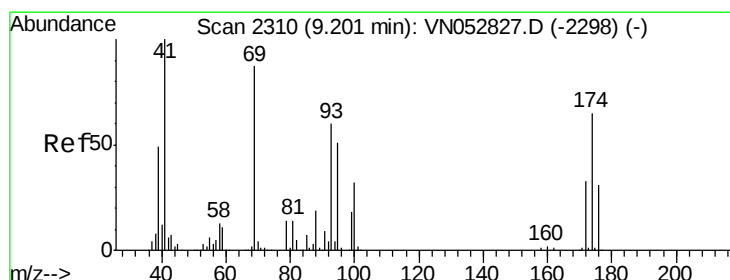
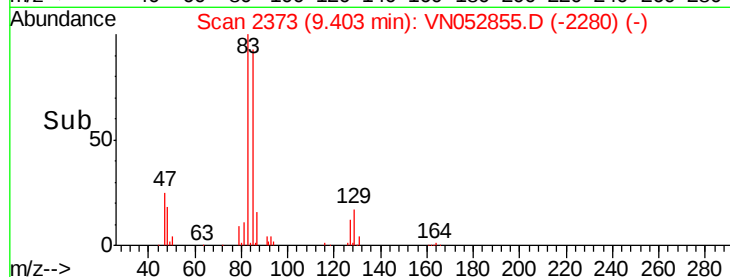
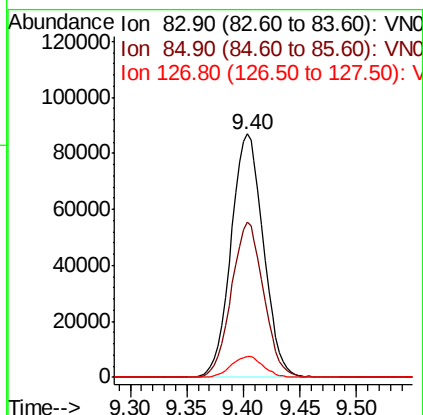
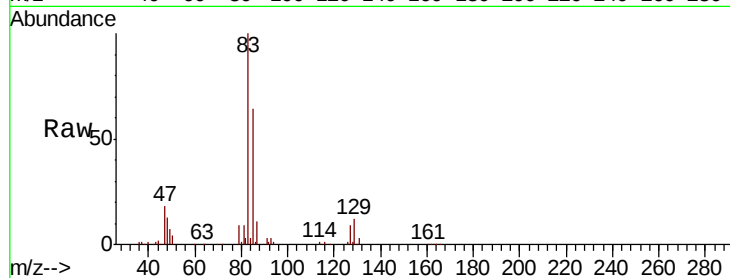
ClientSampleId :

VN1213MBS01

Tot Ion:	83	Resp:	172885
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.6	77.4
127	8.6	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#48

Methyl methacrylate

Concen: 18.585 ug/l

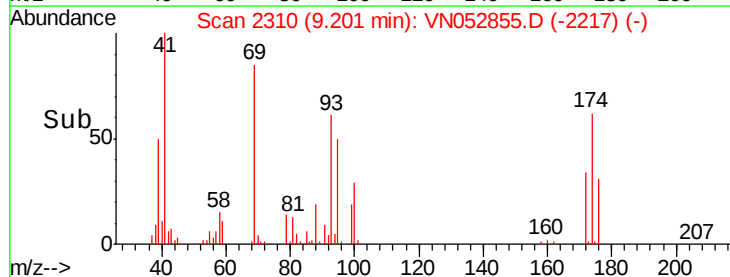
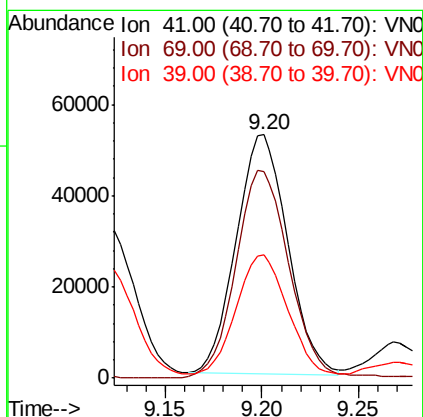
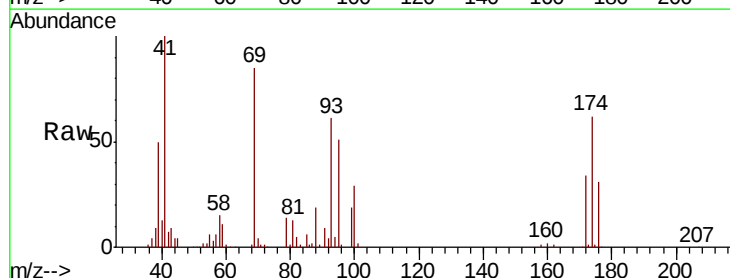
RT: 9.20 min Scan# 2310

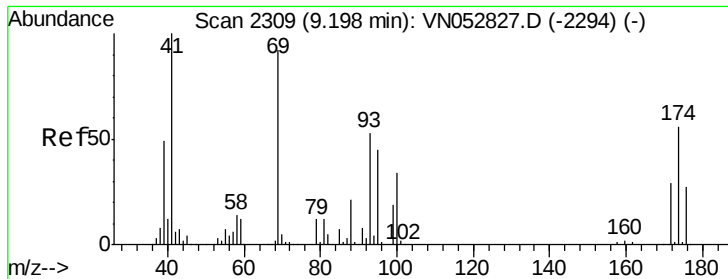
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	41	Resp:	97356
Ion Ratio	Lower	Upper	
41	100		
69	89.4	72.2	108.2
39	52.7	41.9	62.9





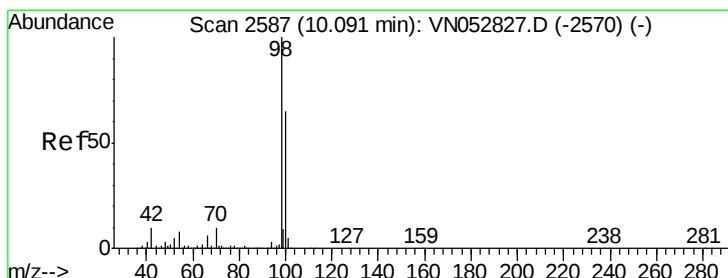
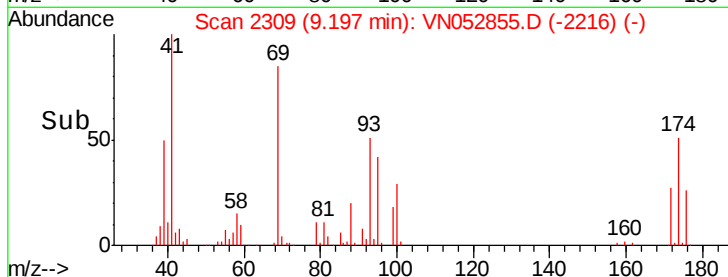
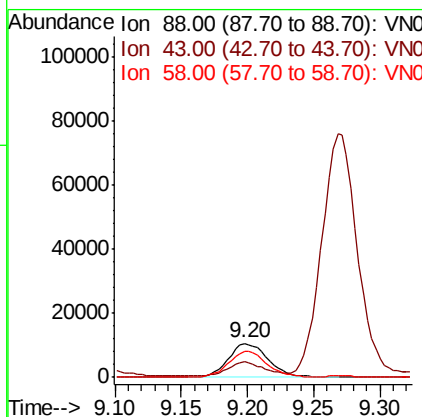
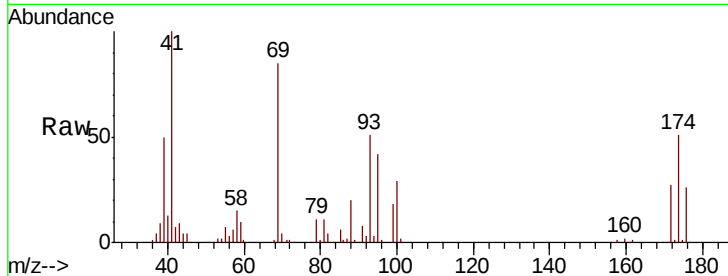
#49
1,4-Dioxane
Concen: 374.329 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	88	Resp	22258
Ion Ratio	100	Lower	Upper
88	100		
43	36.4	26.6	40.0
58	73.1	58.4	87.6

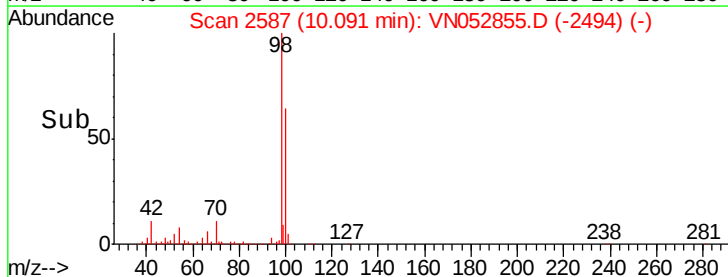
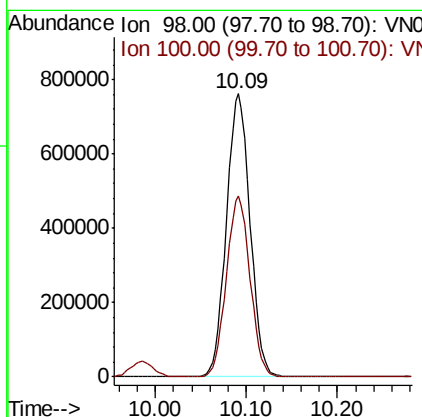
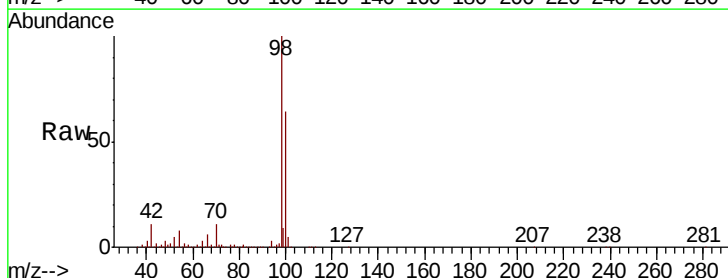
Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#50
Toluene-d8
Concen: 374.329 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	98	Resp	1373274
Ion Ratio	100	Lower	Upper
98	100		
100	63.9	51.6	77.4





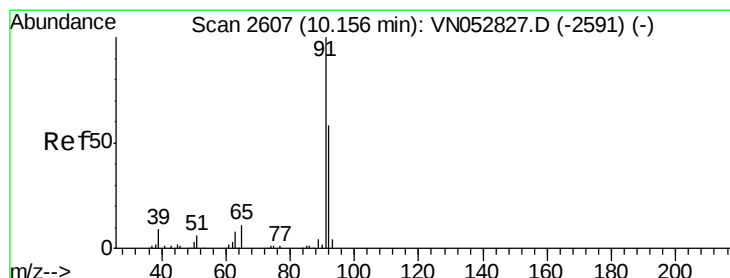
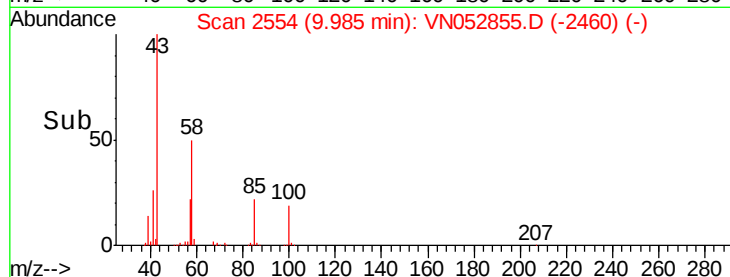
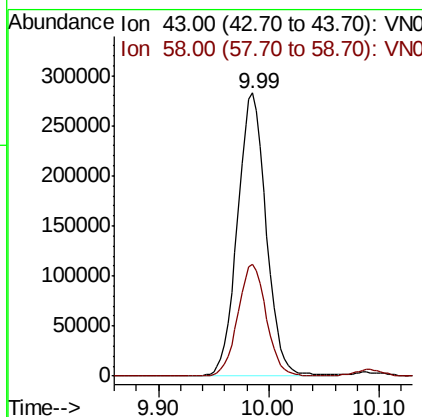
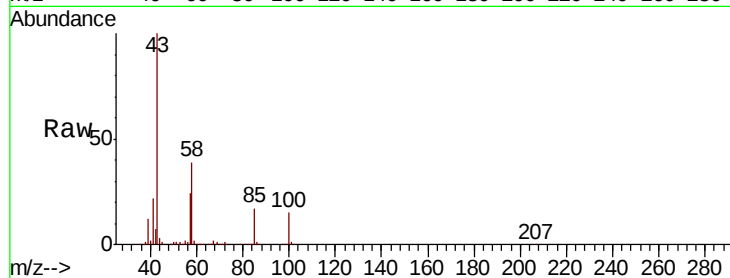
#51
4-Methyl-2-Pentanone
Concen: 92.431 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	32.2	48.4

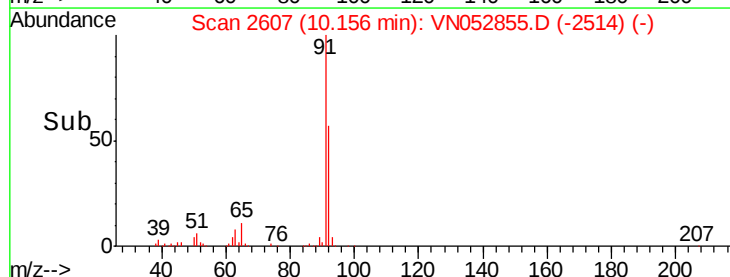
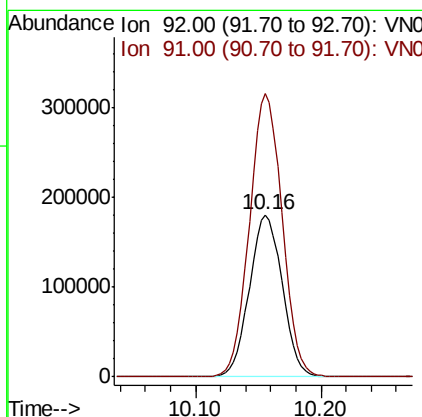
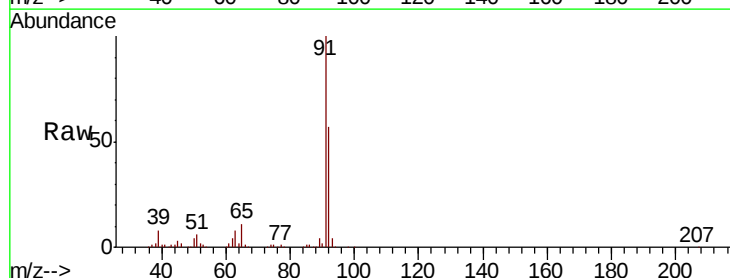
Manual Integrations
APPROVED

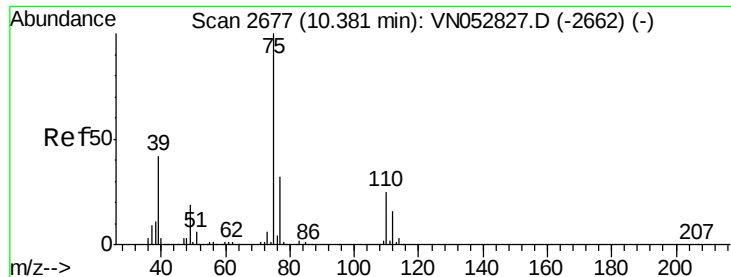
MMDadoda
12/14/2018 9:02:11 AM



#52
Toluene
Concen: 18.763 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.8	209.6





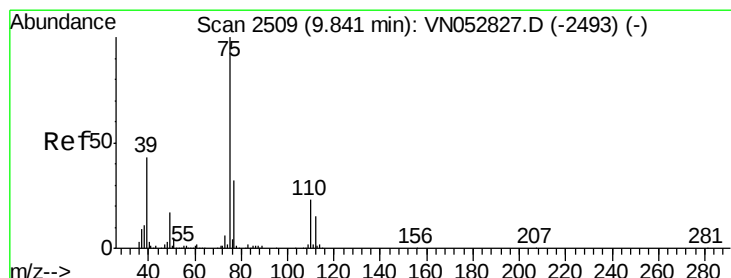
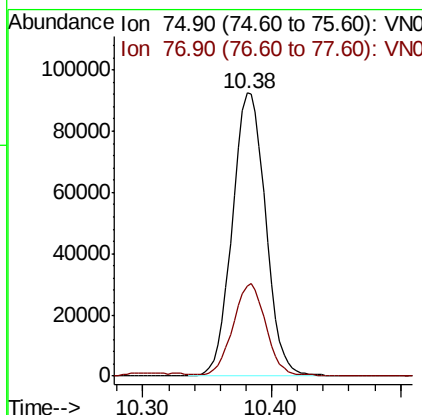
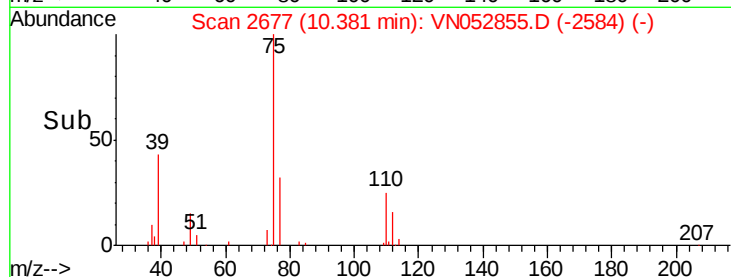
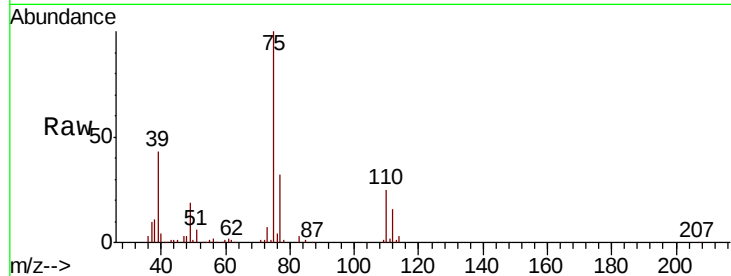
#53
t-1,3-Dichloropropene
Concen: 17.978 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

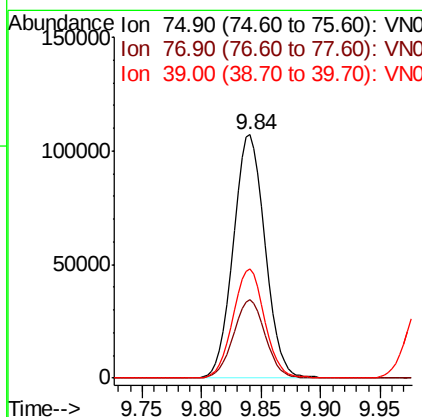
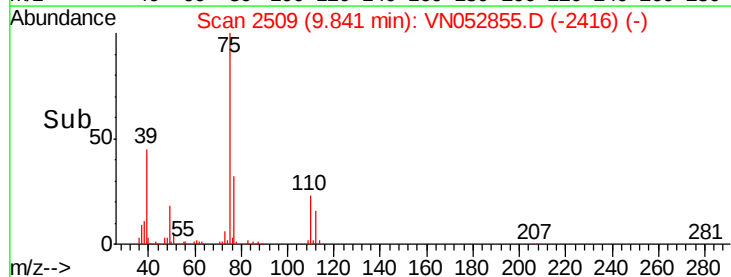
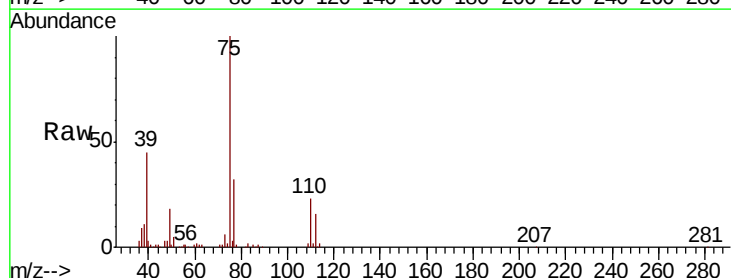
Manual Integrations
APPROVED

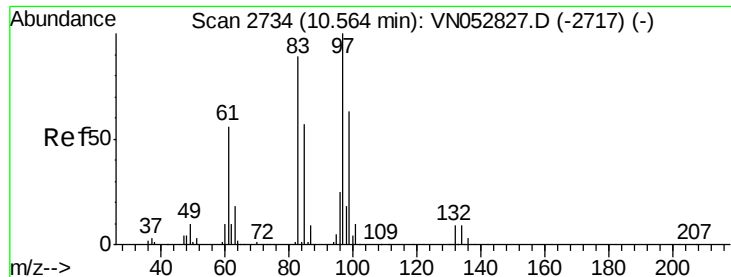
MMDadoda
12/14/2018 9:02:11 AM



#54
cis-1,3-Dichloropropene
Concen: 18.062 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8
39	44.9	34.8	52.2





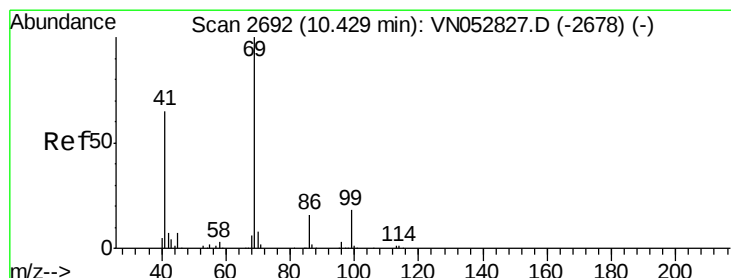
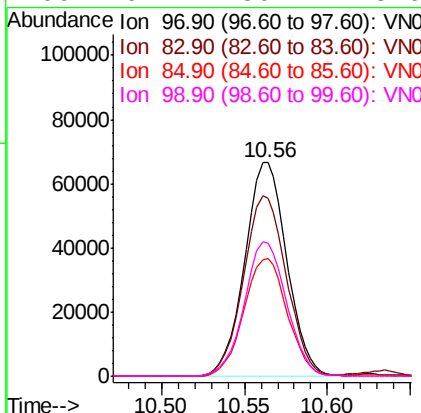
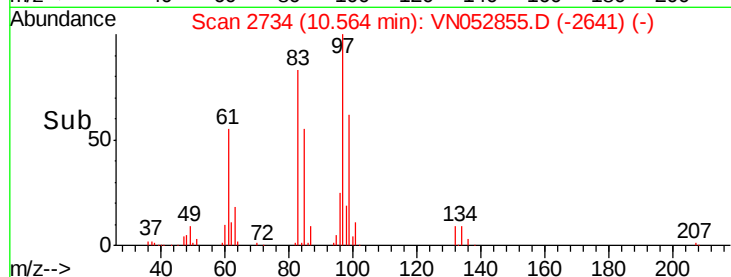
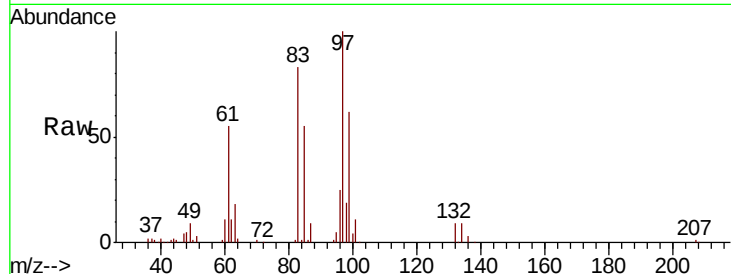
#55
 1,1,2-Trichloroethane
 Concen: 18.687 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.9	106.3
85	55.0	45.4	68.2
99	62.1	50.4	75.6

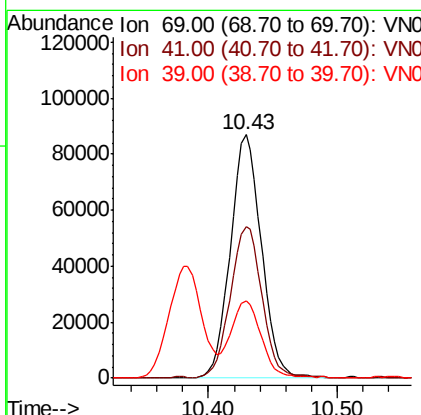
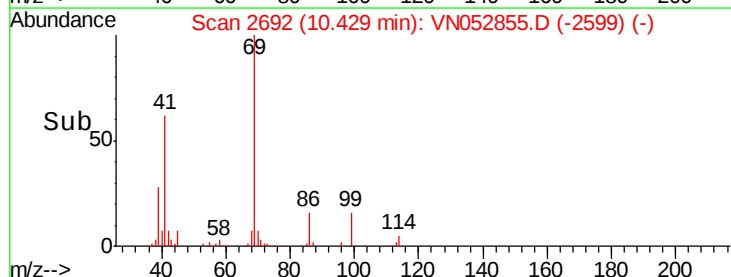
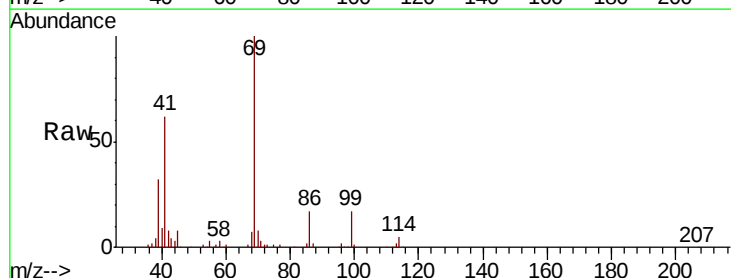
Manual Integrations
 APPROVED

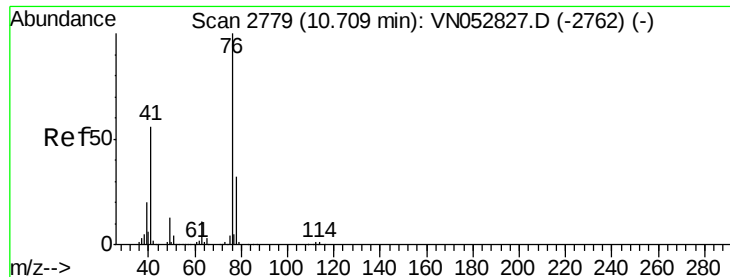
MMDadoda
 12/14/2018 9:02:11 AM



#56
 Ethyl methacrylate
 Concen: 17.991 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	31.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 18.708 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 76 Resp: 201901

Ion Ratio Lower Upper

76 100

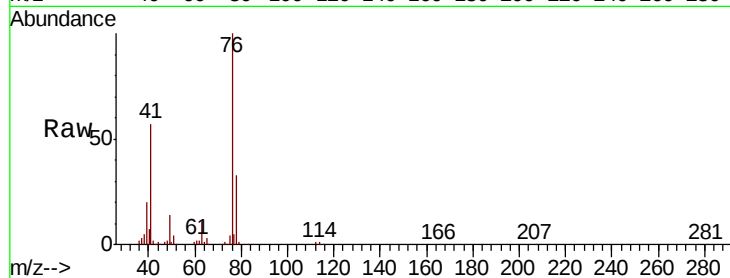
78 32.5 25.8 38.8

Manual Integrations

APPROVED

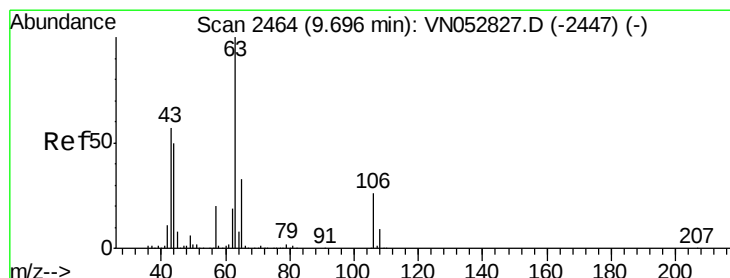
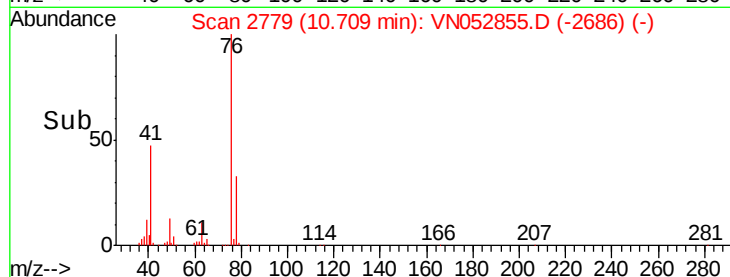
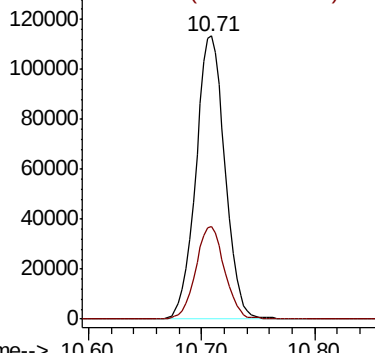
MMDadoda

12/14/2018 9:02:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 63.777 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052855.D

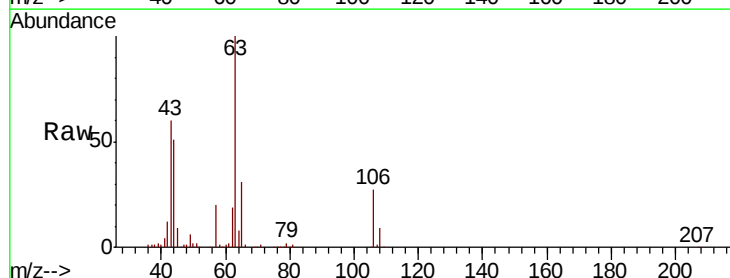
Acq: 13 Dec 2018 11:07

Tgt Ion: 63 Resp: 287408

Ion Ratio Lower Upper

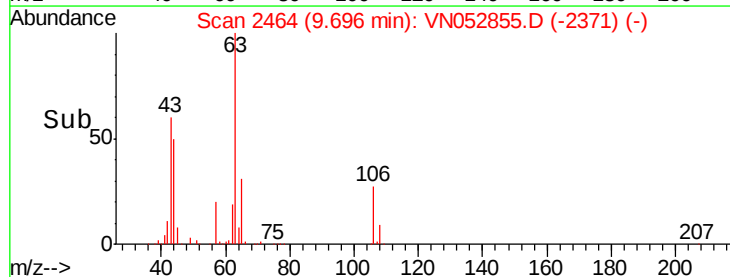
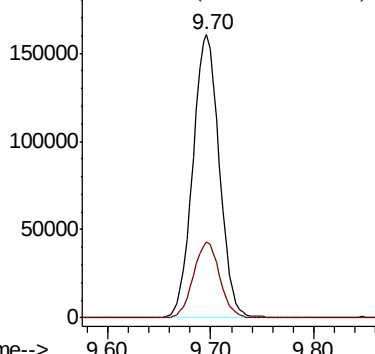
63 100

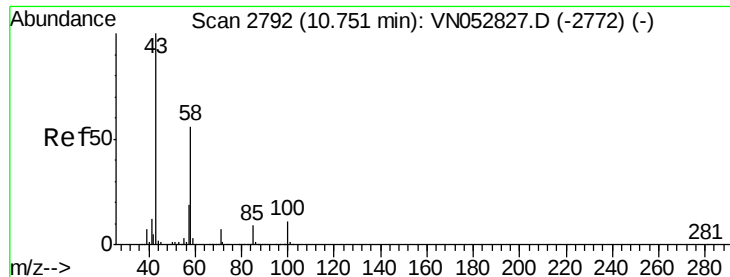
106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





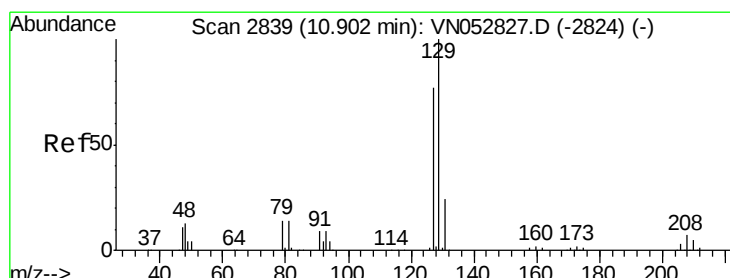
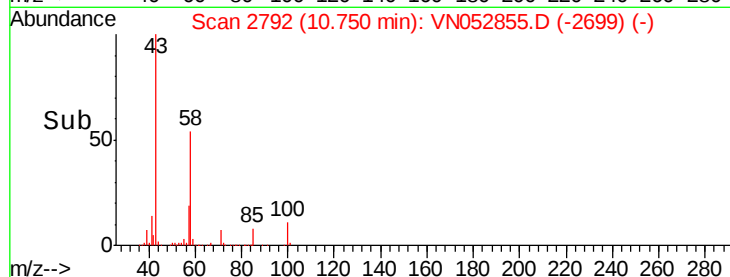
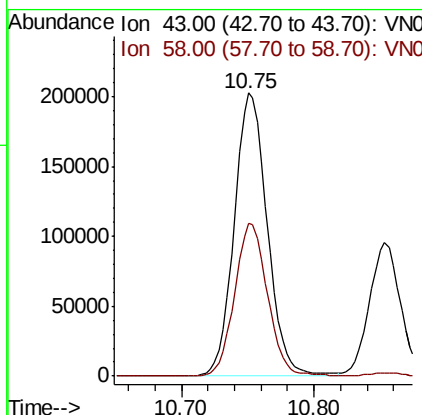
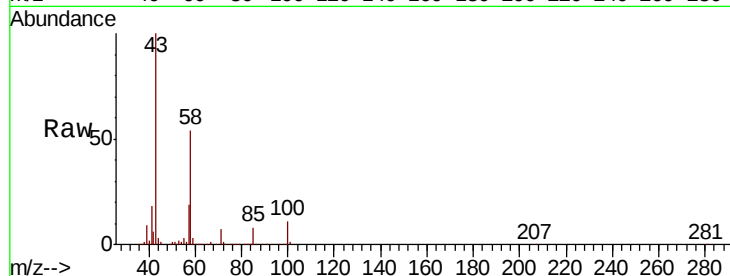
#59
2-Hexanone
Concen: 92.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 43 Resp: 347771
Ion Ratio Lower Upper
43 100
58 54.1 28.1 84.3

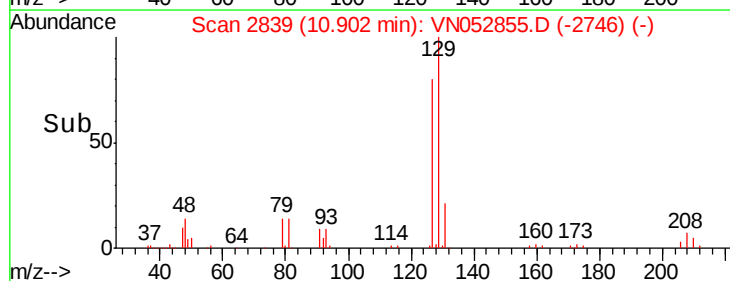
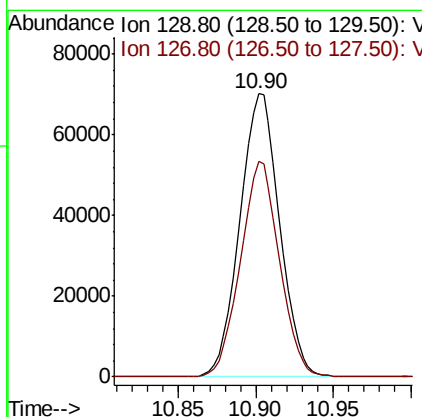
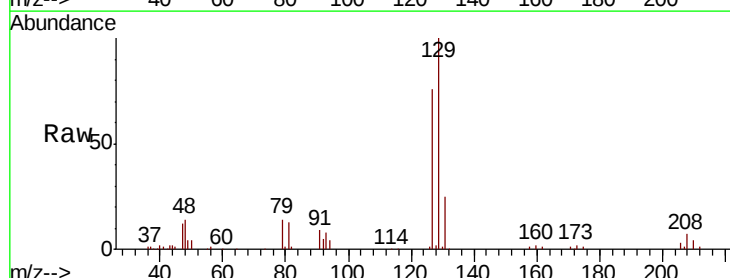
Manual Integrations
APPROVED

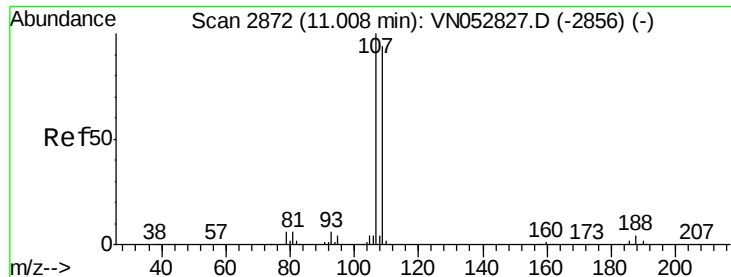
MMDadoda
12/14/2018 9:02:11 AM



#60
Dibromochloromethane
Concen: 18.491 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 129 Resp: 125768
Ion Ratio Lower Upper
129 100
127 74.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.434 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 107 Resp: 114671

Ion Ratio Lower Upper

107 100

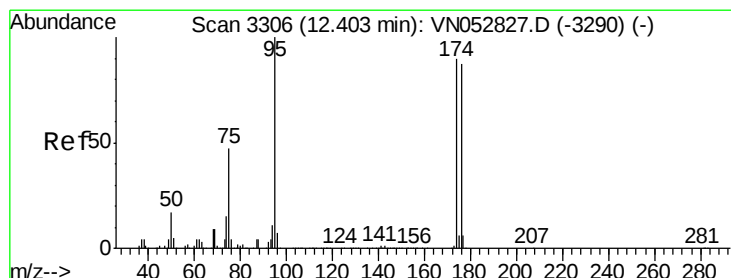
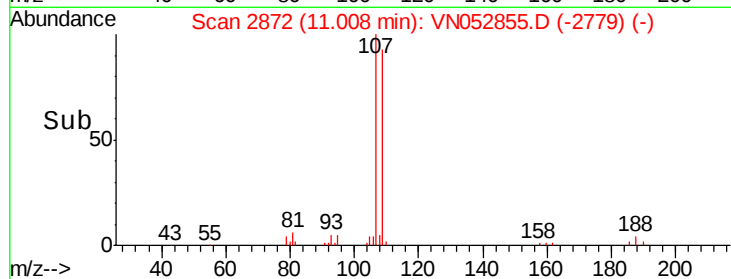
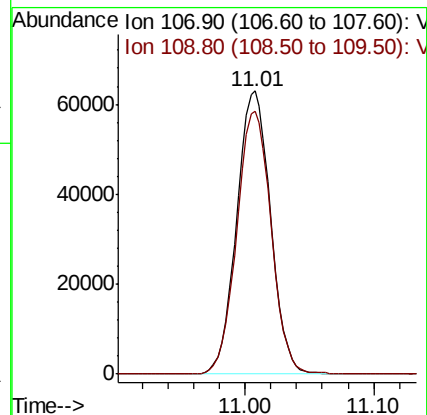
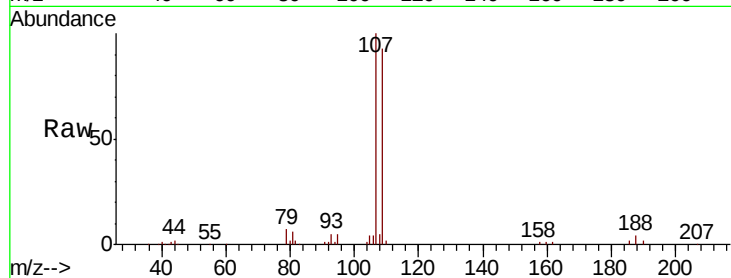
109 94.2 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



#62

4-Bromofluorobenzene

Concen: 18.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

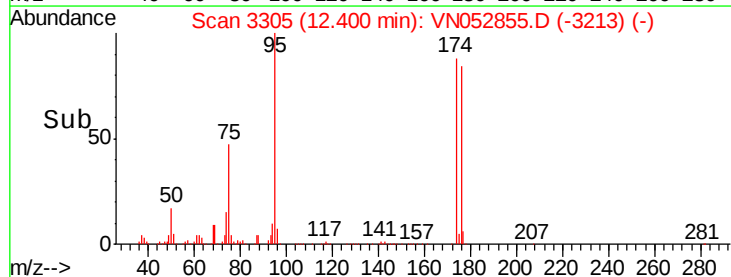
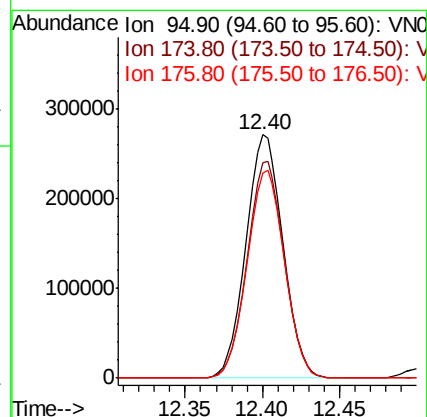
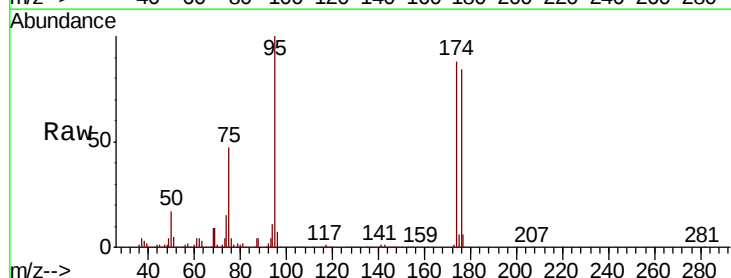
Tgt Ion: 95 Resp: 451639

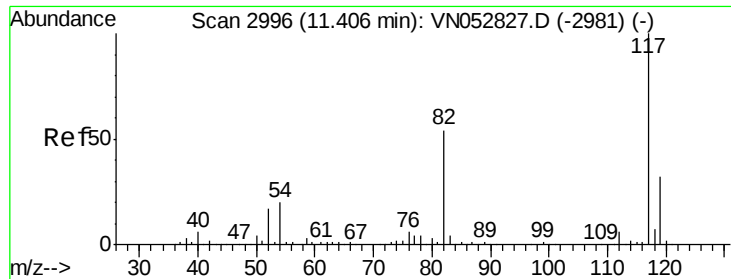
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

176 86.4 0.0 173.8





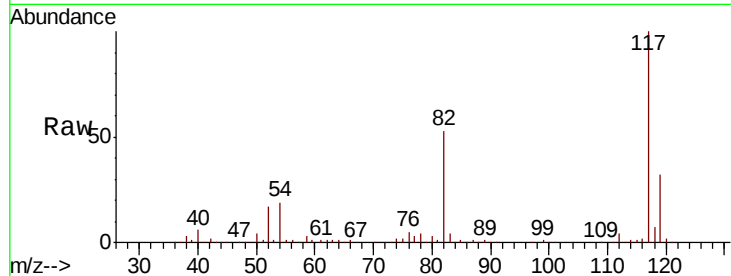
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	32.0	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM

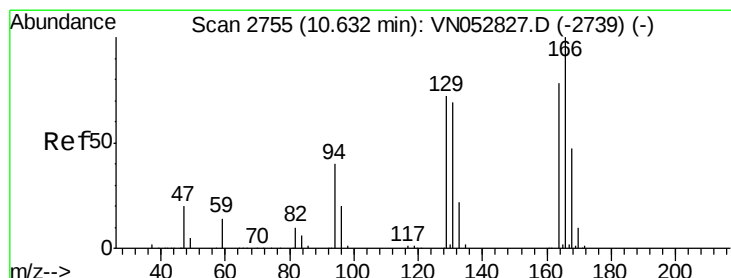
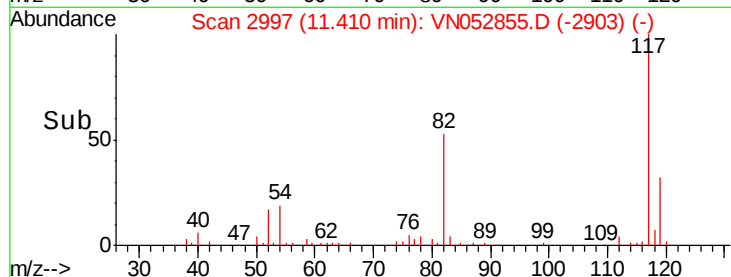
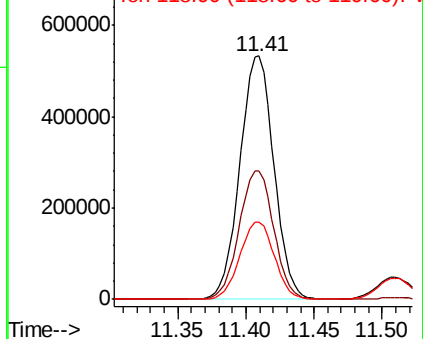


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.550 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.9	154.3
129	91.6	73.7	110.5
131	87.3	70.7	106.1

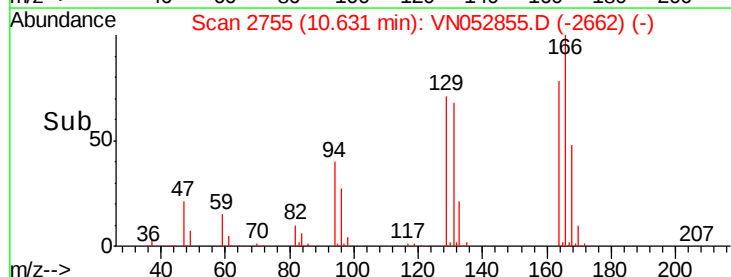
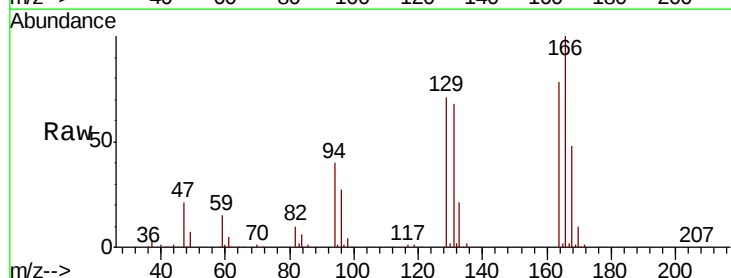
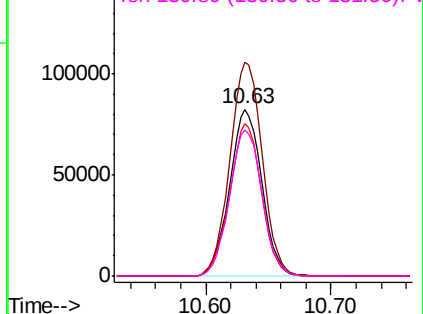
Abundance

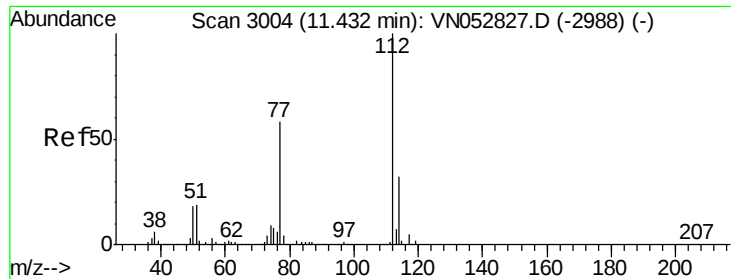
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





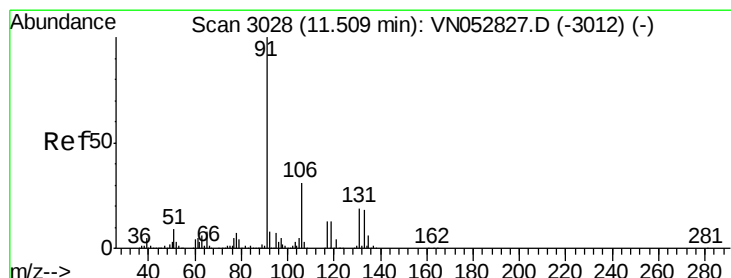
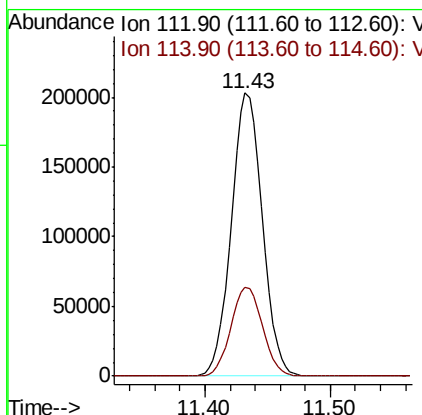
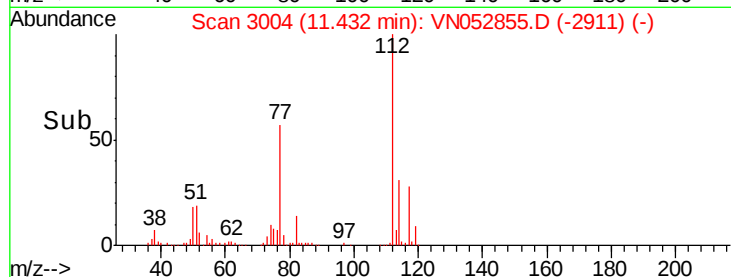
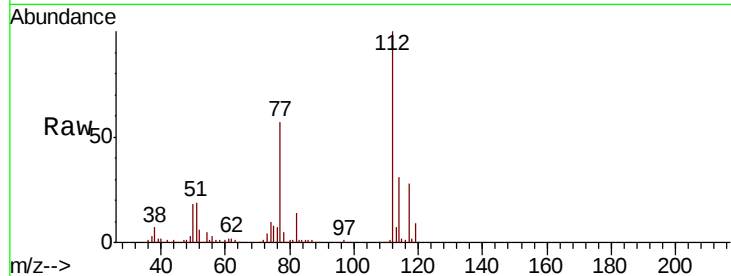
#65
Chlorobenzene
Concen: 18.199 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion:112 Resp: 348766
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

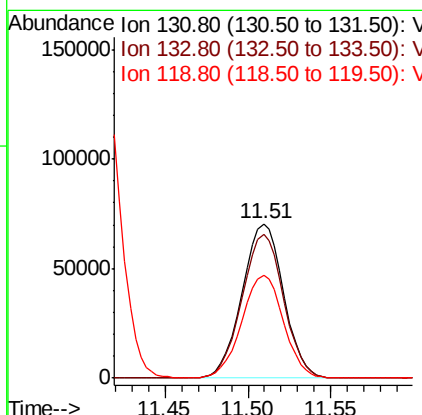
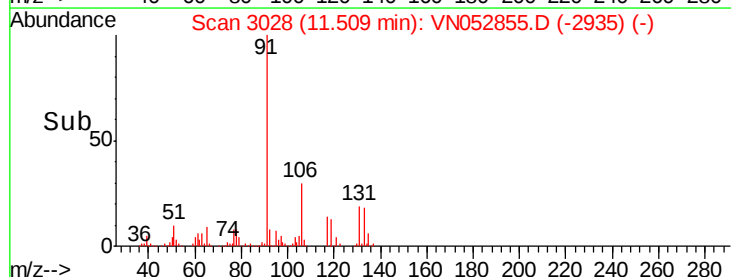
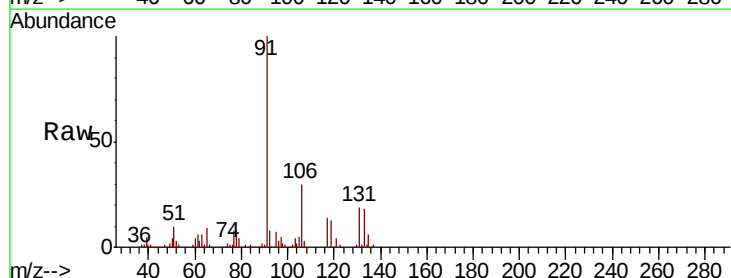
Manual Integrations
APPROVED

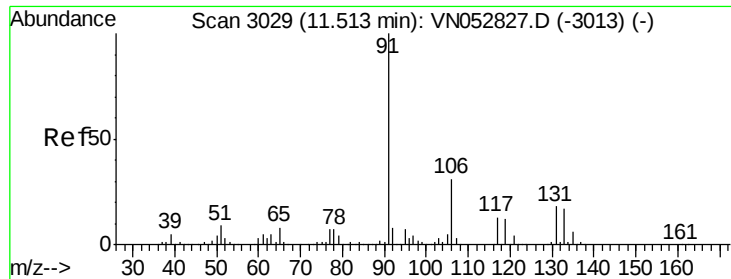
MMDadoda
12/14/2018 9:02:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.354 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion:131 Resp: 122324
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.9
119 67.2 33.3 99.8





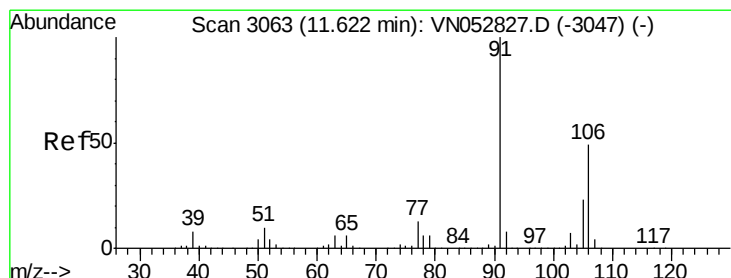
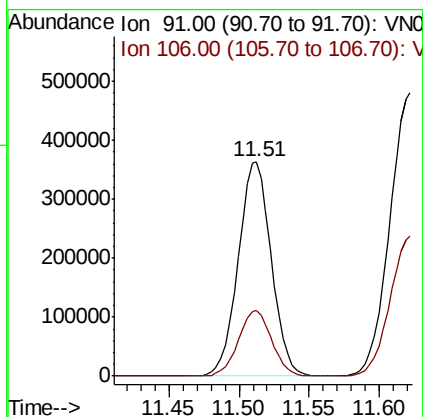
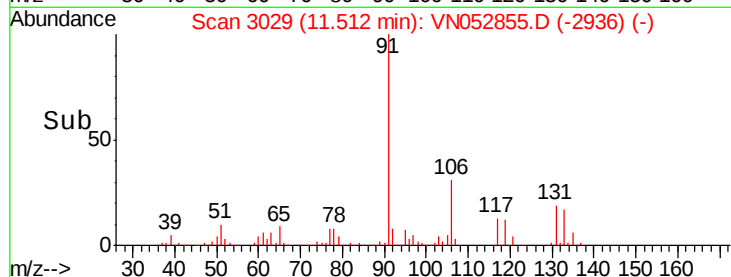
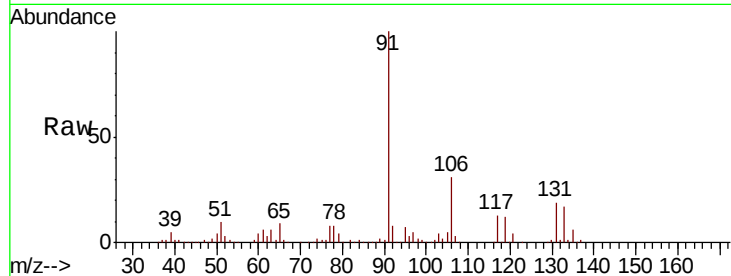
#67
Ethyl Benzene
Concen: 18.113 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 91 Resp: 596107
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

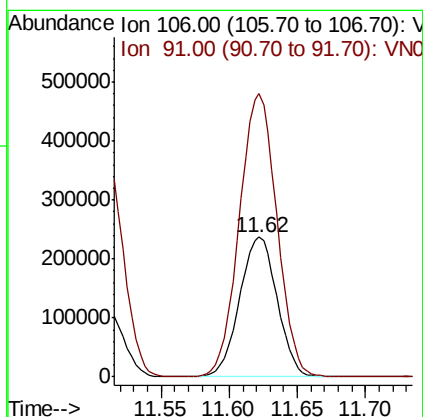
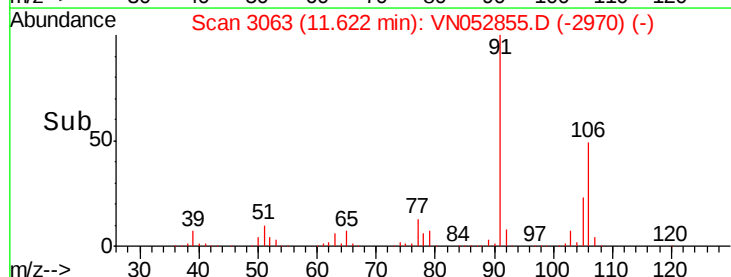
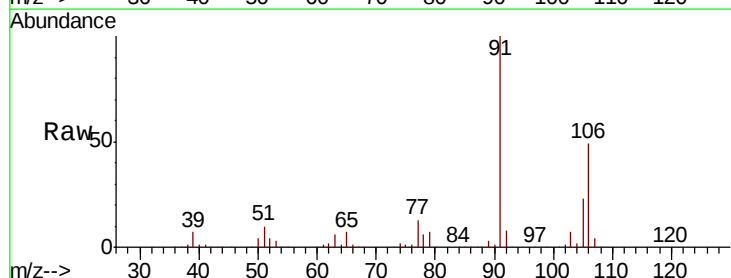
Manual Integrations
APPROVED

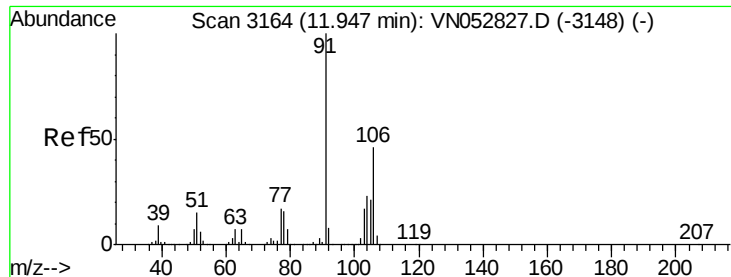
MMDadoda
12/14/2018 9:02:11 AM



#68
m/p-Xylenes
Concen: 36.541 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 106 Resp: 451550
Ion Ratio Lower Upper
106 100
91 203.1 162.2 243.4





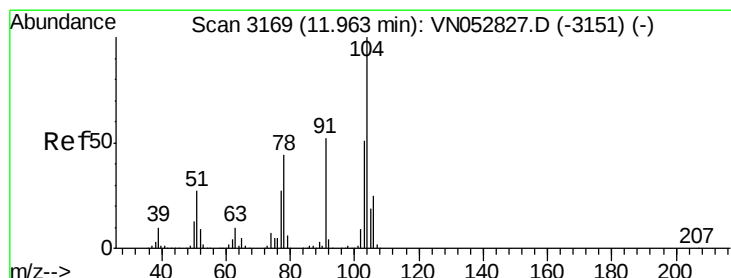
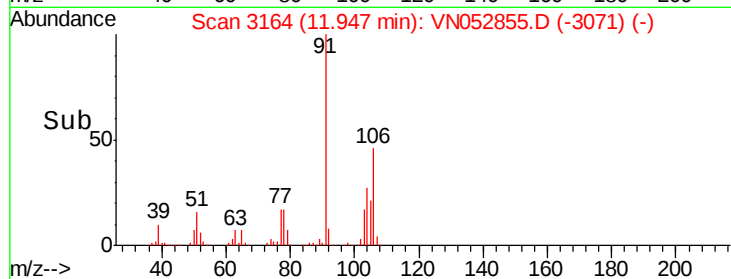
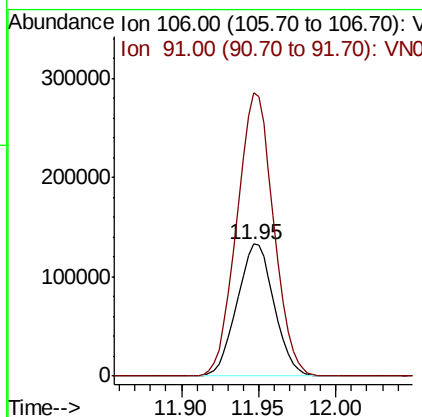
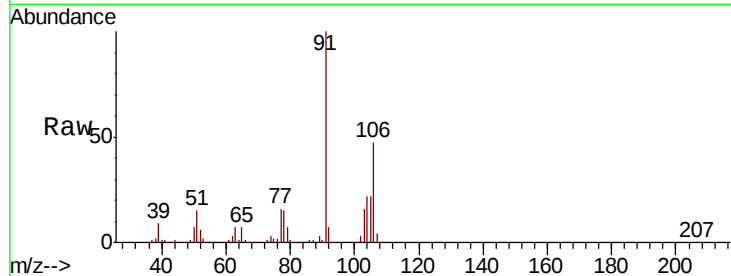
#69
o-Xylene
Concen: 18.393 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		221948		
91	212.5	106.6	319.8		

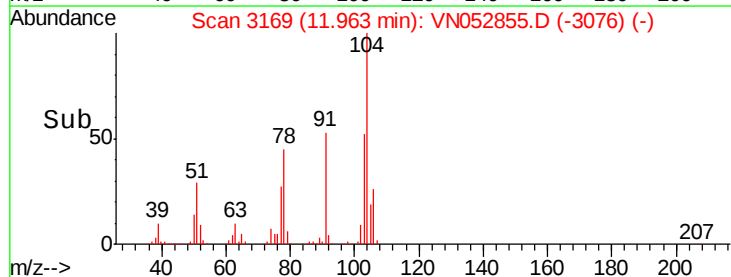
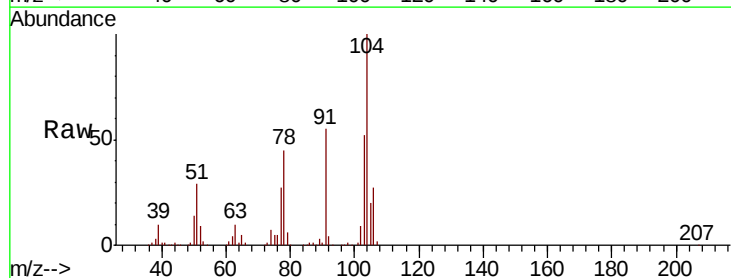
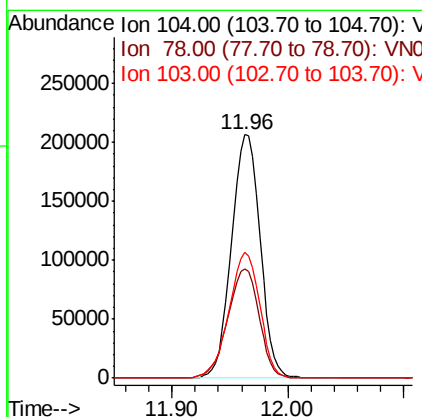
Manual Integrations
APPROVED

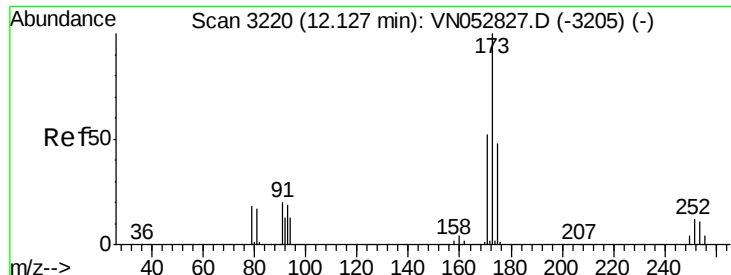
MMDadoda
12/14/2018 9:02:11 AM



#70
Styrene
Concen: 18.194 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		352922		
78	49.1	38.9	58.3		
103	55.5	44.3	66.5		





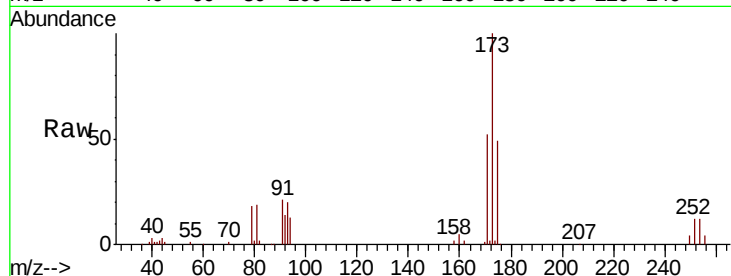
#71
Bromoform
Concen: 17.926 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM

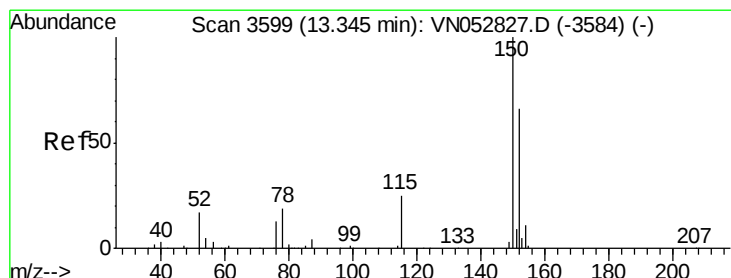
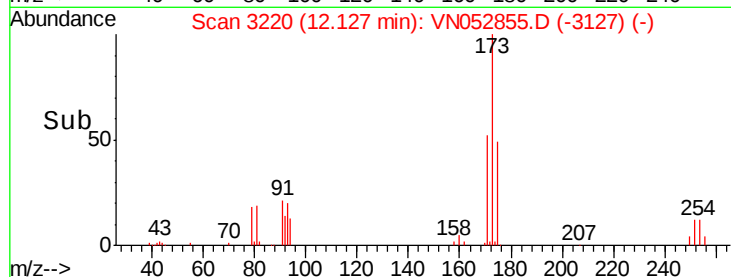
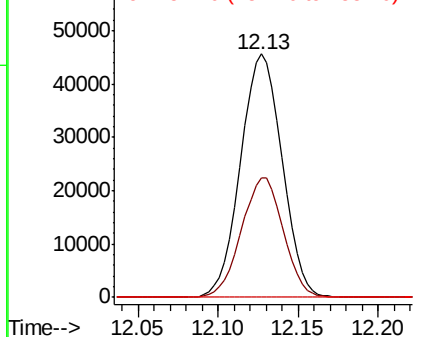


Abundance

Ion 172.70 (172.40 to 173.40): V

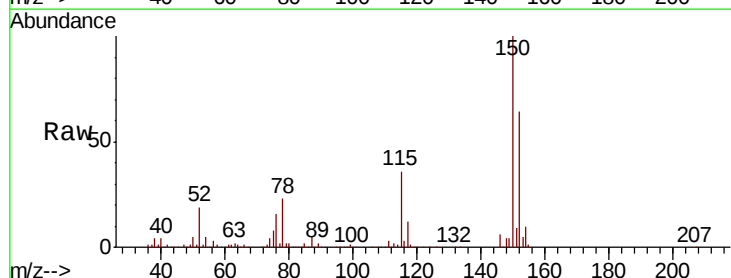
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	161.4	0.0	347.8

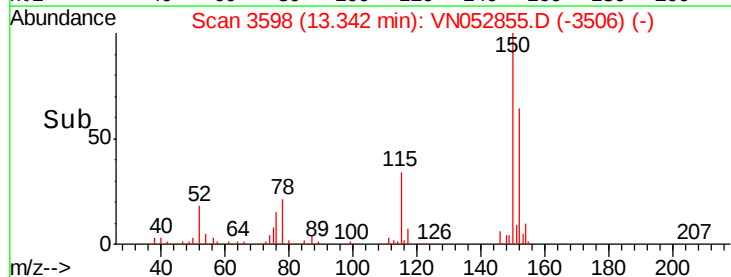
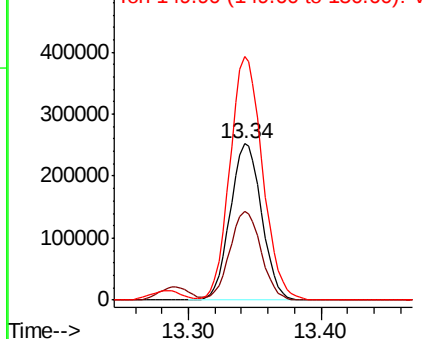


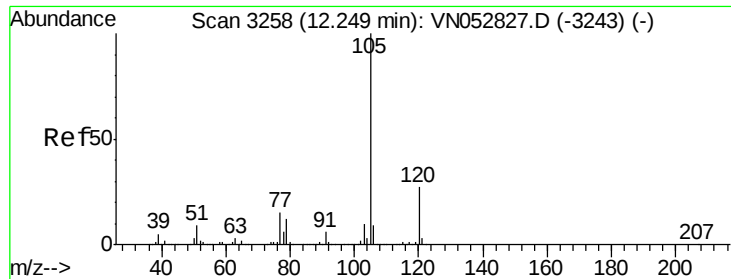
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.644 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 105 Resp: 576965

Ion Ratio Lower Upper

105 100

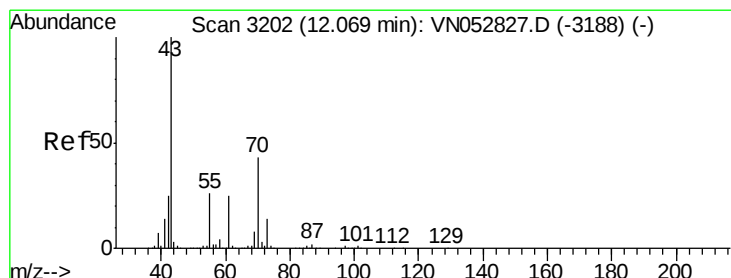
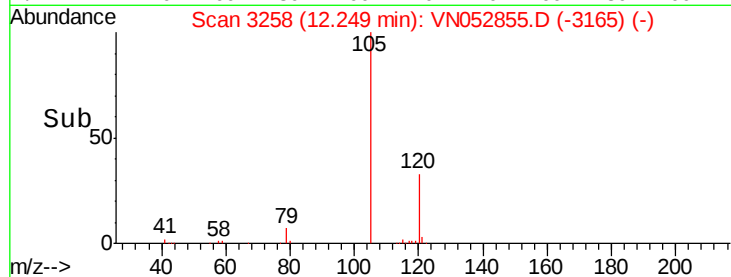
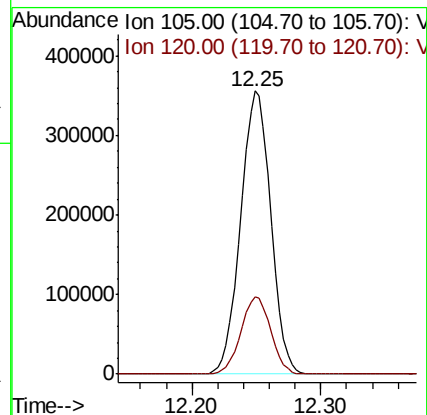
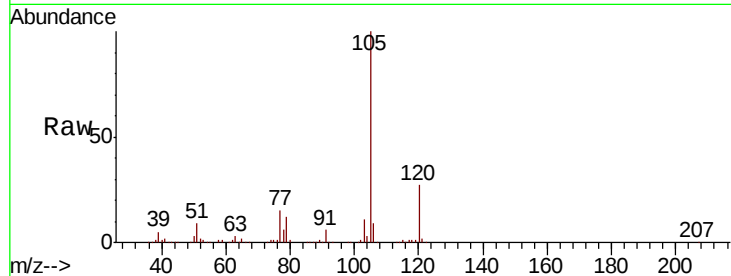
120 27.1 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



#74

N-ethyl acetate

Concen: 17.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion: 43 Resp: 149365

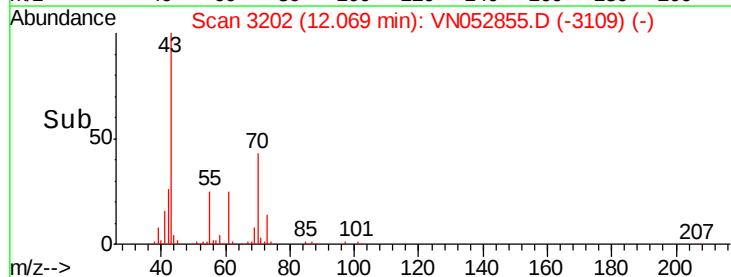
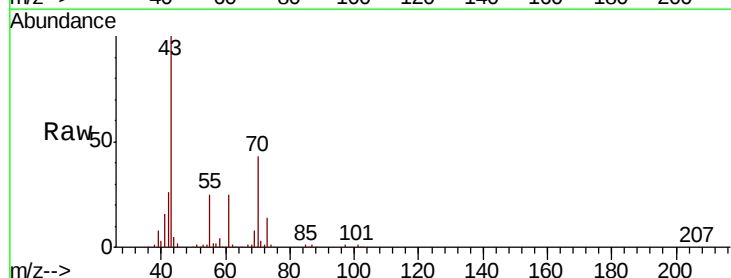
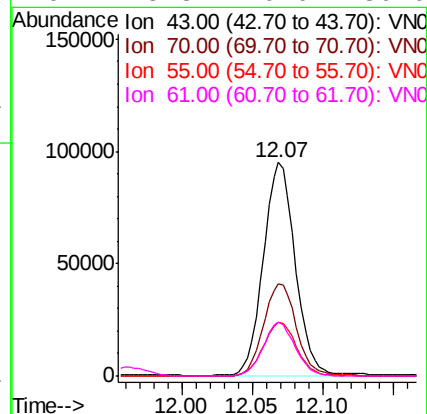
Ion Ratio Lower Upper

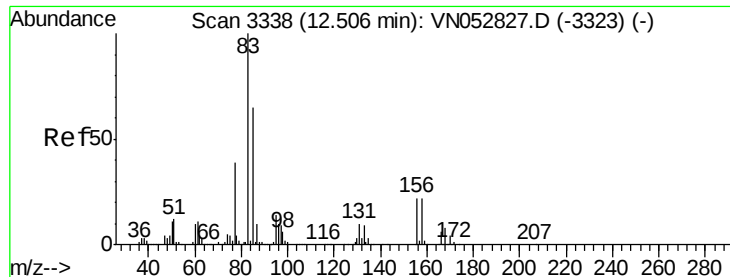
43 100

70 44.5 34.2 51.4

55 26.8 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.944 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

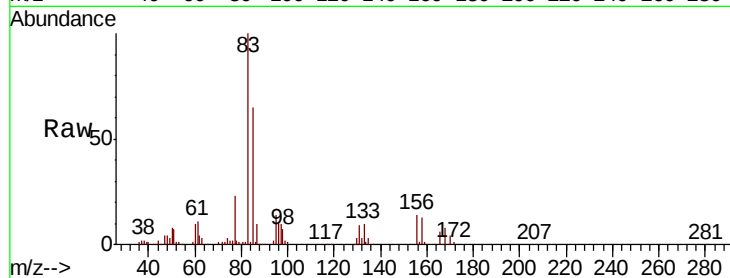
ClientSampleId :

VN1213MBS01

Tot Ion:	83	Resp:	131392
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.7	32.4	97.0

Manual Integrations
APPROVED

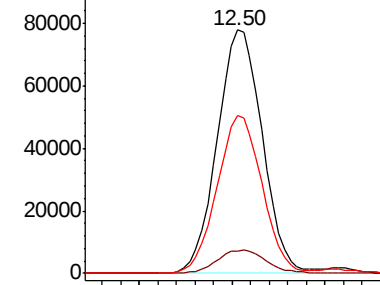
MMDadoda
12/14/2018 9:02:11 AM



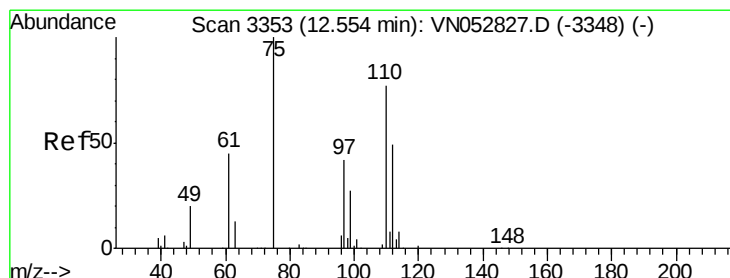
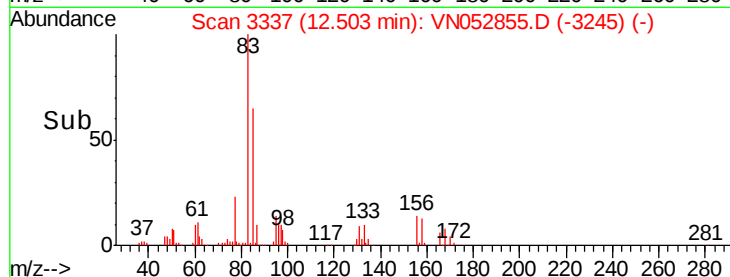
Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.246 ug/l m

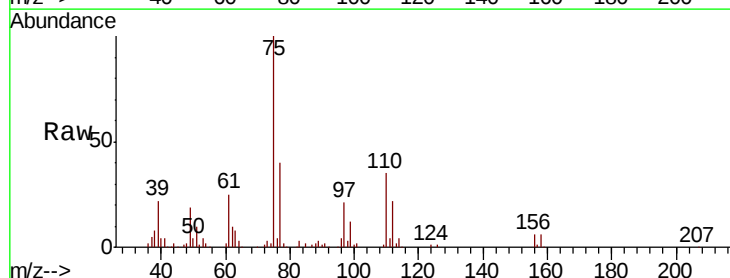
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052855.D

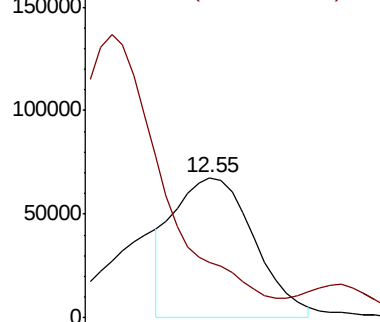
Acq: 13 Dec 2018 11:07

Tgt Ion:	75	Resp:	111577
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

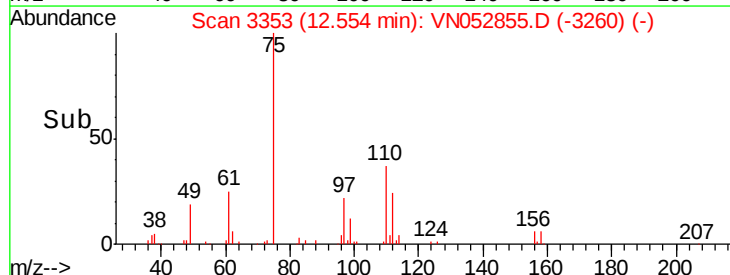


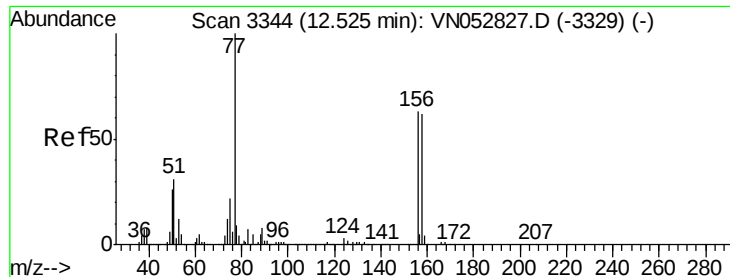
Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 18.903 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

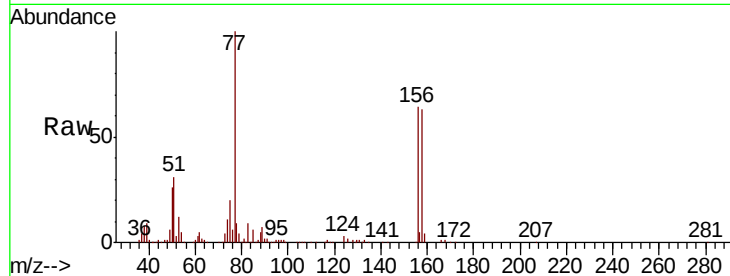
ClientSampleId :

VN1213MBS01

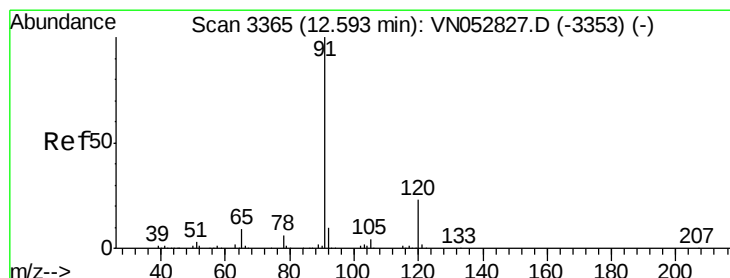
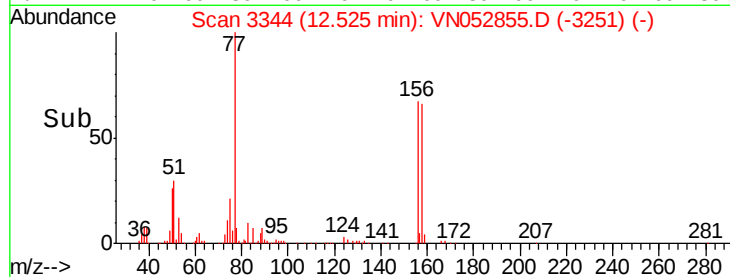
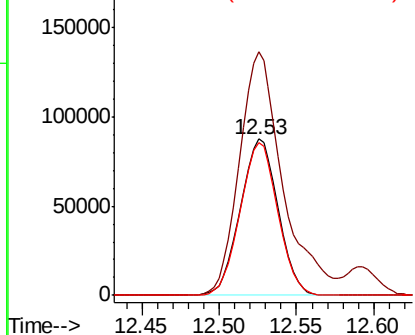
Tot Ion:	156	Resp:	148787
Ion Ratio	Lower	Upper	
156	100		
77	178.9	91.3	273.8
158	97.3	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.324 ug/l

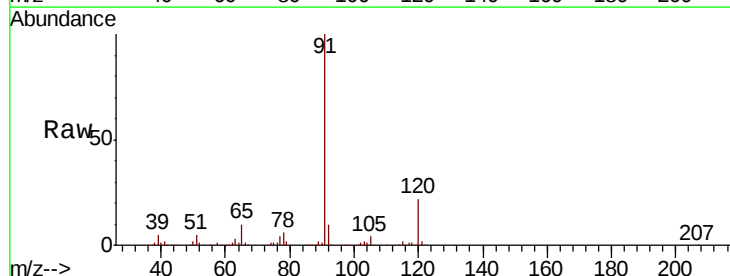
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

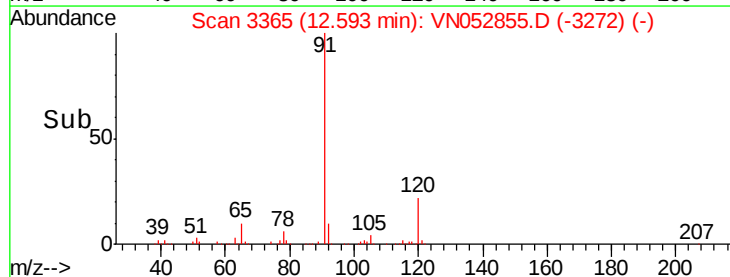
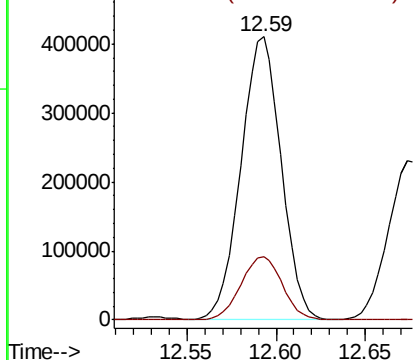
Lab File: VN052855.D

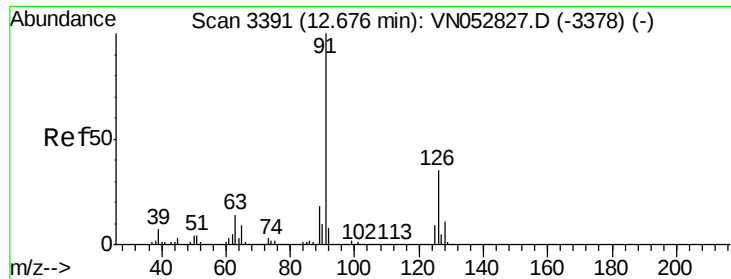
Acq: 13 Dec 2018 11:07

Tgt Ion:	91	Resp:	646745
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.469 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

Tot Ion: 91 Resp: 385363

Ion Ratio Lower Upper

91 100

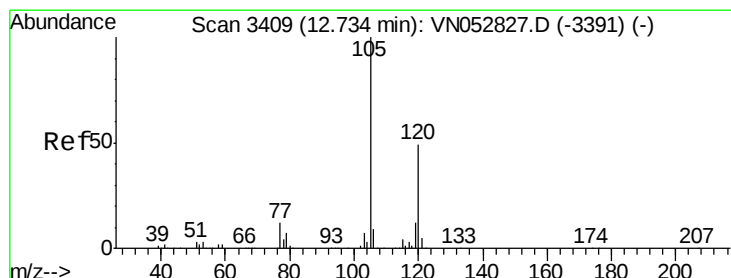
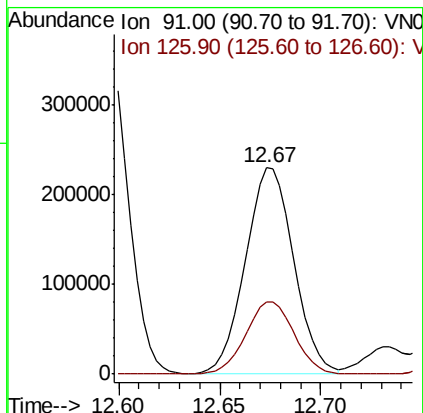
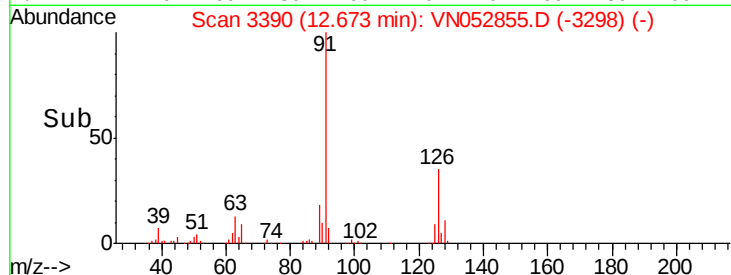
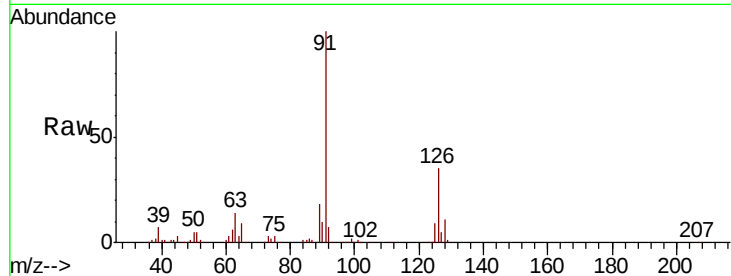
126 35.3 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

12/14/2018 9:02:11 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.705 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052855.D

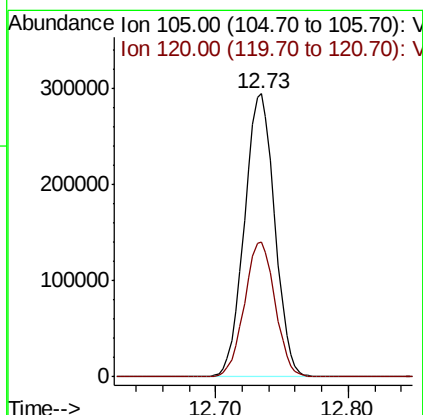
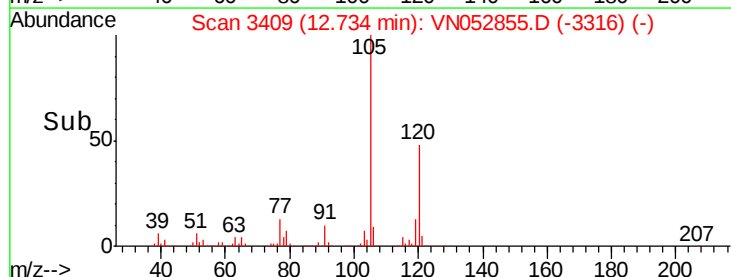
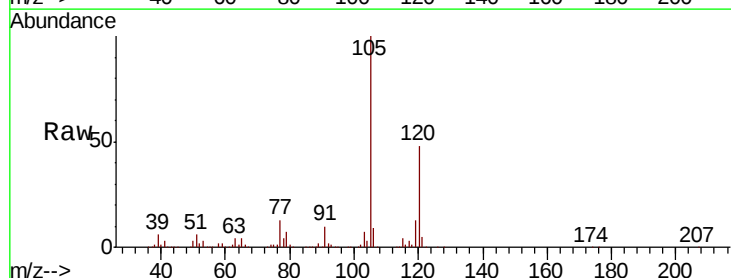
Acq: 13 Dec 2018 11:07

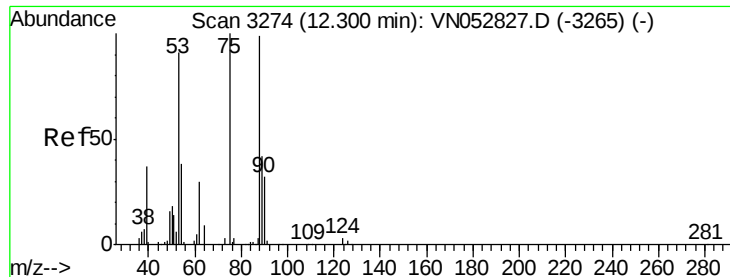
Tgt Ion: 105 Resp: 467285

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





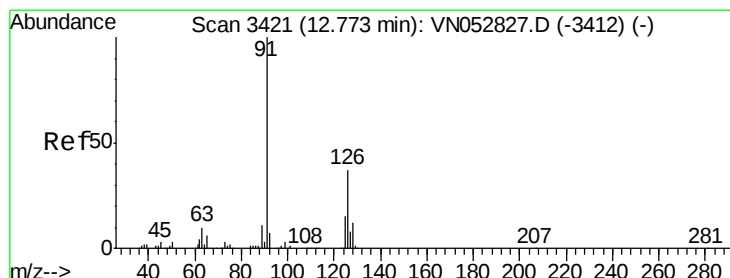
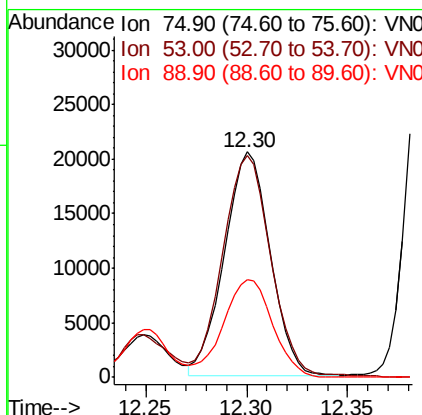
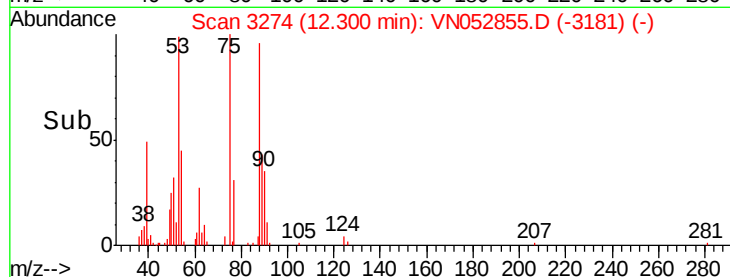
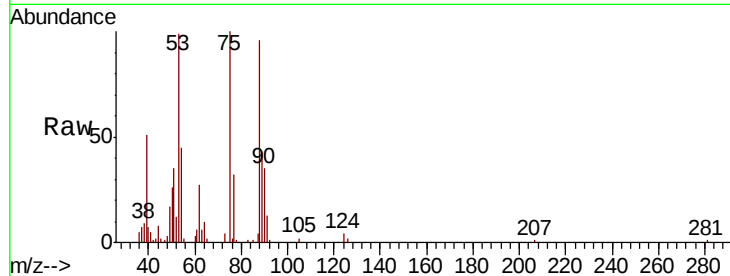
#81
trans-1,4-Dichloro-2-butene
Concen: 17.062 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.2	74.7	112.1
89	47.4	36.1	54.1

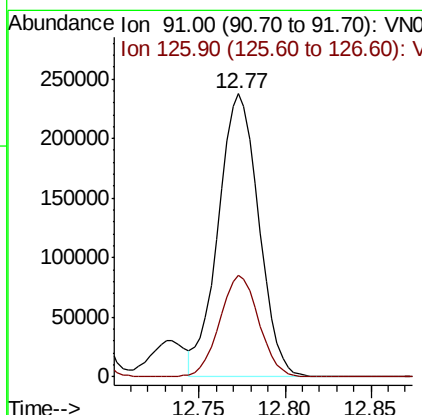
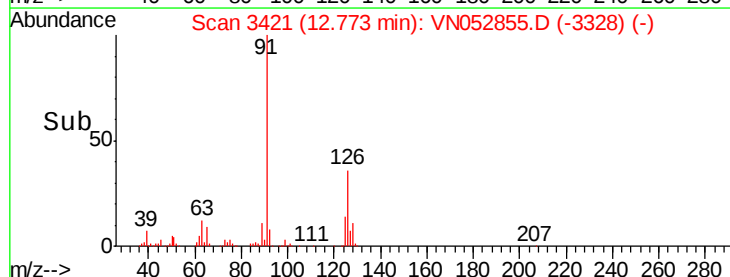
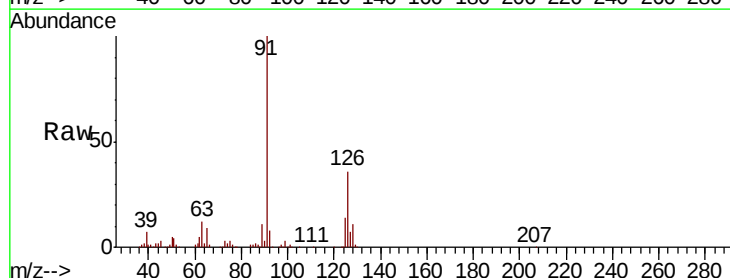
Manual Integrations
APPROVED

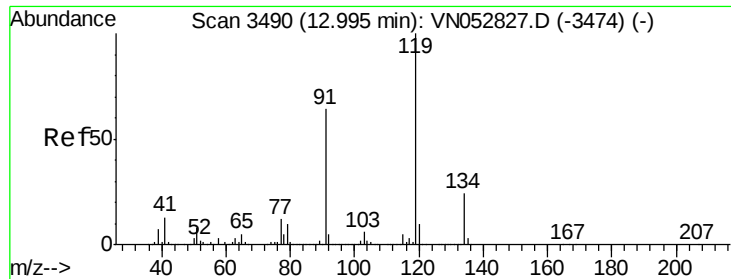
MMDadoda
12/14/2018 9:02:11 AM



#82
4-Chlorotoluene
Concen: 18.201 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





#83

tert-Butylbenzene

Concen: 18.511 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

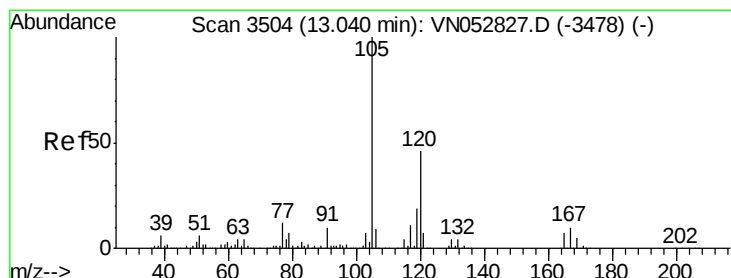
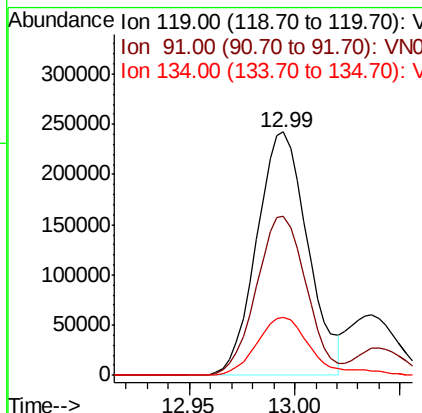
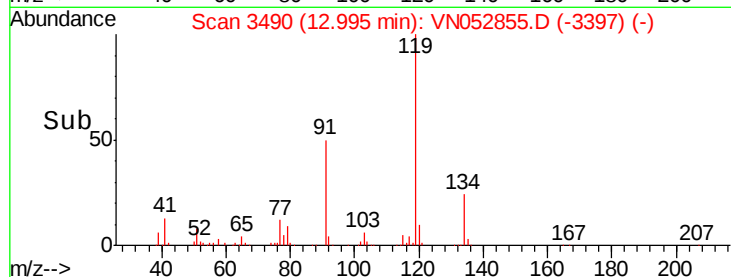
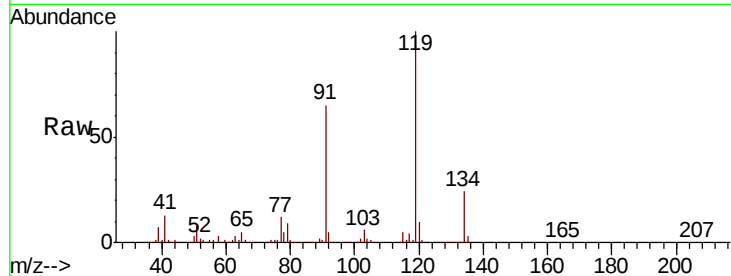
ClientSampleId :

VN1213MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.9	95.5
134	25.5	12.8	38.4

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.574 ug/l

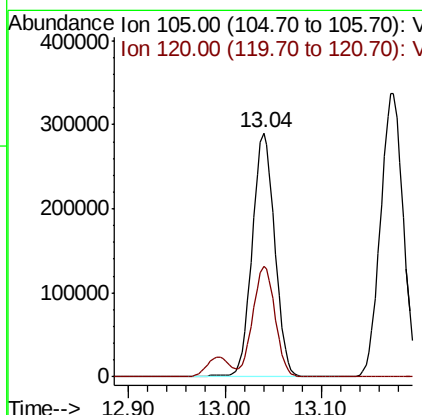
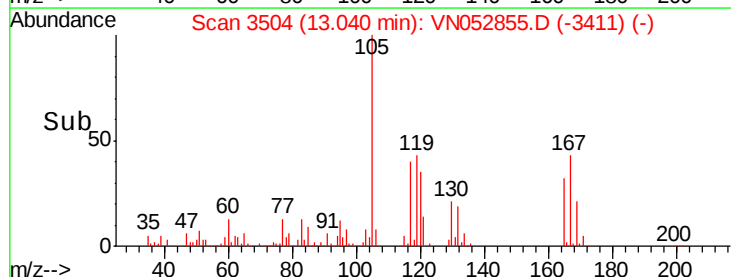
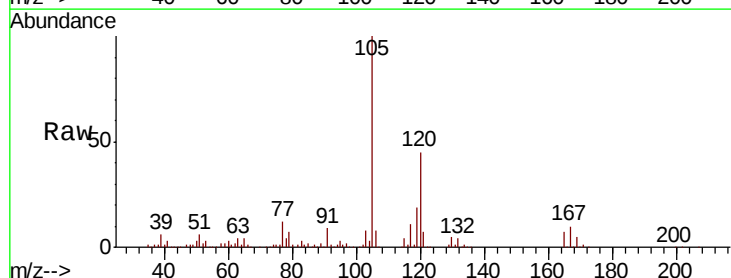
RT: 13.04 min Scan# 3504

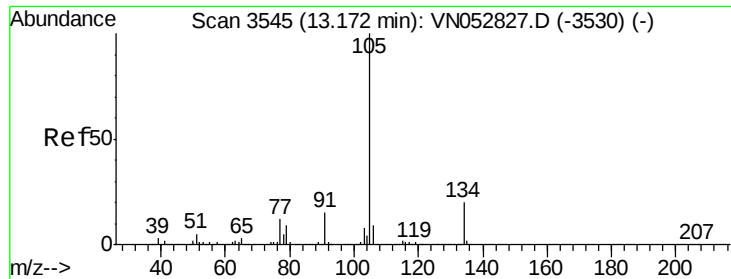
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.8





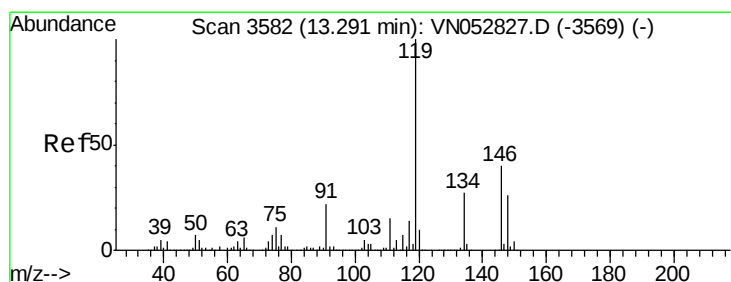
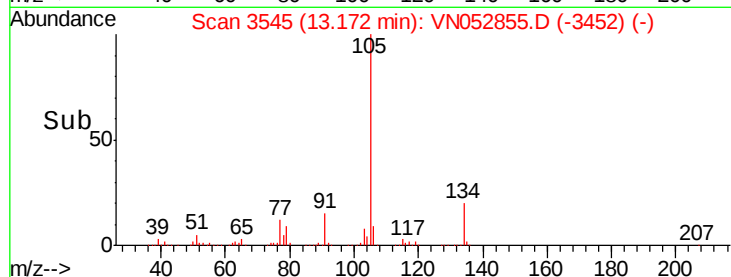
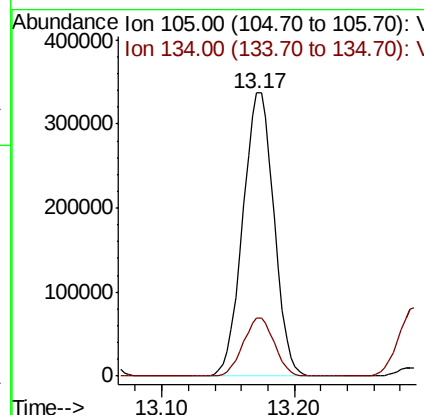
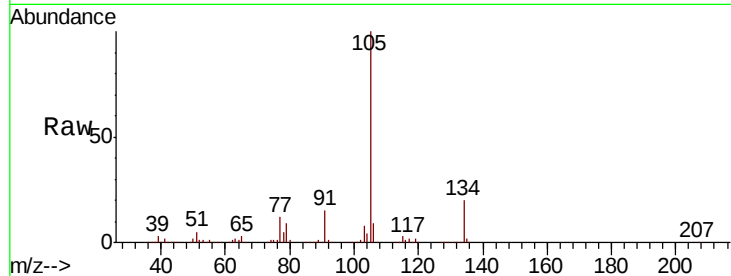
#85
 sec-Butylbenzene
 Concen: 18.417 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

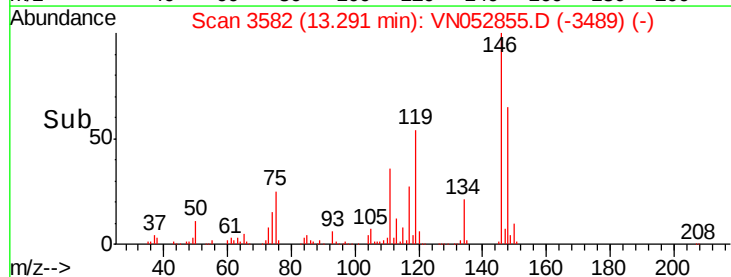
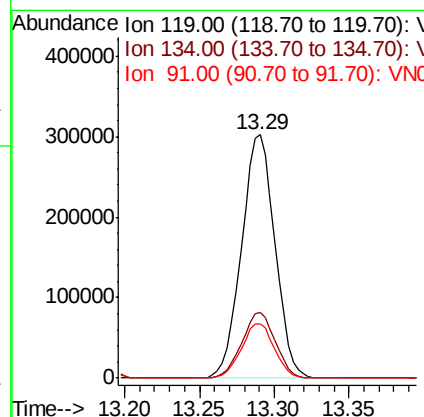
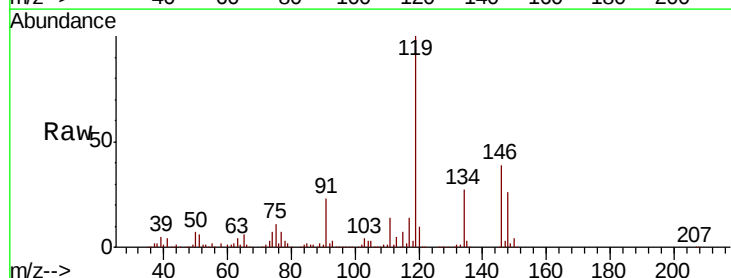
Manual Integrations
 APPROVED

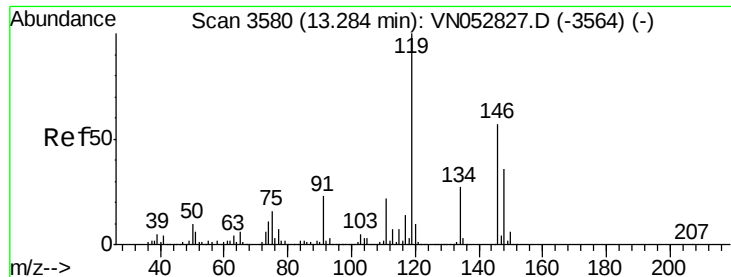
MMDadoda
 12/14/2018 9:02:11 AM



#86
 p-Isopropyltoluene
 Concen: 18.154 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	22.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 18.023 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

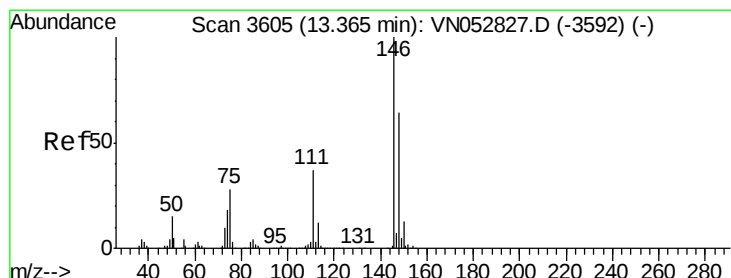
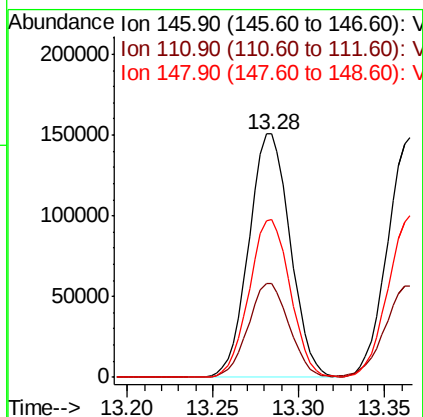
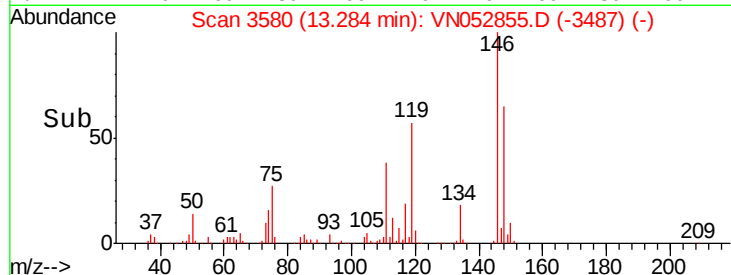
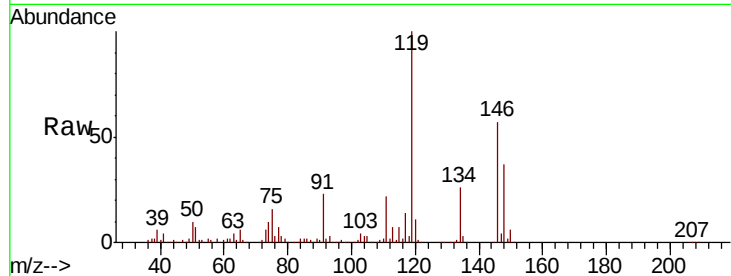
ClientSampleId :

VN1213MBS01

Tot Ion:	146	Resp:	252106
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.1	57.1
148	64.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



#88

1,4-Dichlorobenzene

Concen: 17.933 ug/l

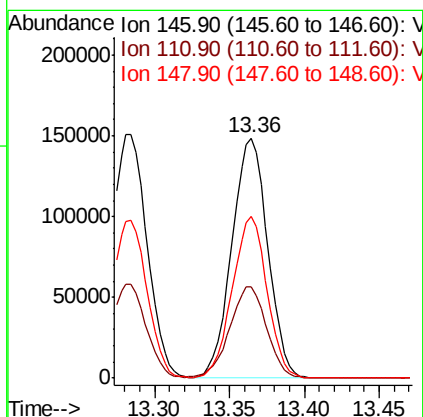
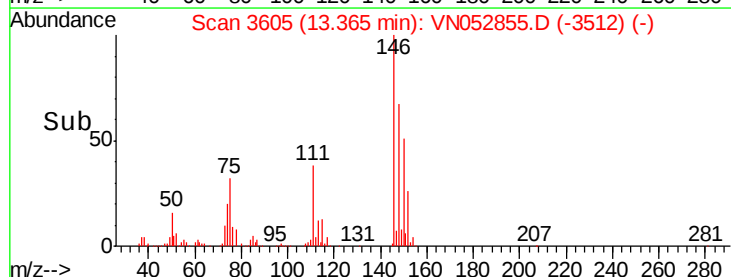
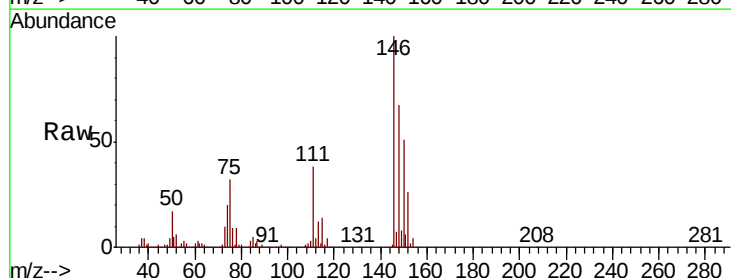
RT: 13.36 min Scan# 3605

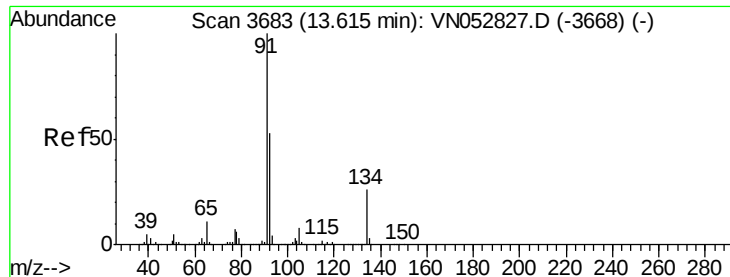
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	146	Resp:	248405
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.6	55.8
148	65.2	32.1	96.5





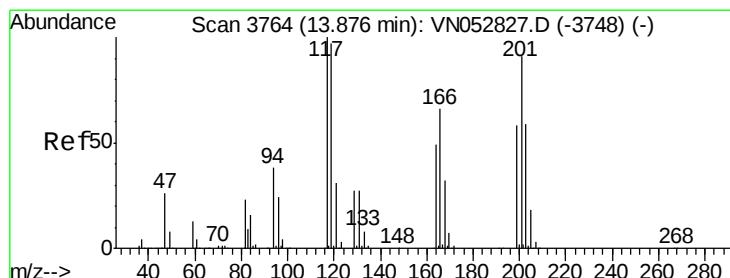
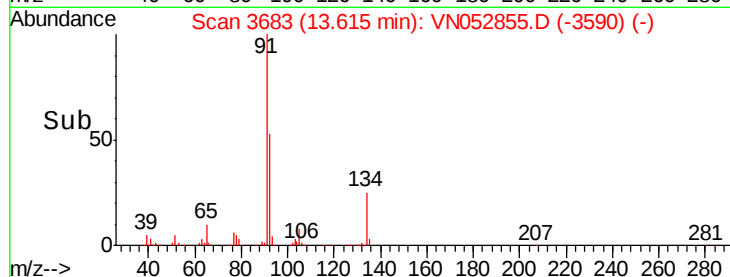
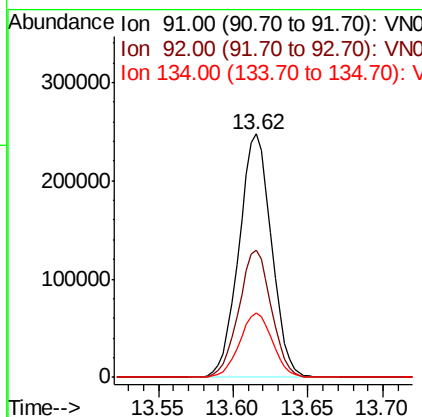
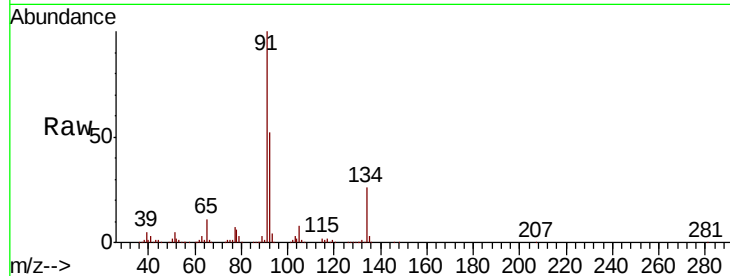
#89
n-Butylbenzene
Concen: 17.215 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.6	13.3	39.8

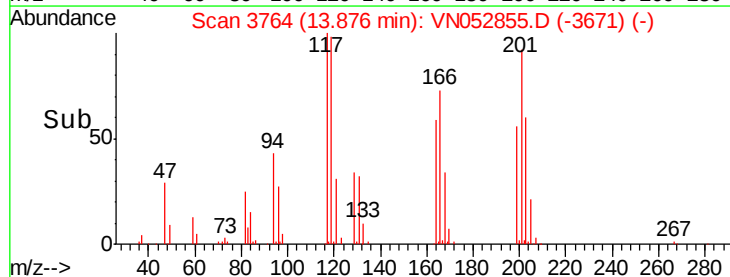
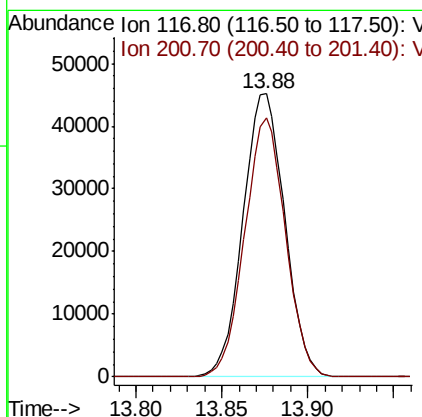
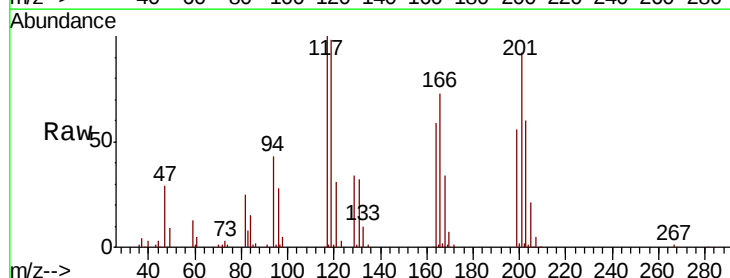
Manual Integrations
APPROVED

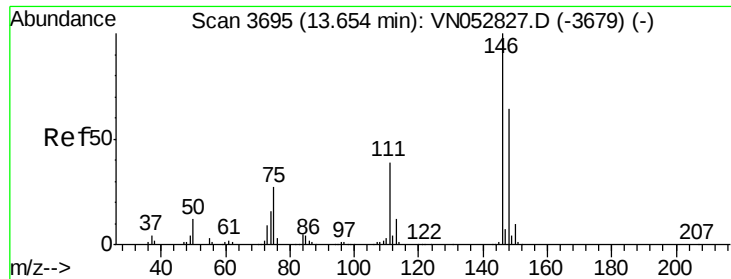
MMDadoda
12/14/2018 9:02:11 AM



#90
Hexachloroethane
Concen: 17.606 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	45.7	137.1





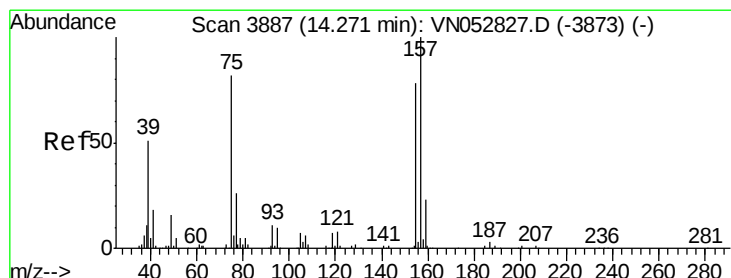
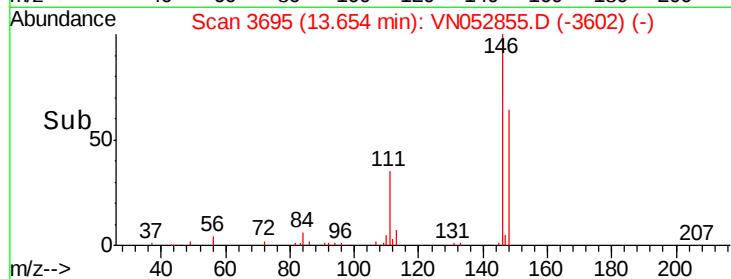
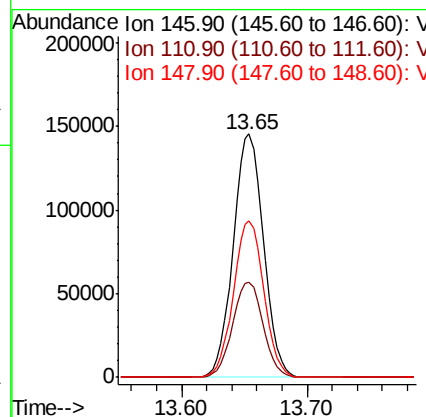
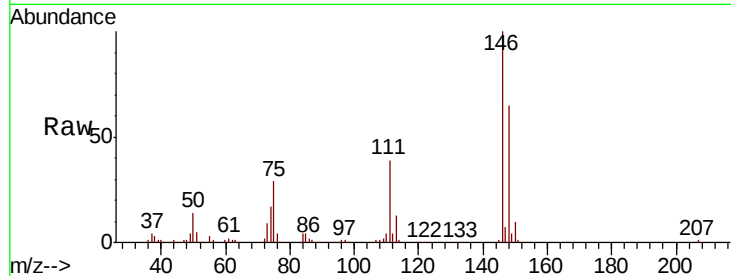
#91
 1,2-Dichlorobenzene
 Concen: 18.127 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0

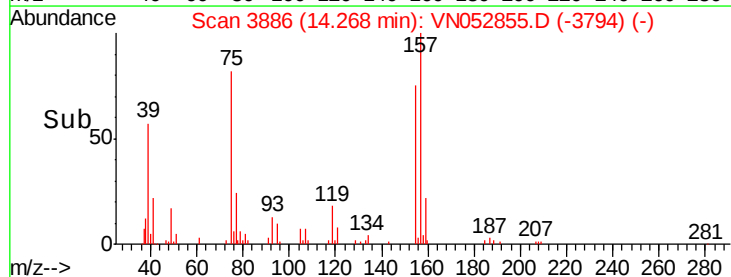
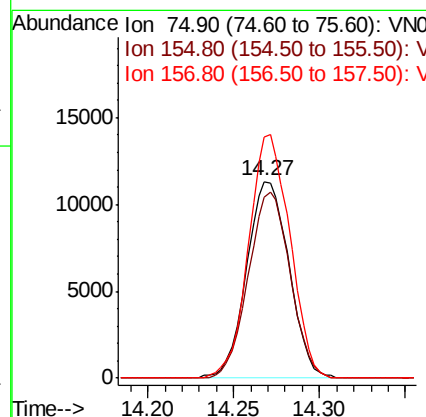
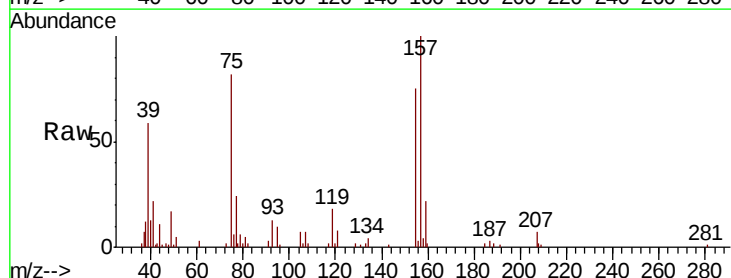
Manual Integrations
 APPROVED

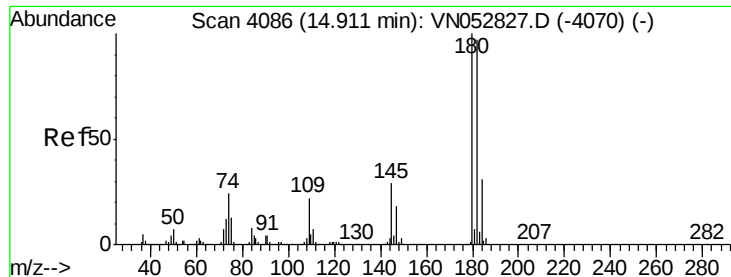
MMDadoda
 12/14/2018 9:02:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.557 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.2	144.6
157	120.1	61.2	183.5





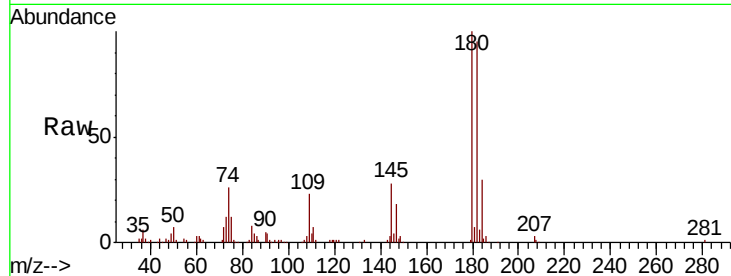
#93
 1,2,4-Trichlorobenzene
 Concen: 16.133 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117999		
182	95.3	47.8	143.3	
145	28.5	14.2	42.6	

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:02:11 AM

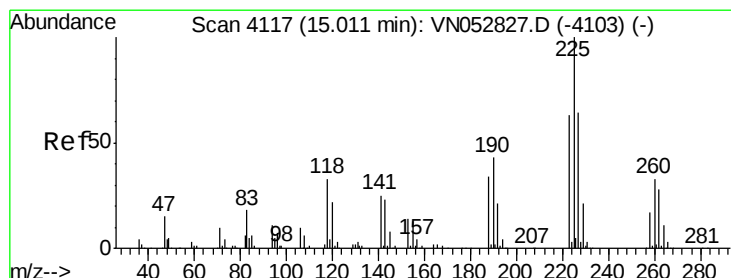
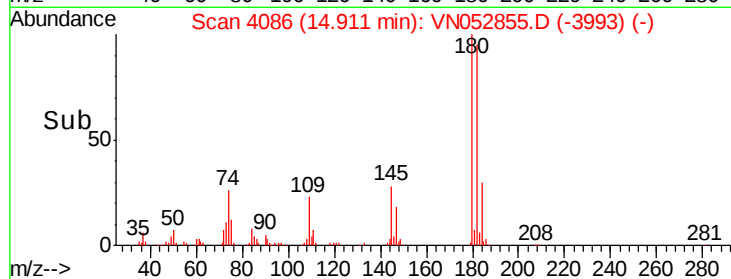
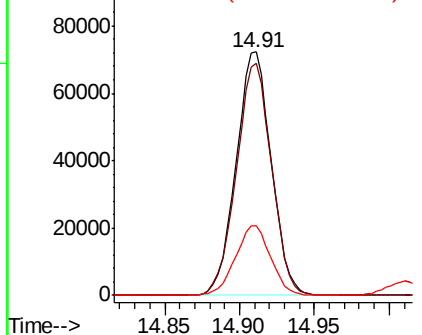


Abundance

Ion 179.80 (179.50 to 180.50): V

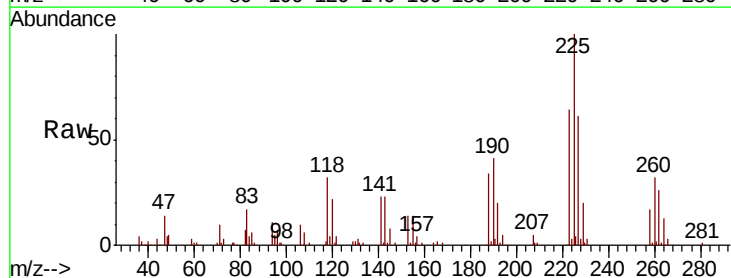
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.125 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80967		
223	64.2	31.5	94.5	
227	64.1	31.9	95.7	

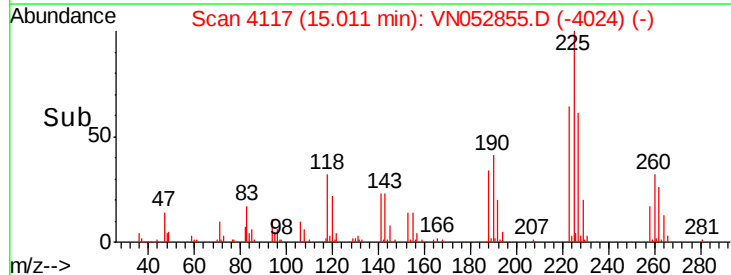
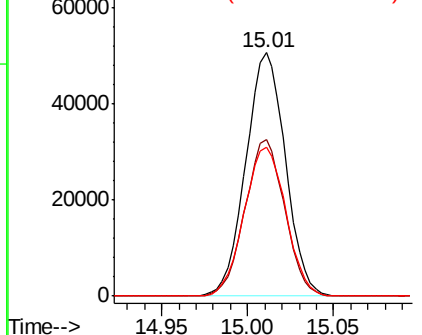


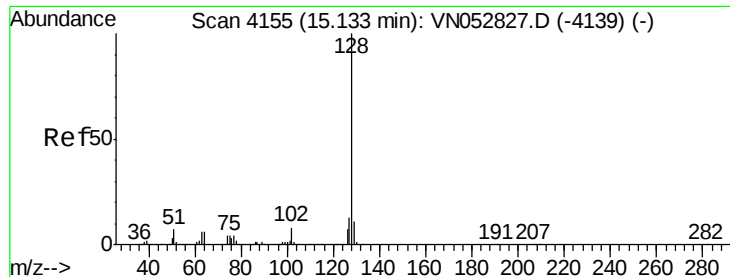
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.851 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

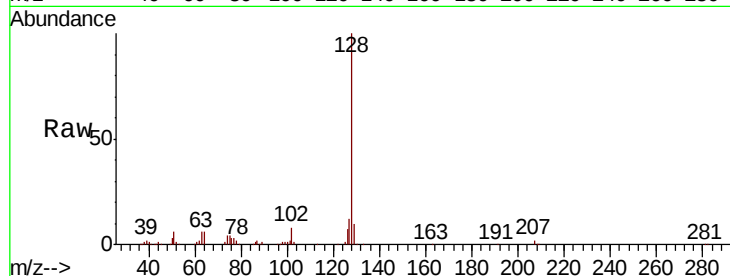
ClientSampleId :

VN1213MBS01

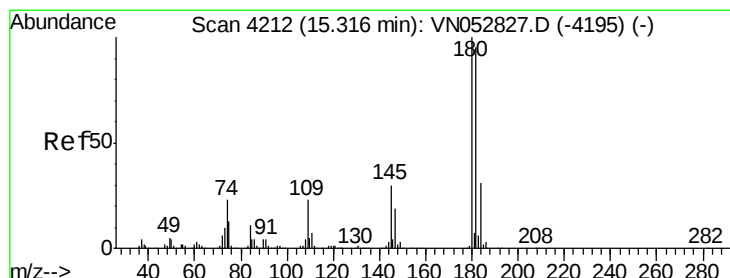
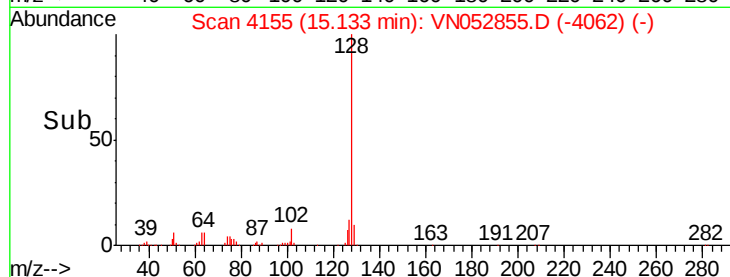
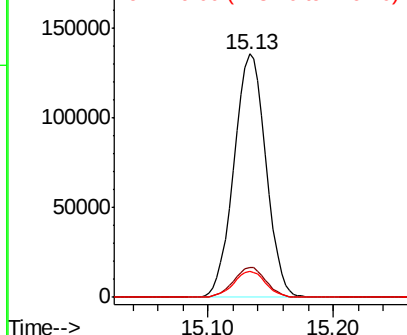
Tot Ion:	128	Resp:	240124
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:11 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.319 ug/l

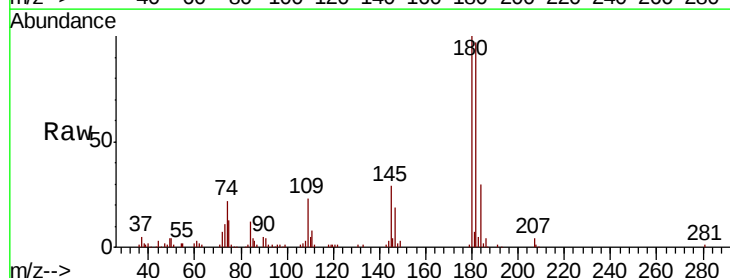
RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion:	180	Resp:	109521
Ion Ratio	Lower	Upper	
180	100		
182	98.7	47.9	143.7
145	30.2	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

