

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053148.D
 Acq On : 22 Dec 2018 22:32
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:10:57 AM

Quant Time: Dec 24 01:18:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1028672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1587428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1416101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608009	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	559715	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	7.59	113	451073	62.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.40%	
50) Toluene-d8	10.09	98	2045946	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.40	95	701037	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	495999	47.642	ug/l	100
3) Chloromethane	2.06	50	618545	49.029	ug/l	98
4) Vinyl Chloride	2.19	62	634734	49.678	ug/l	100
5) Bromomethane	2.57	94	433039	48.918	ug/l	100
6) Chloroethane	2.71	64	380899	50.336	ug/l	100
7) Trichlorofluoromethane	3.02	101	803665	50.491	ug/l	99
8) Diethyl Ether	3.41	74	327381	54.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	509416	50.196	ug/l	98
10) Methyl Iodide	3.96	142	718033	50.382	ug/l	99
11) Tert butyl alcohol	4.78	59	166680	261.684	ug/l	98
12) 1,1-Dichloroethene	3.74	96	495515	50.539	ug/l	99
13) Acrolein	3.61	56	253428	438.799	ug/l	100
14) Allyl chloride	4.33	41	834551	54.952	ug/l	94
15) Acrylonitrile	4.99	53	981341	277.326	ug/l	99
16) Acetone	3.82	43	610415	298.233	ug/l	97
17) Carbon Disulfide	4.06	76	1365205	42.696	ug/l	100
18) Methyl Acetate	4.33	43	539751	57.941	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1459816	55.638	ug/l	100
20) Methylene Chloride	4.55	84	582070	52.134	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	530435	50.354	ug/l	98
22) Diisopropyl ether	5.95	45	1824898	56.295	ug/l	96
23) Vinyl Acetate	5.90	43	5219226	279.991	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1025833	53.254	ug/l	99
25) 2-Butanone	6.83	43	1034075	301.042	ug/l	98
26) 2,2-Dichloropropane	6.83	77	656421	44.640	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	624610	52.374	ug/l	99
28) Bromochloromethane	7.20	49	460186	55.132	ug/l	98
29) Tetrahydrofuran	7.21	42	728120	283.814	ug/l	99
30) Chloroform	7.37	83	998331	52.758	ug/l	99
31) Cyclohexane	7.66	56	928899	51.446	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	830824	51.540	ug/l	99
36) 1,1-Dichloropropene	7.79	75	768415	50.432	ug/l	99
37) Ethyl Acetate	6.93	43	483585	56.854	ug/l	100
38) Carbon Tetrachloride	7.78	117	704368	50.436	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053148.D
 Acq On : 22 Dec 2018 22:32
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:10:57 AM

Quant Time: Dec 24 01:18:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	877817	47.426	ug/l	98
40) Benzene	8.04	78	2387092	52.671	ug/l	99
41) Methacrylonitrile	7.17	41	289274	58.860	ug/l	95
42) 1,2-Dichloroethane	8.12	62	699534	52.249	ug/l	99
43) Isopropyl Acetate	8.16	43	905769	55.135	ug/l	98
44) Trichloroethene	8.84	130	648836	49.497	ug/l	99
45) 1,2-Dichloropropane	9.12	63	635657	53.847	ug/l	100
46) Dibromomethane	9.21	93	360562	52.432	ug/l	99
47) Bromodichloromethane	9.40	83	763780	52.250	ug/l	99
48) Methyl methacrylate	9.20	41	478054	57.919	ug/l	98
49) 1,4-Dioxane	9.20	88	98948	947.718	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2424561	294.343	ug/l	99
52) Toluene	10.16	92	1483124	52.797	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	778554	50.650	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	907048	51.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	529373	54.017	ug/l	98
56) Ethyl methacrylate	10.43	69	732496	56.470	ug/l	98
57) 1,3-Dichloropropane	10.71	76	915058	54.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1951665	274.062	ug/l	99
59) 2-Hexanone	10.75	43	1612412	289.318	ug/l	99
60) Dibromochloromethane	10.90	129	582095	51.890	ug/l	99
61) 1,2-Dibromoethane	11.01	107	532003	53.451	ug/l	99
64) Tetrachloroethene	10.63	164	715174	46.623	ug/l	98
65) Chlorobenzene	11.43	112	1630224	51.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	571856	52.386	ug/l	99
67) Ethyl Benzene	11.51	91	2812458	52.098	ug/l	100
68) m/p-Xylenes	11.62	106	2095260	102.096	ug/l	100
69) o-Xylene	11.95	106	1037866	52.702	ug/l	100
70) Styrene	11.96	104	1696101	52.819	ug/l	100
71) Bromoform	12.13	173	399805	50.698	ug/l #	99
73) Isopropylbenzene	12.25	105	2713315	57.037	ug/l	99
74) N-amyl acetate	12.07	43	811384	61.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	603190	64.631	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	482161m	47.108	ug/l	
77) Bromobenzene	12.53	156	690909	55.872	ug/l	100
78) n-propylbenzene	12.59	91	3005875	55.480	ug/l	100
79) 2-Chlorotoluene	12.67	91	1776833	52.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2076875	53.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	167911	52.876	ug/l	97
82) 4-Chlorotoluene	12.77	91	1789531	54.435	ug/l	100
83) tert-Butylbenzene	12.99	119	1838162	53.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2079214	53.341	ug/l	99
85) sec-Butylbenzene	13.17	105	2408503	51.925	ug/l	100
86) p-Isopropyltoluene	13.29	119	2040382	50.908	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129015	51.586	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1110529	50.106	ug/l	100
89) n-Butylbenzene	13.62	91	1617134	46.899	ug/l	100
90) Hexachloroethane	13.88	117	322185	52.383	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1062232	51.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81527	50.522	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
Data File : VN053148.D
Acq On : 22 Dec 2018 22:32
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

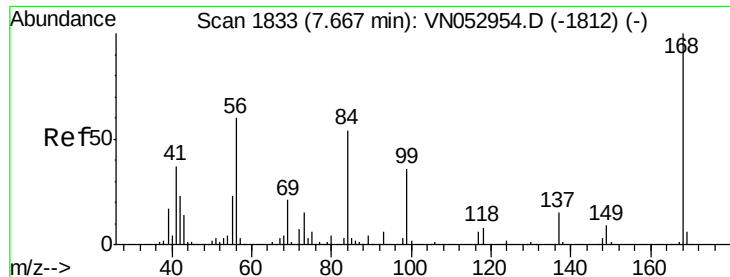
Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM

Quant Time: Dec 24 01:18:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	496125	45.516	ug/l	100
94) Hexachlorobutadiene	15.01	225	292072	51.793	ug/l	100
95) Naphthalene	15.13	128	1128570	47.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	449617	45.796	ug/l	100

(#) = 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: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1028672

Ion Ratio Lower Upper

168 100

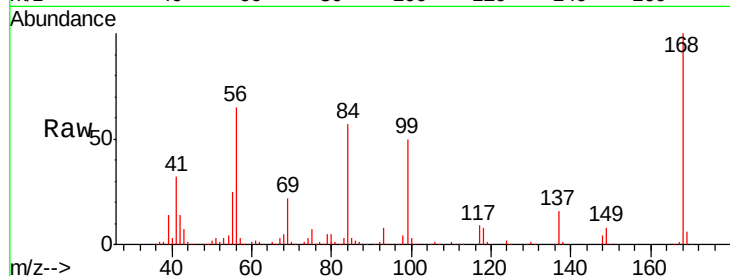
99 50.0 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

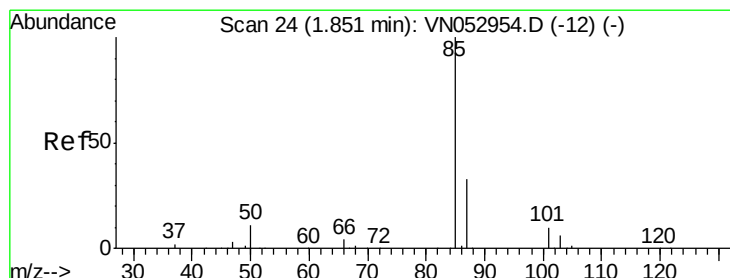
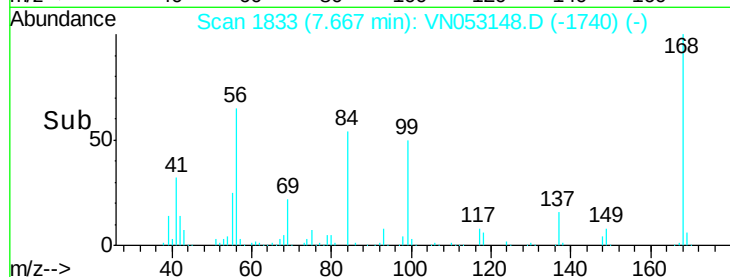
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.642 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053148.D

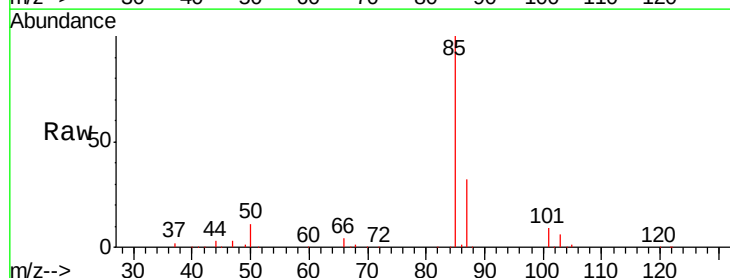
Acq: 22 Dec 2018 22:32

Tgt Ion: 85 Resp: 495999

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

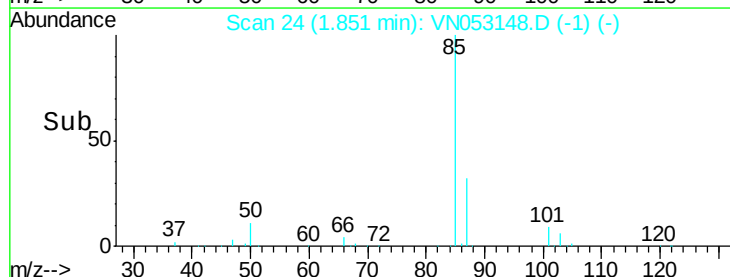
300000

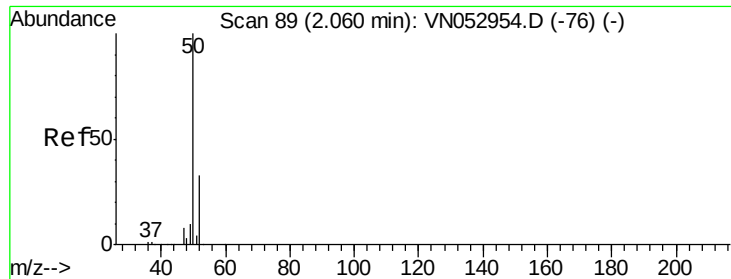
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.029 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 618545

Ion Ratio Lower Upper

50 100

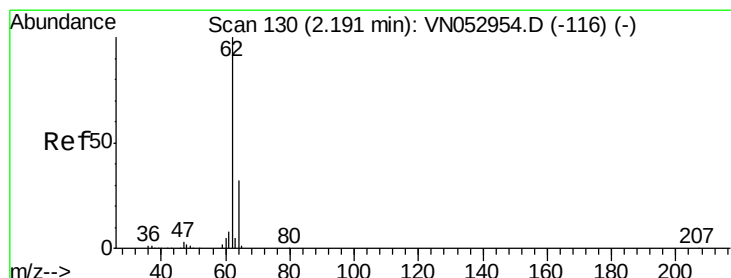
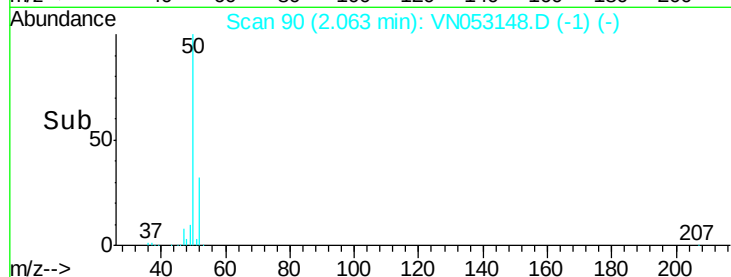
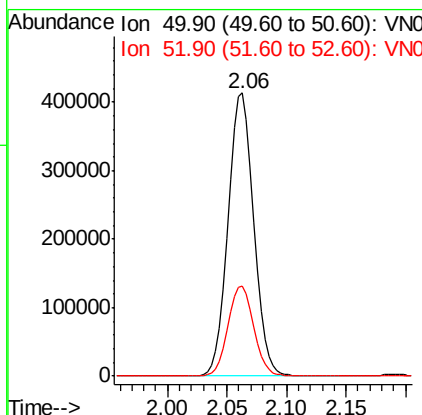
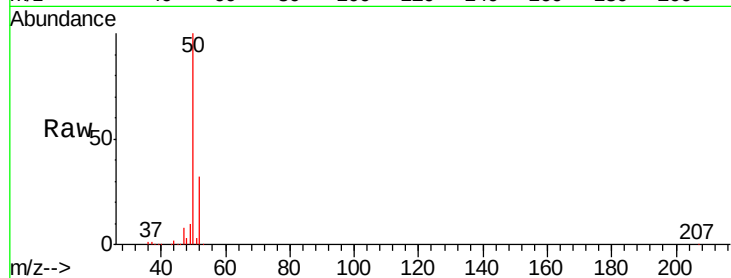
52 31.7 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



#4

Vinyl Chloride

Concen: 49.678 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053148.D

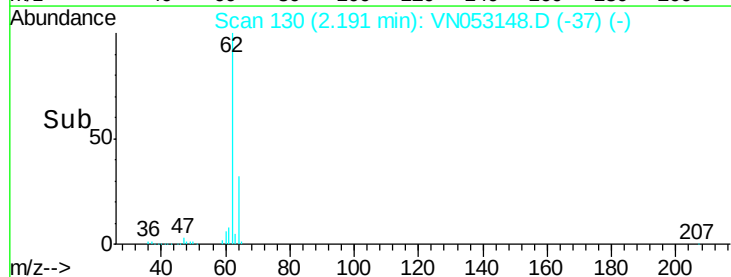
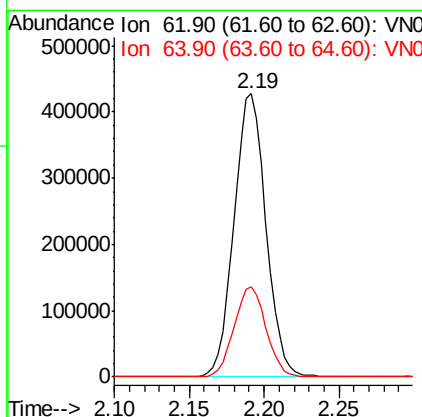
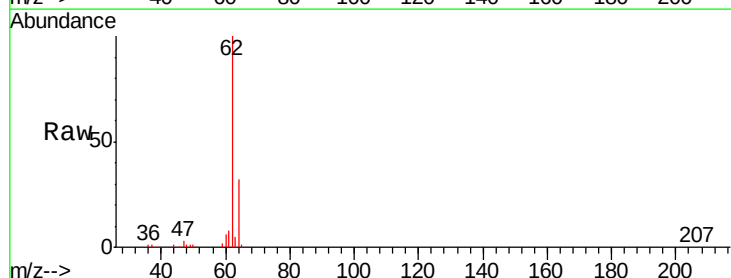
Acq: 22 Dec 2018 22:32

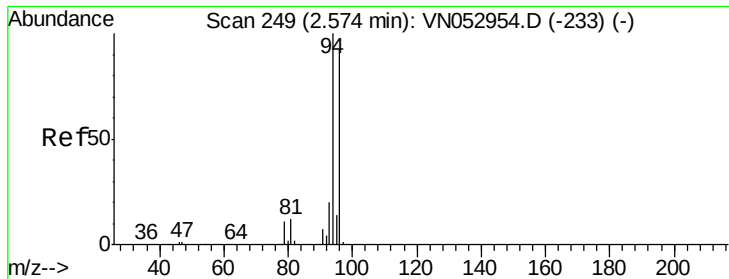
Tgt Ion: 62 Resp: 634734

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 48.918 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 433039

Ion Ratio Lower Upper

94 100

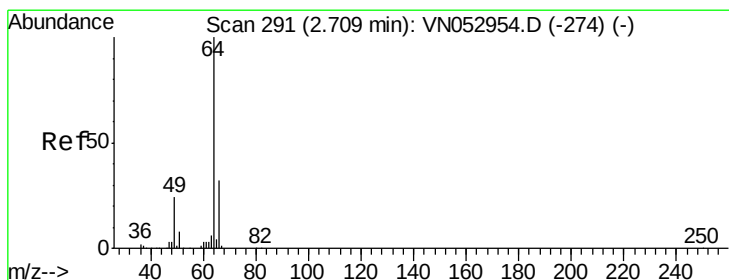
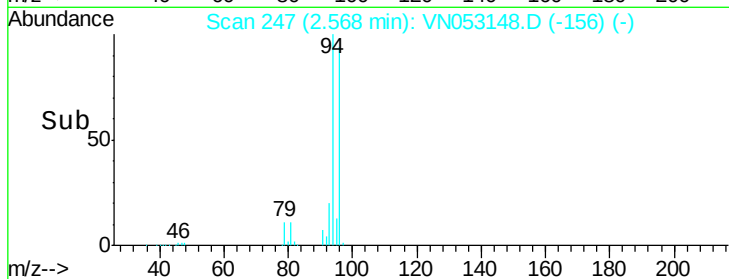
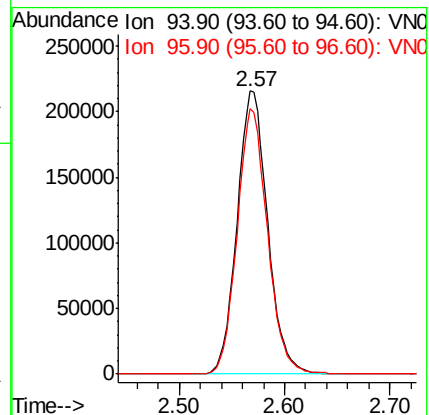
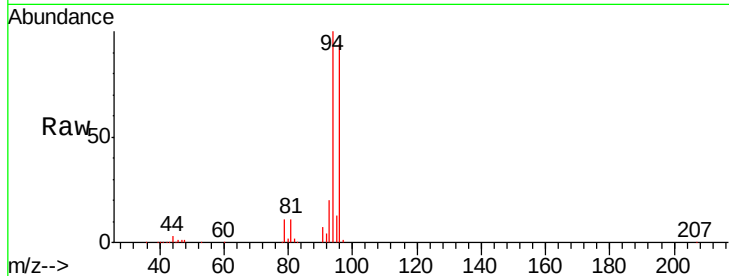
96 93.6 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



#6

Chloroethane

Concen: 50.336 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053148.D

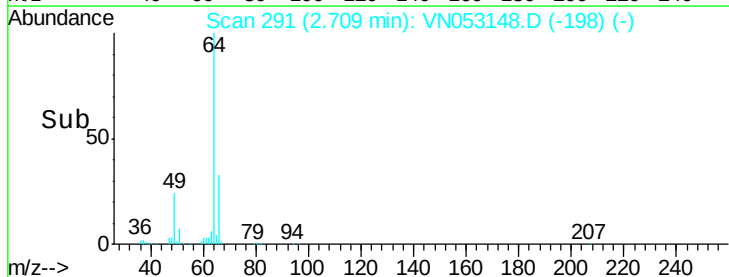
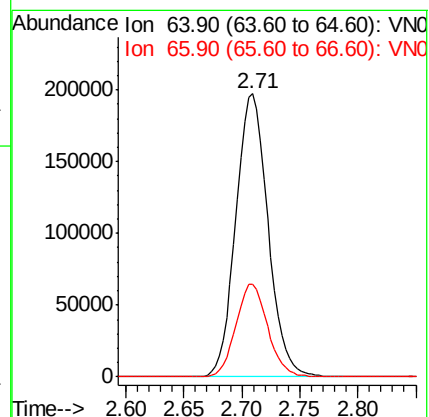
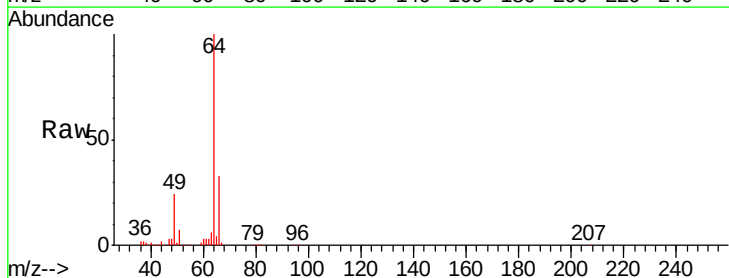
Acq: 22 Dec 2018 22:32

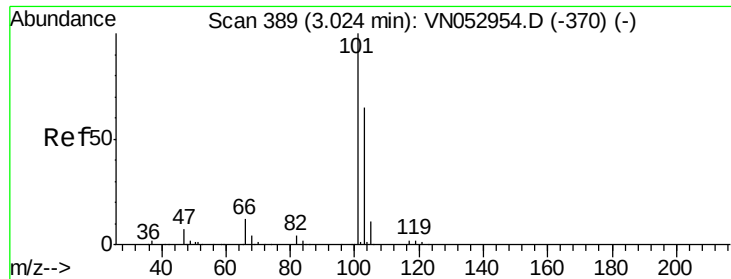
Tgt Ion: 64 Resp: 380899

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2





#7

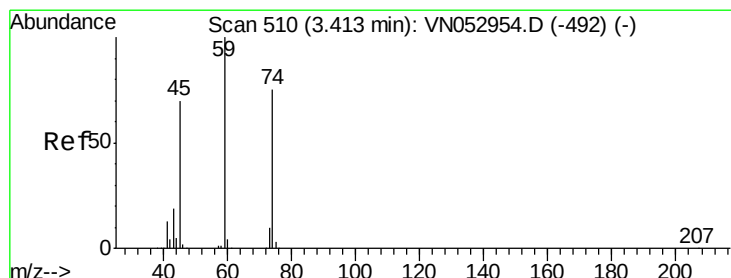
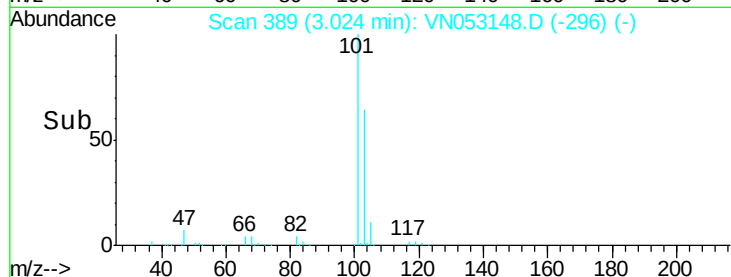
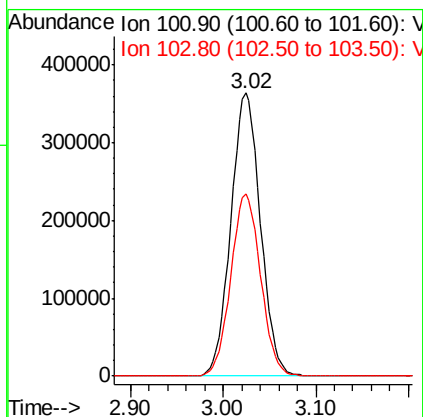
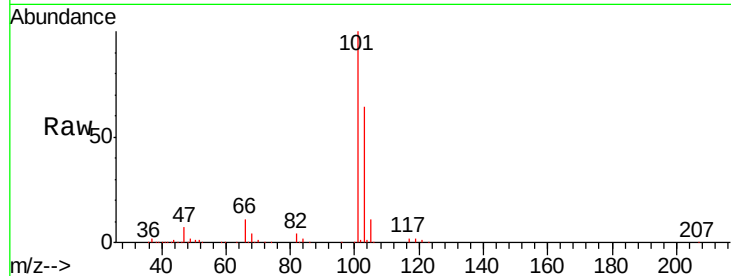
Trichlorofluoromethane
 Concen: 50.491 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

Manual Integrations
 APPROVED

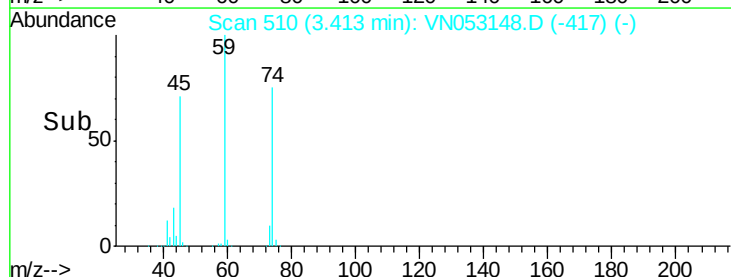
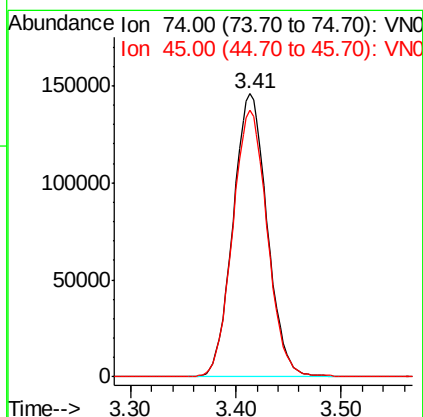
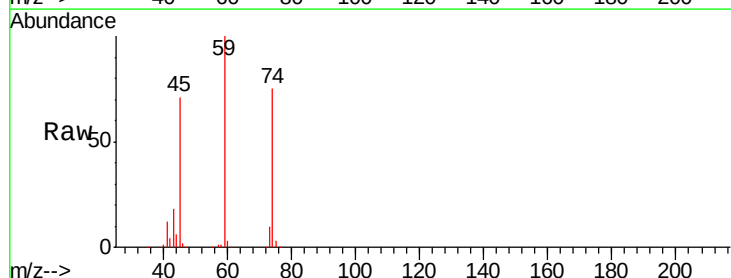
MMDadoda
 12/24/2018 9:10:57 AM

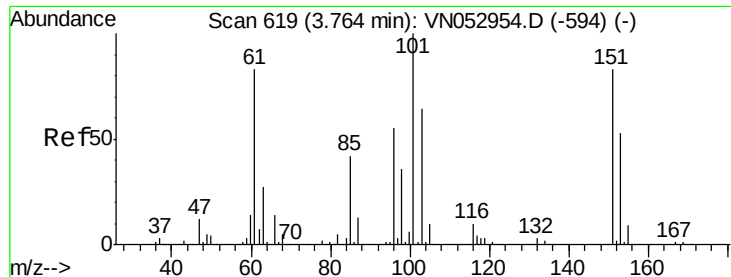


#8

Diethyl Ether
 Concen: 54.521 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	49.4	148.0





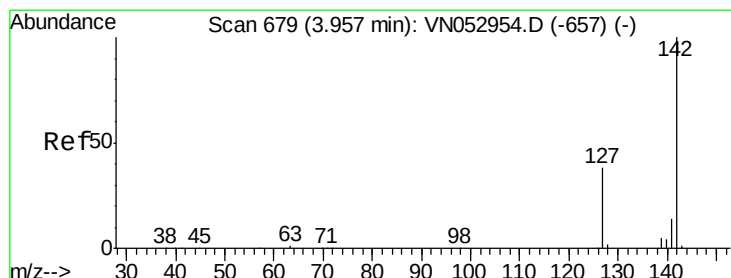
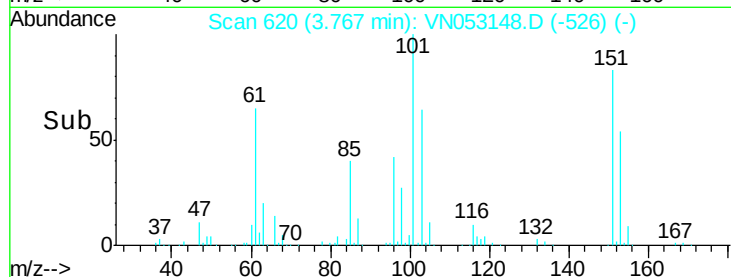
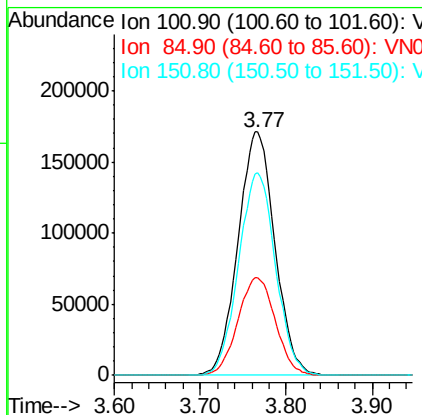
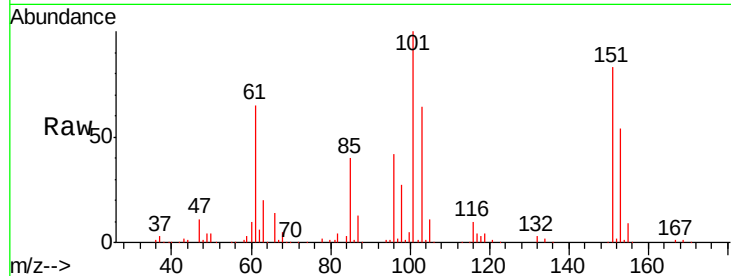
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.196 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	509416		
85	40.9	33.6	50.4	
151	83.6	65.5	98.3	

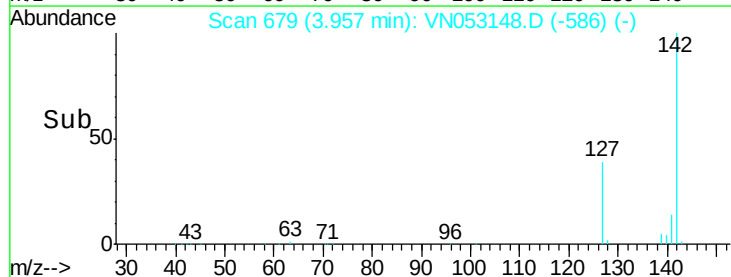
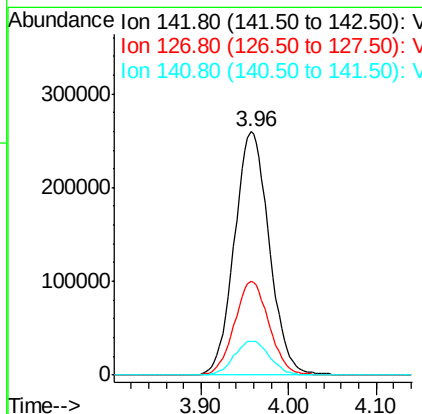
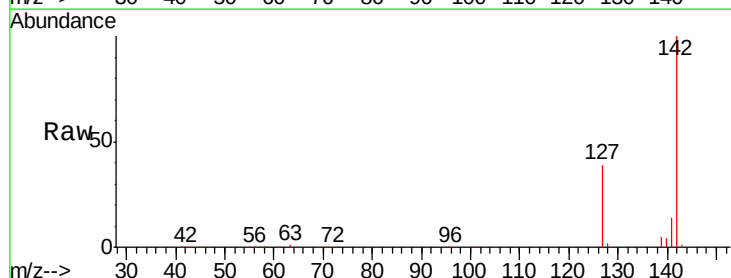
Manual Integrations
 APPROVED

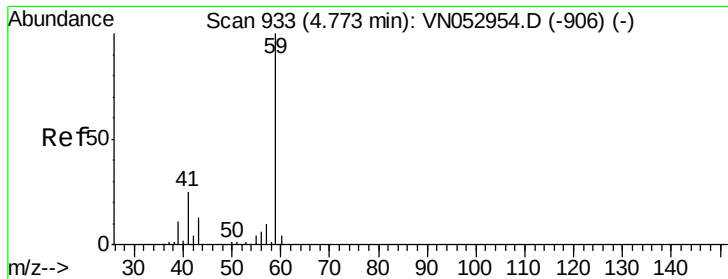
MMDadoda
 12/24/2018 9:10:57 AM



#10
 Methyl Iodide
 Concen: 50.382 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	718033		
127	38.4	31.0	46.6	
141	14.2	11.2	16.8	





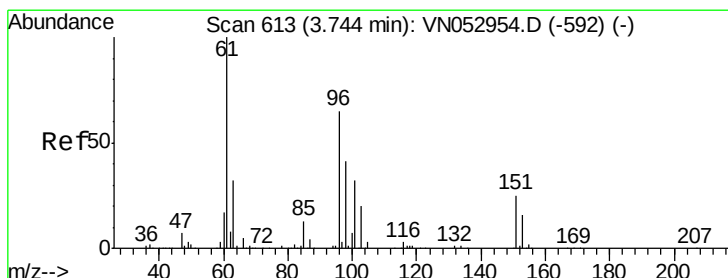
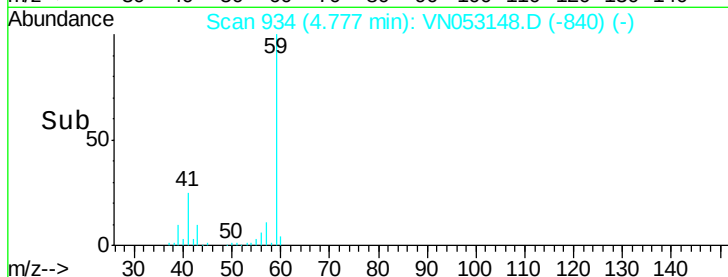
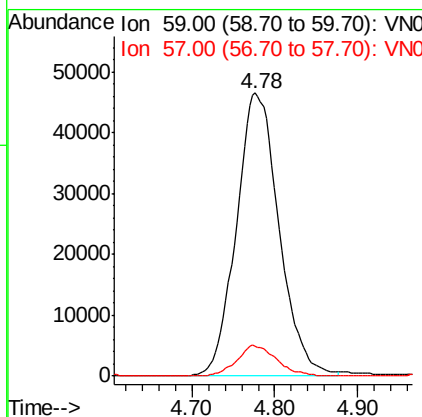
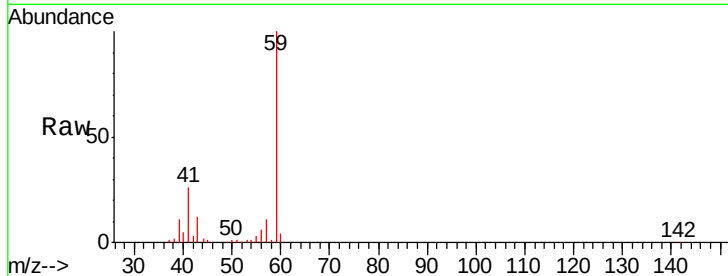
#11
Tert butyl alcohol
Concen: 261.684 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 166680
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

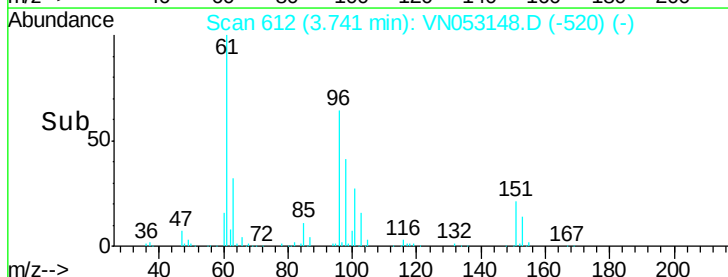
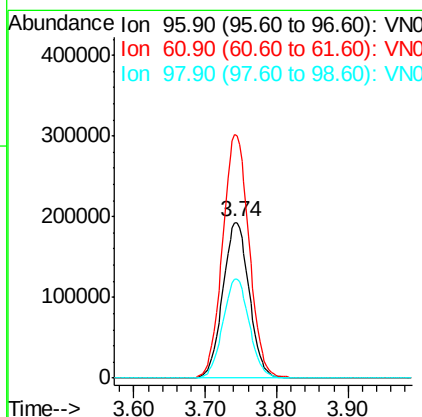
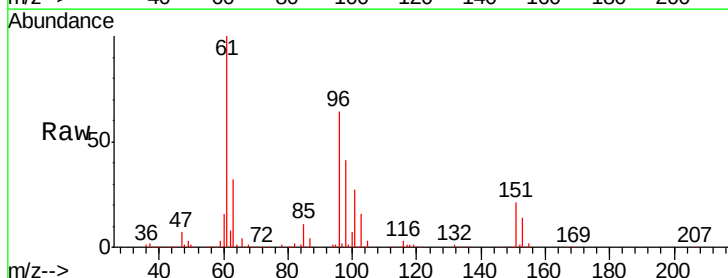
Manual Integrations
APPROVED

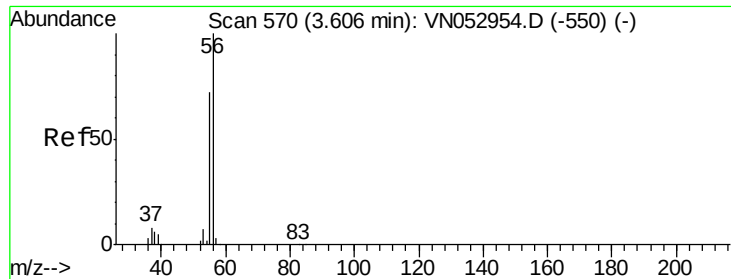
MMDadoda
12/24/2018 9:10:57 AM



#12
1,1-Dichloroethene
Concen: 50.539 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 96 Resp: 495515
Ion Ratio Lower Upper
96 100
61 156.2 125.6 188.4
98 63.6 50.6 75.8





#13

Acrolein

Concen: 438.799 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 253428

Ion Ratio Lower Upper

56 100

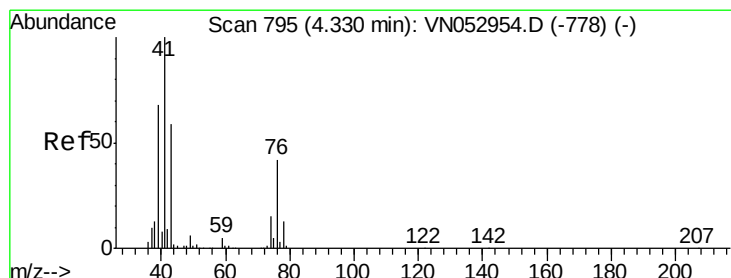
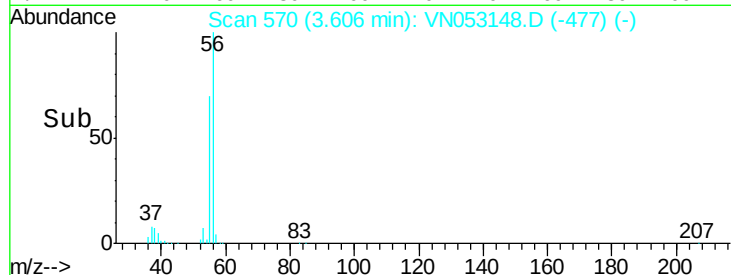
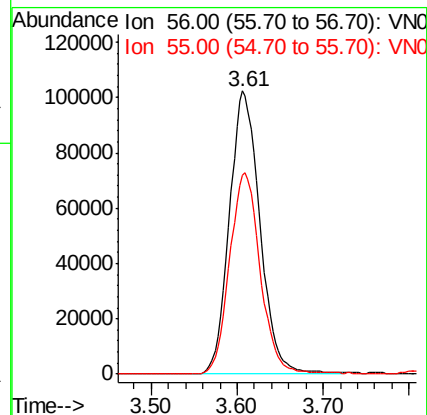
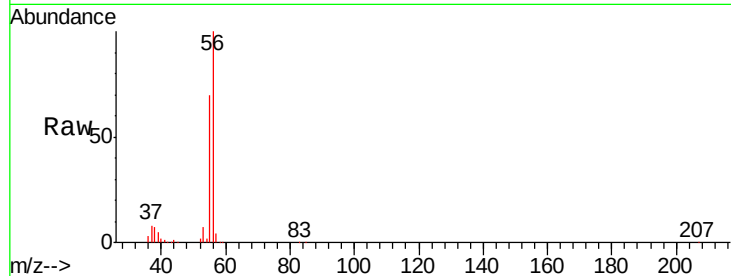
55 71.2 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



#14

Allyl chloride

Concen: 54.952 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

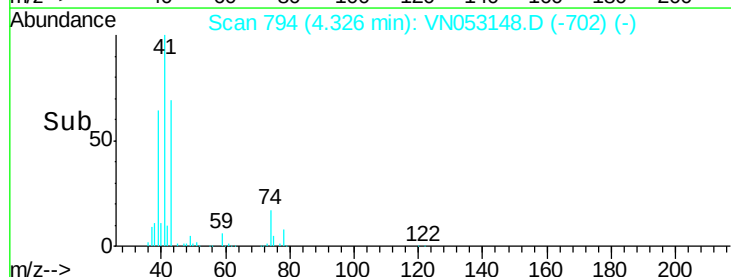
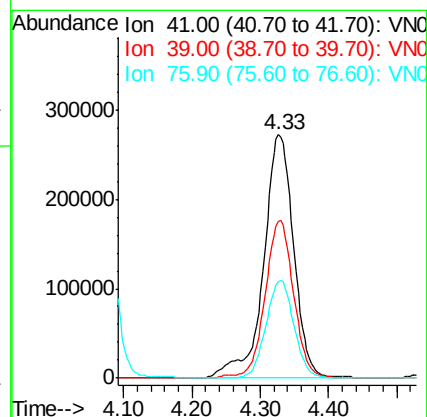
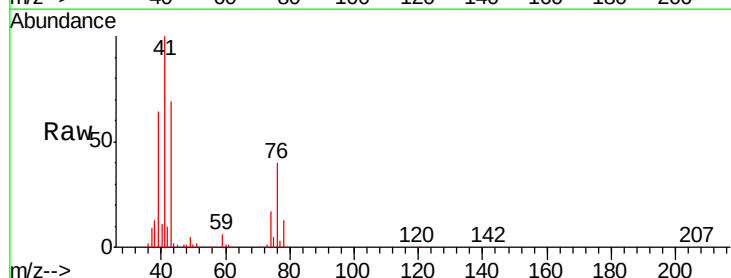
Tgt Ion: 41 Resp: 834551

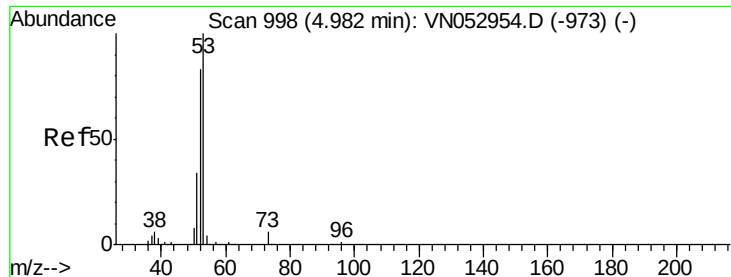
Ion Ratio Lower Upper

41 100

39 61.5 54.1 81.1

76 36.6 30.3 45.5





#15

Acrylonitrile

Concen: 277.326 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

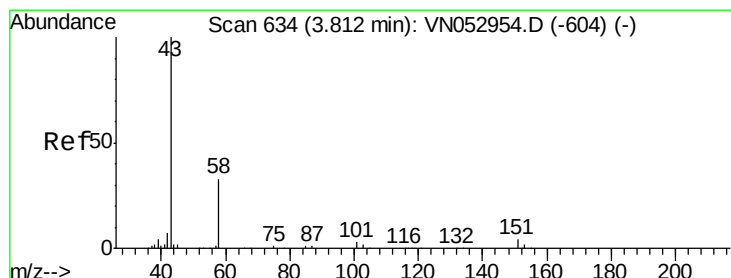
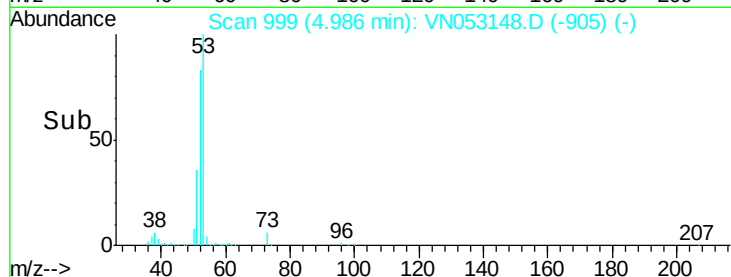
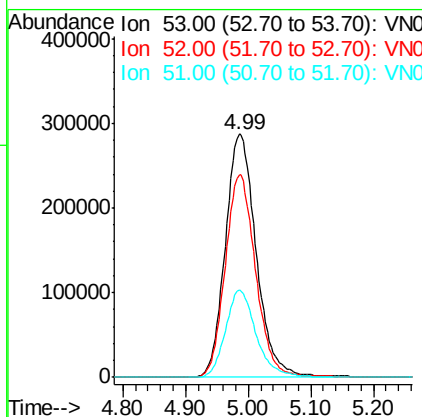
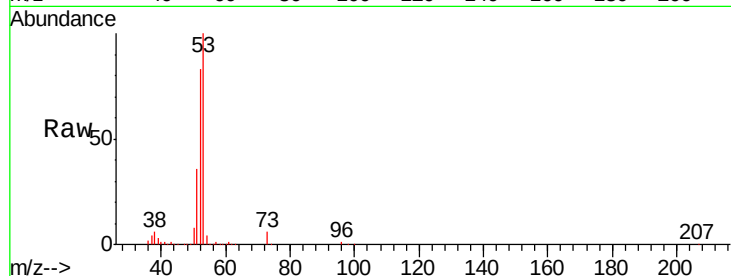
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	981341
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.8	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#16

Acetone

Concen: 298.233 ug/l

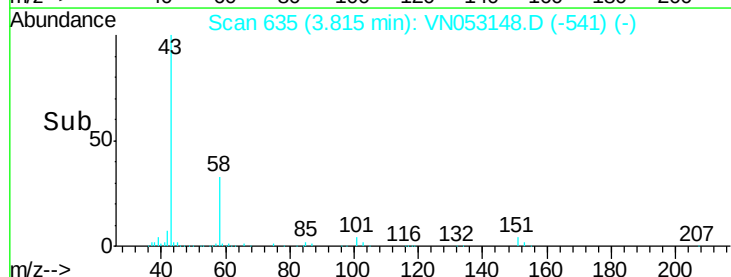
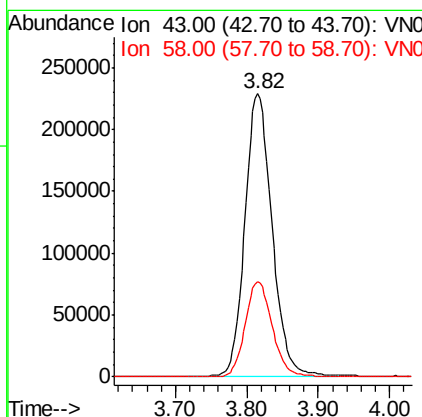
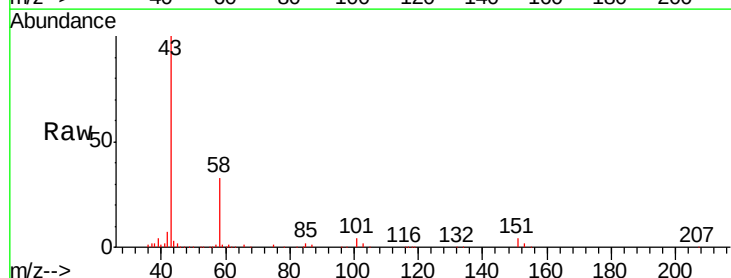
RT: 3.82 min Scan# 635

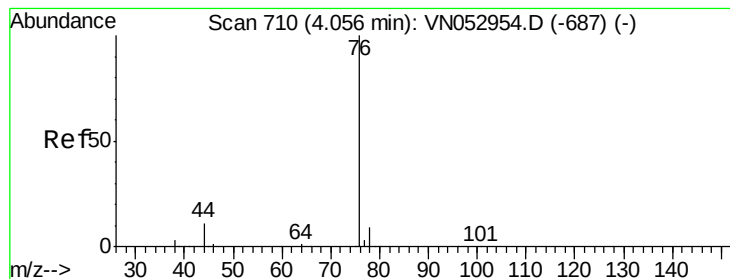
Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	43	Resp:	610415
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0





#17

Carbon Disulfide

Concen: 42.696 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1365205

Ion Ratio Lower Upper

76 100

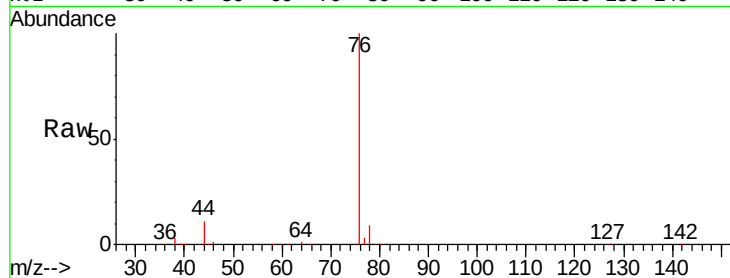
78 9.0 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053148.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053148.D (-617) (-)

4.06

600000

500000

400000

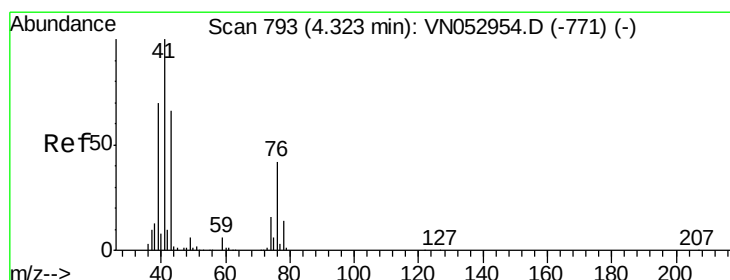
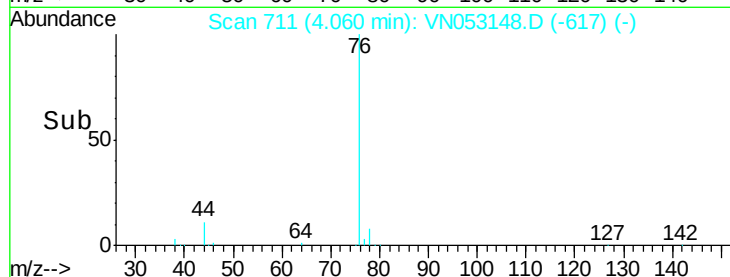
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.941 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053148.D

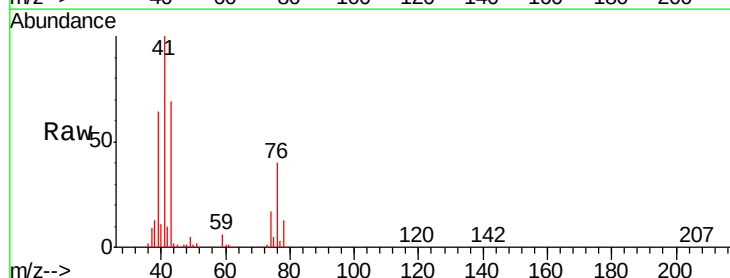
Acq: 22 Dec 2018 22:32

Tgt Ion: 43 Resp: 539751

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053148.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053148.D (-700) (-)

4.33

200000

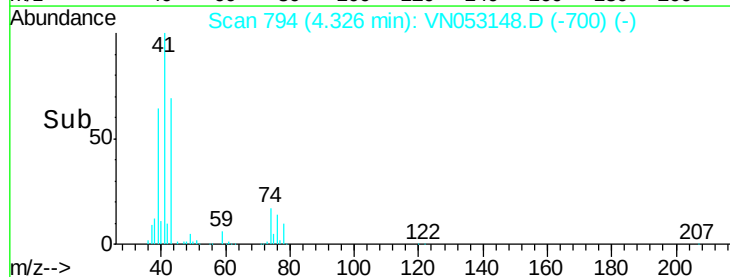
150000

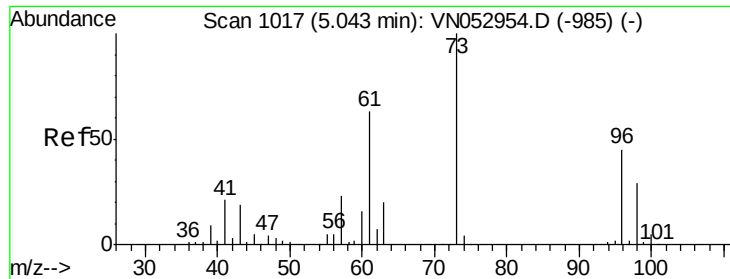
100000

50000

0

Time-->





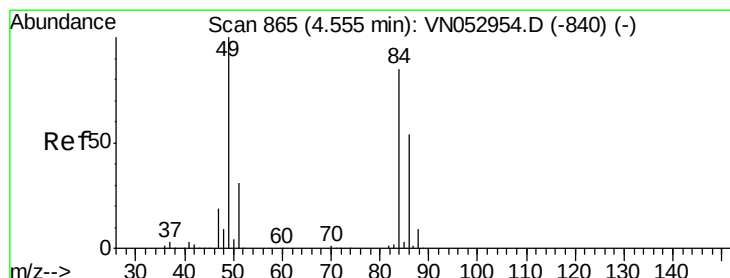
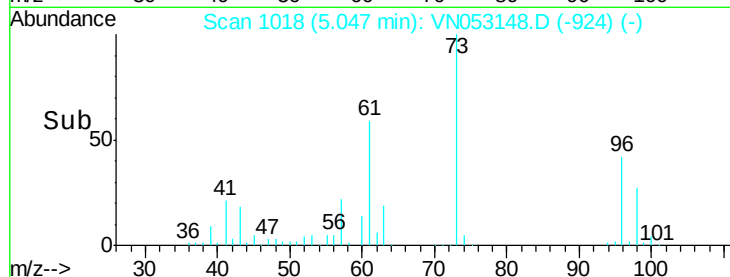
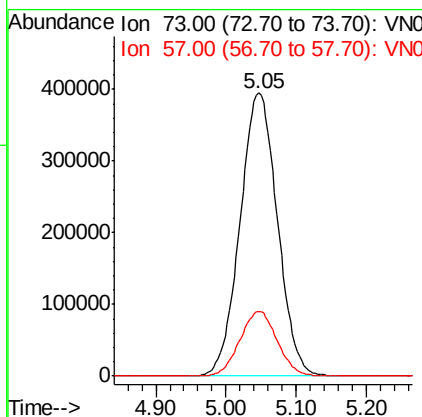
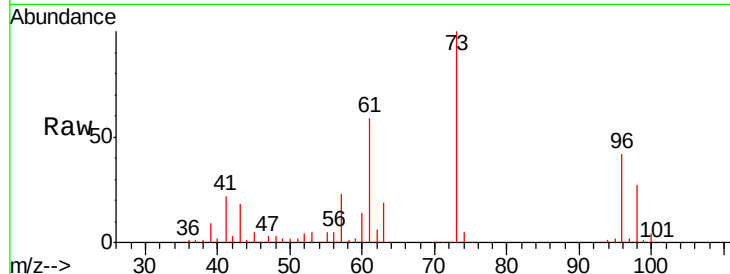
#19
Methyl tert-butyl Ether
Concen: 55.638 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1459816
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

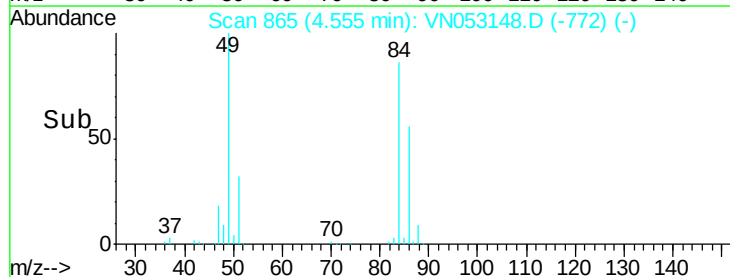
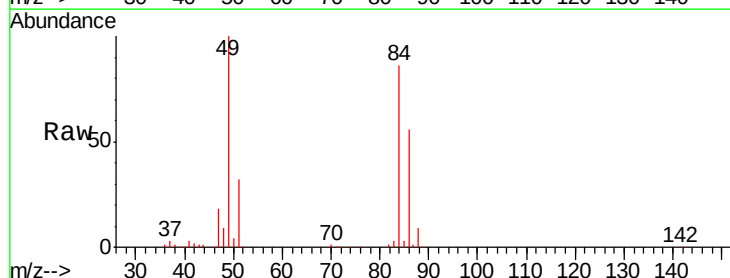
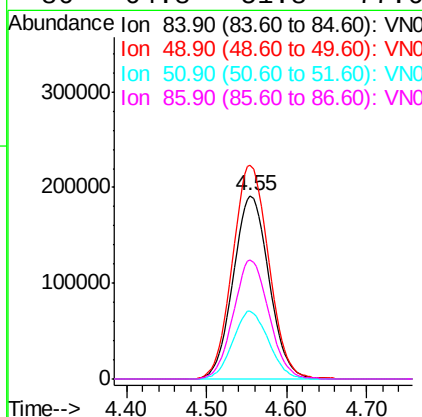
Manual Integrations
APPROVED

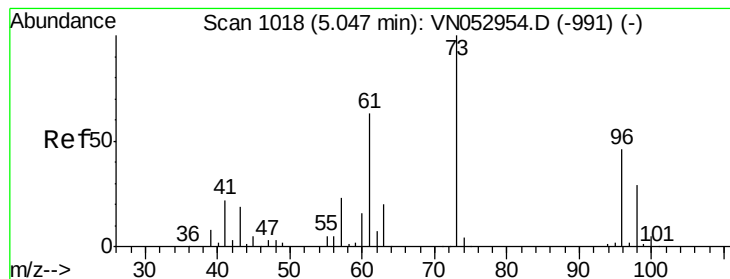
MMDadoda
12/24/2018 9:10:57 AM



#20
Methylene Chloride
Concen: 52.134 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 84 Resp: 582070
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 37.0 29.9 44.9
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.354 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 530435

Ion Ratio Lower Upper

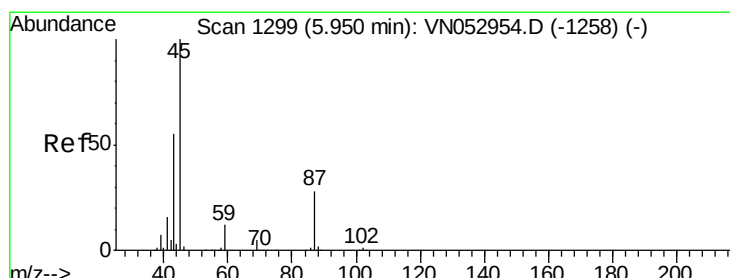
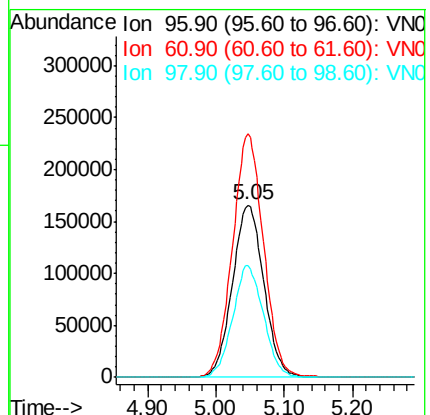
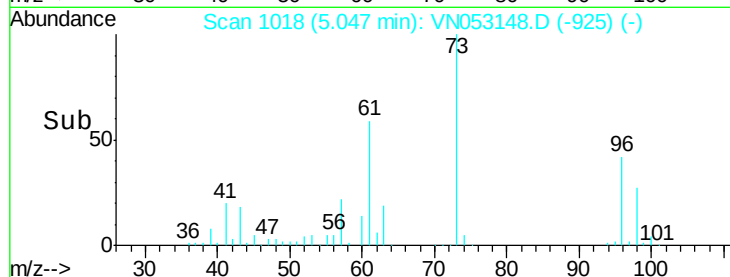
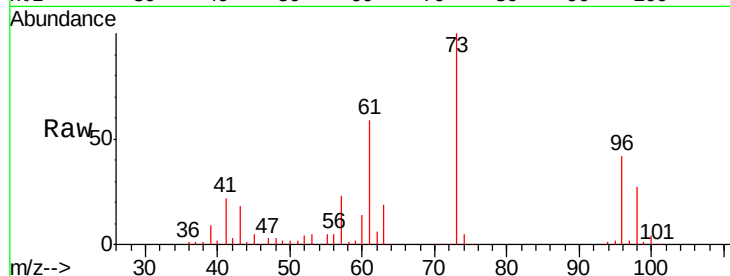
96 100

61 141.3 110.8 166.2

98 64.7 51.4 77.2

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#22

Diisopropyl ether

Concen: 56.295 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion: 45 Resp: 1824898

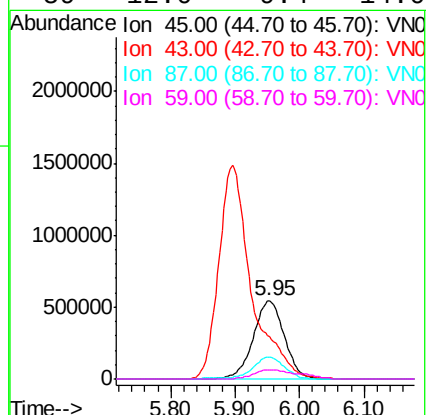
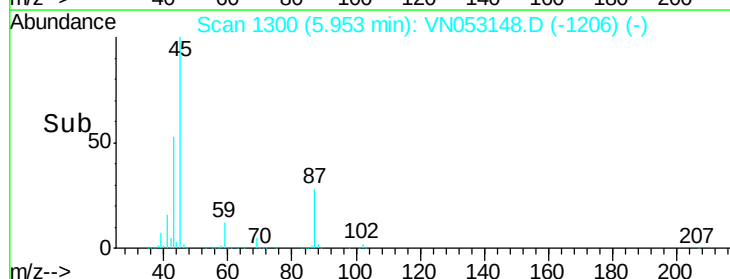
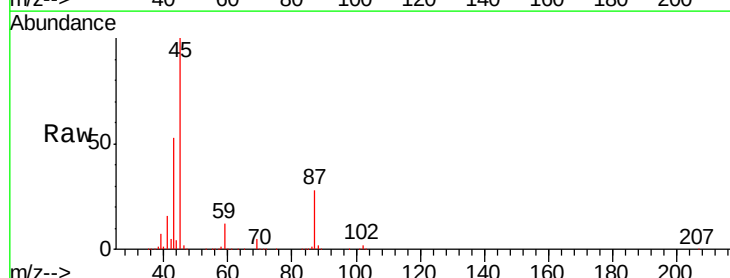
Ion Ratio Lower Upper

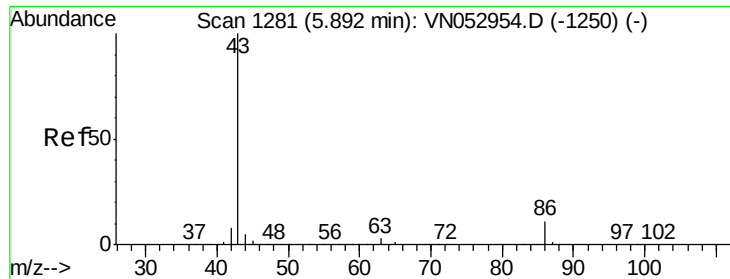
45 100

43 52.8 45.5 68.3

87 28.2 22.0 33.0

59 12.0 9.4 14.0





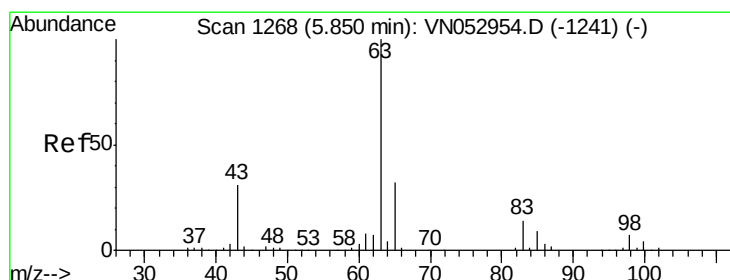
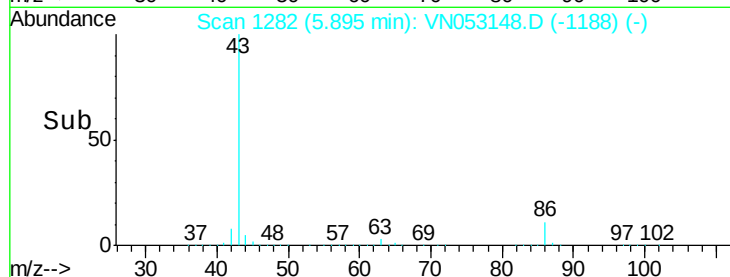
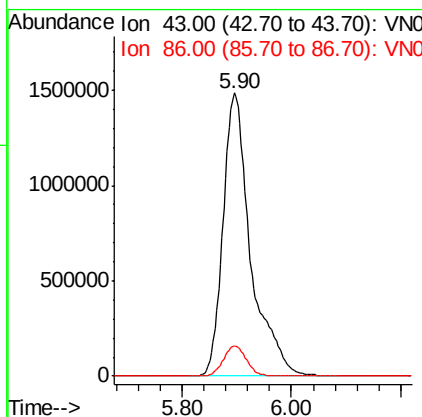
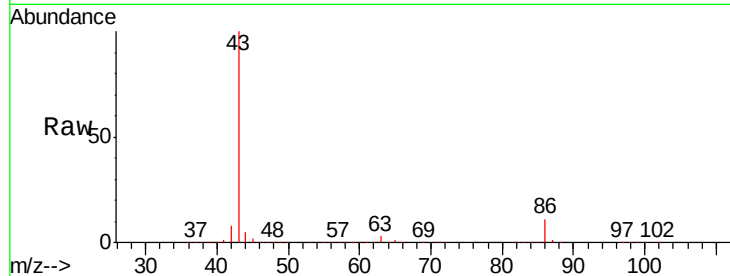
#23
 Vinyl Acetate
 Concen: 279.991 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 5219226
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1

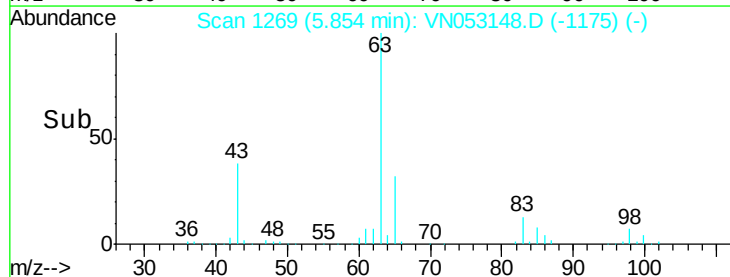
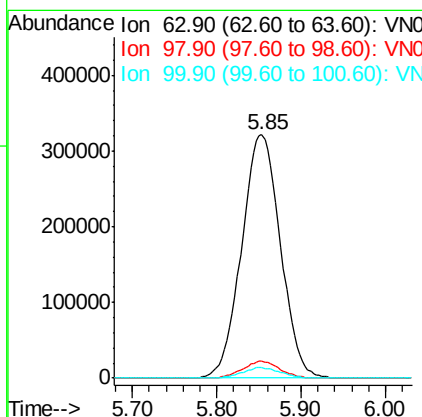
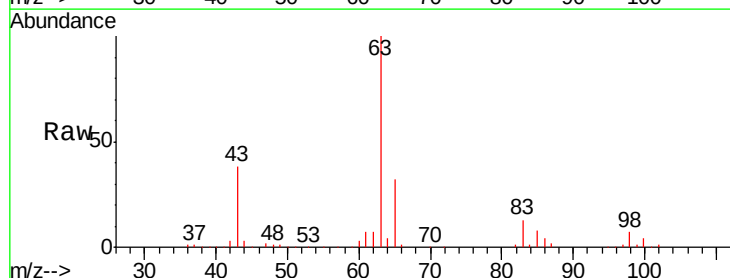
Manual Integrations
 APPROVED

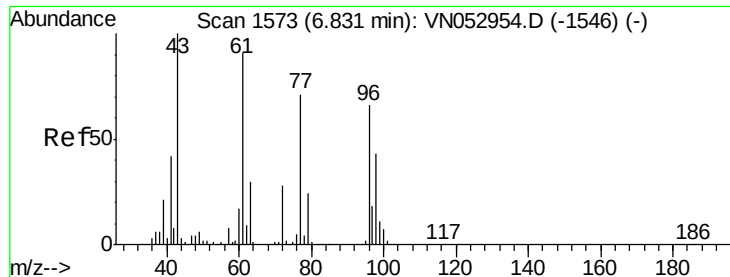
MMDadoda
 12/24/2018 9:10:57 AM



#24
 1,1-Dichloroethane
 Concen: 53.254 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 63 Resp: 1025833
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.2 2.0 5.8





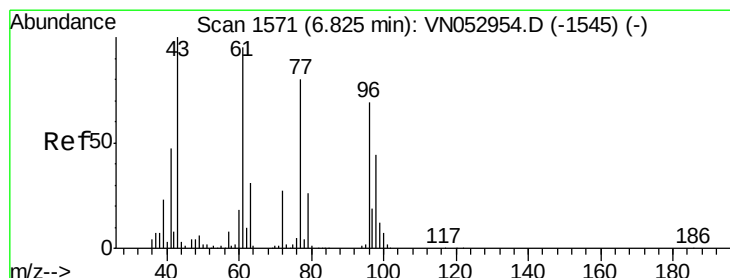
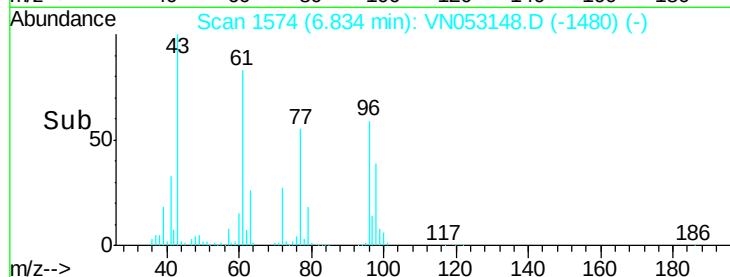
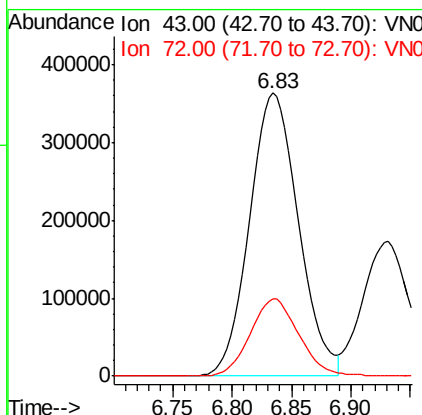
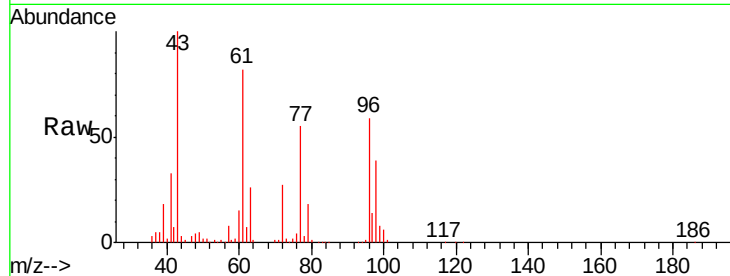
#25
2-Butanone
Concen: 301.042 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1034075
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6

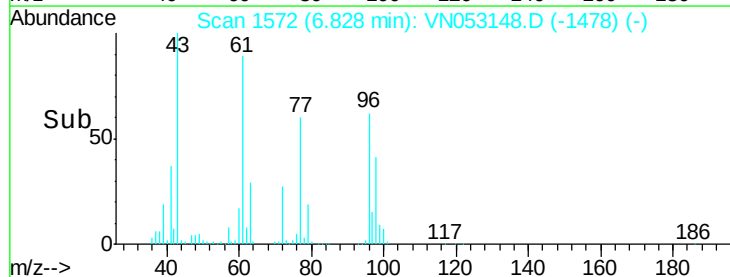
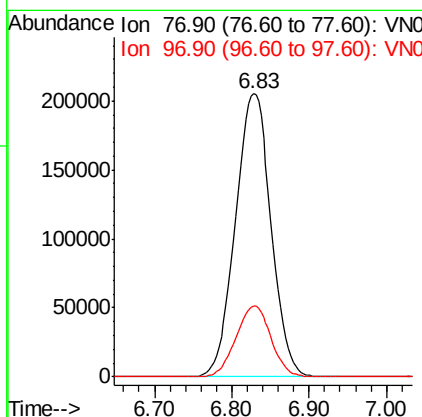
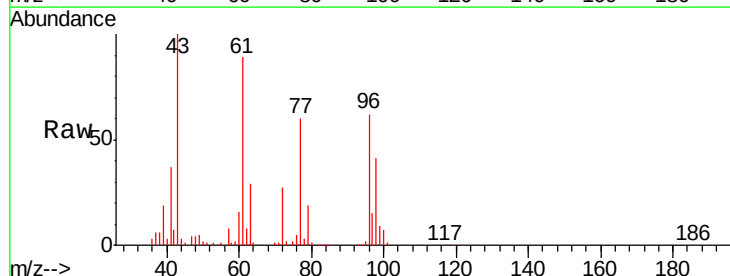
Manual Integrations
APPROVED

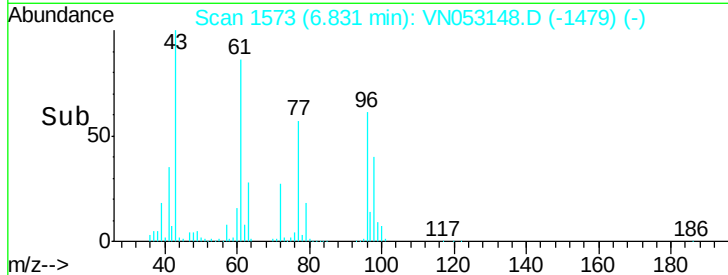
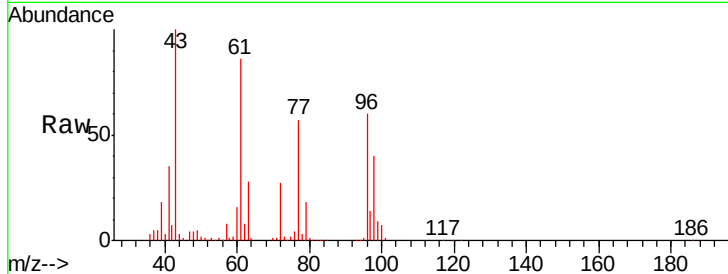
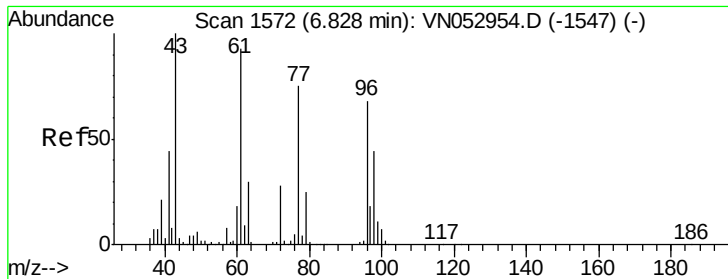
MMDadoda
12/24/2018 9:10:57 AM



#26
2,2-Dichloropropane
Concen: 44.640 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 77 Resp: 656421
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.374 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053148.D

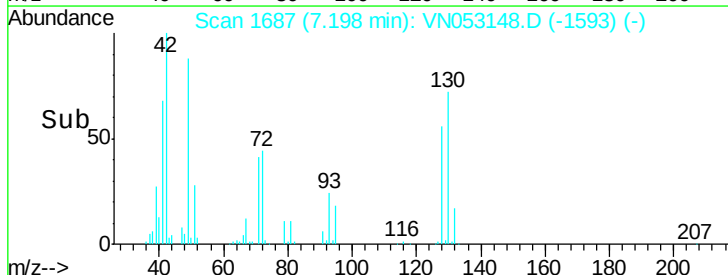
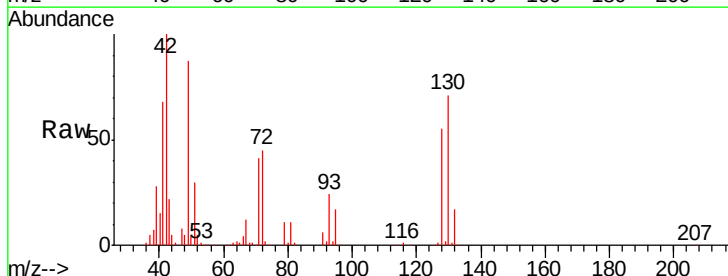
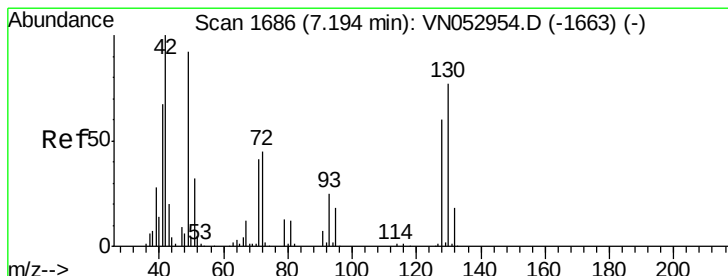
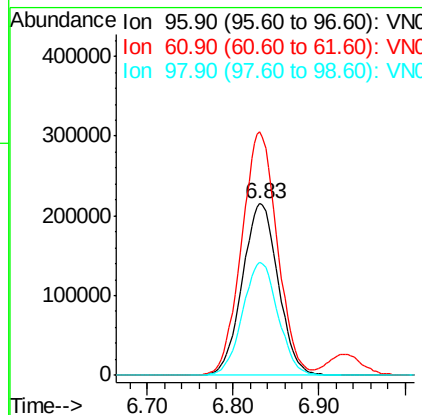
Acq: 22 Dec 2018 22:32

Tgt Ion:	96	Resp:	624610
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	284.2
98	65.0	0.0	129.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#28

Bromochloromethane

Concen: 55.132 ug/l

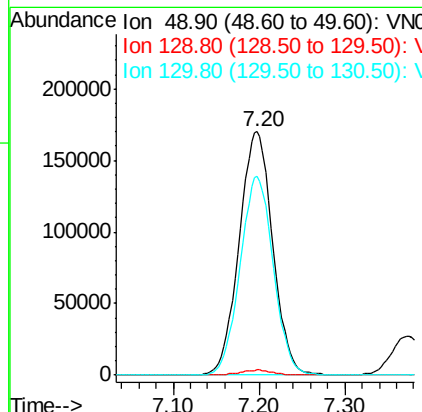
RT: 7.20 min Scan# 1687

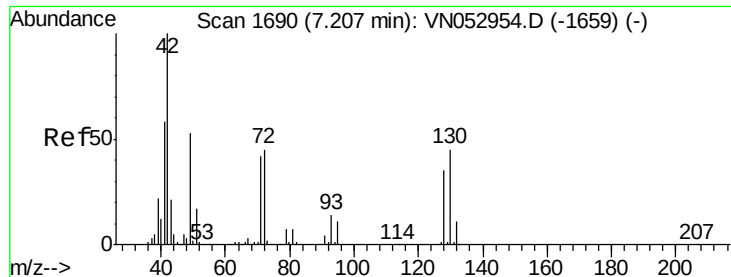
Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	49	Resp:	460186
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.2	63.3	94.9





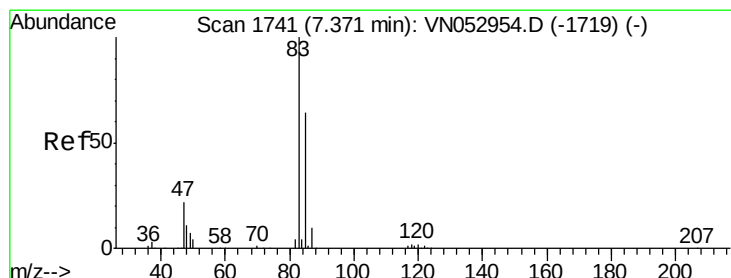
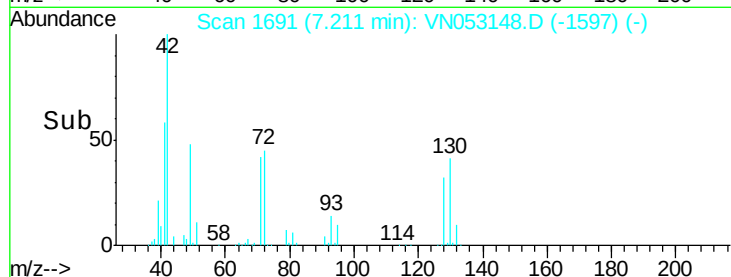
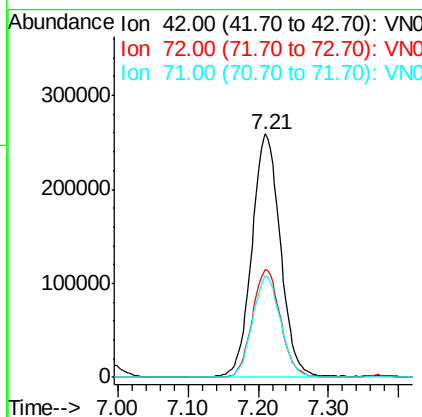
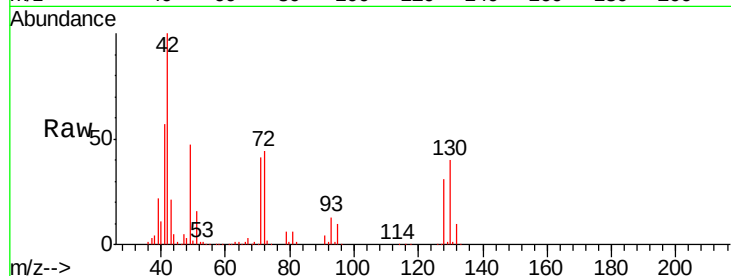
#29
Tetrahydrofuran
Concen: 283.814 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.7	52.1
71	41.1	32.3	48.5

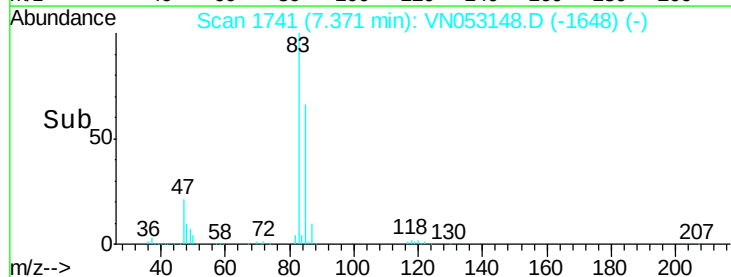
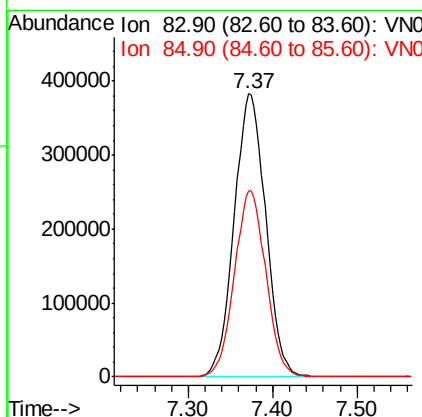
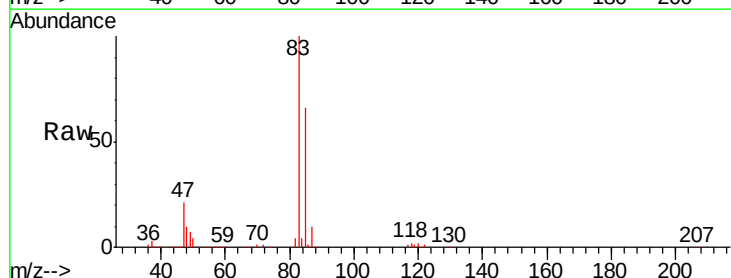
Manual Integrations
APPROVED

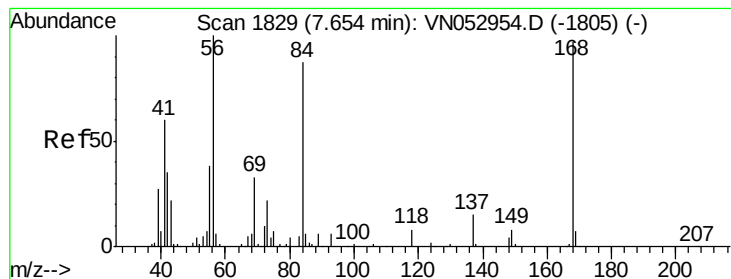
MMDadoda
12/24/2018 9:10:57 AM



#30
Chloroform
Concen: 52.758 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1





#31

Cyclohexane

Concen: 51.446 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 928899
Ion Ratio Lower Upper

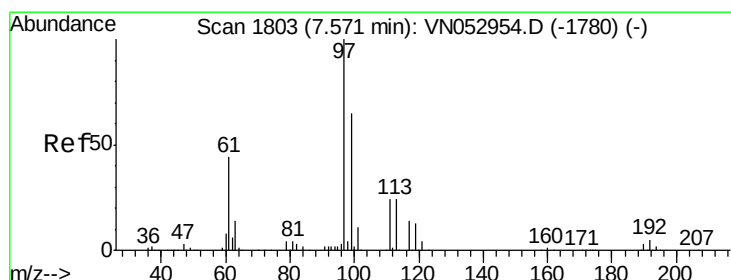
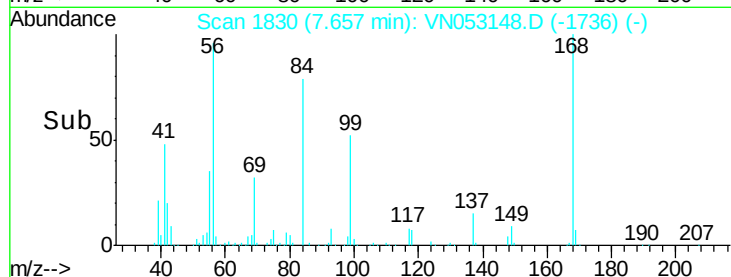
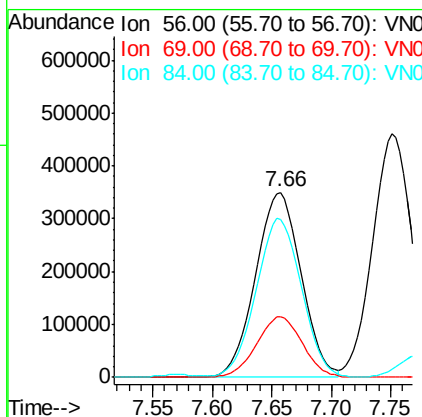
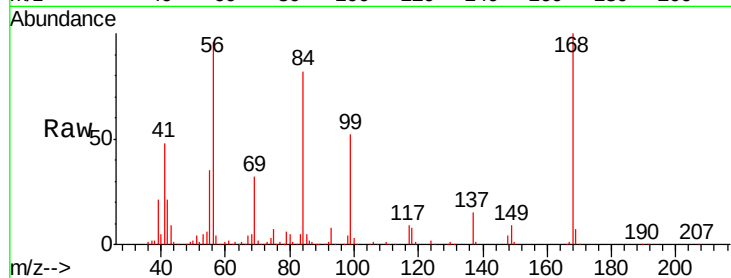
56 100

69 32.9 26.6 39.8

84 84.2 68.4 102.6

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#32

1,1,1-Trichloroethane

Concen: 51.540 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053148.D

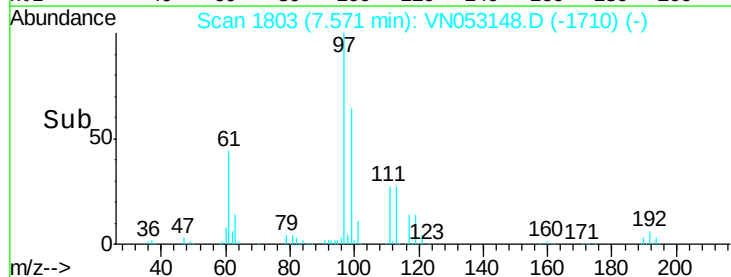
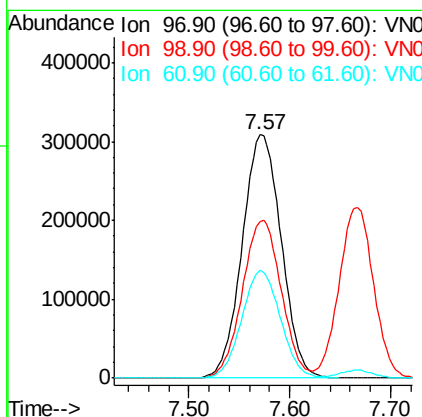
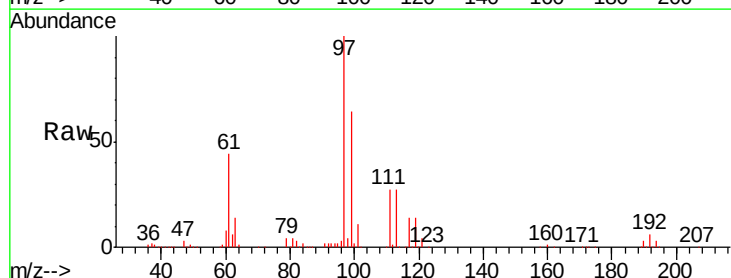
Acq: 22 Dec 2018 22:32

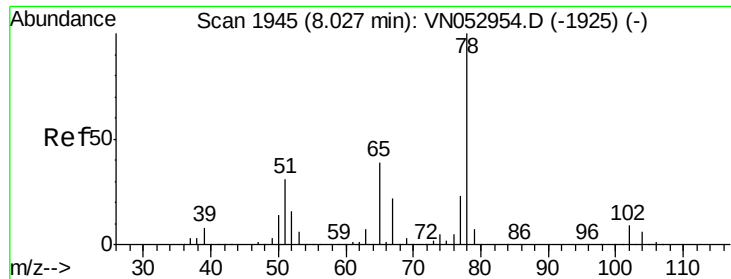
Tgt Ion: 97 Resp: 830824
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.7 35.0 52.6





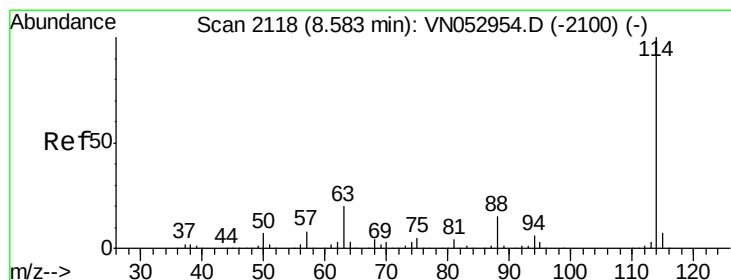
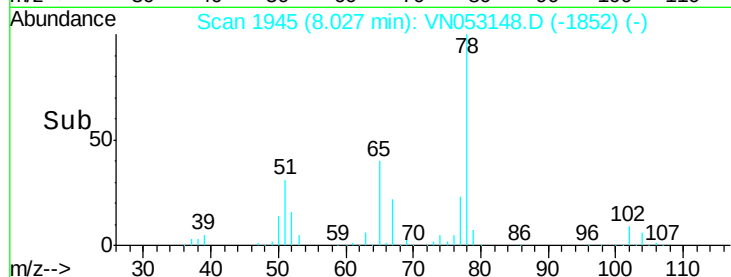
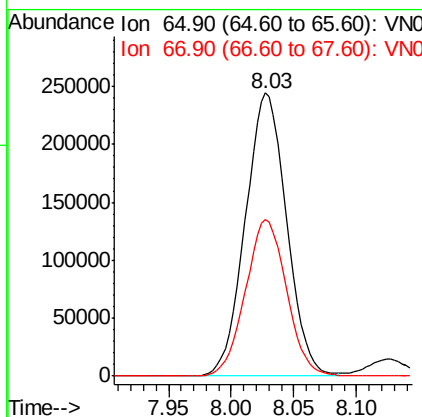
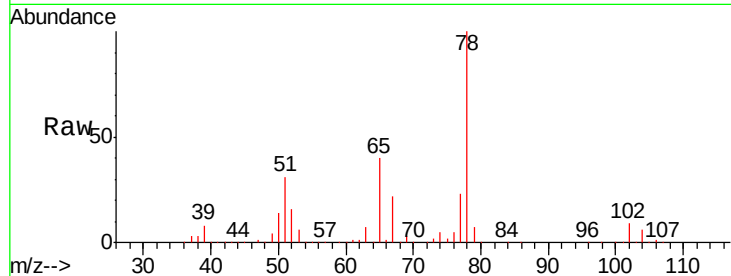
#33
 1,2-Dichloroethane-d4
 Concen: 51.540 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 559715
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4

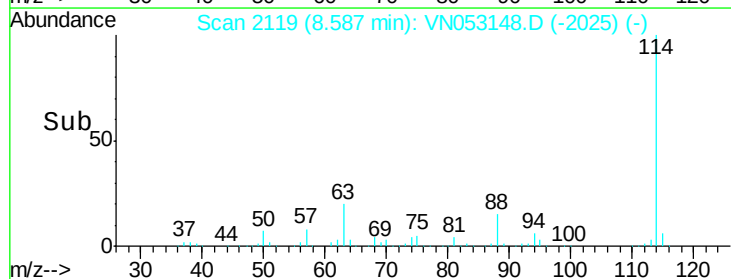
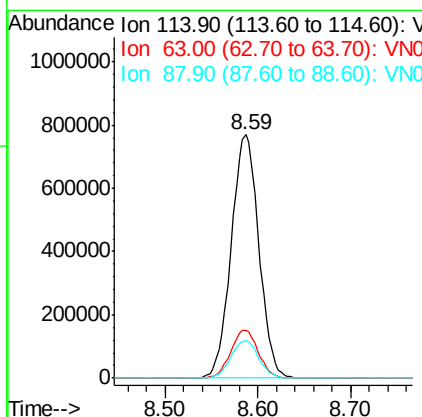
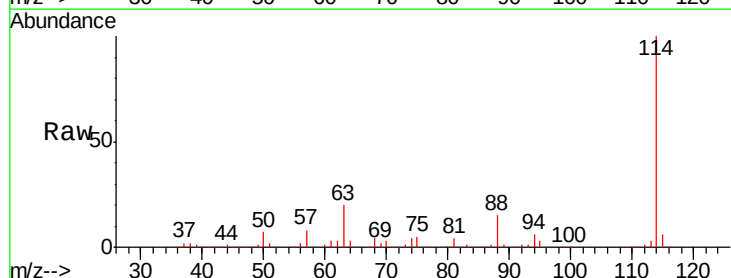
Manual Integrations
 APPROVED

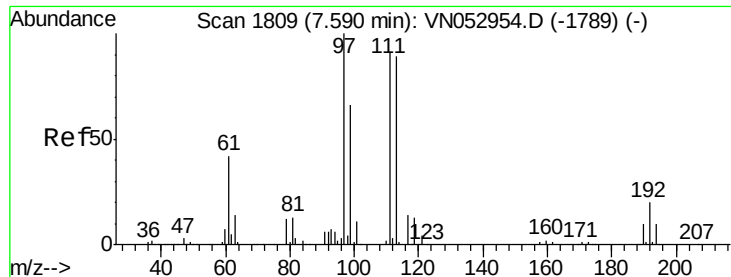
MMDadoda
 12/24/2018 9:10:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 114 Resp: 1587428
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 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: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

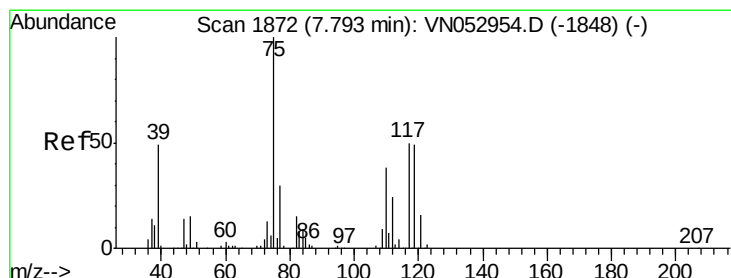
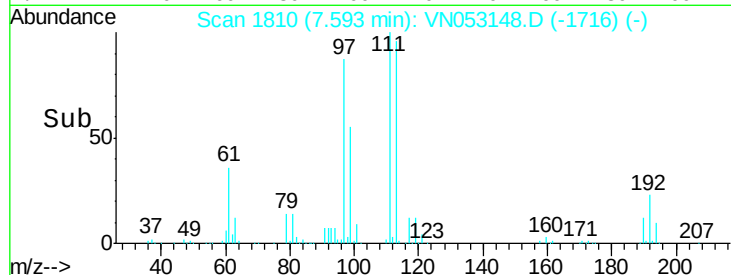
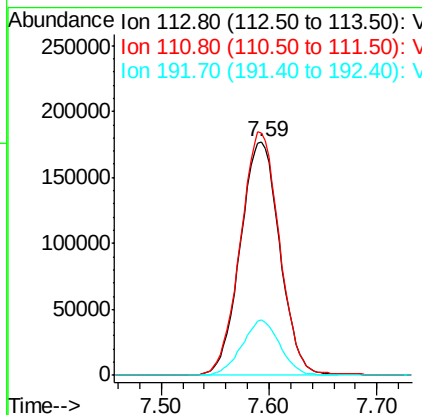
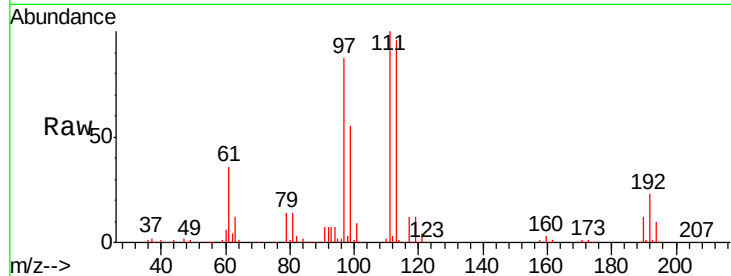
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	451073
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.0	124.4
192	22.8	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#36

1,1-Dichloropropene

Concen: 50.432 ug/l

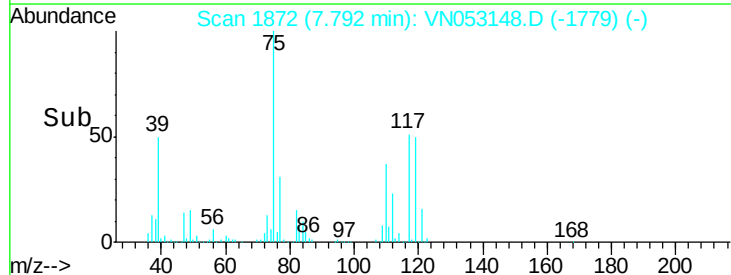
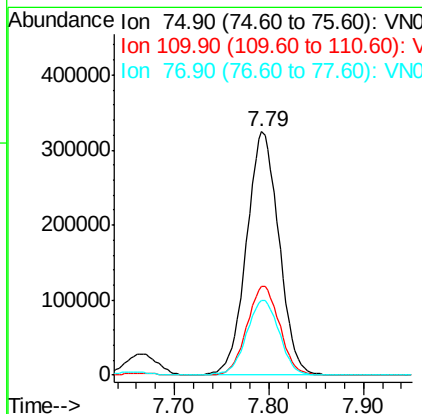
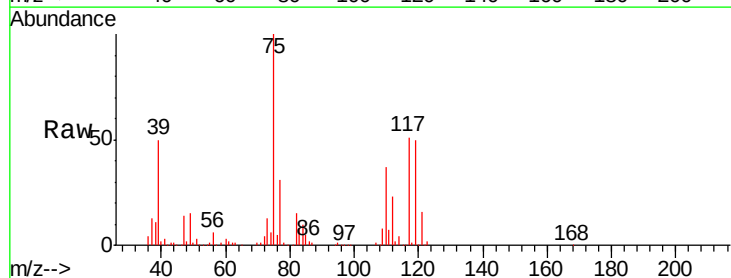
RT: 7.79 min Scan# 1872

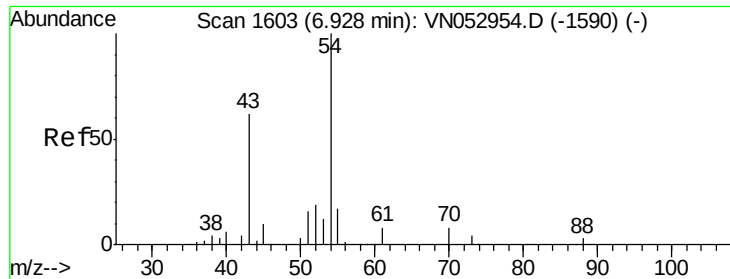
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	75	Resp:	768415
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.2	54.6
77	31.4	24.9	37.3





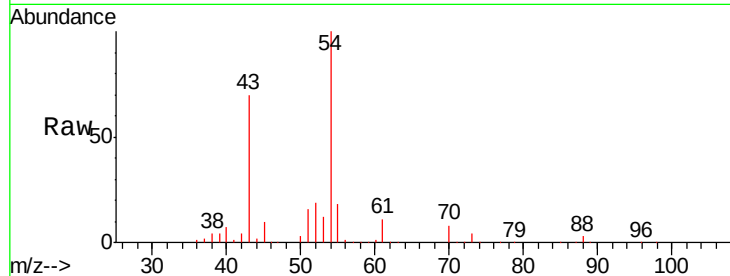
#37
Ethyl Acetate
Concen: 56.854 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

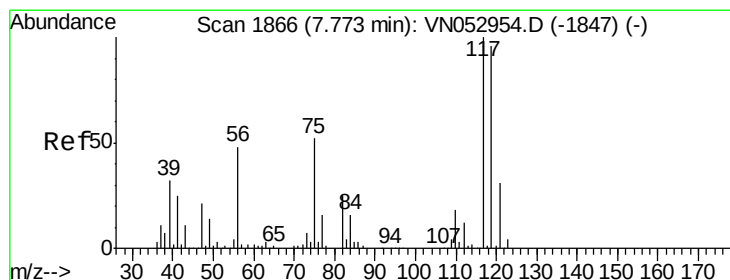
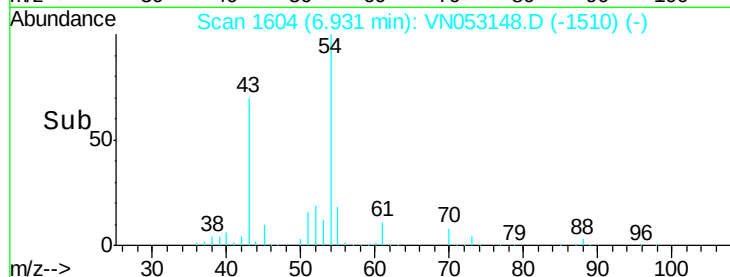
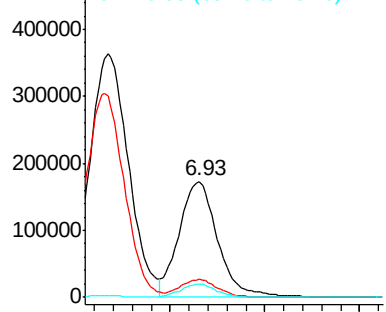
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	10.4	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM

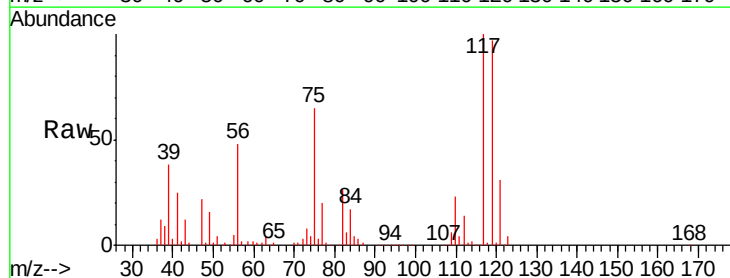


Abundance Ion 43.00 (42.70 to 43.70): VN053148.D (-1510) (-)

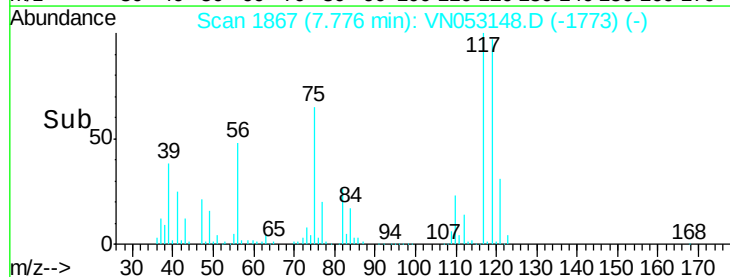
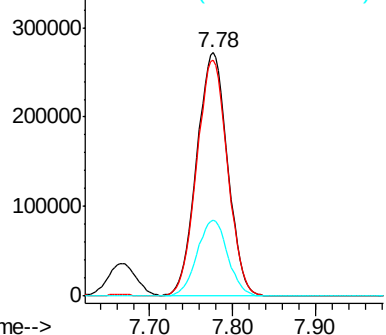


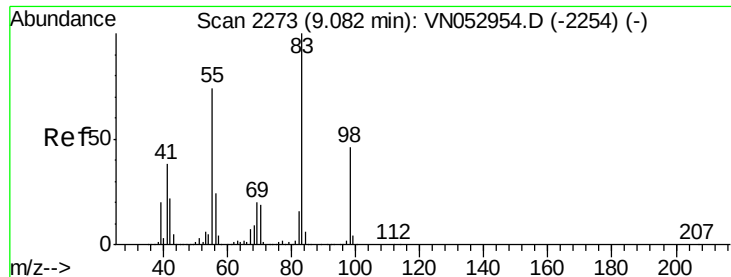
#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.1	115.7
121	31.2	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): VN053148.D (-1773) (-)





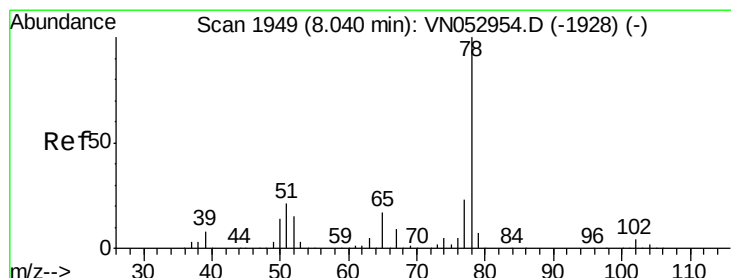
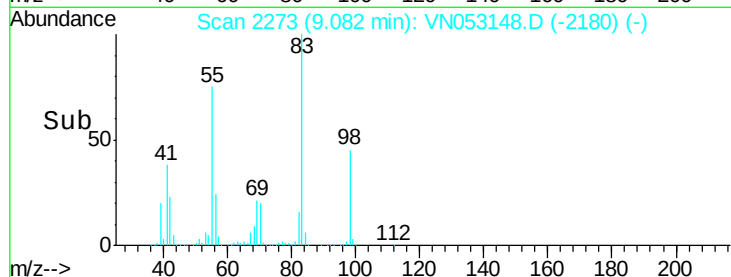
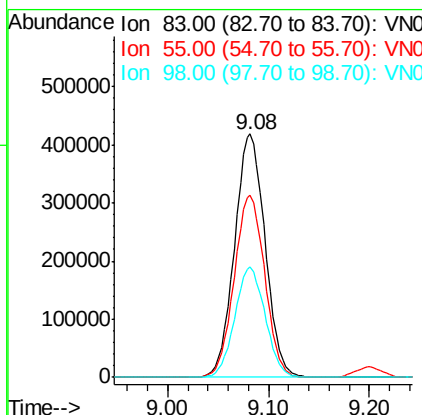
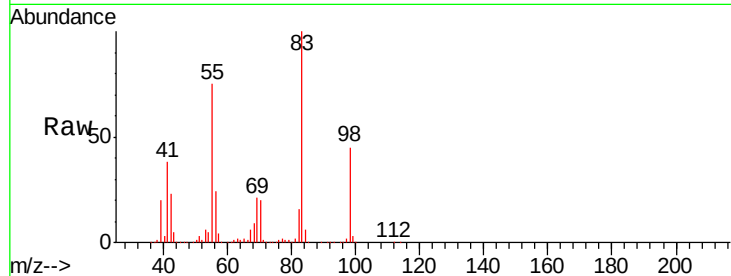
#39
Methylcyclohexane
Concen: 47.426 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	45.3	37.0	55.4

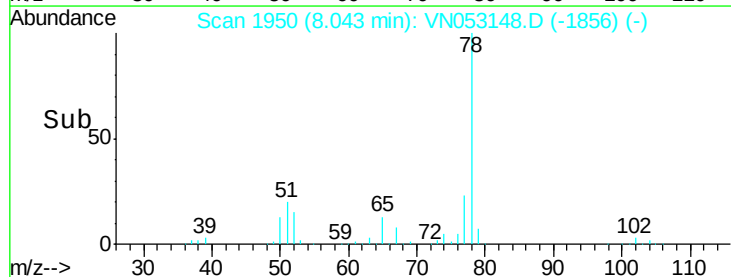
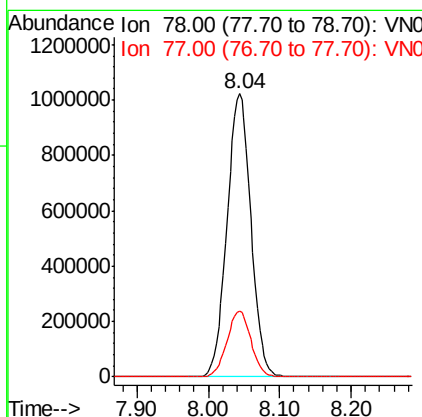
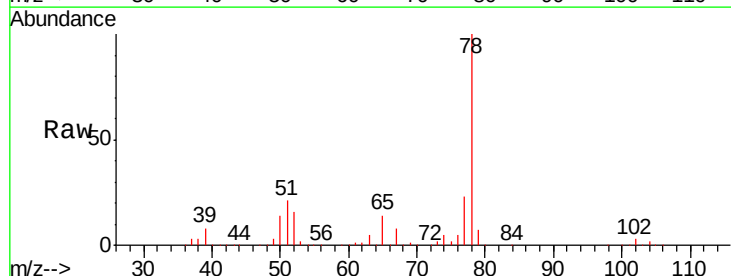
Manual Integrations
APPROVED

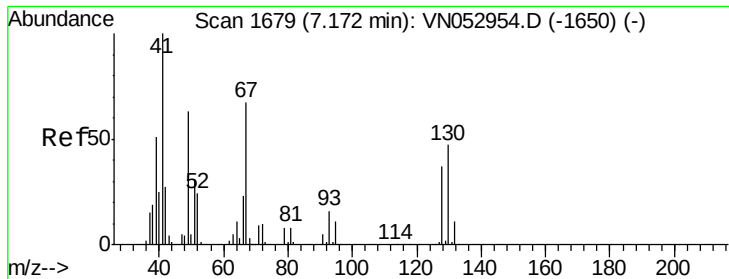
MMDadoda
12/24/2018 9:10:57 AM



#40
Benzene
Concen: 52.671 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





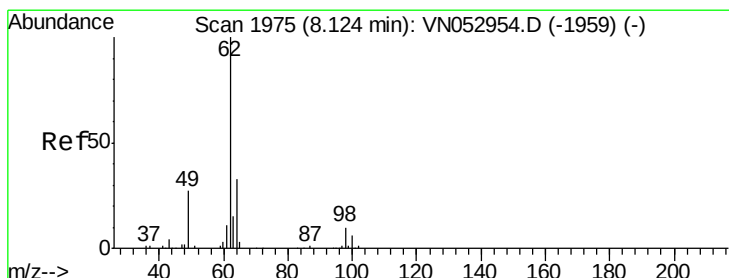
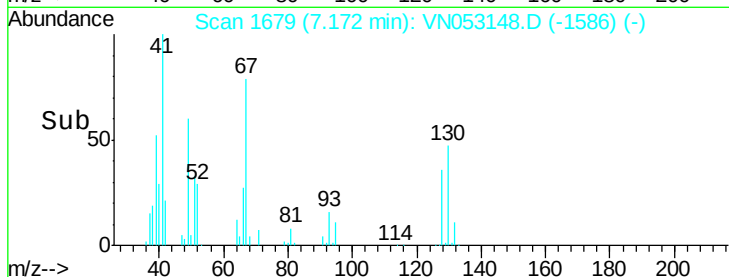
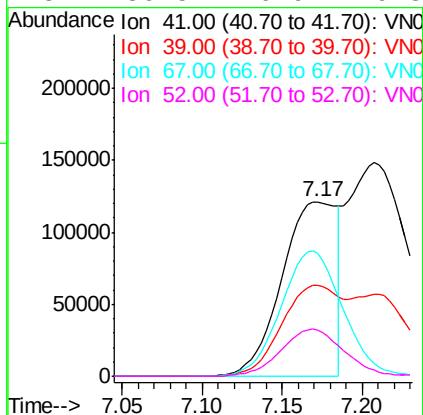
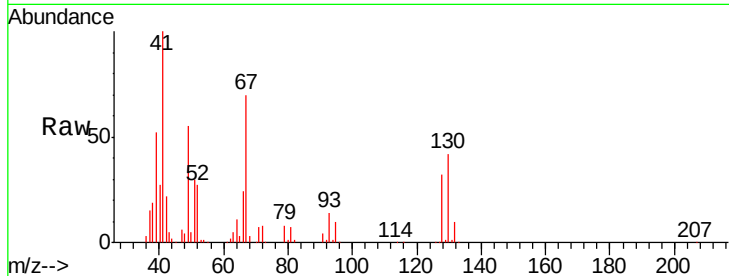
#41
Methacrylonitrile
Concen: 58.860 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.0	72.0
67	81.2	70.3	105.5
52	30.5	26.9	40.3

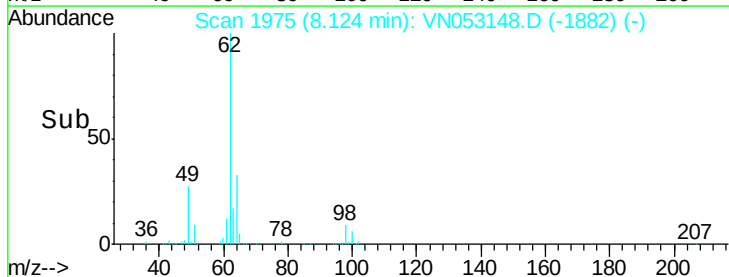
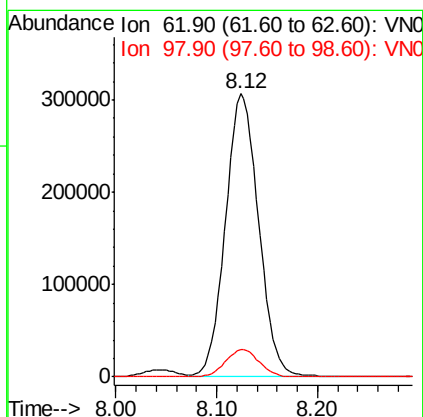
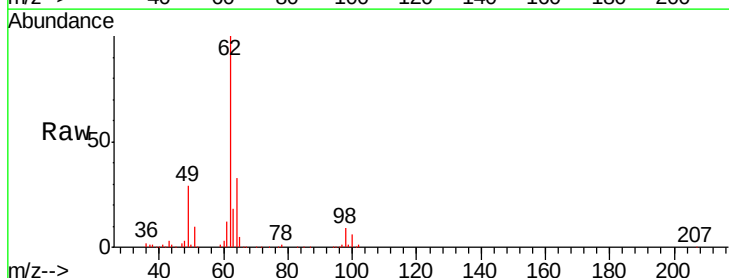
Manual Integrations
APPROVED

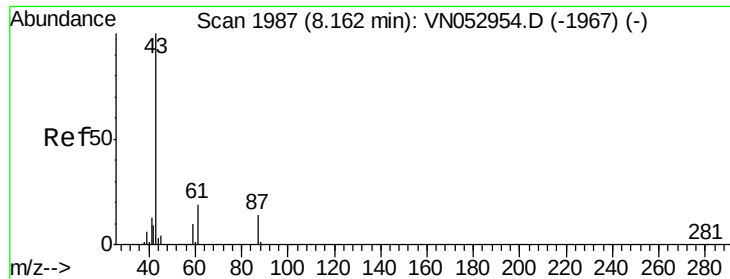
MMDadoda
12/24/2018 9:10:57 AM



#42
1,2-Dichloroethane
Concen: 52.249 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 55.135 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

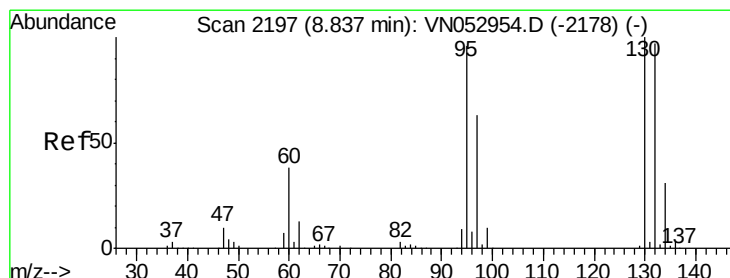
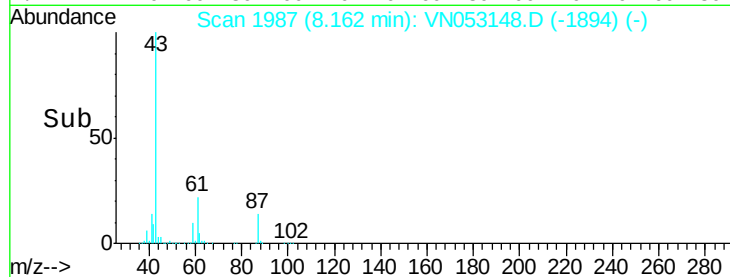
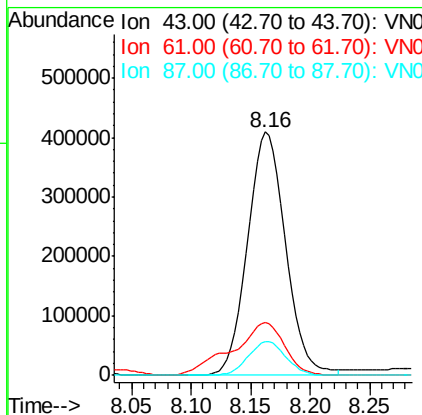
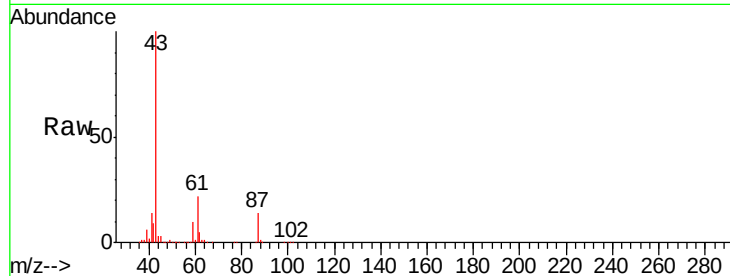
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	905769
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.8	10.6	15.8

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#44

Trichloroethene

Concen: 49.497 ug/l

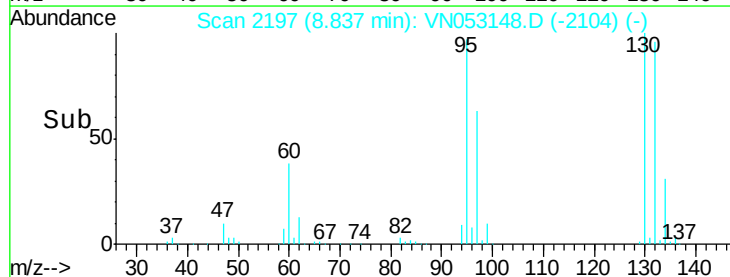
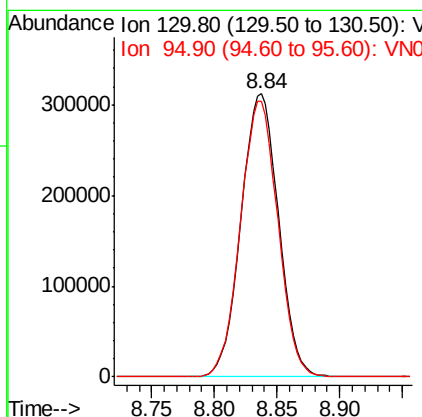
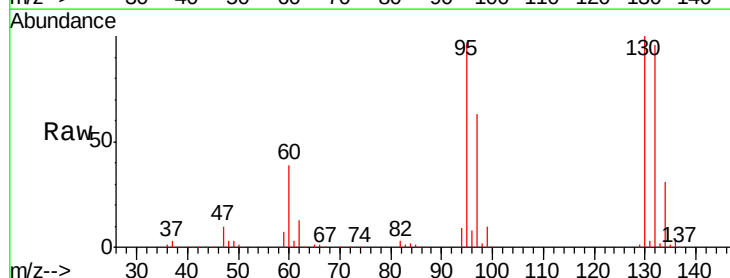
RT: 8.84 min Scan# 2197

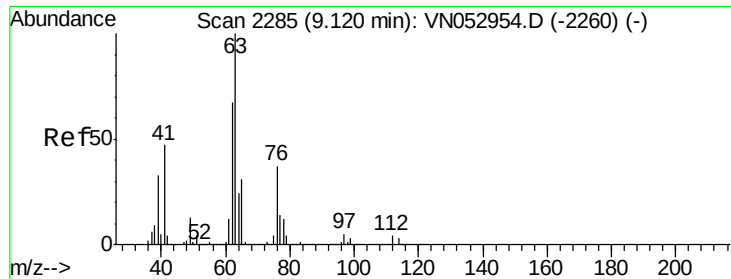
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	130	Resp:	648836
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	197.8





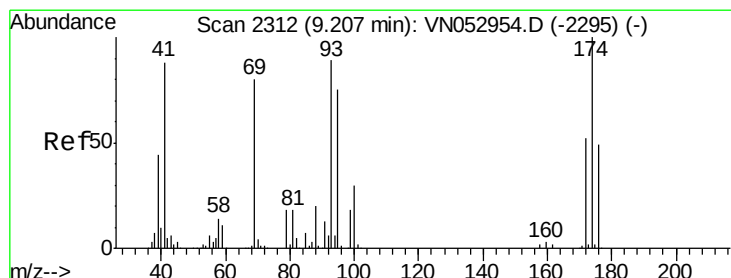
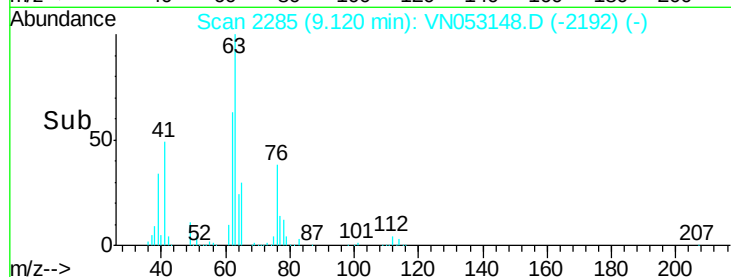
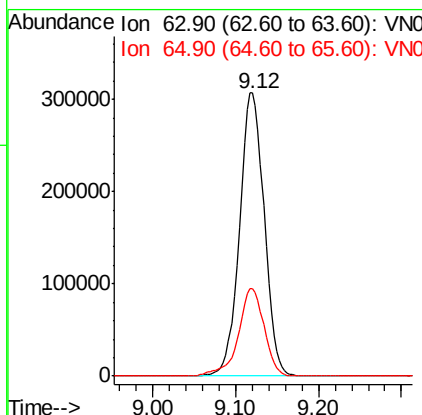
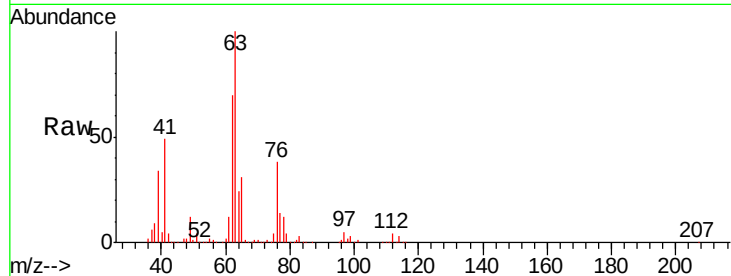
#45
 1,2-Dichloropropane
 Concen: 53.847 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 635657
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

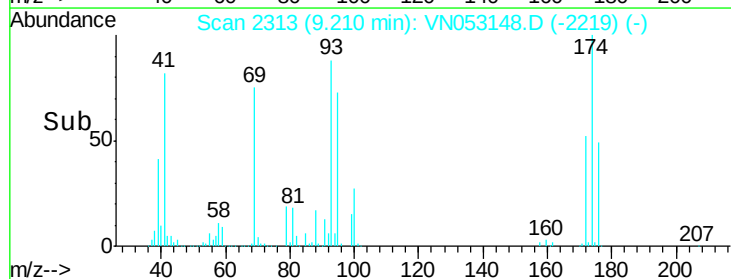
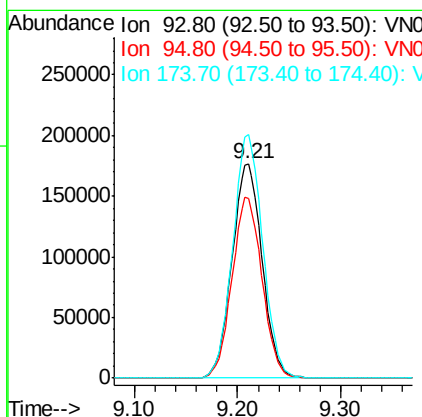
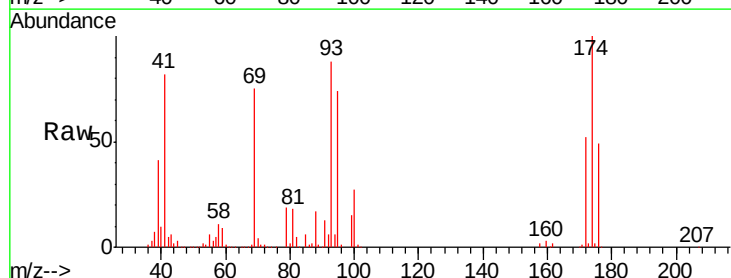
Manual Integrations
 APPROVED

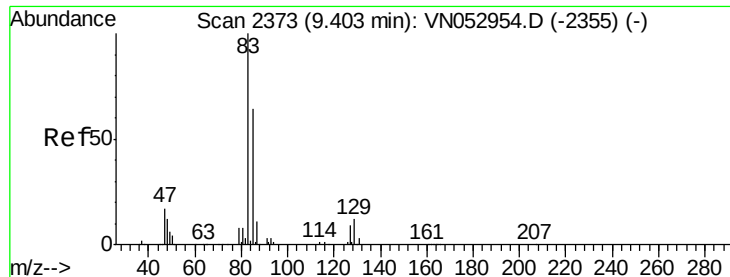
MMDadoda
 12/24/2018 9:10:57 AM



#46
 Dibromomethane
 Concen: 52.432 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 93 Resp: 360562
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 112.8 89.0 133.4





#47

Bromodichloromethane

Concen: 52.250 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

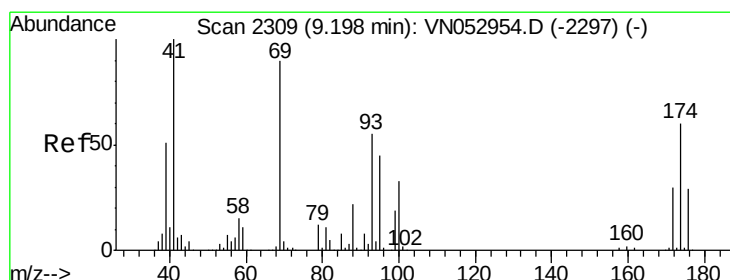
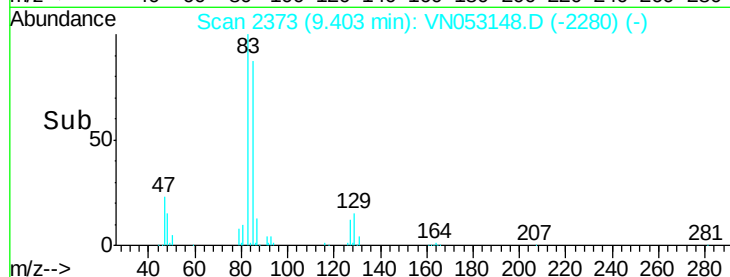
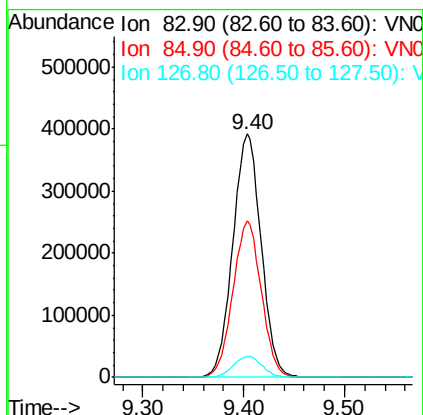
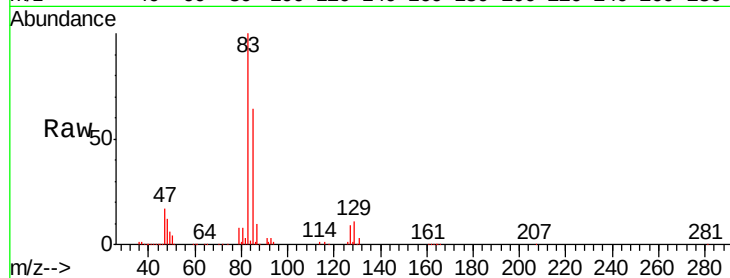
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	763780
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4
127	8.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#48

Methyl methacrylate

Concen: 57.919 ug/l

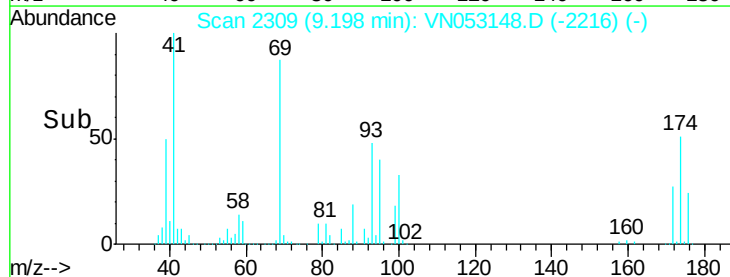
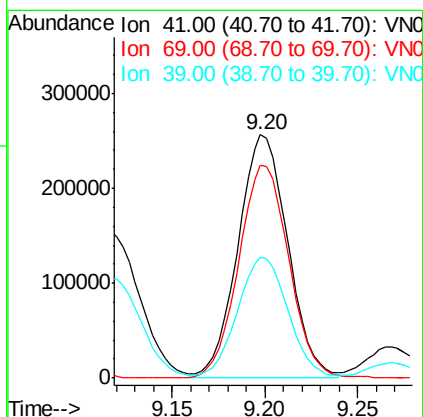
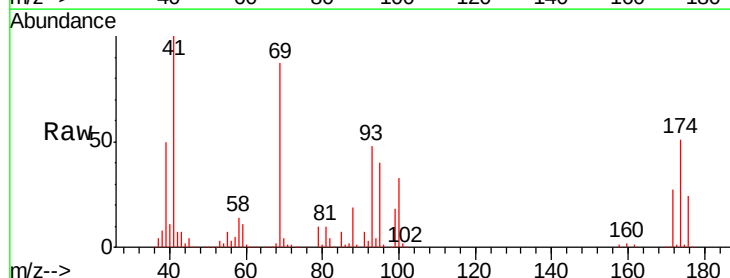
RT: 9.20 min Scan# 2309

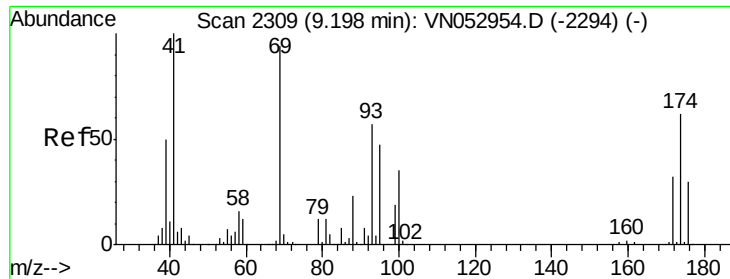
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	41	Resp:	478054
Ion	Ratio	Lower	Upper
41	100		
69	88.4	72.2	108.2
39	50.4	41.9	62.9





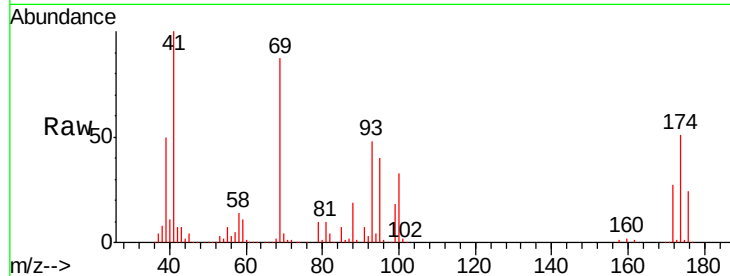
#49
1,4-Dioxane
Concen: 947.718 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	40.0
58	70.4	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM

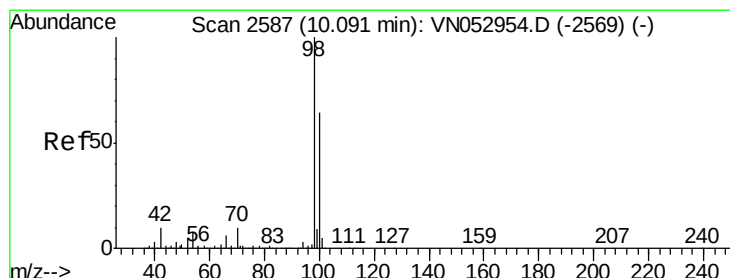
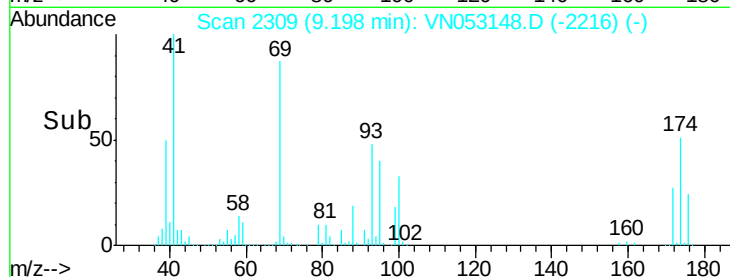
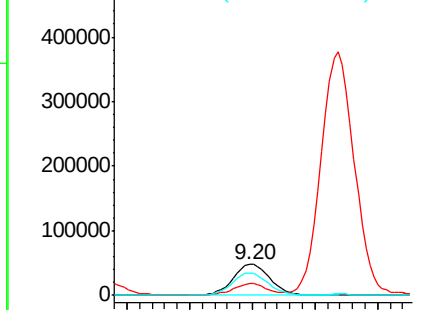


Abundance

Ion 88.00 (87.70 to 88.70): VN053148.D (-2216) (-)

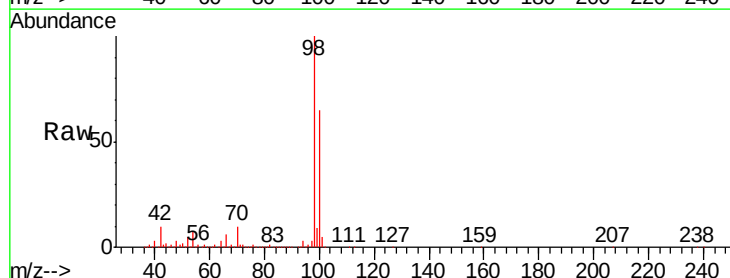
Ion 43.00 (42.70 to 43.70): VN053148.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053148.D (-2216) (-)



#50
Toluene-d8
Concen: 947.718 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

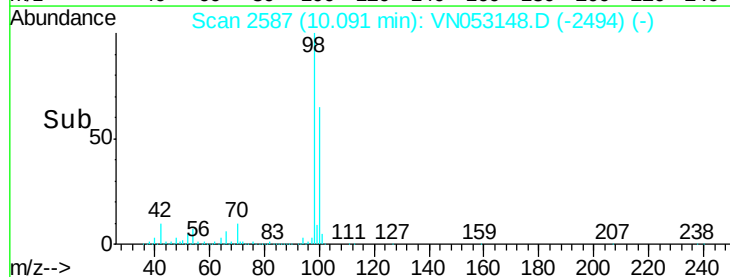
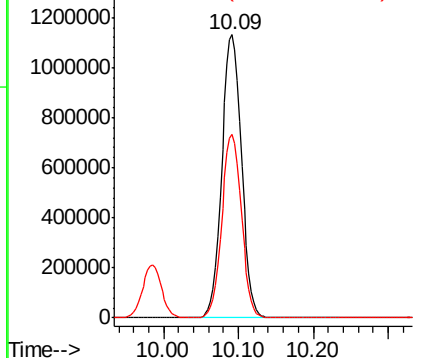
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4

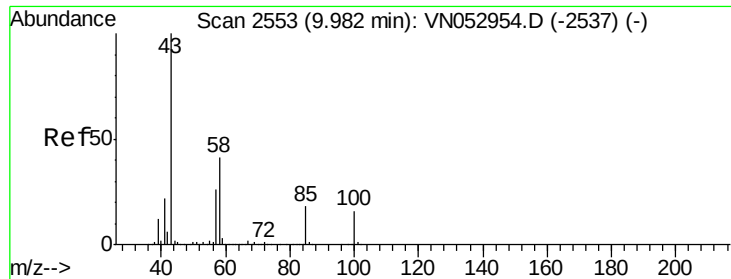


Abundance

Ion 98.00 (97.70 to 98.70): VN053148.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053148.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 294.343 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2424561

Ion Ratio Lower Upper

43 100

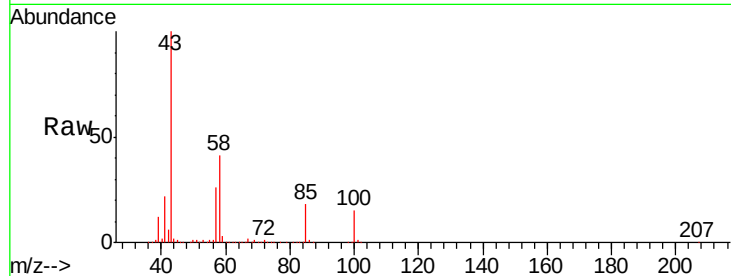
58 40.8 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

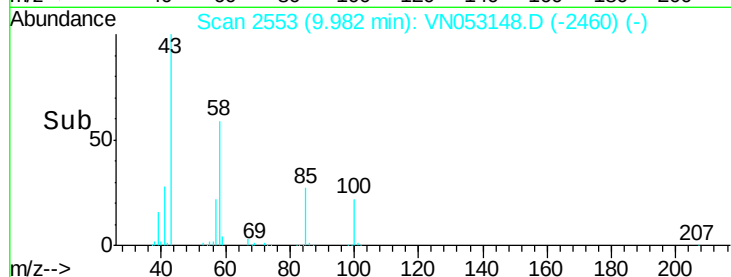
1500000

1000000

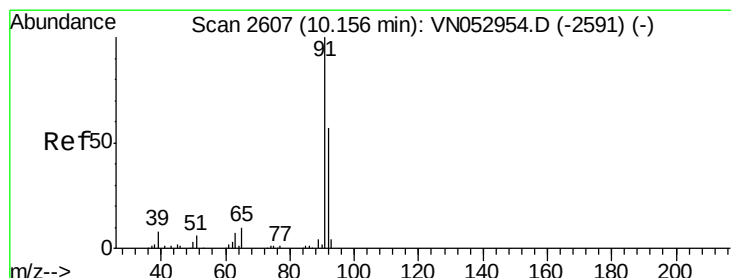
500000

0

9.90 10.00 10.10



Time-->



#52

Toluene

Concen: 52.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053148.D

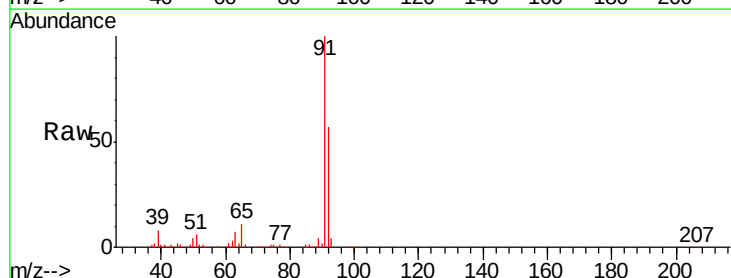
Acq: 22 Dec 2018 22:32

Tgt Ion: 92 Resp: 1483124

Ion Ratio Lower Upper

92 100

91 174.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

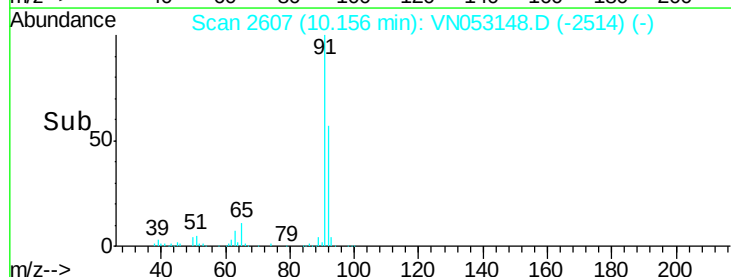
1500000

1000000

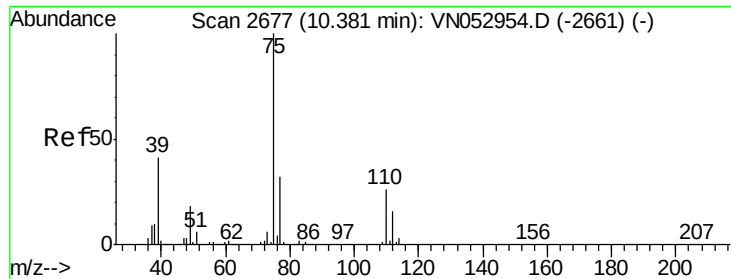
500000

0

10.10 10.20 10.30



Time-->



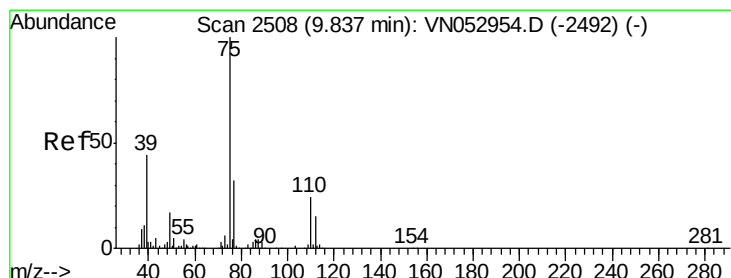
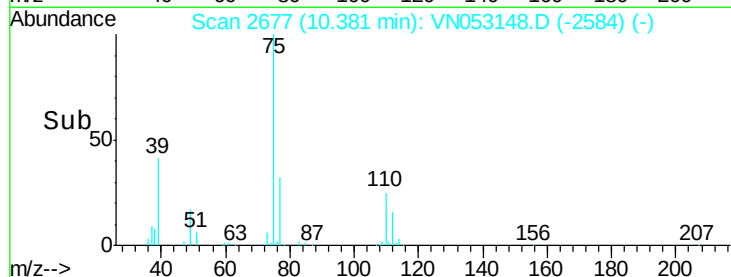
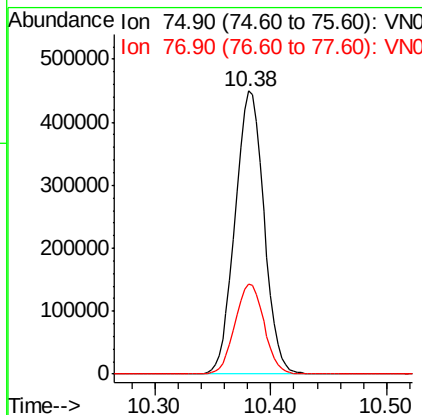
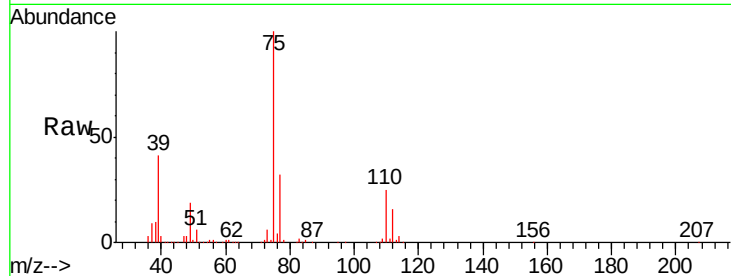
#53
t-1,3-Dichloropropene
Concen: 50.650 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 778554
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4

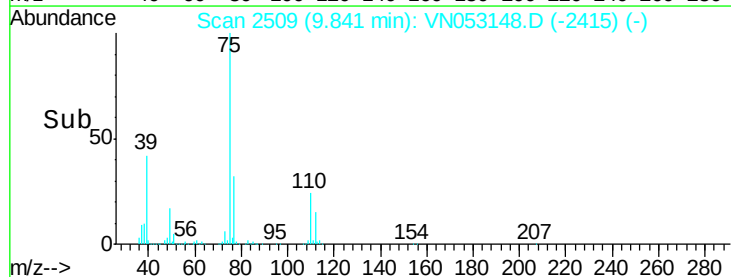
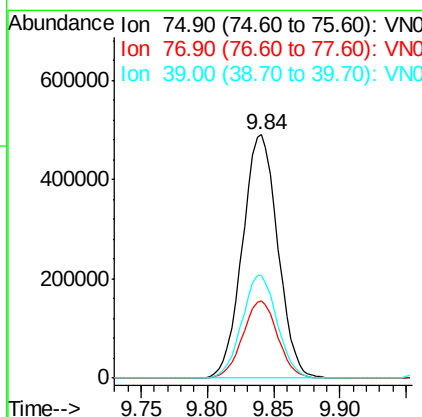
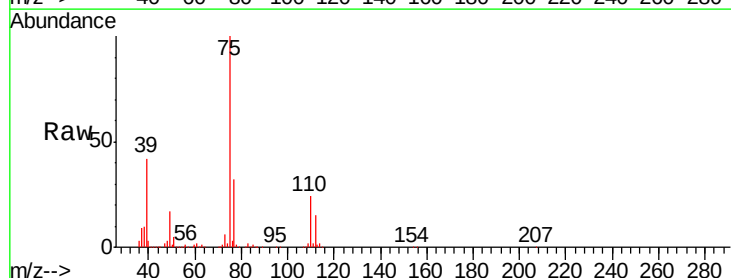
Manual Integrations
APPROVED

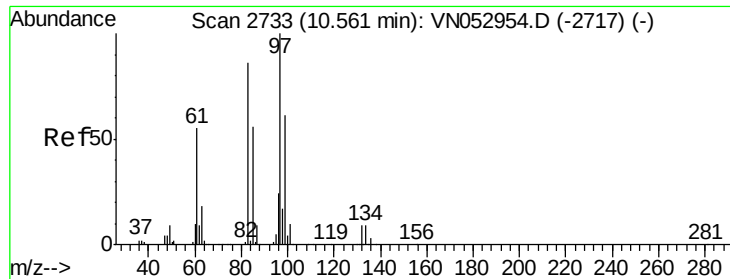
MMDadoda
12/24/2018 9:10:57 AM



#54
cis-1,3-Dichloropropene
Concen: 51.409 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 75 Resp: 907048
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
39 42.1 34.8 52.2





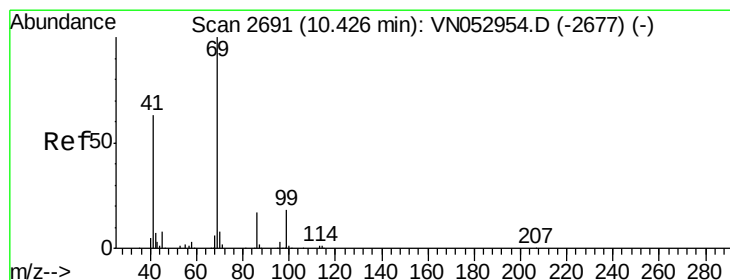
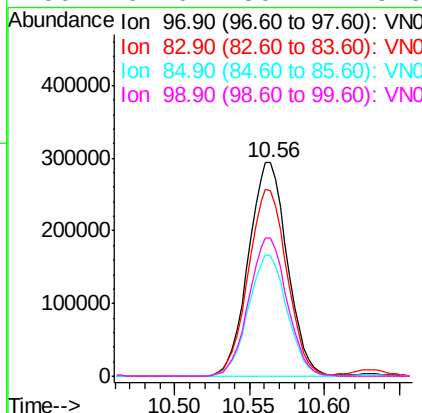
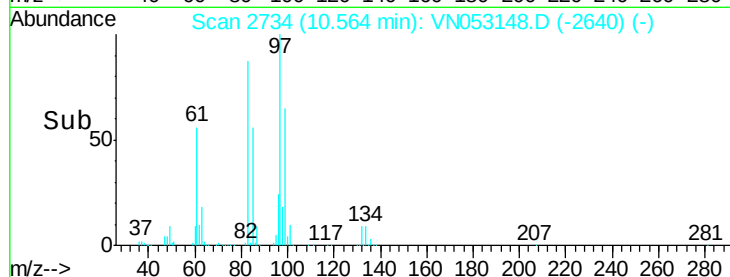
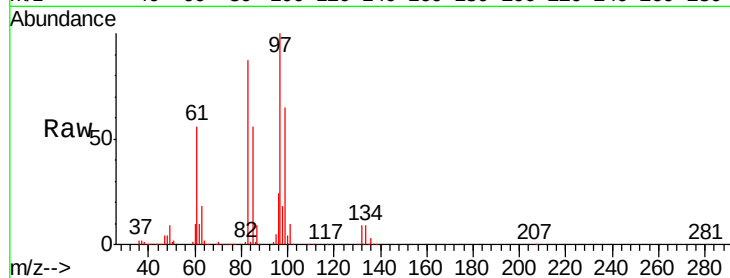
#55
 1,1,2-Trichloroethane
 Concen: 54.017 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	56.3	45.4	68.2
99	64.6	50.4	75.6

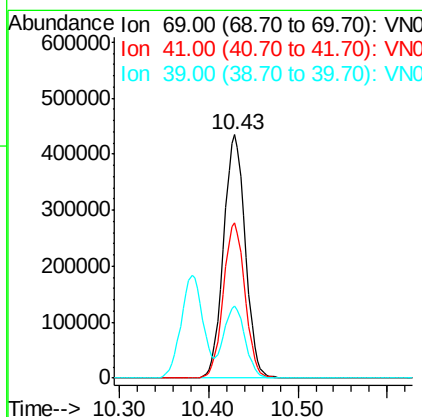
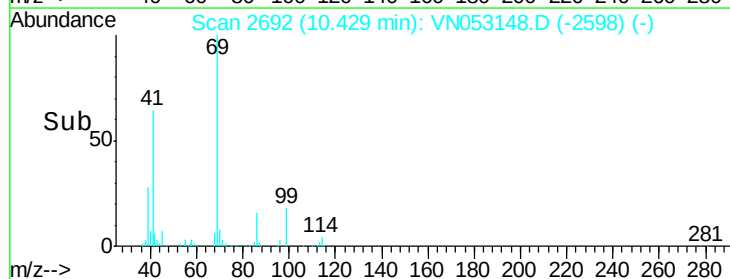
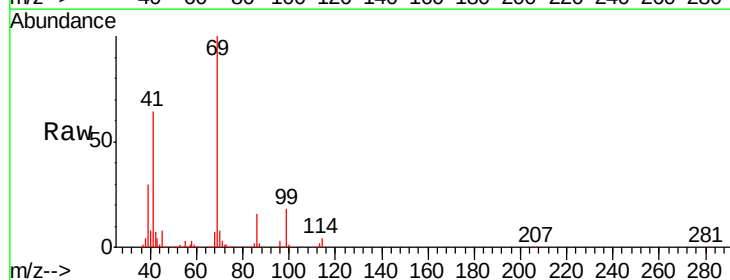
Manual Integrations
 APPROVED

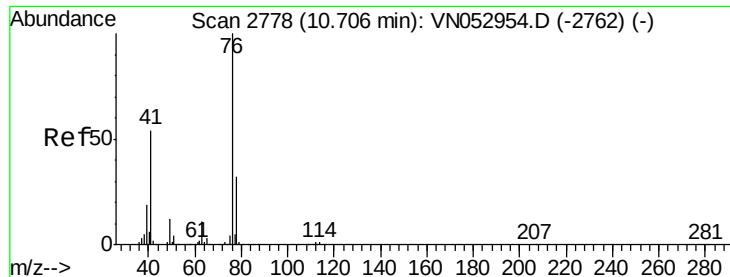
MMDadoda
 12/24/2018 9:10:57 AM



#56
 Ethyl methacrylate
 Concen: 56.470 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.1	24.6	37.0





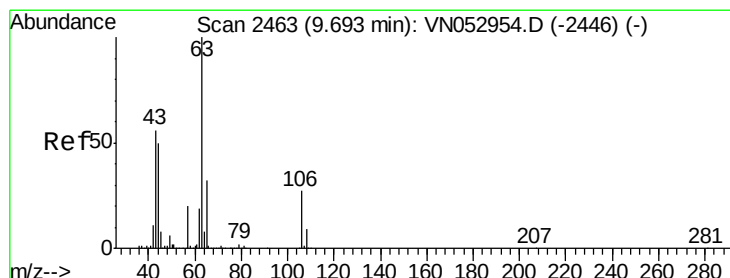
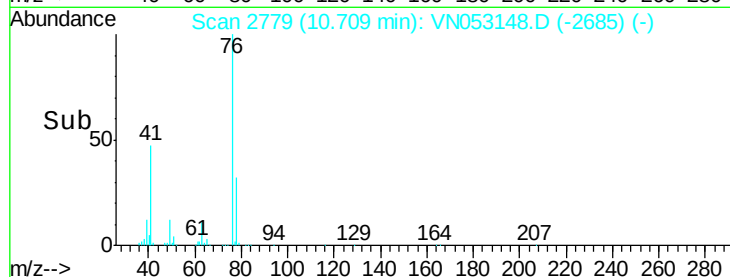
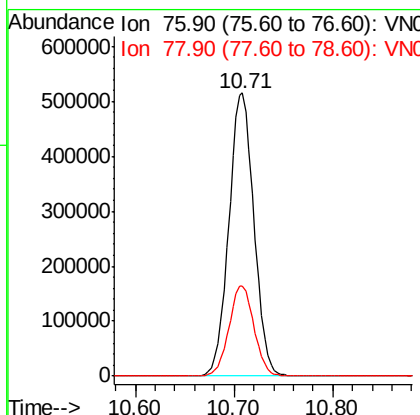
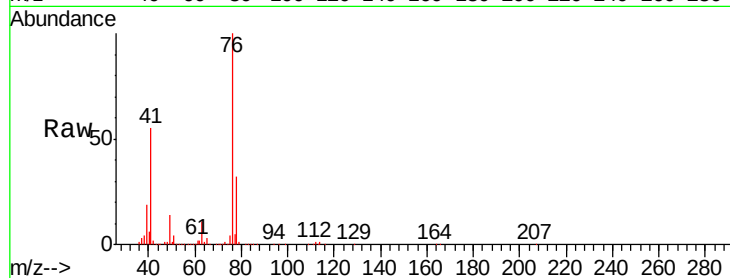
#57
 1,3-Dichloropropane
 Concen: 54.450 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 915058
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

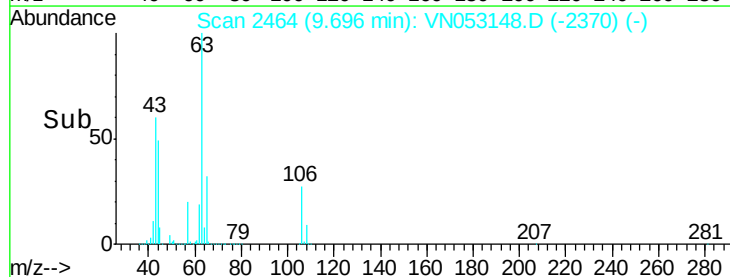
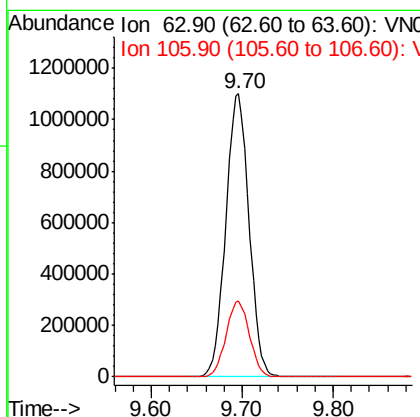
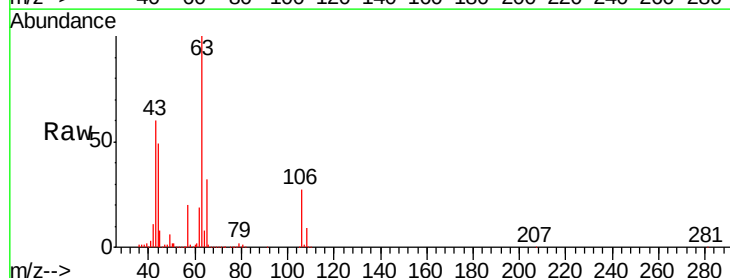
Manual Integrations
 APPROVED

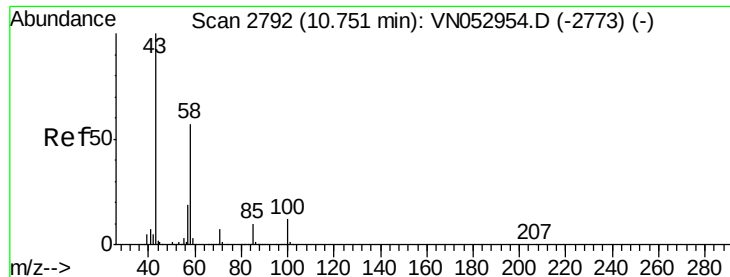
MMDadoda
 12/24/2018 9:10:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.062 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 63 Resp: 1951665
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.0 31.6





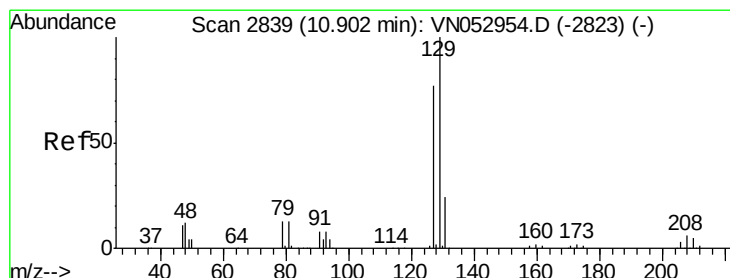
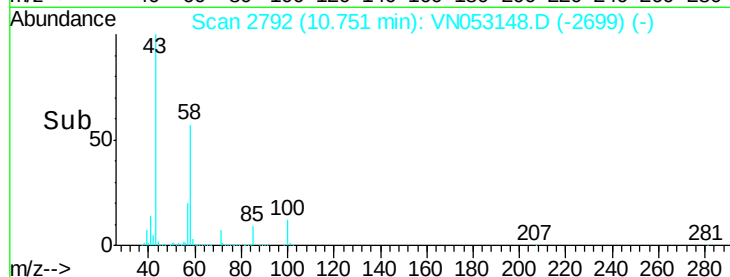
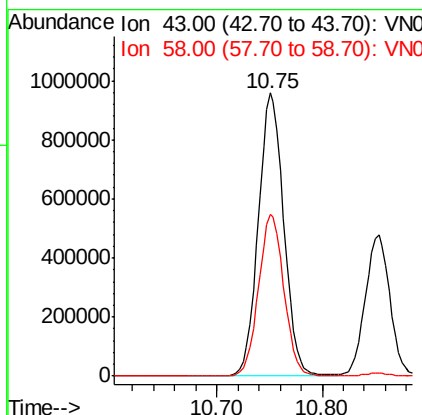
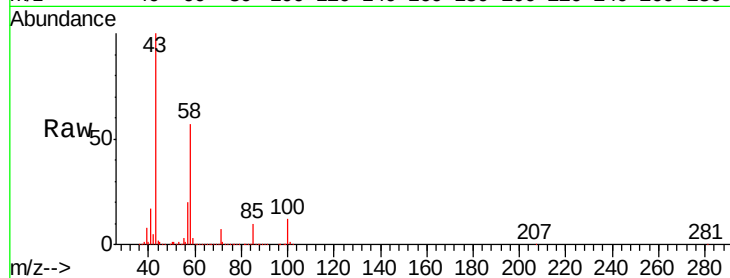
#59
2-Hexanone
Concen: 289.318 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1612412
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3

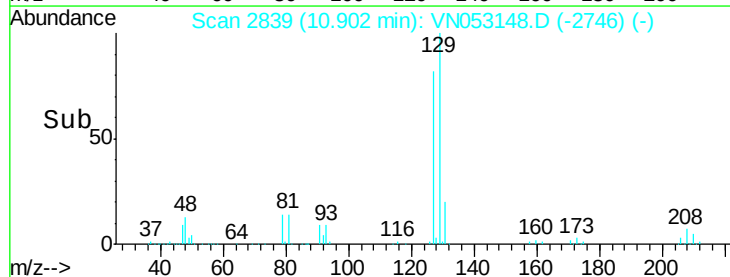
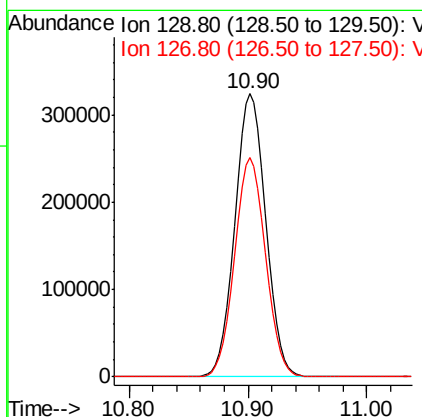
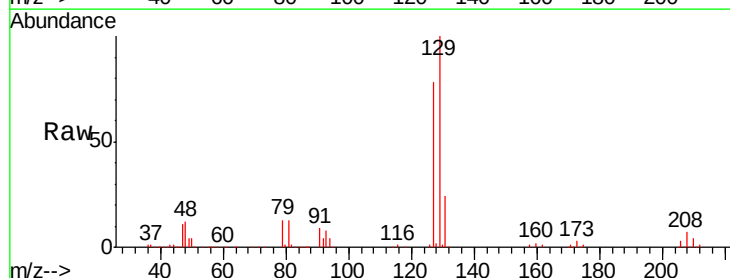
Manual Integrations
APPROVED

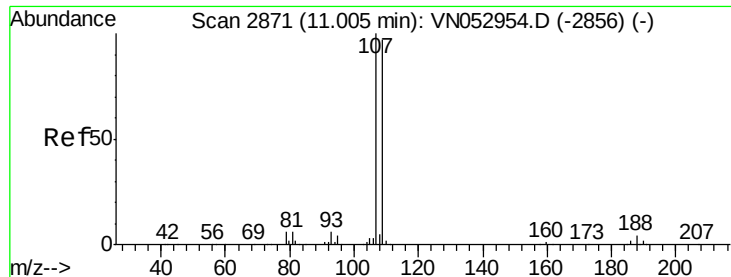
MMDadoda
12/24/2018 9:10:57 AM



#60
Dibromochloromethane
Concen: 51.890 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 129 Resp: 582095
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





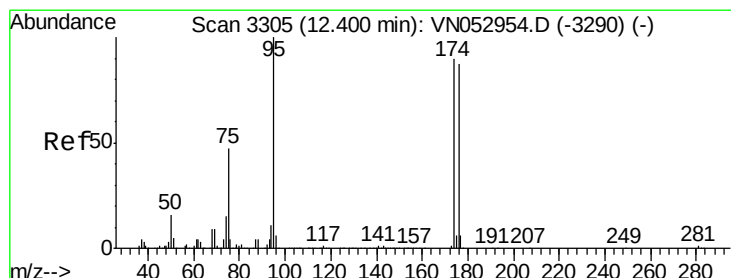
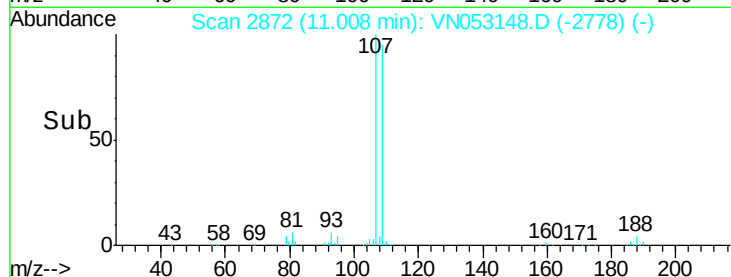
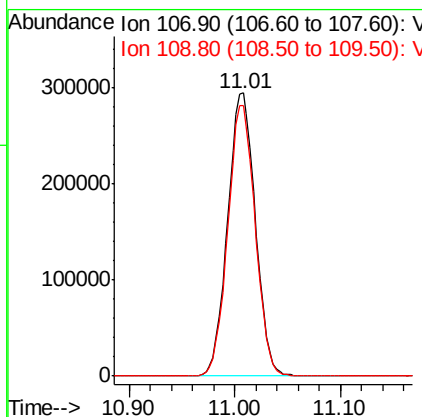
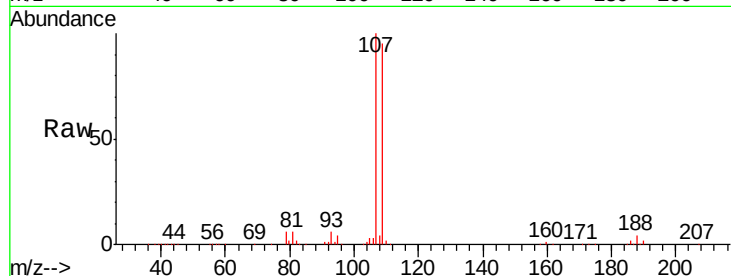
#61
 1,2-Dibromoethane
 Concen: 53.451 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 532003
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.0

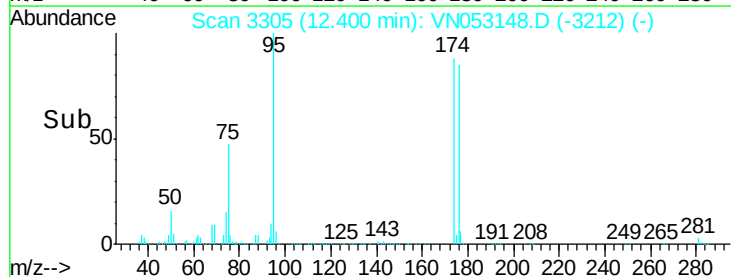
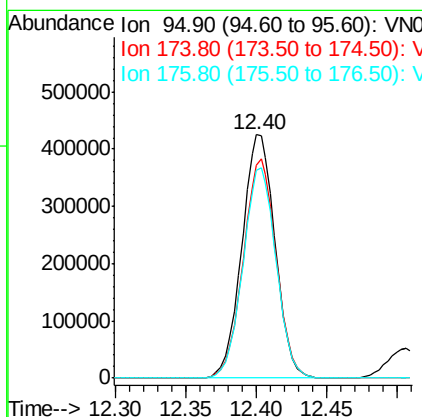
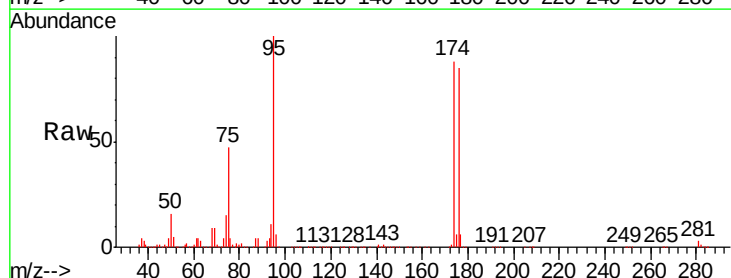
Manual Integrations
 APPROVED

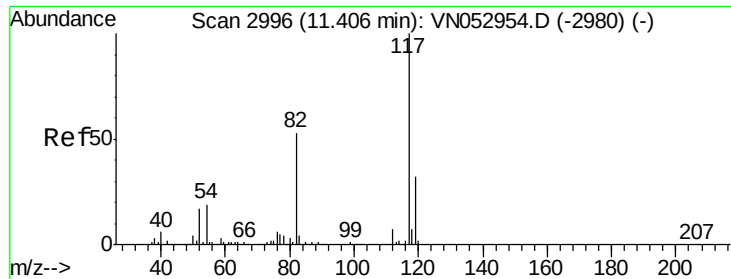
MMDadoda
 12/24/2018 9:10:57 AM



#62
 4-Bromofluorobenzene
 Concen: 53.451 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 95 Resp: 701037
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.8
 176 86.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

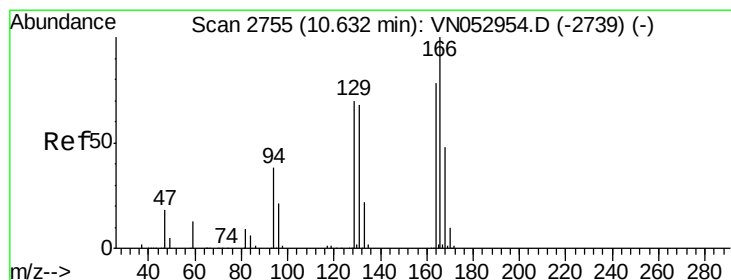
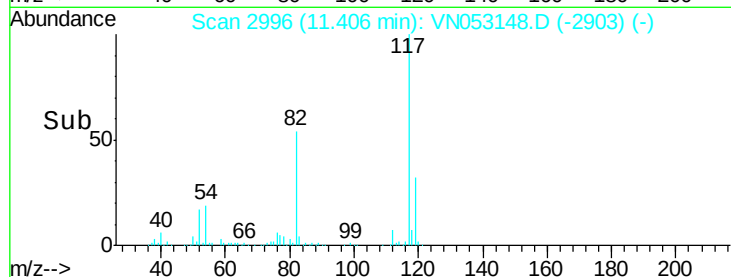
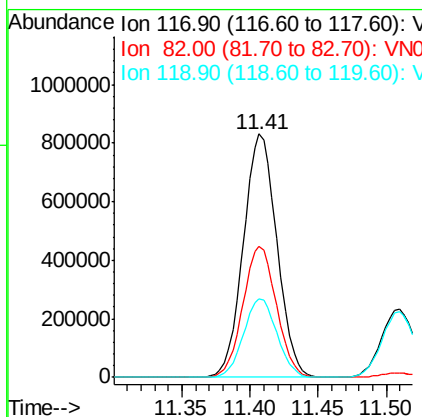
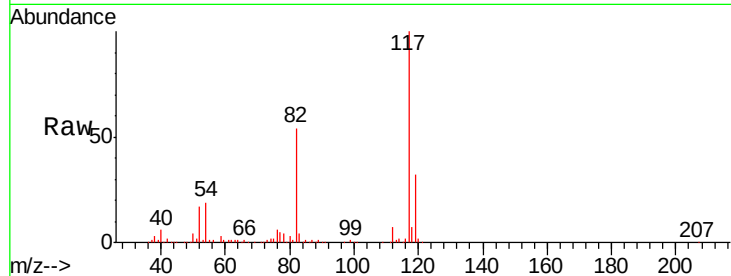
ClientSampleId :

VSTDCCC050

Tgt Ion:	117	Resp:	1416101
Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	32.3	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#64

Tetrachloroethene

Concen: 46.623 ug/l

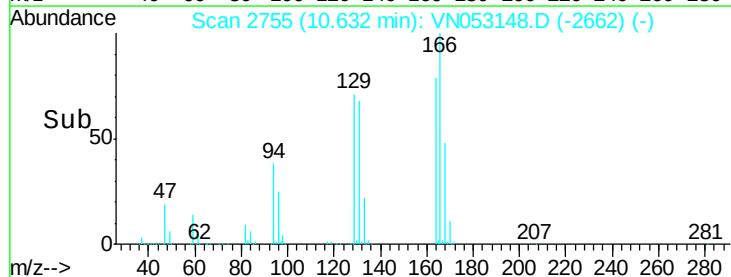
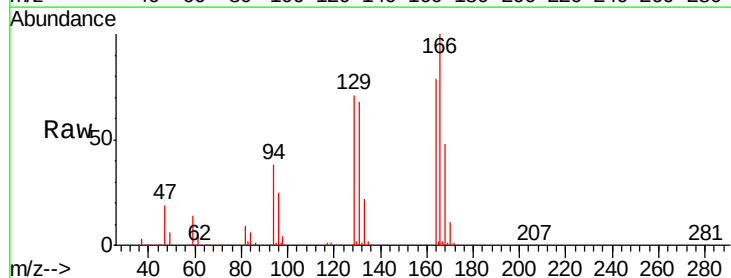
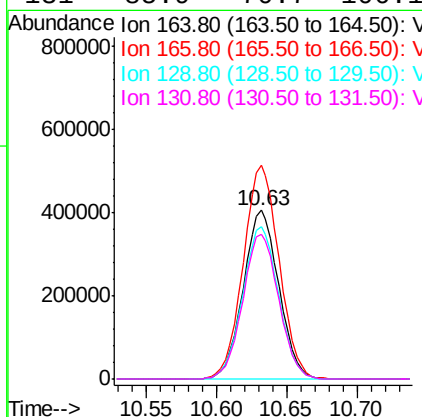
RT: 10.63 min Scan# 2755

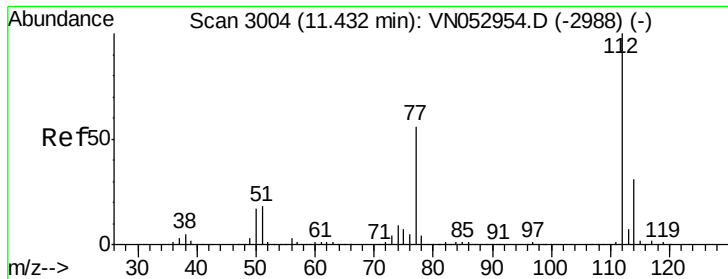
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	164	Resp:	715174
Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.9	154.3
129	90.2	73.7	110.5
131	85.9	70.7	106.1





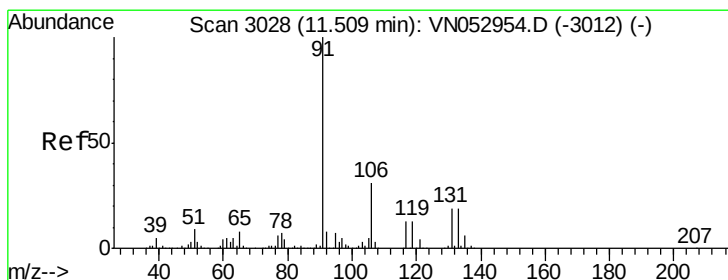
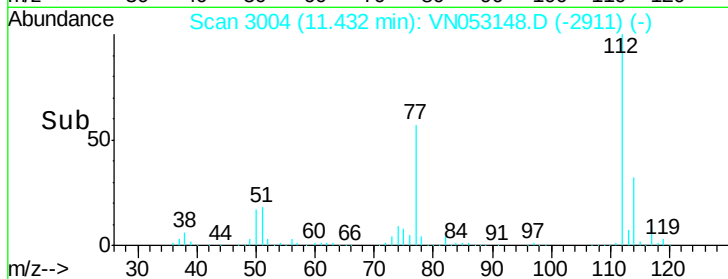
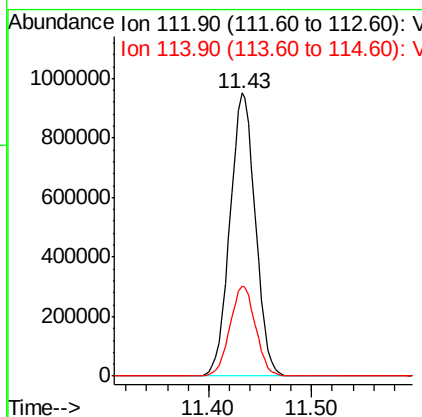
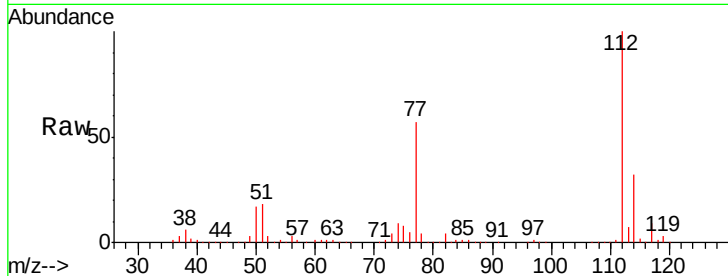
#65
Chlorobenzene
Concen: 51.933 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1630224
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

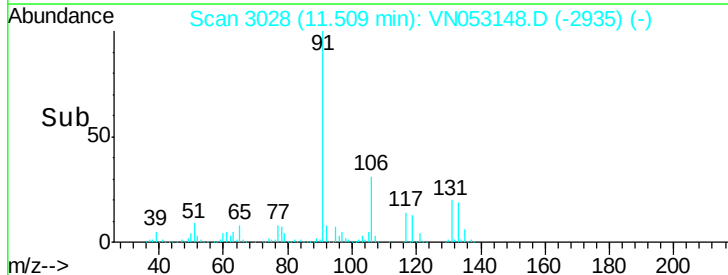
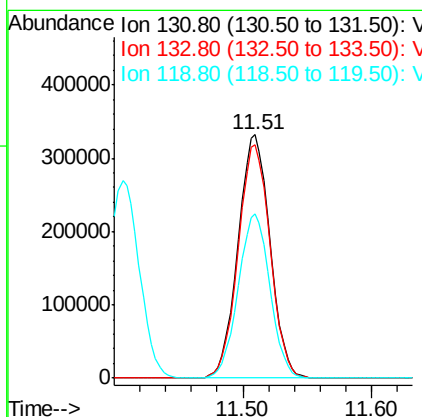
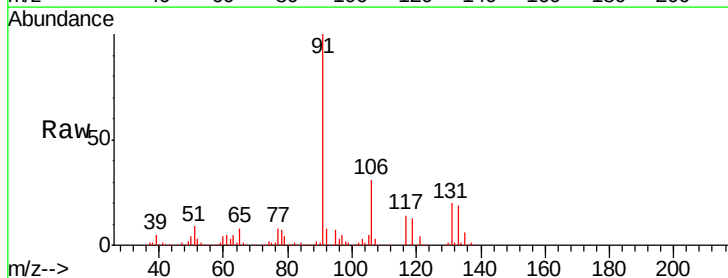
Manual Integrations
APPROVED

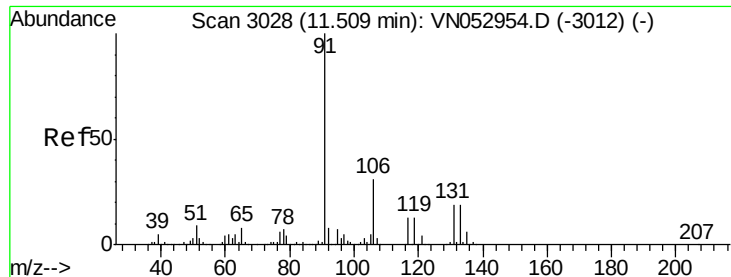
MMDadoda
12/24/2018 9:10:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.386 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:131 Resp: 571856
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 52.098 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2812458

Ion Ratio Lower Upper

91 100

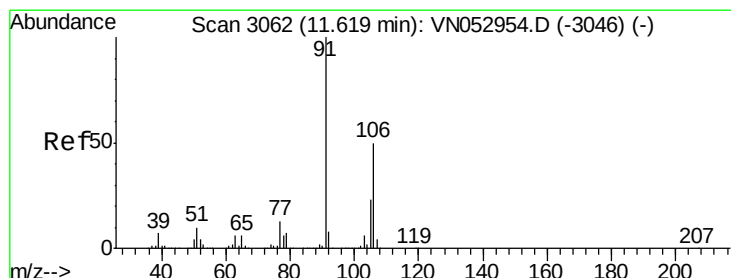
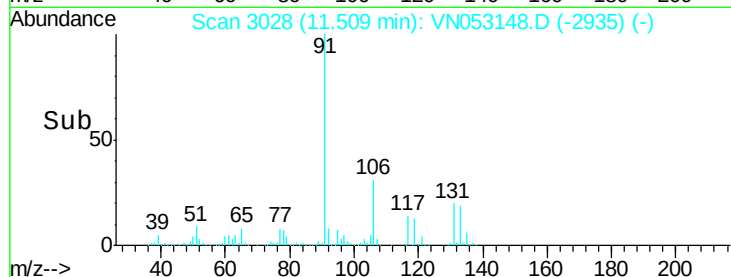
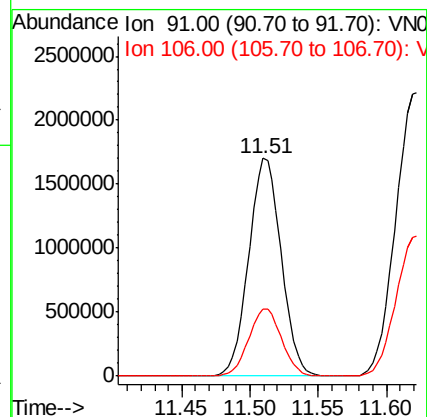
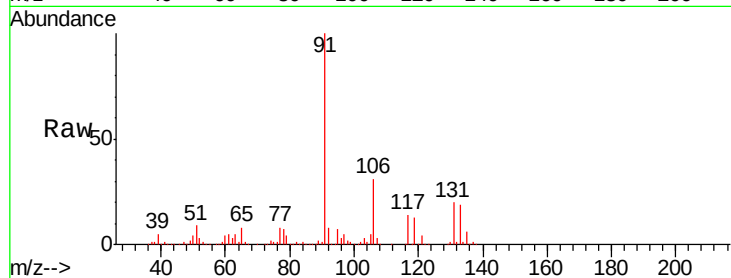
106 31.1 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



#68

m/p-Xylenes

Concen: 102.096 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053148.D

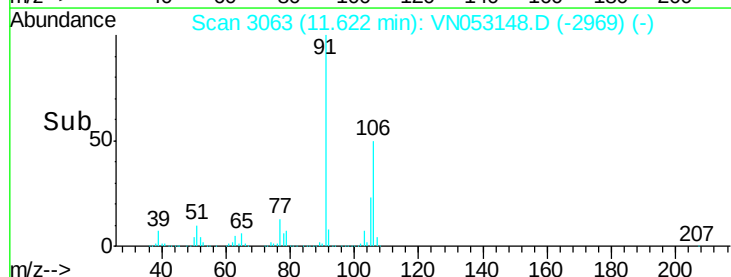
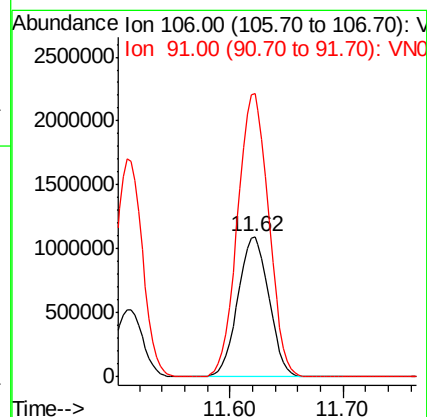
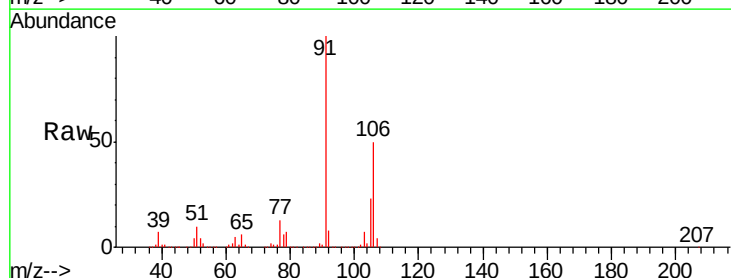
Acq: 22 Dec 2018 22:32

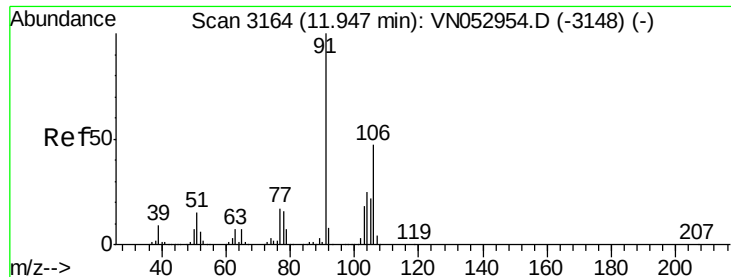
Tgt Ion: 106 Resp: 2095260

Ion Ratio Lower Upper

106 100

91 202.8 162.2 243.4





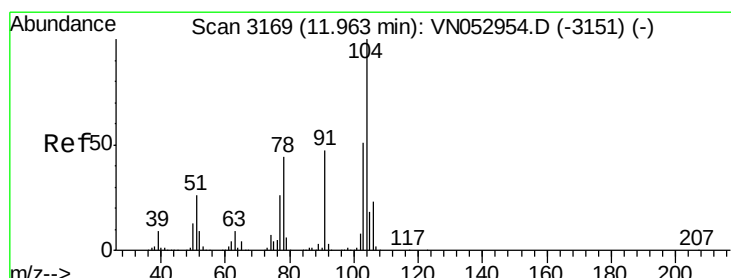
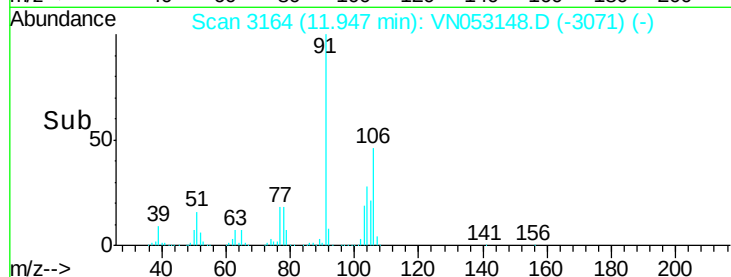
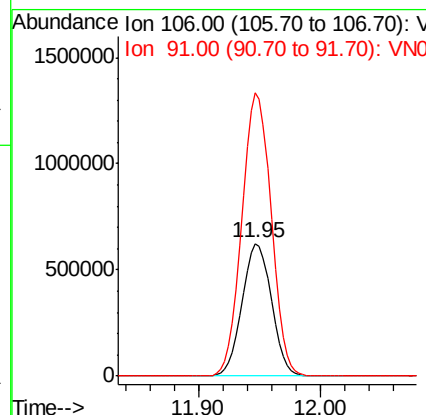
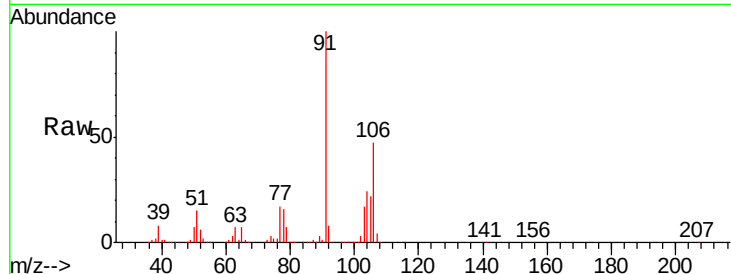
#69
o-Xylene
Concen: 52.702 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1037866
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8

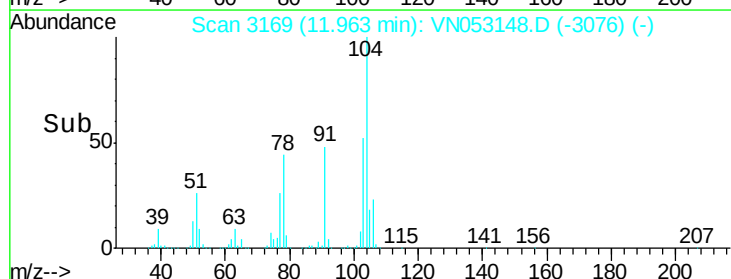
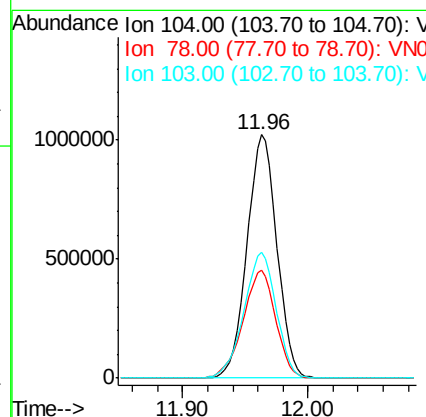
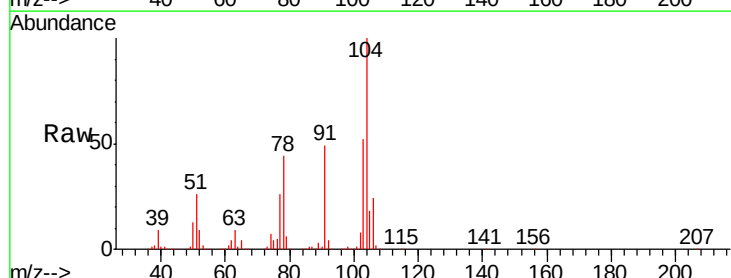
Manual Integrations
APPROVED

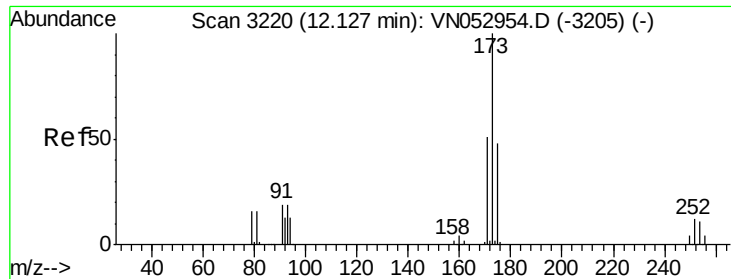
MMDadoda
12/24/2018 9:10:57 AM



#70
Styrene
Concen: 52.819 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:104 Resp: 1696101
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.7 44.3 66.5





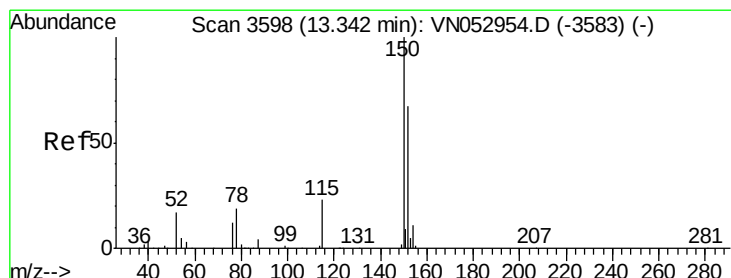
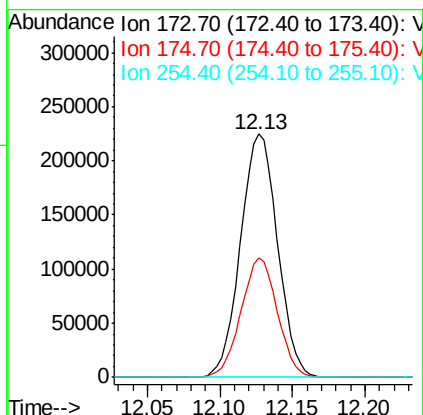
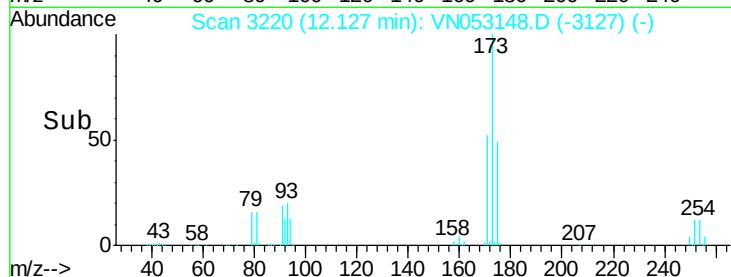
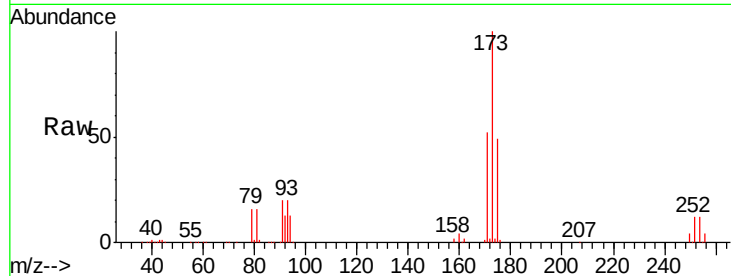
#71
Bromoform
Concen: 50.698 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.1	0.1	0.1#

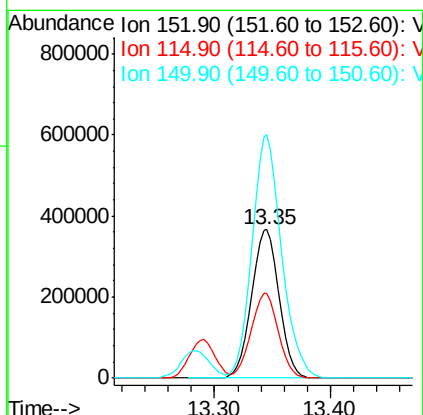
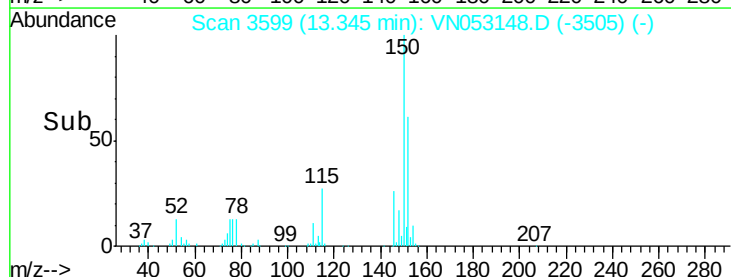
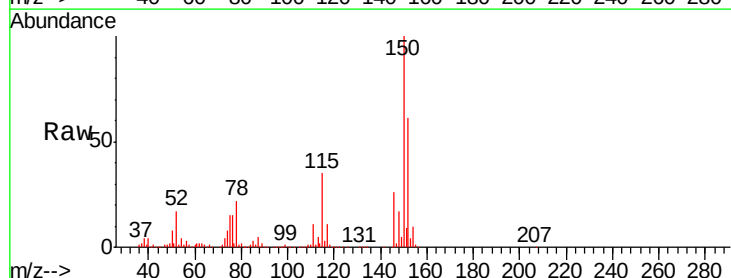
Manual Integrations
APPROVED

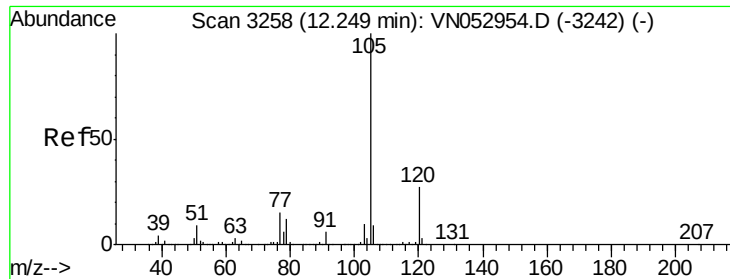
MMDadoda
12/24/2018 9:10:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	85.0
150	176.1	0.0	347.8





#73

Isopropylbenzene

Concen: 57.037 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2713315

Ion Ratio Lower Upper

105 100

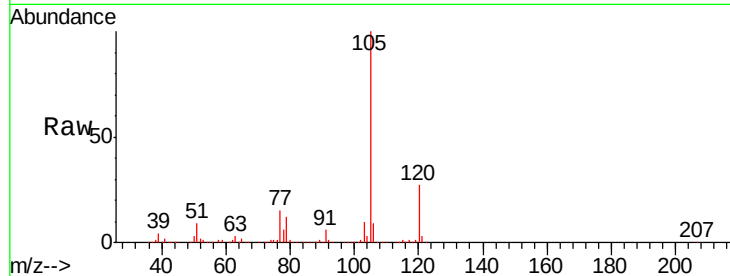
120 26.9 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:10:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

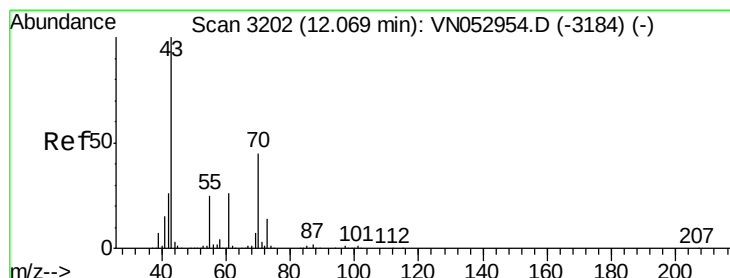
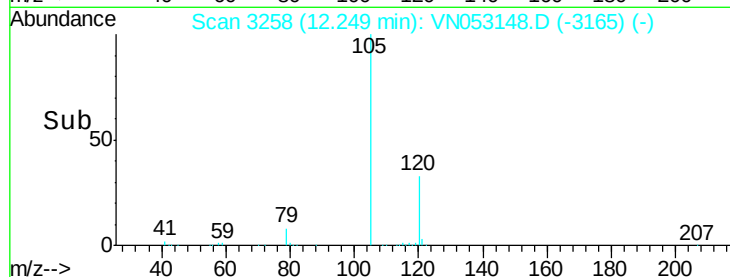
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 61.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion: 43 Resp: 811384

Ion Ratio Lower Upper

43 100

70 43.9 34.2 51.4

55 24.8 20.3 30.5

61 25.2 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

600000

400000

200000

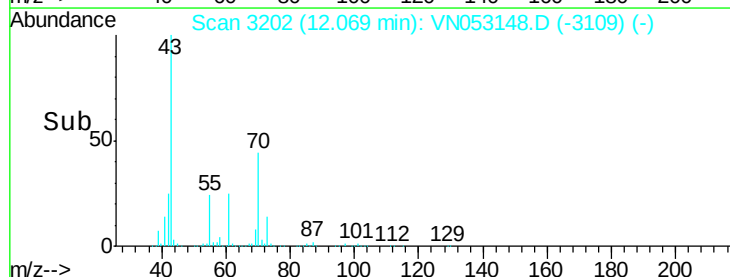
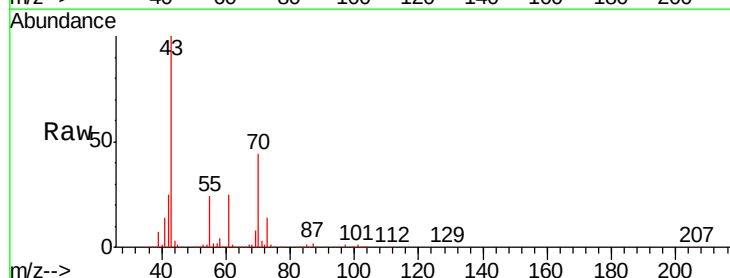
0

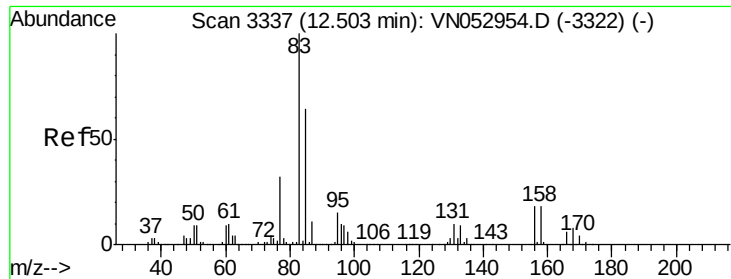
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 64.631 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

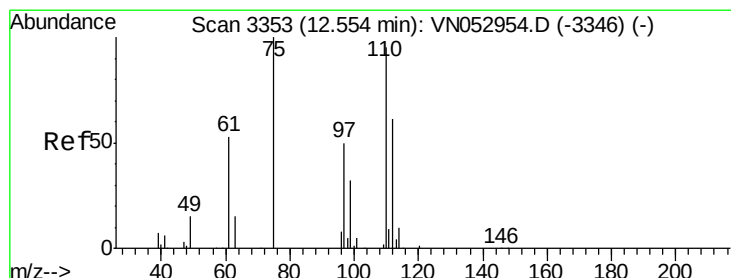
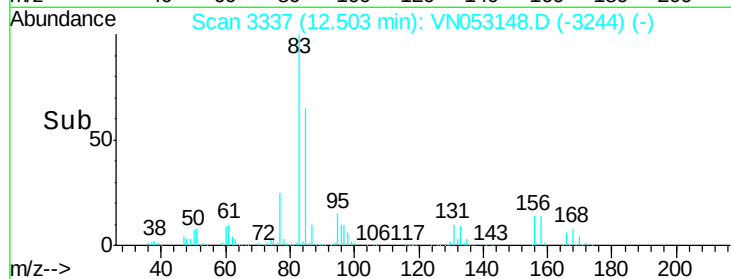
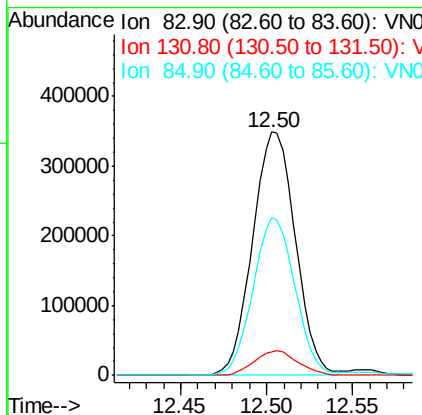
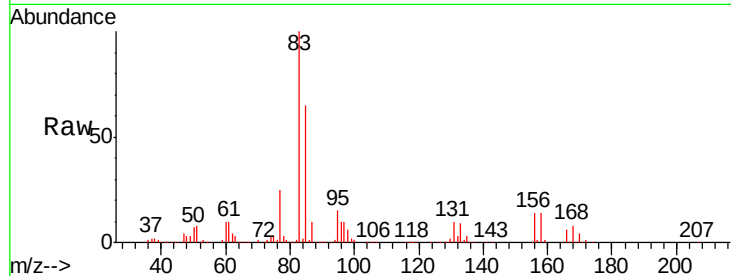
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	603190
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#76

1,2,3-Trichloropropane

Concen: 47.108 ug/l m

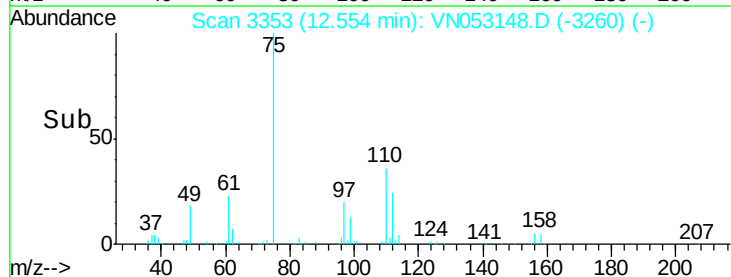
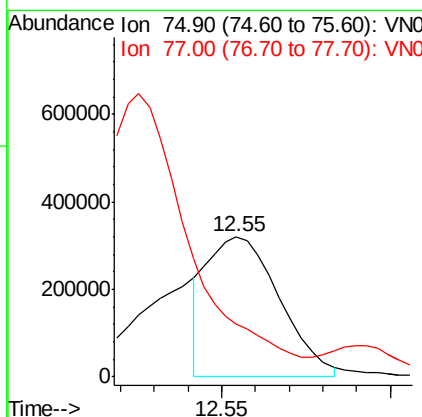
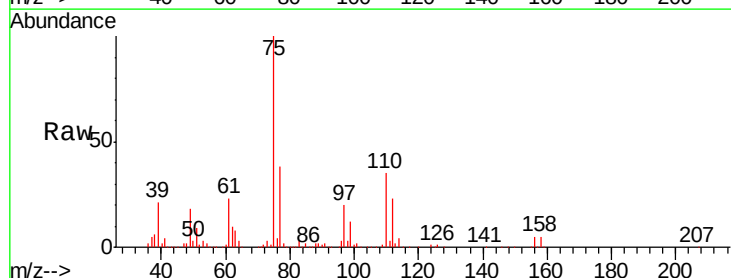
RT: 12.55 min Scan# 3353

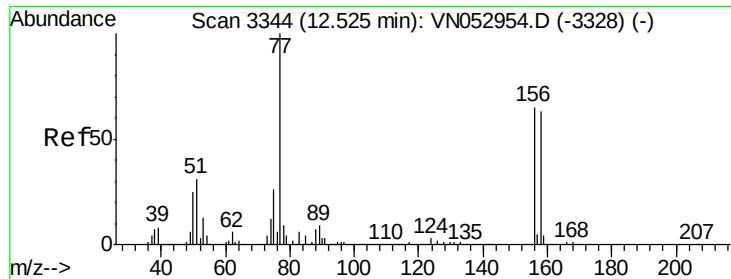
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	75	Resp:	482161
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.872 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

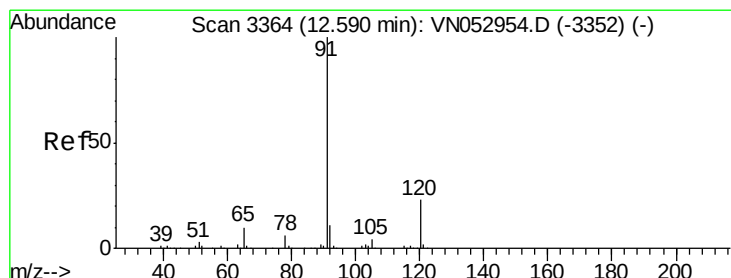
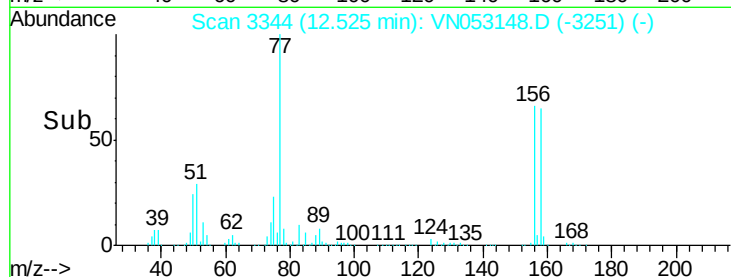
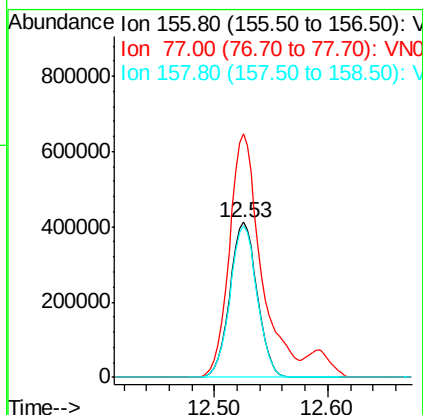
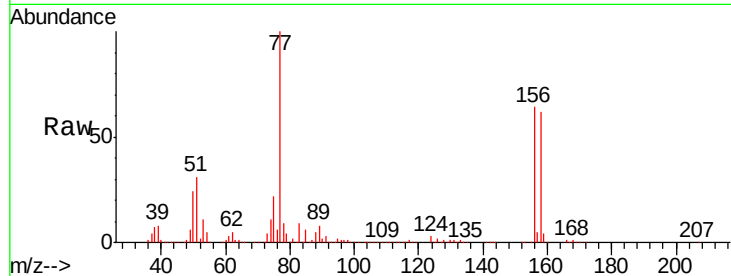
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	690909		
77	182.1	91.3	273.8	
158	97.3	49.0	147.2	

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#78

n-propylbenzene

Concen: 55.480 ug/l

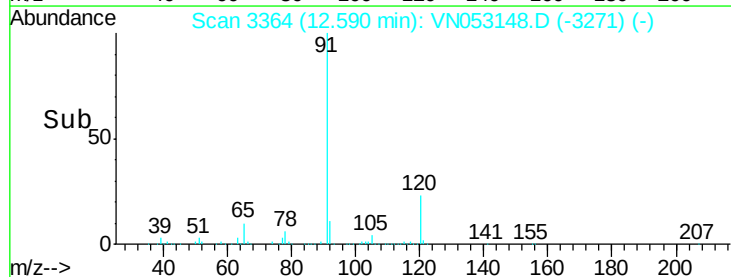
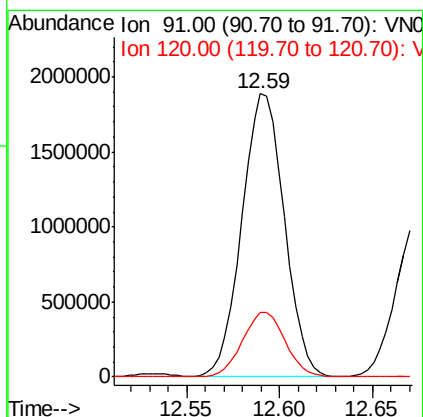
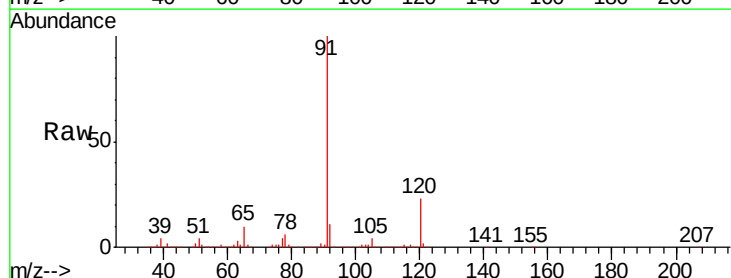
RT: 12.59 min Scan# 3364

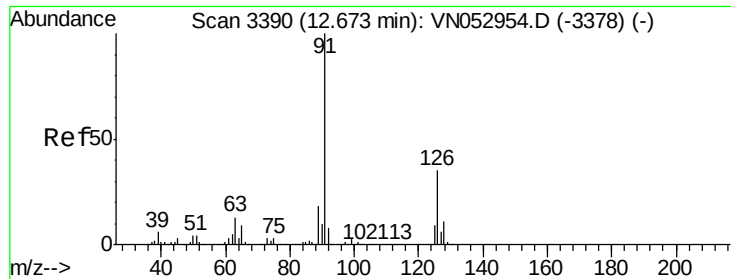
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3005875		
120	23.1	11.5	34.5	





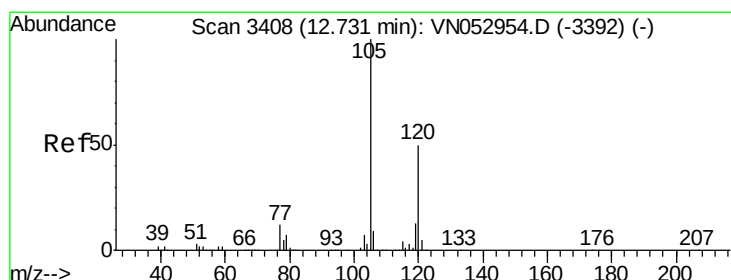
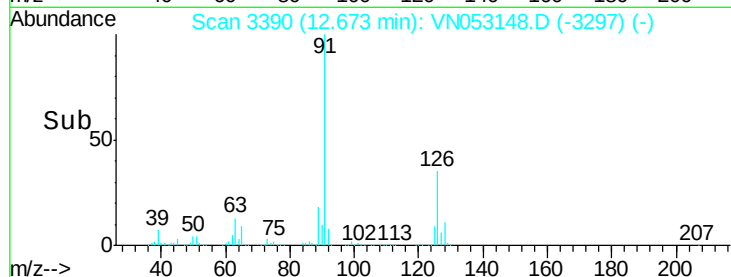
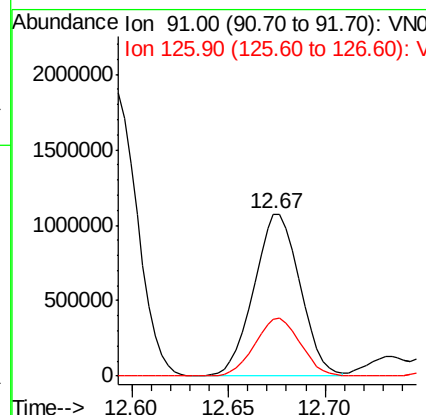
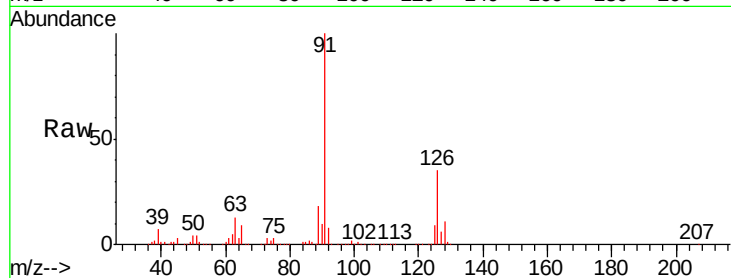
#79
 2-Chlorotoluene
 Concen: 52.909 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 1776833
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.4 52.3

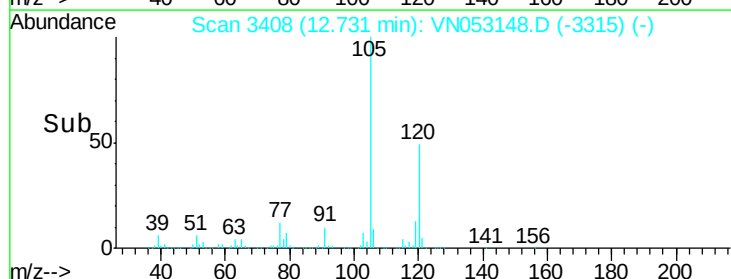
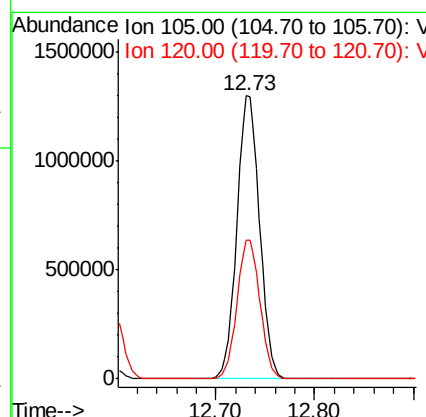
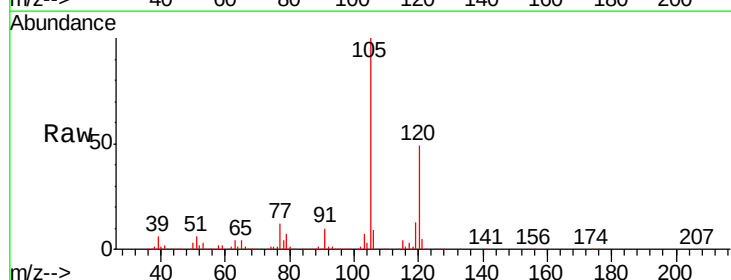
Manual Integrations
 APPROVED

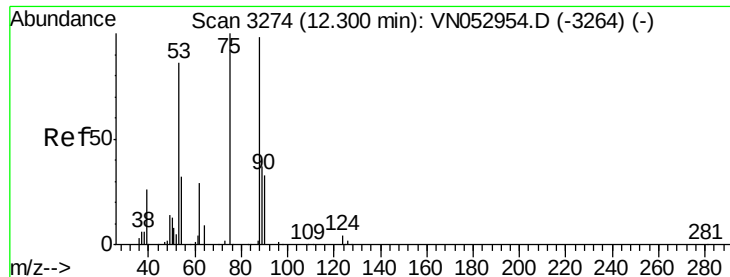
MMDadoda
 12/24/2018 9:10:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.563 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 105 Resp: 2076875
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2





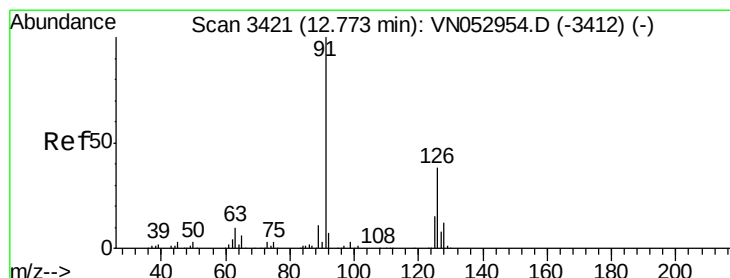
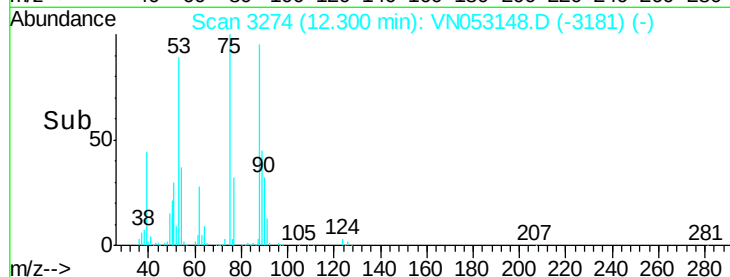
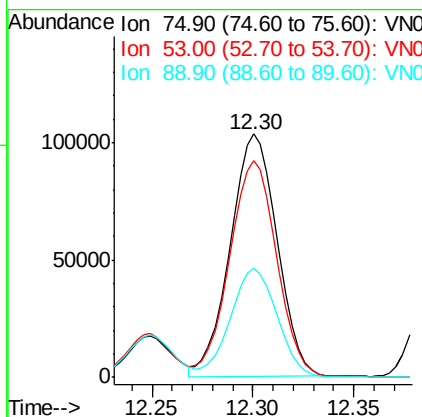
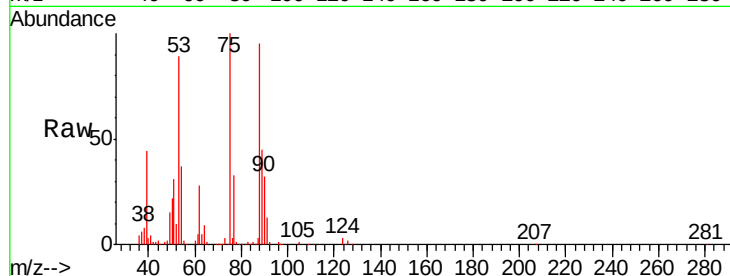
#81
trans-1,4-Dichloro-2-butene
Concen: 52.876 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.3	74.7	112.1
89	45.1	36.1	54.1

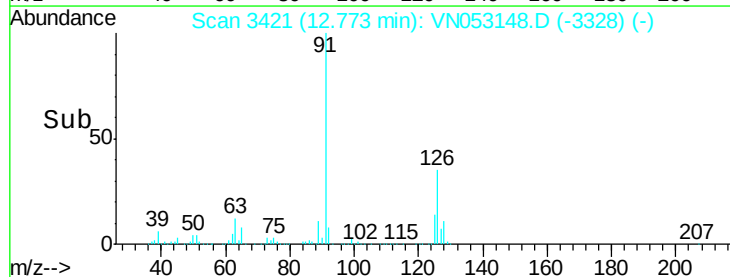
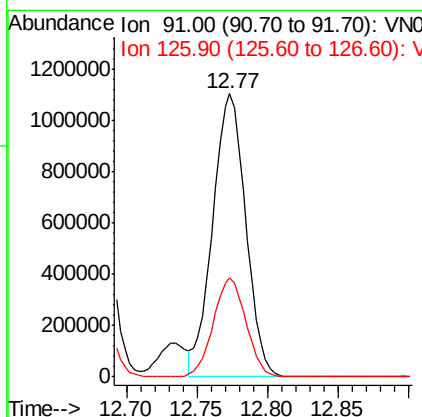
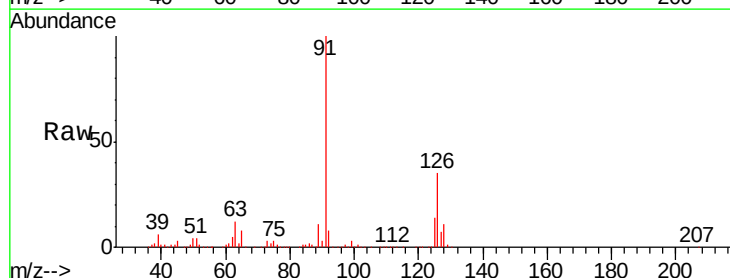
Manual Integrations
APPROVED

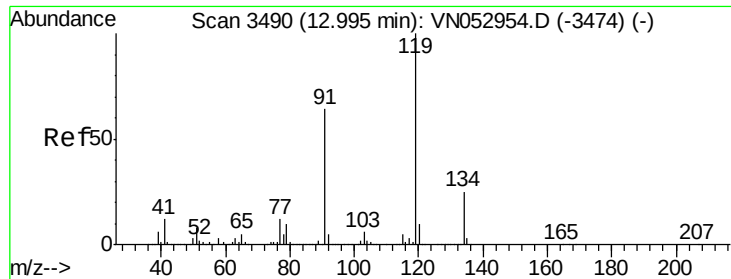
MMDadoda
12/24/2018 9:10:57 AM



#82
4-Chlorotoluene
Concen: 54.435 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





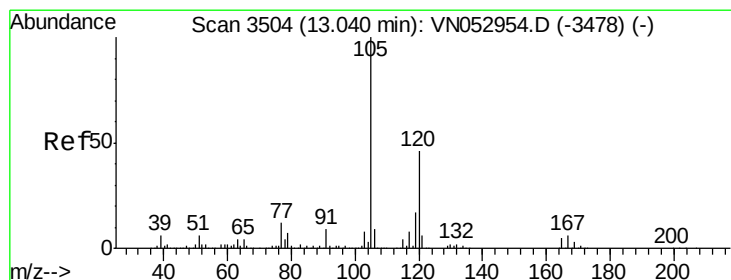
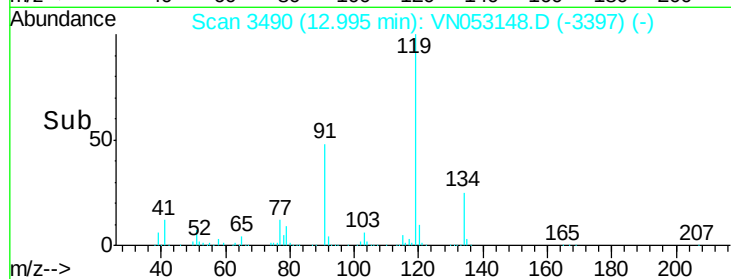
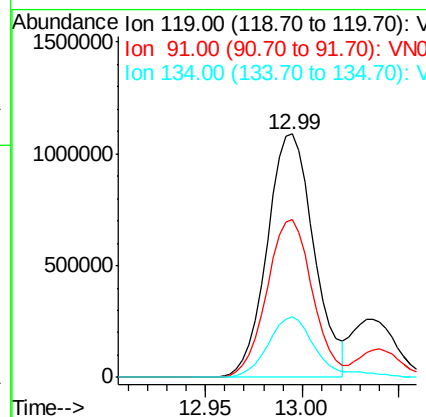
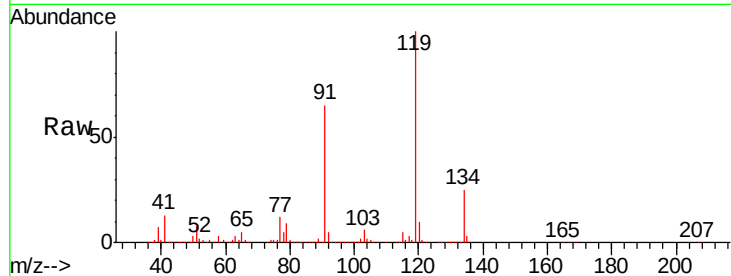
#83
 tert-Butylbenzene
 Concen: 53.602 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.9	95.5
134	25.5	12.8	38.4

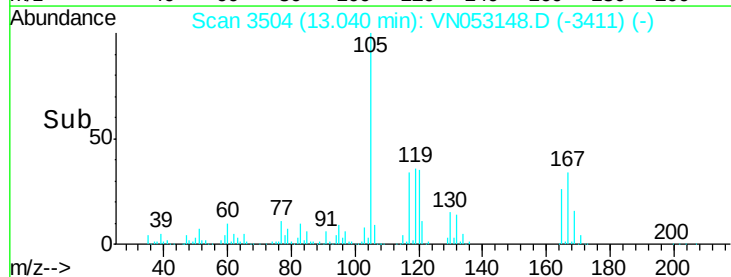
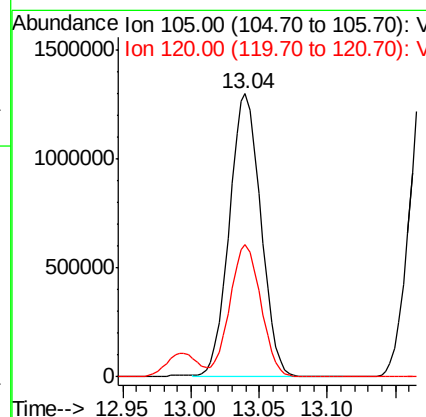
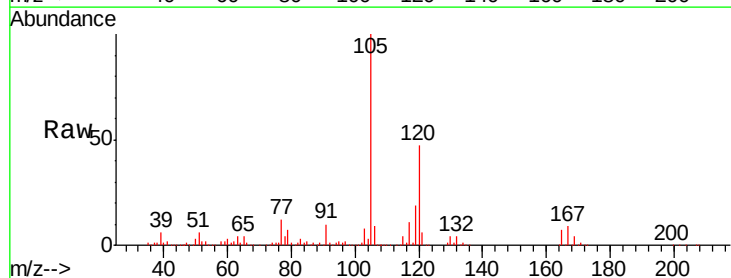
Manual Integrations
 APPROVED

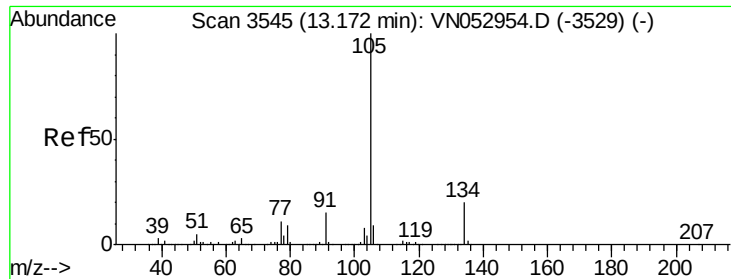
MMDadoda
 12/24/2018 9:10:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.341 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 51.925 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2408503

Ion Ratio Lower Upper

105 100

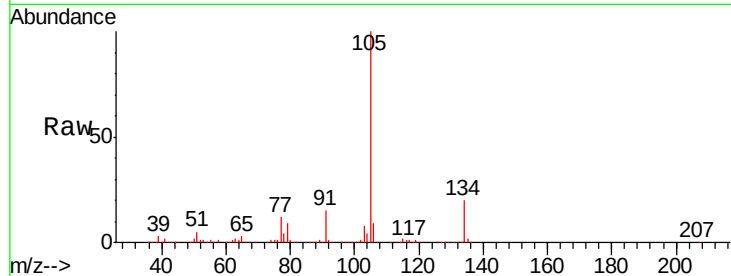
134 20.2 10.1 30.3

Manual Integrations

APPROVED

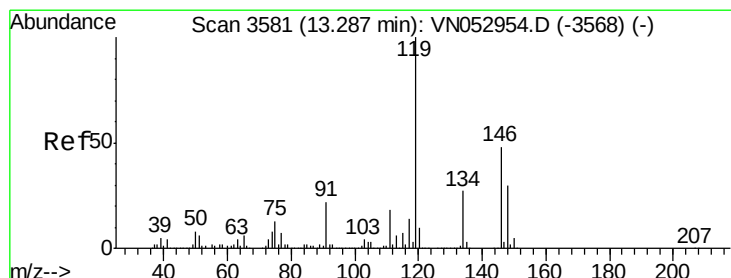
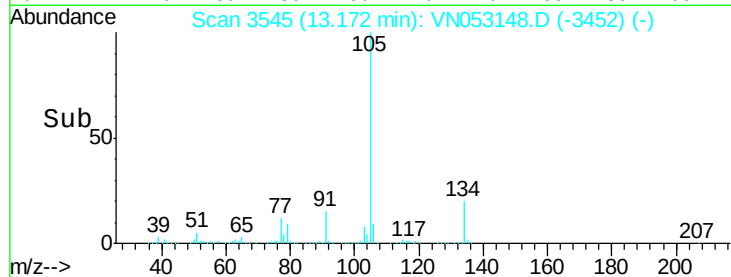
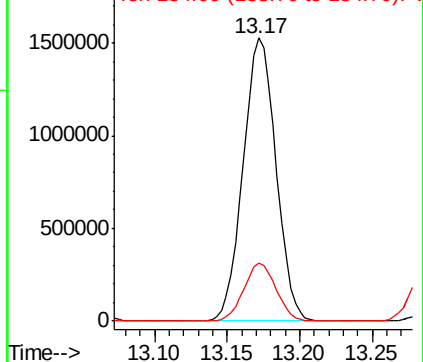
MMDadoda

12/24/2018 9:10:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.908 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

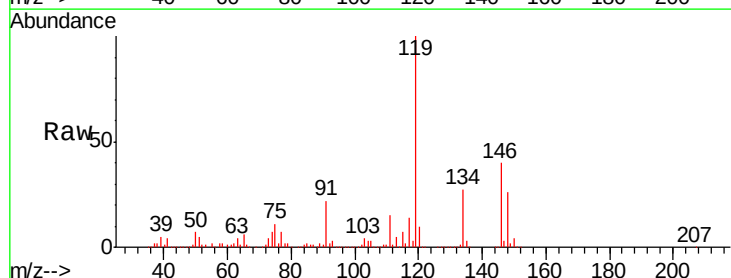
Tgt Ion:119 Resp: 2040382

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

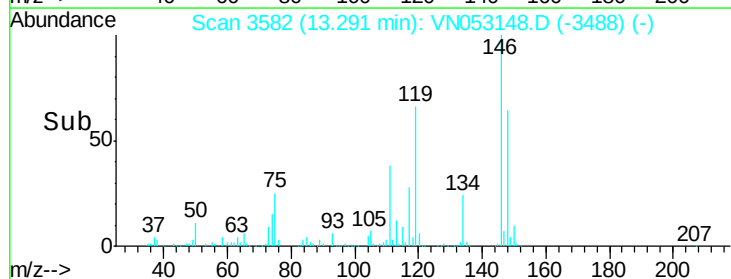
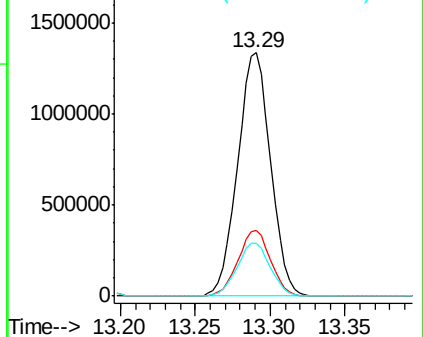
91 22.0 11.1 33.3

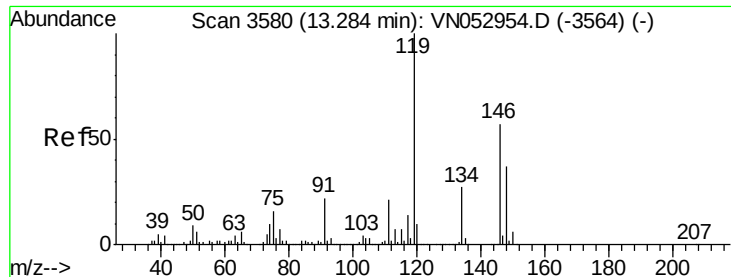


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





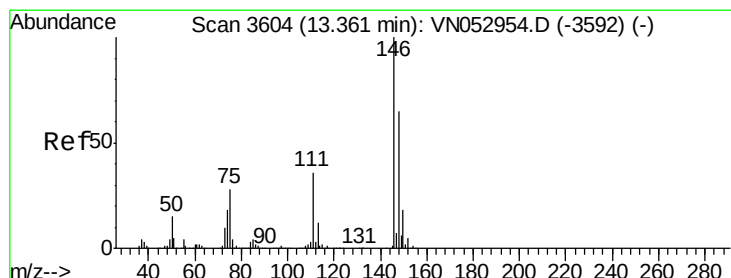
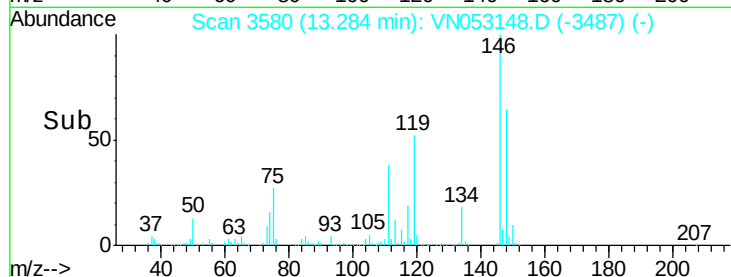
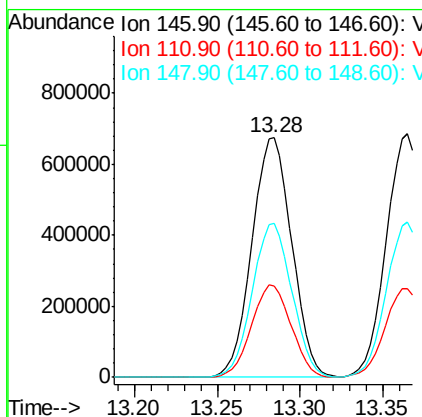
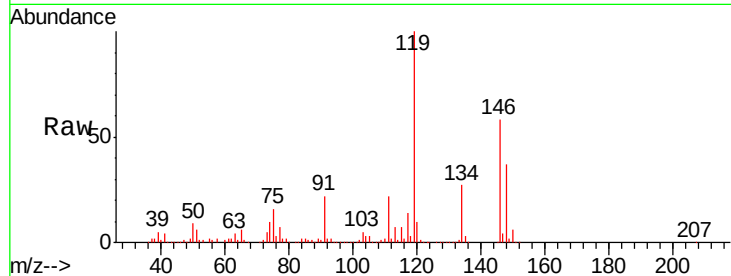
#87
 1,3-Dichlorobenzene
 Concen: 51.586 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1129015
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 63.7 32.0 96.0

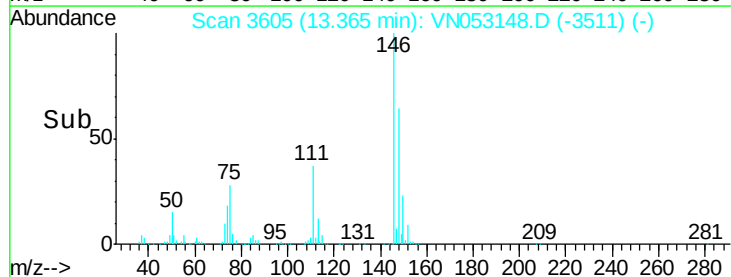
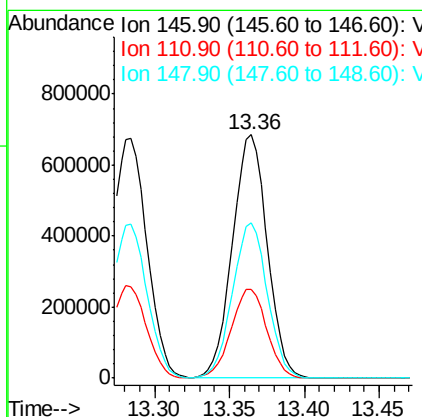
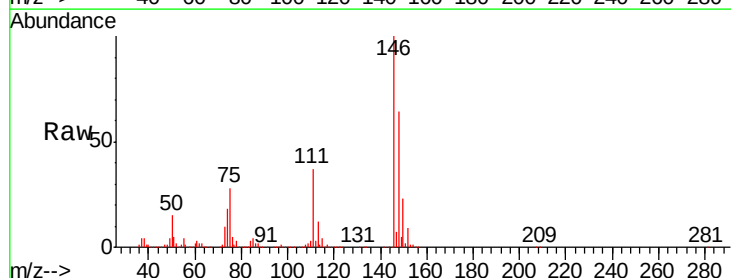
Manual Integrations
 APPROVED

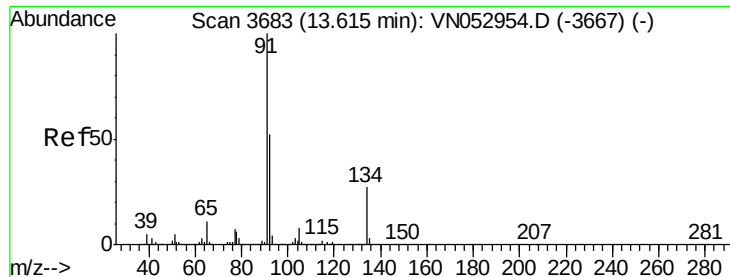
MMDadoda
 12/24/2018 9:10:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.106 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion:146 Resp: 1110529
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 46.899 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

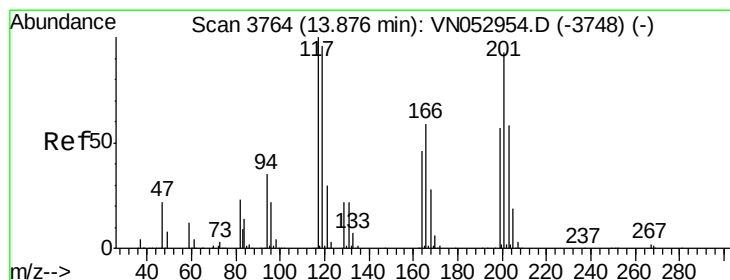
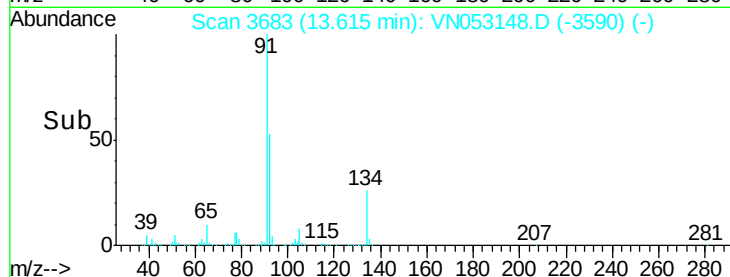
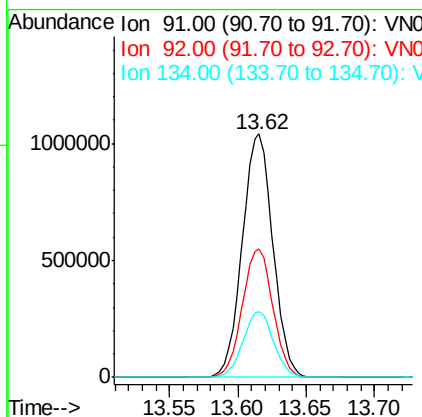
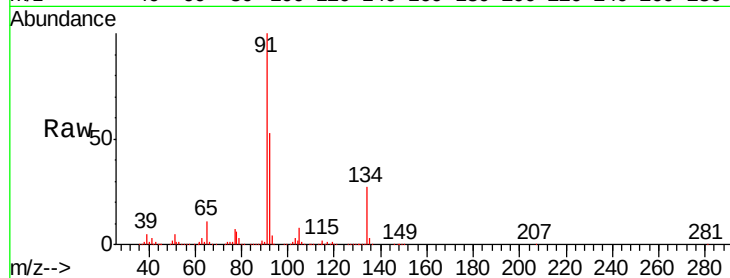
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	1617134
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	26.9	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#90

Hexachloroethane

Concen: 52.383 ug/l

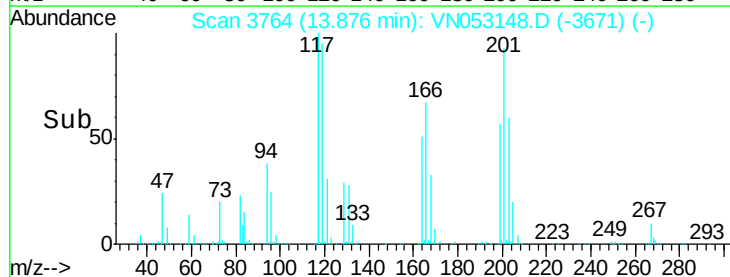
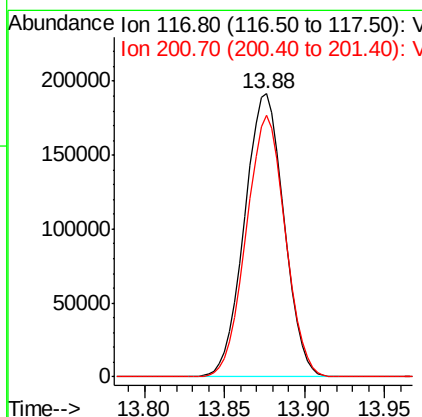
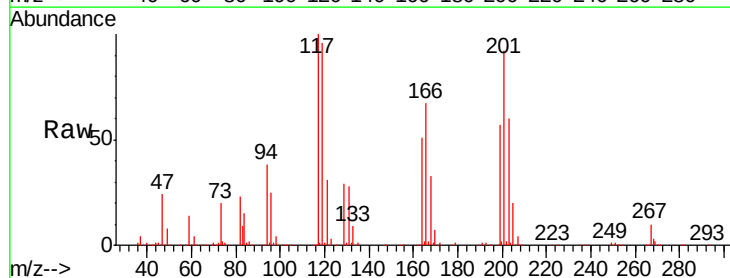
RT: 13.88 min Scan# 3764

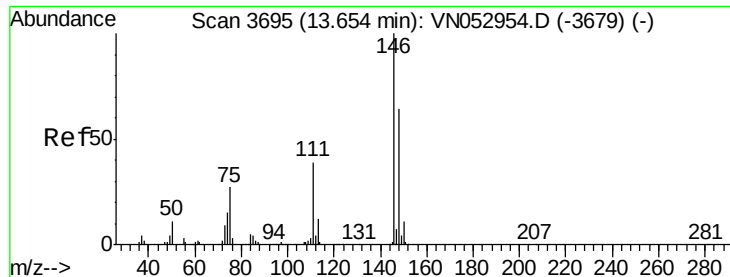
Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion:	117	Resp:	322185
Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 51.570 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1062232

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

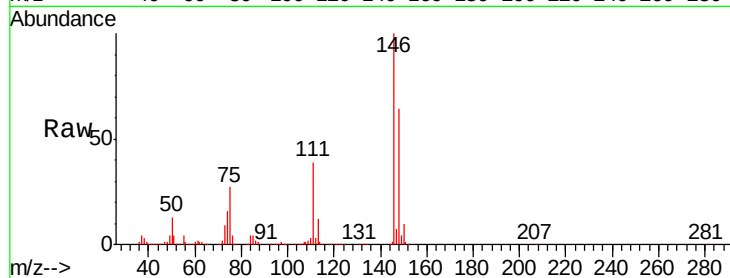
148 63.7 32.0 96.0

Manual Integrations

APPROVED

MMDadoda

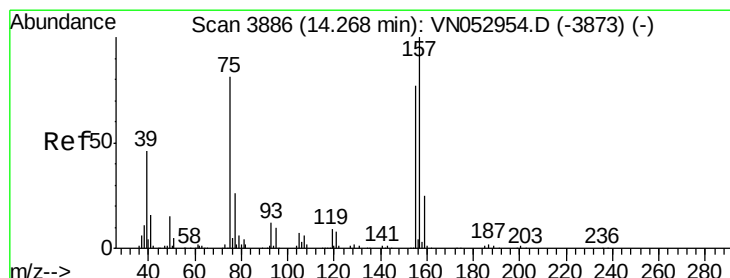
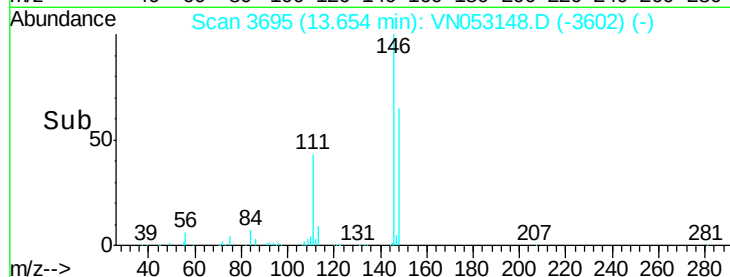
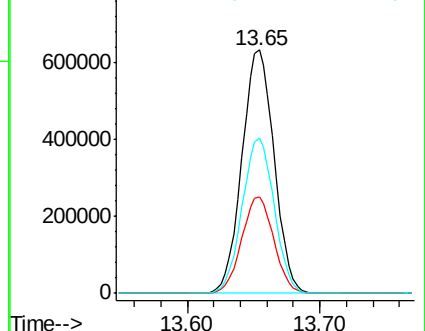
12/24/2018 9:10:57 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.522 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

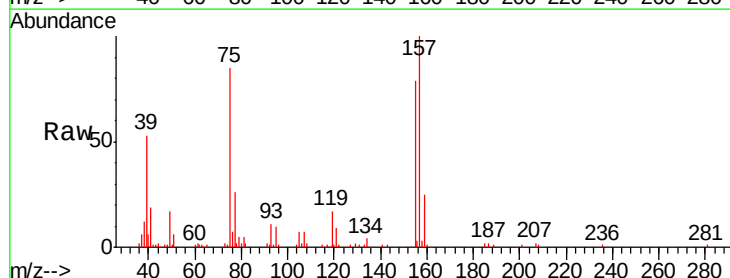
Tgt Ion: 75 Resp: 81527

Ion Ratio Lower Upper

75 100

155 95.6 48.2 144.6

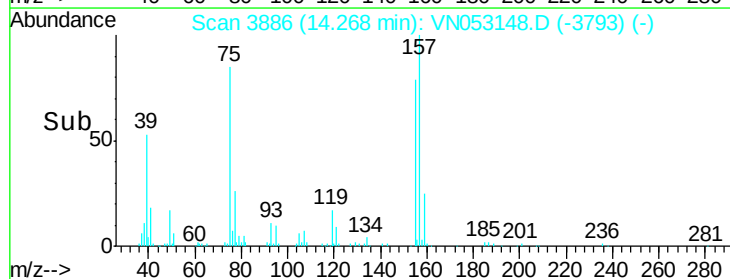
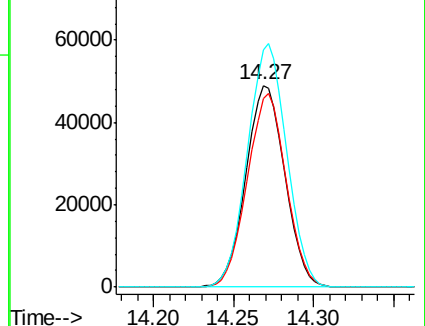
157 121.4 61.2 183.5

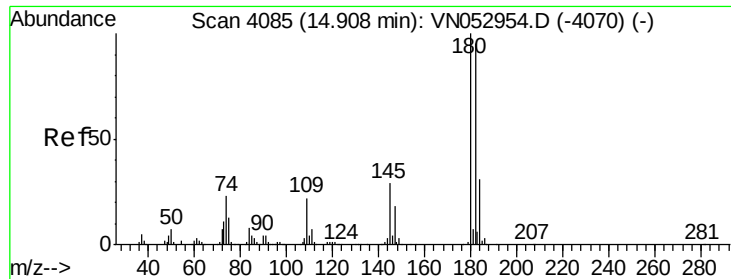


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





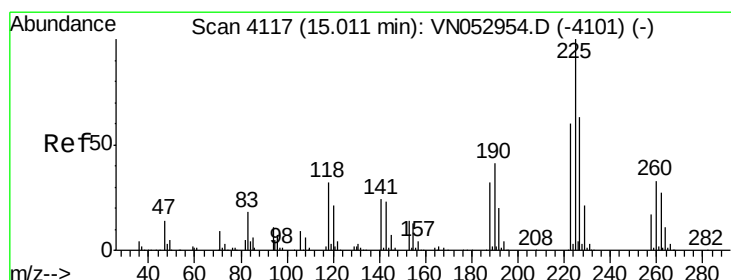
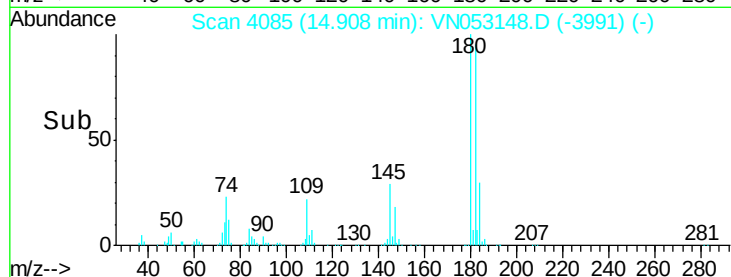
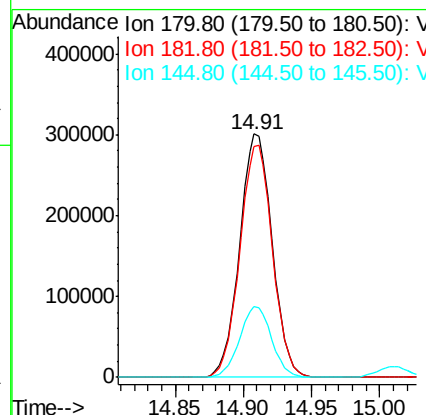
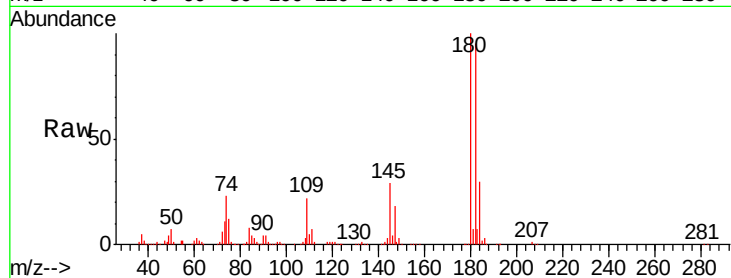
#93
 1,2,4-Trichlorobenzene
 Concen: 45.516 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	47.8	143.3
145	28.6	14.2	42.6

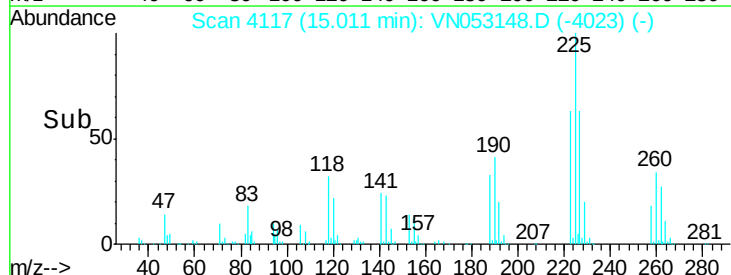
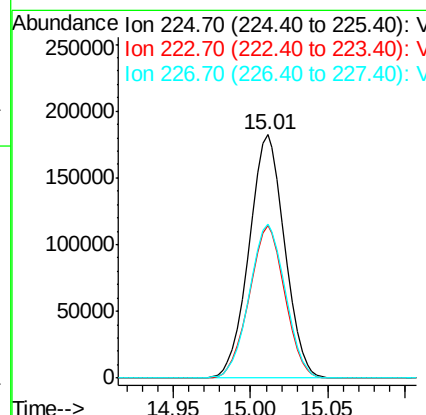
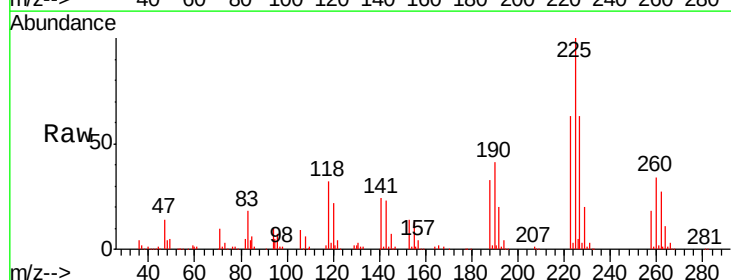
Manual Integrations
 APPROVED

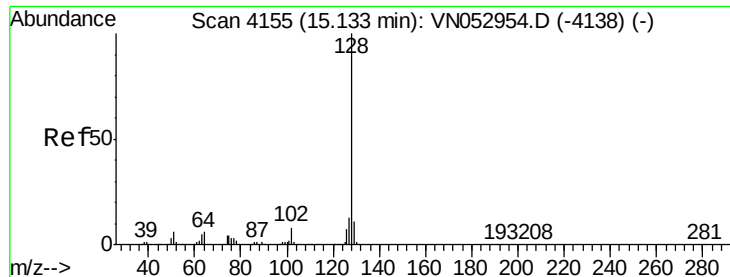
MMDadoda
 12/24/2018 9:10:57 AM



#94
 Hexachlorobutadiene
 Concen: 51.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.7	31.5	94.5
227	64.1	31.9	95.7





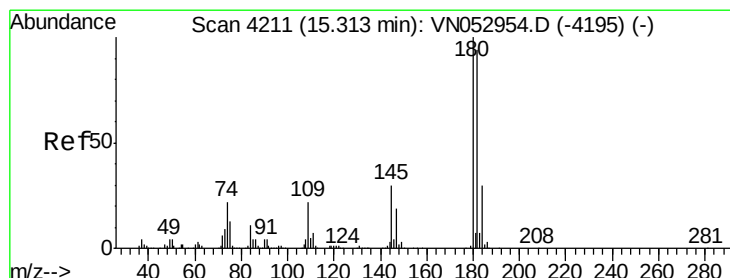
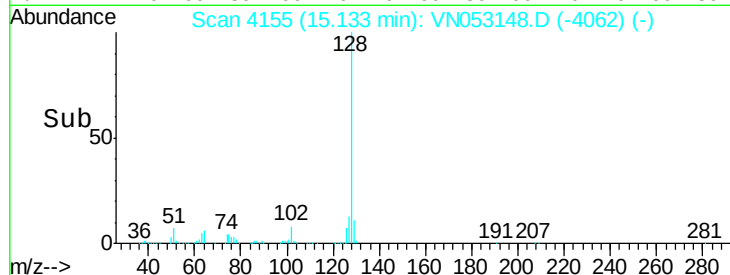
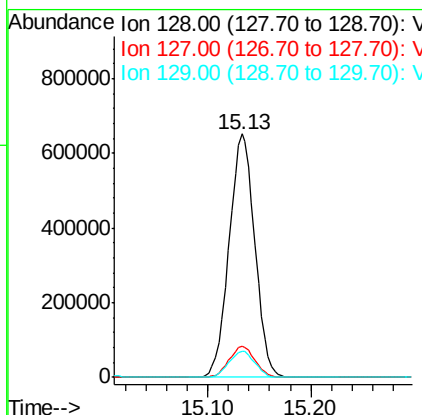
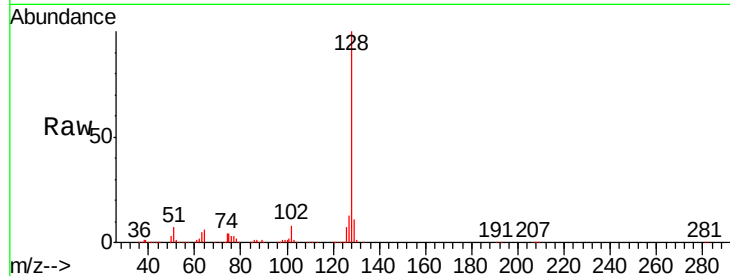
#95
Naphthalene
Concen: 47.274 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:10:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.796 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	29.8	15.0	45.0

