

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
 Data File : VN049571.D
 Acq On : 27 Jun 2018 14:48
 Operator : MD\SY
 Sample : VN0627WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:38:10 PM

Quant Time: Jun 28 01:44:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1701690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2597419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2310285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1190327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1102466	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.59	113	974130	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
50) Toluene-d8	10.09	98	3807509	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	1258882	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	390383	19.93	ug/l	99
3) Chloromethane	2.06	50	447494	17.69	ug/l	96
4) Vinyl Chloride	2.18	62	492400	18.32	ug/l	99
5) Bromomethane	2.56	94	234465	16.59	ug/l	96
6) Chloroethane	2.70	64	300457	18.75	ug/l	99
7) Trichlorofluoromethane	3.02	101	536789	16.01	ug/l	99
8) Diethyl Ether	3.41	74	219183	18.72	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	386918	18.19	ug/l	92
10) Methyl Iodide	3.95	142	519385	23.46	ug/l	91
11) Tert butyl alcohol	4.79	59	116045	87.60	ug/l	98
12) 1,1-Dichloroethene	3.74	96	361134	18.51	ug/l	90
13) Acrolein	3.61	56	140036	100.80	ug/l	99
14) Allyl chloride	4.32	41	478805	15.54	ug/l	89
15) Acrylonitrile	4.99	53	596937	90.12	ug/l	99
16) Acetone	3.82	43	452306	82.54	ug/l	94
17) Carbon Disulfide	4.05	76	1079996	17.66	ug/l	99
18) Methyl Acetate	4.33	43	532007	31.84	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	958030	19.26	ug/l	96
20) Methylene Chloride	4.55	84	414204	18.10	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	378803	18.34	ug/l	93
22) Diisopropyl ether	5.95	45	1186403	19.28	ug/l	98
23) Vinyl Acetate	5.90	43	3847006	95.92	ug/l	96
24) 1,1-Dichloroethane	5.85	63	722947	18.36	ug/l	97
25) 2-Butanone	6.84	43	657706	89.38	ug/l	97
26) 2,2-Dichloropropane	6.82	77	589359	18.53	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	428509	18.66	ug/l	91
28) Bromochloromethane	7.20	49	331865	19.01	ug/l #	82
29) Tetrahydrofuran	7.22	42	442497	93.42	ug/l	93
30) Chloroform	7.37	83	729513	18.62	ug/l	99
31) Cyclohexane	7.65	56	659102	19.64	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	631493	18.89	ug/l	97
36) 1,1-Dichloropropene	7.79	75	555805	18.67	ug/l	98
37) Ethyl Acetate	6.93	43	315031	19.47	ug/l #	97
38) Carbon Tetrachloride	7.77	117	520754	16.90	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
 Data File : VN049571.D
 Acq On : 27 Jun 2018 14:48
 Operator : MD\SY
 Sample : VN0627WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:38:10 PM

Quant Time: Jun 28 01:44:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	606642	18.98	ug/l	95
40) Benzene	8.04	78	1654813	18.13	ug/l	98
41) Methacrylonitrile	7.18	41	172539	19.72	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	505245	17.92	ug/l	97
43) Isopropyl Acetate	8.17	43	773503	25.02	ug/l	95
44) Trichloroethene	8.84	130	504108	20.92	ug/l	93
45) 1,2-Dichloropropane	9.12	63	430852	18.03	ug/l	100
46) Dibromomethane	9.21	93	251477	18.15	ug/l	91
47) Bromodichloromethane	9.40	83	537801	17.66	ug/l	98
48) Methyl methacrylate	9.20	41	269720	18.52	ug/l #	86
49) 1,4-Dioxane	9.20	88	71674	356.64	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1493217	92.14	ug/l	95
52) Toluene	10.16	92	1014056	18.93	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	511239	17.55	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	620999	18.06	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	357961	17.93	ug/l	96
56) Ethyl methacrylate	10.43	69	445104	19.32	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	601621	18.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1039102	133.26	ug/l	94
59) 2-Hexanone	10.75	43	977883	93.59	ug/l	93
60) Dibromochloromethane	10.90	129	389824	17.49	ug/l	99
61) 1,2-Dibromoethane	11.01	107	349225	18.81	ug/l	99
64) Tetrachloroethene	10.63	164	568591	24.02	ug/l	98
65) Chlorobenzene	11.44	112	1095417	18.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396172	17.69	ug/l	99
67) Ethyl Benzene	11.51	91	1859613	18.84	ug/l	98
68) m/p-Xylenes	11.62	106	1456488	39.31	ug/l	96
69) o-Xylene	11.95	106	691678	19.38	ug/l	97
70) Styrene	11.97	104	1119725	19.89	ug/l	98
71) Bromoform	12.13	173	255164	17.60	ug/l #	100
73) Isopropylbenzene	12.25	105	1803616	17.26	ug/l	97
74) N-amyl acetate	12.07	43	477687	18.66	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	387050	16.50	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	334282m	16.46	ug/l	
77) Bromobenzene	12.53	156	462584	16.76	ug/l	90
78) n-propylbenzene	12.59	91	2077448	18.10	ug/l	98
79) 2-Chlorotoluene	12.68	91	1262074	17.36	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1543043	18.78	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	102563	15.96	ug/l	93
82) 4-Chlorotoluene	12.77	91	1284321	18.31	ug/l	97
83) tert-Butylbenzene	12.99	119	1274173	17.51	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1568677	19.22	ug/l	98
85) sec-Butylbenzene	13.17	105	1723538	17.79	ug/l	99
86) p-Isopropyltoluene	13.29	119	1512420	18.69	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	833208	18.35	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	808994	17.97	ug/l	99
89) n-Butylbenzene	13.62	91	1218053	19.27	ug/l	97
90) Hexachloroethane	13.88	117	131912	7.16	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	815766	18.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63426	17.43	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
Data File : VN049571.D
Acq On : 27 Jun 2018 14:48
Operator : MD\SY
Sample : VN0627WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

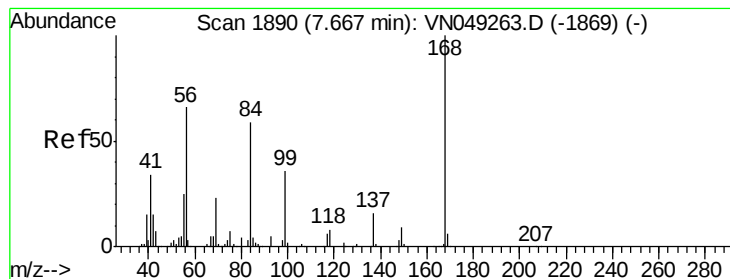
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM

Quant Time: Jun 28 01:44:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	379590	21.57	ug/l	98
94) Hexachlorobutadiene	15.01	225	256658	17.96	ug/l	98
95) Naphthalene	15.14	128	779523	24.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	373318	20.87	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:168 Resp: 1701690

Ion Ratio Lower Upper

168 100

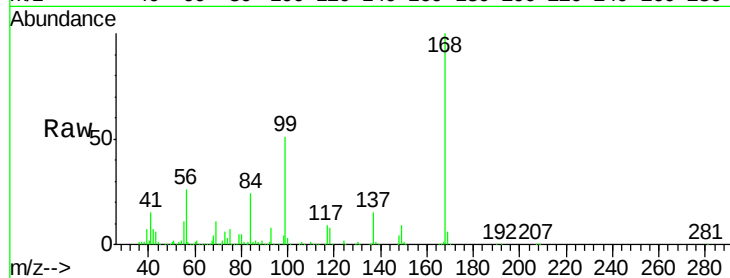
99 49.8 45.8 68.6

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

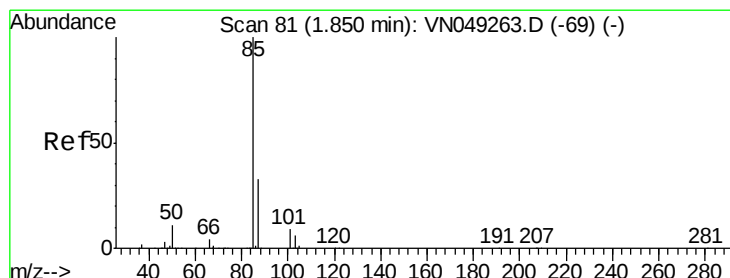
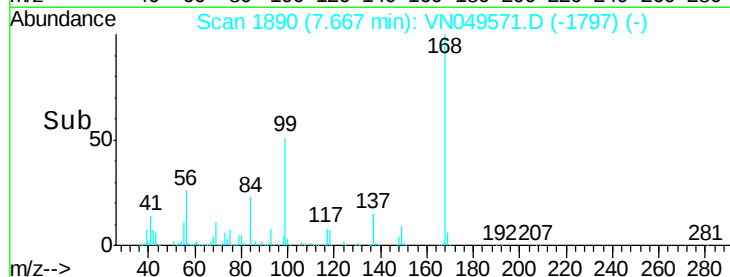
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.93 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049571.D

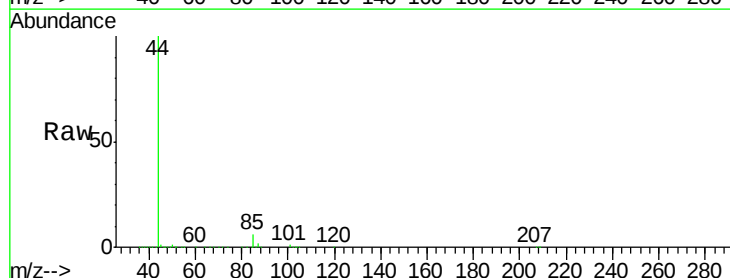
Acq: 27 Jun 2018 14:48

Tgt Ion: 85 Resp: 390383

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

300000

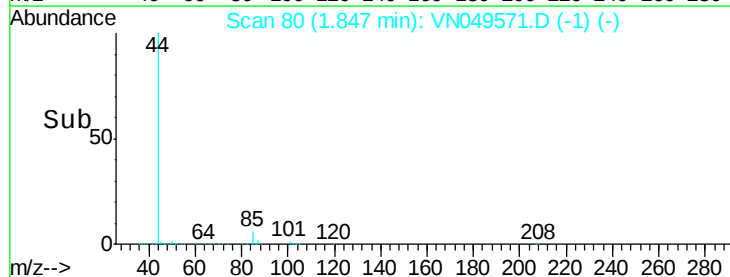
200000

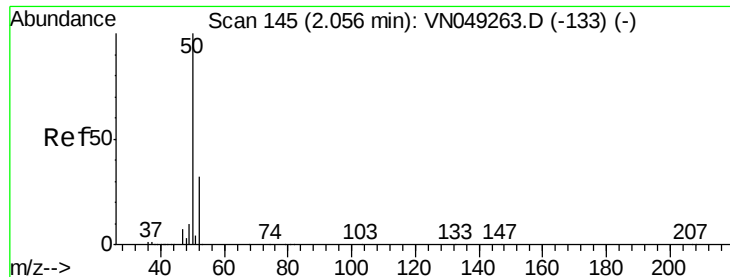
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.69 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 50 Resp: 447494

Ion Ratio Lower Upper

50 100

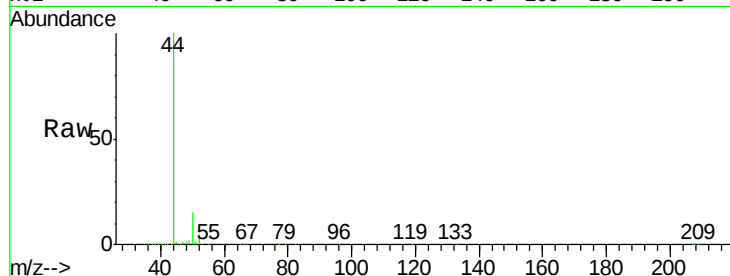
52 33.8 25.2 37.8

Manual Integrations

APPROVED

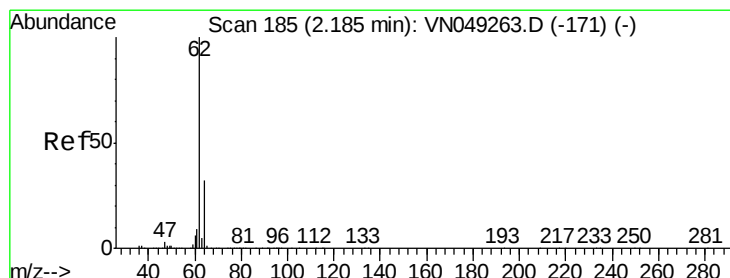
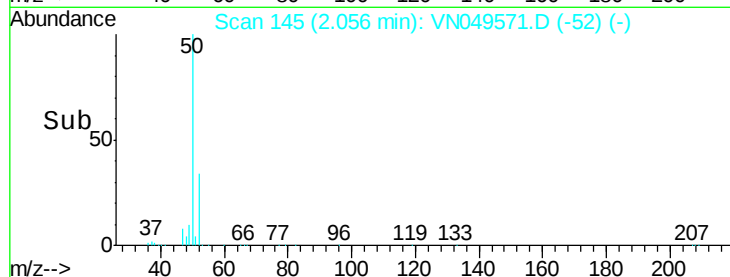
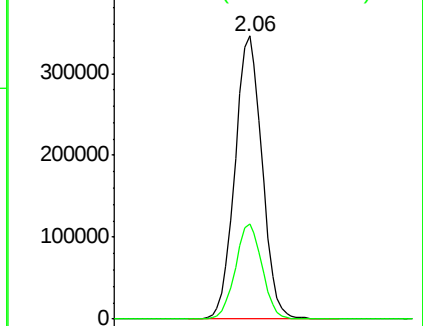
MMDadoda

6/28/2018 4:38:10 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.32 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049571.D

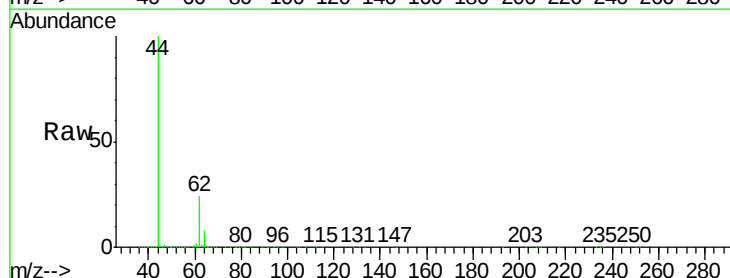
Acq: 27 Jun 2018 14:48

Tgt Ion: 62 Resp: 492400

Ion Ratio Lower Upper

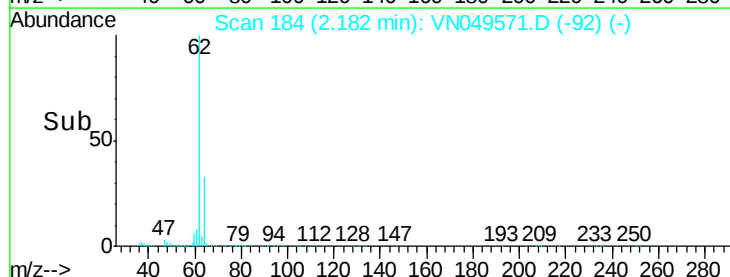
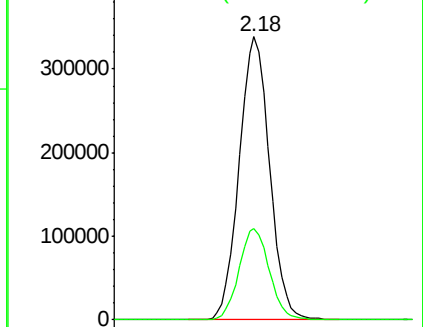
62 100

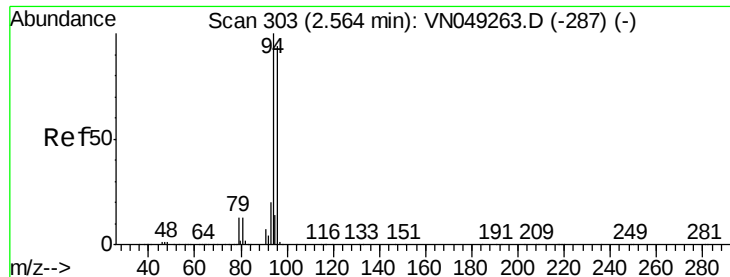
64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.59 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 94 Resp: 234465

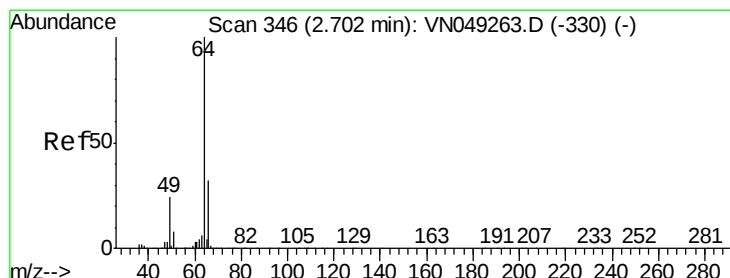
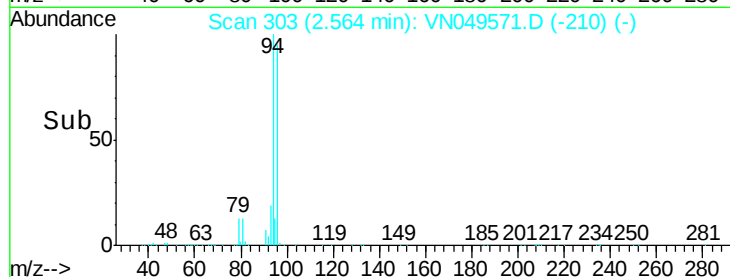
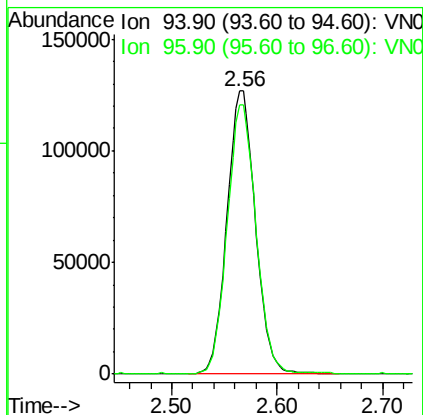
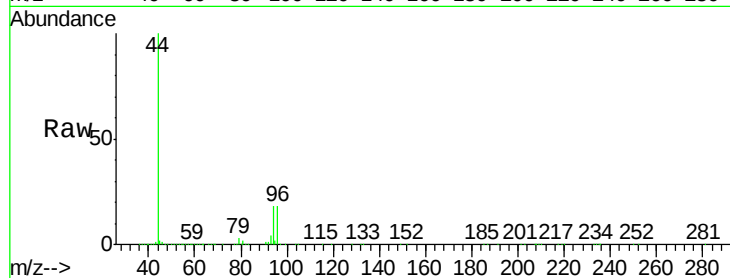
Ion Ratio Lower Upper

94 100

96 95.1 72.8 109.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#6

Chloroethane

Concen: 18.75 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049571.D

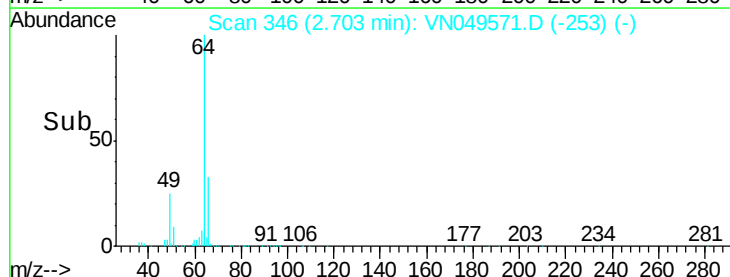
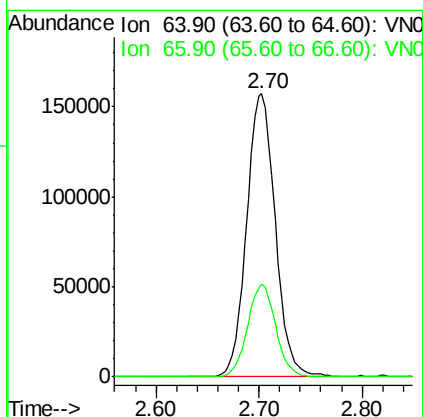
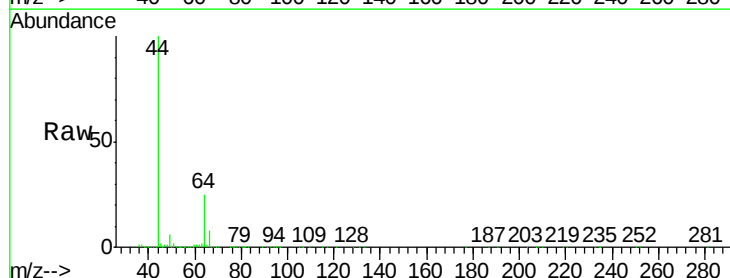
Acq: 27 Jun 2018 14:48

Tgt Ion: 64 Resp: 300457

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4





#7

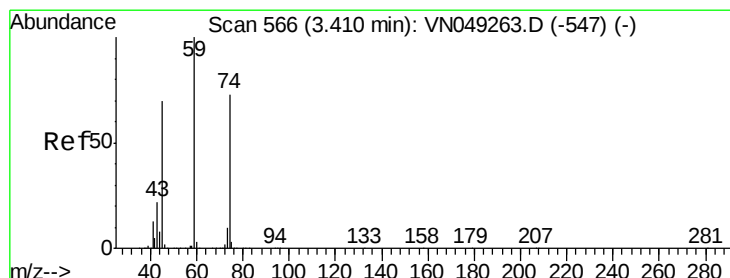
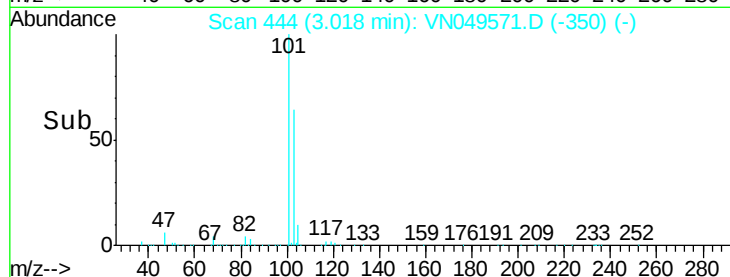
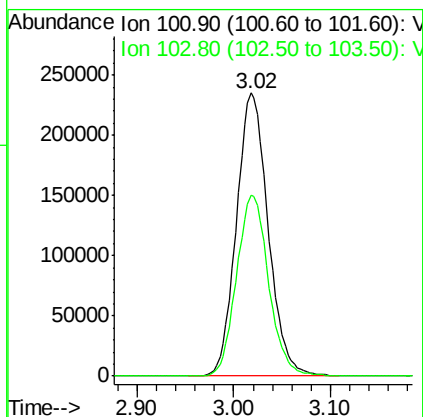
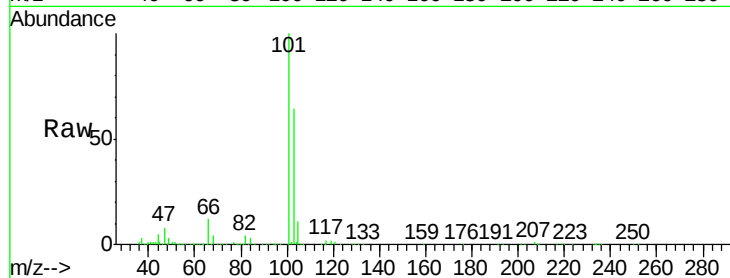
Trichlorofluoromethane
Concen: 16.01 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion:101 Resp: 536789
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5

Manual Integrations
APPROVED

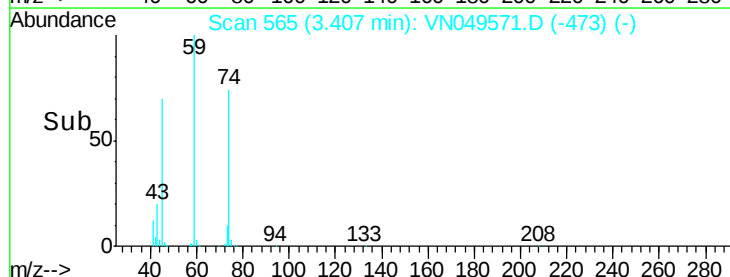
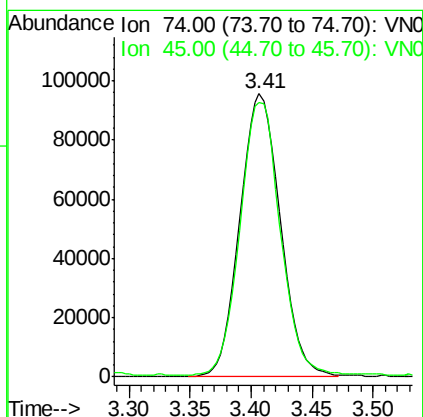
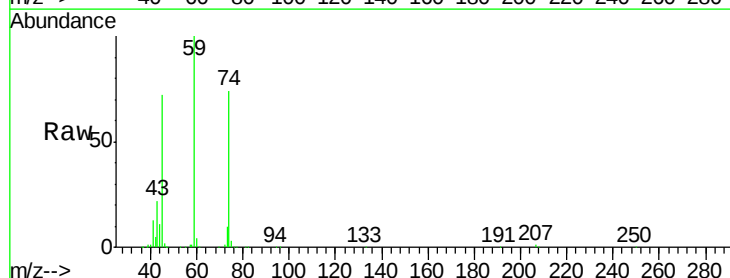
MMDadoda
6/28/2018 4:38:10 PM



#8

Diethyl Ether
Concen: 18.72 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 74 Resp: 219183
Ion Ratio Lower Upper
74 100
45 95.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.19 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

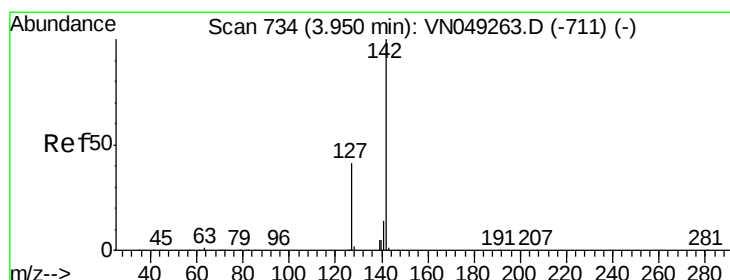
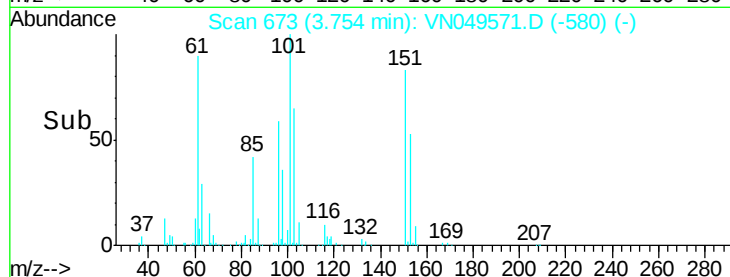
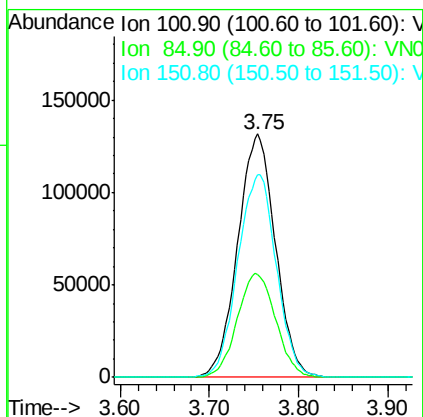
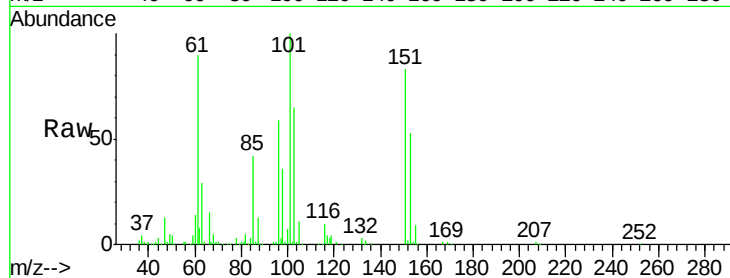
ClientSampled :

VN0627WBSD01

Tot Ion:	101	Resp:	386918
Ion Ratio	Lower	Upper	
101	100		
85	43.7	37.6	56.4
151	85.4	61.1	91.7

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#10

Methyl Iodide

Concen: 23.46 ug/l

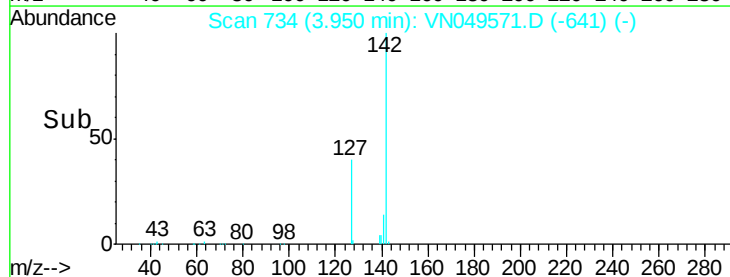
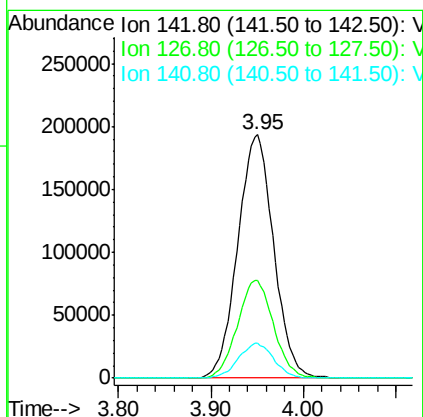
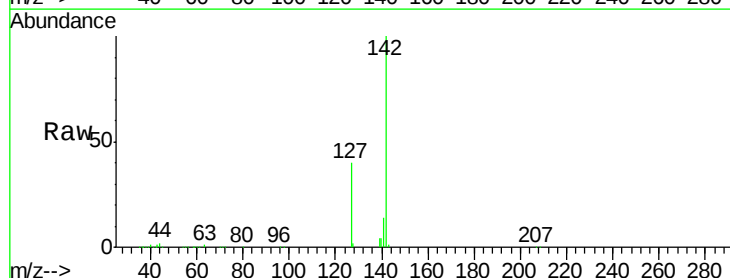
RT: 3.95 min Scan# 734

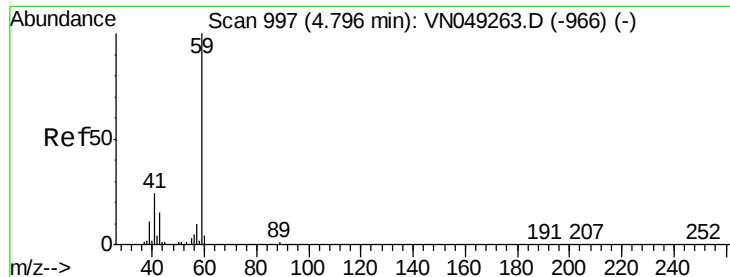
Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	142	Resp:	519385
Ion Ratio	Lower	Upper	
142	100		
127	40.3	38.2	57.4
141	14.1	11.9	17.9





#11

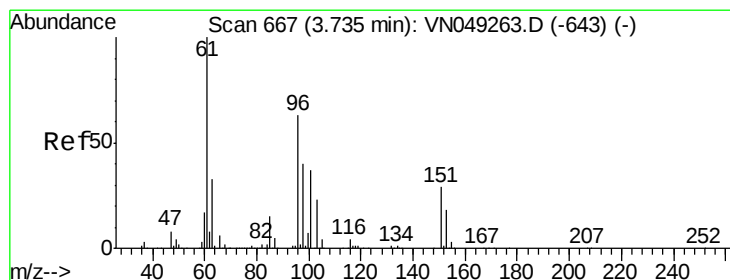
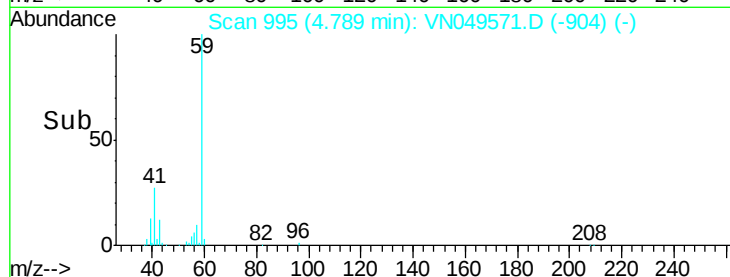
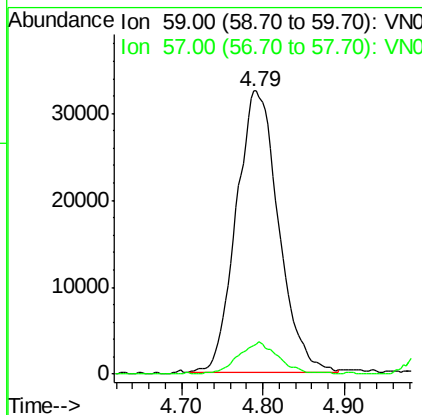
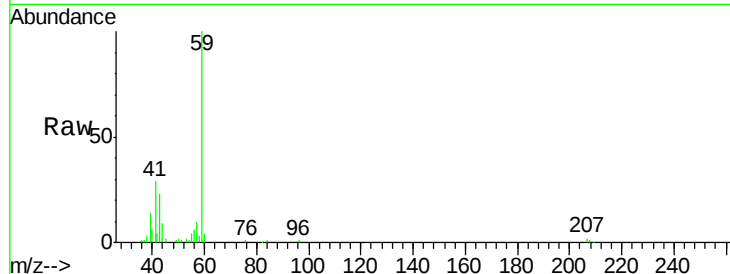
Tert butyl alcohol
Concen: 87.60 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	59	Resp	116045
Ion Ratio	100	Lower	Upper
57	10.7	9.0	13.6

Manual Integrations
APPROVED

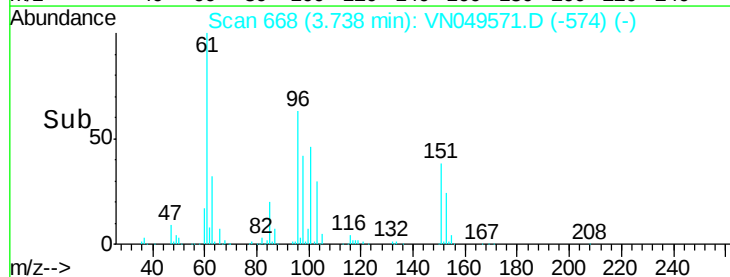
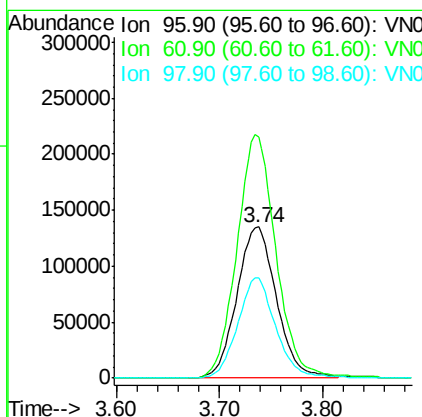
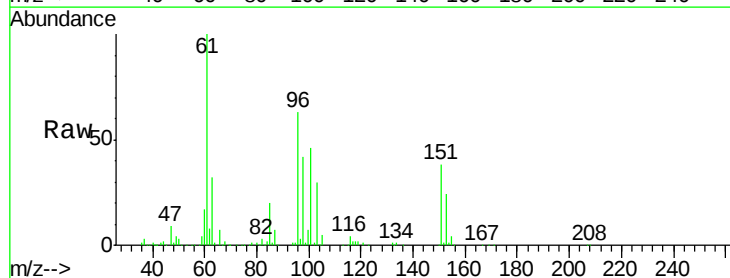
MMDadoda
6/28/2018 4:38:10 PM

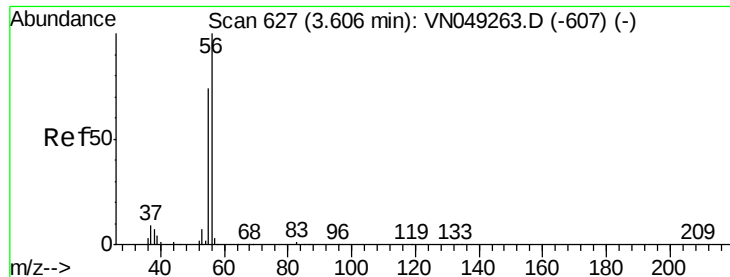


#12

1,1-Dichloroethene
Concen: 18.51 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	96	Resp	361134
Ion Ratio	100	Lower	Upper
61	159.5	141.0	211.4
98	66.4	50.4	75.6





#13

Acrolein

Concen: 100.80 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 56 Resp: 140036

Ion Ratio Lower Upper

56 100

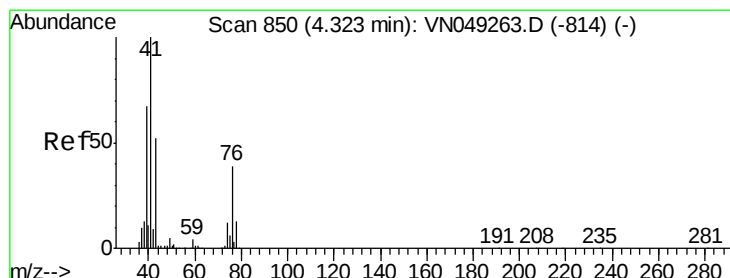
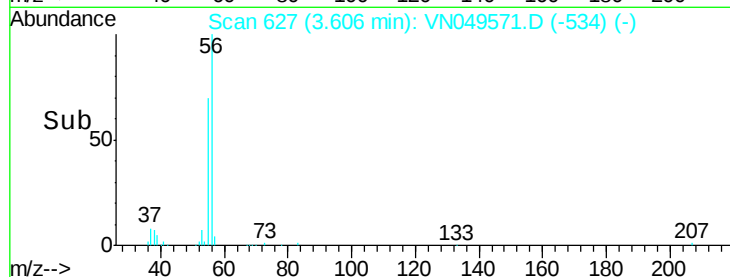
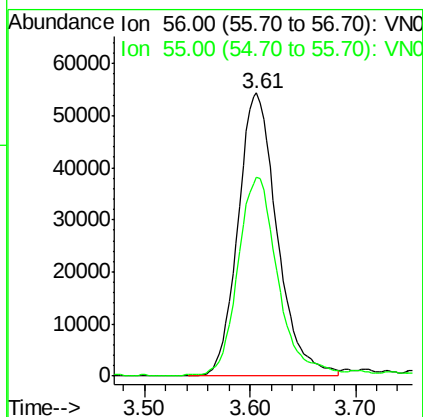
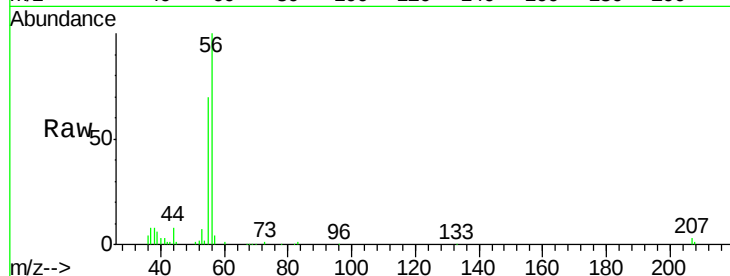
55 70.5 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:10 PM



#14

Allyl chloride

Concen: 15.54 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

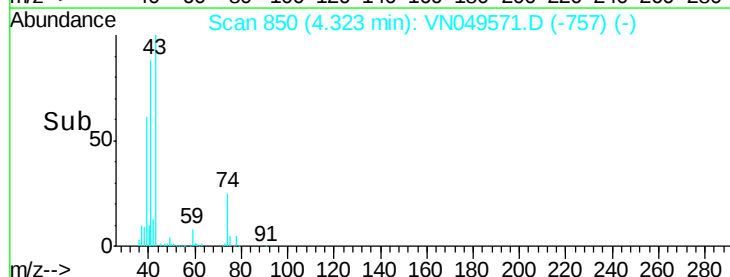
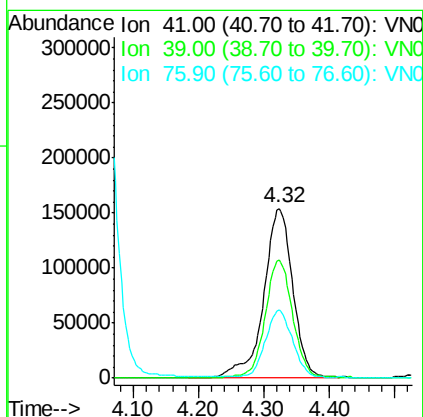
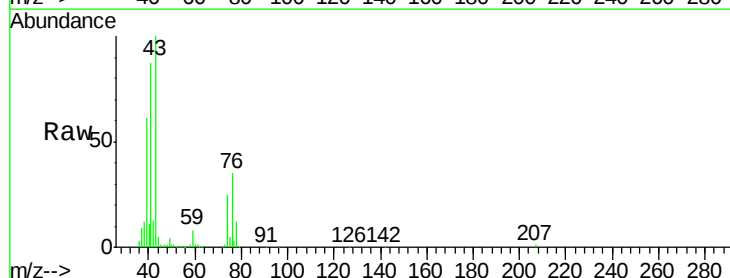
Tgt Ion: 41 Resp: 478805

Ion Ratio Lower Upper

41 100

39 65.6 62.5 93.7

76 36.6 27.1 40.7





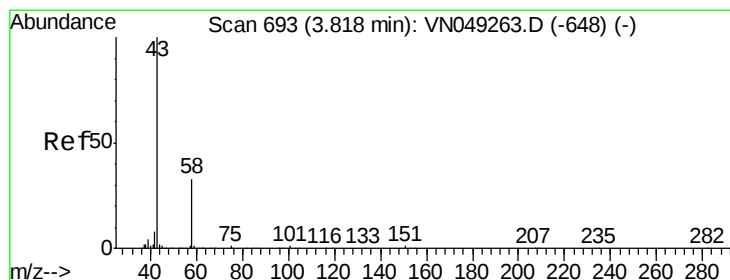
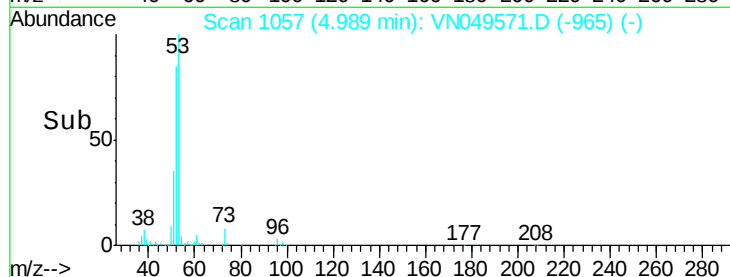
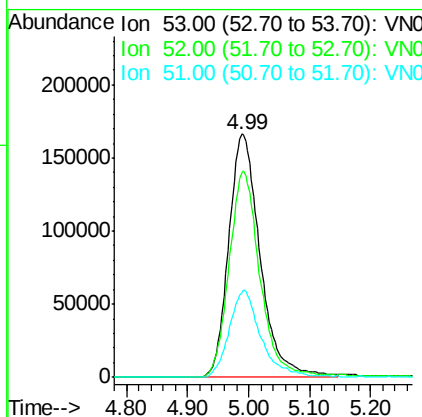
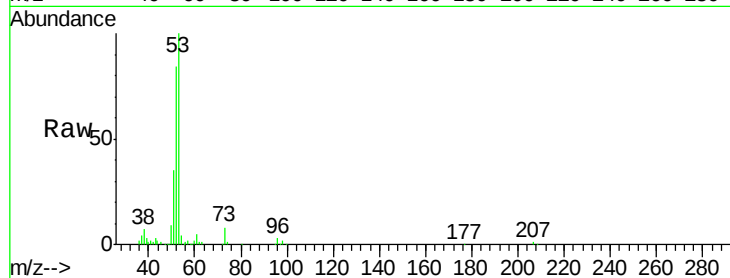
#15
 Acrylonitrile
 Concen: 90.12 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion:	53	Resp:	596937
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.8	29.8	44.8

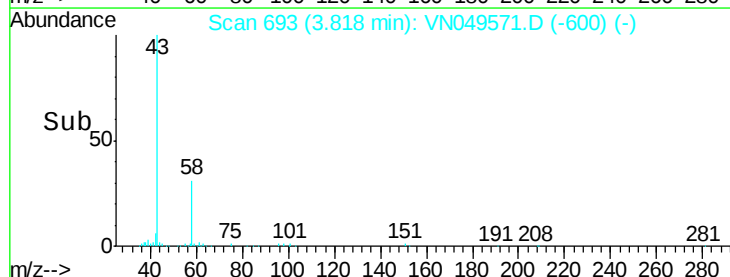
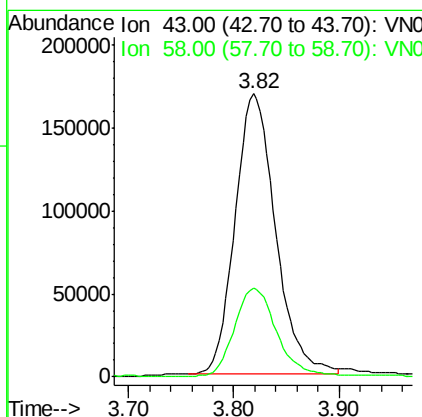
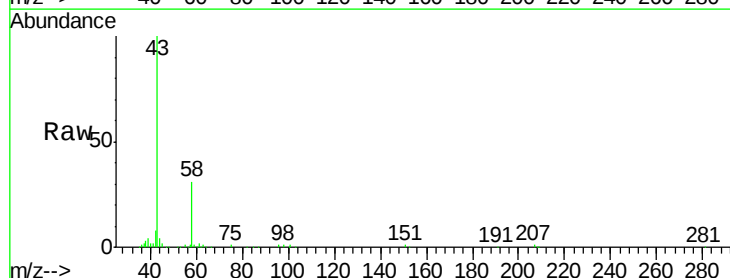
Manual Integrations
 APPROVED

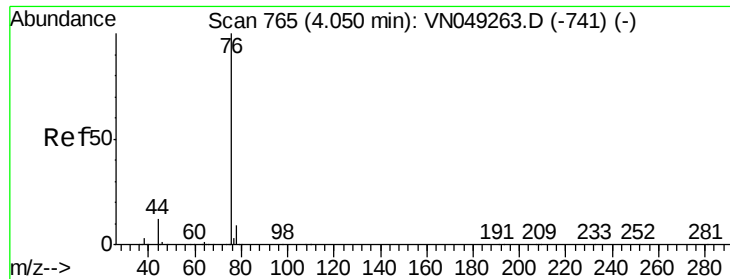
MMDadoda
 6/28/2018 4:38:10 PM



#16
 Acetone
 Concen: 82.54 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion:	43	Resp:	452306
Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.4	33.6





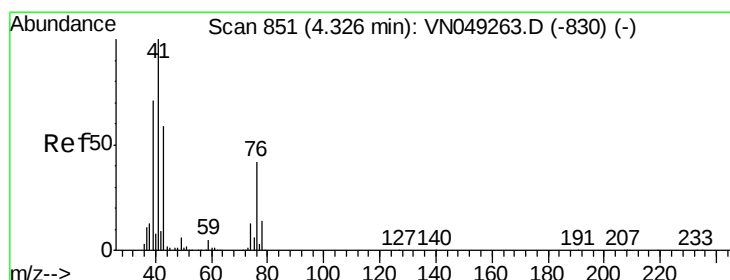
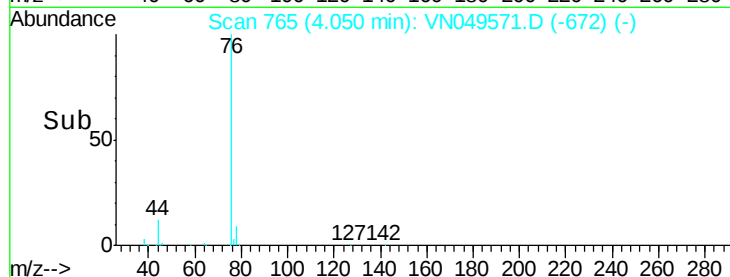
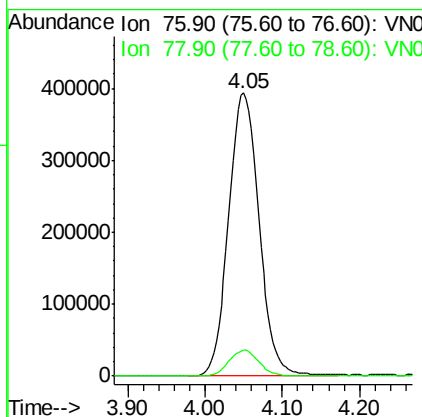
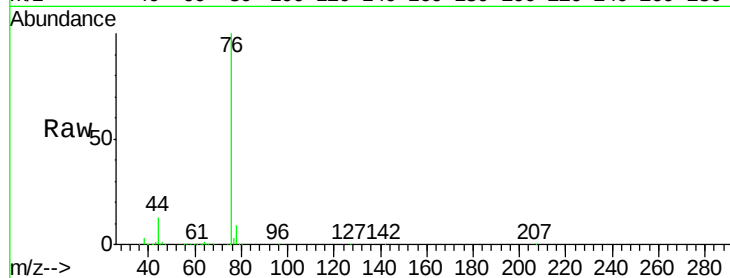
#17
Carbon Disulfide
Concen: 17.66 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion: 76 Resp: 1079996
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

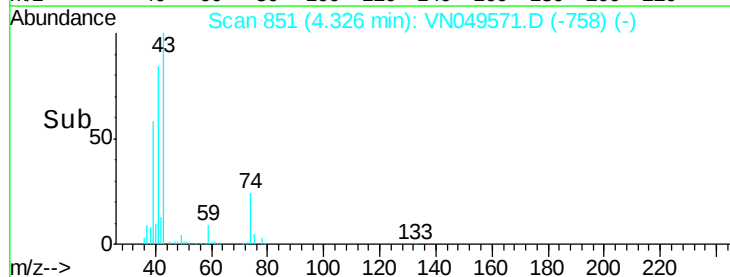
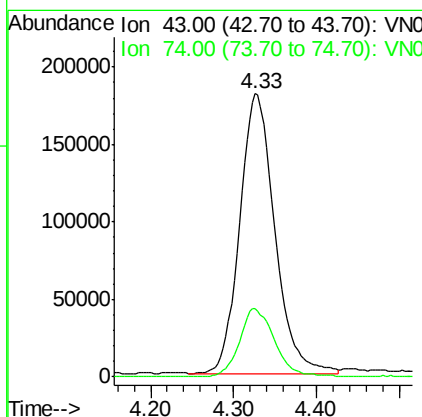
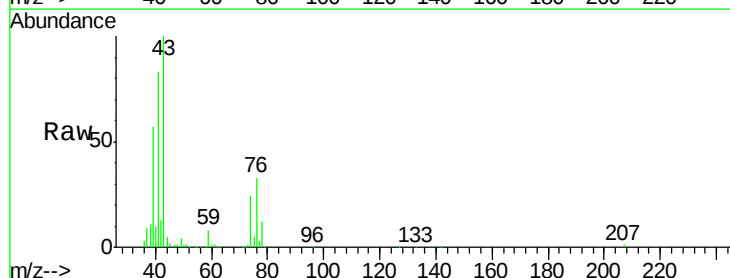
Manual Integrations
APPROVED

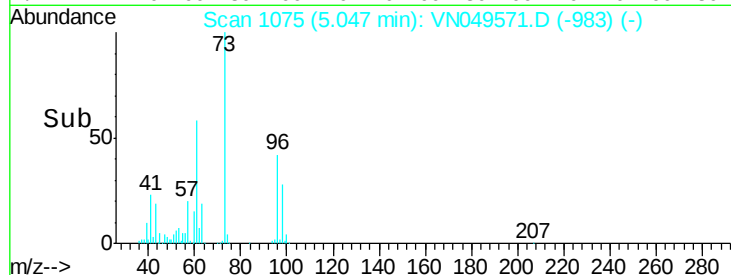
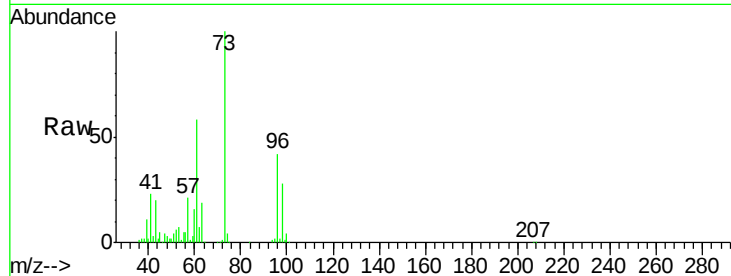
MMDadoda
6/28/2018 4:38:10 PM



#18
Methyl Acetate
Concen: 31.84 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 43 Resp: 532007
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0





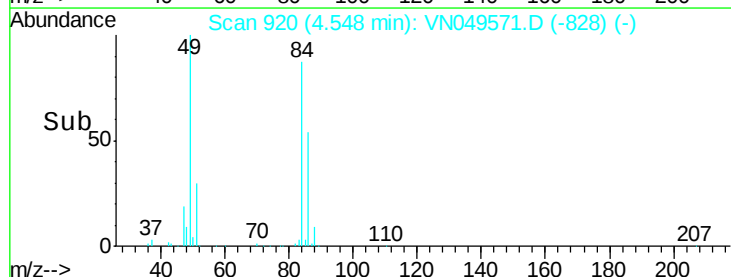
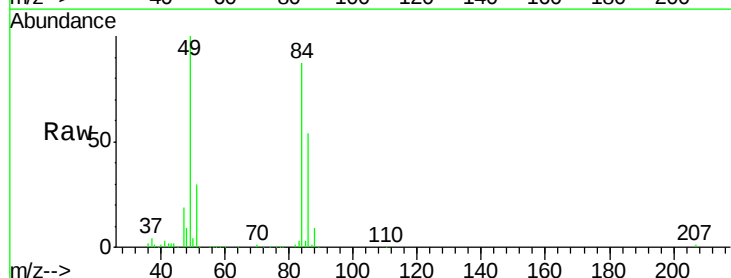
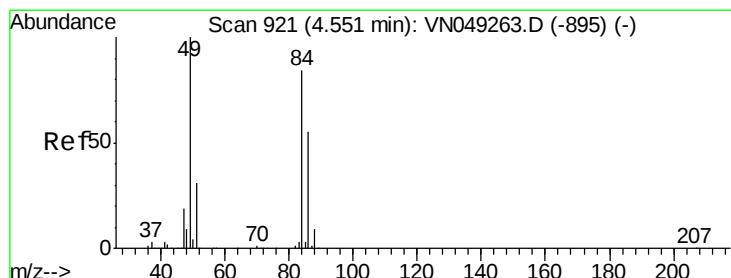
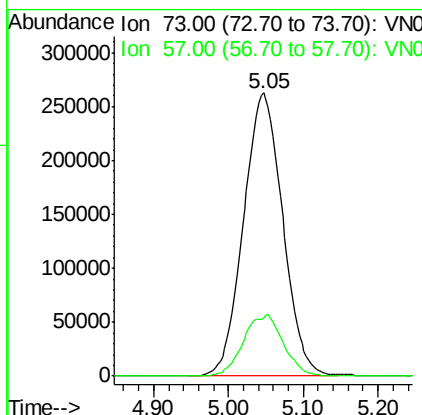
#19
Methyl tert-butyl Ether
Concen: 19.26 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tot Ion: 73 Resp: 958030
Ion Ratio Lower Upper
73 100
57 20.7 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

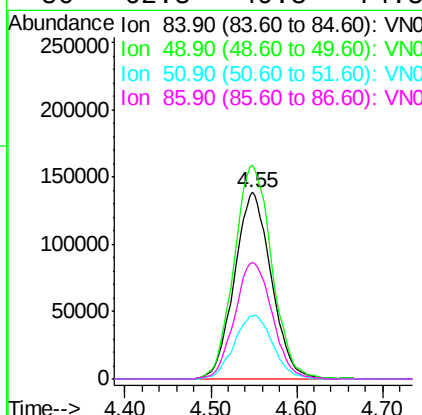
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#20
Methylene Chloride
Concen: 18.10 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 84 Resp: 414204
Ion Ratio Lower Upper
84 100
49 114.2 106.9 160.3
51 33.9 32.7 49.1
86 62.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.34 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

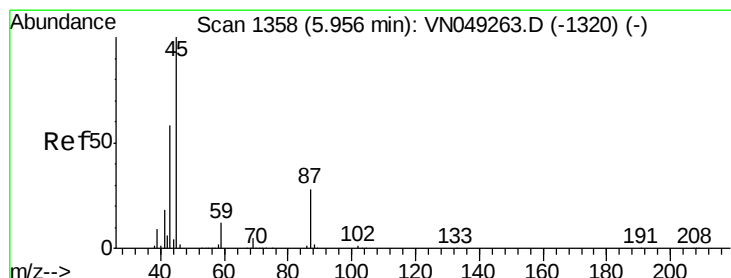
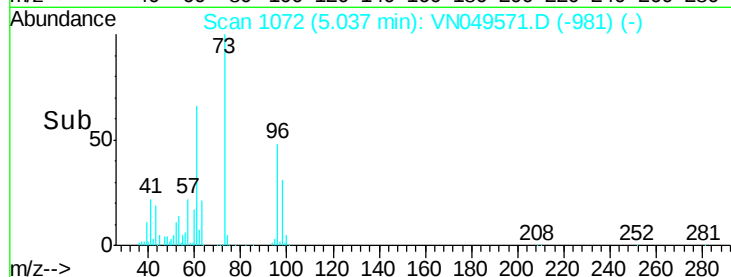
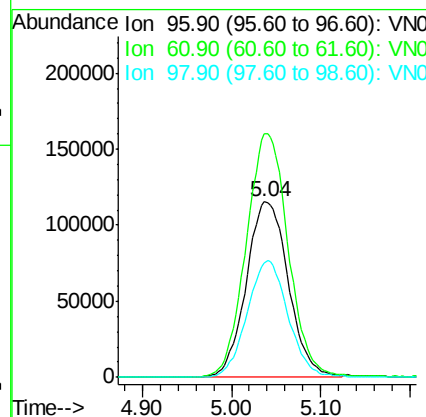
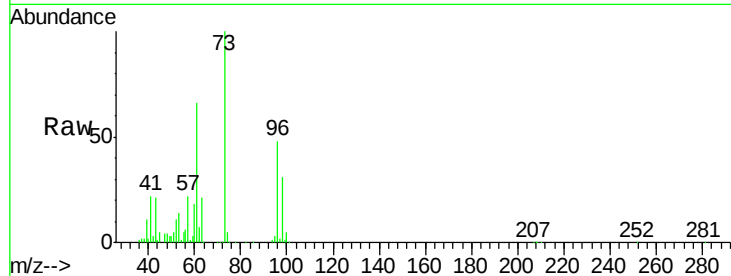
ClientSampleId :

VN0627WBSD01

Tot Ion:	96	Resp:	378803
Ion	Ratio	Lower	Upper
96	100		
61	138.9	121.3	181.9
98	65.4	52.0	78.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#22

Diisopropyl ether

Concen: 19.28 ug/l

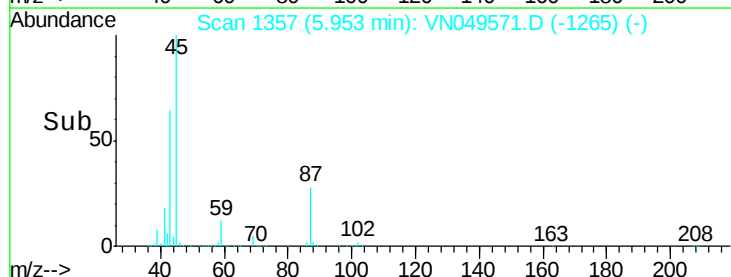
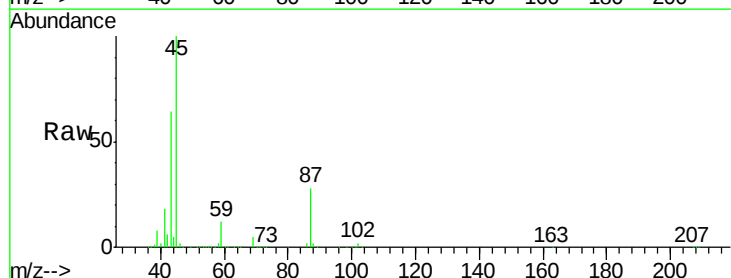
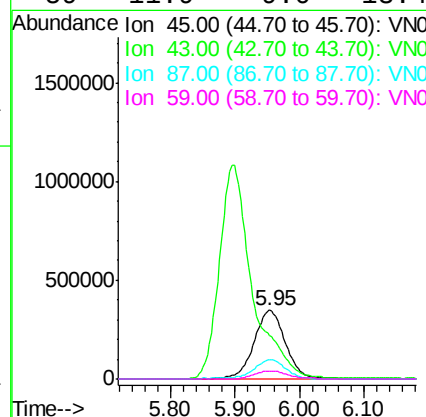
RT: 5.95 min Scan# 1357

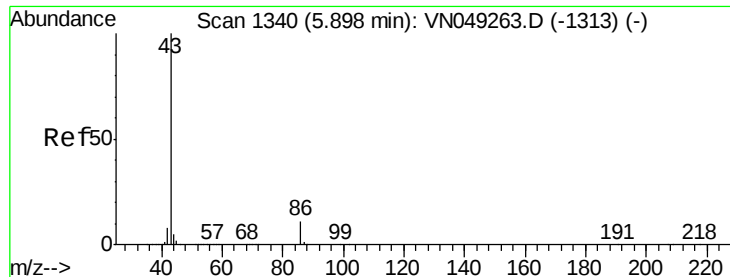
Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	45	Resp:	1186403
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.6	72.8
87	27.5	20.2	30.2
59	11.9	9.0	13.4





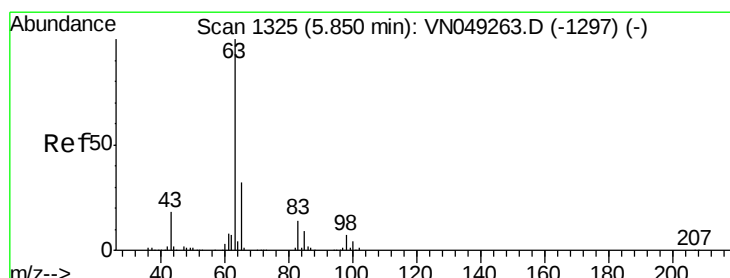
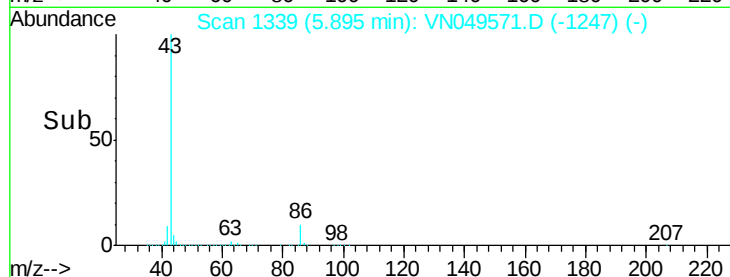
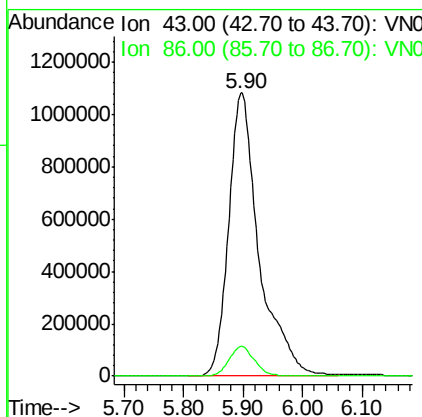
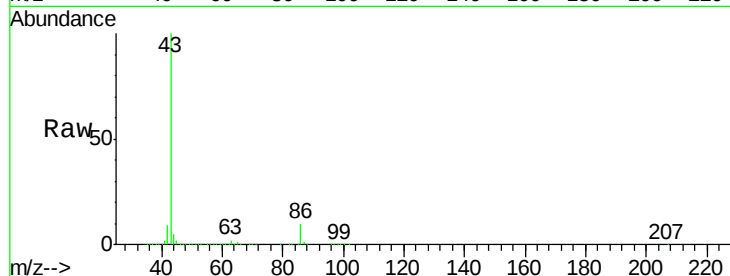
#23
 Vinyl Acetate
 Concen: 95.92 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion: 43 Resp: 3847006
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.2 10.8

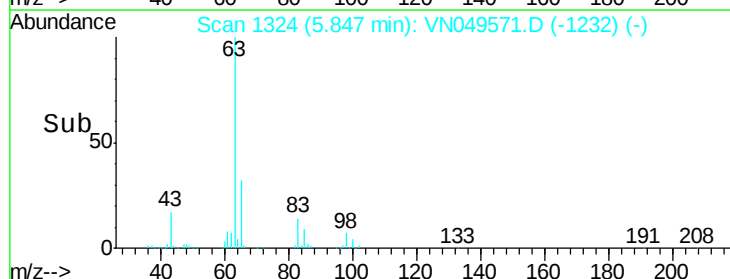
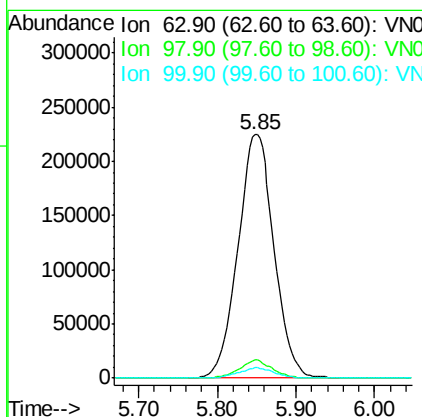
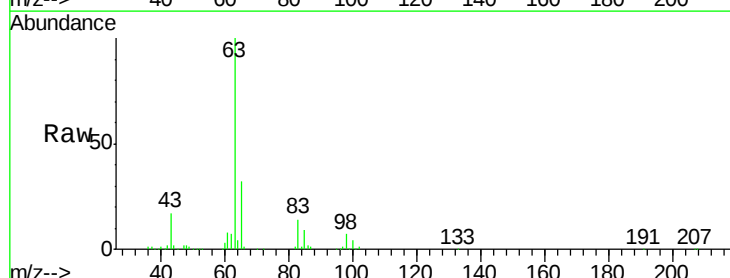
Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:38:10 PM



#24
 1,1-Dichloroethane
 Concen: 18.36 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion: 63 Resp: 722947
 Ion Ratio Lower Upper
 63 100
 98 7.5 2.9 8.8
 100 4.3 2.1 6.3





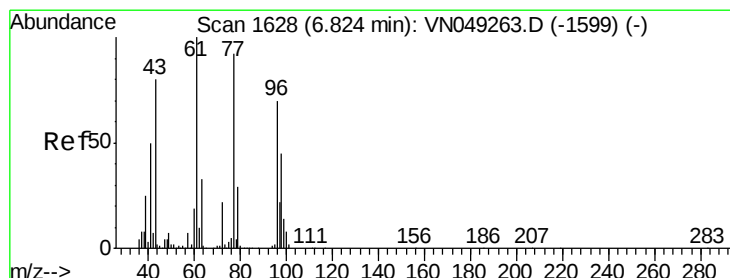
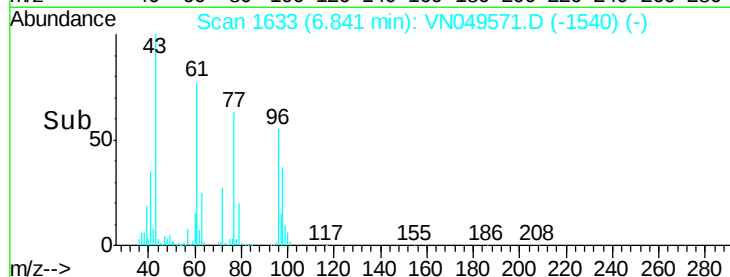
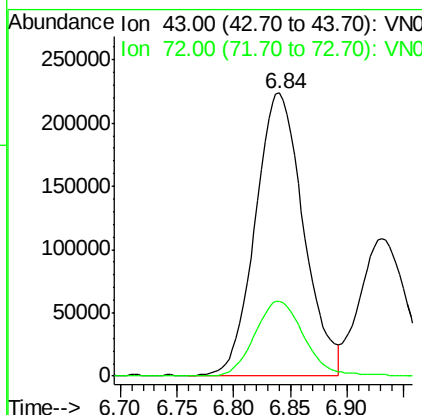
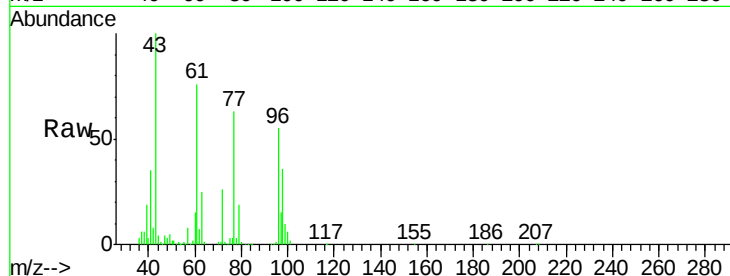
#25
2-Butanone
Concen: 89.38 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion: 43 Resp: 657706
Ion Ratio Lower Upper
43 100
72 26.6 20.2 30.2

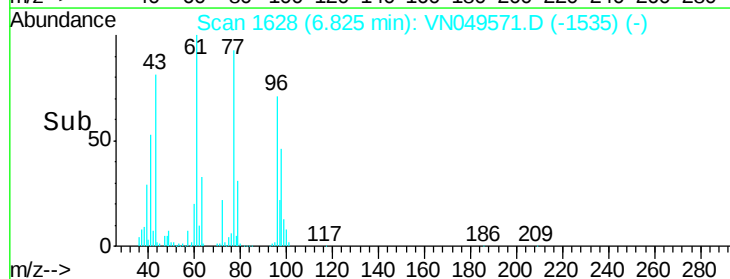
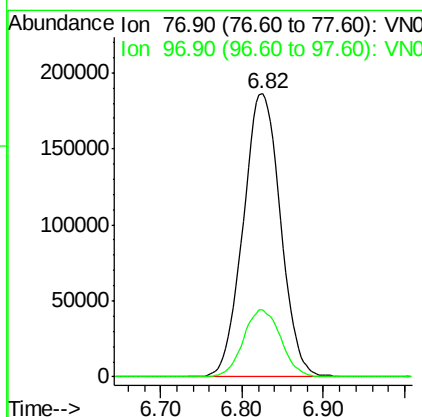
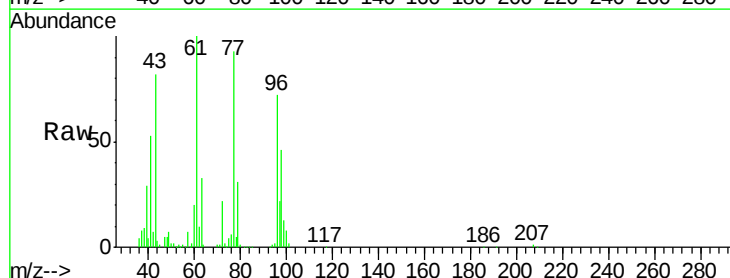
Manual Integrations
APPROVED

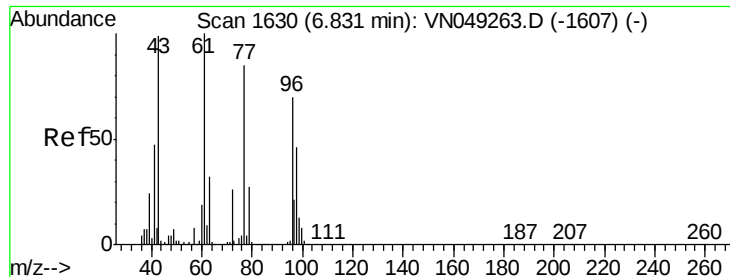
MMDadoda
6/28/2018 4:38:10 PM



#26
2,2-Dichloropropane
Concen: 18.53 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 77 Resp: 589359
Ion Ratio Lower Upper
77 100
97 23.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.66 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

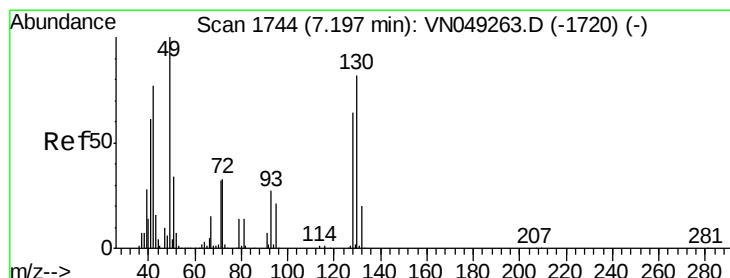
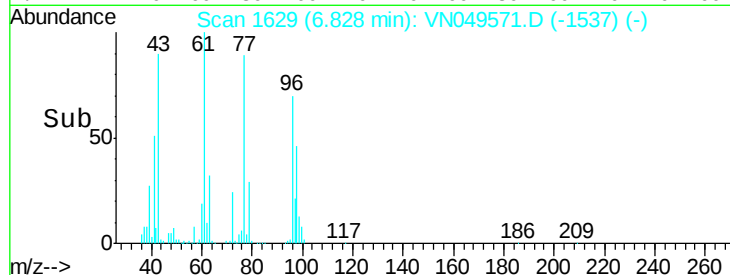
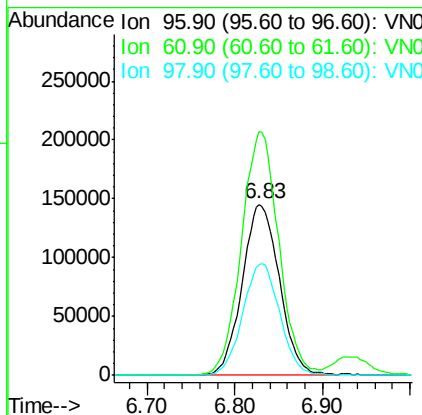
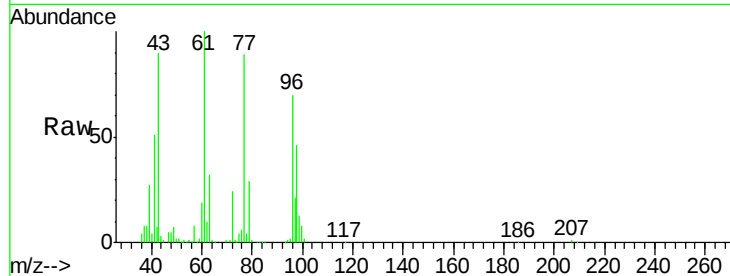
ClientSampleId :

VN0627WBSD01

Tot Ion:	96	Resp:	428509
Ion Ratio	Lower	Upper	
96	100		
61	142.7	0.0	316.4
98	65.3	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#28

Bromochloromethane

Concen: 19.01 ug/l

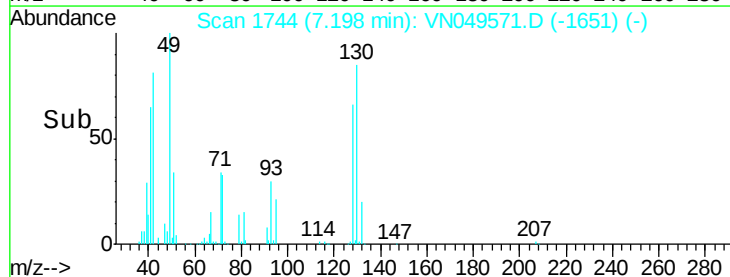
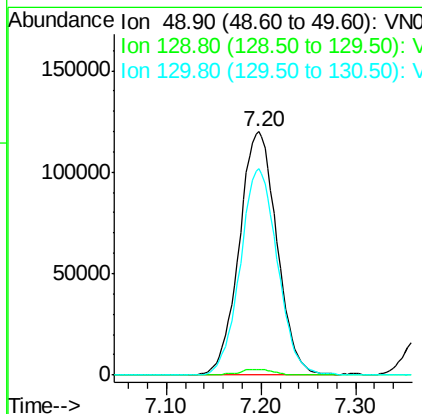
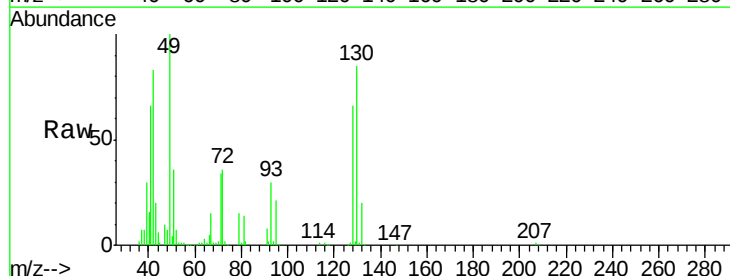
RT: 7.20 min Scan# 1744

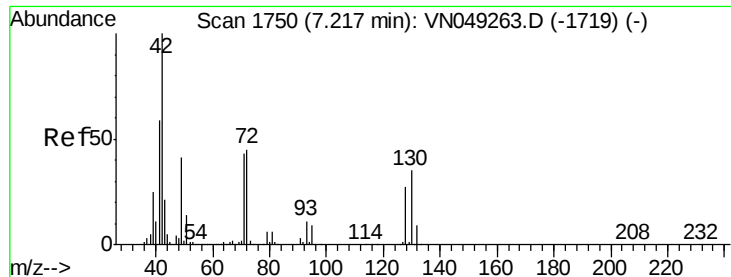
Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	49	Resp:	331865
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	83.9	54.9	82.3#





#29

Tetrahydrofuran

Concen: 93.42 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

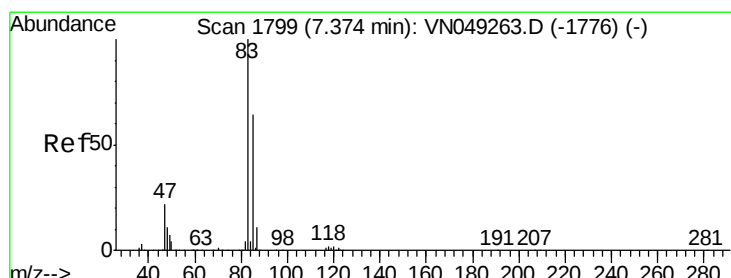
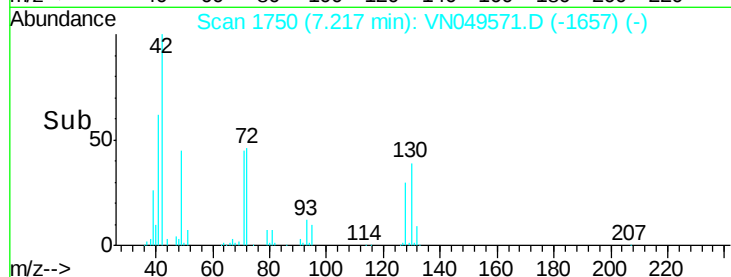
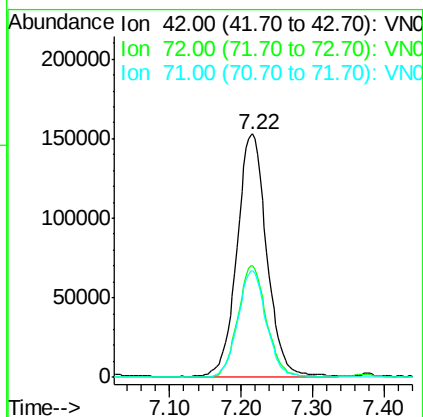
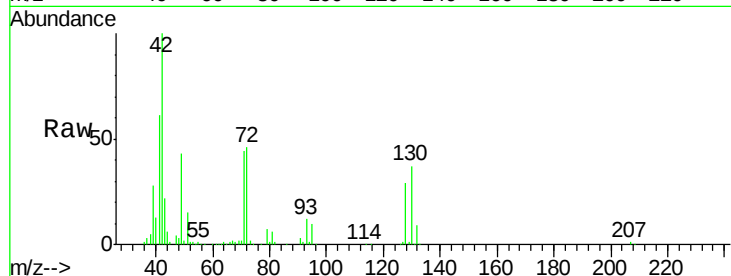
ClientSampleId :

VN0627WBSD01

Tot Ion:	42	Resp:	442497
Ion Ratio		Lower	Upper
42	100		
72	44.2	32.2	48.4
71	42.2	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#30

Chloroform

Concen: 18.62 ug/l

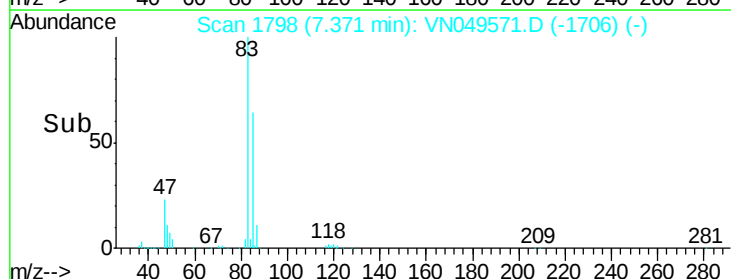
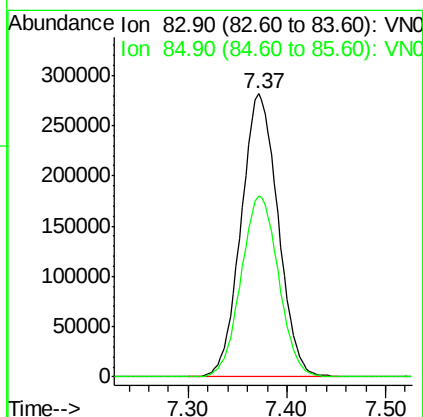
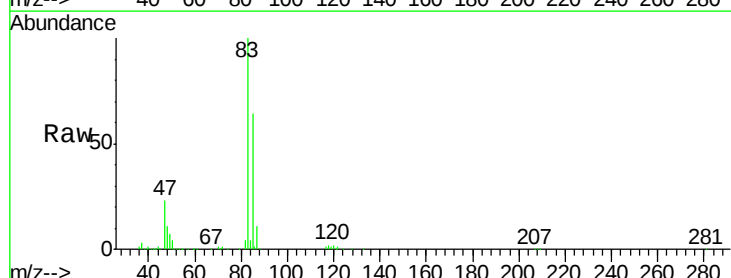
RT: 7.37 min Scan# 1798

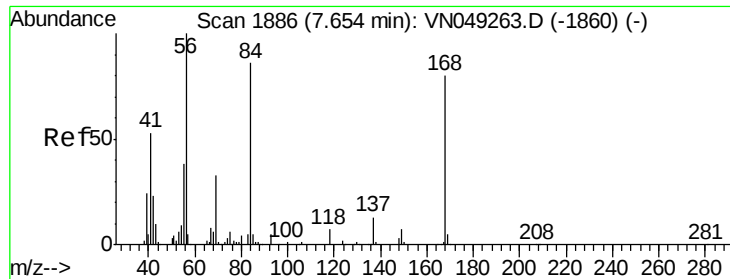
Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	83	Resp:	729513
Ion Ratio		Lower	Upper
83	100		
85	63.8	51.7	77.5





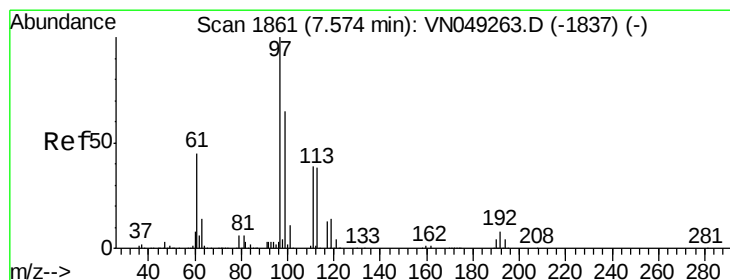
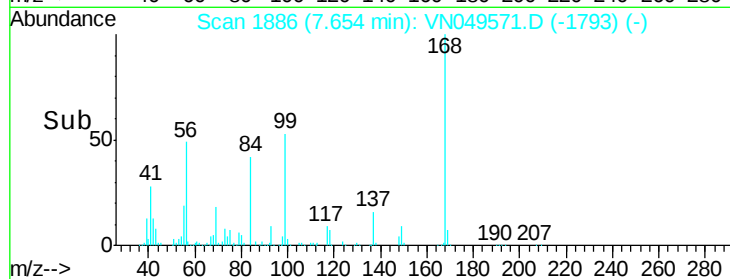
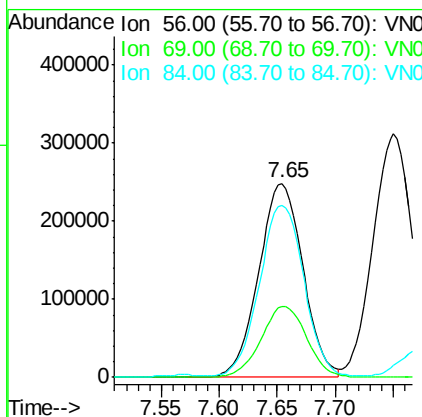
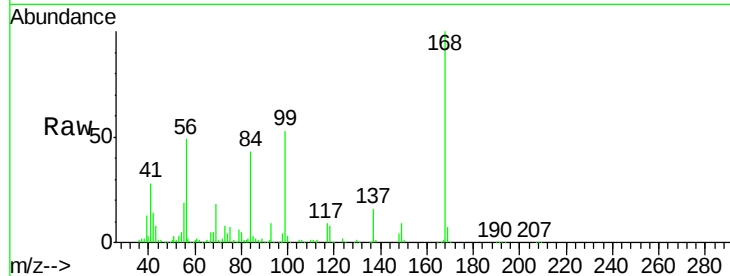
#31
Cyclohexane
Concen: 19.64 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.0	37.4
84	87.6	64.6	96.8

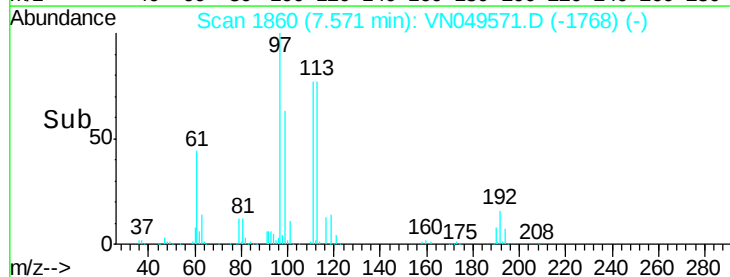
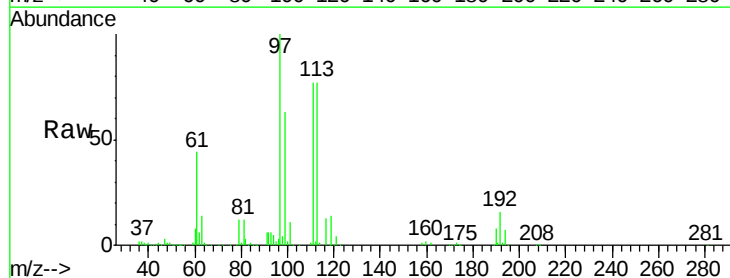
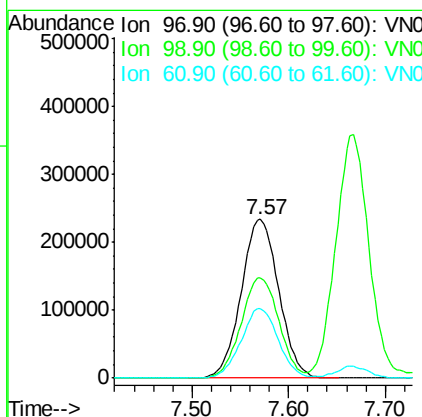
Manual Integrations
APPROVED

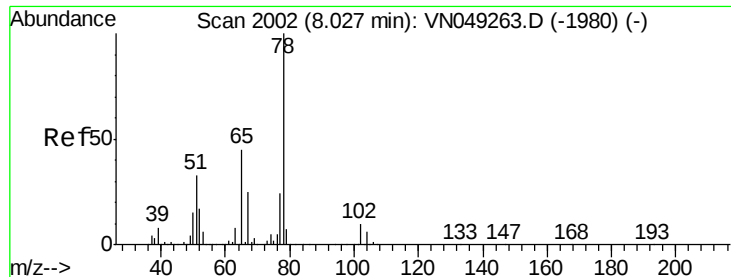
MMDadoda
6/28/2018 4:38:10 PM



#32
1,1,1-Trichloroethane
Concen: 18.89 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.5	75.7
61	43.2	37.9	56.9





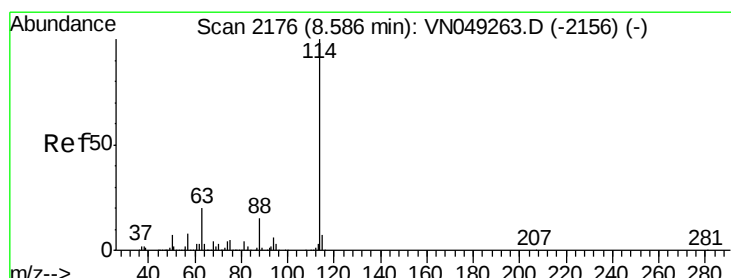
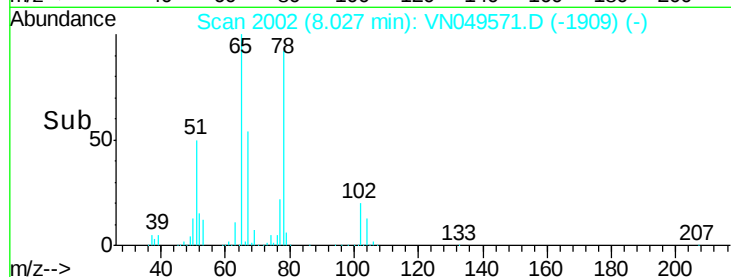
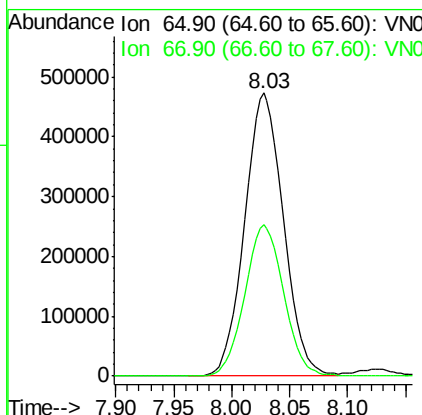
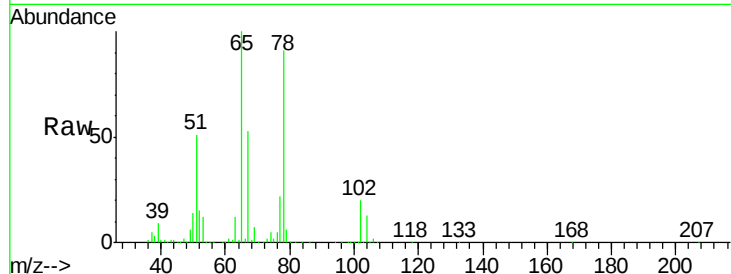
#33
 1,2-Dichloroethane-d4
 Concen: 48.85 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion: 65 Resp: 1102466
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8

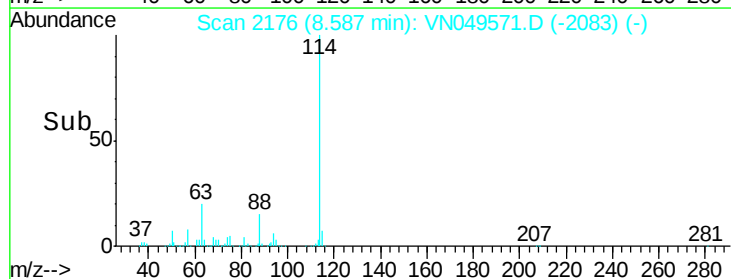
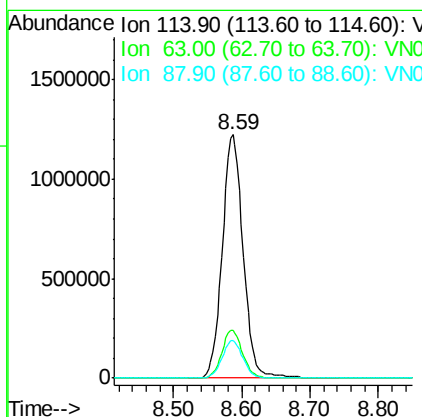
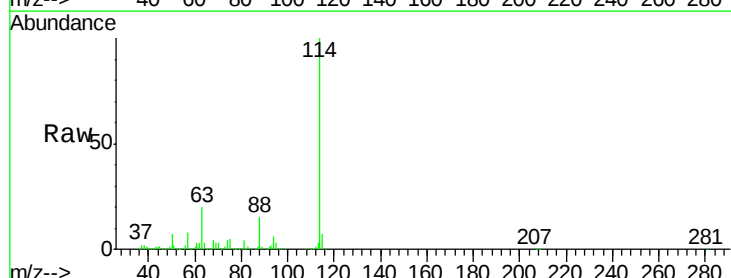
Manual Integrations
 APPROVED

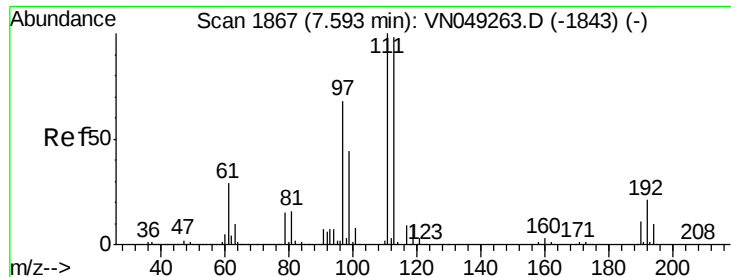
MMDadoda
 6/28/2018 4:38:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion: 114 Resp: 2597419
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 44.4
 88 15.3 0.0 31.4





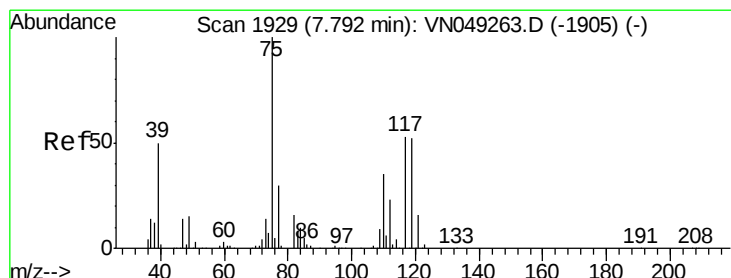
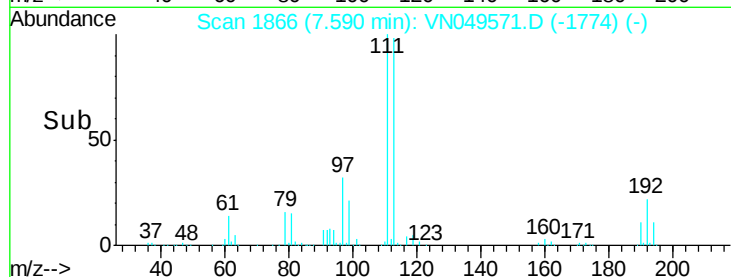
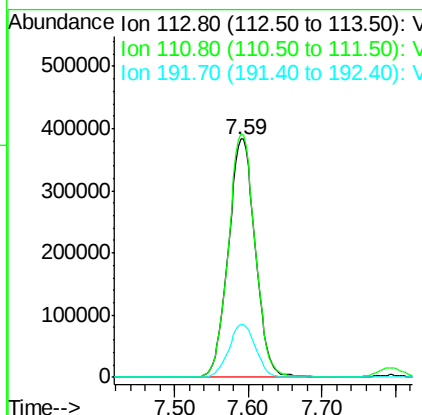
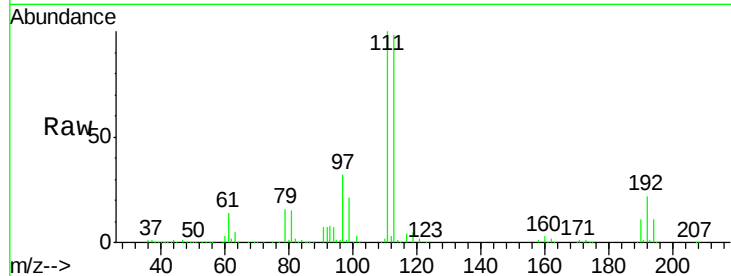
#35
Dibromofluoromethane
Concen: 46.36 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	974130		
111	101.6	82.4	123.6	
192	22.2	15.0	22.6	

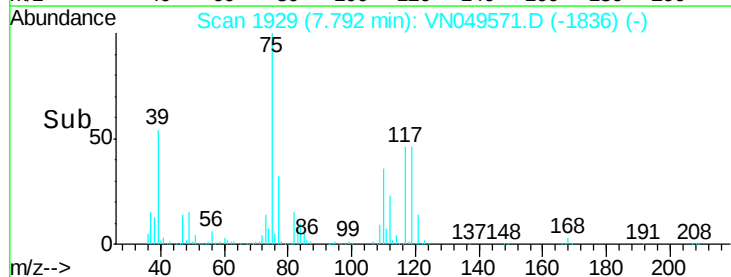
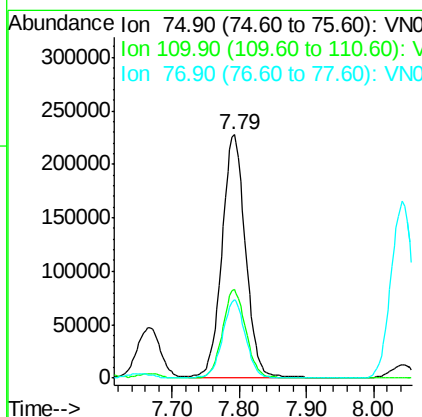
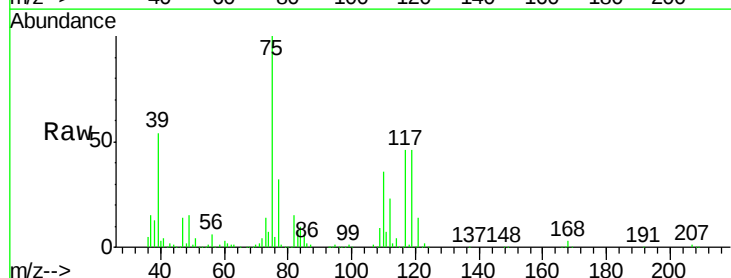
Manual Integrations
APPROVED

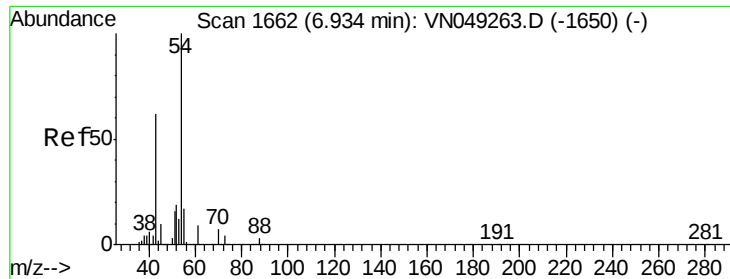
MMDadoda
6/28/2018 4:38:10 PM



#36
1,1-Dichloropropene
Concen: 18.67 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	555805		
110	35.9	17.0	50.9	
77	31.0	24.4	36.6	





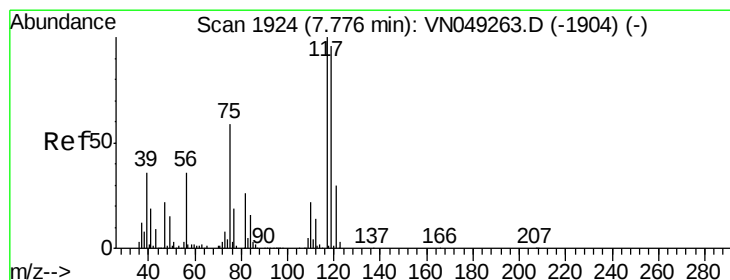
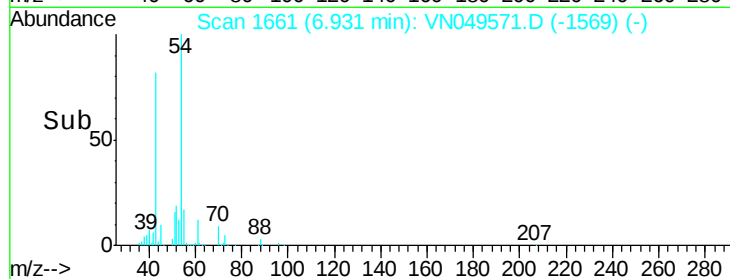
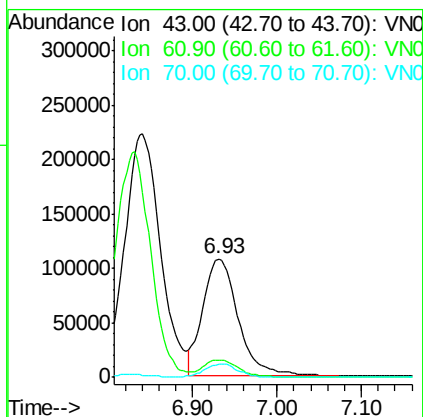
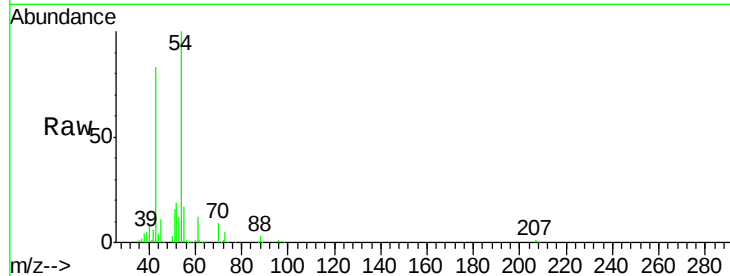
#37
Ethyl Acetate
Concen: 19.47 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	11.0	7.2	10.8

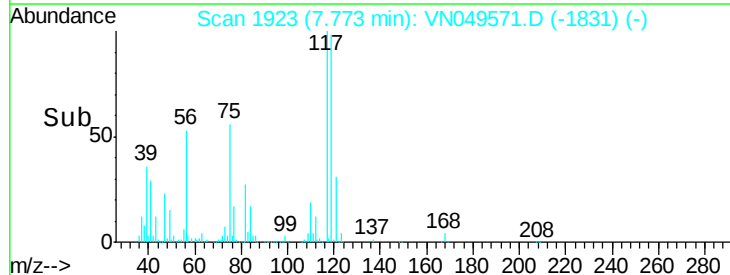
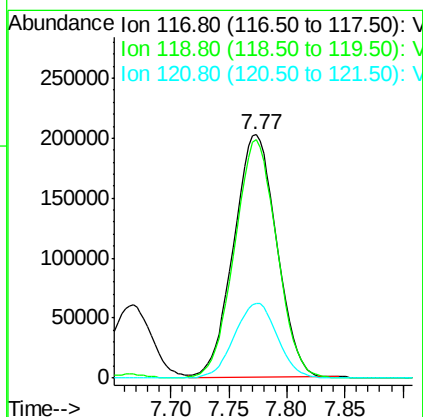
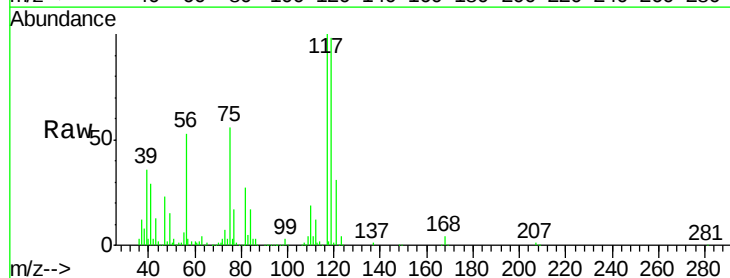
Manual Integrations
APPROVED

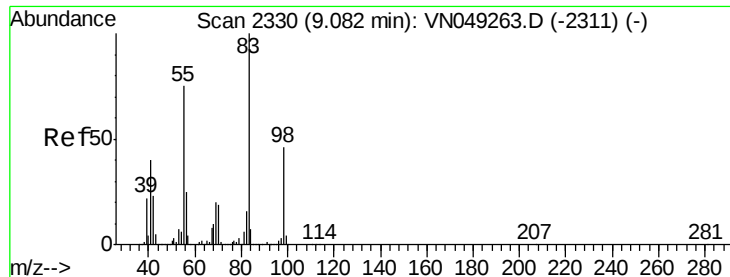
MMDadoda
6/28/2018 4:38:10 PM



#38
Carbon Tetrachloride
Concen: 16.90 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.6	113.4
121	30.9	24.7	37.1





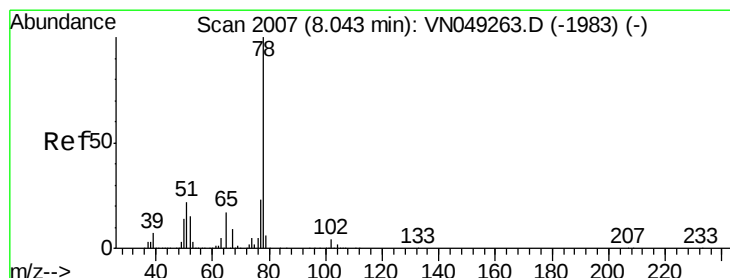
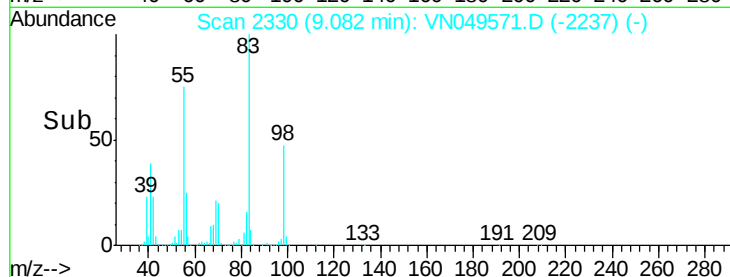
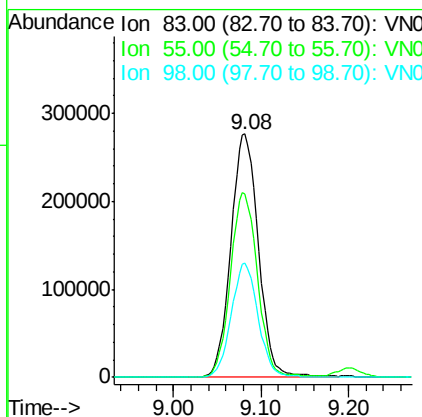
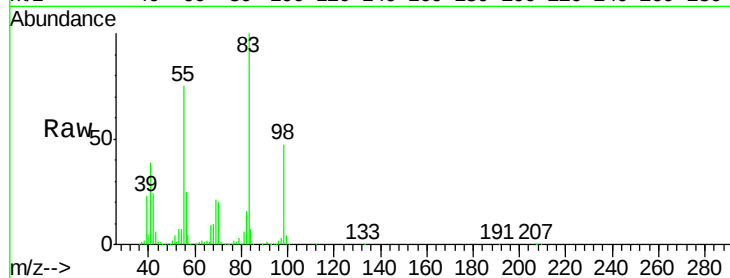
#39
Methvlcvclohexane
Concen: 18.98 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	65.1	97.7
98	47.2	36.5	54.7

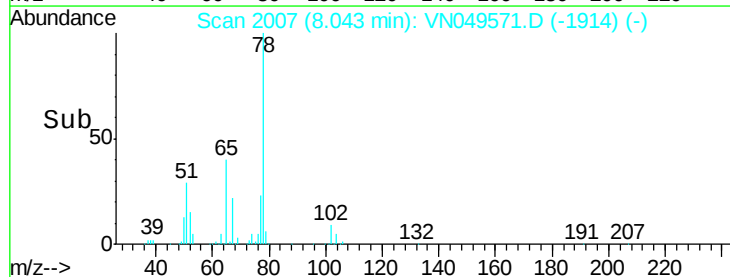
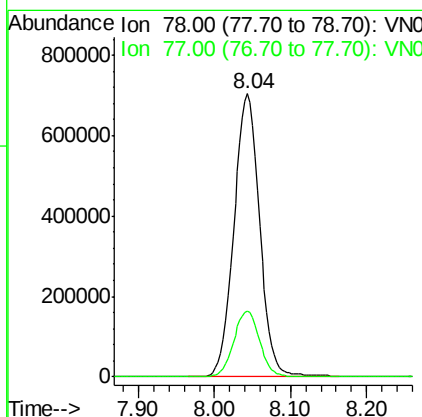
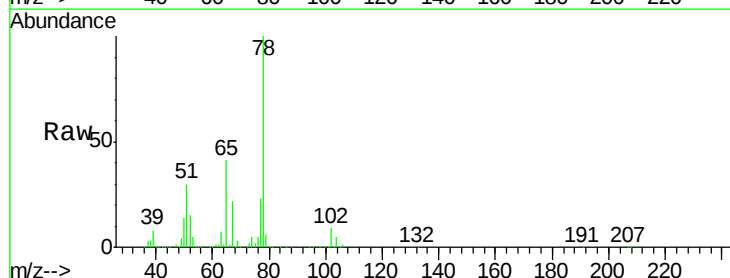
Manual Integrations
APPROVED

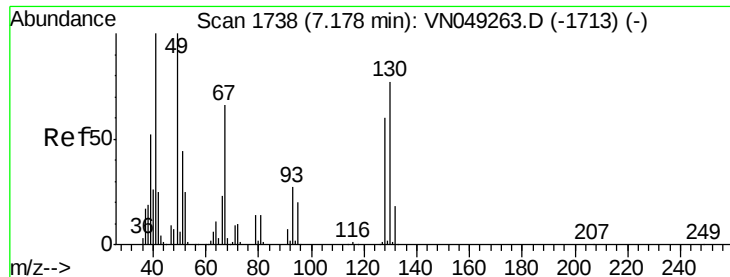
MMDadoda
6/28/2018 4:38:10 PM



#40
Benzene
Concen: 18.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





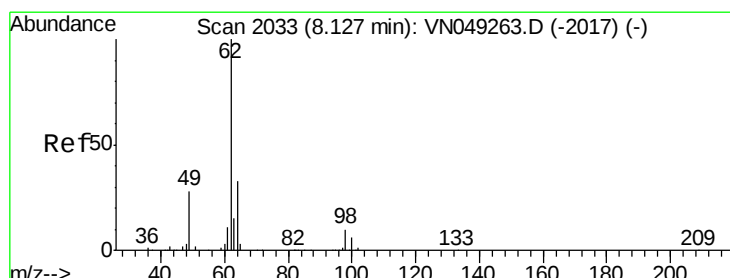
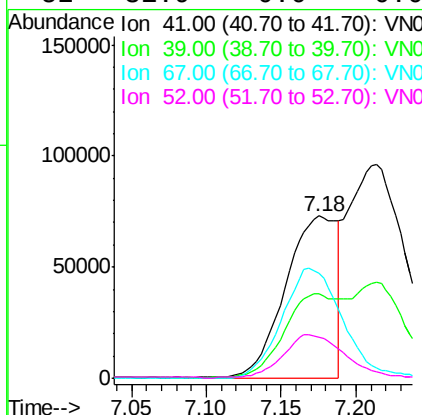
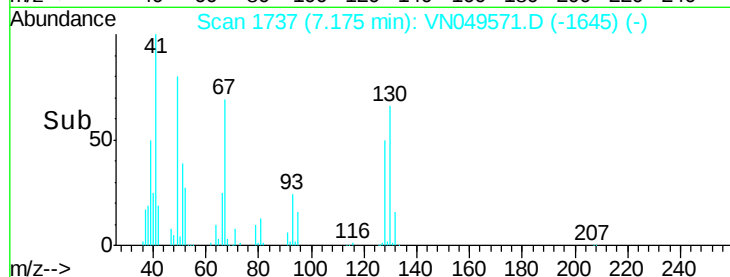
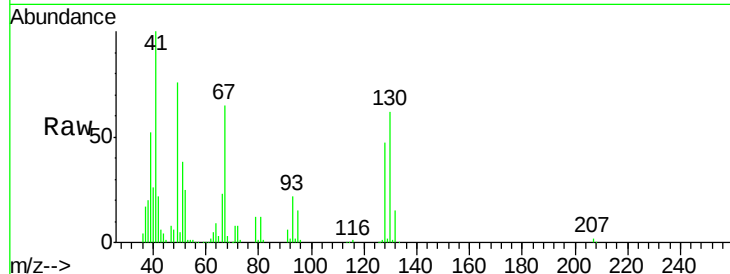
#41
Methacrylonitrile
Concen: 19.72 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.4	0.0	0.0#
67	80.5	0.0	0.0#
52	31.9	0.0	0.0#

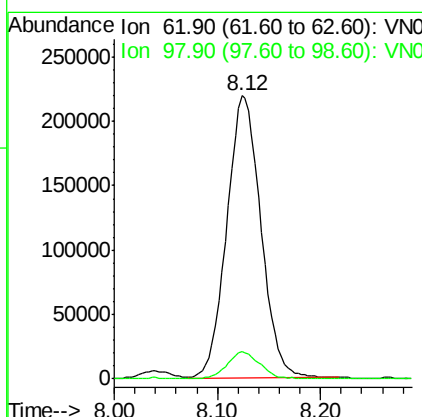
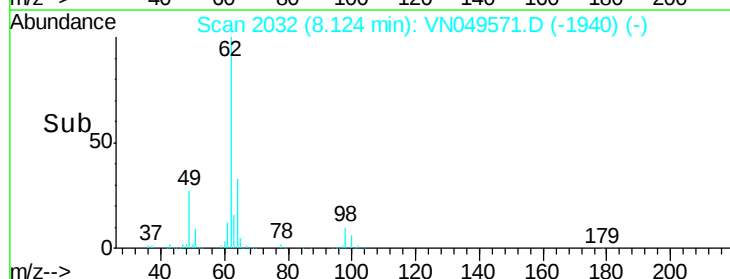
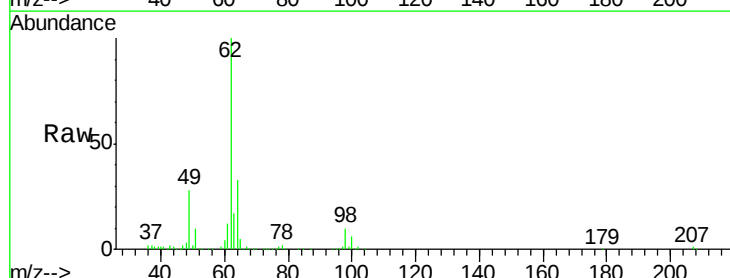
Manual Integrations
APPROVED

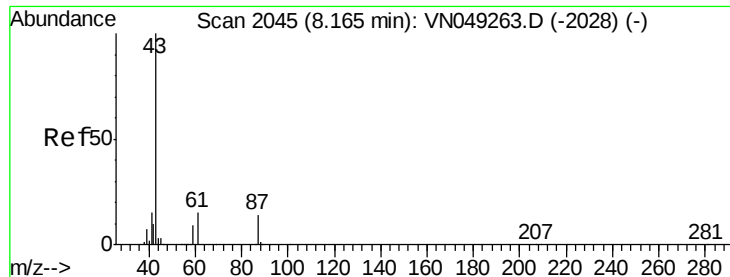
MMDadoda
6/28/2018 4:38:10 PM



#42
1,2-Dichloroethane
Concen: 17.92 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

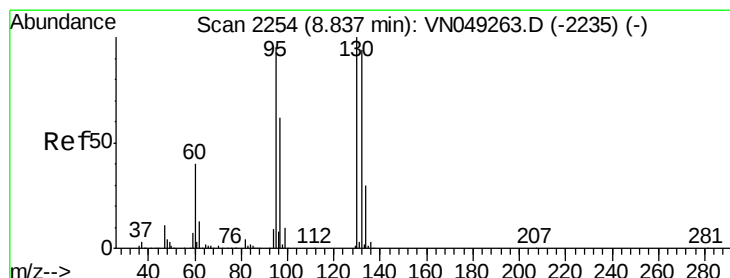
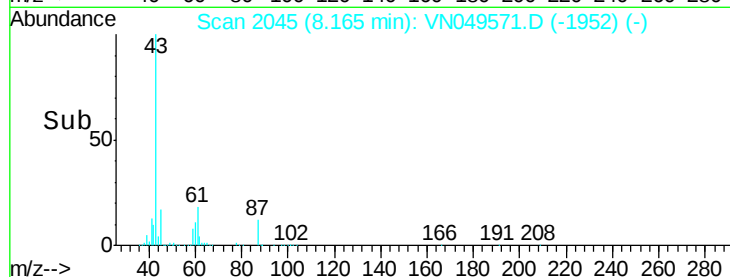
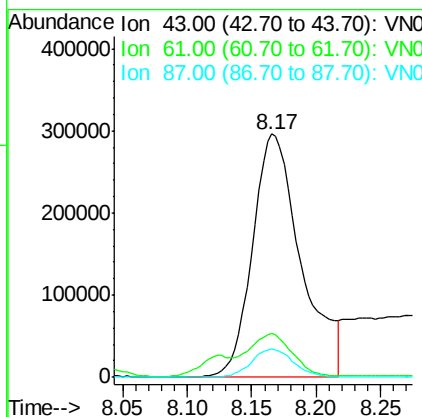
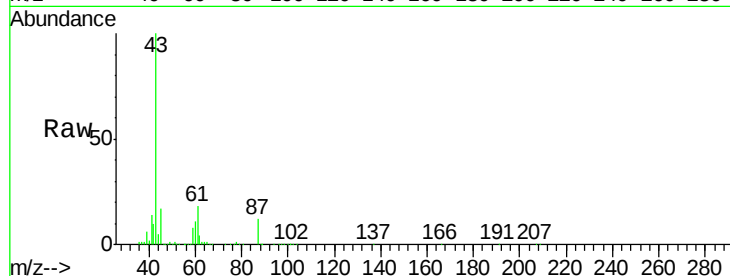
Isopropyl Acetate
 Concen: 25.02 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	14.2	21.4
87	10.2	9.4	14.0

Manual Integrations
 APPROVED

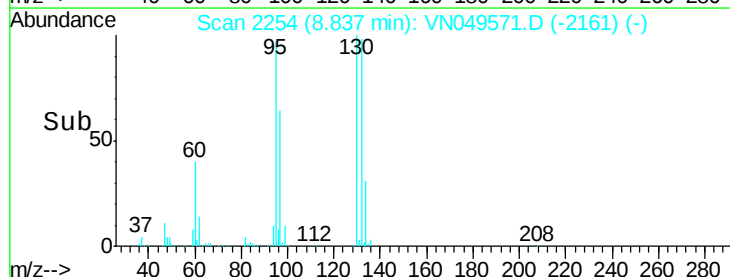
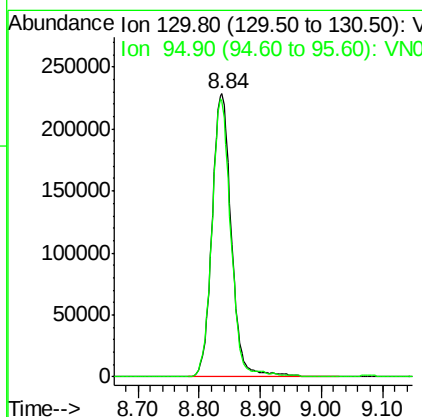
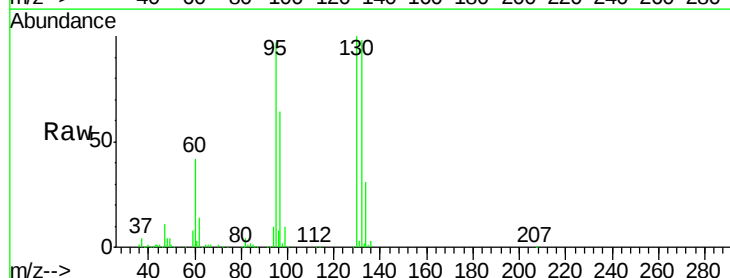
MMDadoda
 6/28/2018 4:38:10 PM



#44

Trichloroethene
 Concen: 20.92 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.03 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 63 Resp: 430852

Ion Ratio Lower Upper

63 100

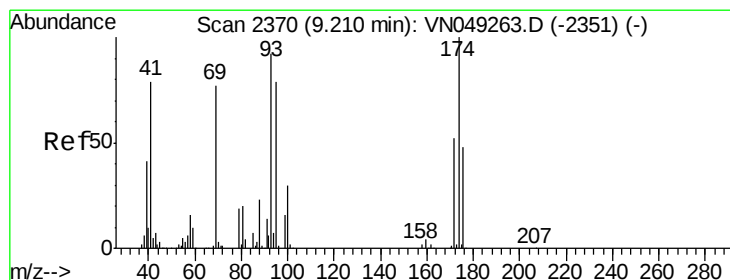
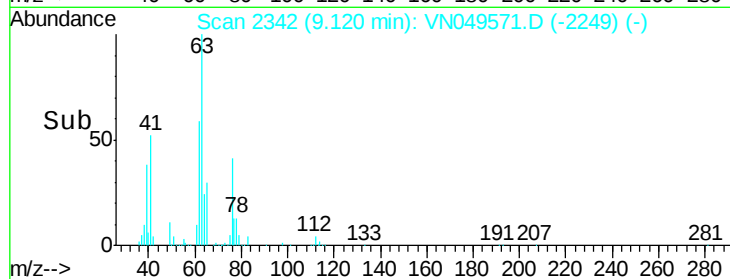
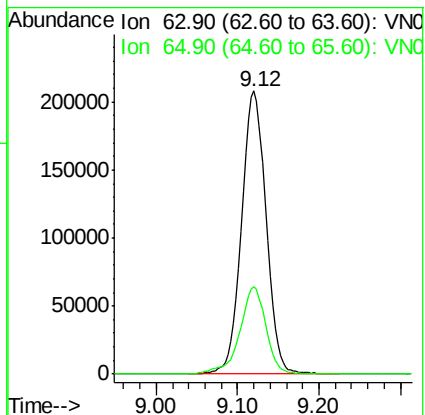
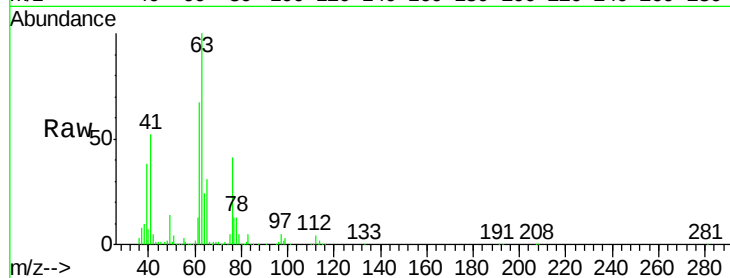
65 31.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:10 PM



#46

Dibromomethane

Concen: 18.15 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

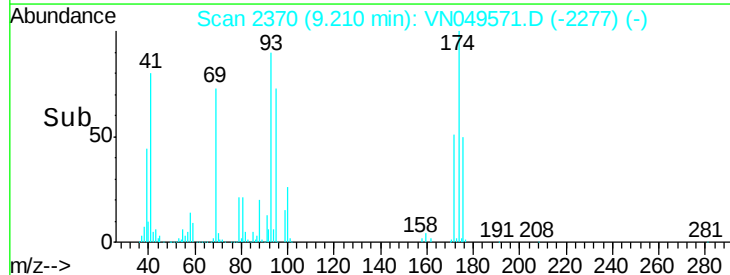
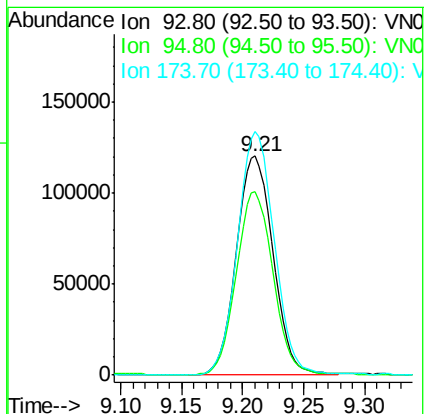
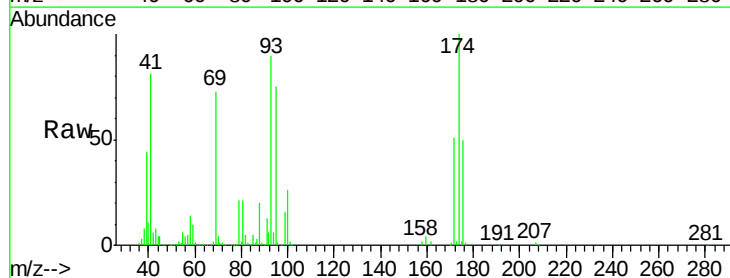
Tgt Ion: 93 Resp: 251477

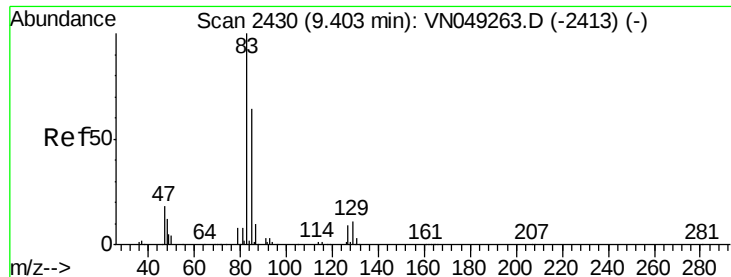
Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

174 111.0 75.6 113.4





#47

Bromodichloromethane

Concen: 17.66 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

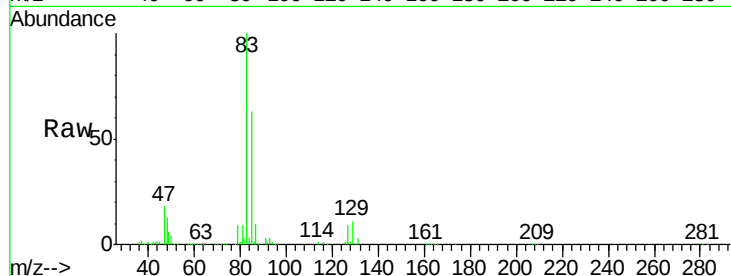
ClientSampleId :

VN0627WBSD01

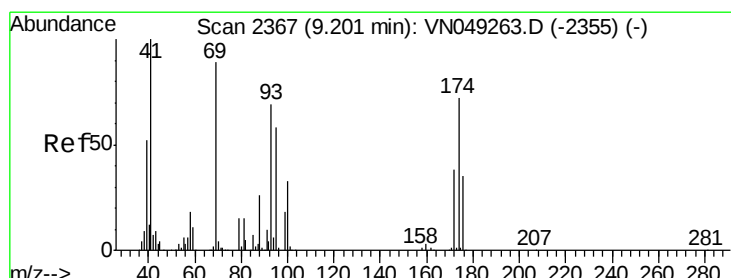
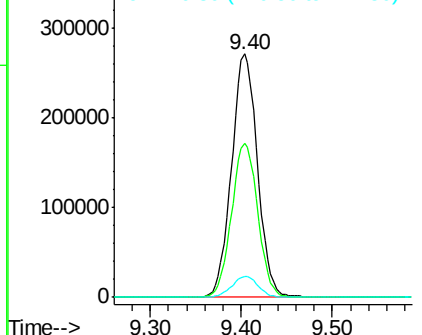
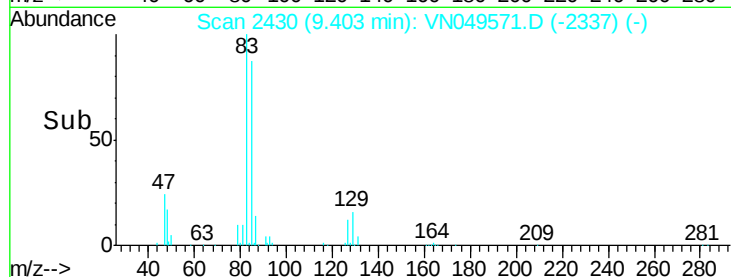
Tot Ion:	83	Resp:	537801
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.4	74.0
127	8.7	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049571.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.52 ug/l

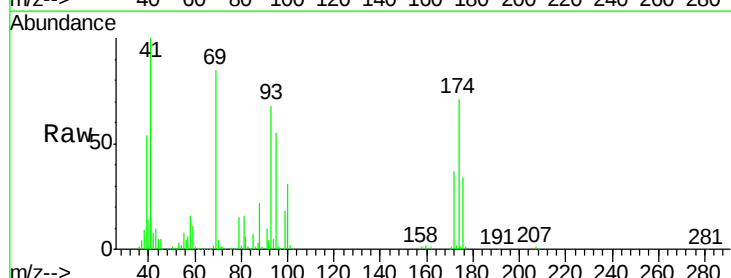
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

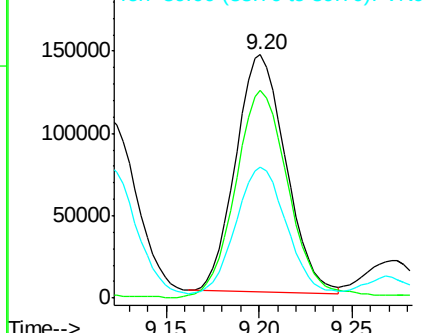
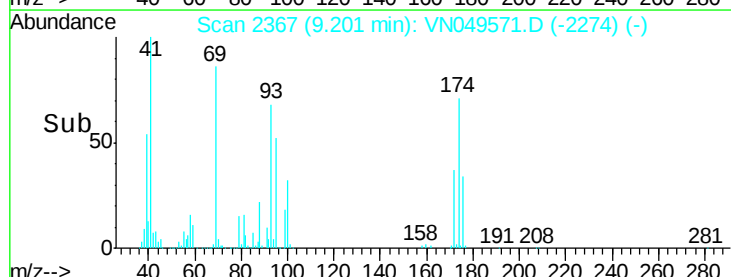
Lab File: VN049571.D

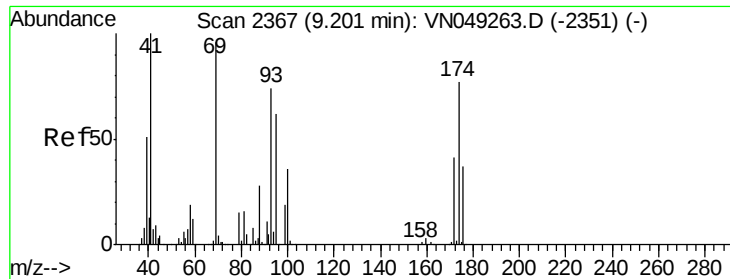
Acq: 27 Jun 2018 14:48

Tgt Ion:	41	Resp:	269720
Ion Ratio	Lower	Upper	
41	100		
69	93.3	62.0	93.0#
39	57.1	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VN049571.D (-2274) (-)





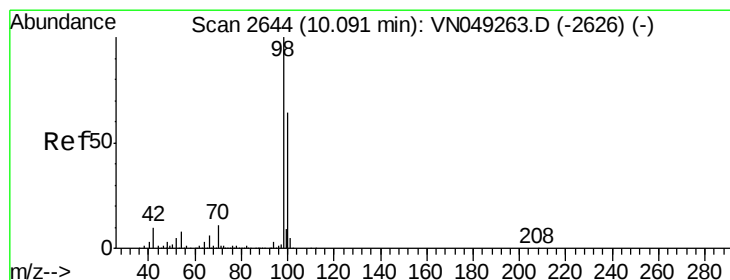
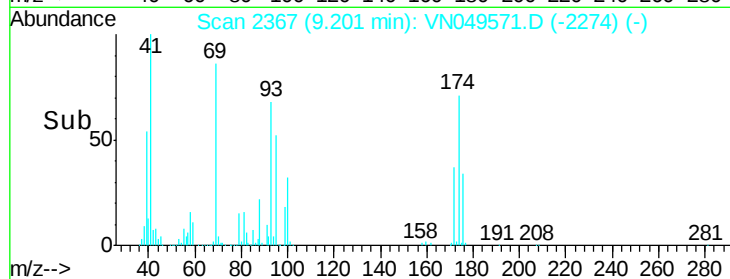
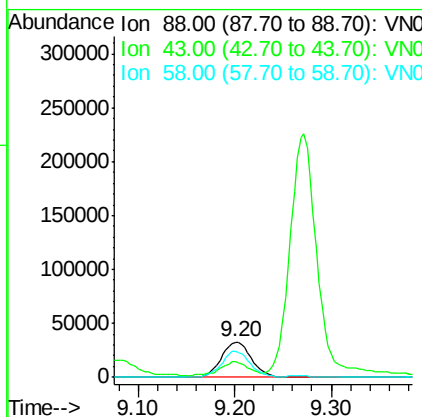
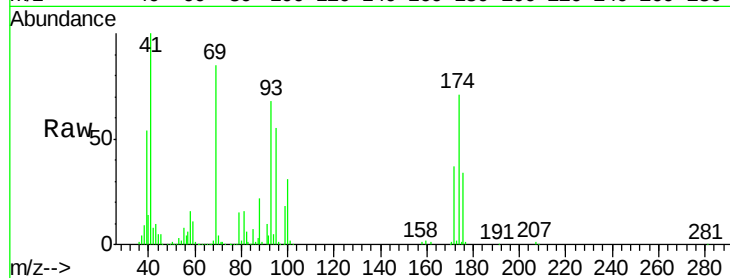
#49
1,4-Dioxane
Concen: 356.64 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	88	Resp	71674
Ion	Ratio	Lower	Upper
88	100		
43	36.0	30.9	46.3
58	68.1	58.9	88.3

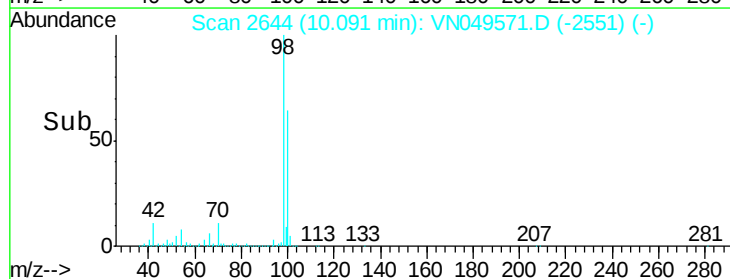
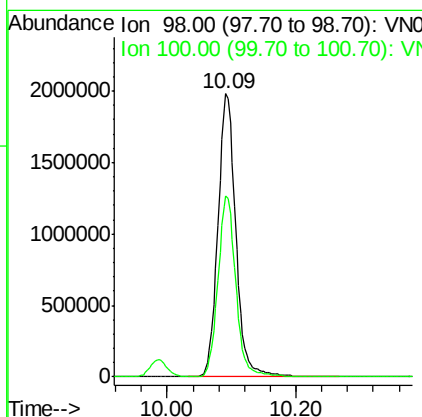
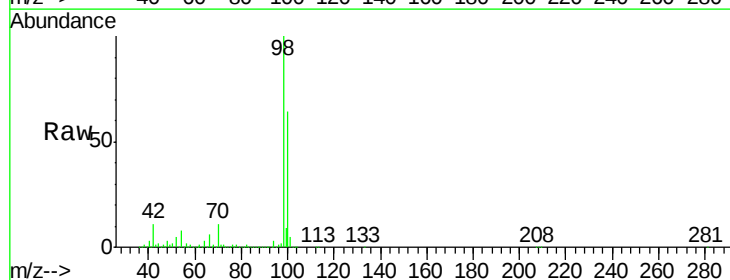
Manual Integrations
APPROVED

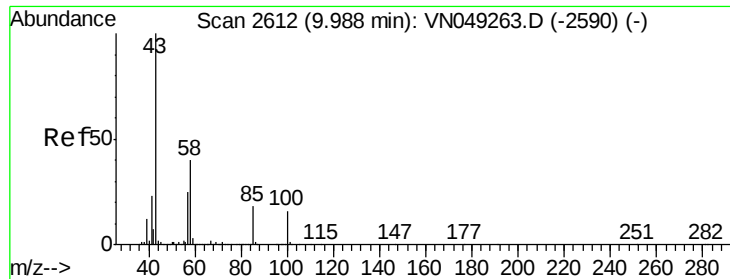
MMDadoda
6/28/2018 4:38:10 PM



#50
Toluene-d8
Concen: 47.58 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	98	Resp	3807509
Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.8





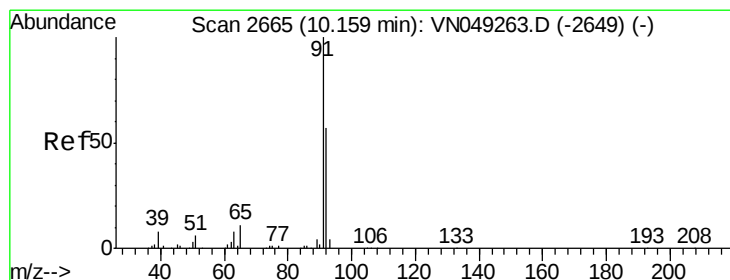
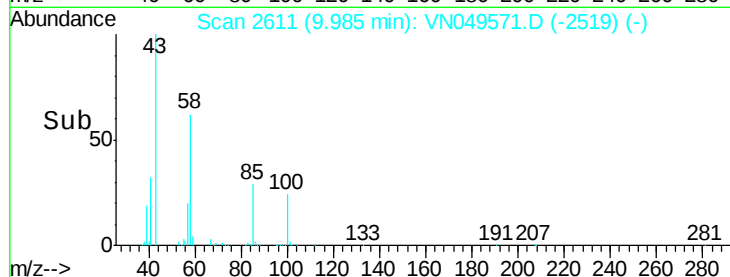
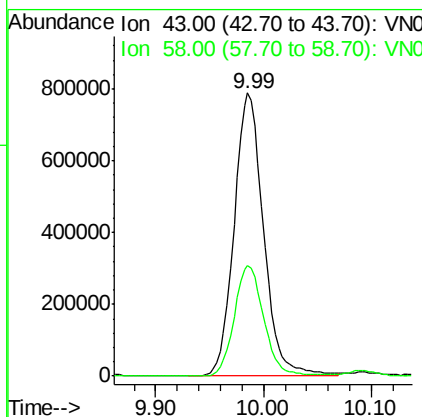
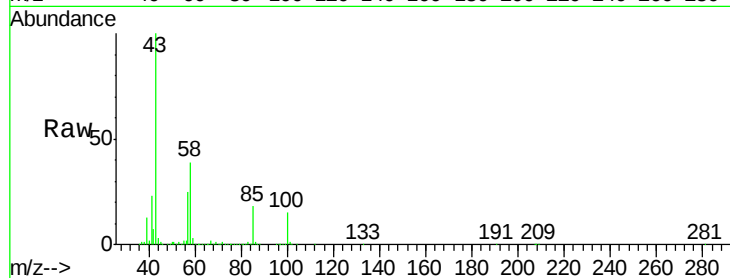
#51
4-Methyl-2-Pentanone
Concen: 92.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion: 43 Resp: 1493217
Ion Ratio Lower Upper
43 100
58 39.5 29.0 43.6

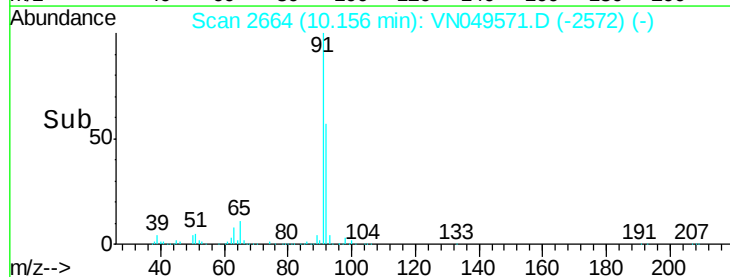
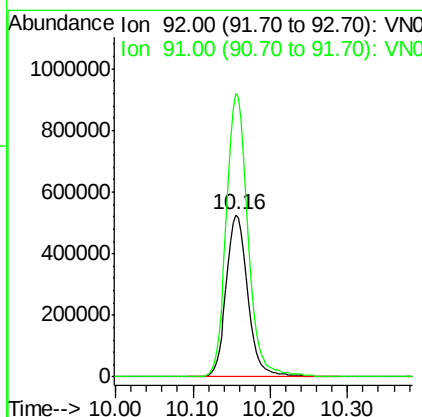
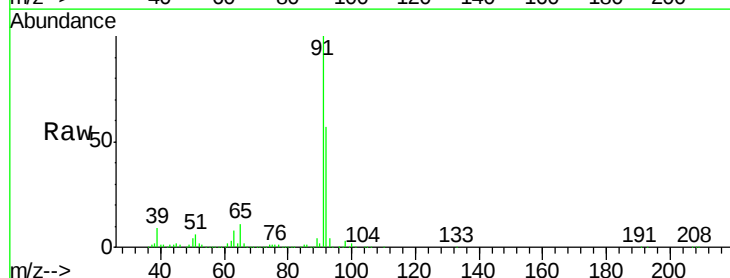
Manual Integrations
APPROVED

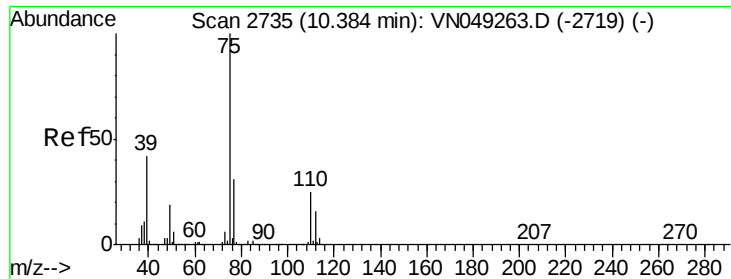
MMDadoda
6/28/2018 4:38:10 PM



#52
Toluene
Concen: 18.93 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 92 Resp: 1014056
Ion Ratio Lower Upper
92 100
91 175.3 143.4 215.2





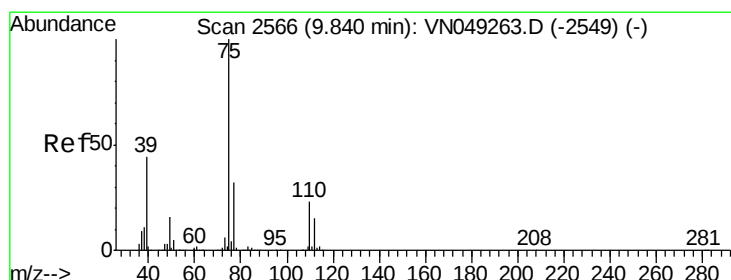
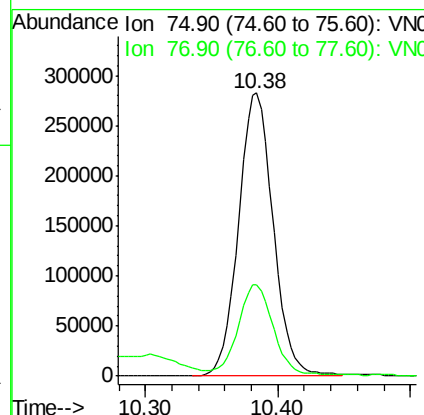
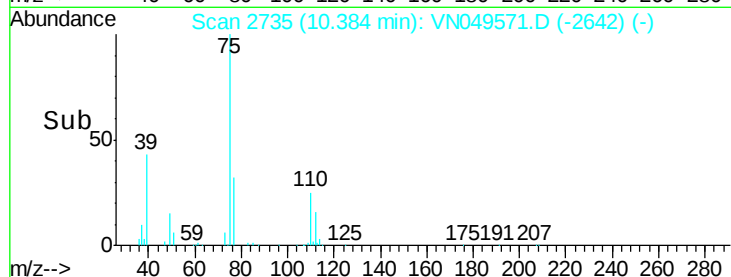
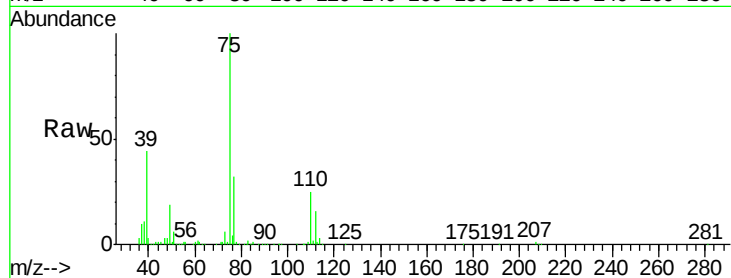
#53
t-1,3-Dichloropropene
Concen: 17.55 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8

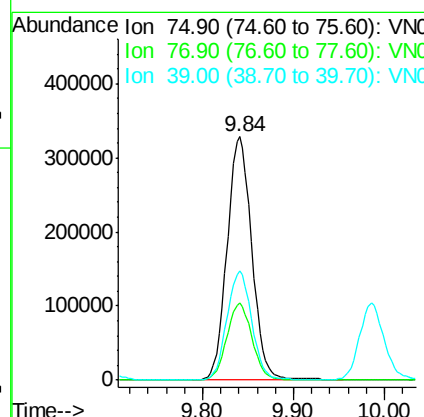
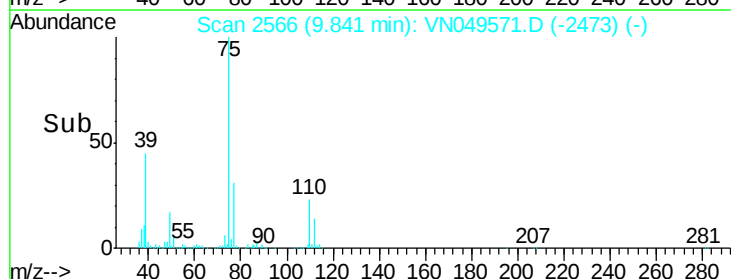
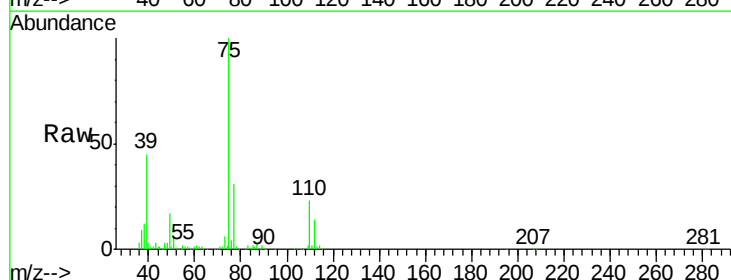
Manual Integrations
APPROVED

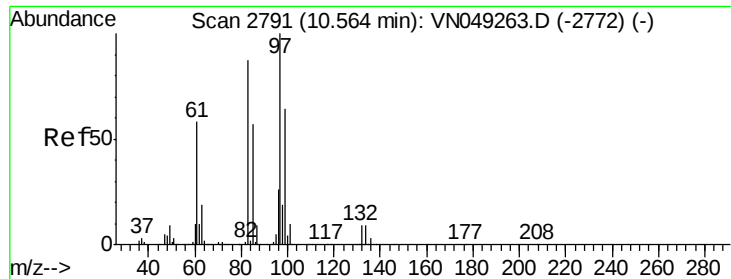
MMDadoda
6/28/2018 4:38:10 PM



#54
cis-1,3-Dichloropropene
Concen: 18.06 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	44.8	45.1	67.7#





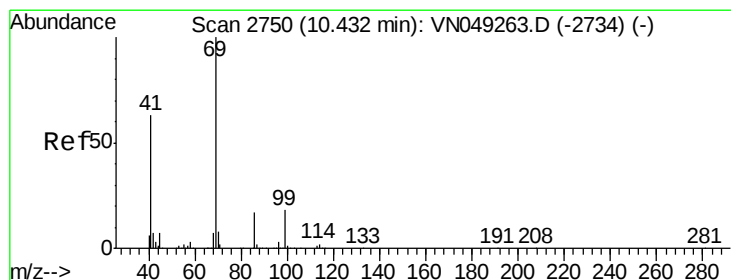
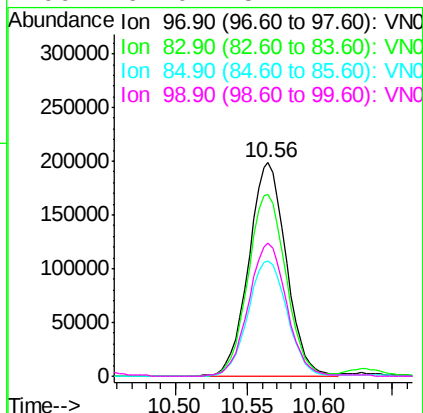
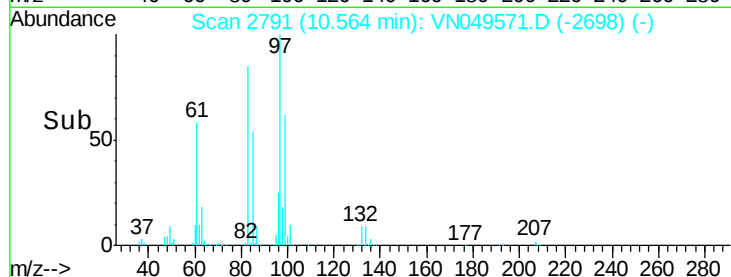
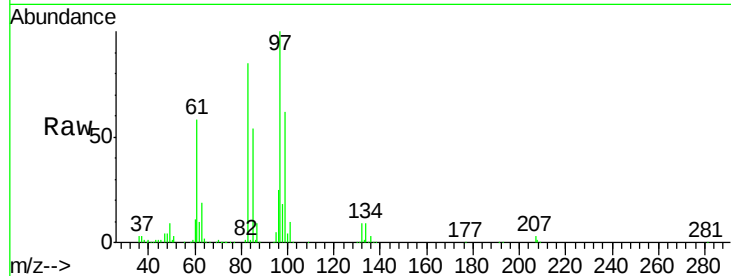
#55
 1,1,2-Trichloroethane
 Concen: 17.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		357961		
83	85.3	71.5	107.3		
85	54.2	47.0	70.4		
99	62.0	51.4	77.2		

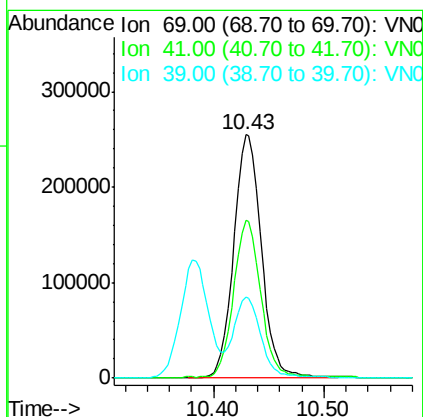
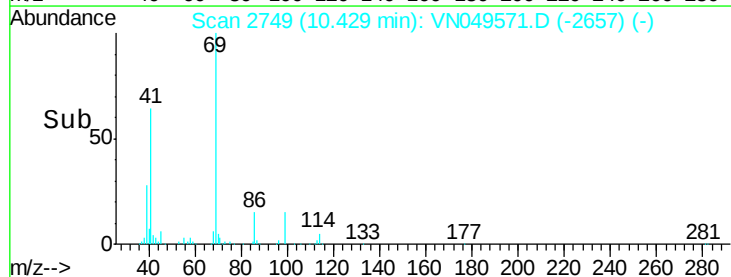
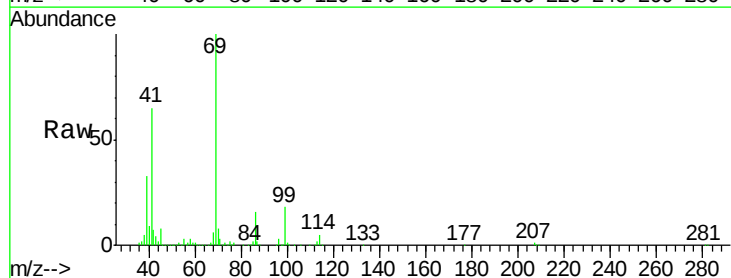
Manual Integrations
 APPROVED

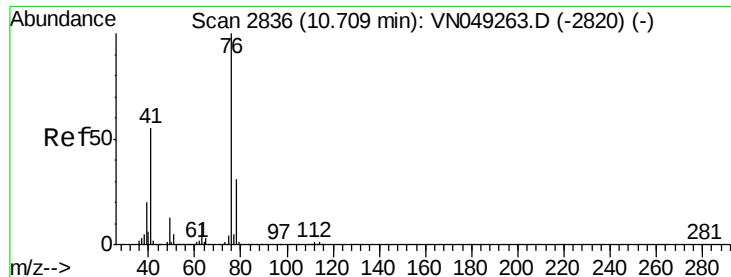
MMDadoda
 6/28/2018 4:38:10 PM



#56
 Ethyl methacrylate
 Concen: 19.32 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		445104		
41	62.6	58.4	87.6		
39	31.1	35.5	53.3#		





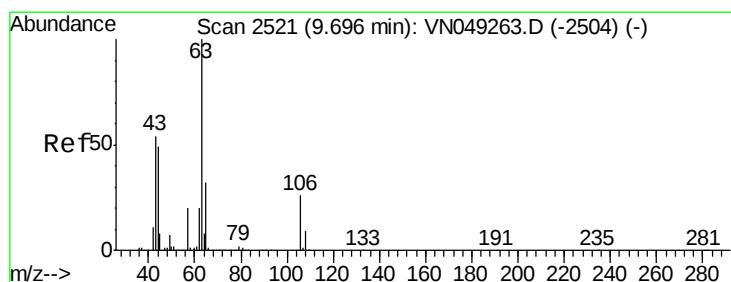
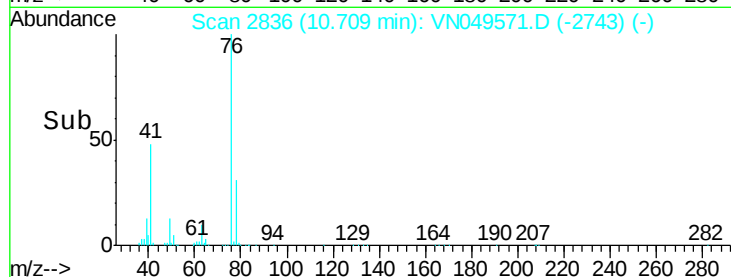
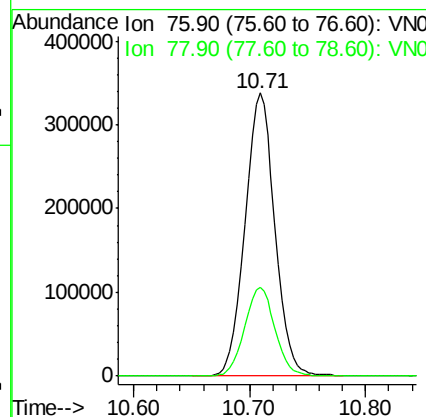
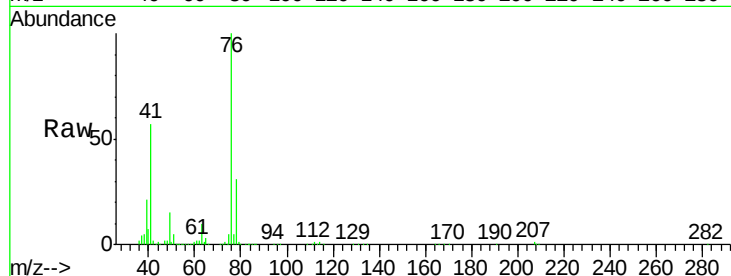
#57
 1,3-Dichloropropane
 Concen: 18.19 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion: 76 Resp: 601621
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5

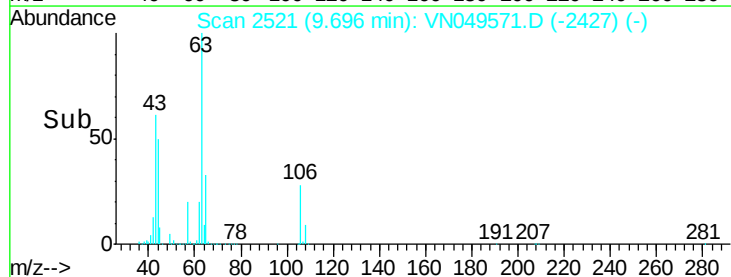
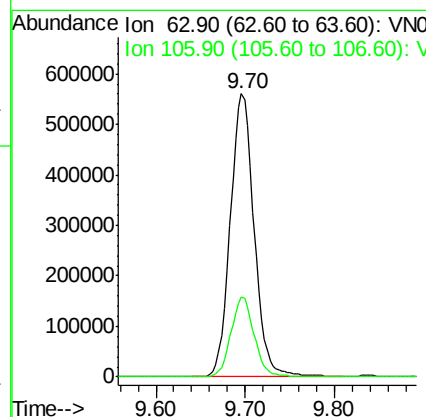
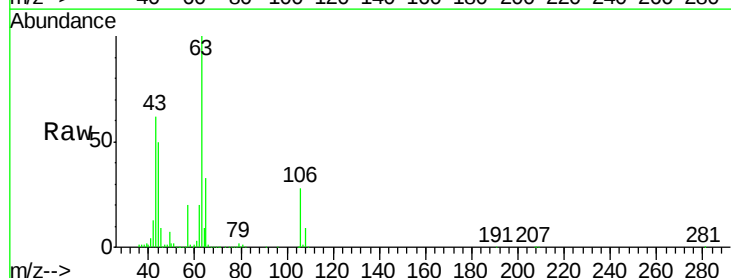
Manual Integrations
 APPROVED

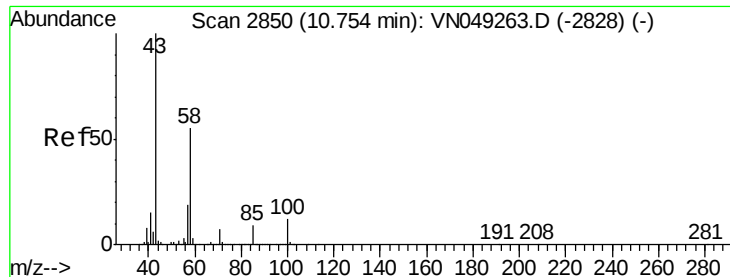
MMDadoda
 6/28/2018 4:38:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.26 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion: 63 Resp: 1039102
 Ion Ratio Lower Upper
 63 100
 106 27.5 19.4 29.2





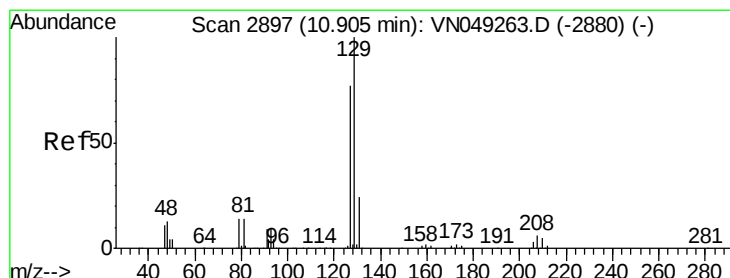
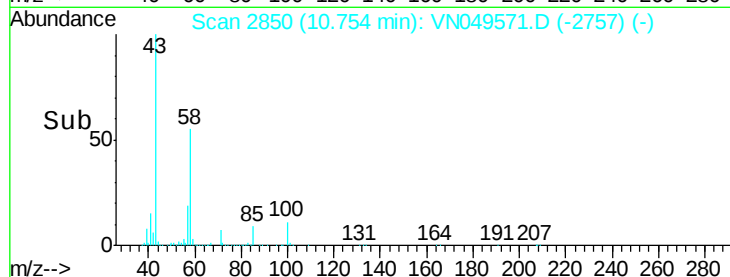
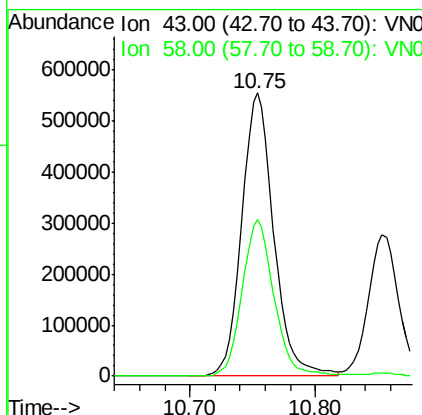
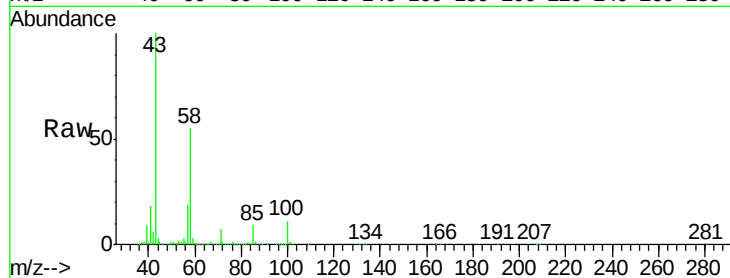
#59
2-Hexanone
Concen: 93.59 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion: 43 Resp: 977883
Ion Ratio Lower Upper
43 100
58 55.6 25.2 75.6

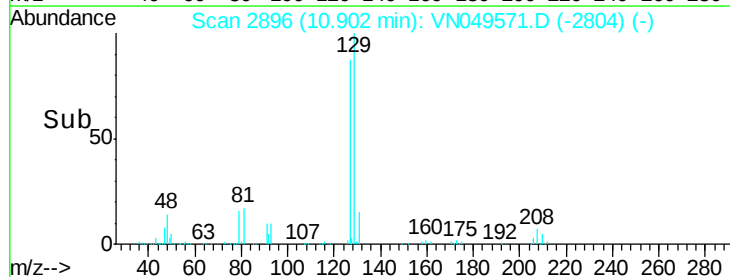
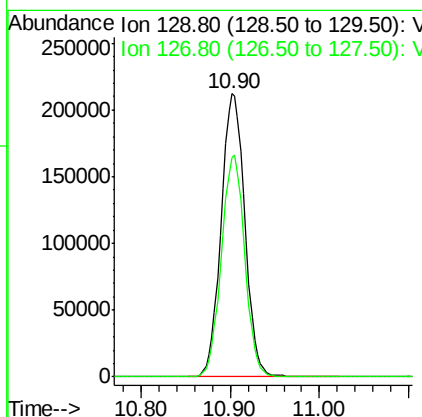
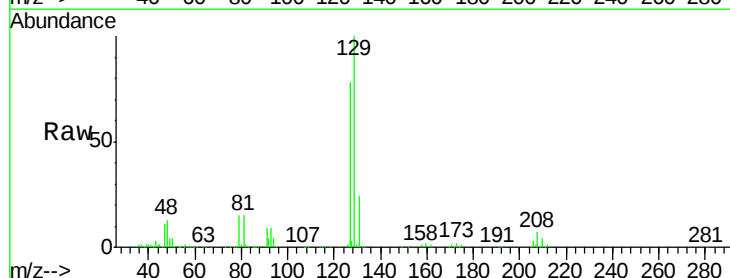
Manual Integrations
APPROVED

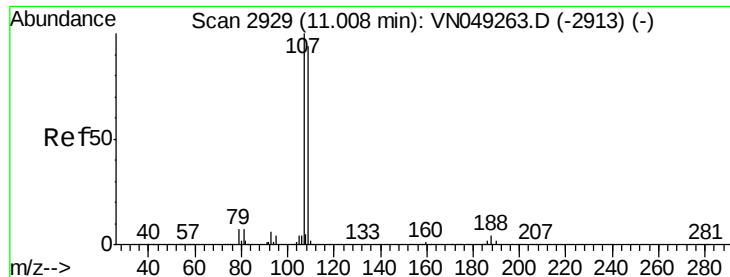
MMDadoda
6/28/2018 4:38:10 PM



#60
Dibromochloromethane
Concen: 17.49 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 129 Resp: 389824
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2





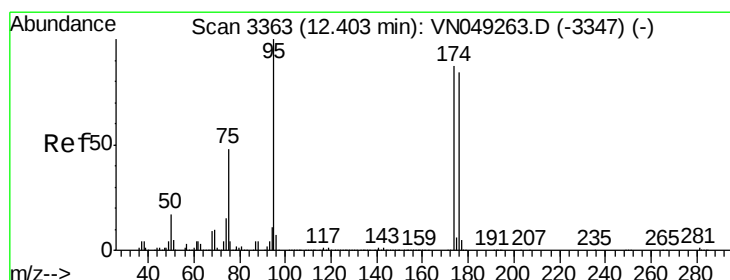
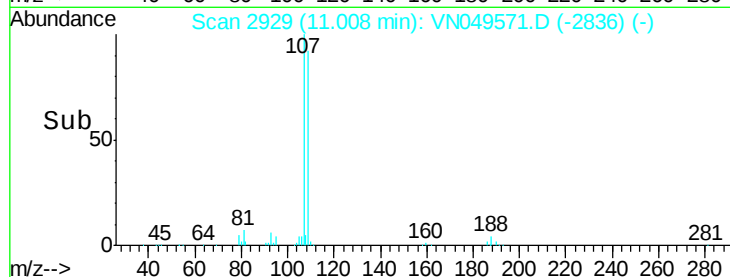
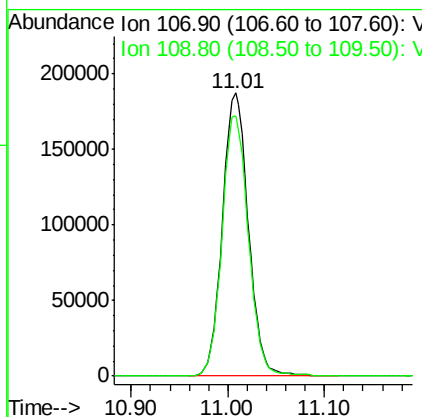
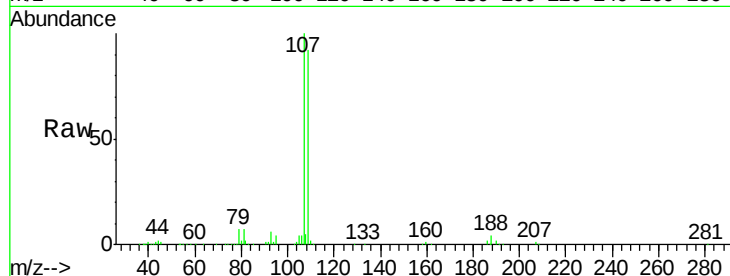
#61
 1,2-Dibromoethane
 Concen: 18.81 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion:107 Resp: 349225
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2

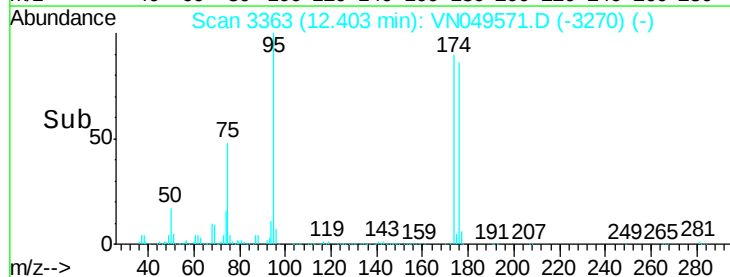
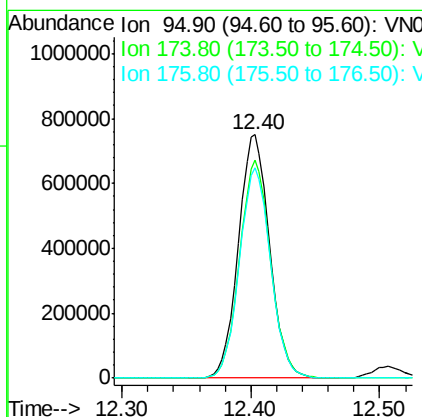
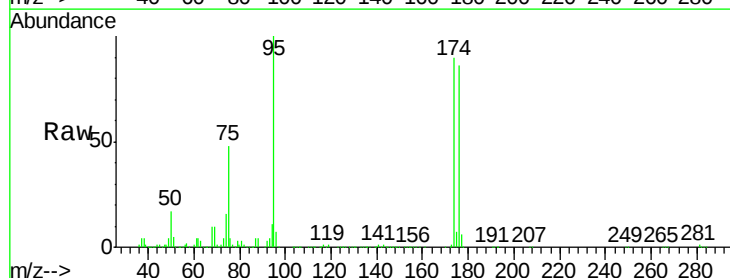
Manual Integrations
 APPROVED

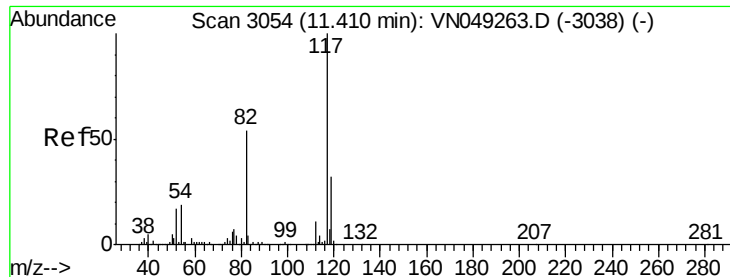
MMDadoda
 6/28/2018 4:38:10 PM



#62
 4-Bromofluorobenzene
 Concen: 47.58 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion: 95 Resp: 1258882
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 165.6
 176 86.5 0.0 157.4





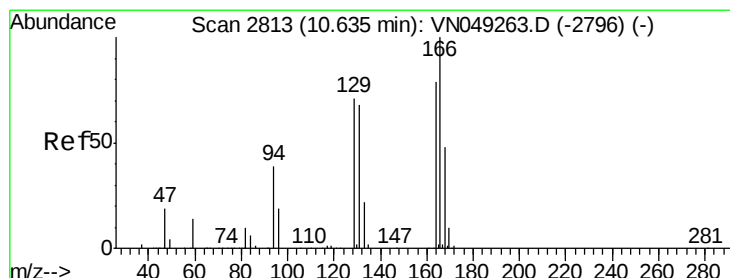
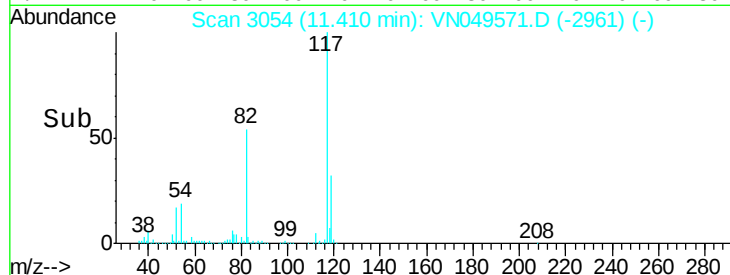
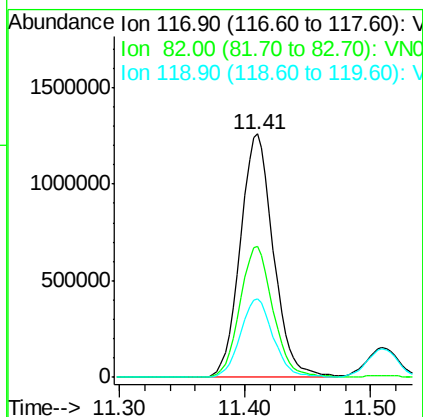
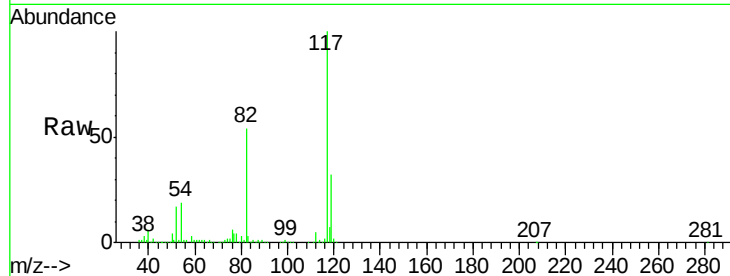
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion:117 Resp: 2310285
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.5 25.5 38.3

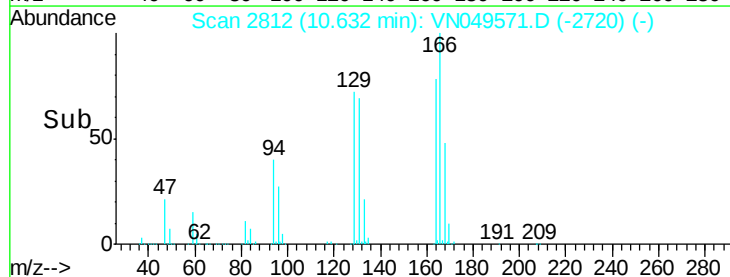
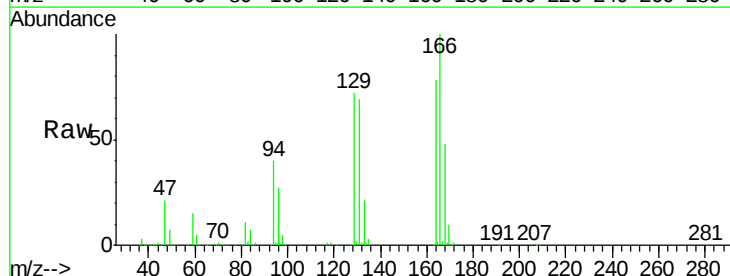
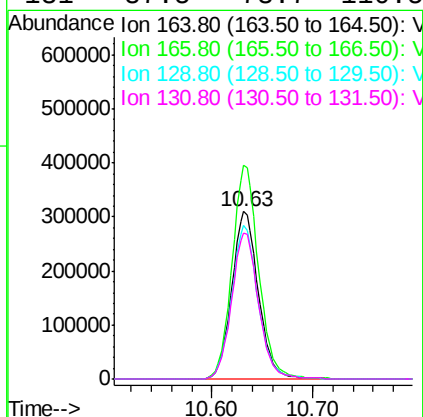
Manual Integrations
APPROVED

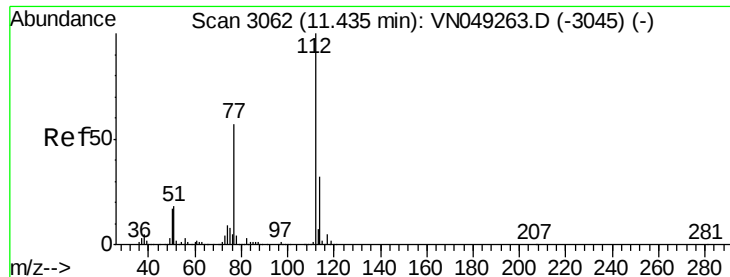
MMDadoda
6/28/2018 4:38:10 PM



#64
Tetrachloroethene
Concen: 24.02 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion:164 Resp: 568591
Ion Ratio Lower Upper
164 100
166 127.8 101.4 152.2
129 91.6 74.1 111.1
131 87.5 73.7 110.5





#65

Chlorobenzene

Concen: 18.41 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:112 Resp: 1095417

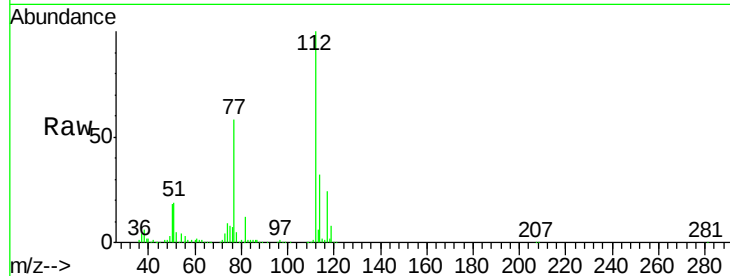
Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.4

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

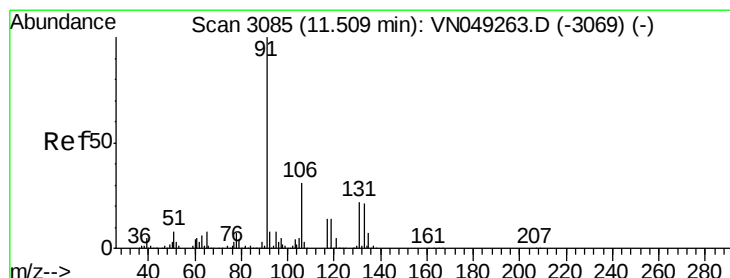
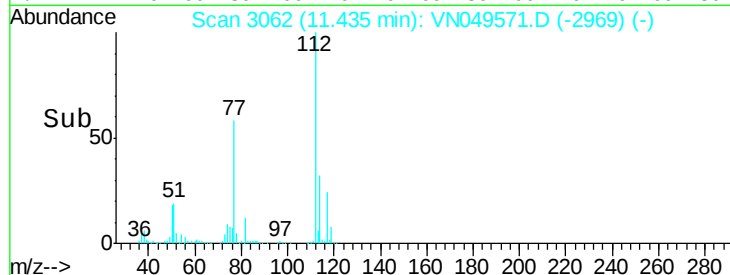
600000

400000

200000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 17.69 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

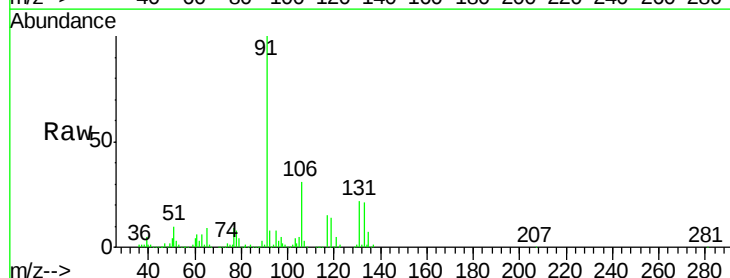
Tgt Ion:131 Resp: 396172

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 65.7 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

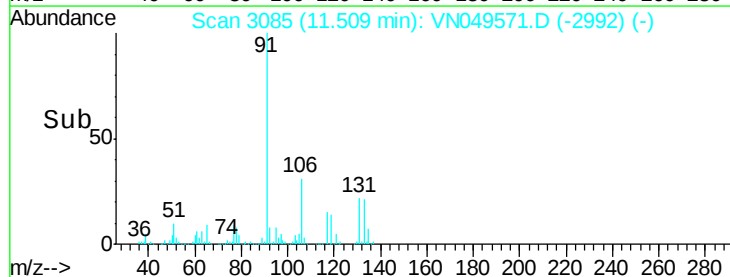
300000

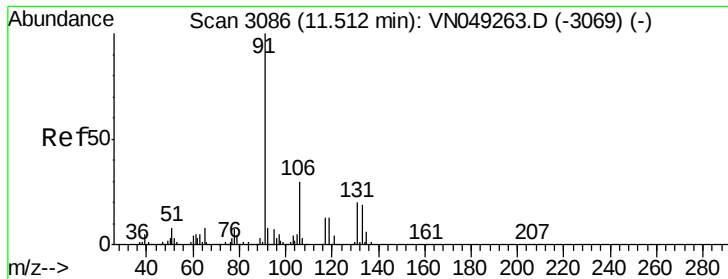
200000

100000

0

Time--> 11.50 11.60





#67

Ethyl Benzene

Concen: 18.84 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 91 Resp: 1859613

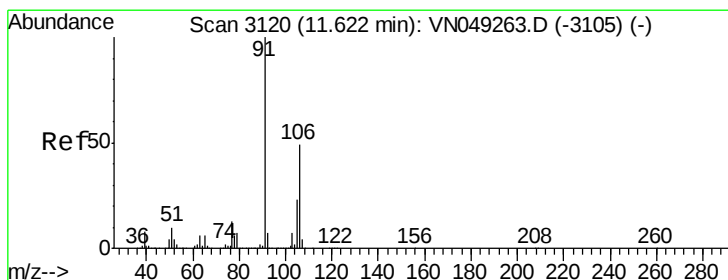
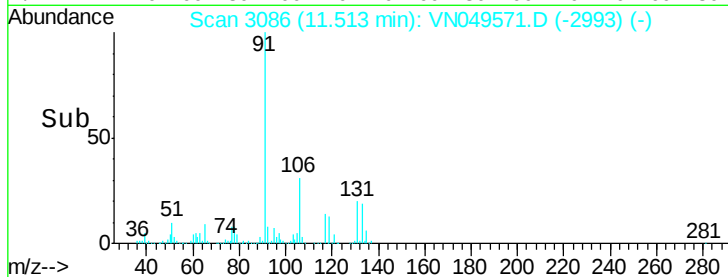
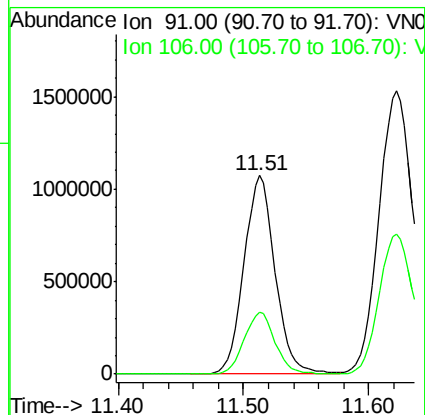
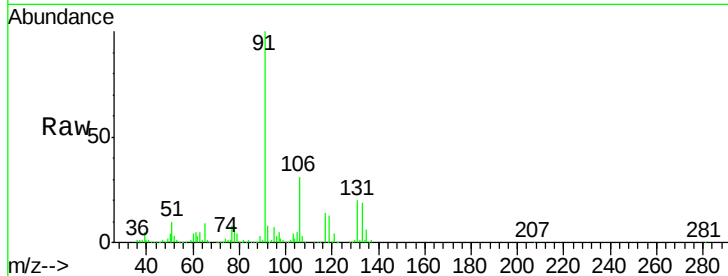
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#68

m/p-Xylenes

Concen: 39.31 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049571.D

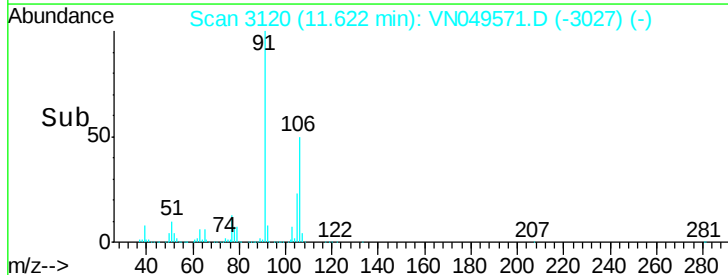
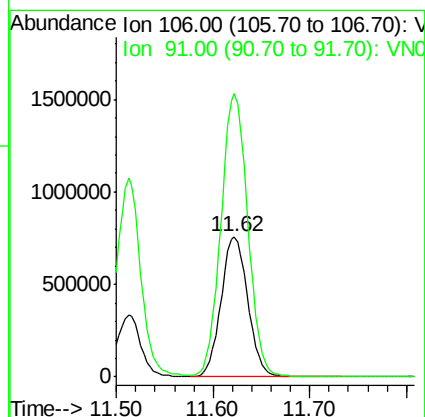
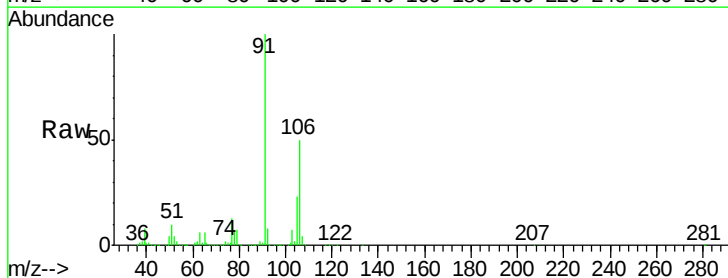
Acq: 27 Jun 2018 14:48

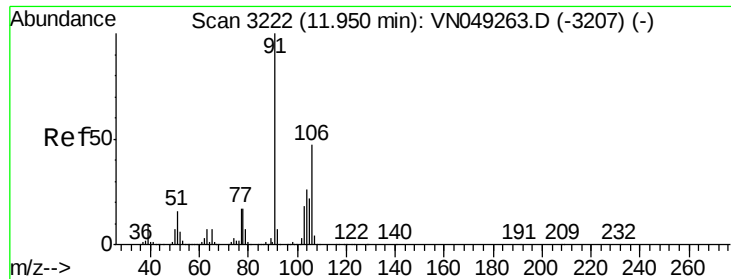
Tgt Ion: 106 Resp: 1456488

Ion Ratio Lower Upper

106 100

91 203.0 167.3 250.9





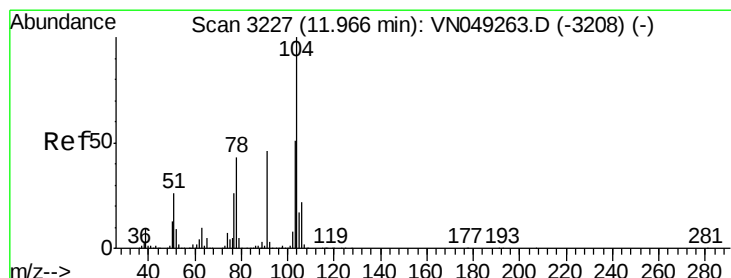
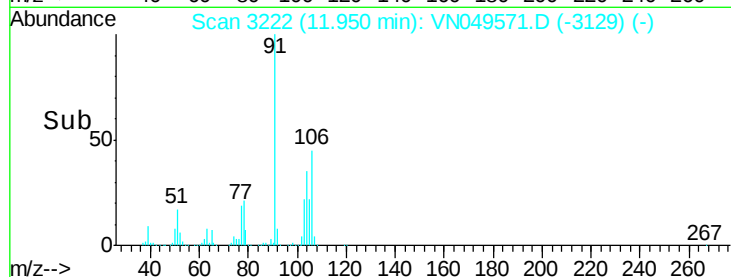
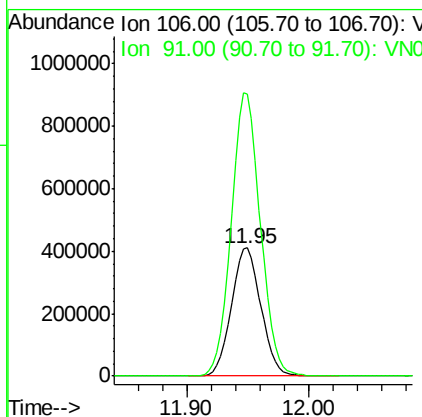
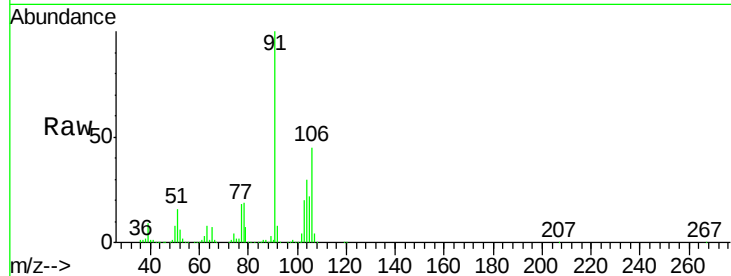
#69
o-Xylene
Concen: 19.38 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampled :
VN0627WBSD01

Tot Ion:106 Resp: 691678
Ion Ratio Lower Upper
106 100
91 217.2 111.0 333.0

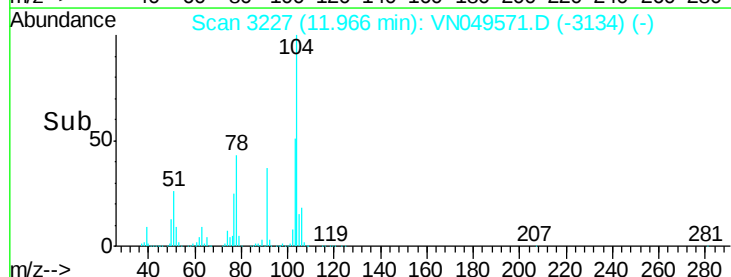
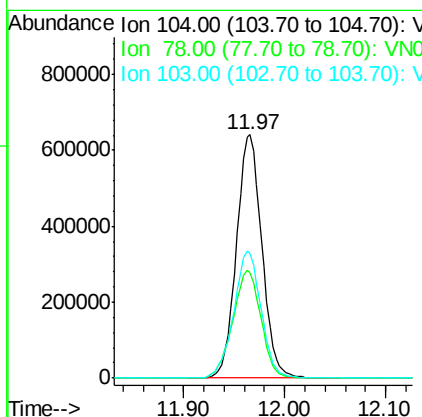
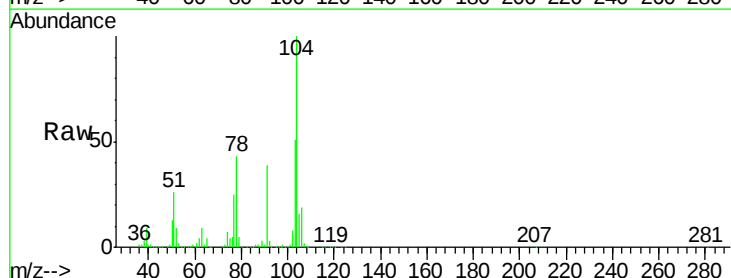
Manual Integrations
APPROVED

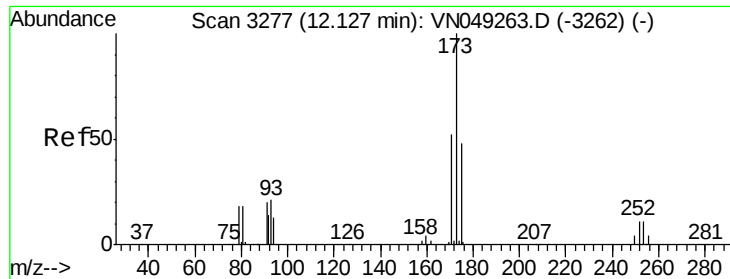
MMDadoda
6/28/2018 4:38:10 PM



#70
Styrene
Concen: 19.89 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion:104 Resp: 1119725
Ion Ratio Lower Upper
104 100
78 49.1 41.6 62.4
103 56.2 45.4 68.2





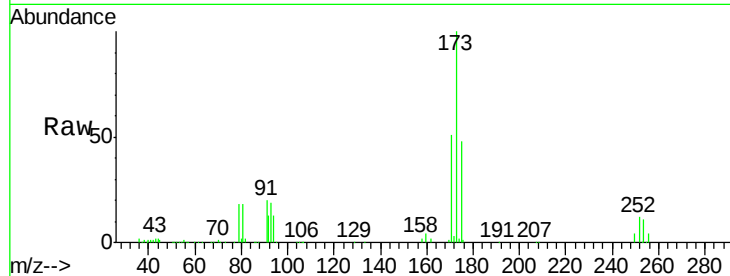
#71
Bromoform
Concen: 17.60 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

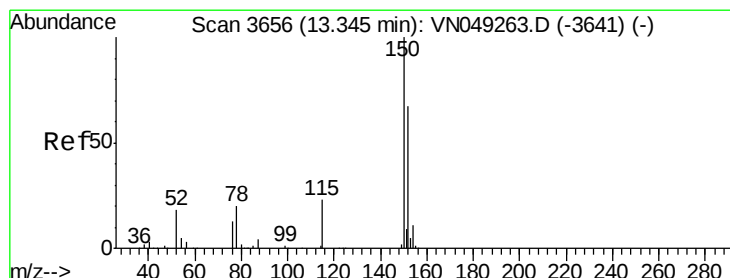
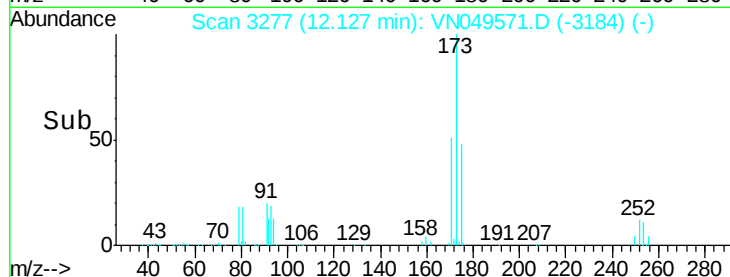
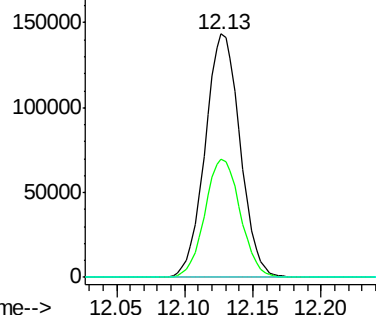
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM

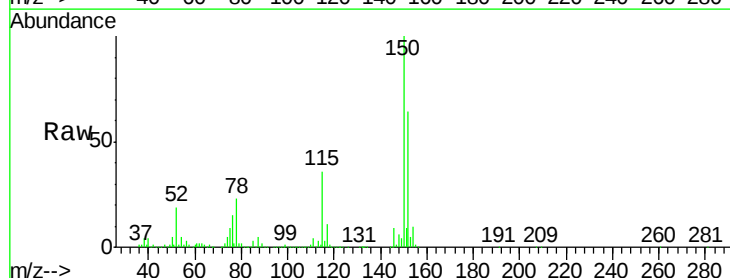


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

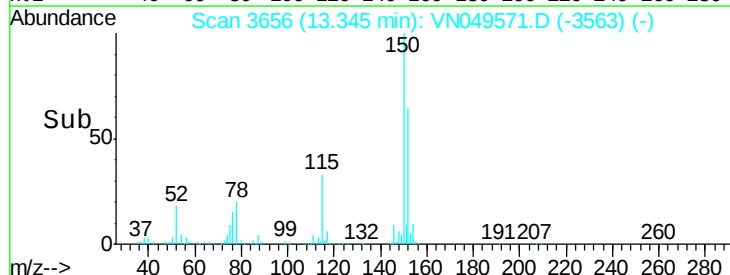
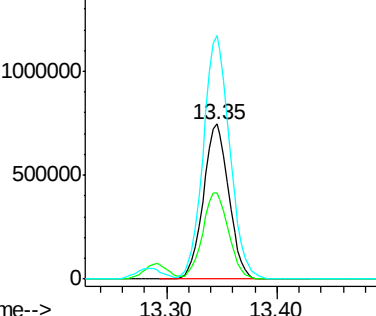


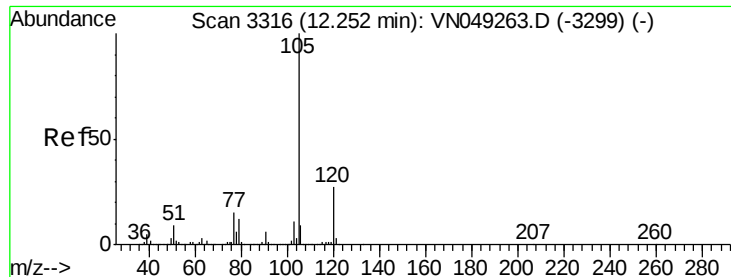
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.7	86.1
150	163.7	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.26 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:105 Resp: 1803616

Ion Ratio Lower Upper

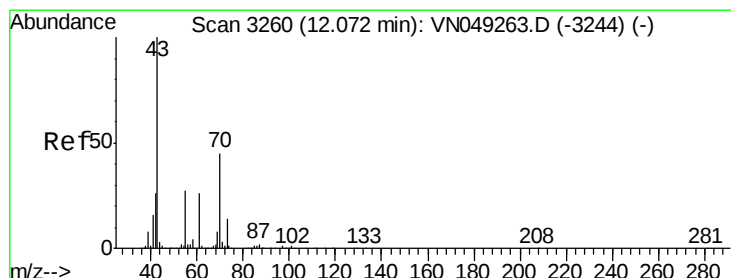
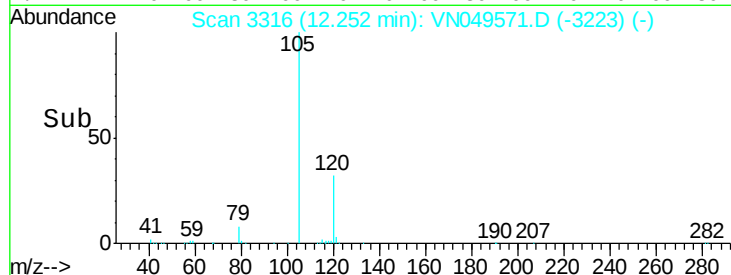
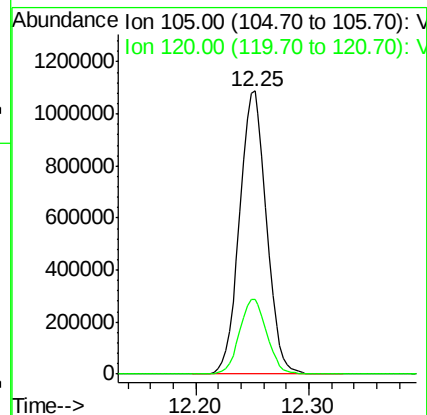
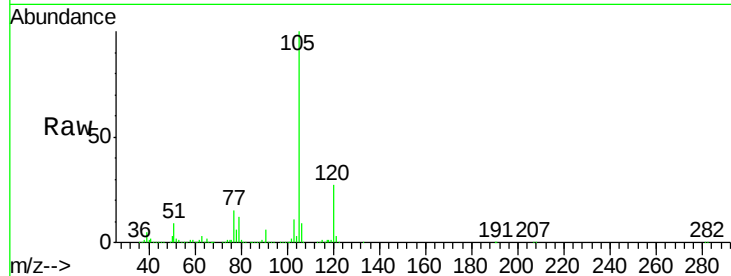
105 100

120 26.8 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

6/28/2018 4:38:10 PM



#74

N-ethyl acetate

Concen: 18.66 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion: 43 Resp: 477687

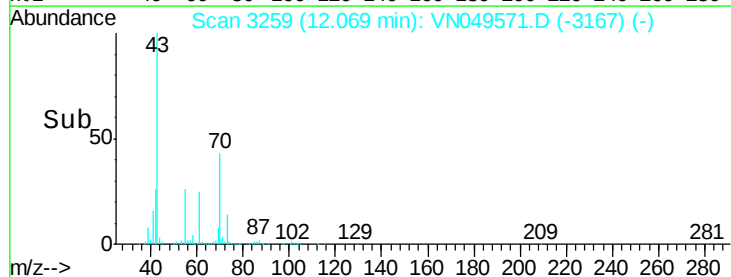
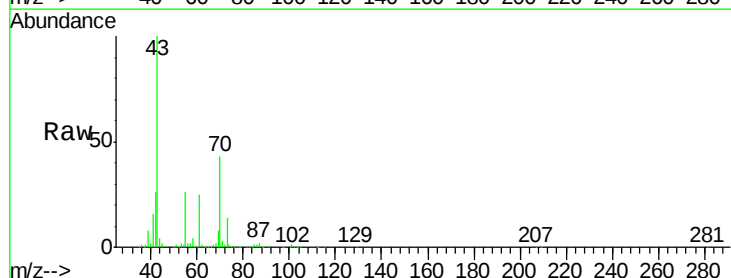
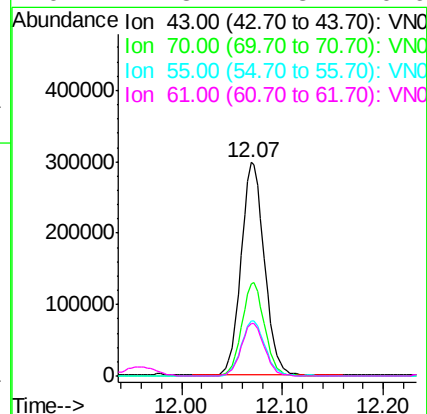
Ion Ratio Lower Upper

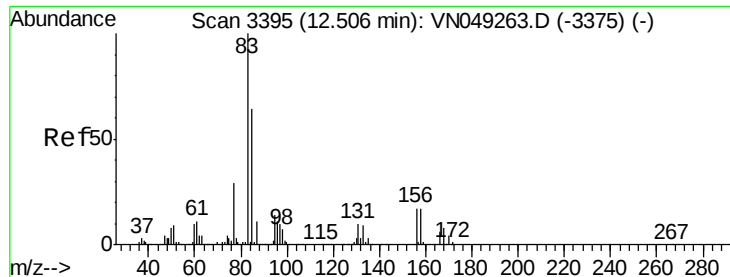
43 100

70 42.8 30.3 45.5

55 26.5 19.4 29.2

61 24.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.50 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion: 83 Resp: 387050
Ion Ratio Lower Upper

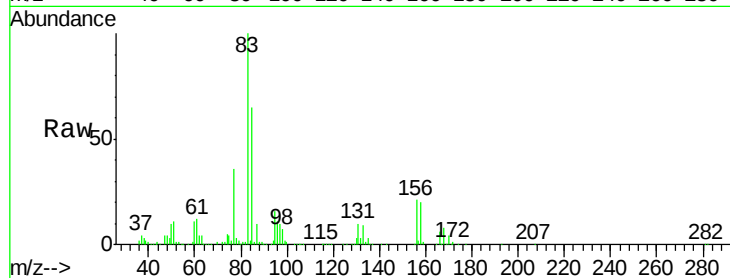
83 100

131 10.6 5.0 15.0

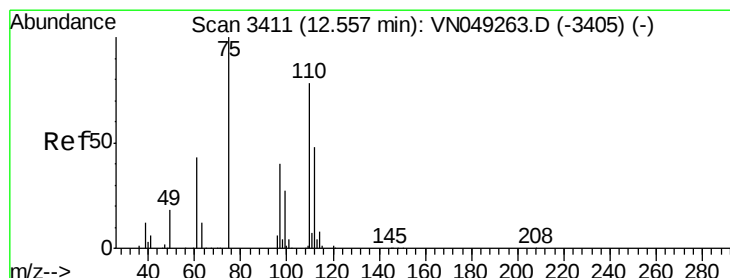
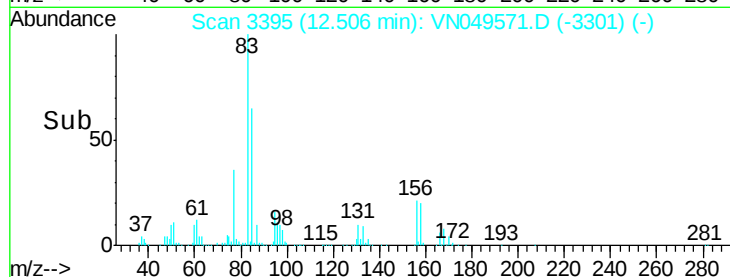
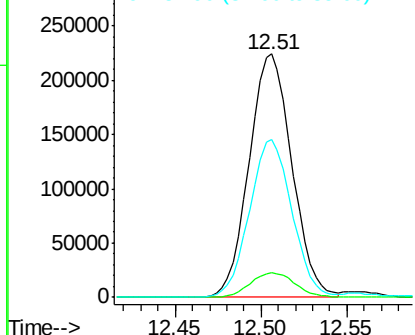
85 64.2 32.0 96.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 16.46 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

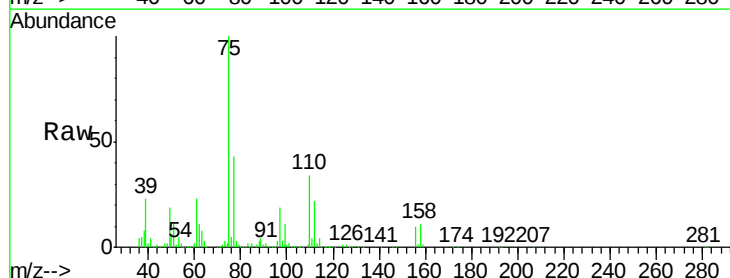
Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

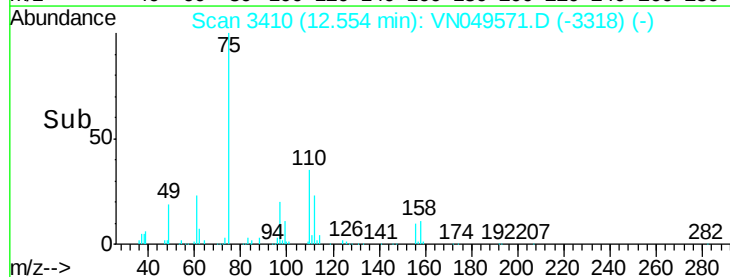
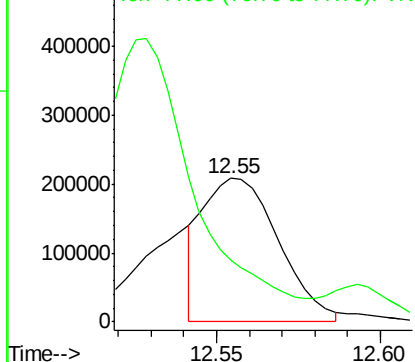
Tgt Ion: 75 Resp: 334282
Ion Ratio Lower Upper

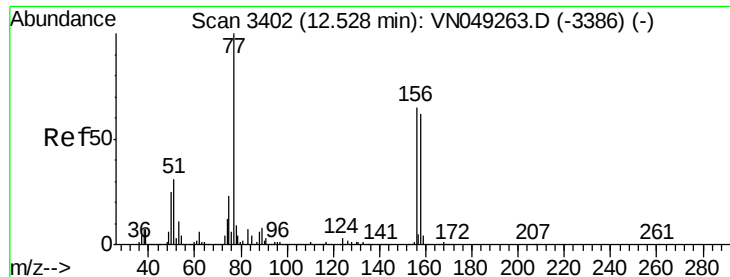
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 16.76 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:156 Resp: 462584

Ion Ratio Lower Upper

156 100

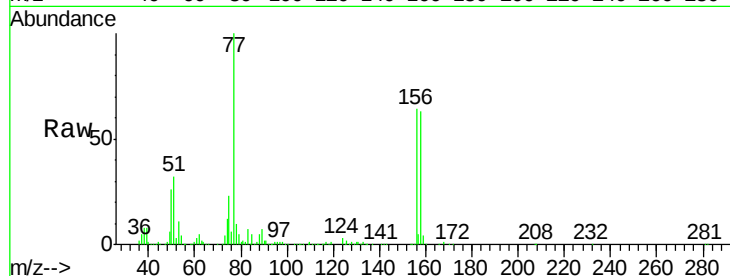
77 180.0 100.8 302.4

158 97.5 49.3 147.9

Manual Integrations
APPROVED

MMDadoda

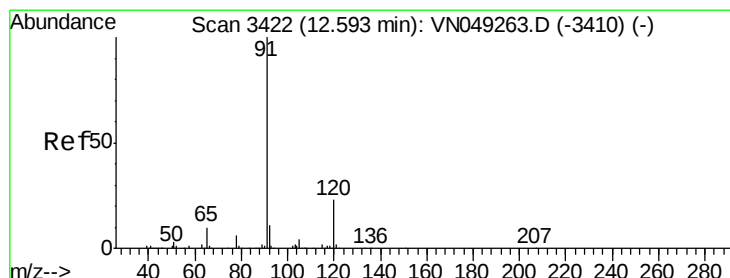
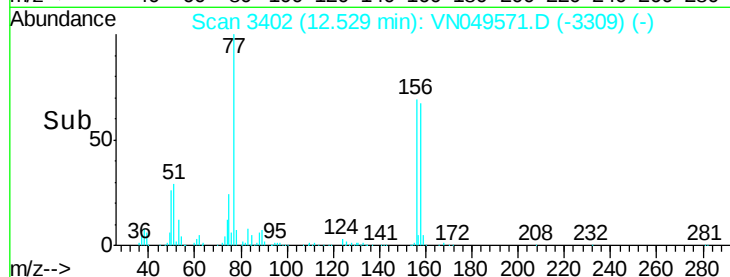
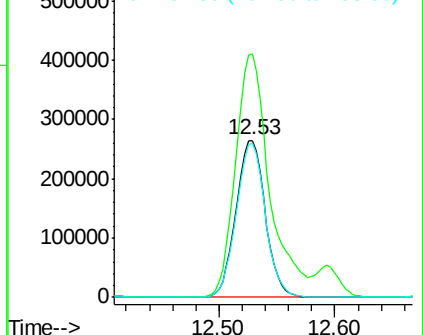
6/28/2018 4:38:10 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.10 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049571.D

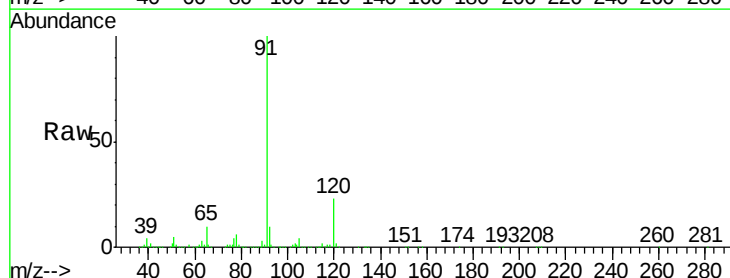
Acq: 27 Jun 2018 14:48

Tgt Ion: 91 Resp: 2077448

Ion Ratio Lower Upper

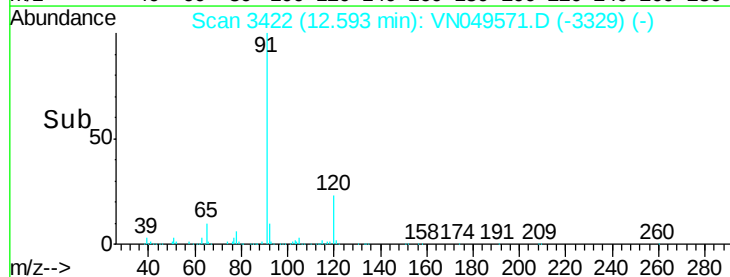
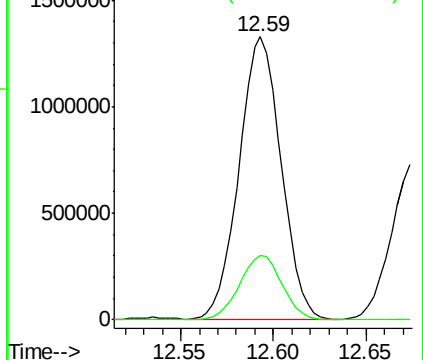
91 100

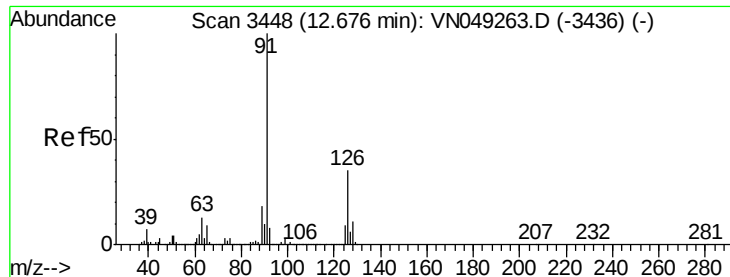
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.36 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampled :

VN0627WBSD01

Tot Ion: 91 Resp: 1262074

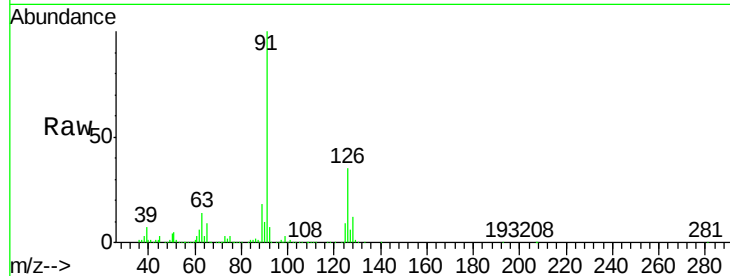
Ion Ratio Lower Upper

91 100

126 35.2 16.6 49.8

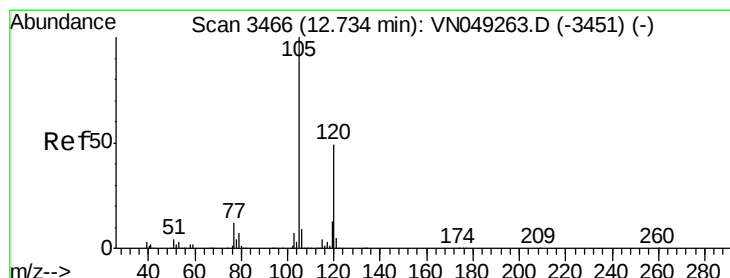
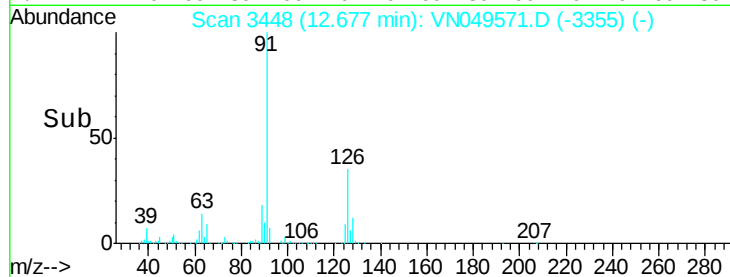
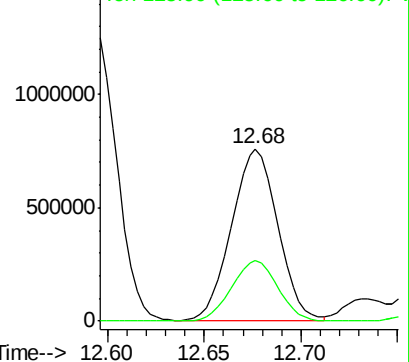
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.78 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049571.D

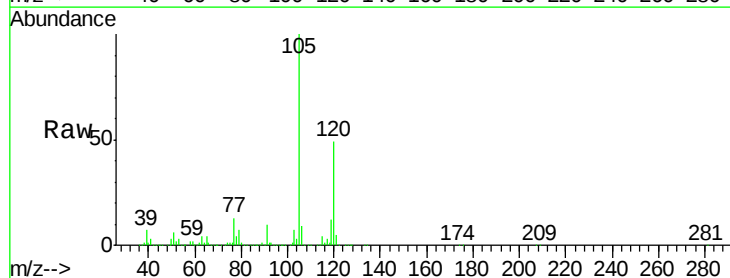
Acq: 27 Jun 2018 14:48

Tgt Ion: 105 Resp: 1543043

Ion Ratio Lower Upper

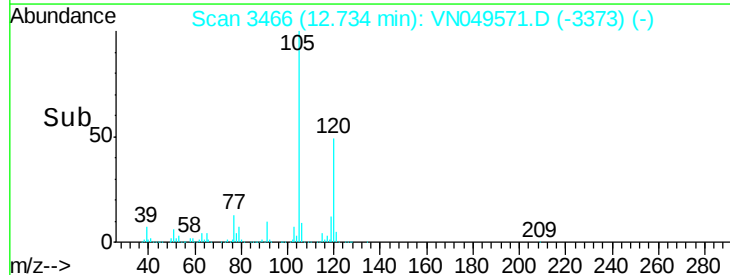
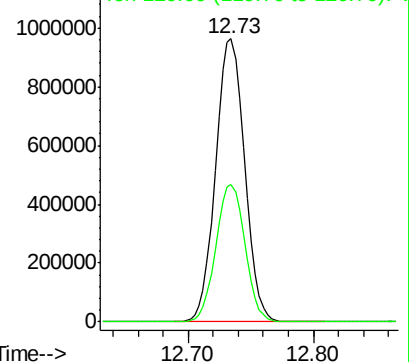
105 100

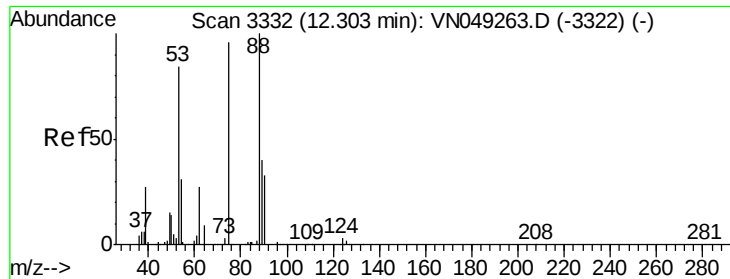
120 48.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





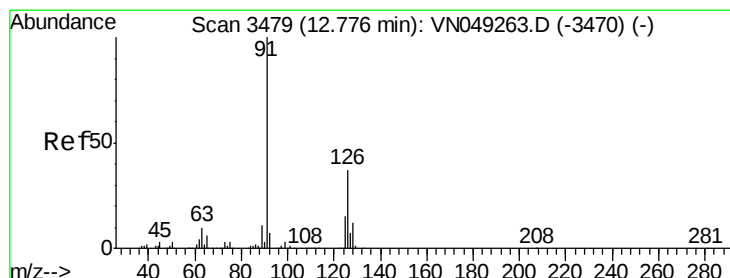
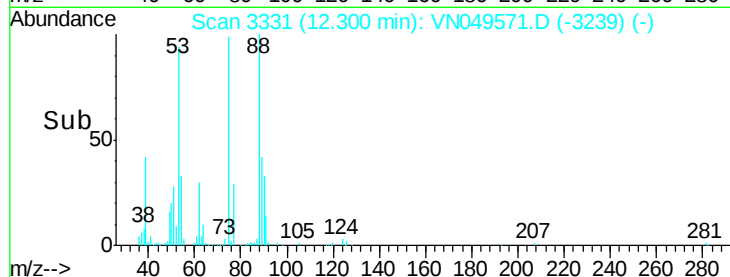
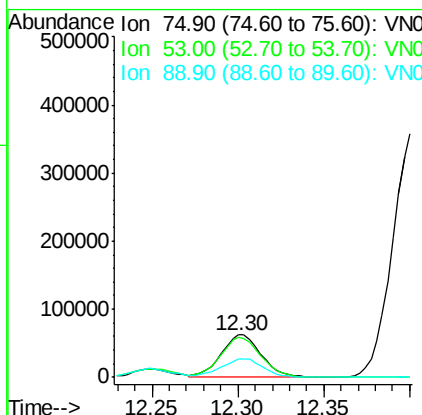
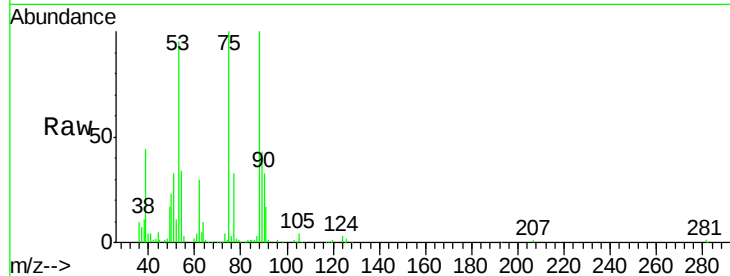
#81
trans-1,4-Dichloro-2-butene
Concen: 15.96 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	82.7	124.1
89	44.6	36.5	54.7

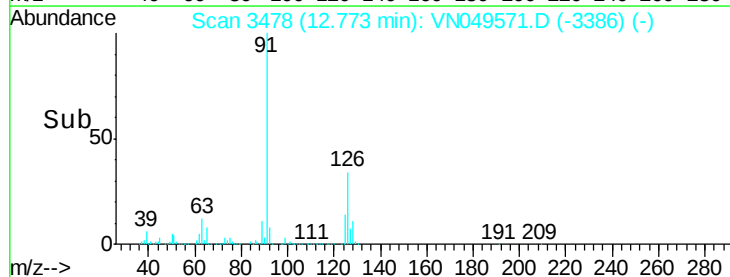
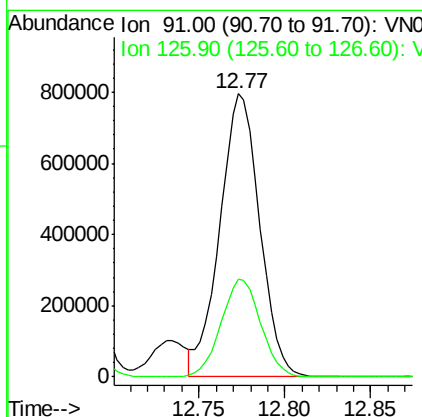
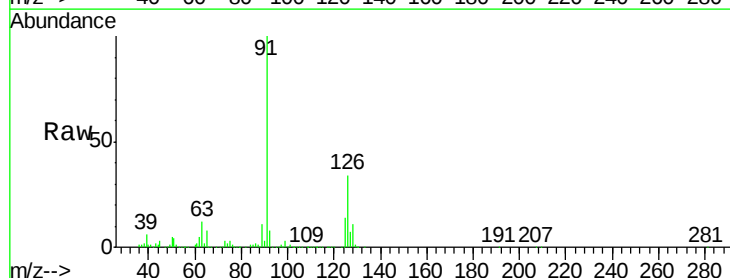
Manual Integrations
APPROVED

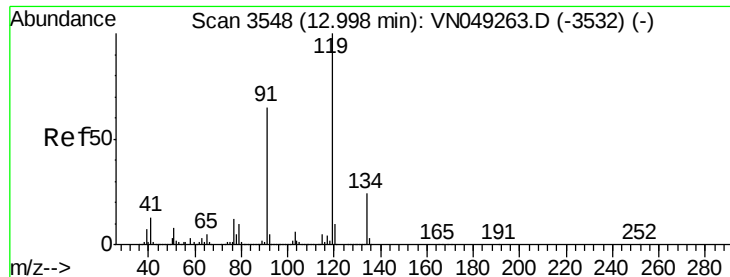
MMDadoda
6/28/2018 4:38:10 PM



#82
4-Chlorotoluene
Concen: 18.31 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 17.51 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:119 Resp: 1274173

Ion Ratio Lower Upper

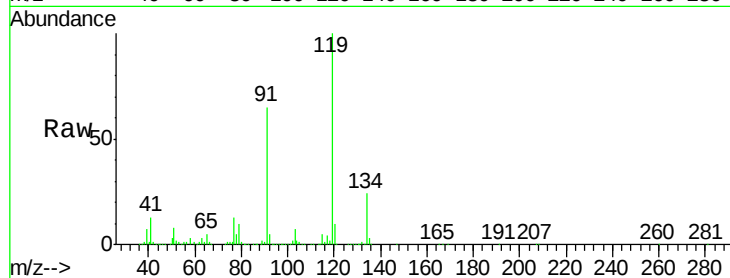
119 100

91 65.0 33.7 101.0

134 25.6 12.9 38.6

Manual Integrations
APPROVED

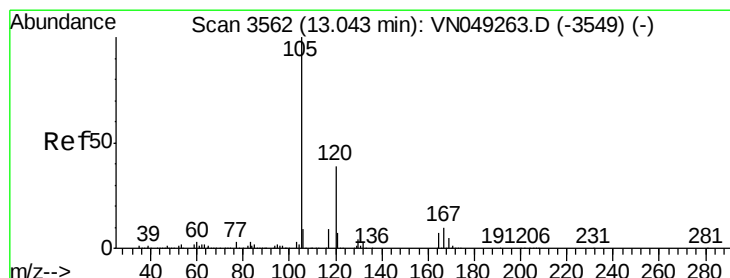
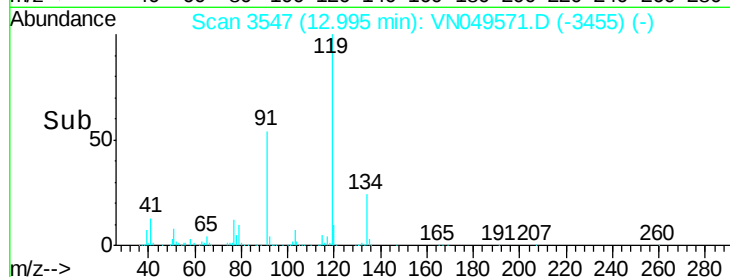
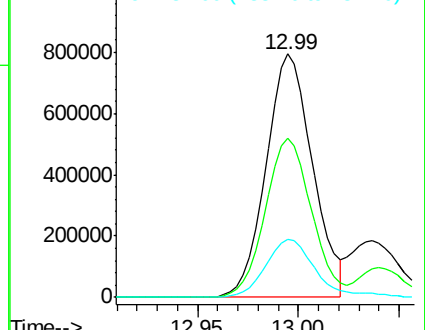
MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049571.D

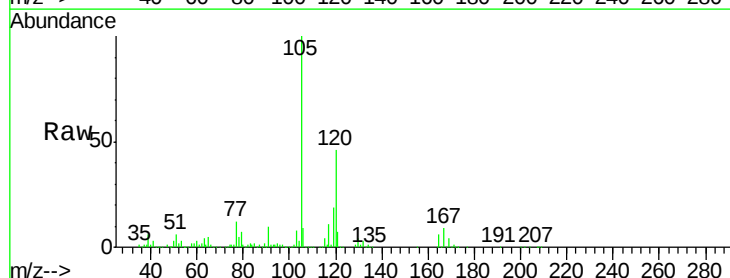
Acq: 27 Jun 2018 14:48

Tgt Ion:105 Resp: 1568677

Ion Ratio Lower Upper

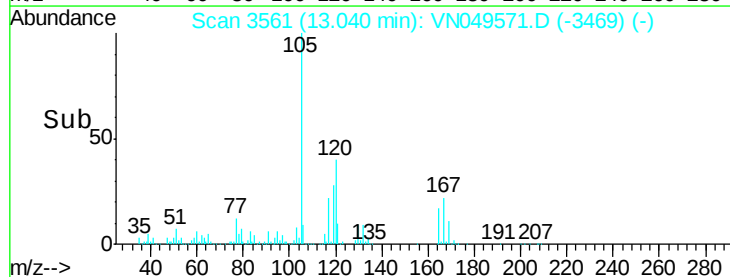
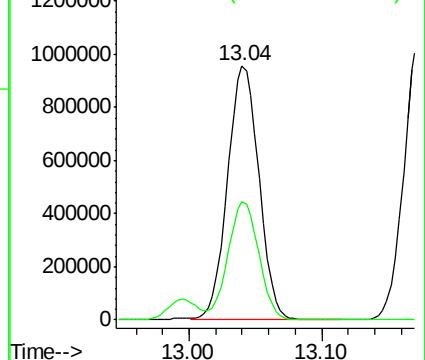
105 100

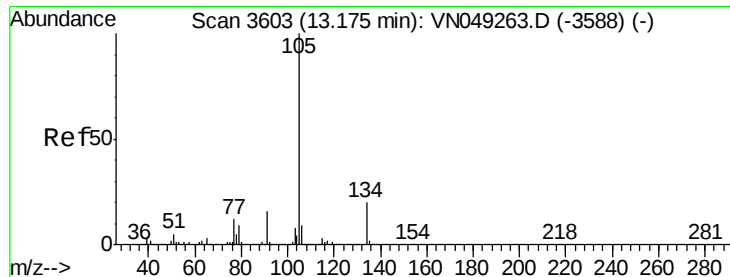
120 46.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.79 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBSD01

Tot Ion:105 Resp: 1723538

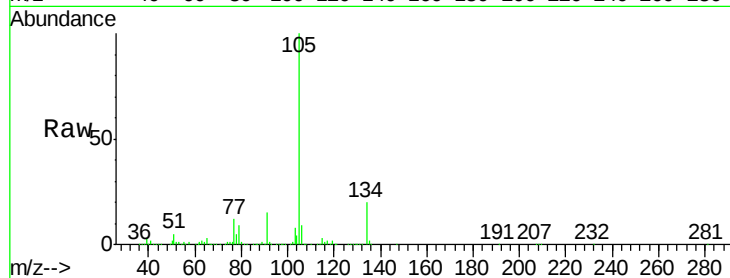
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

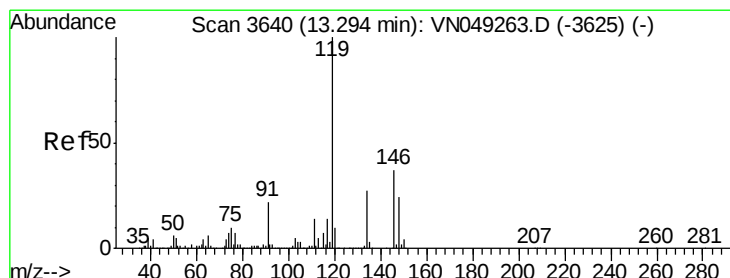
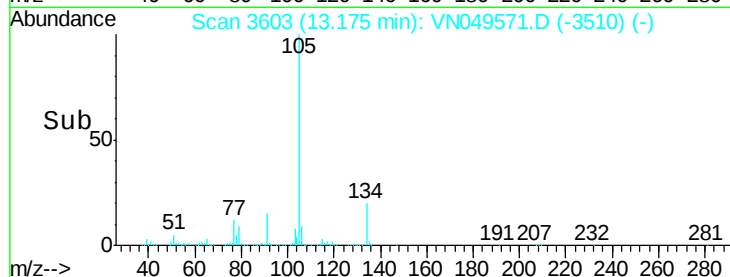
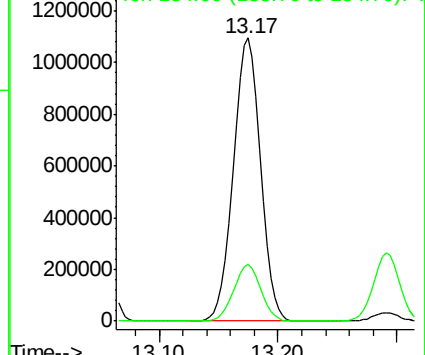
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.69 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

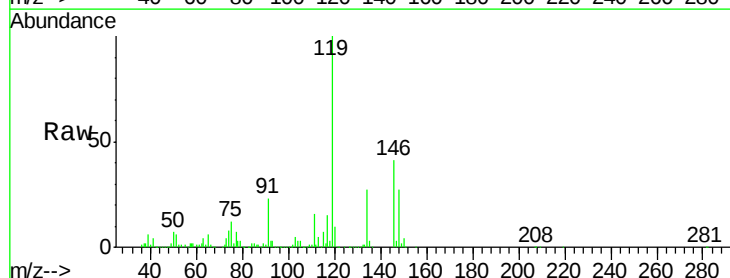
Tgt Ion:119 Resp: 1512420

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

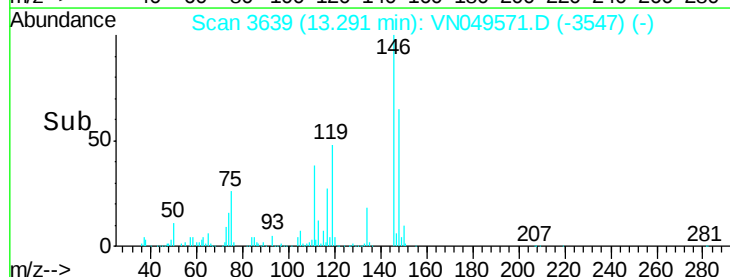
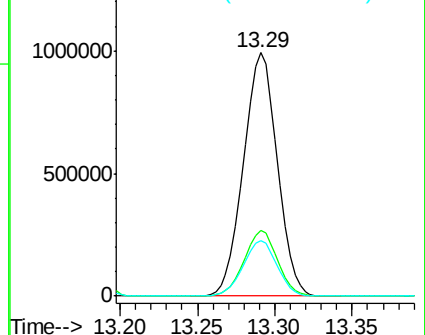
91 22.7 12.1 36.3



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





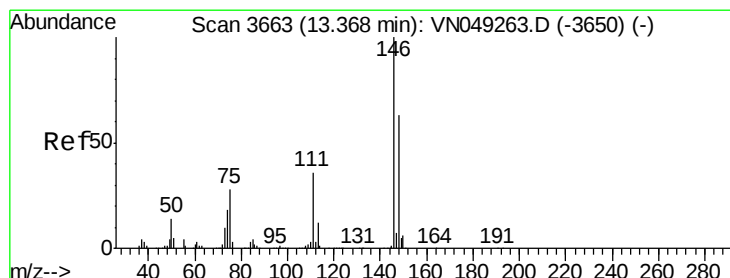
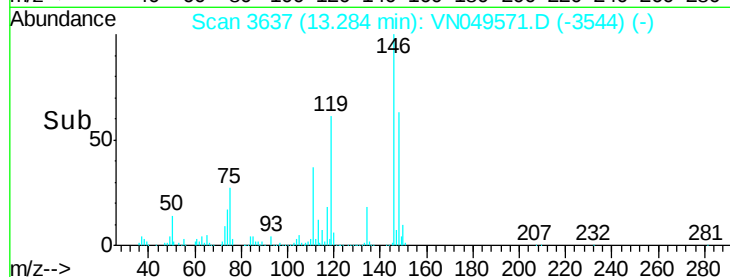
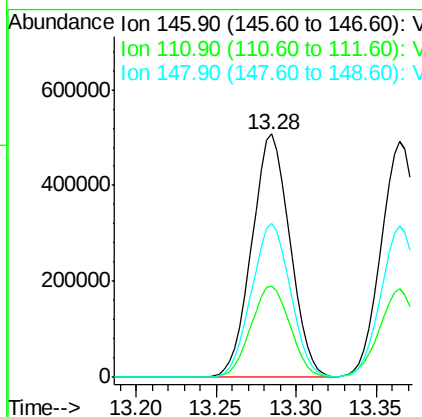
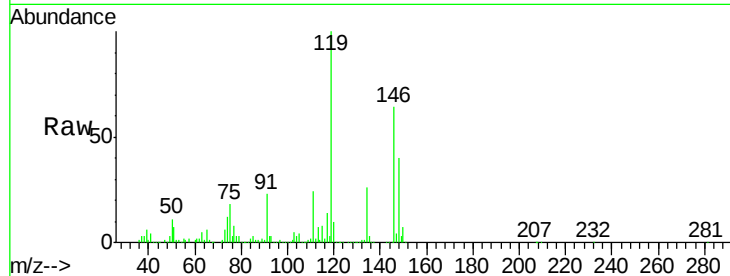
#87
 1,3-Dichlorobenzene
 Concen: 18.35 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	64.2	32.1	96.5

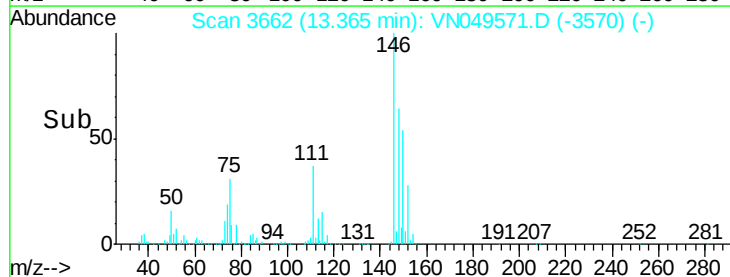
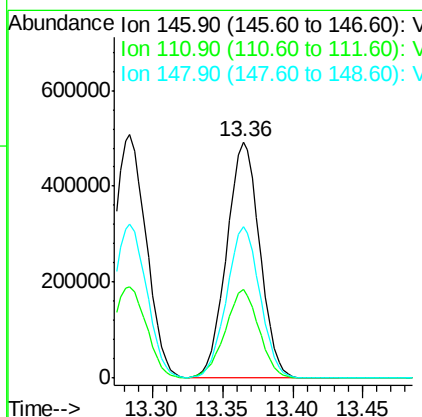
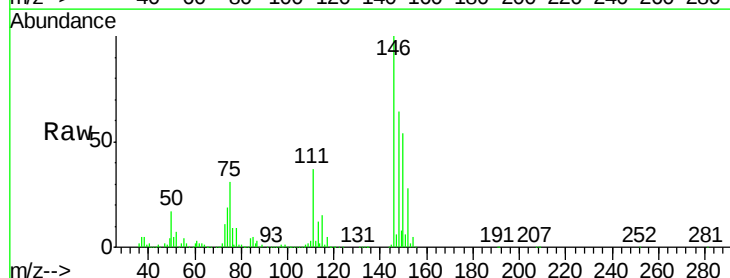
Manual Integrations
 APPROVED

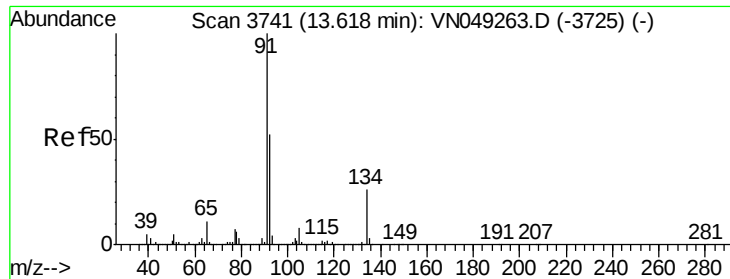
MMDadoda
 6/28/2018 4:38:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.97 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049571.D
 Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.8	32.0	96.2





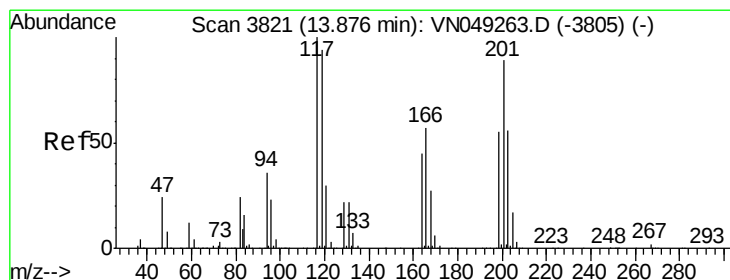
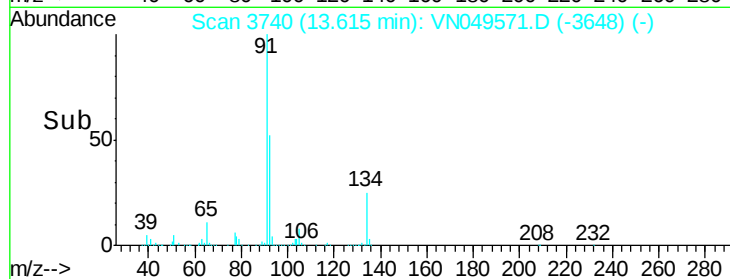
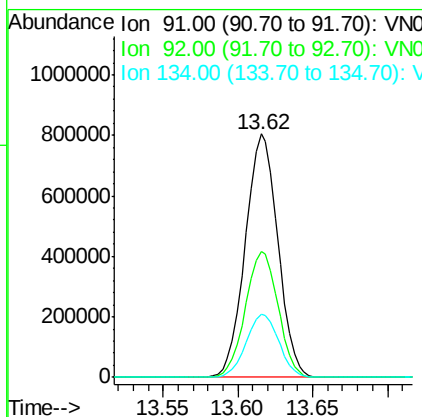
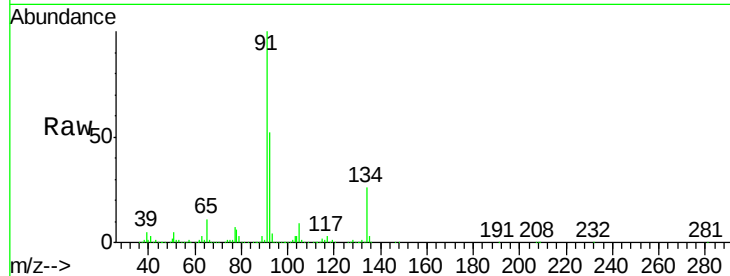
#89
n-Butylbenzene
Concen: 19.27 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion: 91 Resp: 1218053
Ion Ratio Lower Upper
91 100
92 52.0 25.1 75.4
134 26.1 12.0 36.0

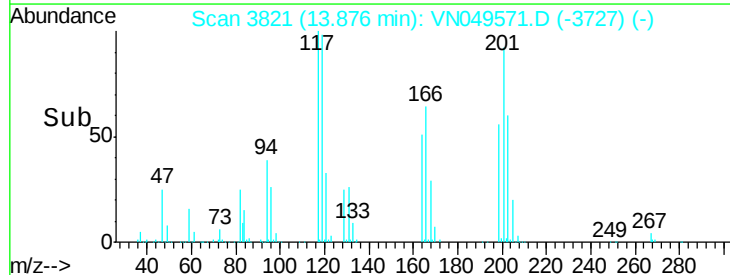
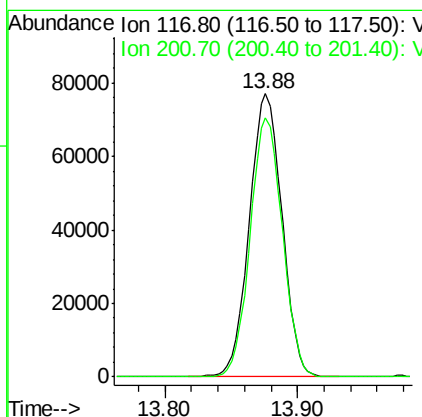
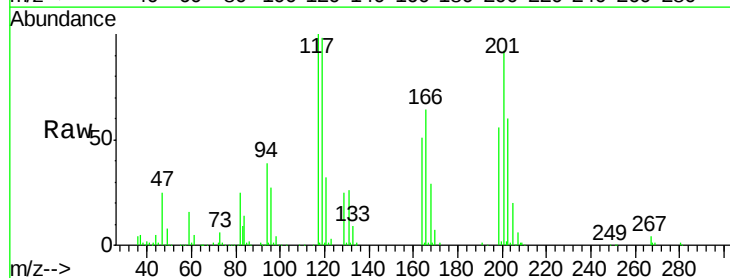
Manual Integrations
APPROVED

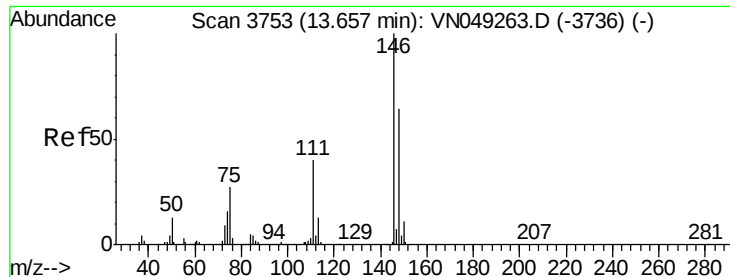
MMDadoda
6/28/2018 4:38:10 PM



#90
Hexachloroethane
Concen: 7.16 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion: 117 Resp: 131912
Ion Ratio Lower Upper
117 100
201 90.3 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 18.31 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

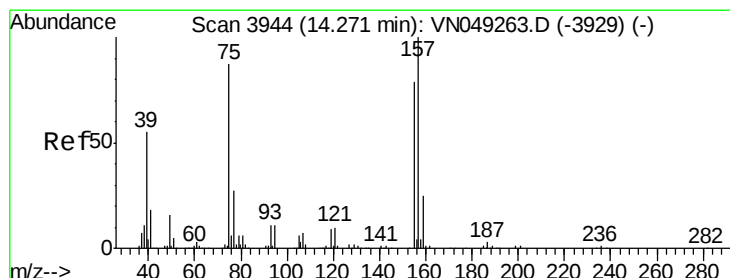
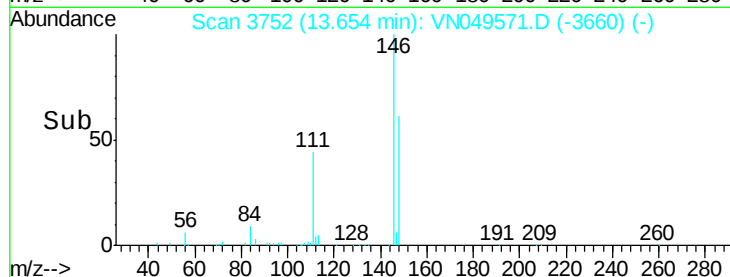
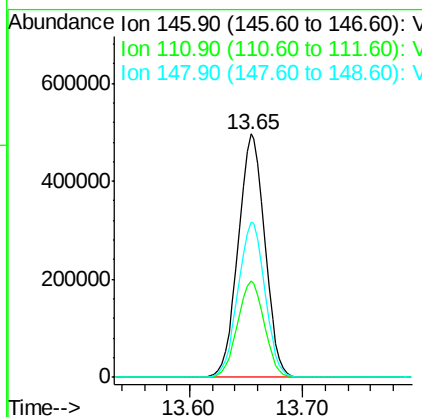
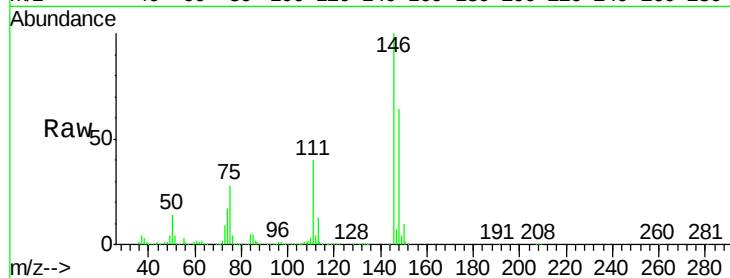
ClientSampleId :

VN0627WBSD01

Tot Ion:	146	Resp:	815766
Ion Ratio		Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.43 ug/l

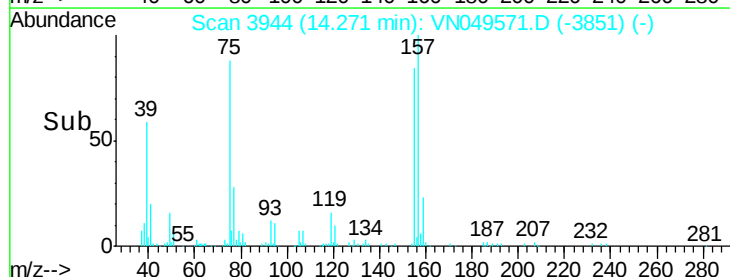
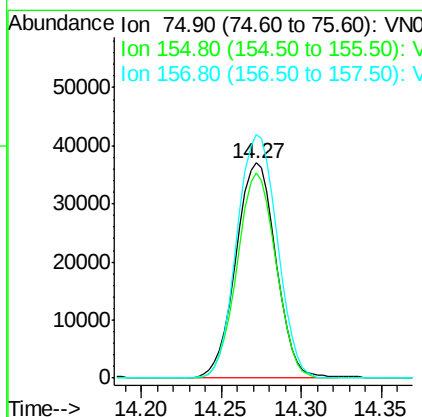
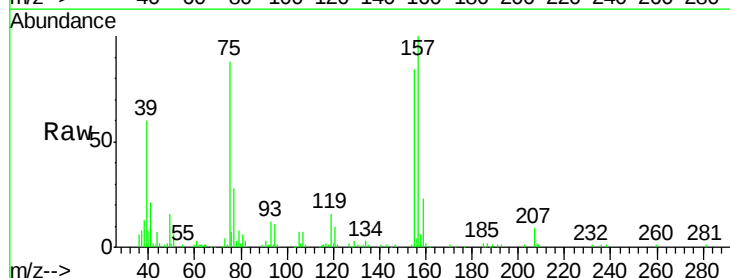
RT: 14.27 min Scan# 3944

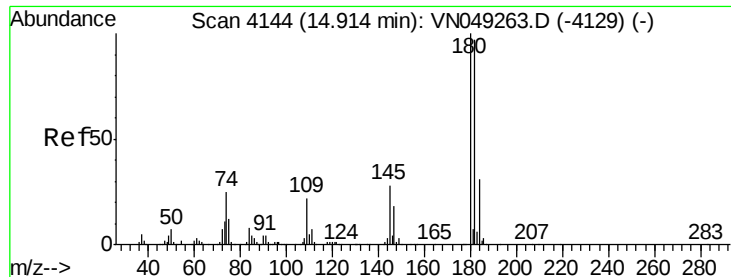
Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	75	Resp:	63426
Ion Ratio		Lower	Upper
75	100		
155	91.9	38.8	116.3
157	113.8	51.0	153.1





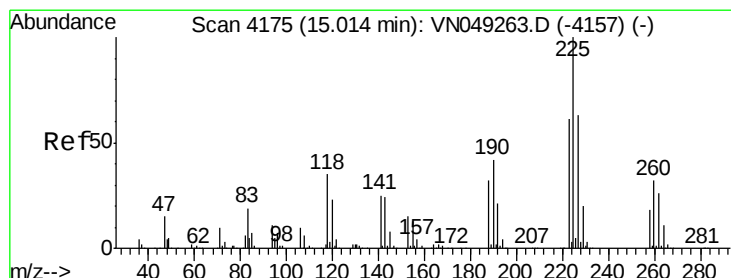
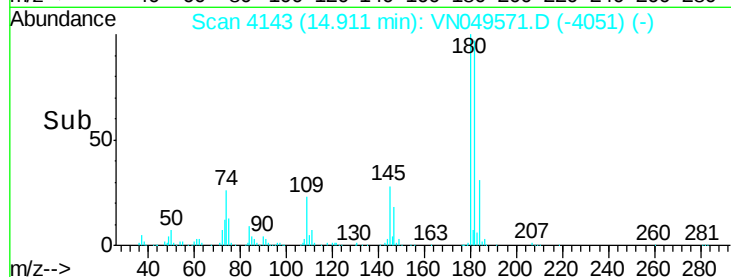
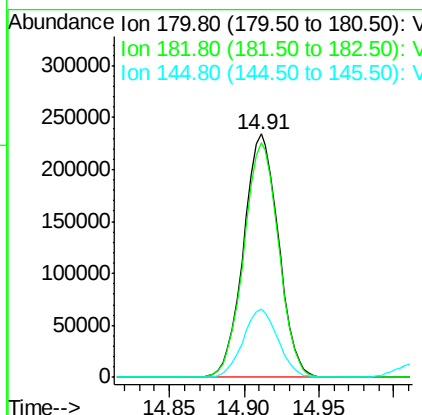
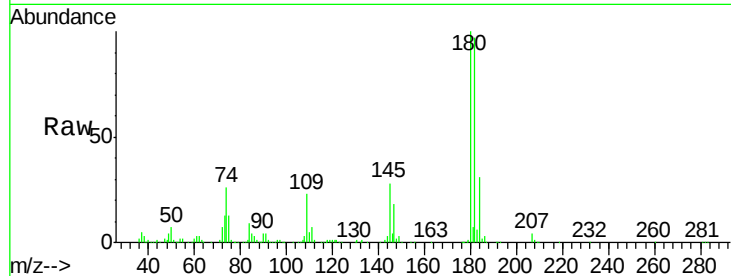
#93
1,2,4-Trichlorobenzene
Concen: 21.57 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	379590		
182	96.2	46.9	140.8	
145	28.2	14.7	44.1	

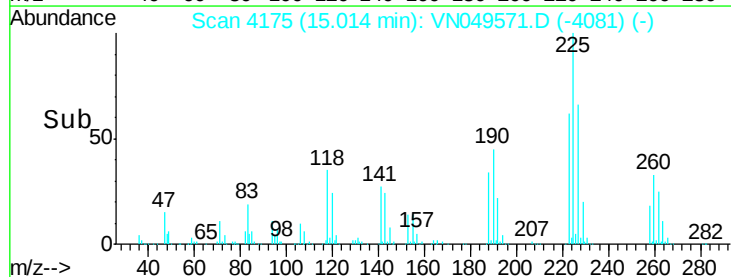
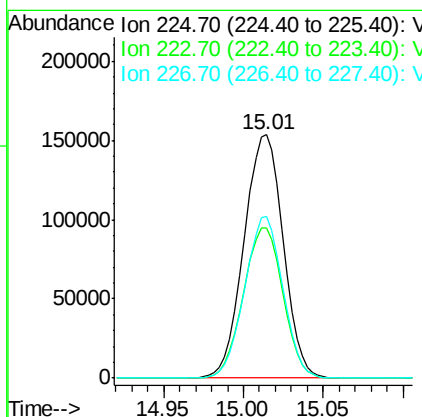
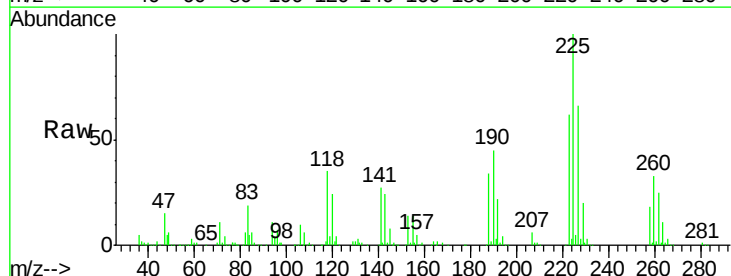
Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#94
Hexachlorobutadiene
Concen: 17.96 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049571.D
Acq: 27 Jun 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	256658		
223	62.6	32.1	96.3	
227	64.6	31.8	95.3	





#95

Naphthalene

Concen: 24.24 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Instrument :

MSVOA_N

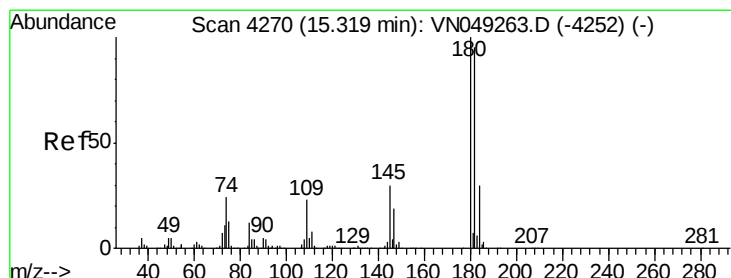
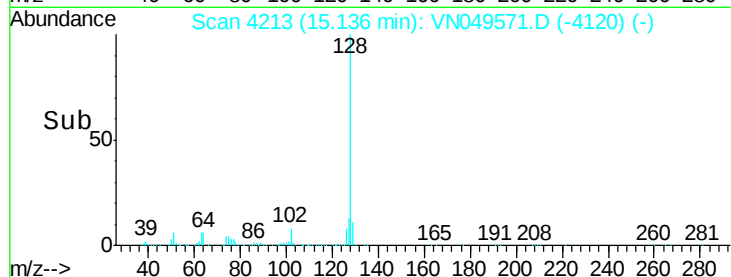
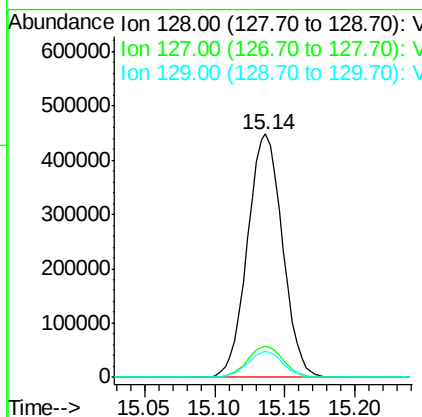
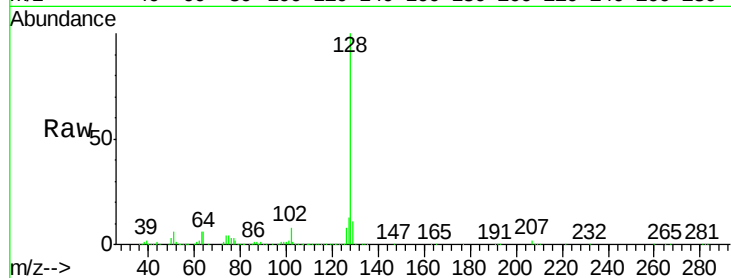
ClientSampleId :

VN0627WBSD01

Tot Ion:	128	Resp:	779523
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:38:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.87 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049571.D

Acq: 27 Jun 2018 14:48

Tgt Ion:	180	Resp:	373318
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.3	141.8
145	29.8	15.6	46.7

