

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049514.D
 Acq On : 25 Jun 2018 15:22
 Operator : MD\SY
 Sample : VN0625WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 5:13:59 PM

Quant Time: Jun 26 02:01:19 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	1684663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2428676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2213741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1055042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	989316	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
35) Dibromofluoromethane	7.59	113	892554	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
50) Toluene-d8	10.09	98	3384185	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
62) 4-Bromofluorobenzene	12.40	95	1116437	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	291675	15.04	ug/l	98
3) Chloromethane	2.06	50	365374	14.59	ug/l	97
4) Vinyl Chloride	2.18	62	408159	15.34	ug/l	99
5) Bromomethane	2.57	94	208689	14.92	ug/l	95
6) Chloroethane	2.70	64	250336	15.78	ug/l	100
7) Trichlorofluoromethane	3.02	101	579278	17.45	ug/l	99
8) Diethyl Ether	3.41	74	196285	16.94	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	365189	17.34	ug/l	92
10) Methyl Iodide	3.95	142	363391	16.58	ug/l	93
11) Tert butyl alcohol	4.79	59	105962	80.80	ug/l	97
12) 1,1-Dichloroethene	3.73	96	313272	16.22	ug/l	91
13) Acrolein	3.61	56	120180	87.39	ug/l	99
14) Allyl chloride	4.32	41	511060	16.76	ug/l	89
15) Acrylonitrile	4.99	53	542762	82.77	ug/l	98
16) Acetone	3.82	43	486102	89.60	ug/l	93
17) Carbon Disulfide	4.05	76	923645	15.26	ug/l	99
18) Methyl Acetate	4.33	43	296097	17.90	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	852215	17.30	ug/l	99
20) Methylene Chloride	4.55	84	396538	17.50	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	341645	16.71	ug/l	91
22) Diisopropyl ether	5.95	45	1086252	17.83	ug/l	97
23) Vinyl Acetate	5.90	43	3281276	82.64	ug/l	95
24) 1,1-Dichloroethane	5.85	63	671262	17.22	ug/l	98
25) 2-Butanone	6.84	43	628882	86.33	ug/l	96
26) 2,2-Dichloropropane	6.83	77	560160	17.79	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	387482	17.04	ug/l	93
28) Bromochloromethane	7.19	49	327819	18.97	ug/l #	82
29) Tetrahydrofuran	7.21	42	388156	82.77	ug/l	93
30) Chloroform	7.37	83	666065	17.17	ug/l	99
31) Cyclohexane	7.65	56	573861	17.25	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	576955	17.43	ug/l	97
36) 1,1-Dichloropropene	7.79	75	488280	17.54	ug/l	96
37) Ethyl Acetate	6.93	43	273454	18.07	ug/l #	96
38) Carbon Tetrachloride	7.77	117	517784	17.97	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049514.D
 Acq On : 25 Jun 2018 15:22
 Operator : MD\SY
 Sample : VN0625WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 5:13:59 PM

Quant Time: Jun 26 02:01:19 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	531152	17.78	ug/l	97
40) Benzene	8.04	78	1508826	17.68	ug/l	99
41) Methacrylonitrile	7.18	41	144515m	17.67	ug/l	
42) 1,2-Dichloroethane	8.12	62	468601	17.77	ug/l	98
43) Isopropyl Acetate	8.17	43	491981	17.02	ug/l	95
44) Trichloroethene	8.83	130	415540	18.44	ug/l	95
45) 1,2-Dichloropropane	9.12	63	399040	17.86	ug/l	99
46) Dibromomethane	9.21	93	226290	17.47	ug/l	92
47) Bromodichloromethane	9.40	83	511851	17.98	ug/l	97
48) Methyl methacrylate	9.20	41	243988	17.92	ug/l	88
49) 1,4-Dioxane	9.20	88	65697	349.61	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1347040	88.89	ug/l	95
52) Toluene	10.16	92	940168	18.77	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	465898	17.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	570749	17.75	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	331238	17.74	ug/l	99
56) Ethyl methacrylate	10.43	69	371920	17.27	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	553466	17.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	463379	71.05	ug/l	95
59) 2-Hexanone	10.75	43	869647	89.02	ug/l	94
60) Dibromochloromethane	10.90	129	370891	17.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	306859	17.68	ug/l	99
64) Tetrachloroethene	10.63	164	475445	20.96	ug/l	99
65) Chlorobenzene	11.44	112	1006713	17.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	381368	17.77	ug/l	99
67) Ethyl Benzene	11.51	91	1712374	18.10	ug/l	98
68) m/p-Xylenes	11.62	106	1320852	37.21	ug/l	97
69) o-Xylene	11.95	106	634125	18.55	ug/l	94
70) Styrene	11.97	104	976283	18.10	ug/l	98
71) Bromoform	12.13	173	244376	17.59	ug/l #	99
73) Isopropylbenzene	12.25	105	1696585	18.31	ug/l	98
74) N-amyl acetate	12.07	43	363437	16.02	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	351852	16.98	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	299623m	16.64	ug/l	
77) Bromobenzene	12.53	156	420638	17.19	ug/l	91
78) n-propylbenzene	12.59	91	1896954	18.65	ug/l	98
79) 2-Chlorotoluene	12.68	91	1168370	18.13	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1383175	19.00	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	94503	16.59	ug/l	93
82) 4-Chlorotoluene	12.77	91	1144950	18.41	ug/l	97
83) tert-Butylbenzene	12.99	119	1159279	17.97	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1379577	19.07	ug/l	98
85) sec-Butylbenzene	13.17	105	1560352	18.17	ug/l	99
86) p-Isopropyltoluene	13.29	119	1323633	18.45	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	717695	17.83	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	693758	17.39	ug/l	100
89) n-Butylbenzene	13.62	91	963041	17.19	ug/l	98
90) Hexachloroethane	13.88	117	269137	18.77	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	698788	17.70	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50888	15.78	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049514.D
Acq On : 25 Jun 2018 15:22
Operator : MD\SY
Sample : VN0625WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

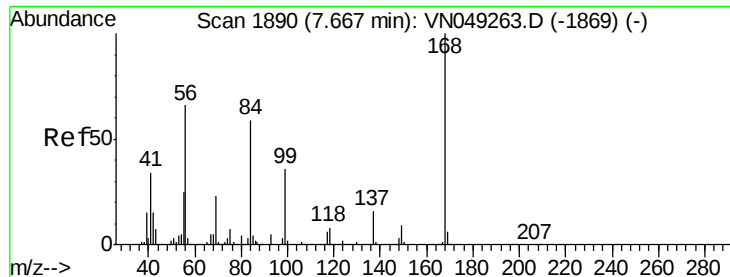
Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM

Quant Time: Jun 26 02:01:19 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	210828	15.29	ug/l	99
94) Hexachlorobutadiene	15.01	225	229125	18.11	ug/l	98
95) Naphthalene	15.14	128	376421	14.50	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	234194	15.78	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: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion:168 Resp: 1684663

Ion Ratio Lower Upper

168 100

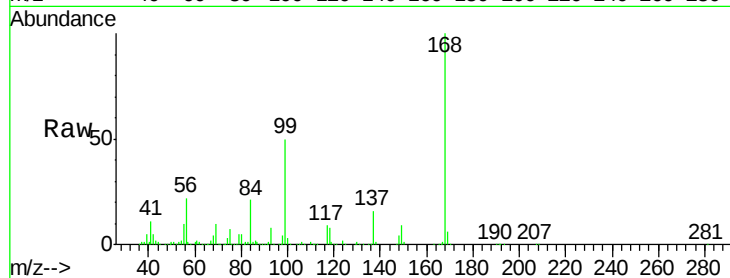
99 50.2 45.8 68.6

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

800000

600000

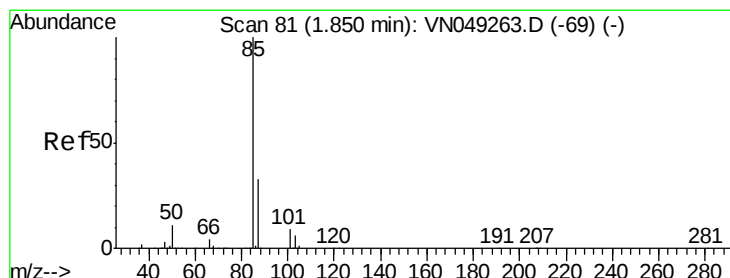
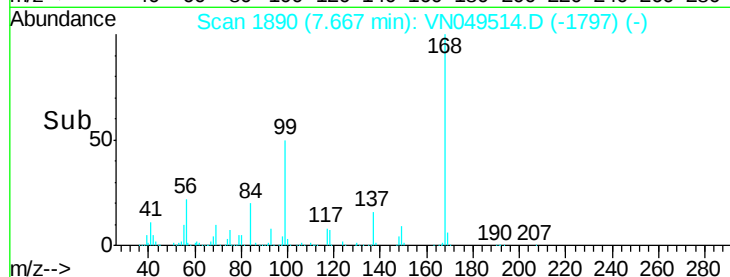
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.04 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049514.D

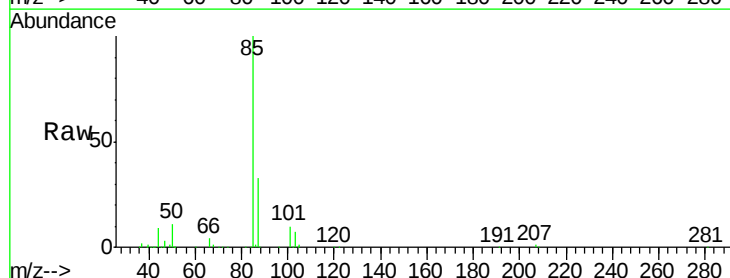
Acq: 25 Jun 2018 15:22

Tgt Ion: 85 Resp: 291675

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

250000

200000

150000

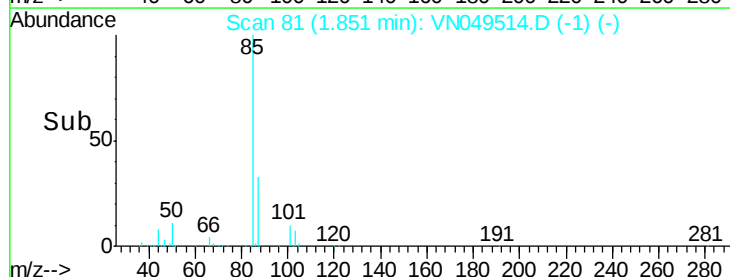
100000

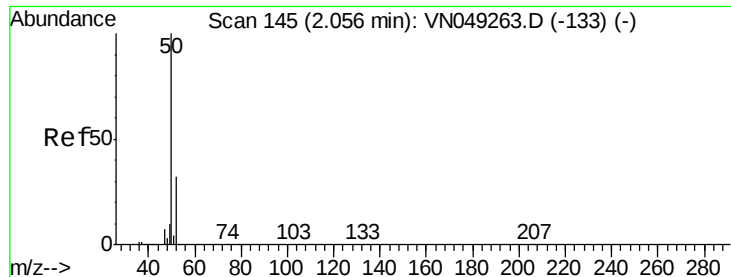
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 14.59 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 50 Resp: 365374

Ion Ratio Lower Upper

50 100

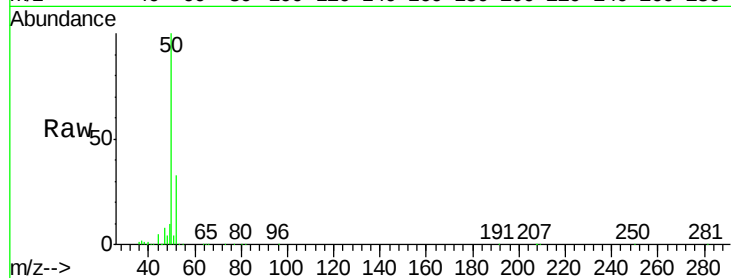
52 32.9 25.2 37.8

Manual Integrations

APPROVED

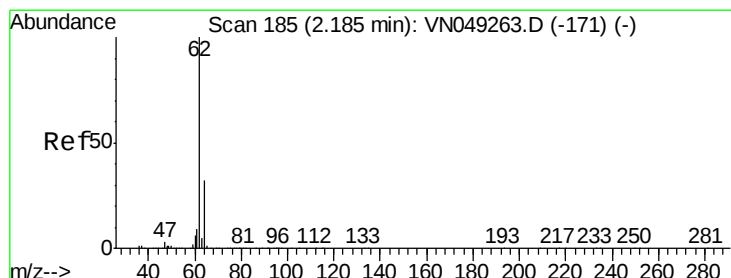
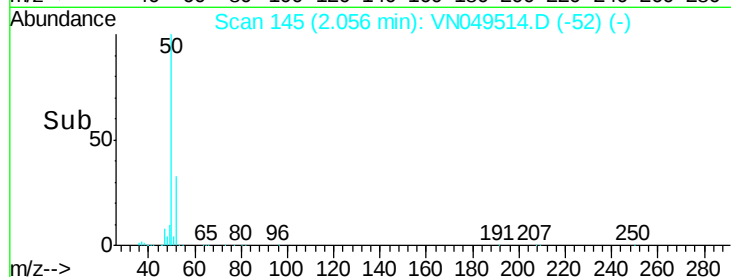
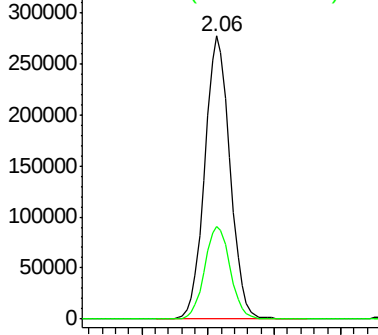
apatel

6/26/2018 5:13:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.34 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049514.D

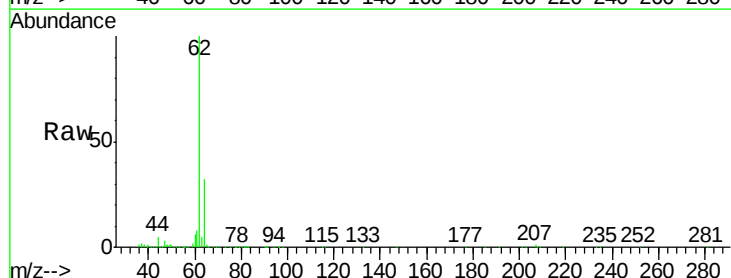
Acq: 25 Jun 2018 15:22

Tgt Ion: 62 Resp: 408159

Ion Ratio Lower Upper

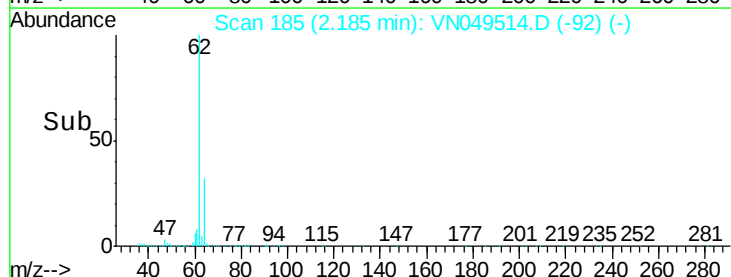
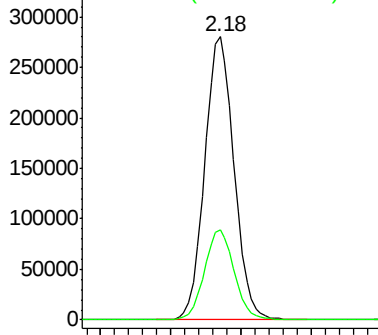
62 100

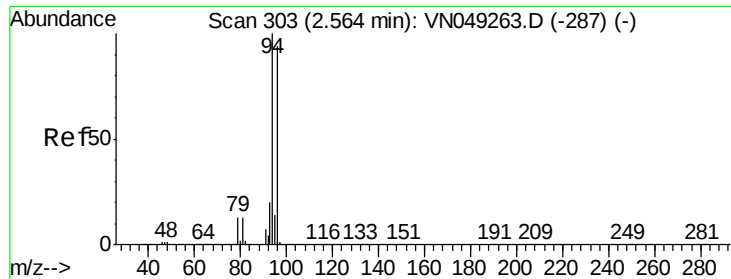
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.92 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 94 Resp: 208689

Ion Ratio Lower Upper

94 100

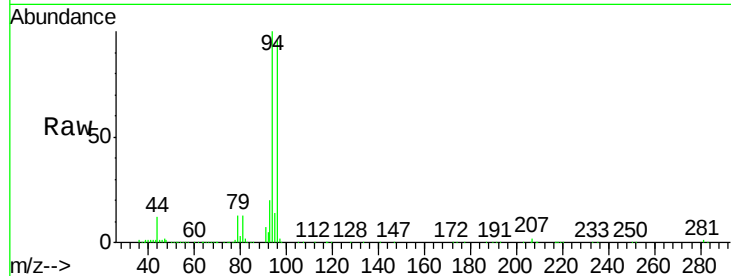
96 95.7 72.8 109.2

Manual Integrations

APPROVED

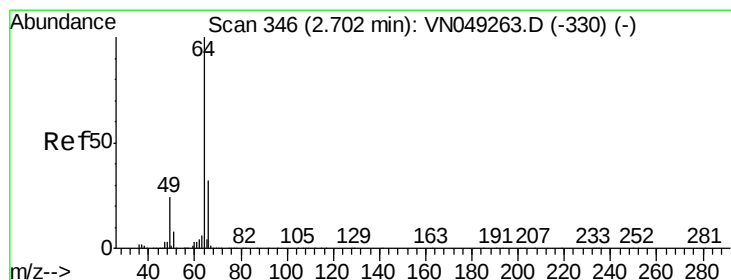
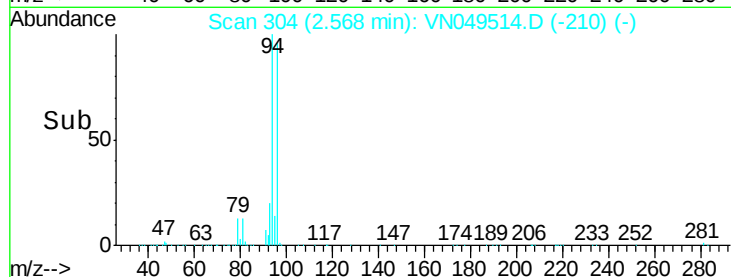
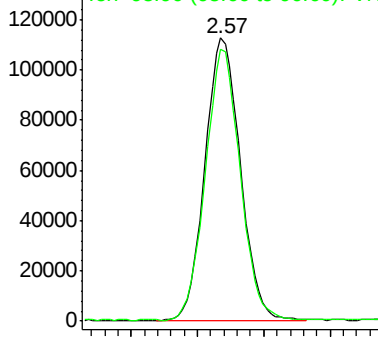
apatel

6/26/2018 5:13:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.78 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049514.D

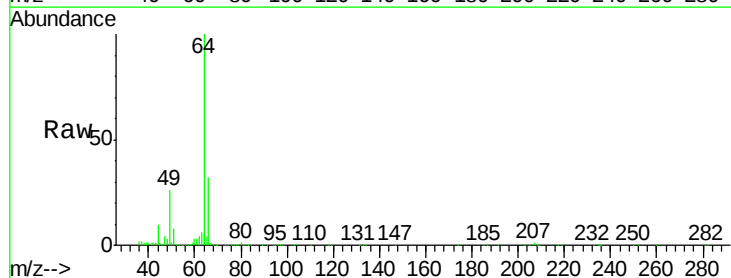
Acq: 25 Jun 2018 15:22

Tgt Ion: 64 Resp: 250336

Ion Ratio Lower Upper

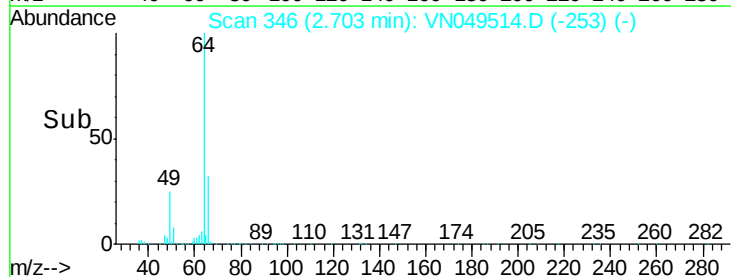
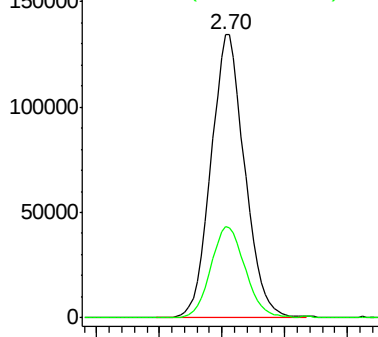
64 100

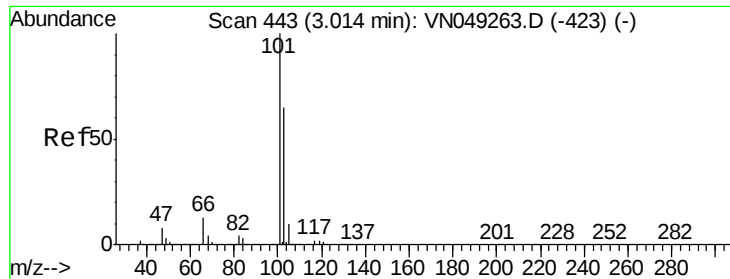
66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 17.45 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion:101 Resp: 579278

Ion Ratio Lower Upper

101 100

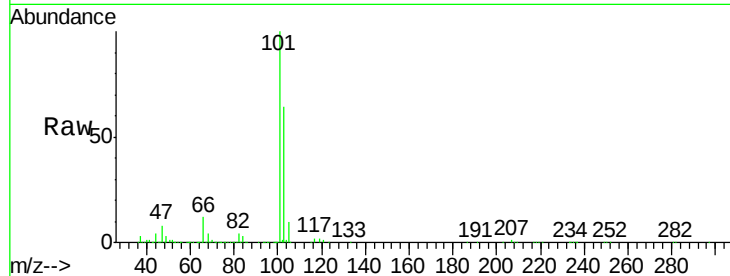
103 63.6 51.7 77.5

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

250000

200000

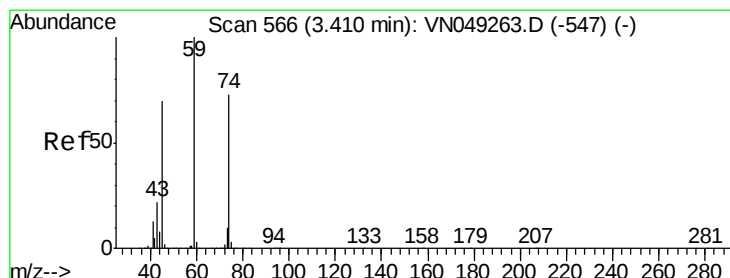
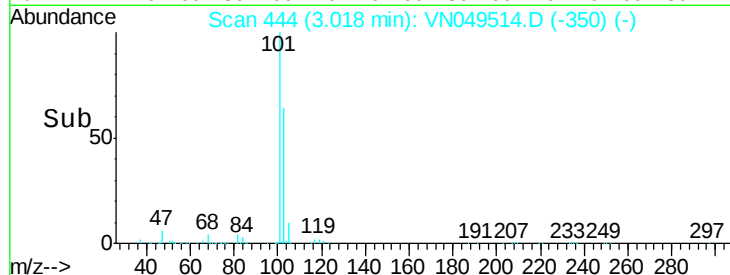
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 16.94 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049514.D

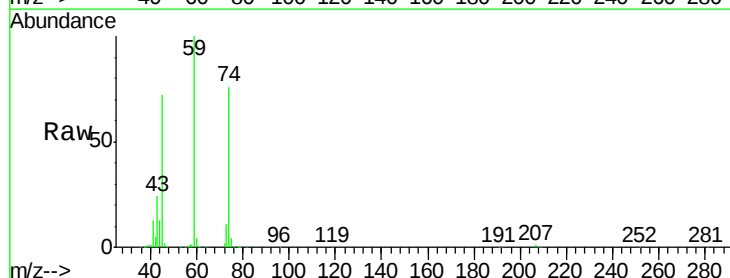
Acq: 25 Jun 2018 15:22

Tgt Ion: 74 Resp: 196285

Ion Ratio Lower Upper

74 100

45 94.5 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

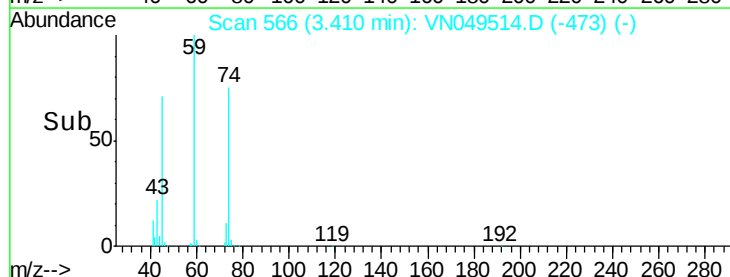
60000

40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.34 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

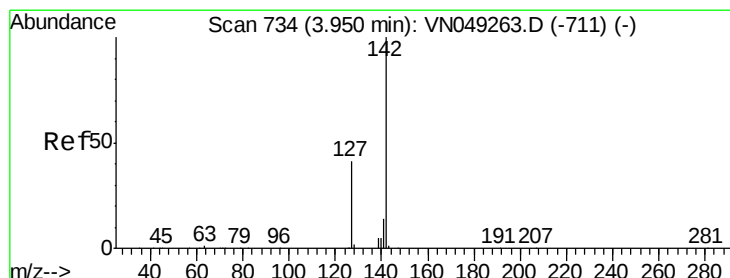
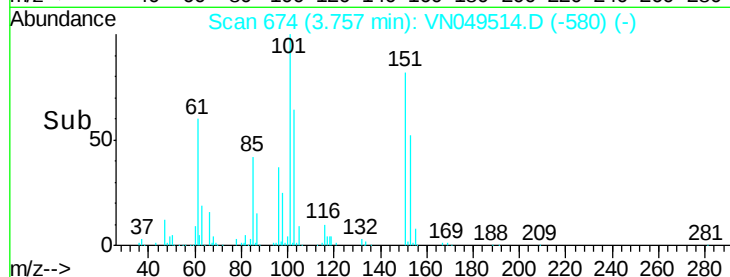
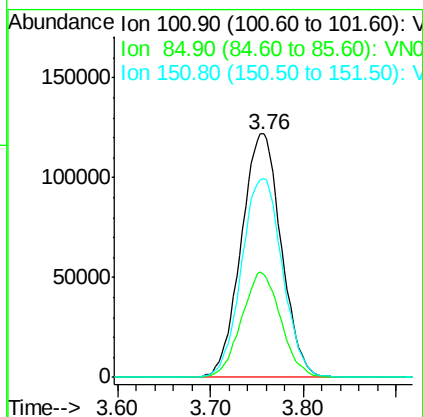
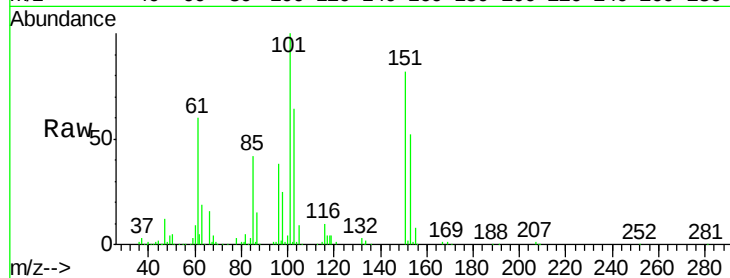
ClientSampleId :

VN0625WBS01

Tot Ion:	101	Resp:	365189
Ion Ratio	Lower	Upper	
101	100		
85	42.4	37.6	56.4
151	83.4	61.1	91.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#10

Methyl Iodide

Concen: 16.58 ug/l

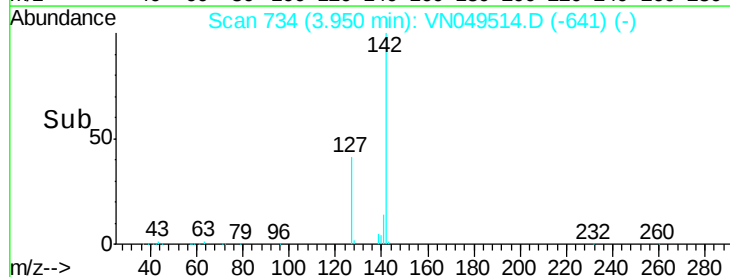
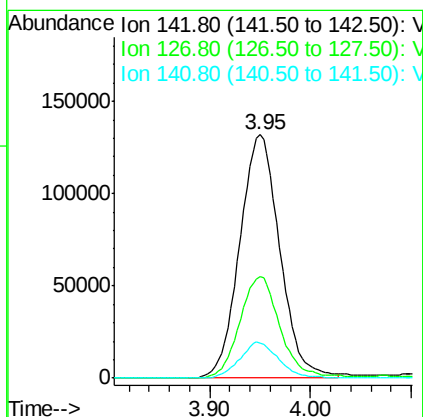
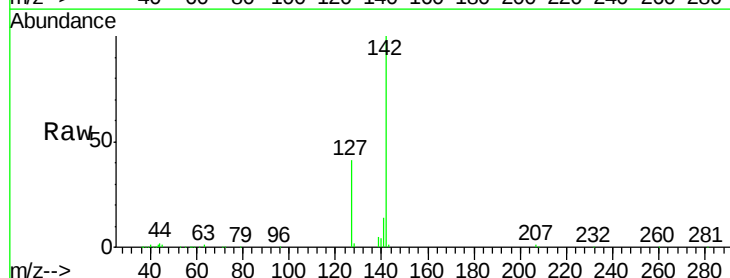
RT: 3.95 min Scan# 734

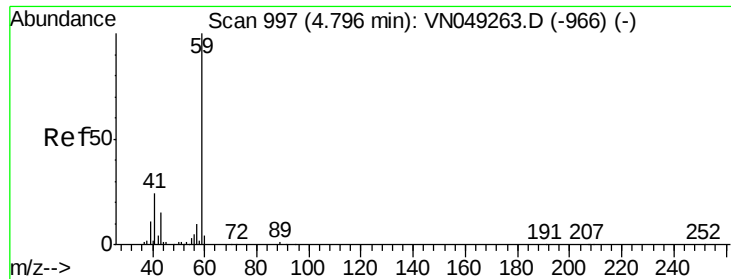
Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	142	Resp:	363391
Ion Ratio	Lower	Upper	
142	100		
127	42.1	38.2	57.4
141	14.4	11.9	17.9





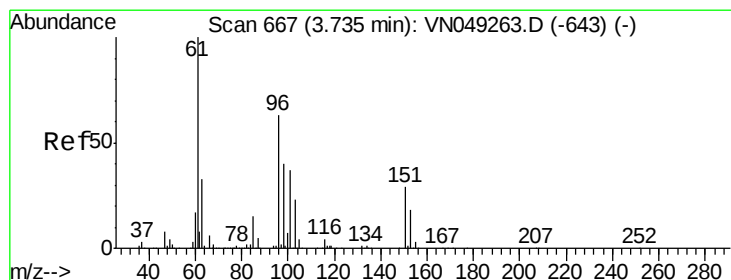
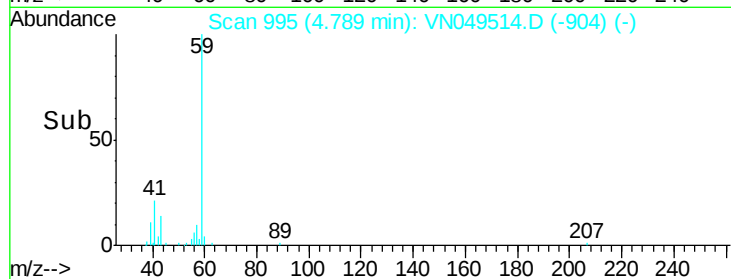
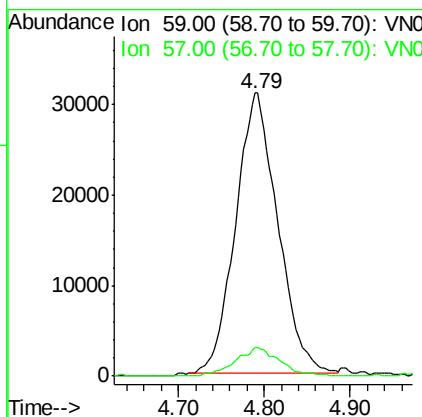
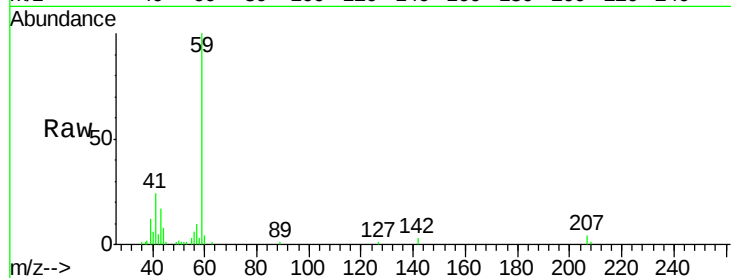
#11
Tert butyl alcohol
Concen: 80.80 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	59	Resp	105962
Ion Ratio	59	100	
Lower	57	10.3	9.0
Upper			13.6

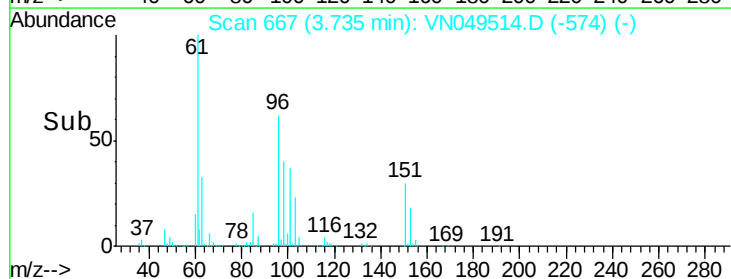
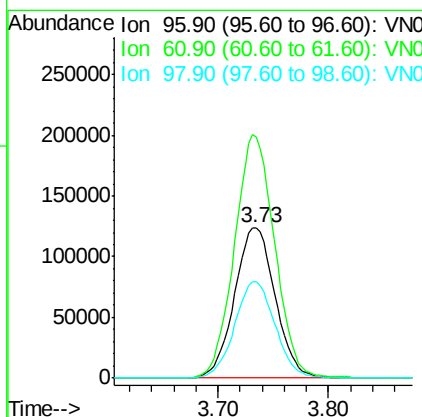
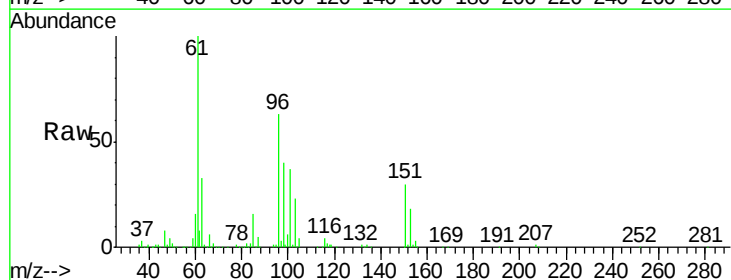
Manual Integrations
APPROVED

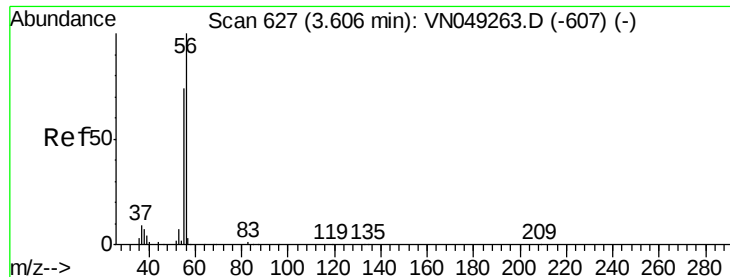
apatel
6/26/2018 5:13:59 PM



#12
1,1-Dichloroethene
Concen: 16.22 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	96	Resp	313272
Ion Ratio	96	100	
Lower	61	159.7	141.0
Upper	98	63.6	50.4
			75.6





#13

Acrolein

Concen: 87.39 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 56 Resp: 120180

Ion Ratio Lower Upper

56 100

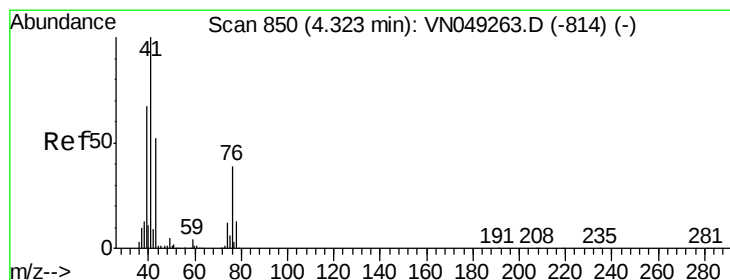
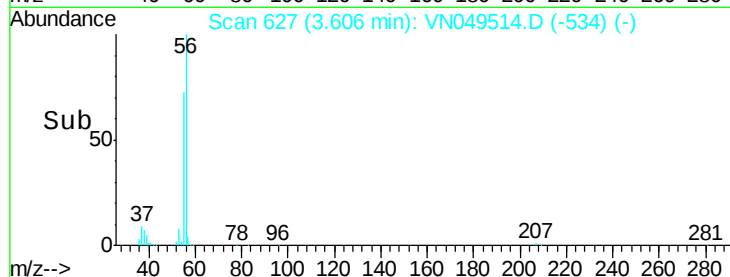
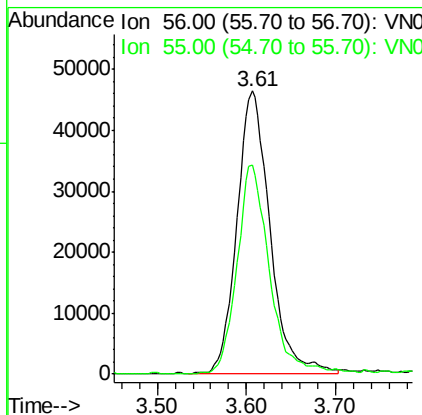
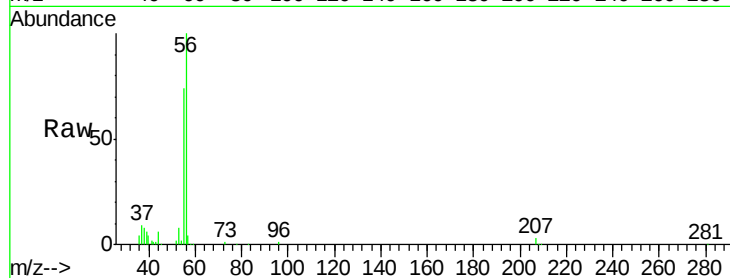
55 71.9 57.1 85.7

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



#14

Allyl chloride

Concen: 16.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

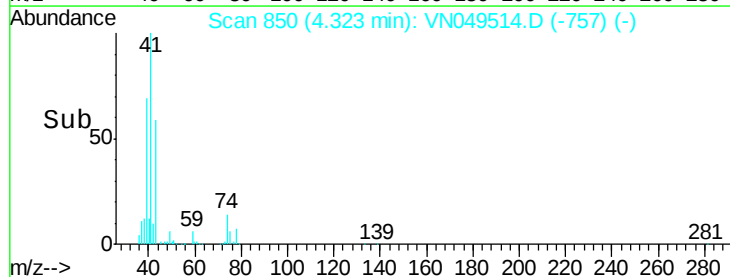
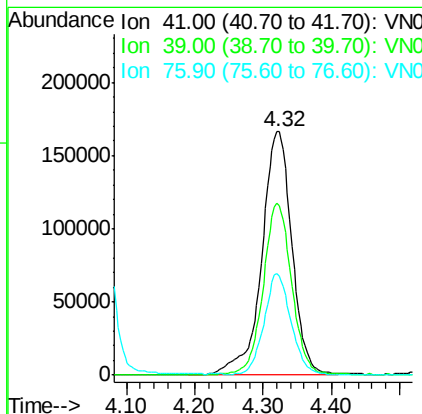
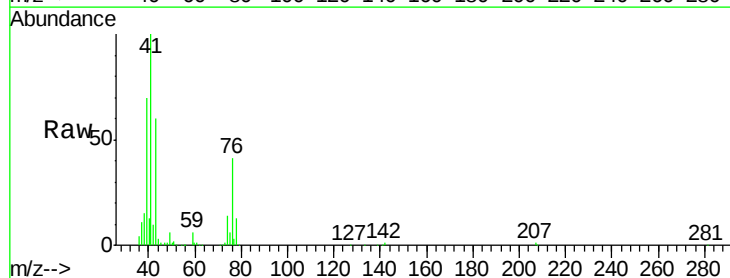
Tgt Ion: 41 Resp: 511060

Ion Ratio Lower Upper

41 100

39 66.6 62.5 93.7

76 36.4 27.1 40.7





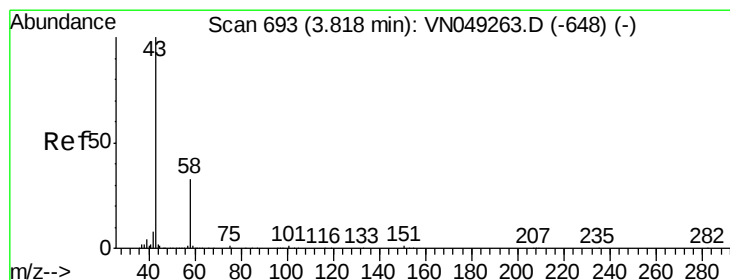
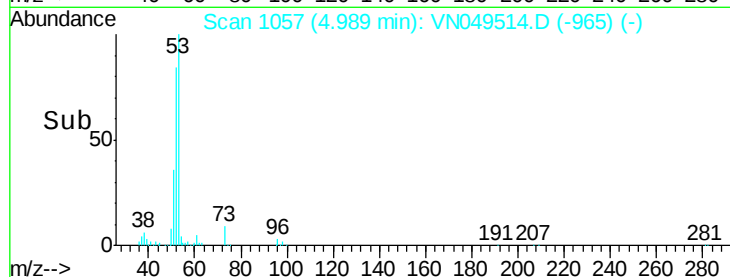
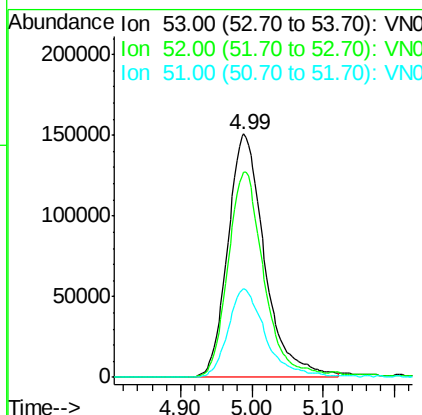
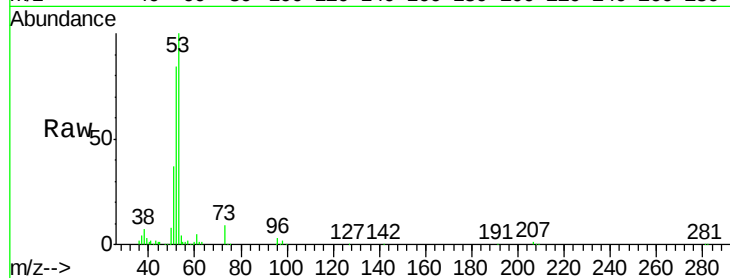
#15
 Acrylonitrile
 Concen: 82.77 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.2	29.8	44.8

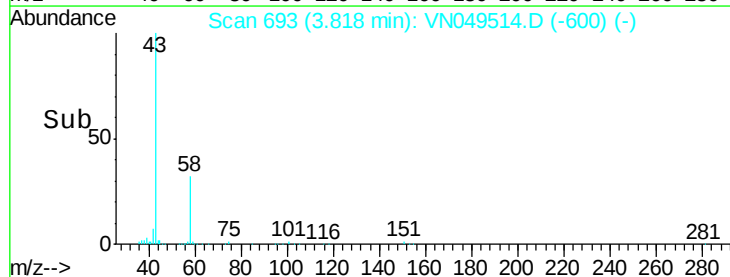
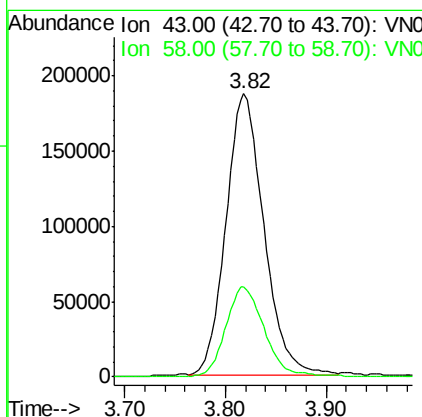
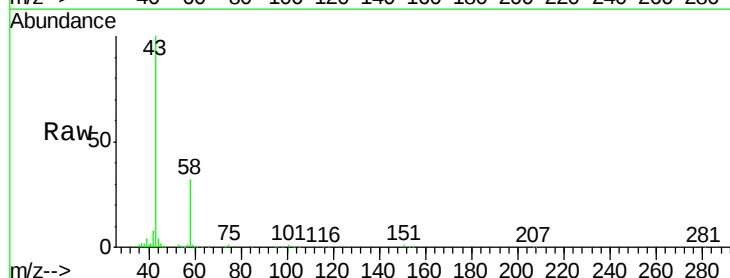
Manual Integrations
 APPROVED

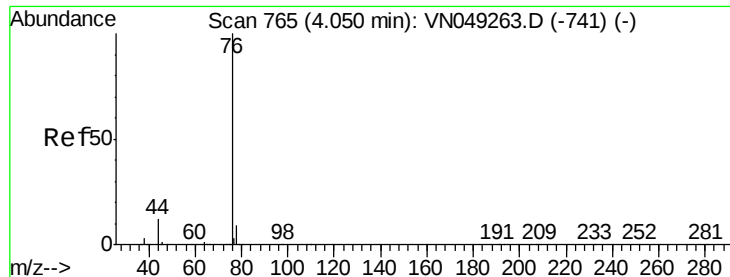
apatel
 6/26/2018 5:13:59 PM



#16
 Acetone
 Concen: 89.60 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	22.4	33.6





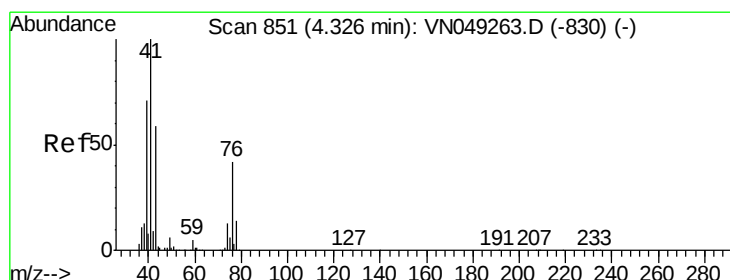
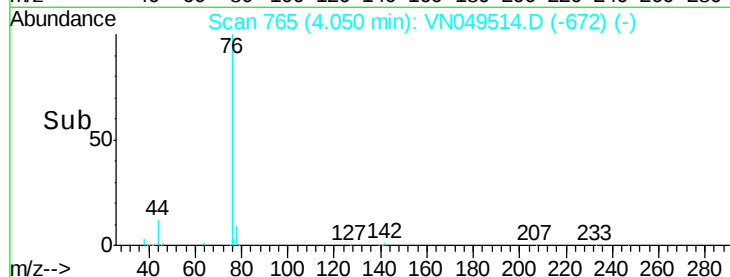
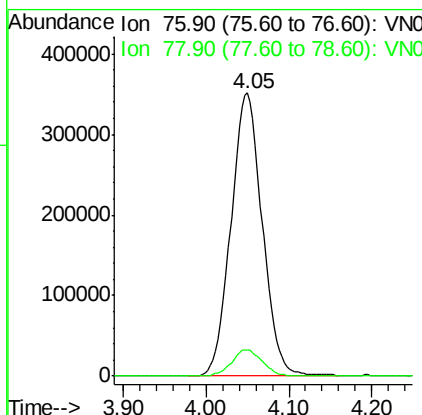
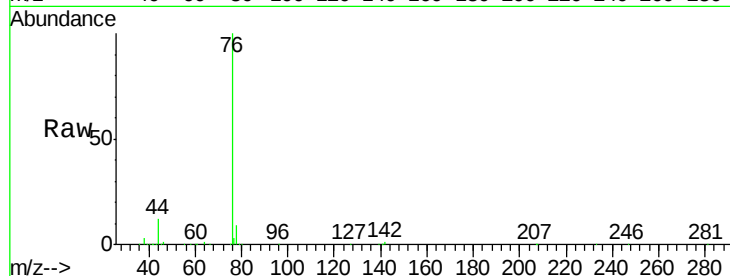
#17
Carbon Disulfide
Concen: 15.26 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

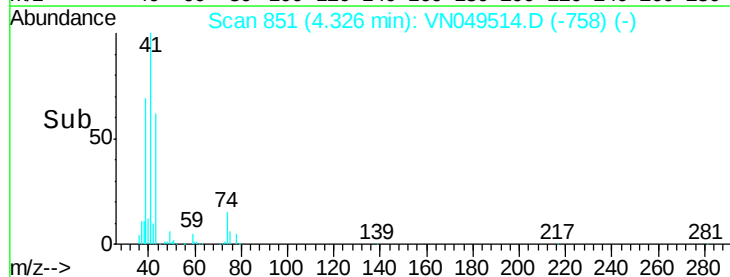
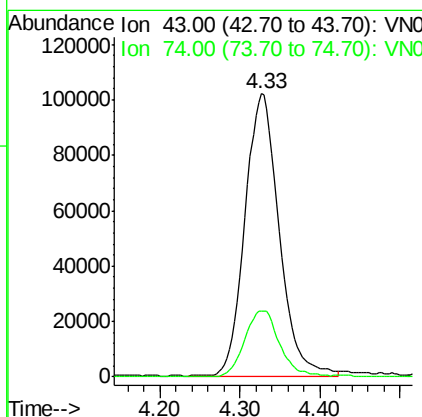
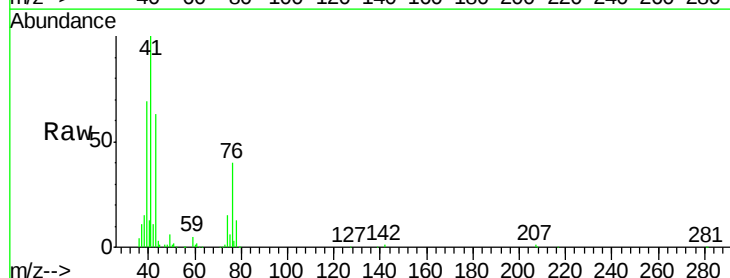
Manual Integrations
APPROVED

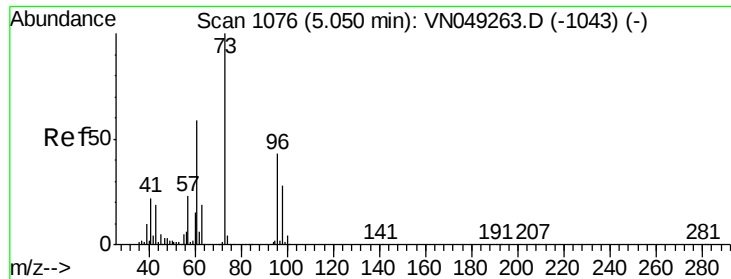
apatel
6/26/2018 5:13:59 PM



#18
Methyl Acetate
Concen: 17.90 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.4	26.0





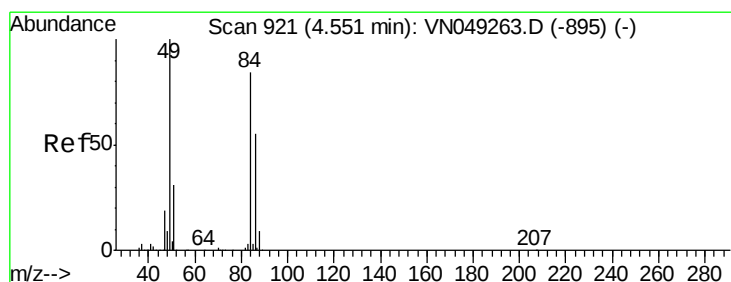
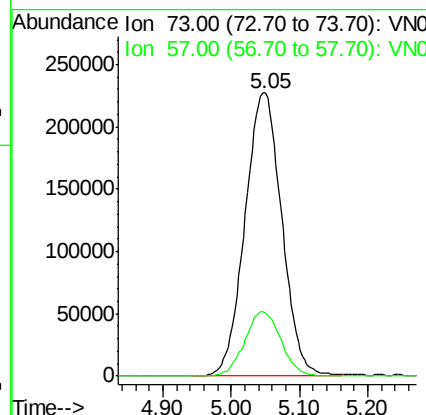
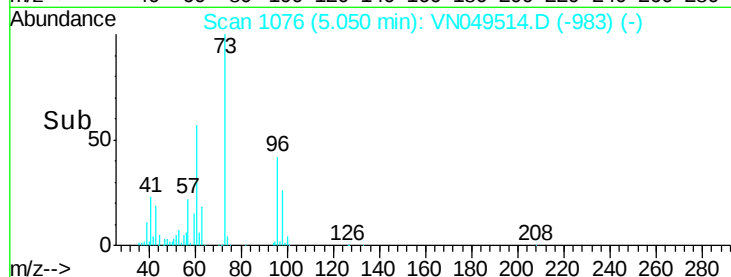
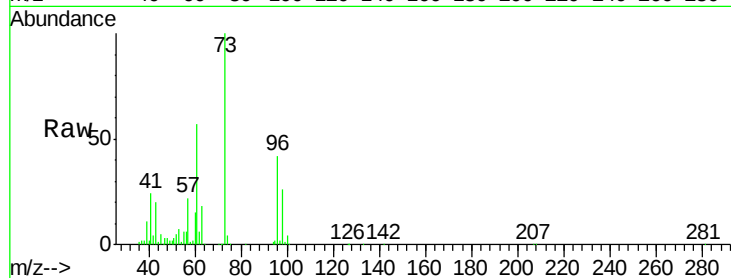
#19
Methyl tert-butyl Ether
Concen: 17.30 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.4

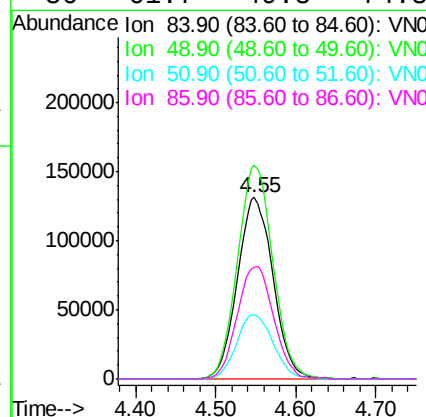
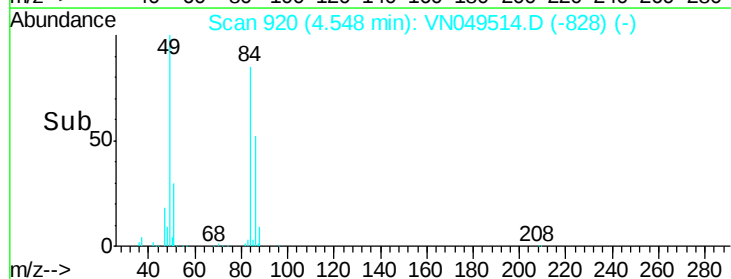
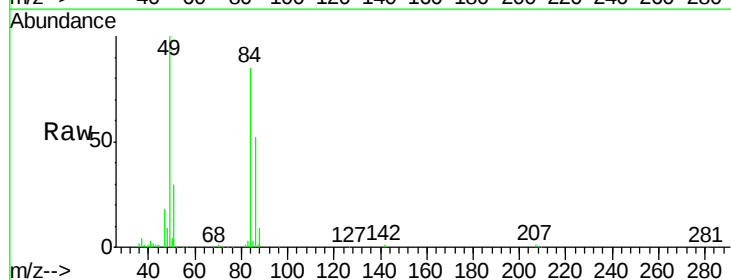
Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#20
Methylene Chloride
Concen: 17.50 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.6	106.9	160.3
51	35.4	32.7	49.1
86	61.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 16.71 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

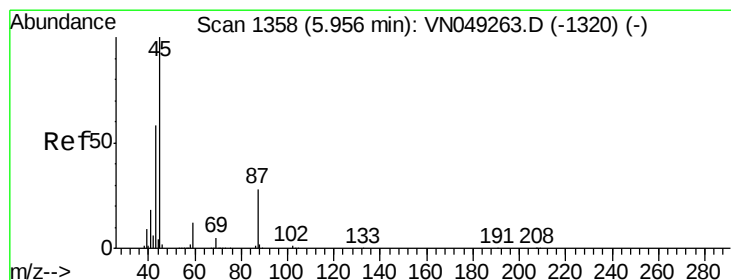
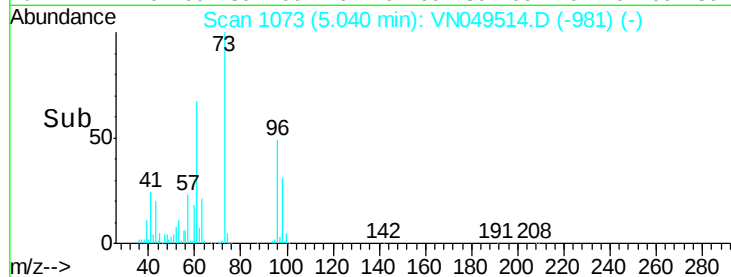
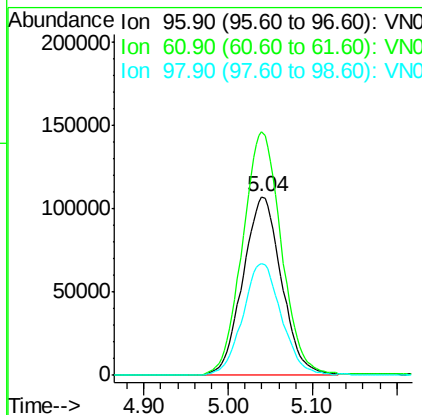
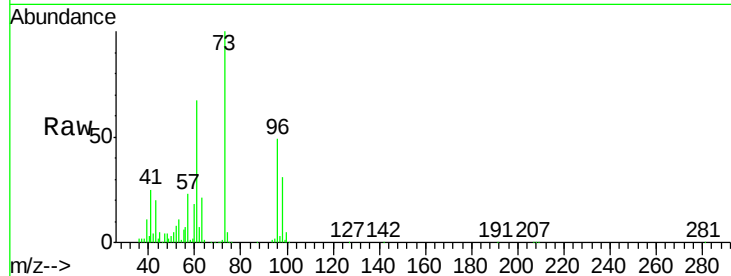
ClientSampleId :

VN0625WBS01

Tot Ion:	96	Resp:	341645
Ion	Ratio	Lower	Upper
96	100		
61	136.5	121.3	181.9
98	62.4	52.0	78.0

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#22

Diisopropyl ether

Concen: 17.83 ug/l

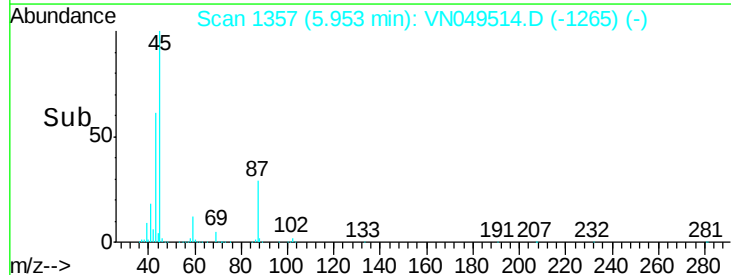
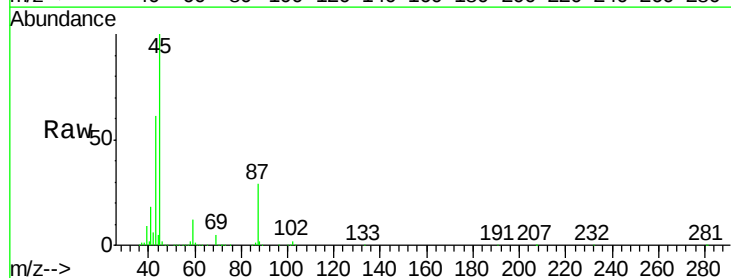
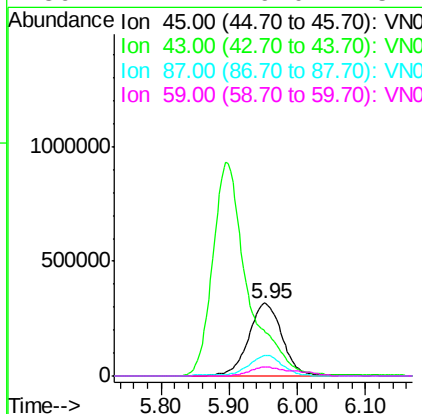
RT: 5.95 min Scan# 1357

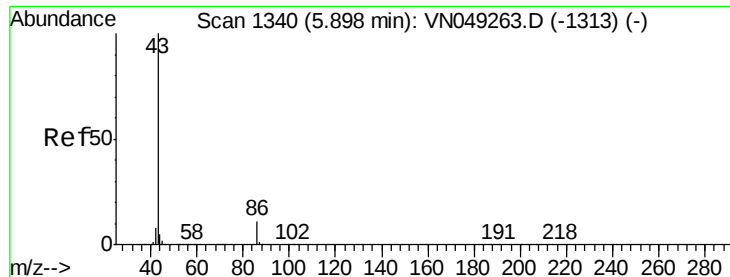
Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	45	Resp:	1086252
Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.6	72.8
87	28.2	20.2	30.2
59	12.1	9.0	13.4





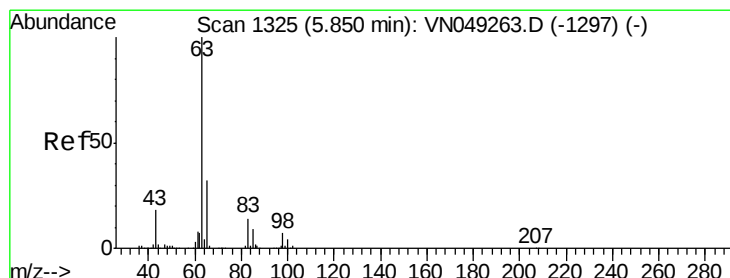
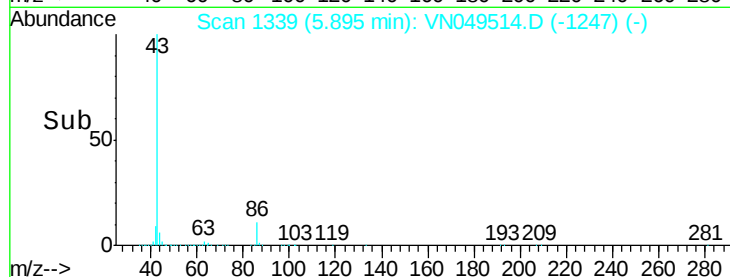
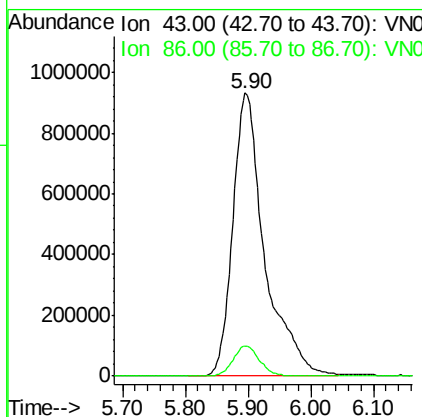
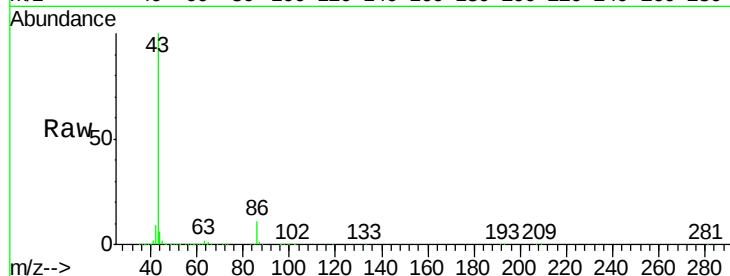
#23
 Vinyl Acetate
 Concen: 82.64 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion: 43 Resp: 3281276
 Ion Ratio Lower Upper
 43 100
 86 10.7 7.2 10.8

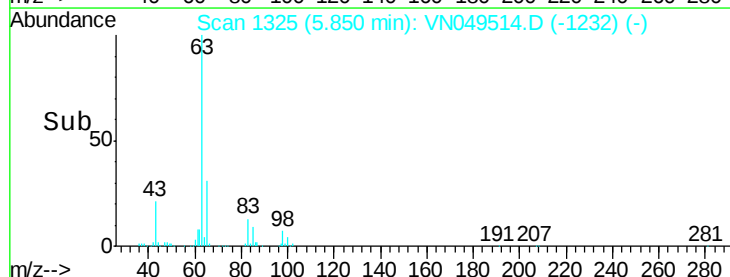
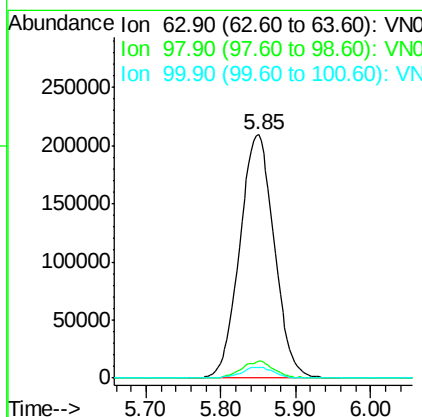
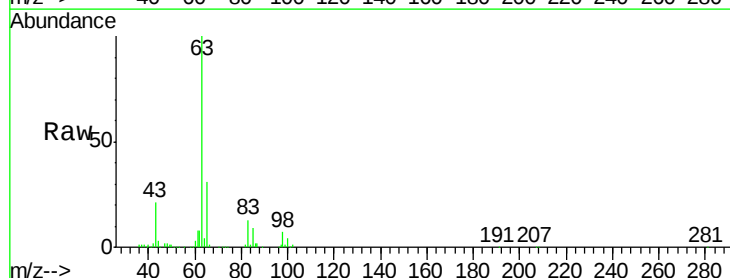
Manual Integrations
 APPROVED

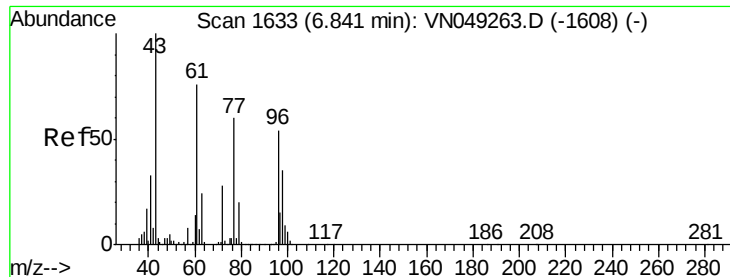
apatel
 6/26/2018 5:13:59 PM



#24
 1,1-Dichloroethane
 Concen: 17.22 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion: 63 Resp: 671262
 Ion Ratio Lower Upper
 63 100
 98 7.1 2.9 8.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 86.33 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 43 Resp: 628882

Ion Ratio Lower Upper

43 100

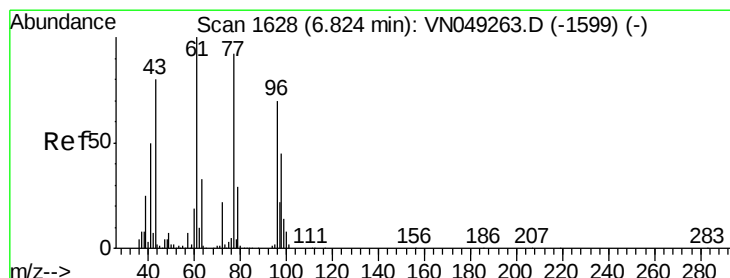
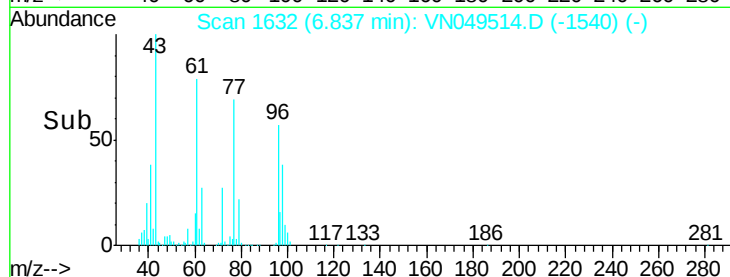
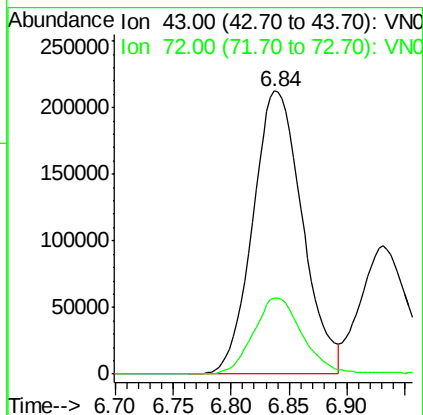
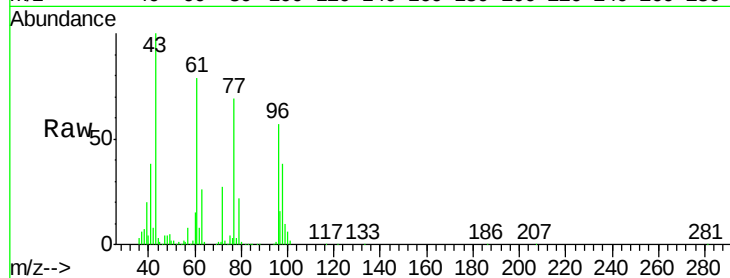
72 27.0 20.2 30.2

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



#26

2,2-Dichloropropane

Concen: 17.79 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049514.D

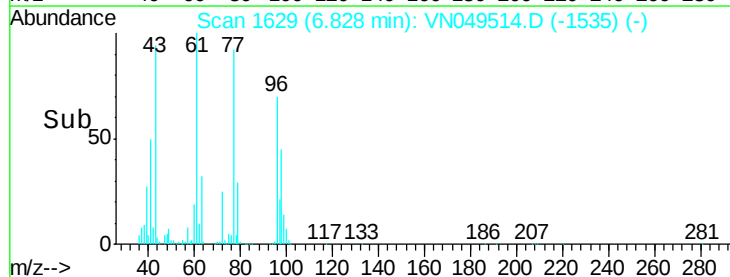
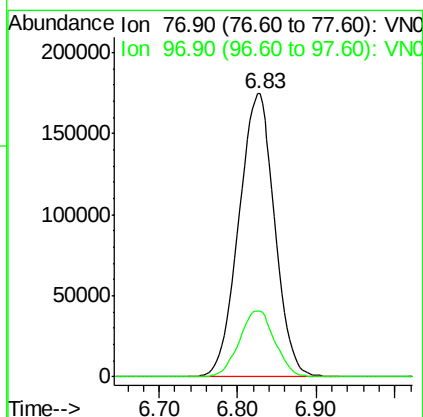
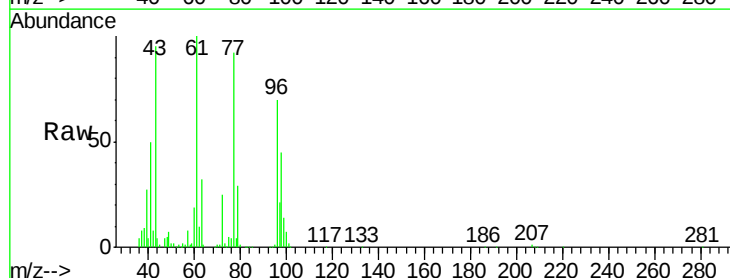
Acq: 25 Jun 2018 15:22

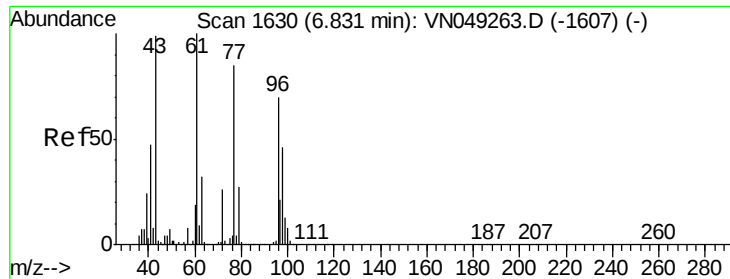
Tgt Ion: 77 Resp: 560160

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 17.04 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

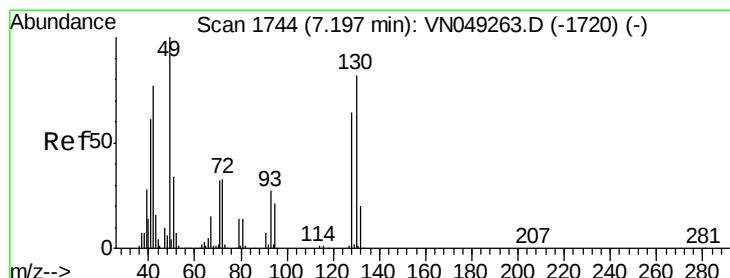
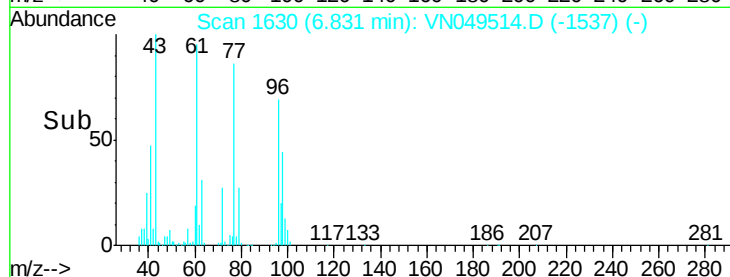
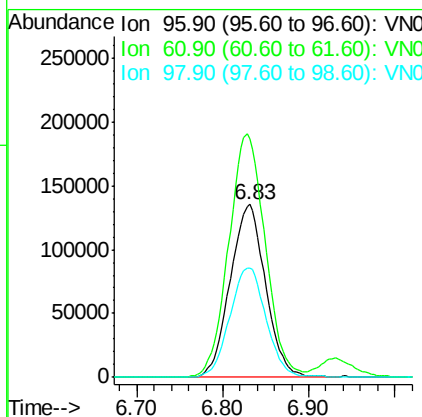
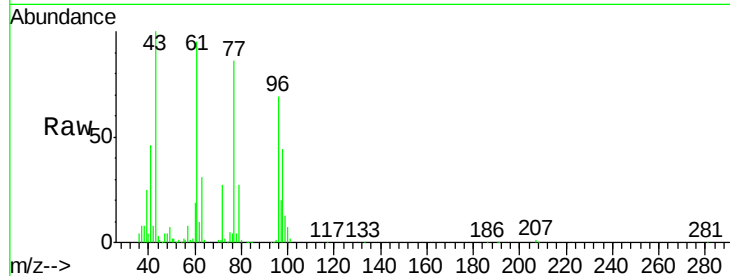
ClientSampleId :

VN0625WBS01

Tot Ion:	96	Resp:	387482
Ion Ratio	Lower	Upper	
96	100		
61	145.0	0.0	316.4
98	64.9	0.0	128.4

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#28

Bromochloromethane

Concen: 18.97 ug/l

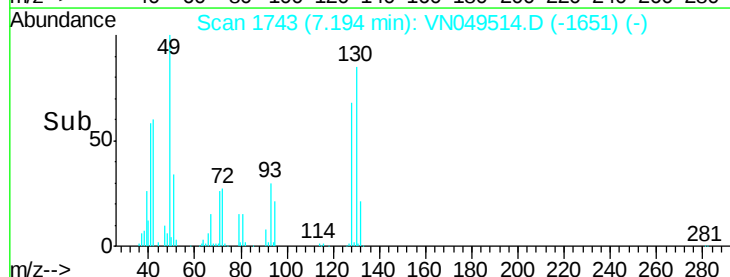
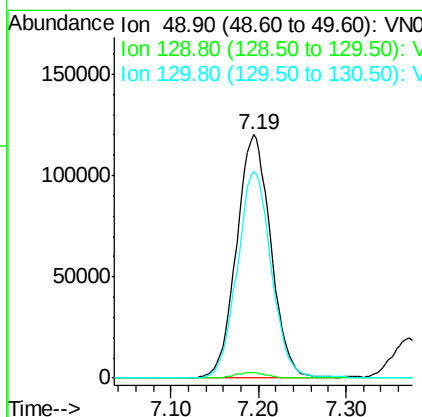
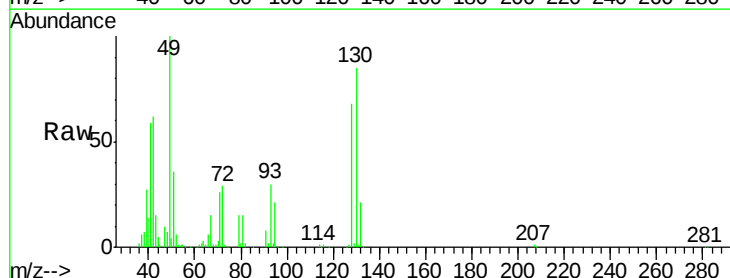
RT: 7.19 min Scan# 1743

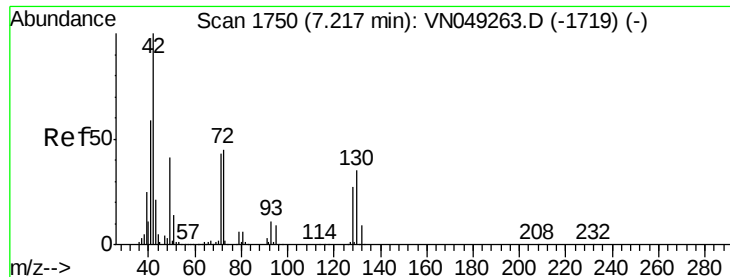
Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	49	Resp:	327819
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.8
130	83.6	54.9	82.3#





#29

Tetrahydrofuran

Concen: 82.77 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

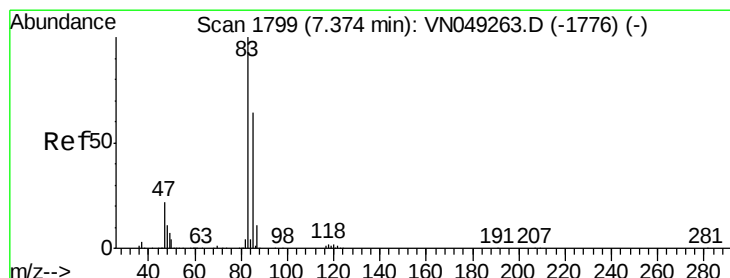
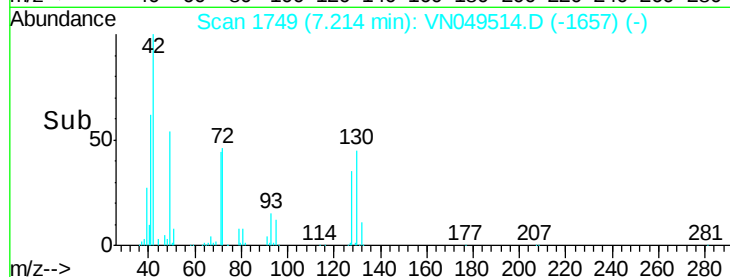
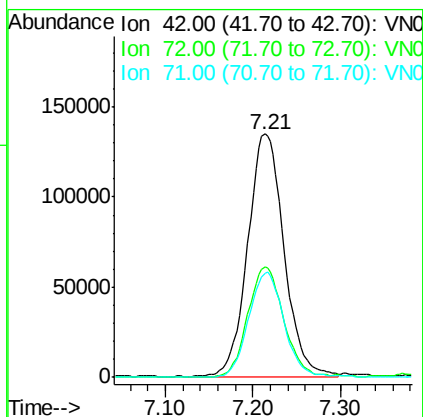
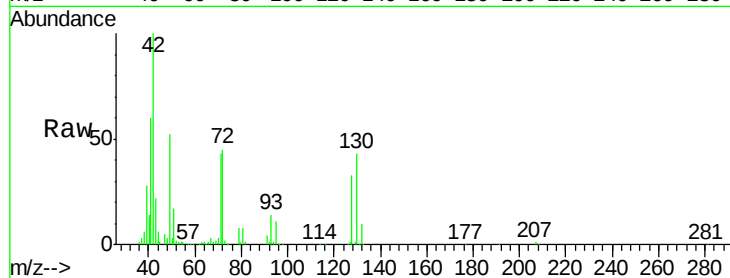
ClientSampleId :

VN0625WBS01

Tot Ion:	42	Resp:	388156
Ion Ratio		Lower	Upper
42	100		
72	44.6	32.2	48.4
71	42.4	30.5	45.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#30

Chloroform

Concen: 17.17 ug/l

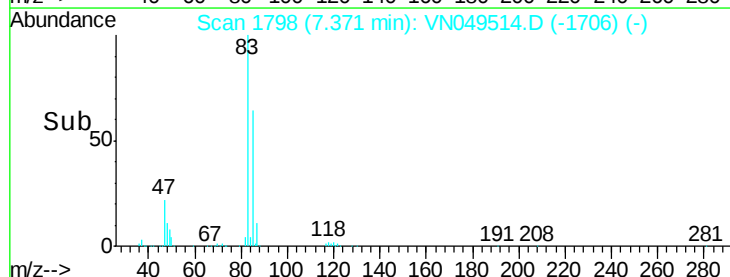
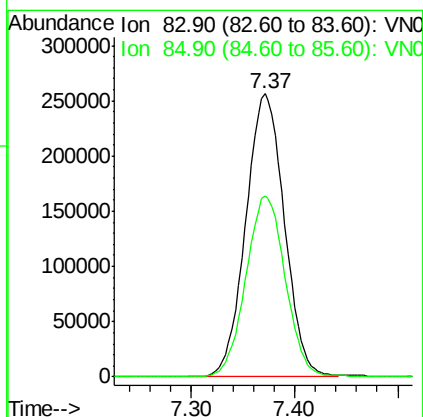
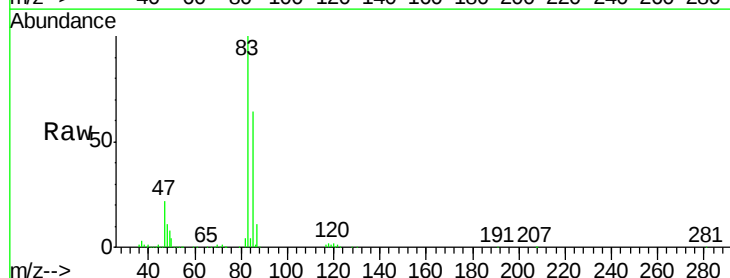
RT: 7.37 min Scan# 1798

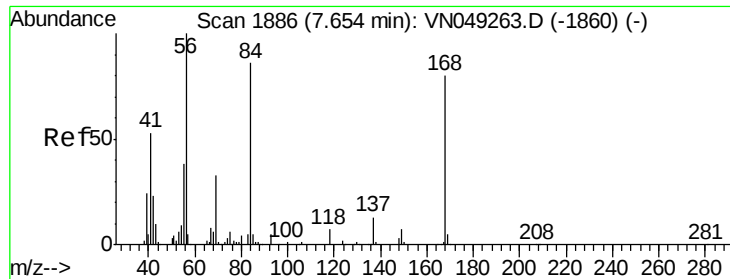
Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	83	Resp:	666065
Ion Ratio		Lower	Upper
83	100		
85	64.0	51.7	77.5





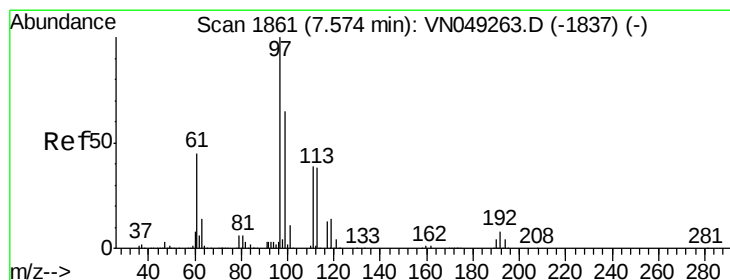
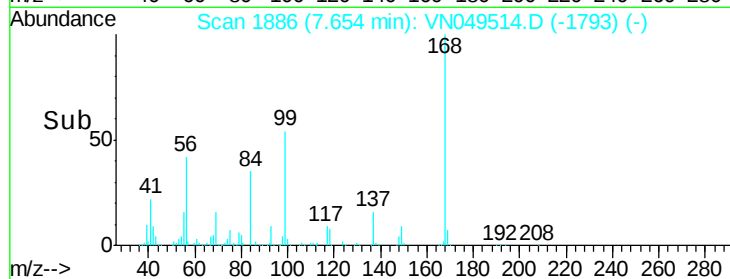
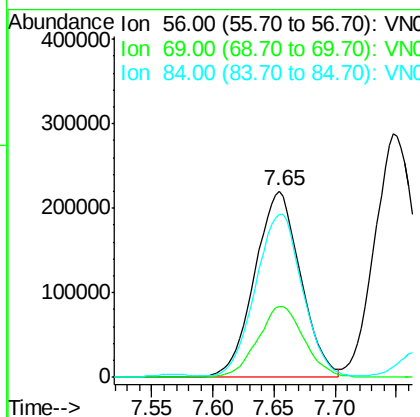
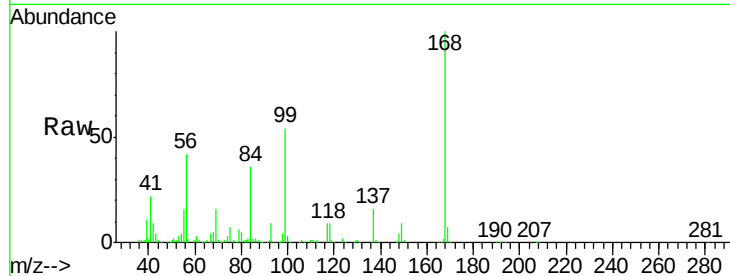
#31
Cyclohexane
Concen: 17.25 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.0	37.4#
84	86.1	64.6	96.8

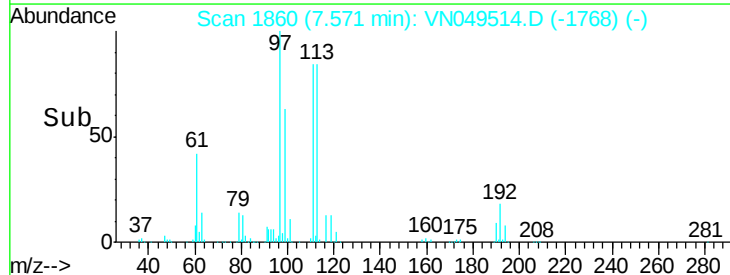
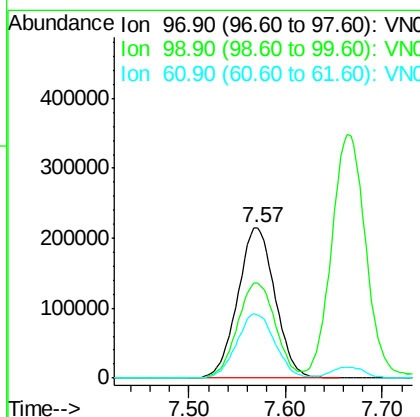
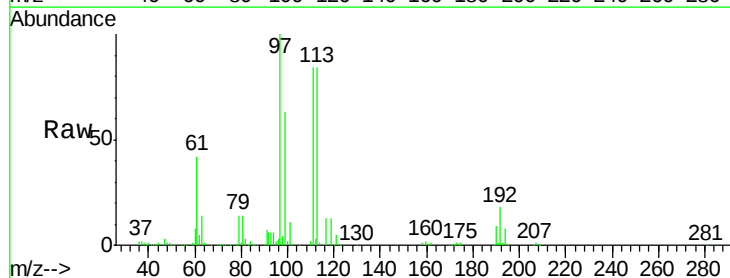
Manual Integrations
APPROVED

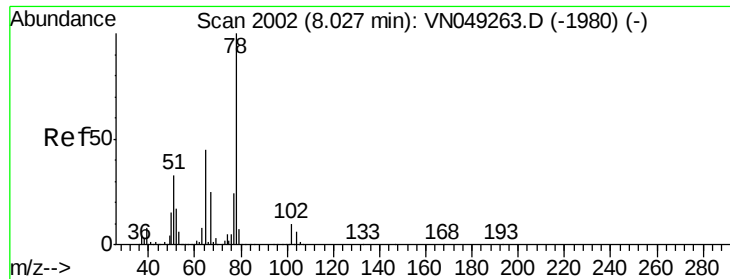
apatel
6/26/2018 5:13:59 PM



#32
1,1,1-Trichloroethane
Concen: 17.43 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.5	75.7
61	43.8	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 44.28 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 65 Resp: 989316

Ion Ratio Lower Upper

65 100

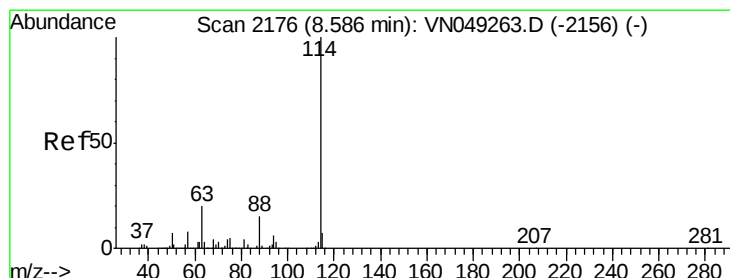
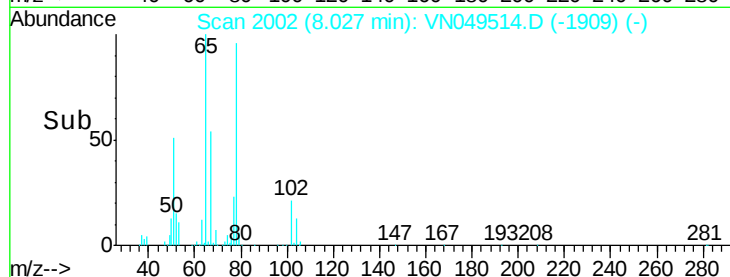
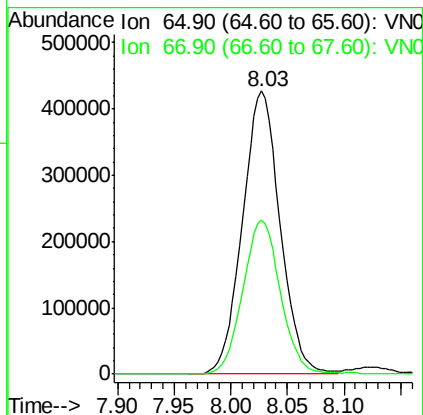
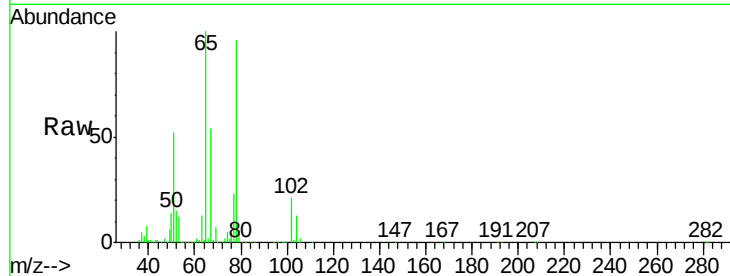
67 54.0 0.0 103.8

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

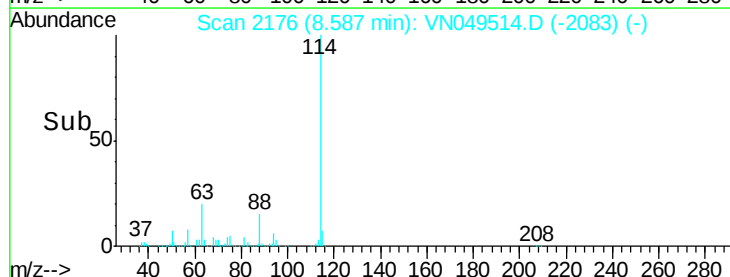
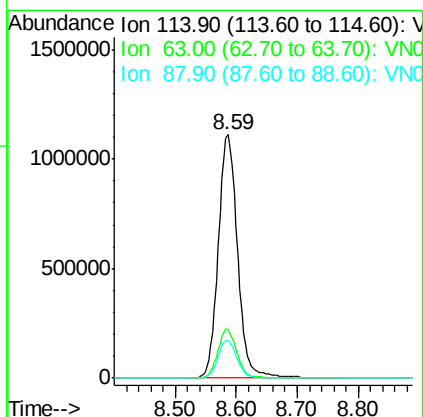
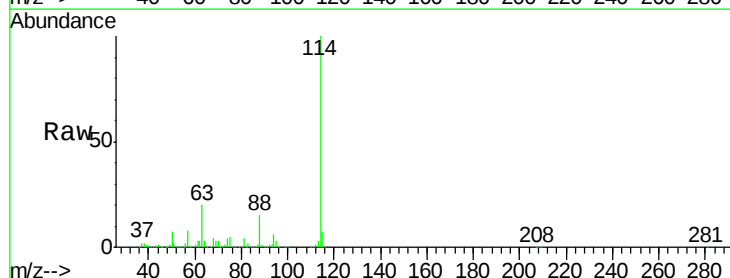
Tgt Ion: 114 Resp: 2428676

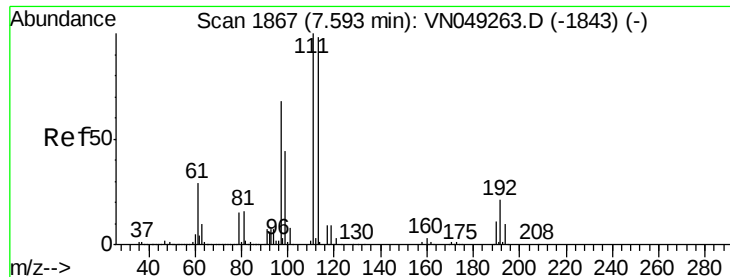
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.4

88 15.5 0.0 31.4





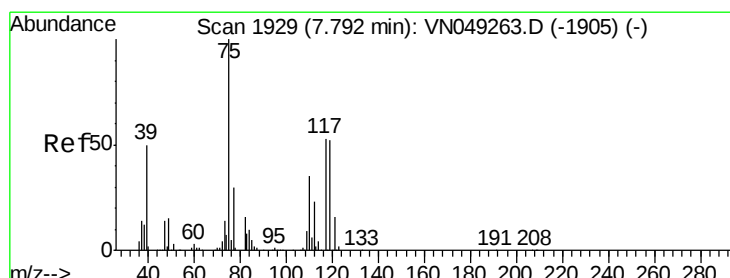
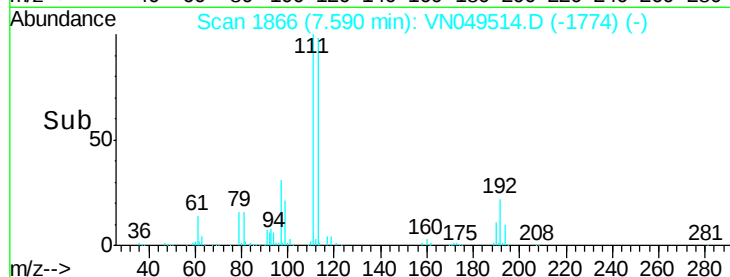
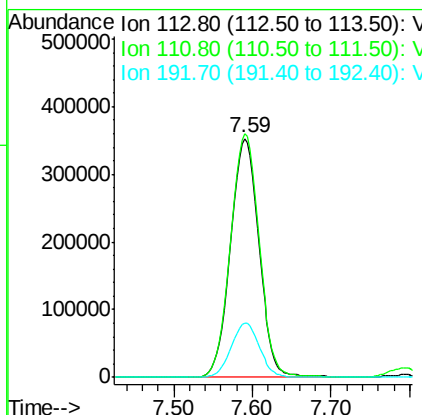
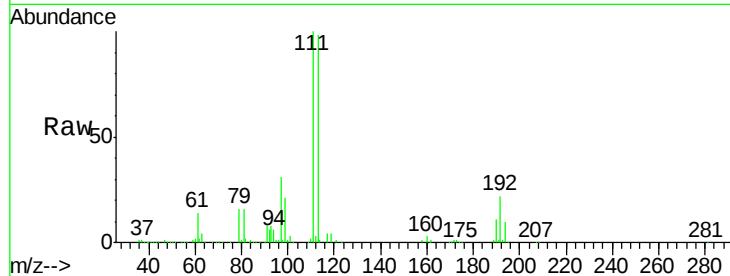
#35
 Dibromofluoromethane
 Concen: 45.42 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	892554		
111	102.9	82.4	123.6	
192	22.6	15.0	22.6#	

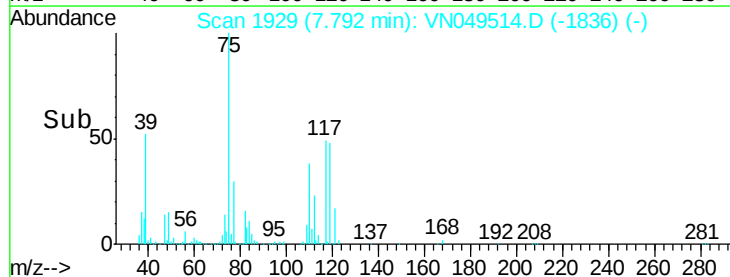
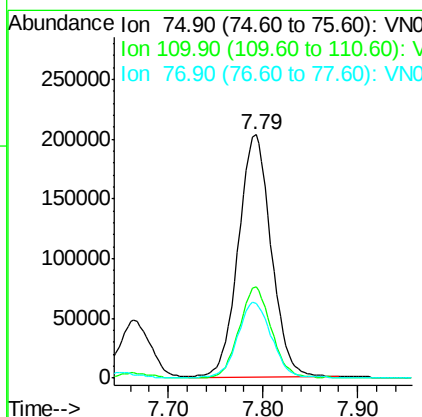
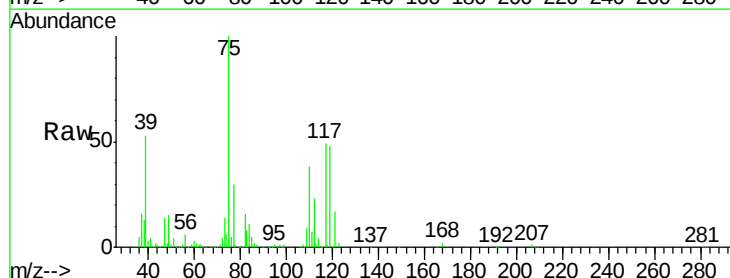
Manual Integrations
 APPROVED

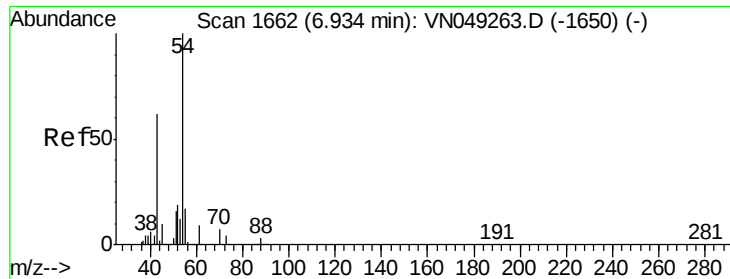
apatel
 6/26/2018 5:13:59 PM



#36
 1,1-Dichloropropene
 Concen: 17.54 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	488280		
110	37.0	17.0	50.9	
77	31.8	24.4	36.6	





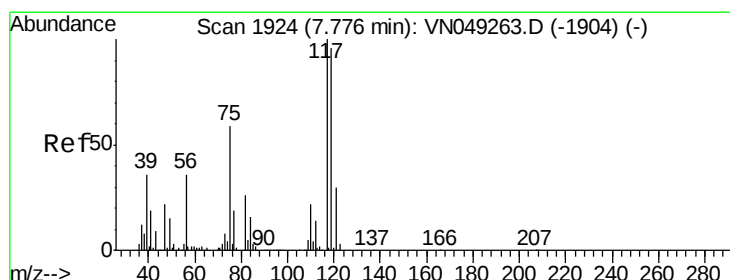
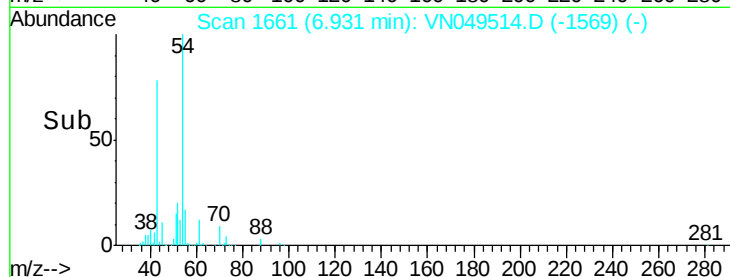
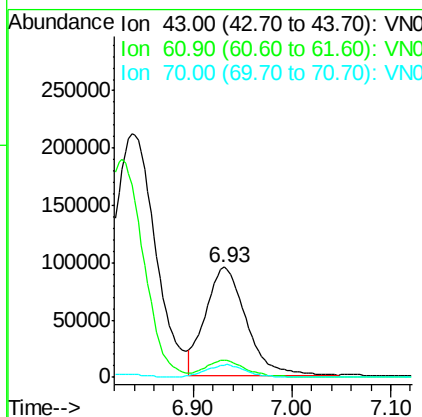
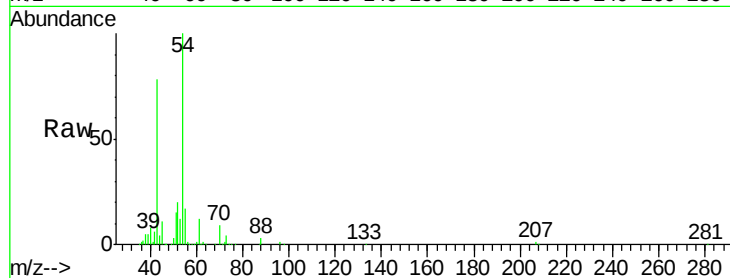
#37
Ethyl Acetate
Concen: 18.07 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	11.3	7.2	10.8

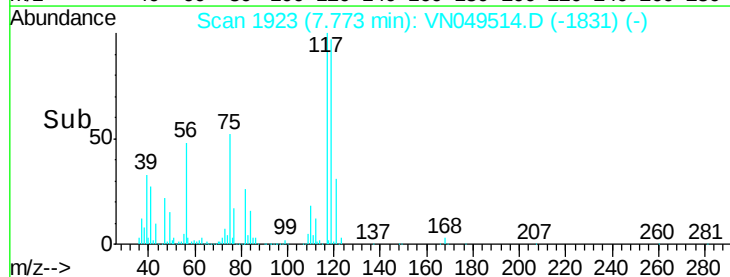
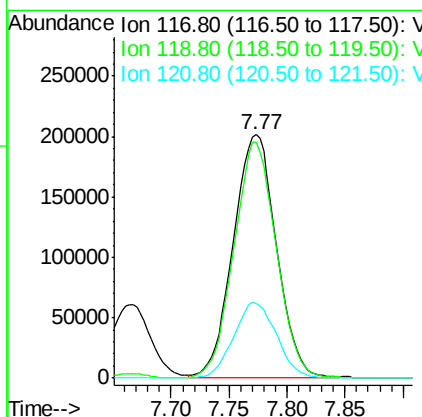
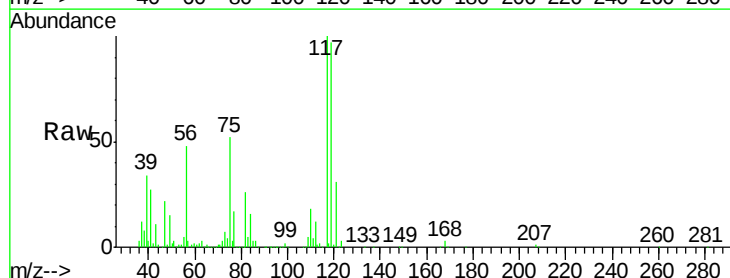
Manual Integrations
APPROVED

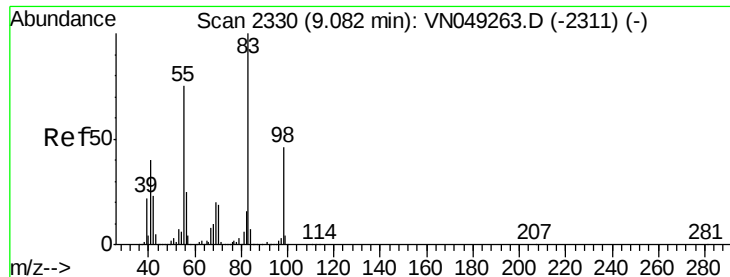
apatel
6/26/2018 5:13:59 PM



#38
Carbon Tetrachloride
Concen: 17.97 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.6	113.4
121	30.9	24.7	37.1





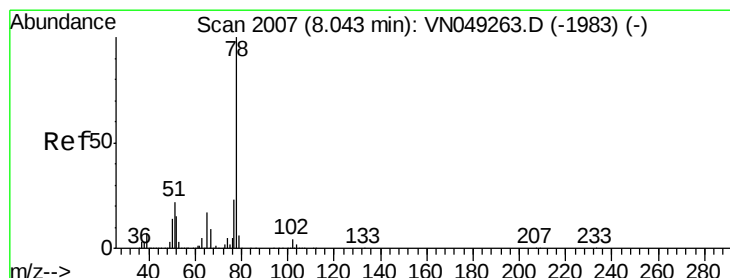
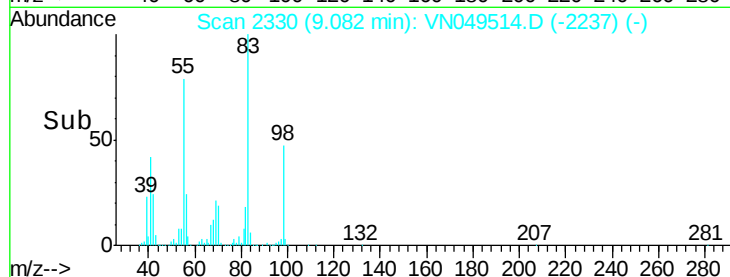
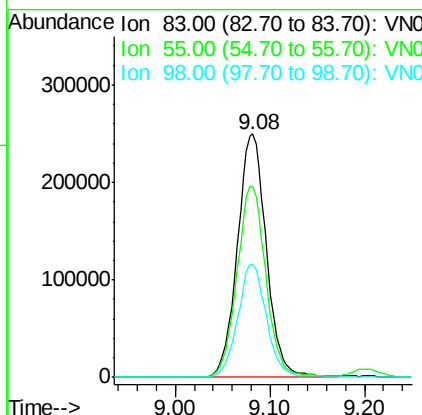
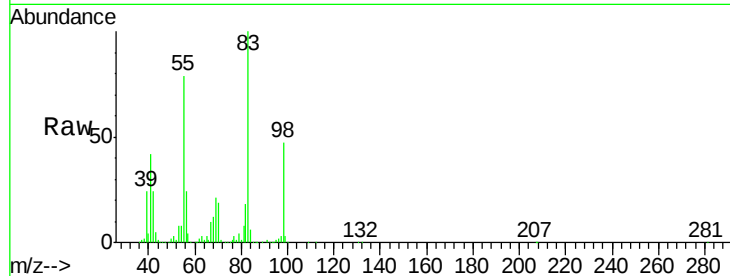
#39
Methvlcvclohexane
Concen: 17.78 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.1	97.7
98	46.6	36.5	54.7

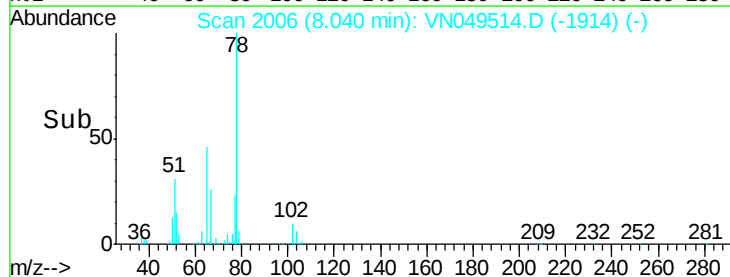
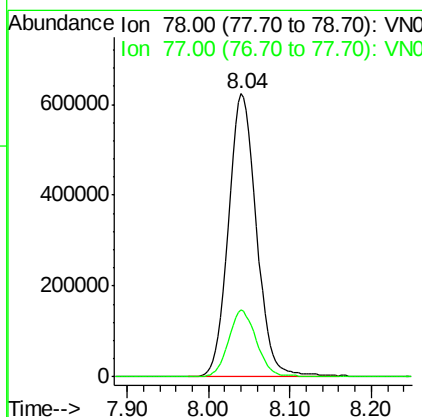
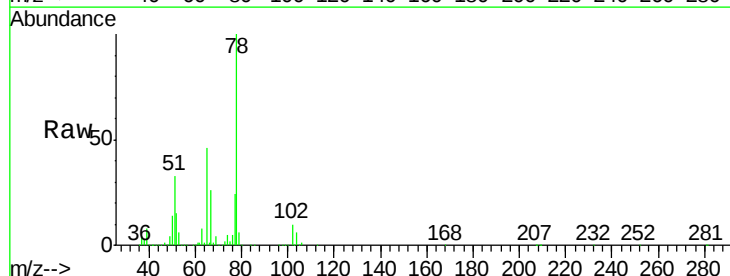
Manual Integrations
APPROVED

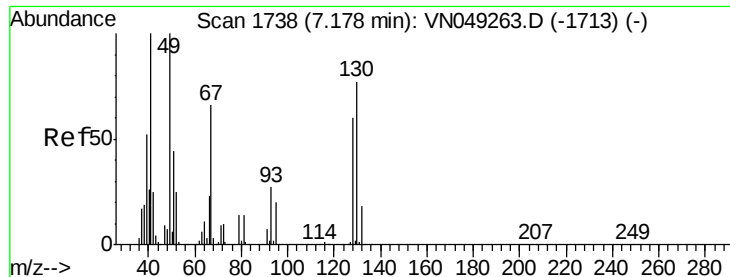
apatel
6/26/2018 5:13:59 PM



#40
Benzene
Concen: 17.68 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





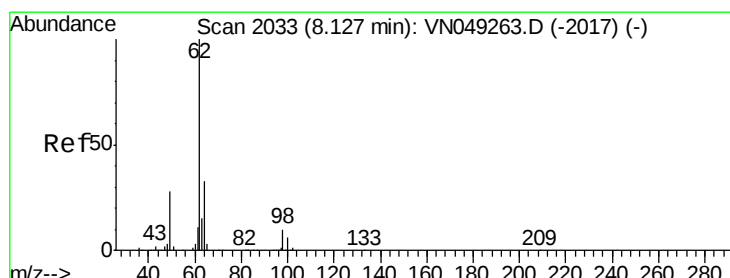
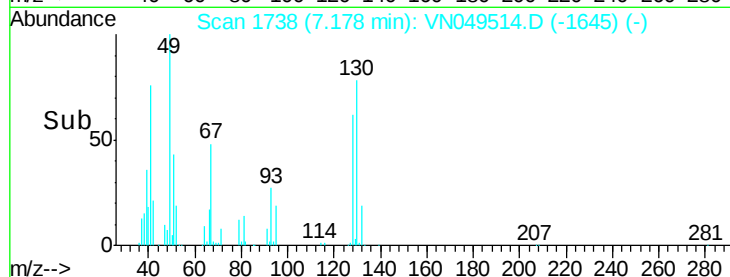
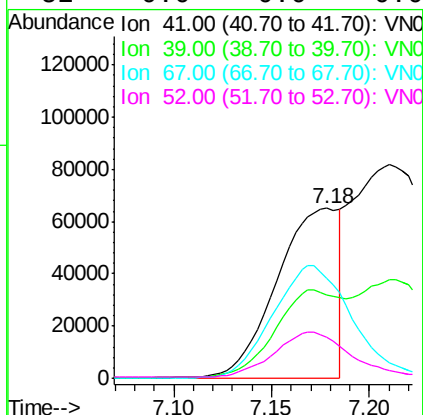
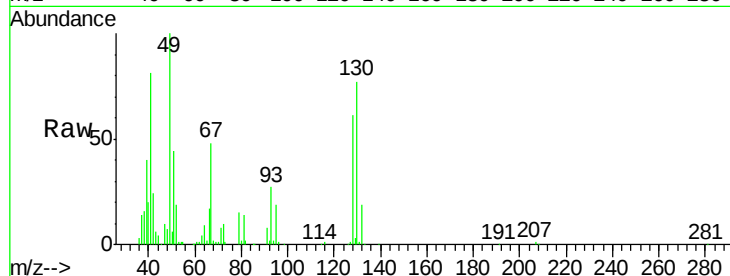
#41
Methacrylonitrile
Concen: 17.67 ug/l m
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	41	Resp	144515
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

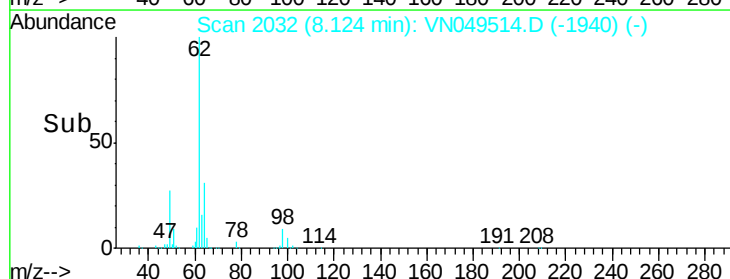
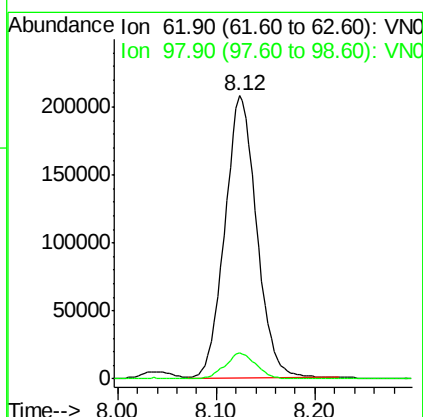
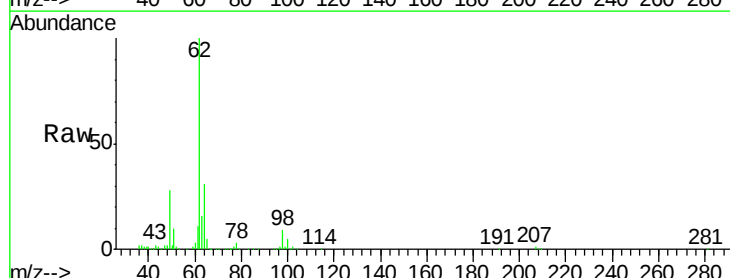
Manual Integrations
APPROVED

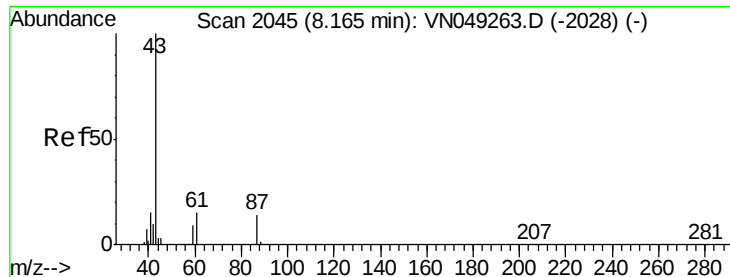
apatel
6/26/2018 5:13:59 PM



#42
1,2-Dichloroethane
Concen: 17.77 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	62	Resp	468601
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 17.02 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

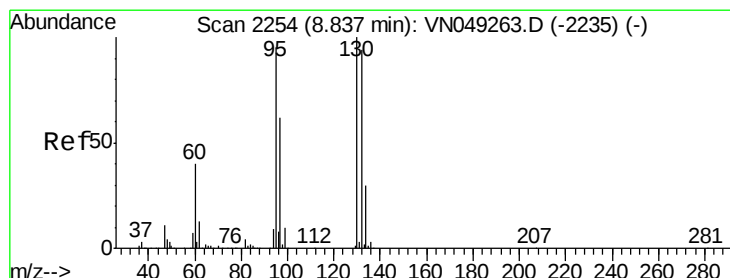
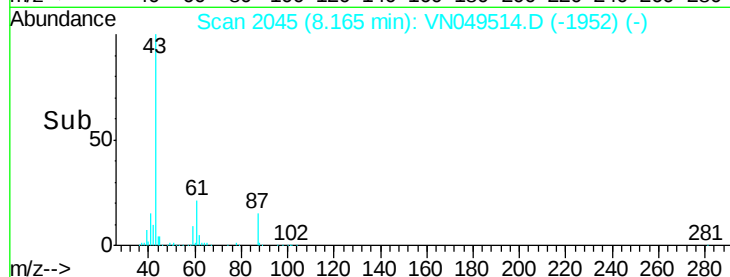
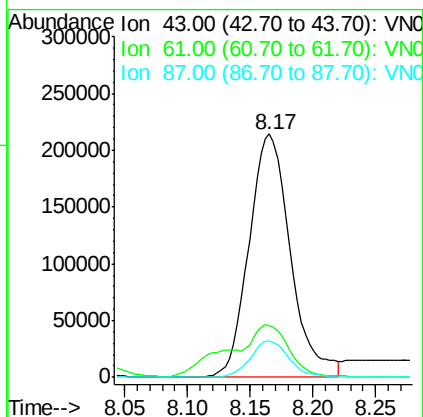
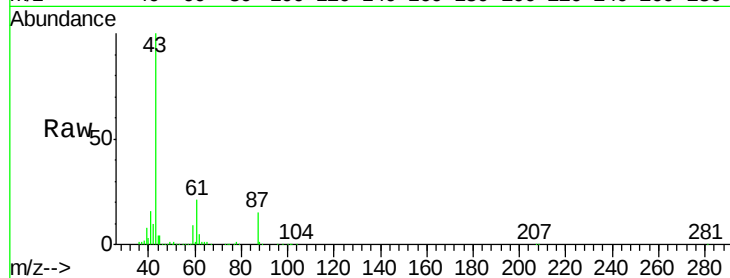
ClientSampleId :

VN0625WBS01

Tot Ion:	43	Resp:	491981
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.2	21.4
87	14.0	9.4	14.0

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#44

Trichloroethene

Concen: 18.44 ug/l

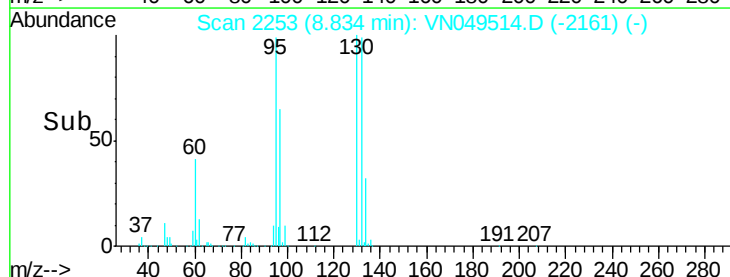
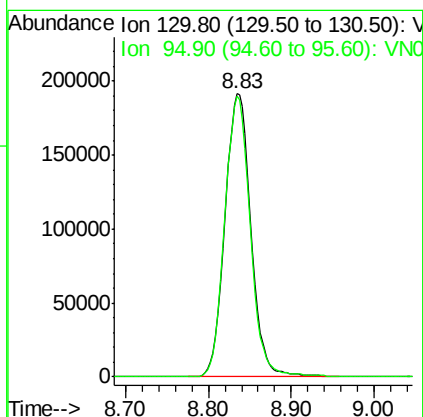
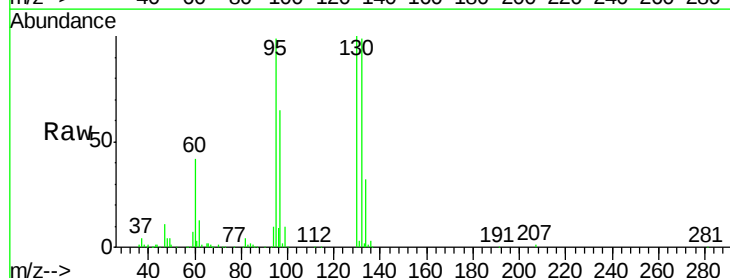
RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	130	Resp:	415540
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	208.6





#45

1,2-Dichloropropane

Concen: 17.86 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 63 Resp: 399040

Ion Ratio Lower Upper

63 100

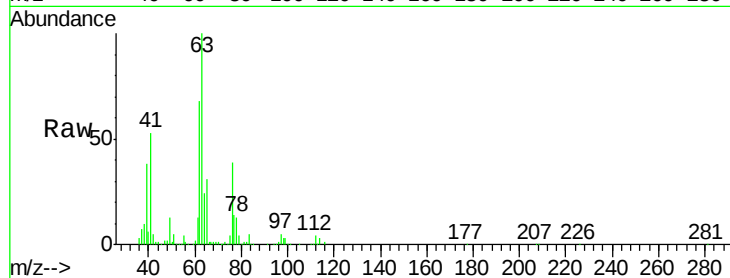
65 30.6 24.8 37.2

Manual Integrations

APPROVED

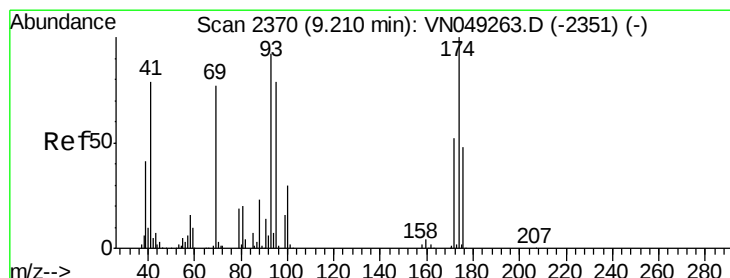
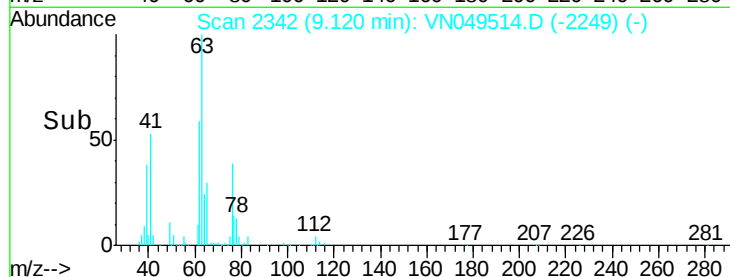
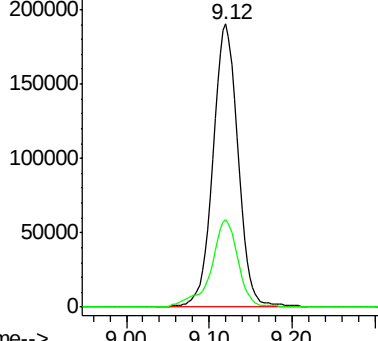
apatel

6/26/2018 5:13:59 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.47 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

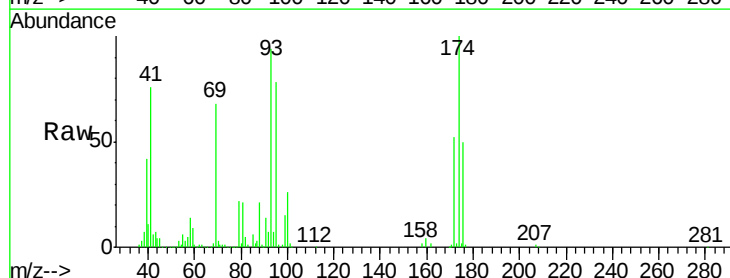
Tgt Ion: 93 Resp: 226290

Ion Ratio Lower Upper

93 100

95 84.4 67.2 100.8

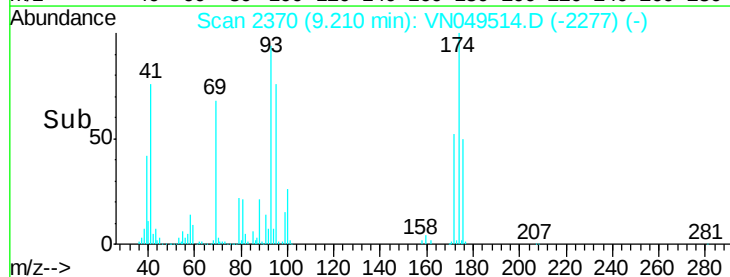
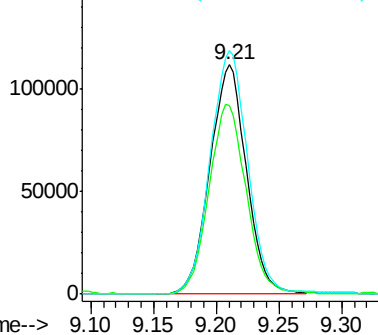
174 108.8 75.6 113.4

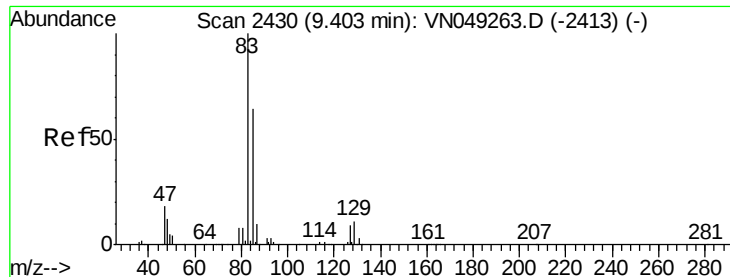


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





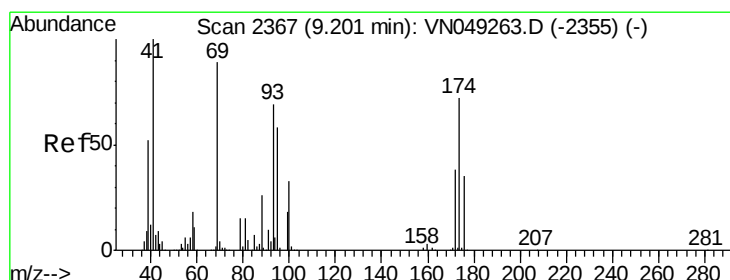
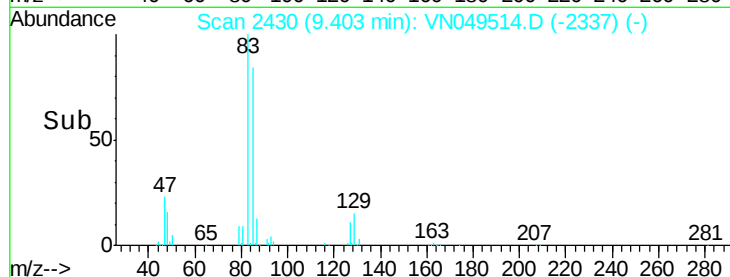
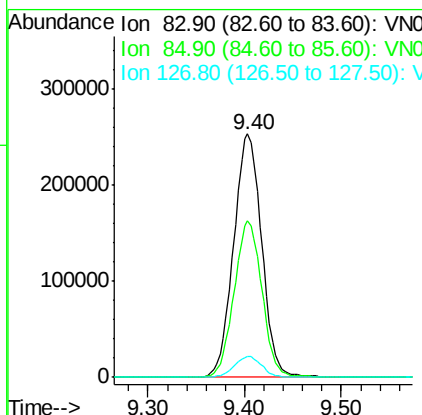
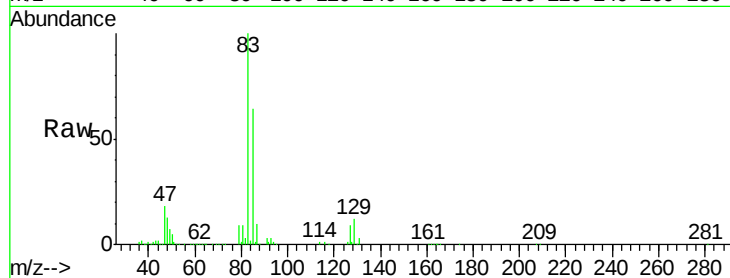
#47
Bromodichloromethane
Concen: 17.98 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.8	6.3	9.5

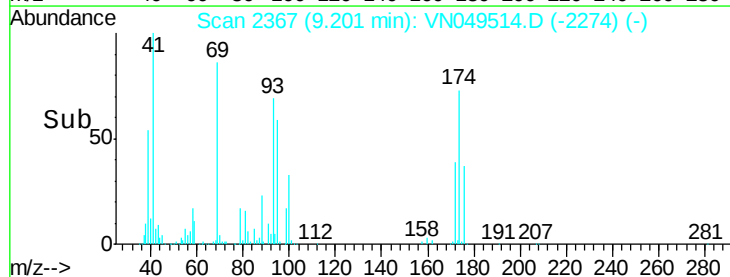
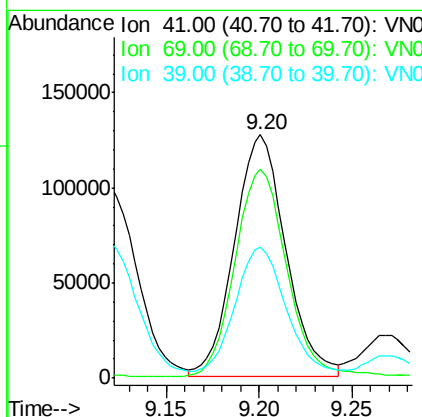
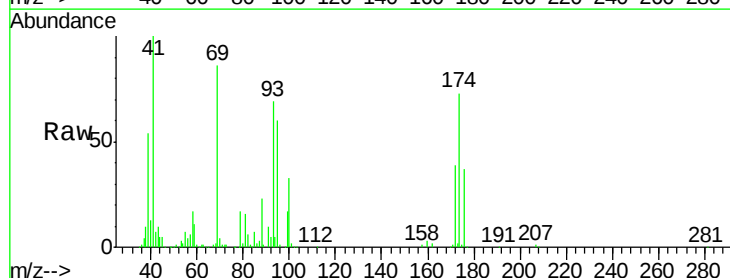
Manual Integrations
APPROVED

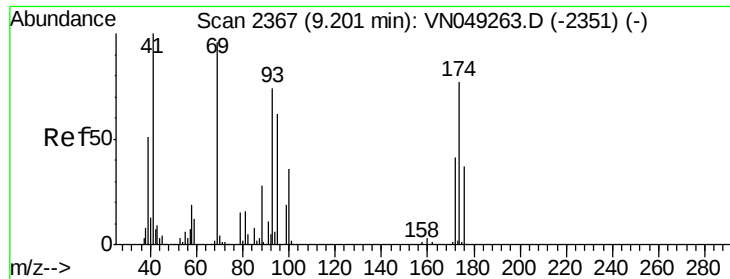
apatel
6/26/2018 5:13:59 PM



#48
Methyl methacrylate
Concen: 17.92 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.2	62.0	93.0
39	54.6	50.6	75.8





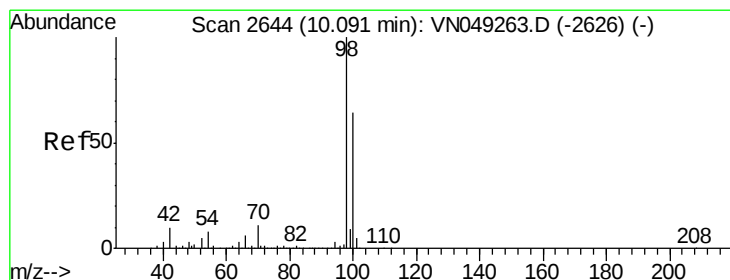
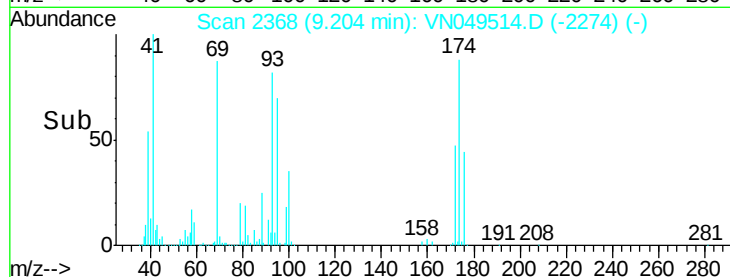
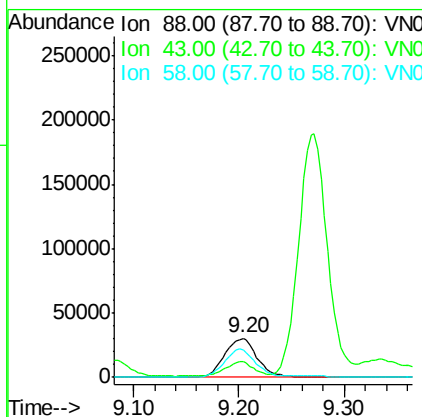
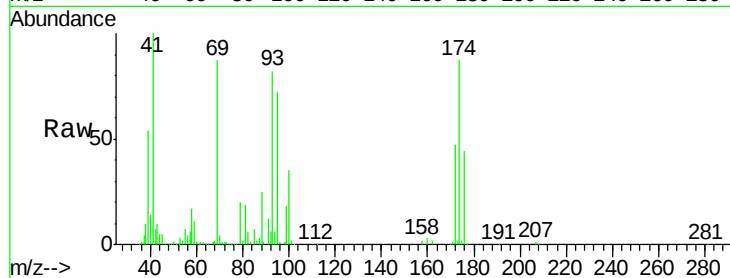
#49
1,4-Dioxane
Concen: 349.61 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	30.9	46.3
58	68.3	58.9	88.3

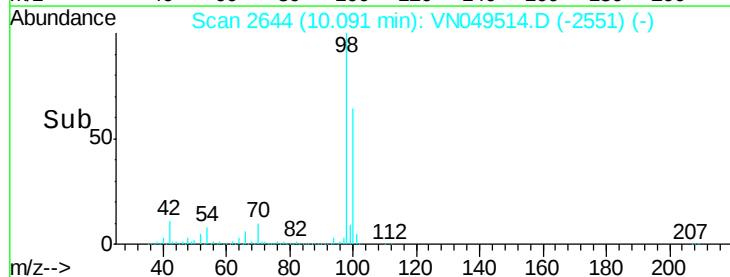
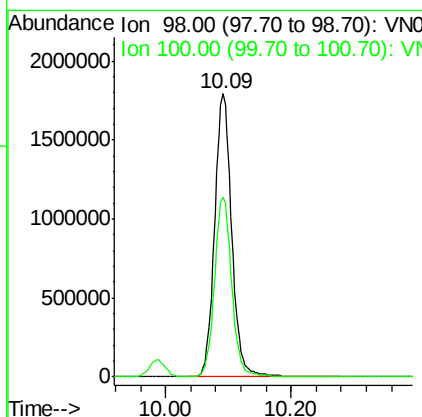
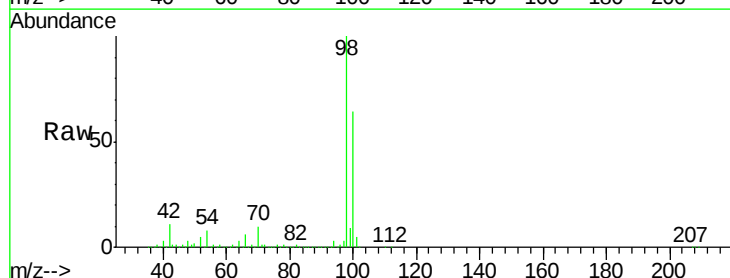
Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#50
Toluene-d8
Concen: 45.23 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	49.8	74.8





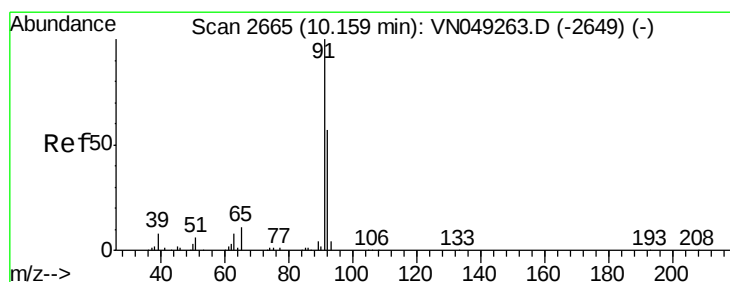
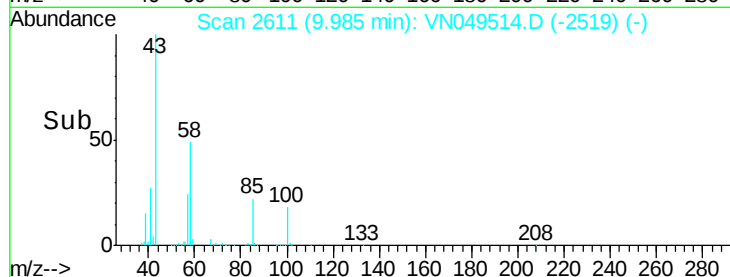
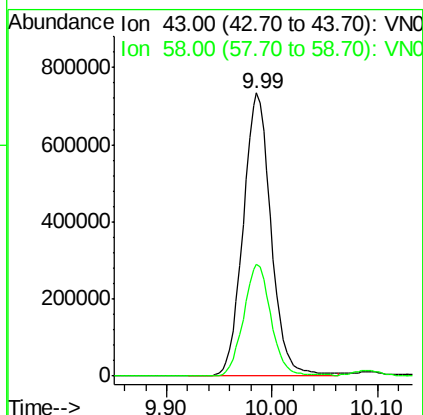
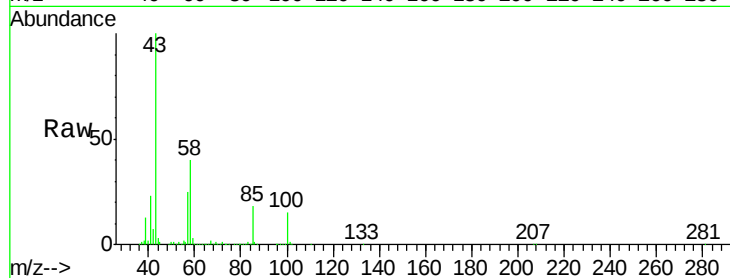
#51
4-Methyl-2-Pentanone
Concen: 88.89 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion: 43 Resp: 1347040
Ion Ratio Lower Upper
43 100
58 39.2 29.0 43.6

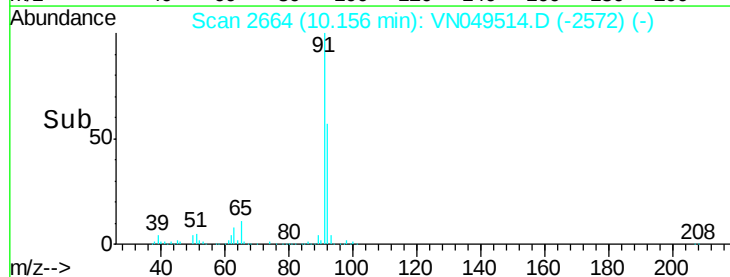
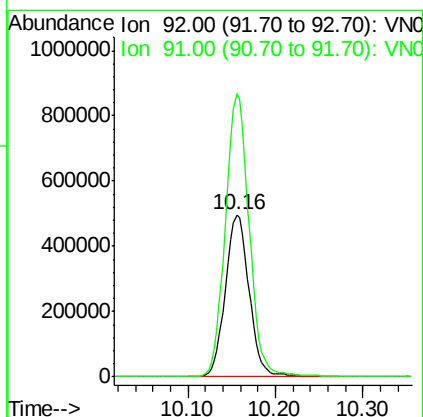
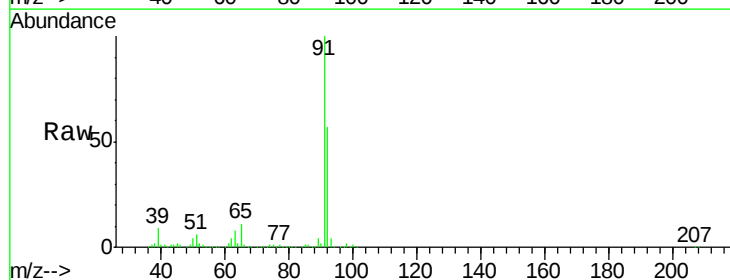
Manual Integrations
APPROVED

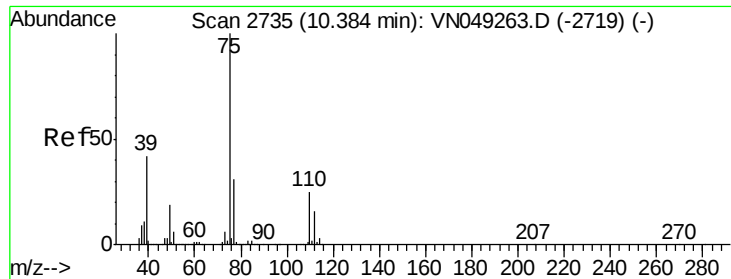
apatel
6/26/2018 5:13:59 PM



#52
Toluene
Concen: 18.77 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion: 92 Resp: 940168
Ion Ratio Lower Upper
92 100
91 174.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.11 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS01

Tot Ion: 75 Resp: 465898

Ion Ratio Lower Upper

75 100

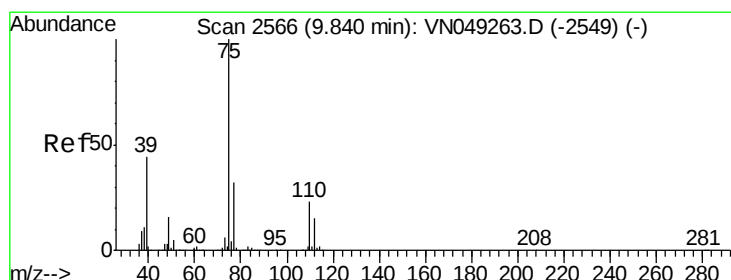
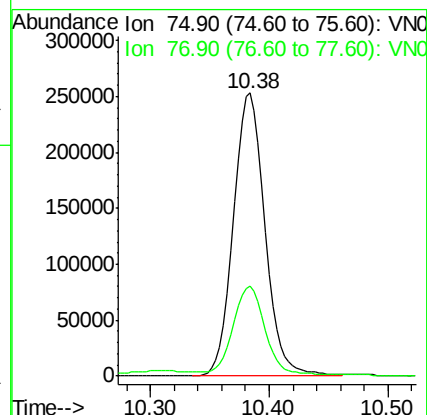
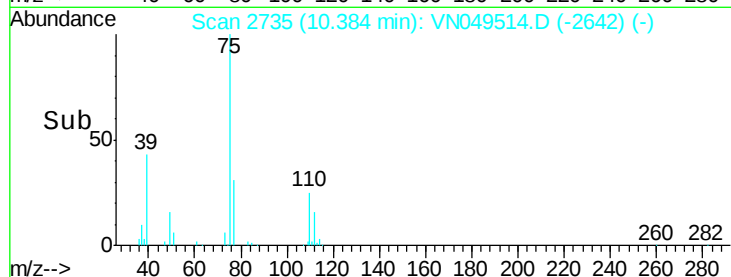
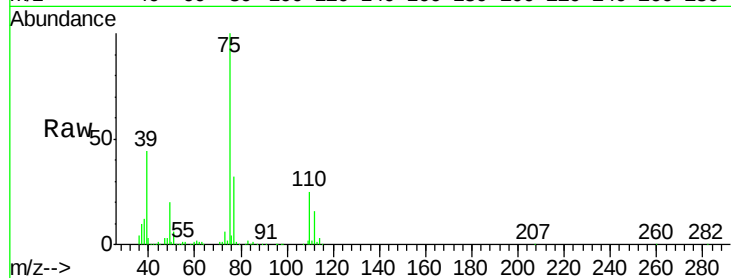
77 31.1 25.2 37.8

Manual Integrations

APPROVED

apatel

6/26/2018 5:13:59 PM



#54

cis-1,3-Dichloropropene

Concen: 17.75 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

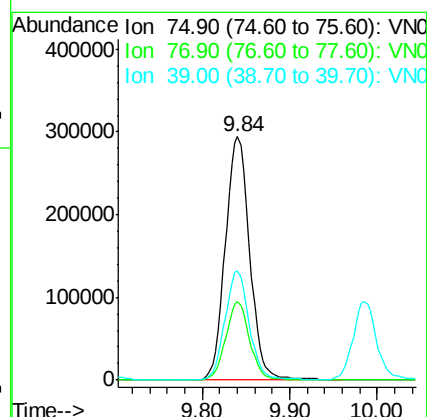
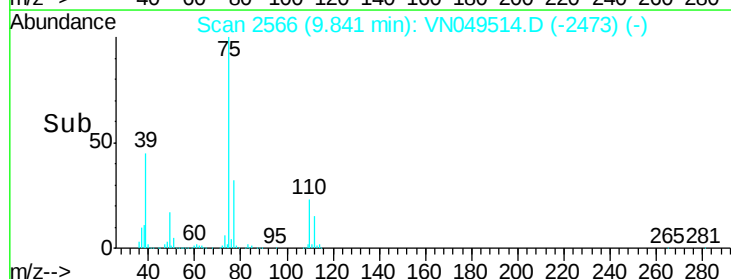
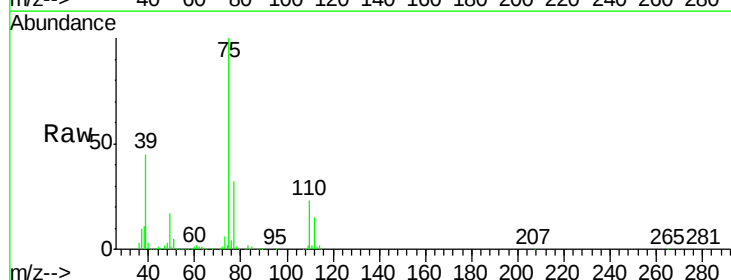
Tgt Ion: 75 Resp: 570749

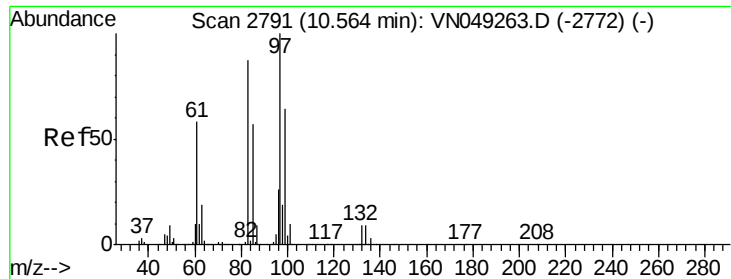
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 44.7 45.1 67.7#





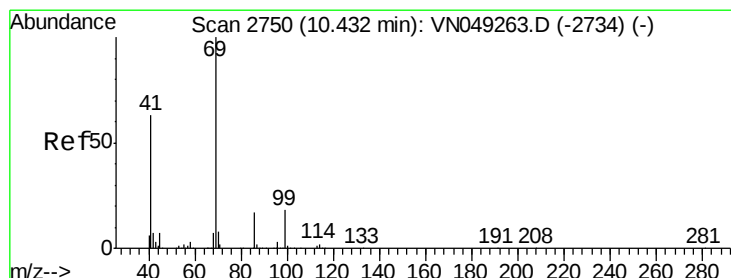
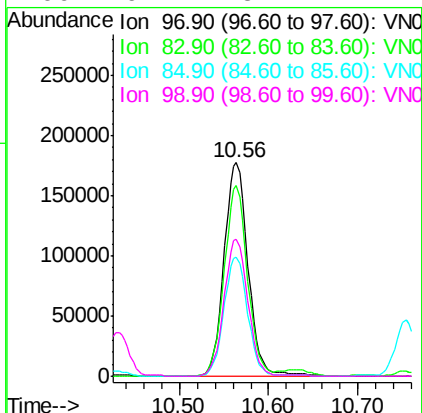
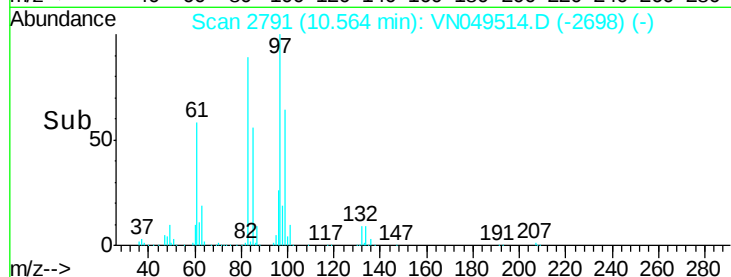
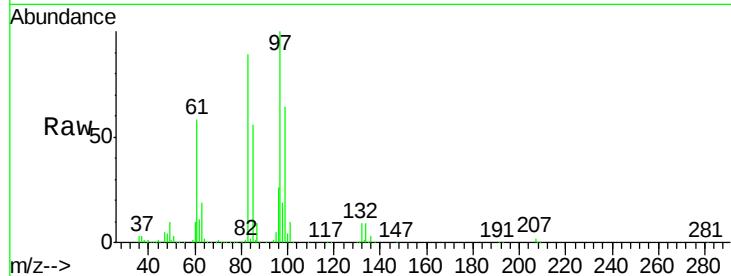
#55
 1,1,2-Trichloroethane
 Concen: 17.74 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		331238		
83	89.2	71.5	107.3		
85	55.5	47.0	70.4		
99	64.4	51.4	77.2		

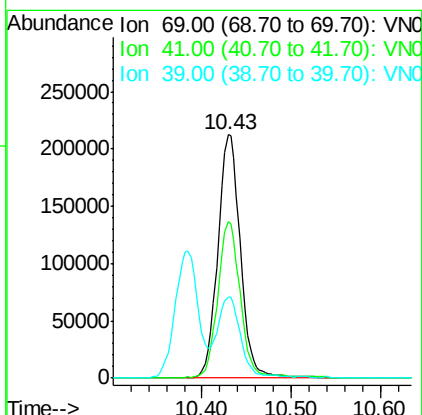
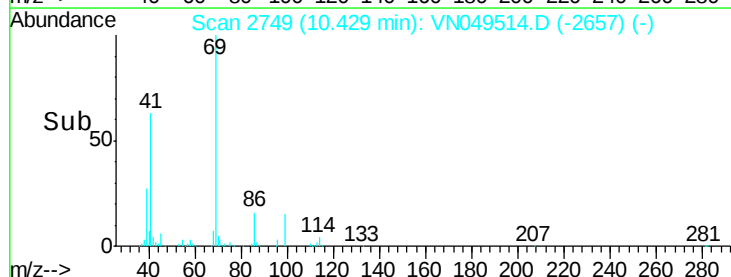
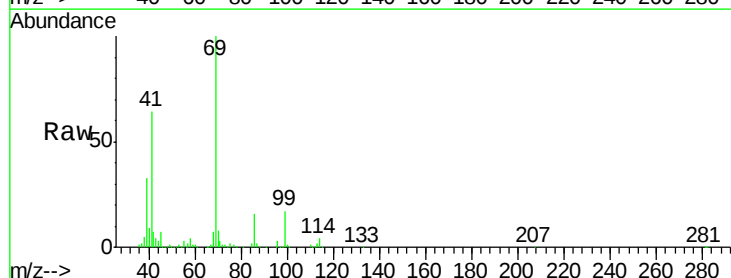
Manual Integrations
 APPROVED

apatel
 6/26/2018 5:13:59 PM



#56
 Ethyl methacrylate
 Concen: 17.27 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		371920		
41	64.6	58.4	87.6		
39	33.0	35.5	53.3#		





#57

1,3-Dichloropropane

Concen: 17.89 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 76 Resp: 553466

Ion Ratio Lower Upper

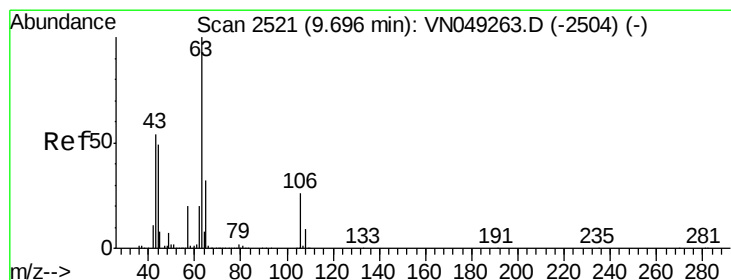
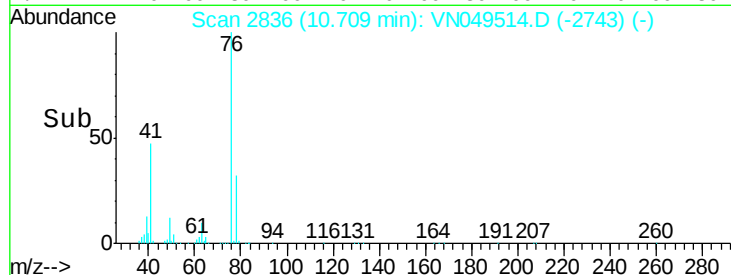
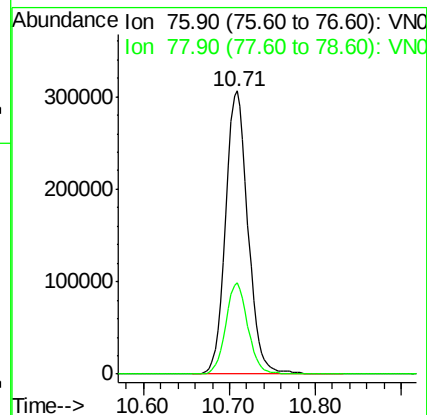
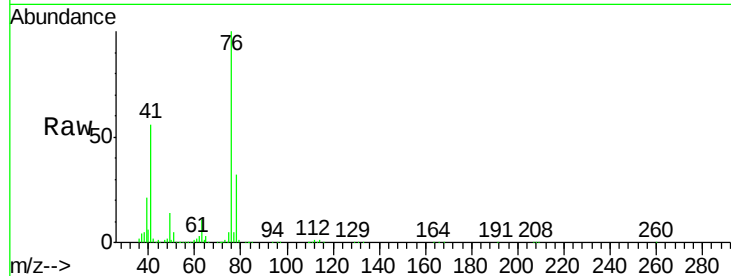
76 100

78 31.8 26.3 39.5

Manual Integrations
APPROVED

apatel

6/26/2018 5:13:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 71.05 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049514.D

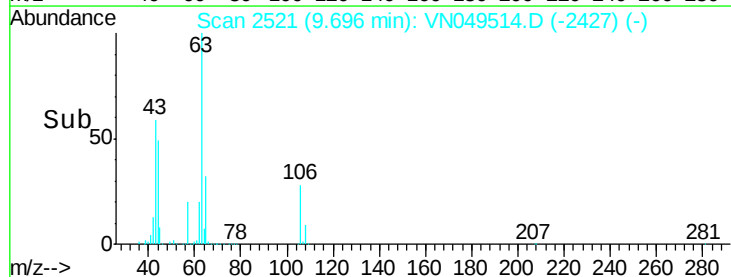
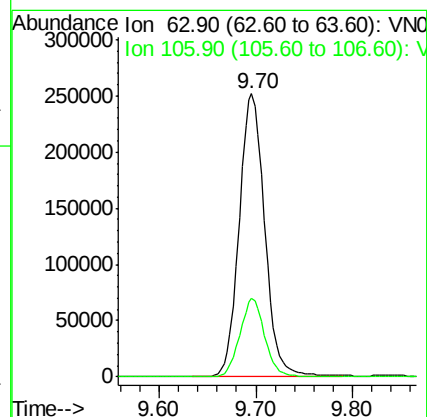
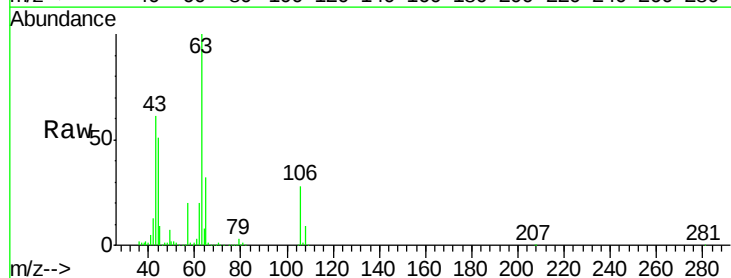
Acq: 25 Jun 2018 15:22

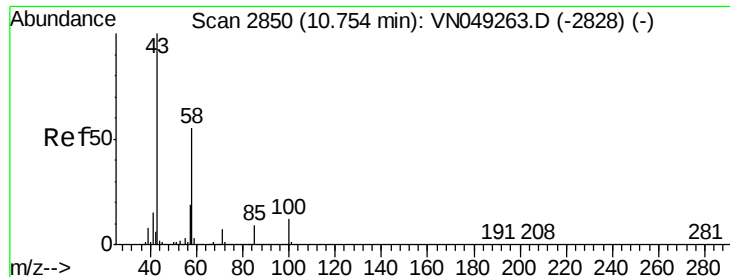
Tgt Ion: 63 Resp: 463379

Ion Ratio Lower Upper

63 100

106 26.9 19.4 29.2





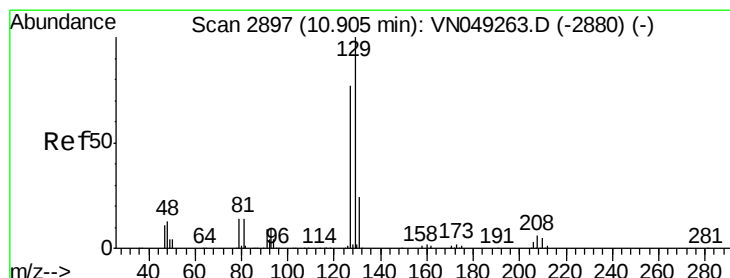
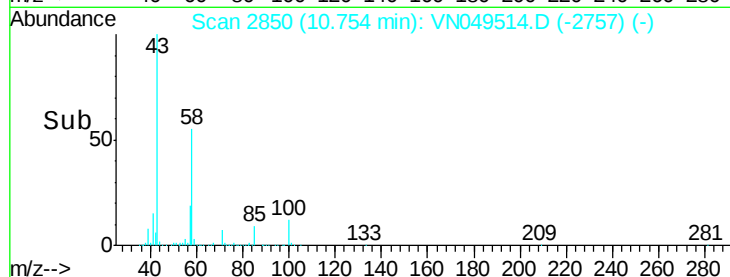
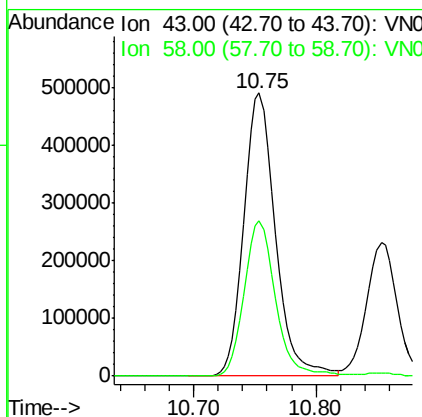
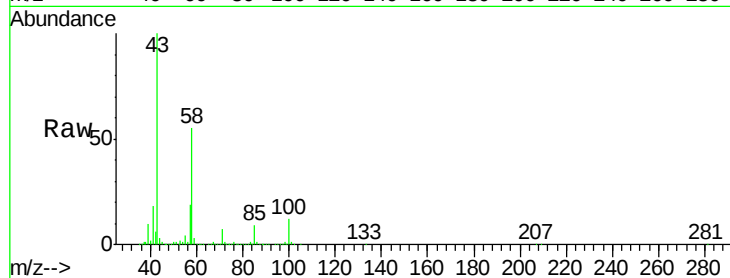
#59
2-Hexanone
Concen: 89.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion: 43 Resp: 869647
Ion Ratio Lower Upper
43 100
58 54.4 25.2 75.6

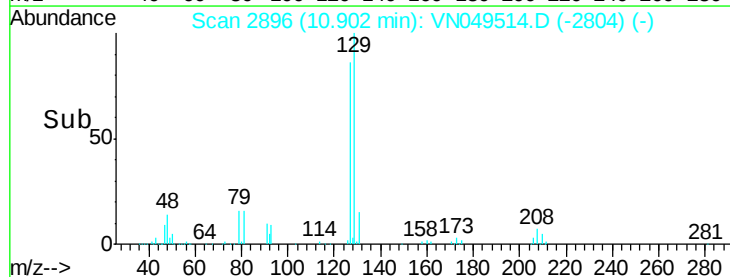
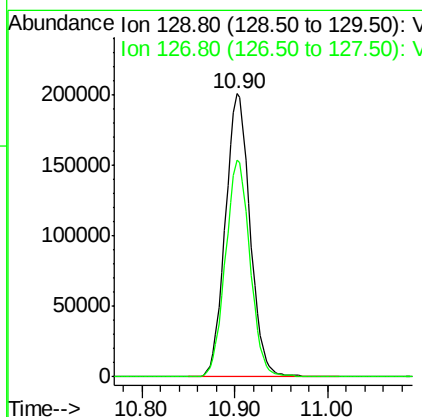
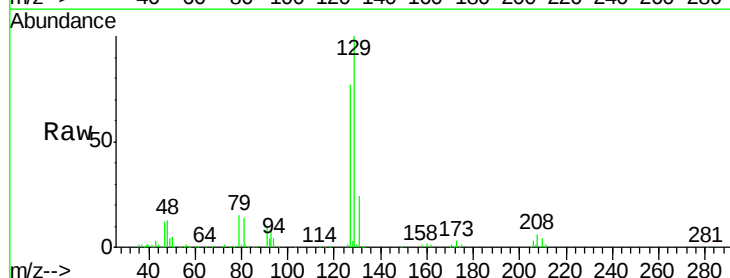
Manual Integrations
APPROVED

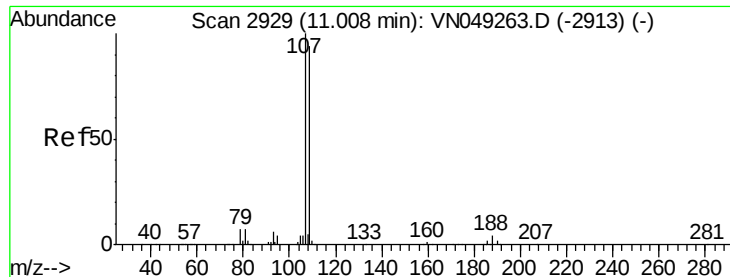
apatel
6/26/2018 5:13:59 PM



#60
Dibromochloromethane
Concen: 17.80 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion: 129 Resp: 370891
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





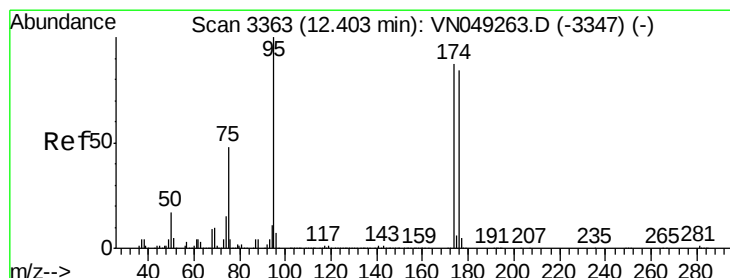
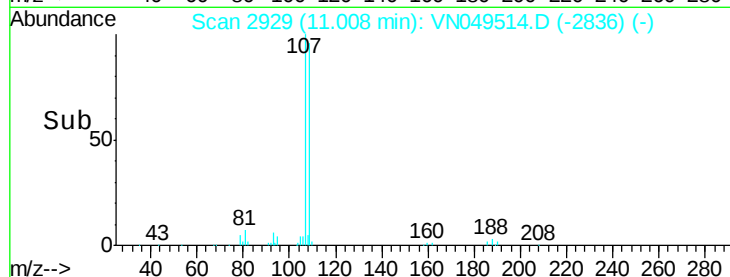
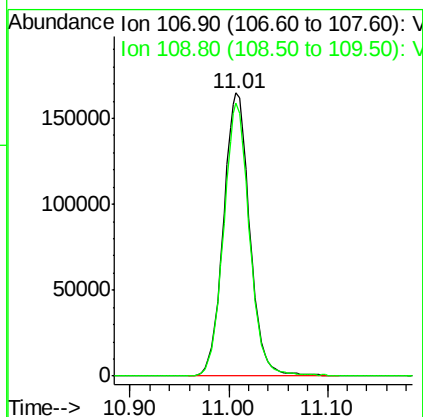
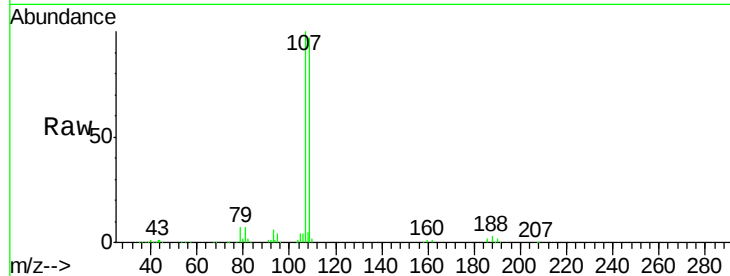
#61
 1,2-Dibromoethane
 Concen: 17.68 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

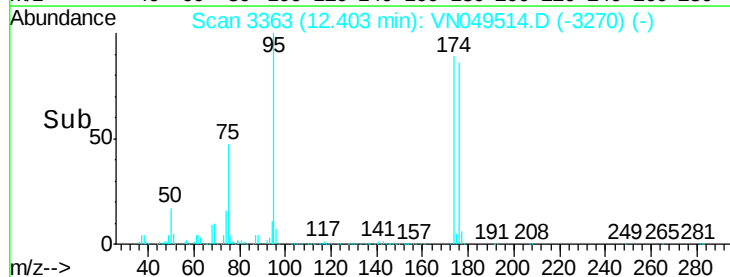
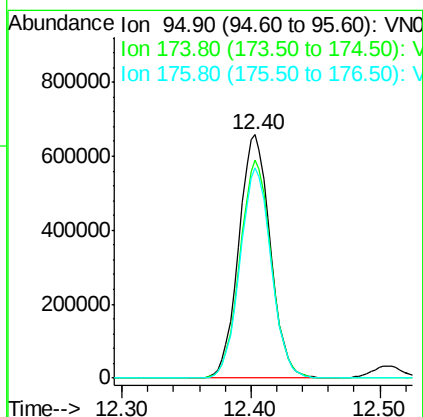
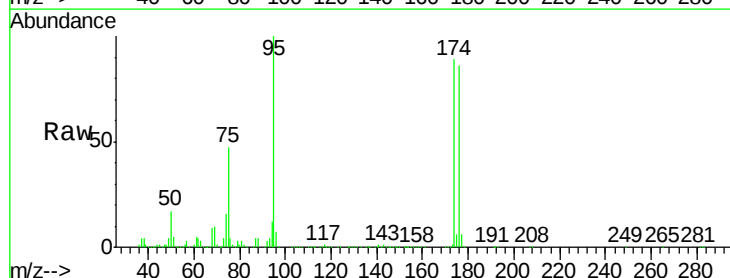
Manual Integrations
 APPROVED

apatel
 6/26/2018 5:13:59 PM



#62
 4-Bromofluorobenzene
 Concen: 45.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	165.6
176	85.6	0.0	157.4





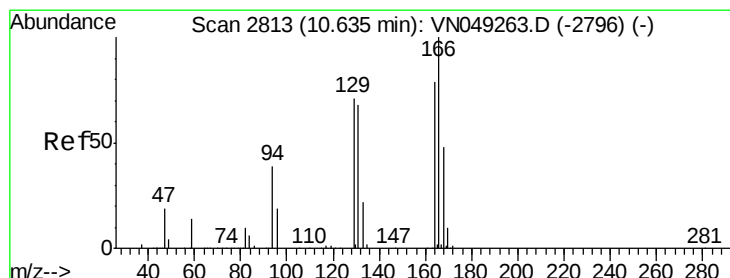
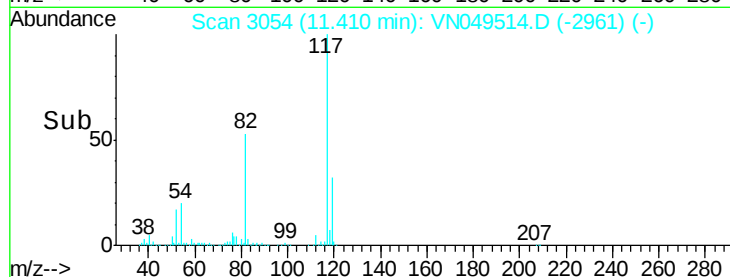
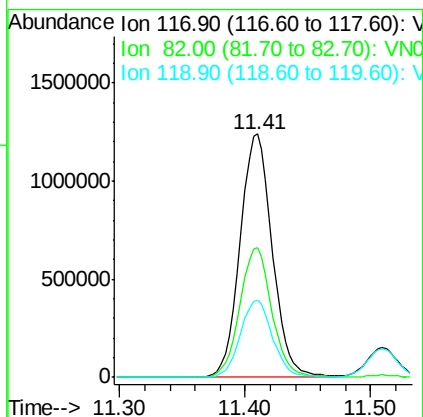
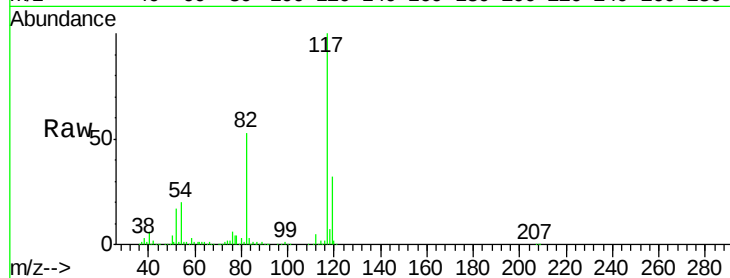
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.9	68.9
119	31.8	25.5	38.3

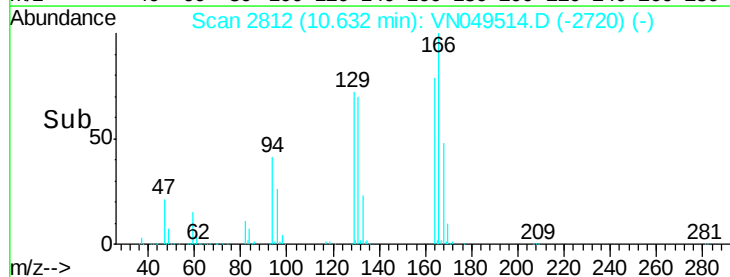
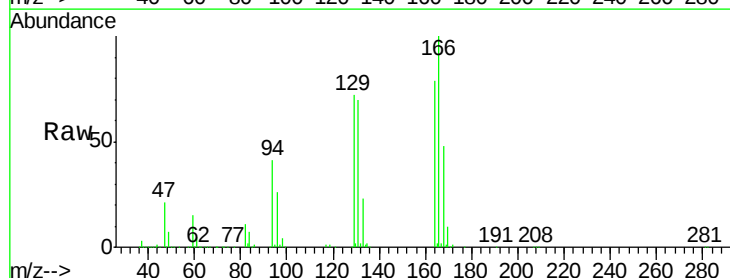
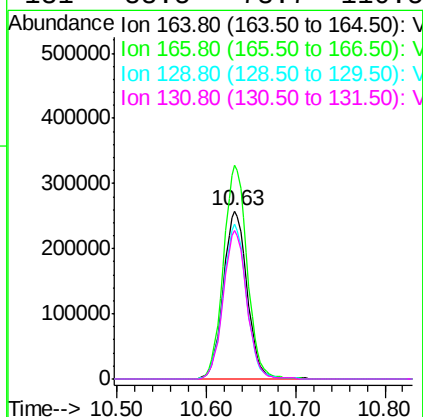
Manual Integrations
APPROVED

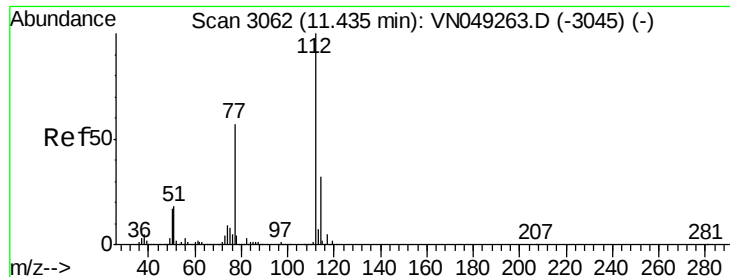
apatel
6/26/2018 5:13:59 PM



#64
Tetrachloroethene
Concen: 20.96 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.2
129	92.1	74.1	111.1
131	88.5	73.7	110.5





#65

Chlorobenzene

Concen: 17.65 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion:112 Resp: 1006713

Ion Ratio Lower Upper

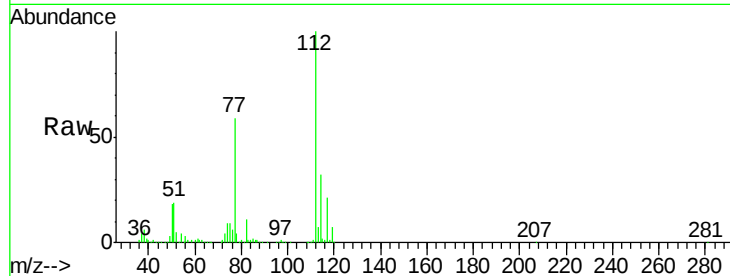
112 100

114 32.3 26.2 39.4

Manual Integrations
APPROVED

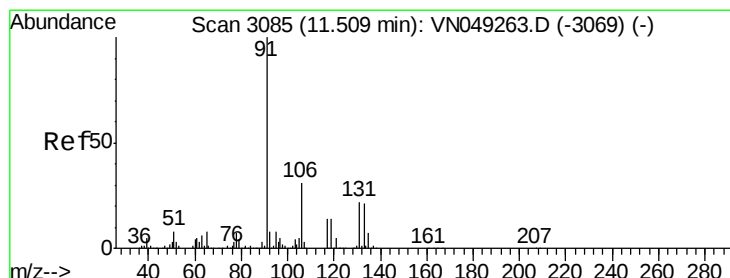
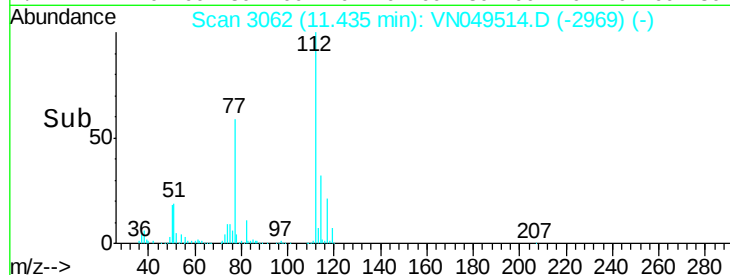
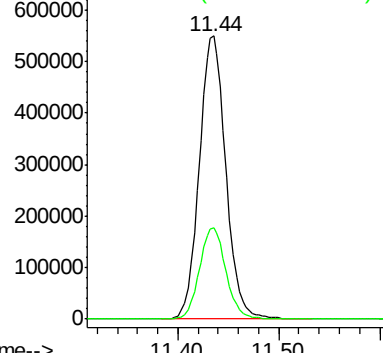
apatel

6/26/2018 5:13:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.77 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

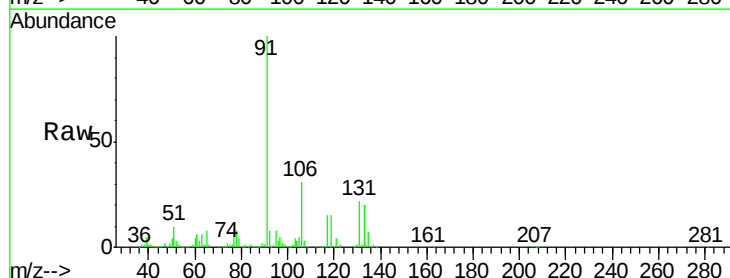
Tgt Ion:131 Resp: 381368

Ion Ratio Lower Upper

131 100

133 93.9 48.0 144.2

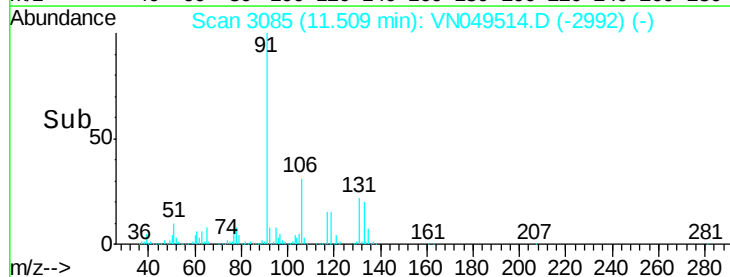
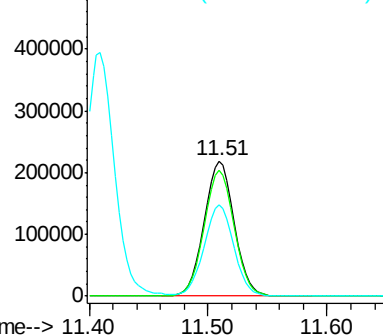
119 67.2 33.6 100.8

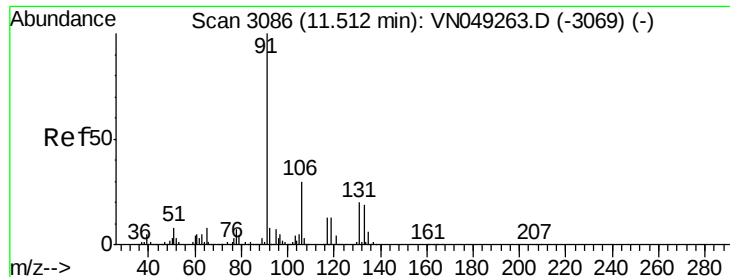


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.10 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS01

Tot Ion: 91 Resp: 1712374

Ion Ratio Lower Upper

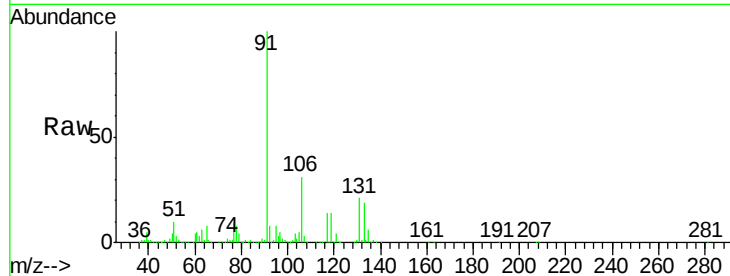
91 100

106 31.2 23.9 35.9

Manual Integrations
APPROVED

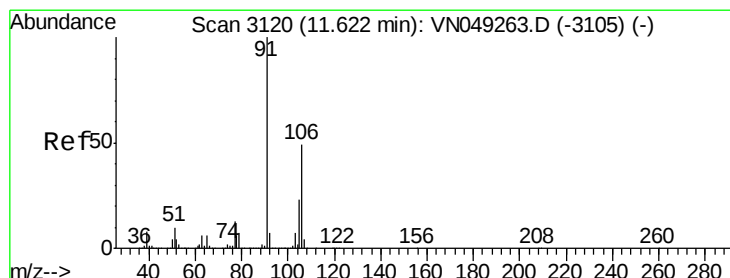
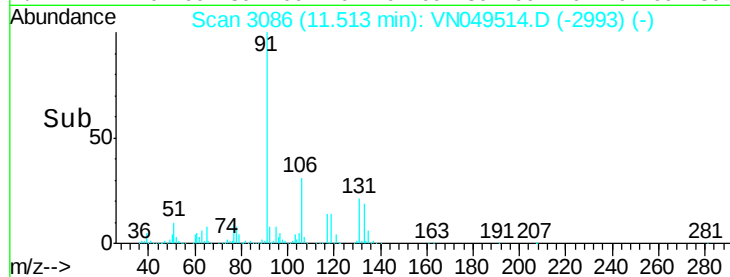
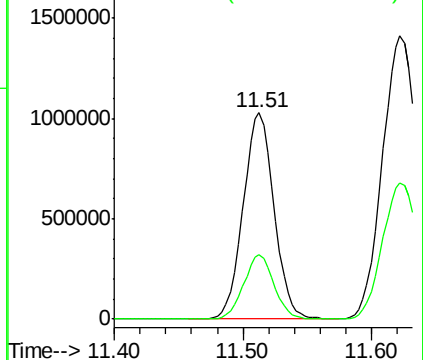
apatel

6/26/2018 5:13:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.21 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049514.D

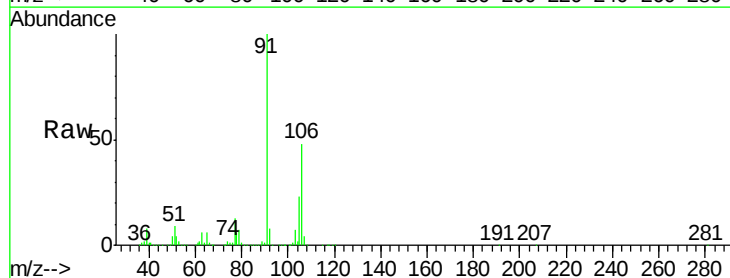
Acq: 25 Jun 2018 15:22

Tgt Ion: 106 Resp: 1320852

Ion Ratio Lower Upper

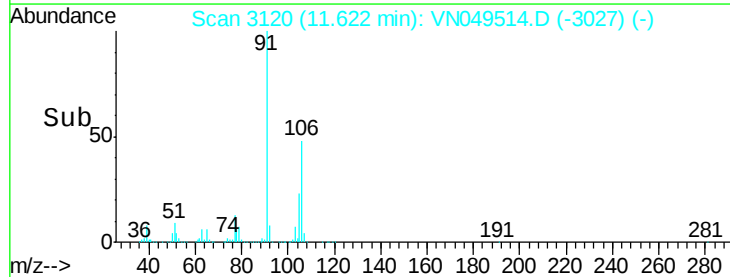
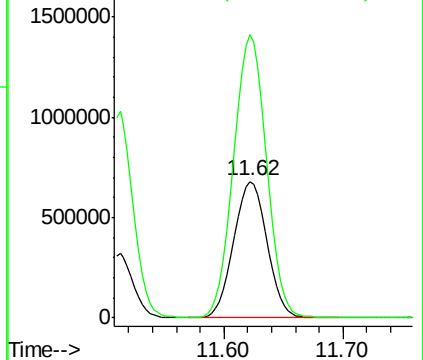
106 100

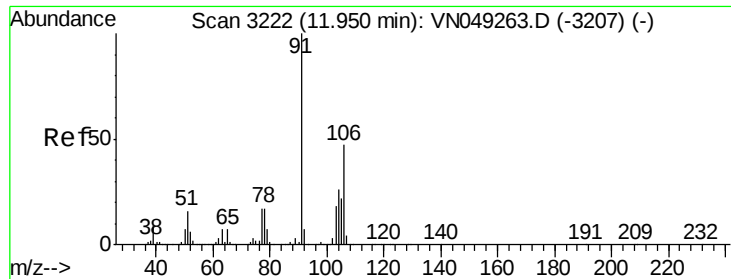
91 205.2 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





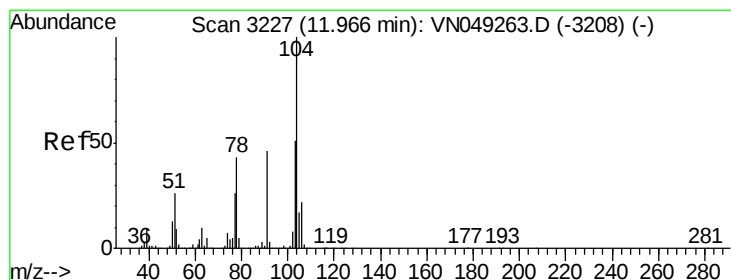
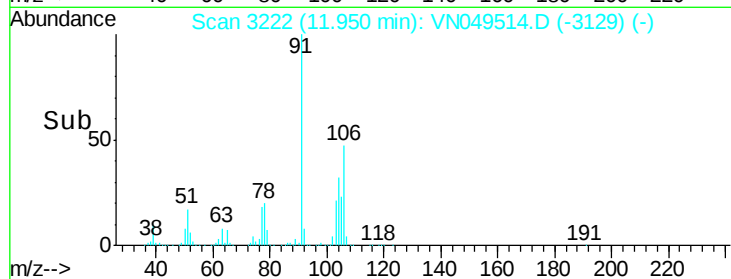
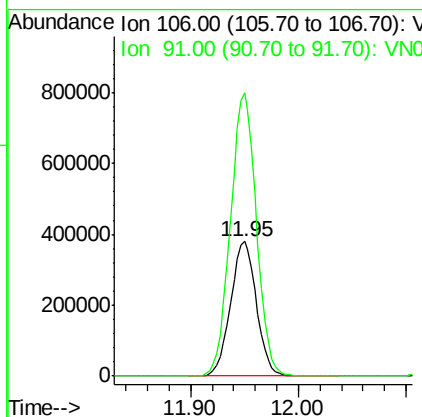
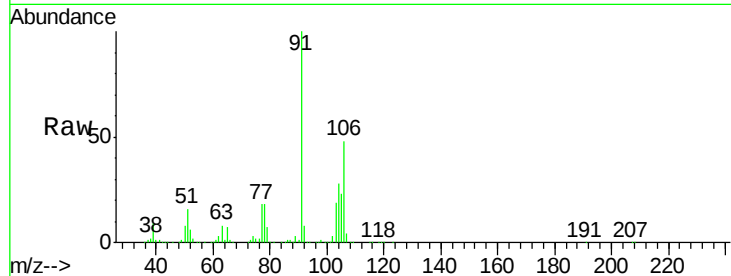
#69
o-Xylene
Concen: 18.55 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	111.0	333.0	

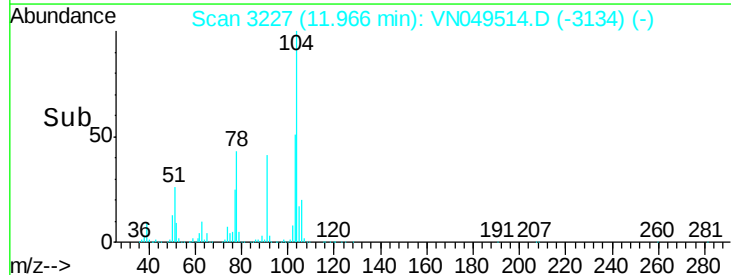
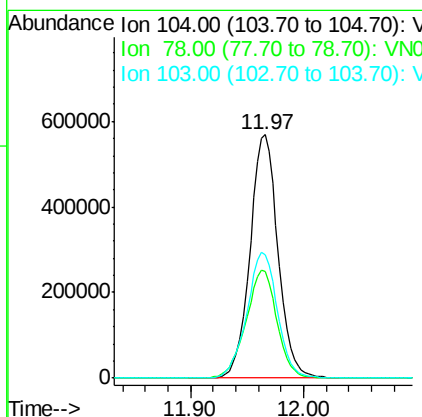
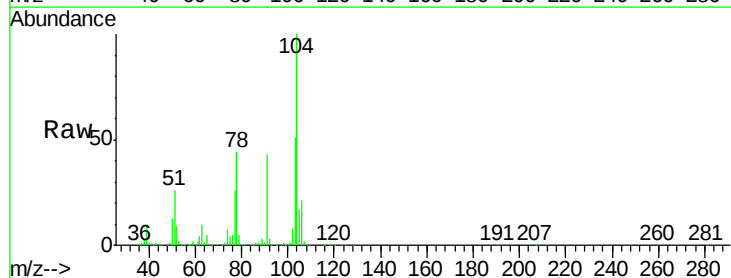
Manual Integrations
APPROVED

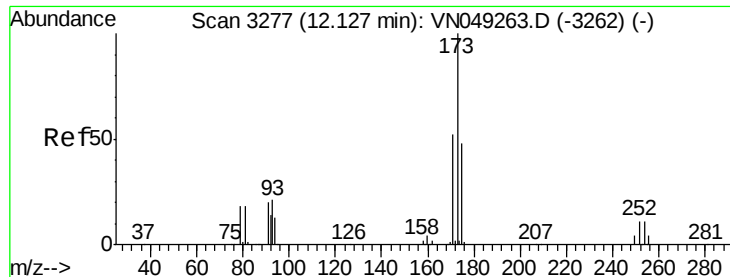
apatel
6/26/2018 5:13:59 PM



#70
Styrene
Concen: 18.10 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	41.6	62.4	
103	56.7	45.4	68.2	





#71

Bromoform

Concen: 17.59 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

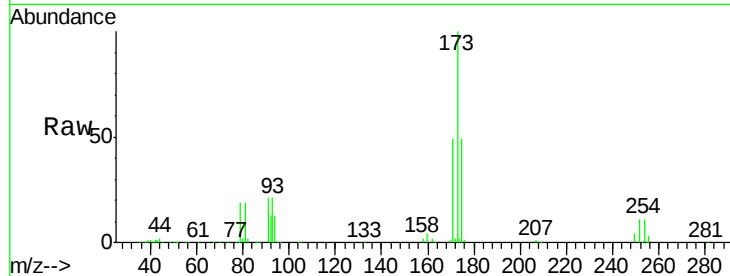
ClientSampleId :

VN0625WBS01

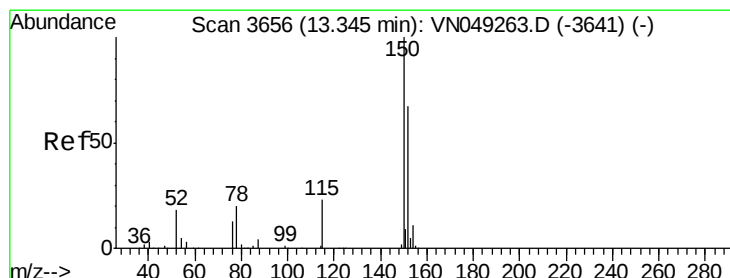
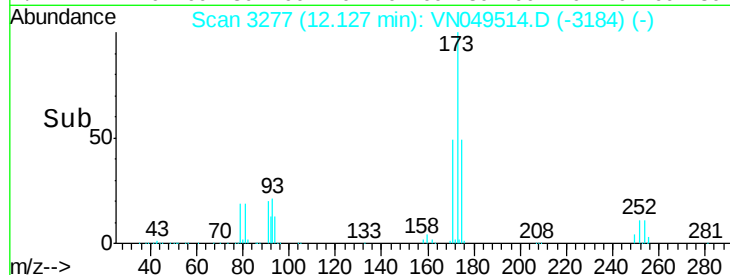
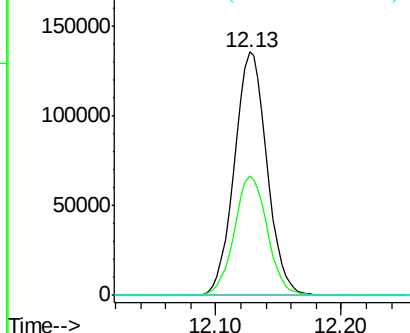
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 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

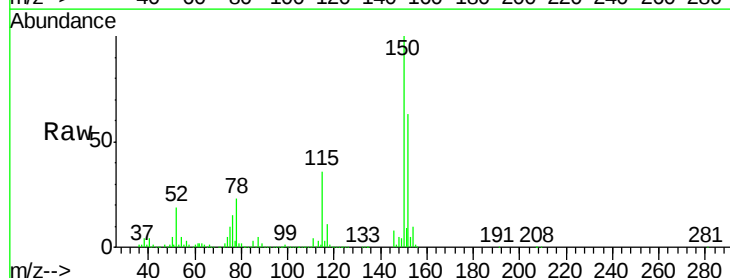
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

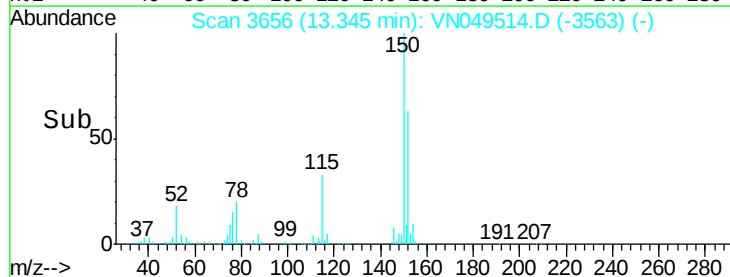
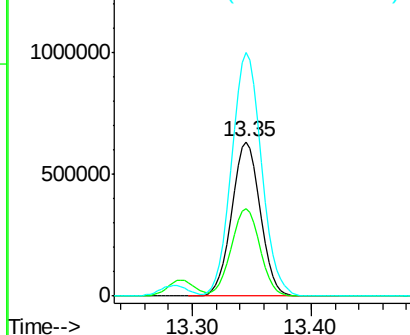
Lab File: VN049514.D

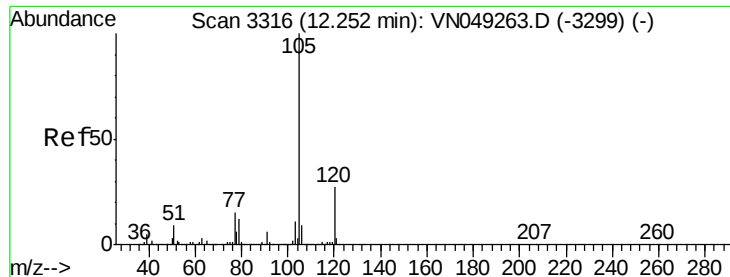
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.7	86.1
150	165.2	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: 18.31 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion:105 Resp: 1696585

Ion Ratio Lower Upper

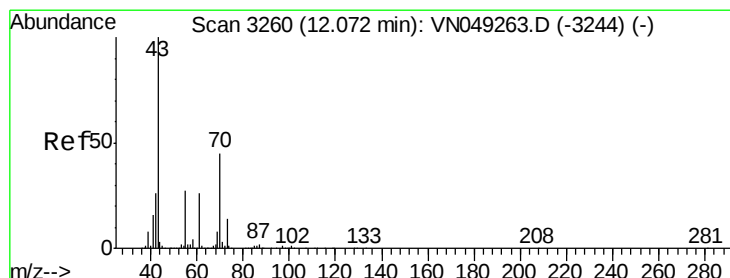
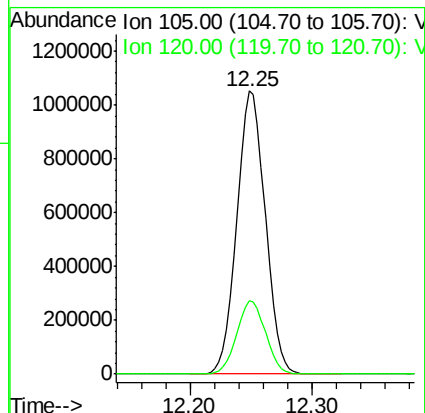
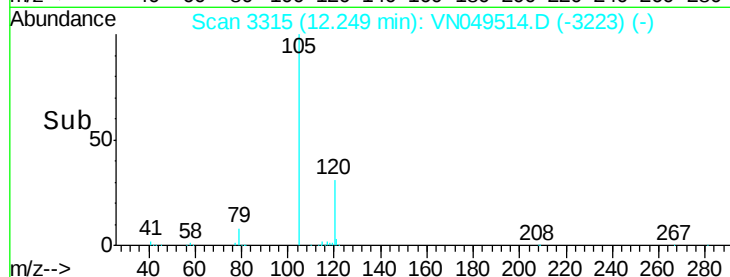
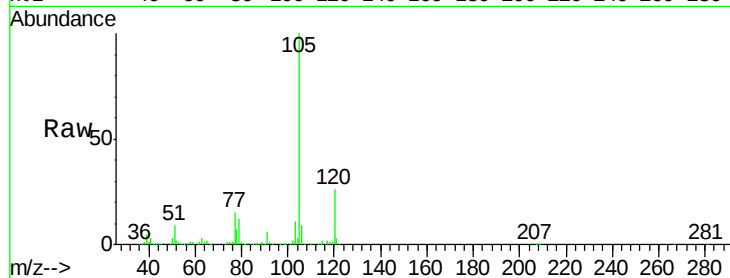
105 100

120 26.3 12.8 38.3

Manual Integrations
APPROVED

apatel

6/26/2018 5:13:59 PM



#74

N-ethyl acetate

Concen: 16.02 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion: 43 Resp: 363437

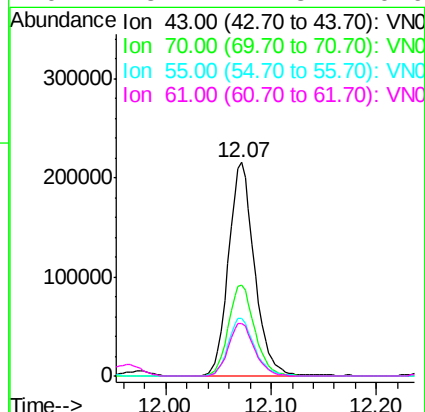
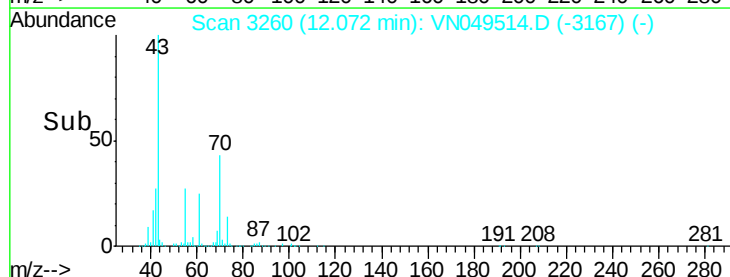
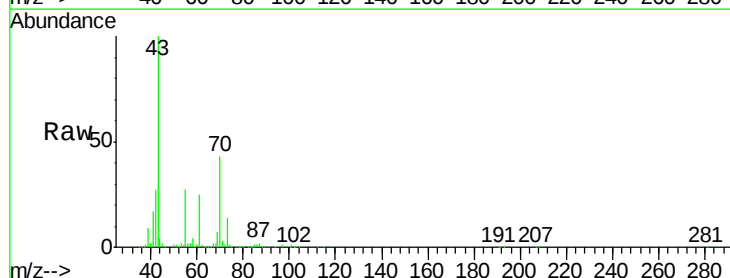
Ion Ratio Lower Upper

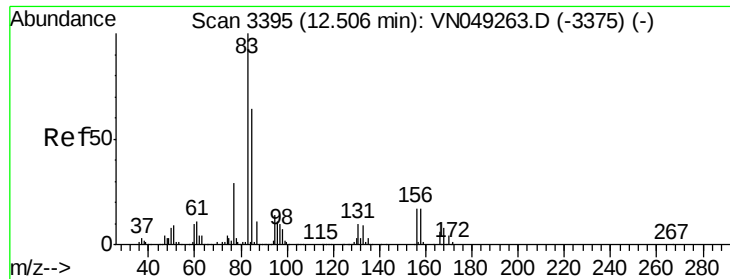
43 100

70 43.2 30.3 45.5

55 27.5 19.4 29.2

61 25.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.98 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion: 83 Resp: 351852

Ion Ratio Lower Upper

83 100

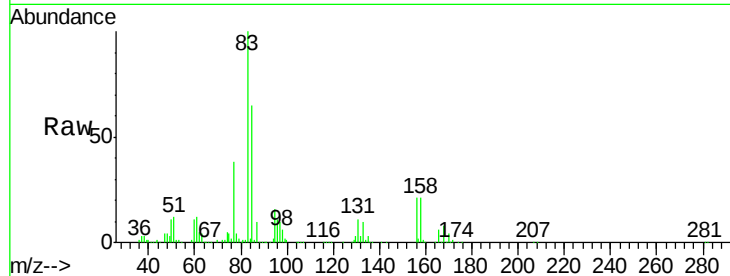
131 10.5 5.0 15.0

85 63.9 32.0 96.0

Manual Integrations
APPROVED

apatel

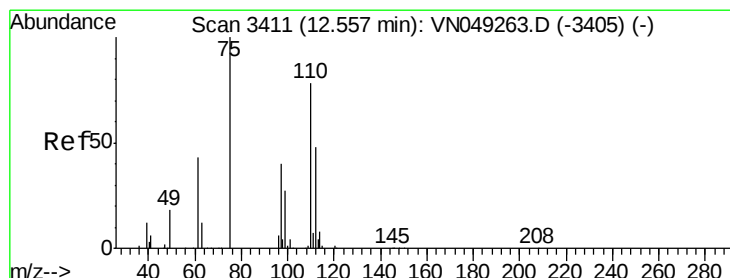
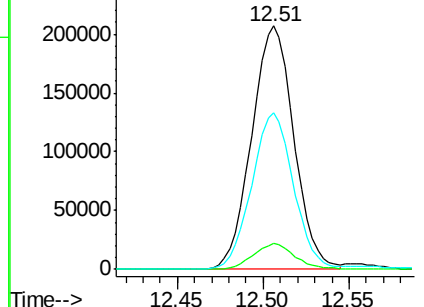
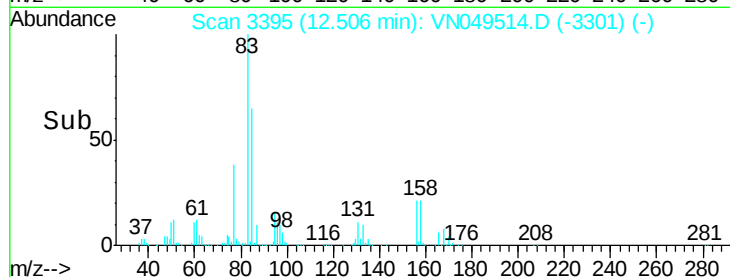
6/26/2018 5:13:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049514.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049514.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049514.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 16.64 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049514.D

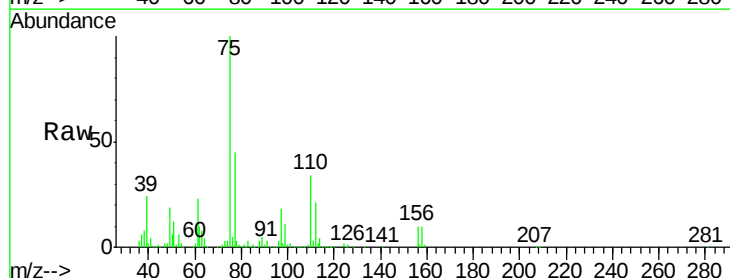
Acq: 25 Jun 2018 15:22

Tgt Ion: 75 Resp: 299623

Ion Ratio Lower Upper

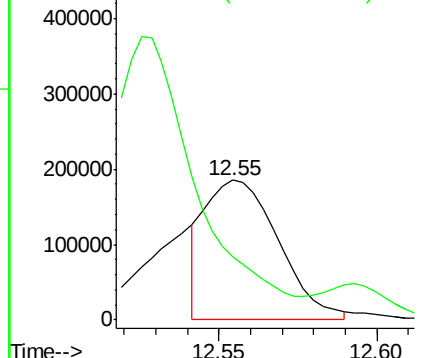
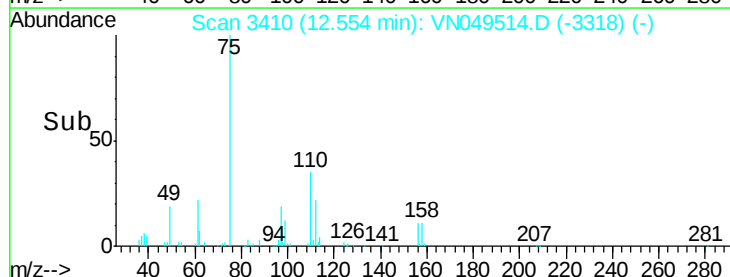
75 100

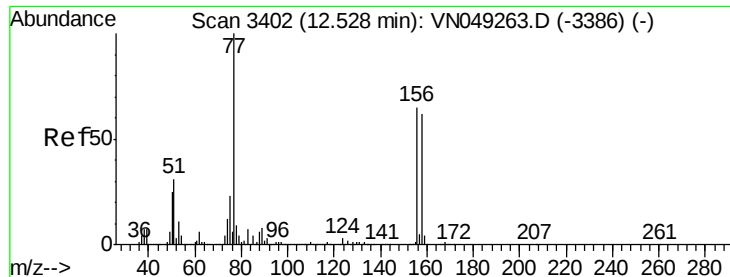
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049514.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049514.D (-3318) (-)





#77

Bromobenzene

Concen: 17.19 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

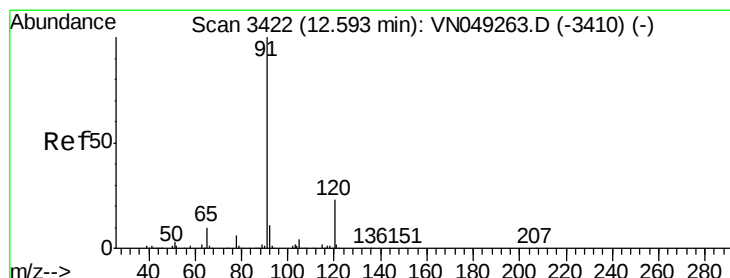
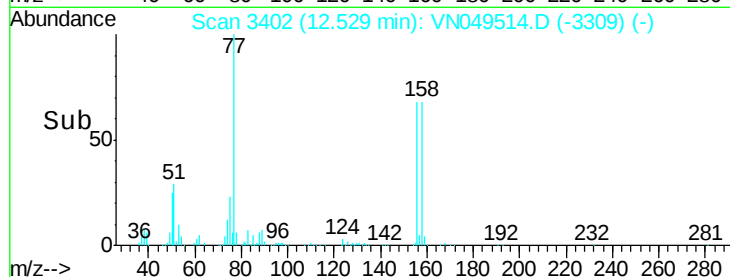
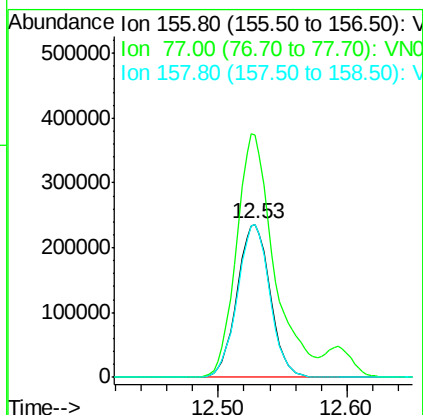
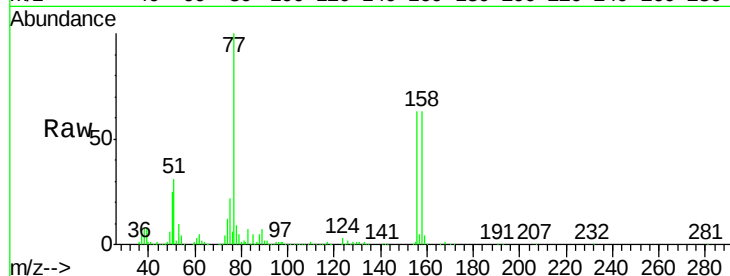
ClientSampled :

VN0625WBS01

Tot Ion:	156	Resp:	420638
Ion Ratio	Lower	Upper	
156	100		
77	180.7	100.8	302.4
158	97.8	49.3	147.9

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#78

n-propylbenzene

Concen: 18.65 ug/l

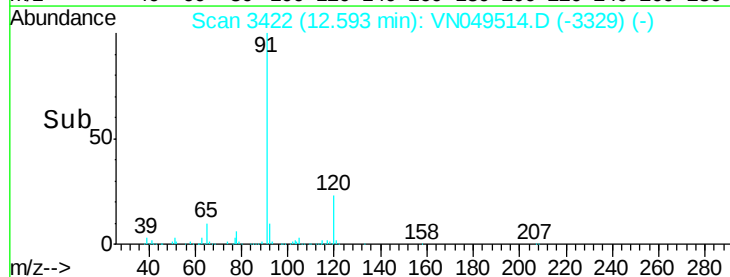
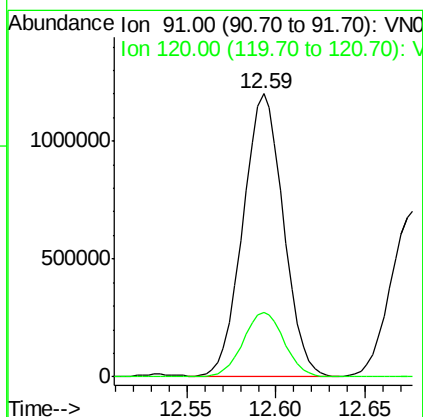
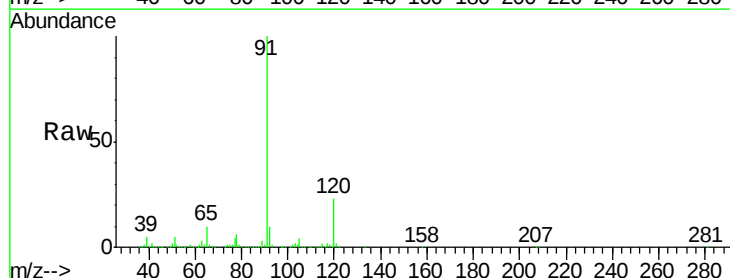
RT: 12.59 min Scan# 3422

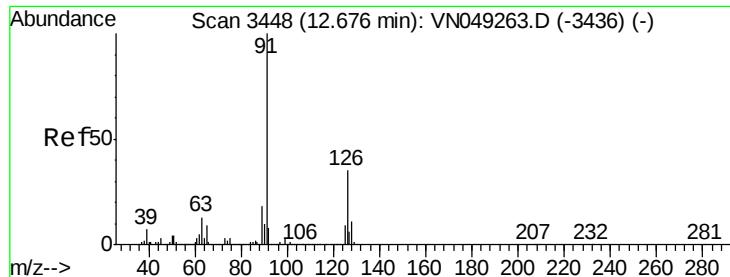
Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	91	Resp:	1896954
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 18.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS01

Tot Ion: 91 Resp: 1168370

Ion Ratio Lower Upper

91 100

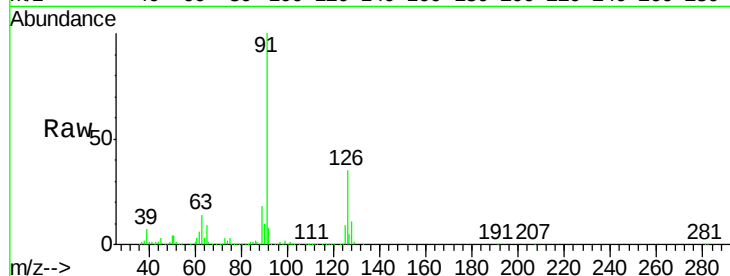
126 34.6 16.6 49.8

Manual Integrations

APPROVED

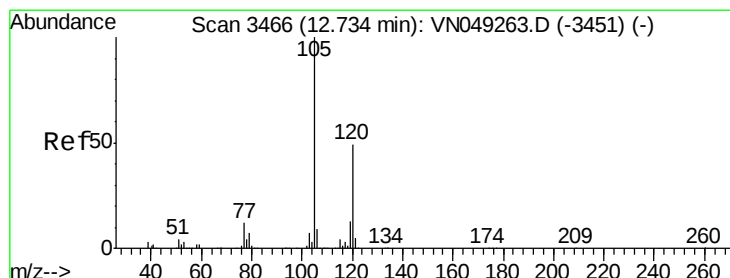
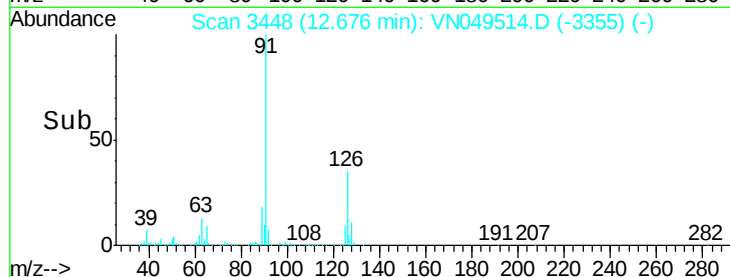
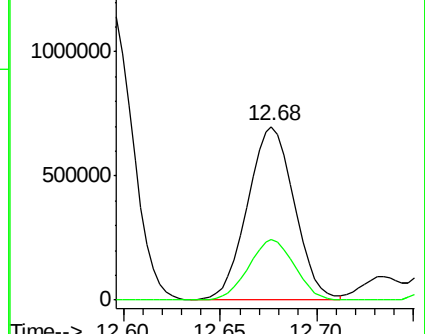
apatel

6/26/2018 5:13:59 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: 19.00 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049514.D

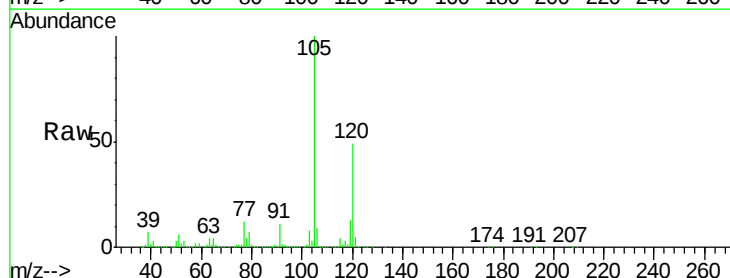
Acq: 25 Jun 2018 15:22

Tgt Ion: 105 Resp: 1383175

Ion Ratio Lower Upper

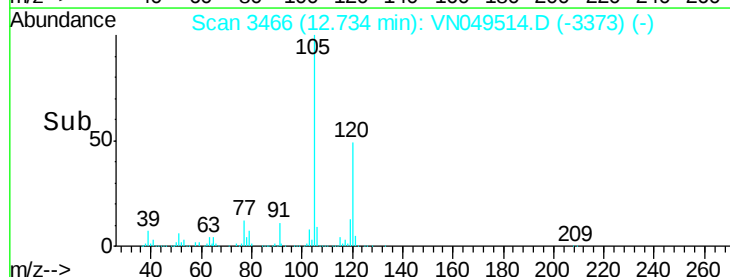
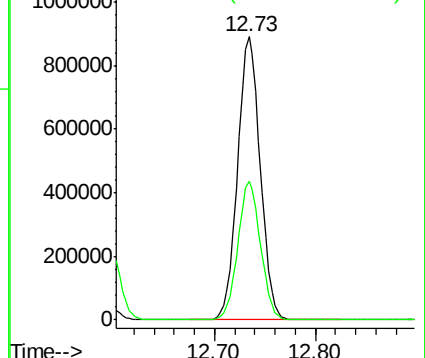
105 100

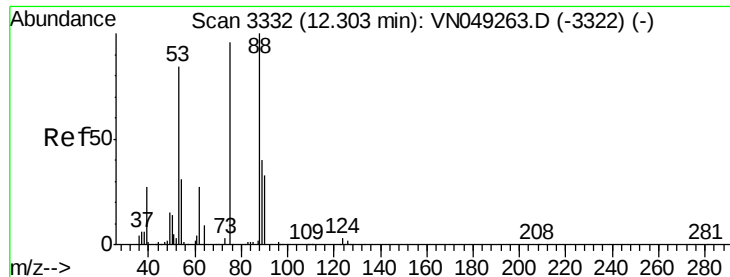
120 49.0 23.5 70.5



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: 16.59 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

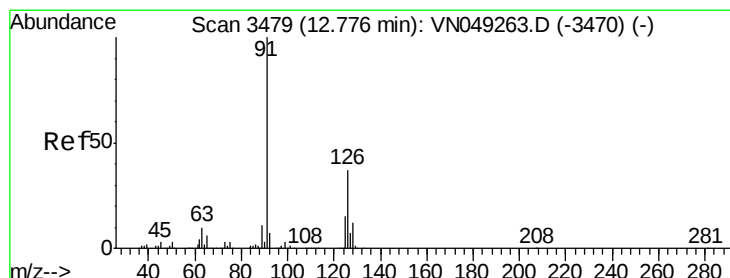
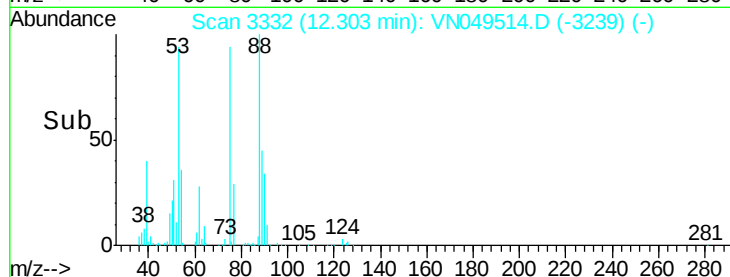
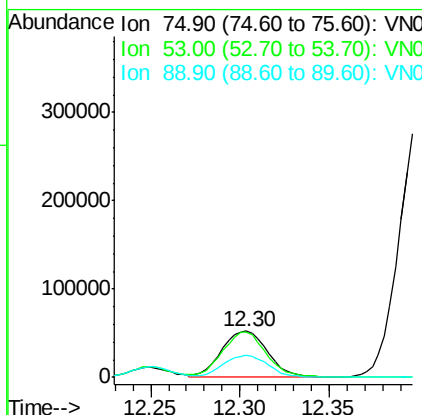
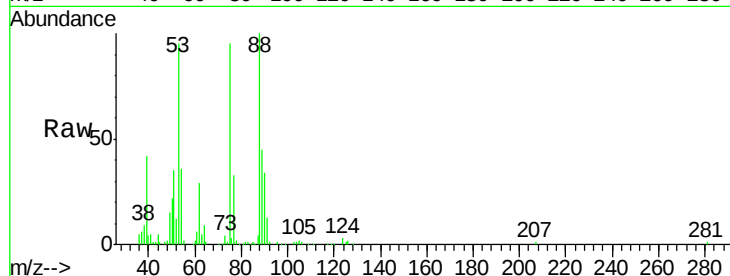
ClientSampleId :

VN0625WBS01

Tot Ion:	75	Resp:	94503
Ion	Ratio	Lower	Upper
75	100		
53	93.7	82.7	124.1
89	47.0	36.5	54.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#82

4-Chlorotoluene

Concen: 18.41 ug/l

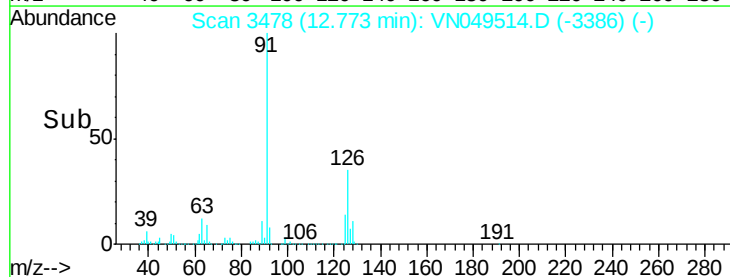
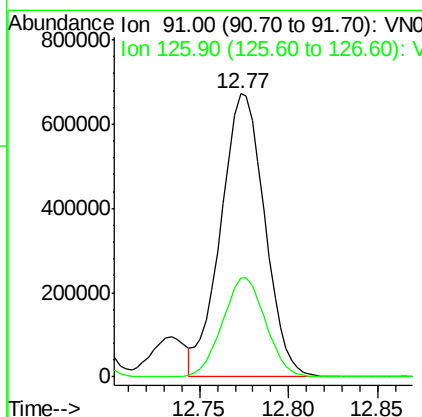
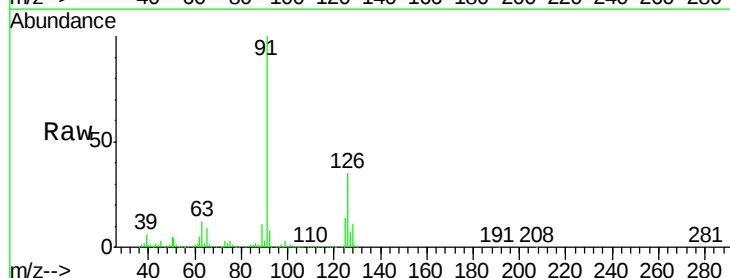
RT: 12.77 min Scan# 3478

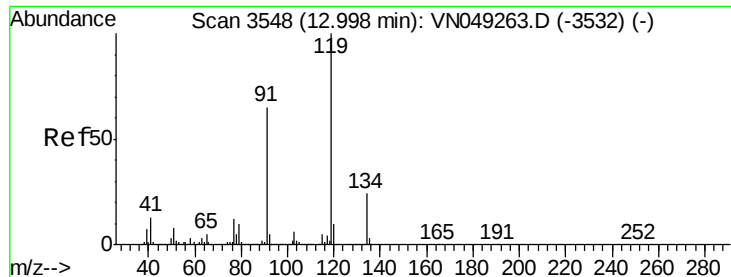
Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	91	Resp:	1144950
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.1





#83

tert-Butylbenzene

Concen: 17.97 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS01

Tot Ion:119 Resp: 1159279

Ion Ratio Lower Upper

119 100

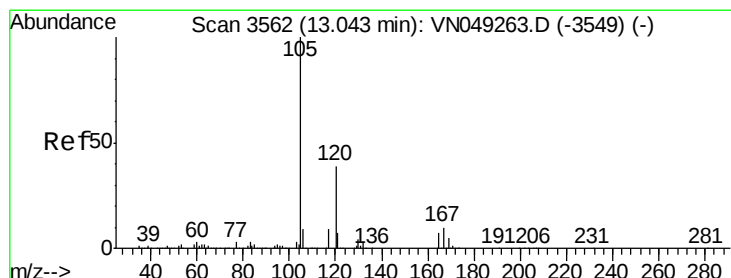
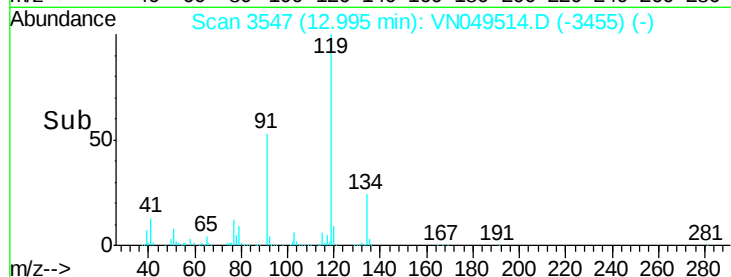
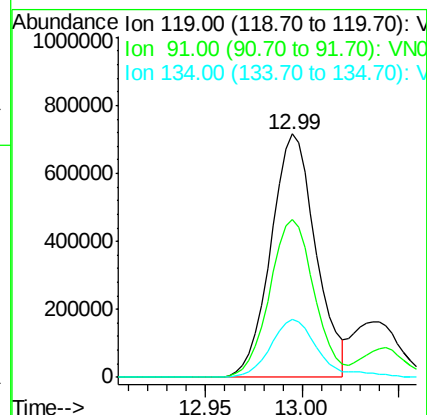
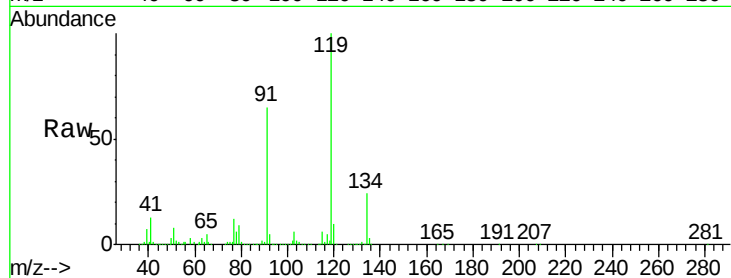
91 64.6 33.7 101.0

134 25.4 12.9 38.6

Manual Integrations
APPROVED

apatel

6/26/2018 5:13:59 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.07 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049514.D

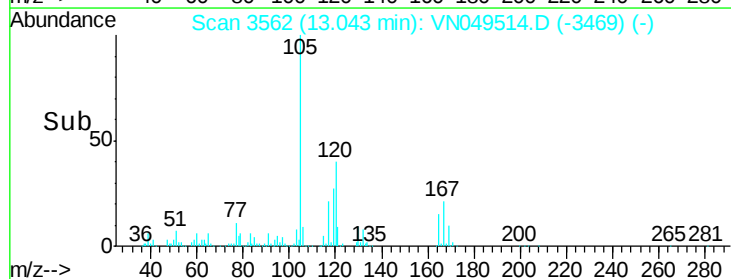
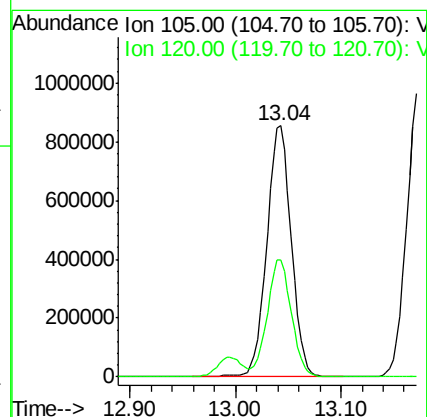
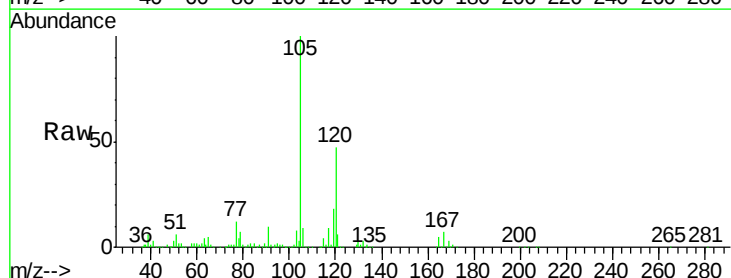
Acq: 25 Jun 2018 15:22

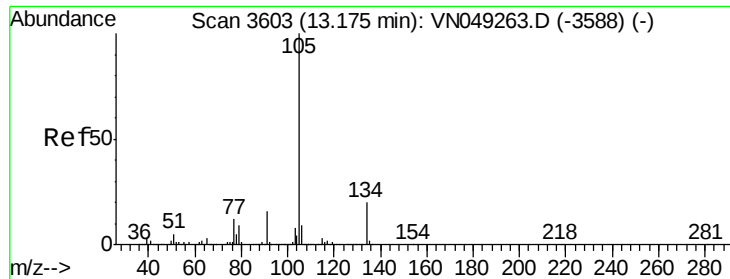
Tgt Ion:105 Resp: 1379577

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.17 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS01

Tot Ion:105 Resp: 1560352

Ion Ratio Lower Upper

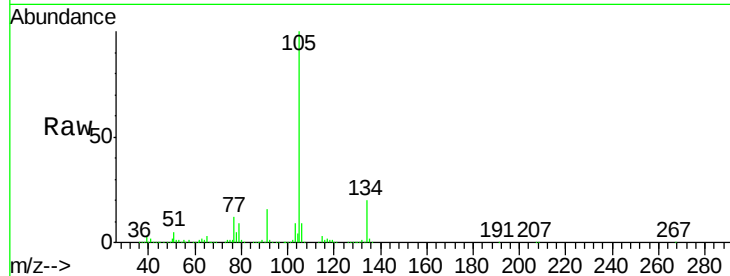
105 100

134 20.1 9.8 29.3

Manual Integrations
APPROVED

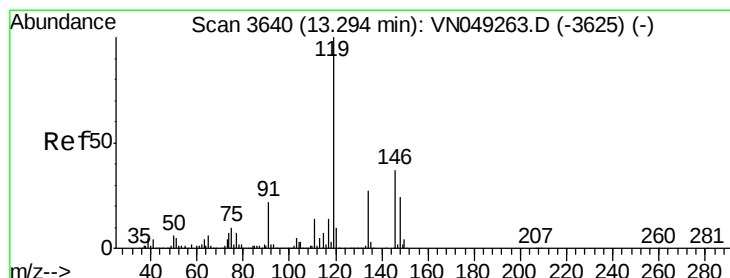
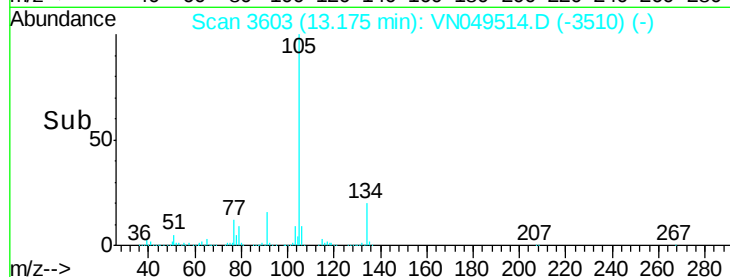
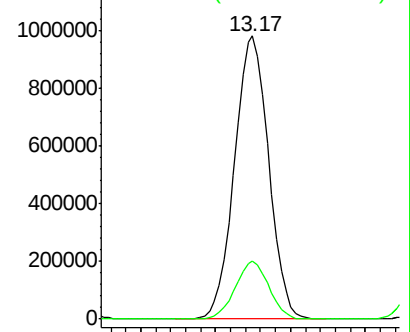
apatel

6/26/2018 5:13:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.45 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

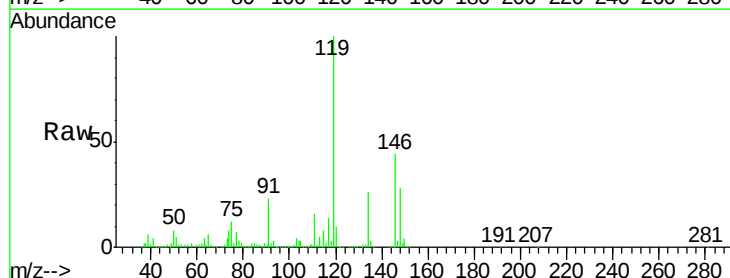
Tgt Ion:119 Resp: 1323633

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

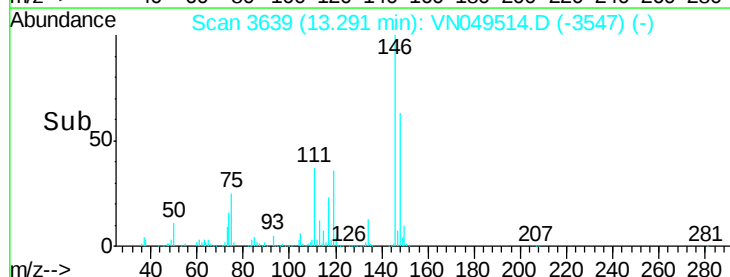
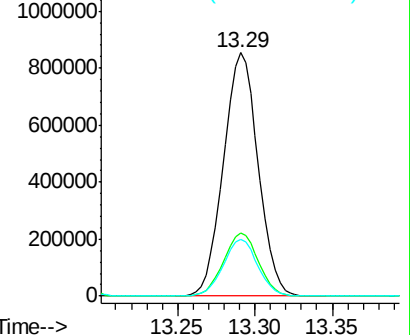
91 23.2 12.1 36.3



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





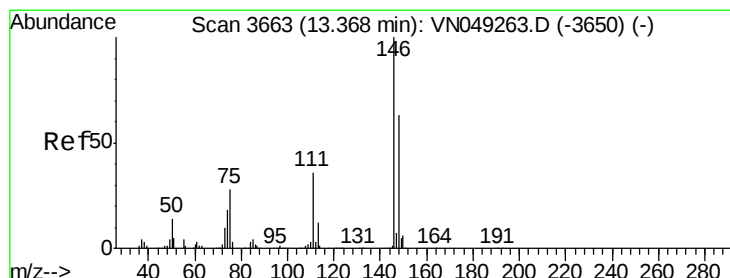
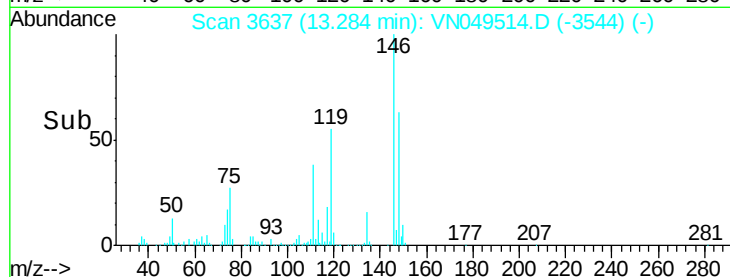
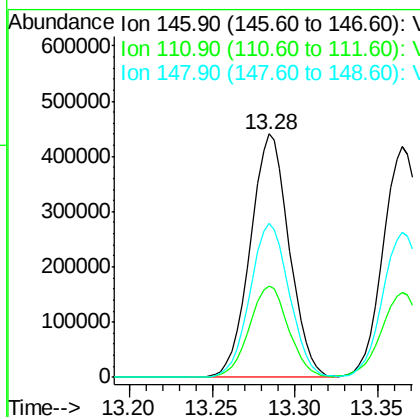
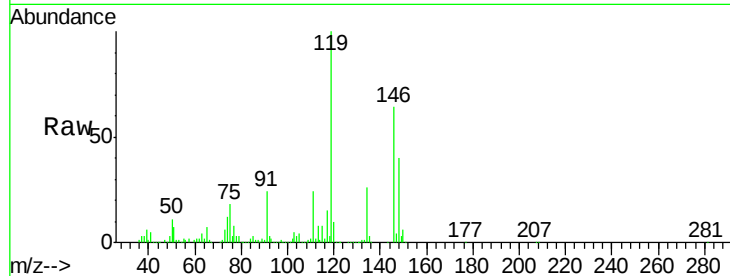
#87
 1,3-Dichlorobenzene
 Concen: 17.83 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	63.9	32.1	96.5

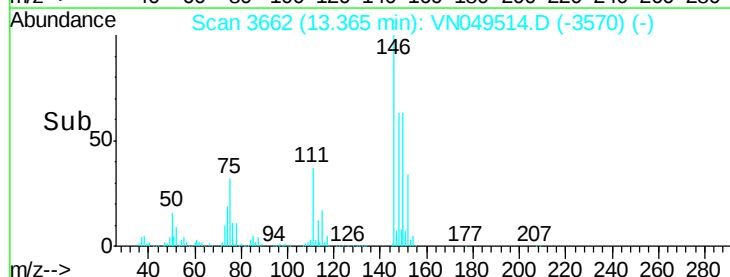
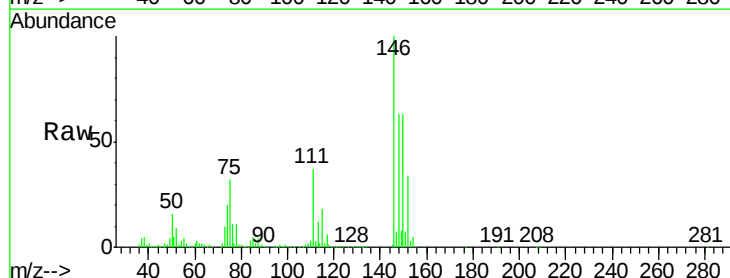
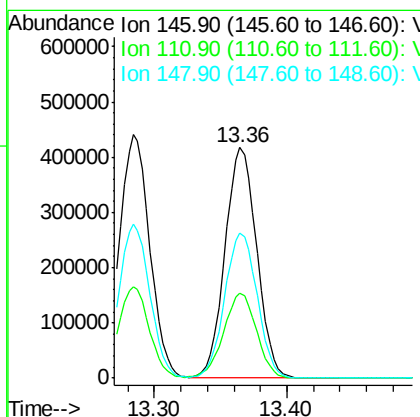
Manual Integrations
 APPROVED

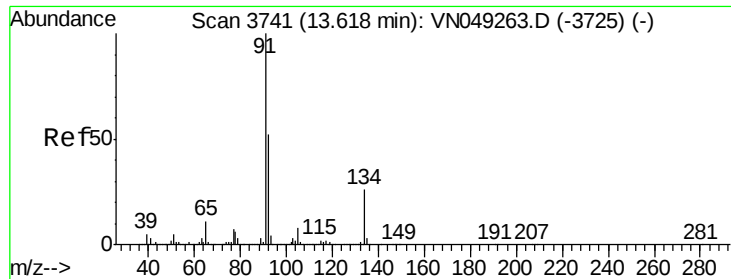
apatel
 6/26/2018 5:13:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.39 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049514.D
 Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.5	32.0	96.2





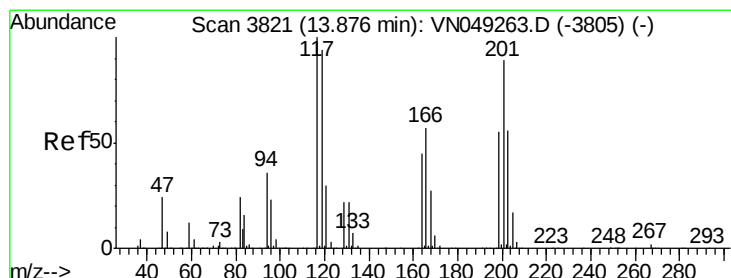
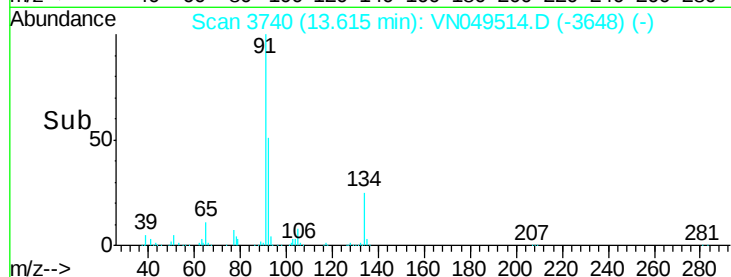
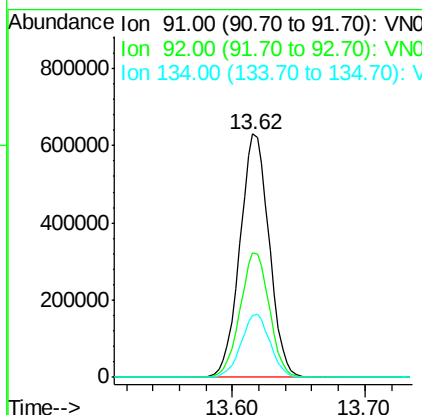
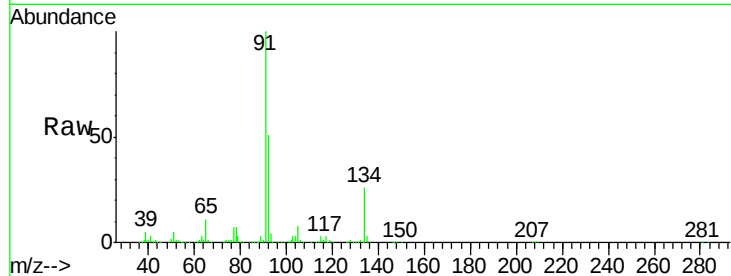
#89
n-Butylbenzene
Concen: 17.19 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.5	12.0	36.0

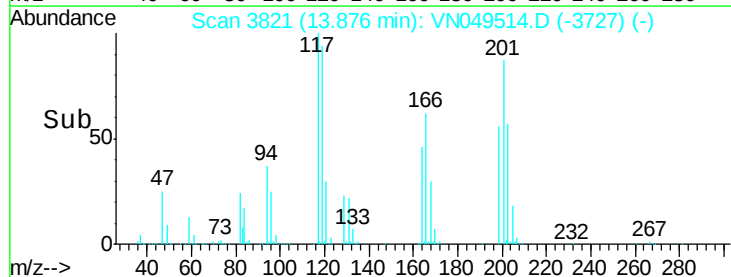
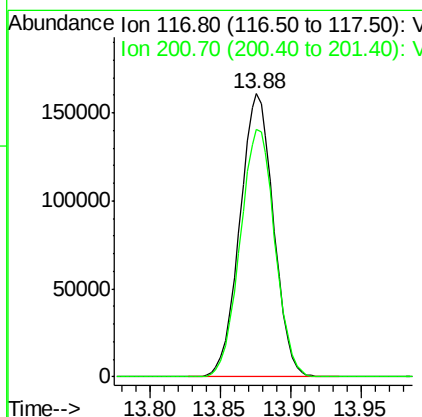
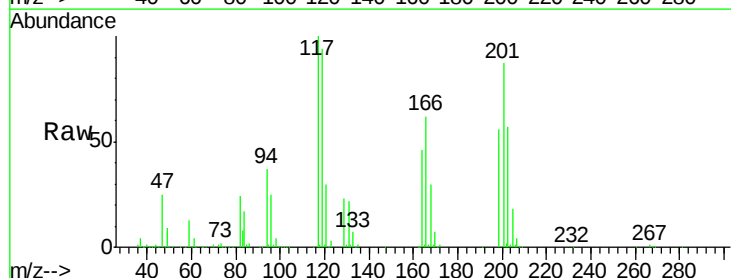
Manual Integrations
APPROVED

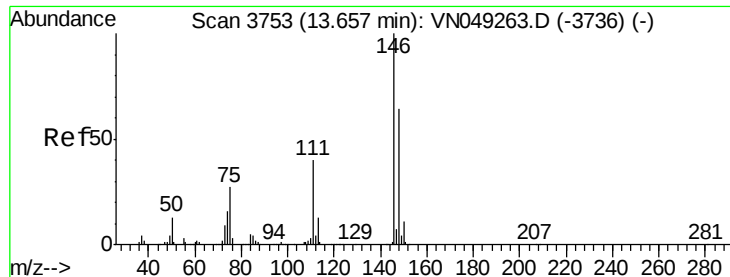
apatel
6/26/2018 5:13:59 PM



#90
Hexachloroethane
Concen: 18.77 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 17.70 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

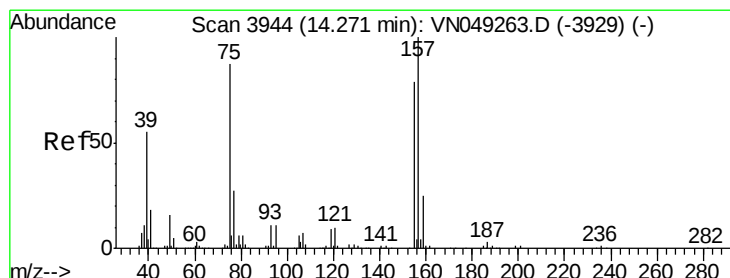
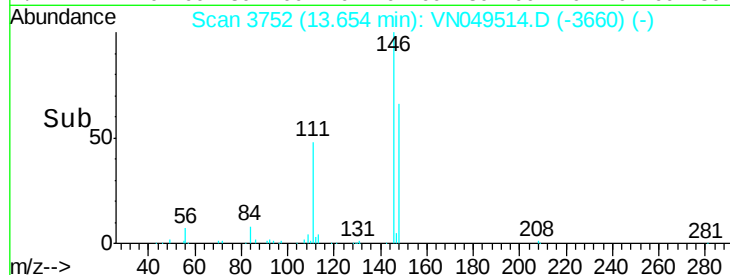
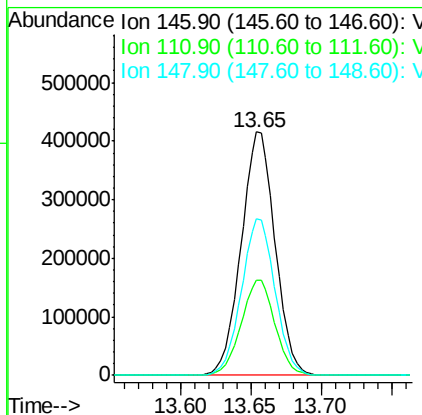
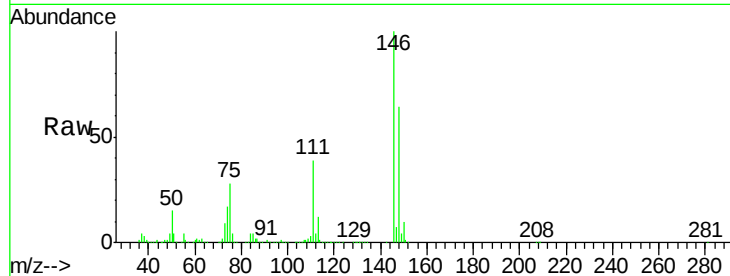
ClientSampleId :

VN0625WBS01

Tot Ion:	146	Resp:	698788
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.8	62.2
148	64.0	32.0	96.2

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.78 ug/l

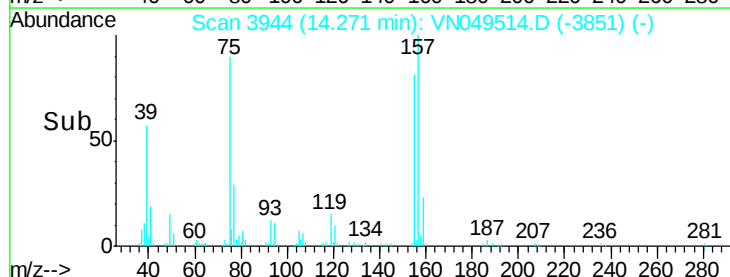
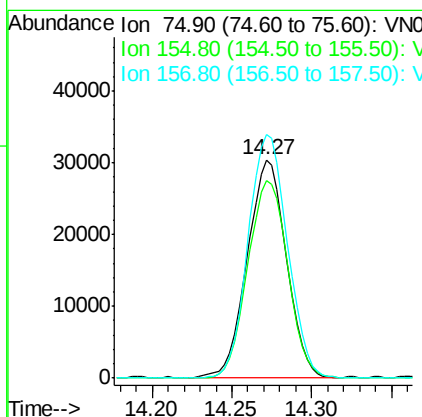
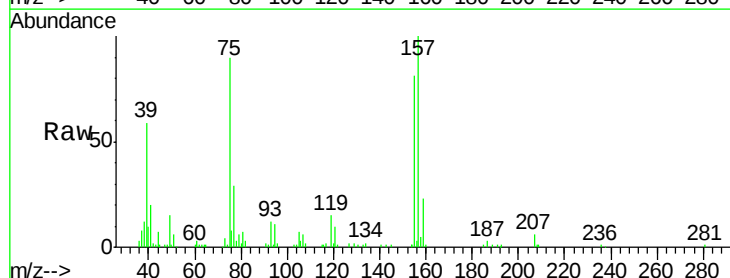
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	75	Resp:	50888
Ion Ratio	Lower	Upper	
75	100		
155	92.5	38.8	116.3
157	112.0	51.0	153.1





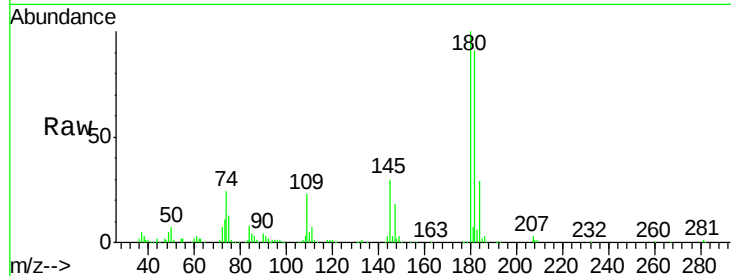
#93
1,2,4-Trichlorobenzene
Concen: 15.29 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

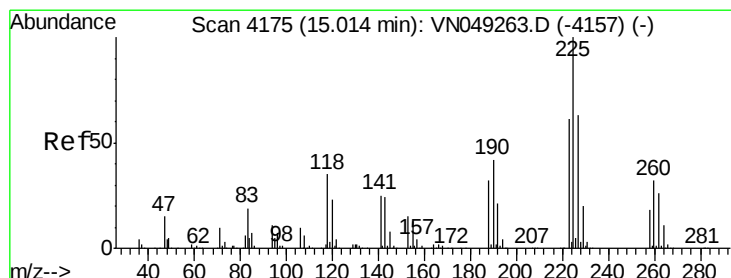
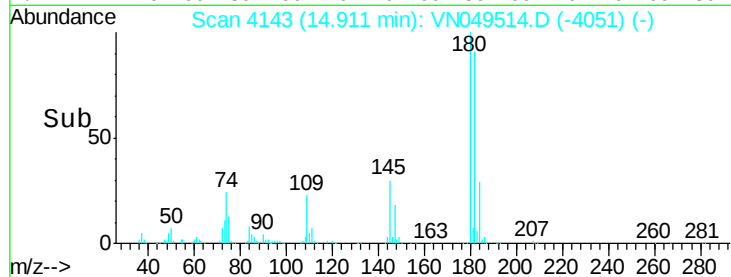
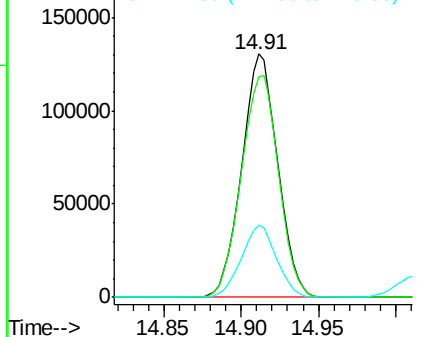
Tot Ion	Ratio	Resp	Lower	Upper
180	100	210828		
182	95.1	46.9	140.8	
145	29.0	14.7	44.1	

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM

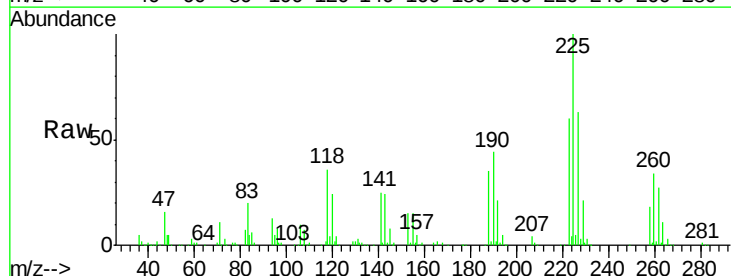


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

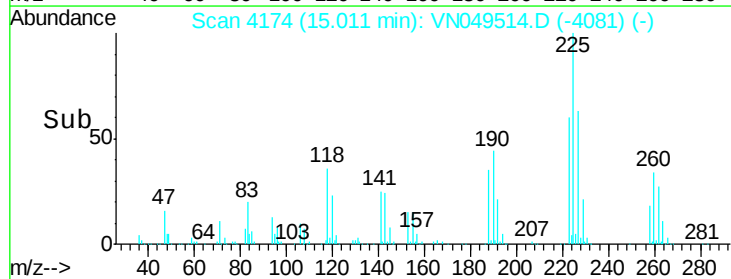
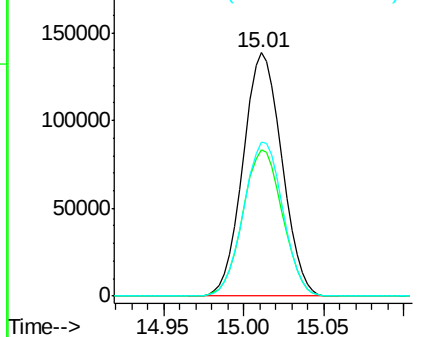


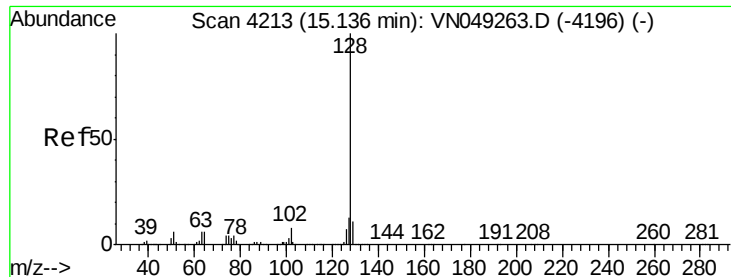
#94
Hexachlorobutadiene
Concen: 18.11 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049514.D
Acq: 25 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	229125		
223	61.5	32.1	96.3	
227	64.2	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 14.50 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Instrument :

MSVOA_N

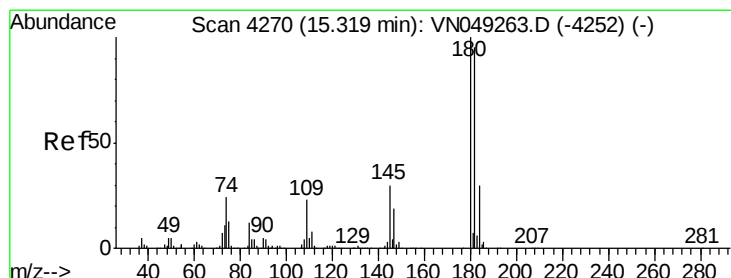
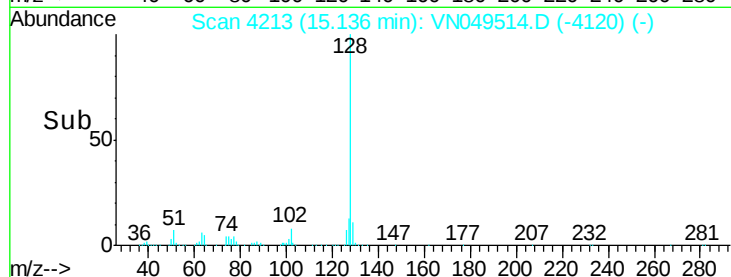
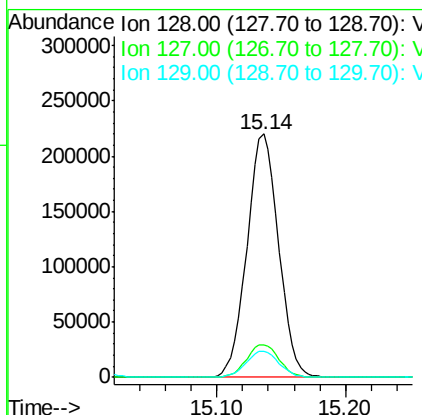
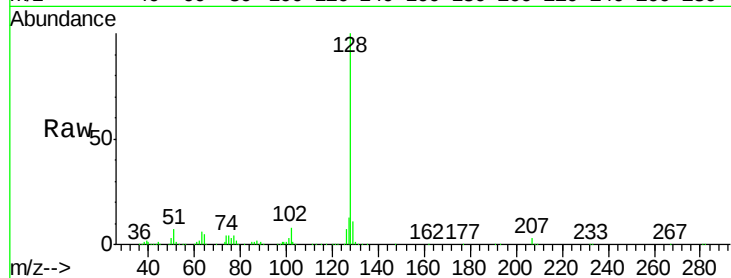
ClientSampleId :

VN0625WBS01

Tot Ion:	128	Resp:	376421
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	16.0
129	11.3	8.5	12.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:13:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.78 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049514.D

Acq: 25 Jun 2018 15:22

Tgt Ion:	180	Resp:	234194
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.3	141.8
145	29.6	15.6	46.7

