

Data File : VN049659.D
Acq On : 30 Jun 2018 20:27
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM

Quant Time: Jul 02 02:21:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1346377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2023409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1044750	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	820329	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.59	113	711956	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.09	98	2763411	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
62) 4-Bromofluorobenzene	12.40	95	975813	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	695683	45.850	ug/l	96
3) Chloromethane	2.06	50	828105	43.697	ug/l	100
4) Vinyl Chloride	2.18	62	912357	44.825	ug/l	99
5) Bromomethane	2.56	94	458517	42.887	ug/l	99
6) Chloroethane	2.70	64	572821	44.464	ug/l	99
7) Trichlorofluoromethane	3.02	101	1053902	45.331	ug/l	98
8) Diethyl Ether	3.41	74	440323	46.725	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	738963	44.178	ug/l	100
10) Methyl Iodide	3.95	142	994366	47.500	ug/l	99
11) Tert butyl alcohol	4.80	59	270779	265.393	ug/l	99
12) 1,1-Dichloroethene	3.73	96	686994	43.443	ug/l	100
13) Acrolein	3.61	56	211474	221.895	ug/l	99
14) Allyl chloride	4.32	41	983630	45.283	ug/l	100
15) Acrylonitrile	4.99	53	1311842	248.943	ug/l	99
16) Acetone	3.82	43	944506	264.993	ug/l	98
17) Carbon Disulfide	4.05	76	1863556	42.764	ug/l	100
18) Methyl Acetate	4.33	43	759709	48.006	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	2005345	49.192	ug/l	98
20) Methylene Chloride	4.55	84	806255	44.036	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	732334	44.998	ug/l	98
22) Diisopropyl ether	5.96	45	2379158	48.411	ug/l	99
23) Vinyl Acetate	5.90	43	7880585	247.279	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1418717	45.824	ug/l	99
25) 2-Butanone	6.84	43	1442479	244.379	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1024976	39.861	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	845063	46.483	ug/l	99
28) Bromochloromethane	7.20	49	648180	49.328	ug/l	99
29) Tetrahydrofuran	7.21	42	978471	260.084	ug/l	100
30) Chloroform	7.37	83	1446077	45.820	ug/l	98
31) Cyclohexane	7.65	56	1186448	44.626	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1239544	46.390	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1060616	46.591	ug/l	99
37) Ethyl Acetate	6.93	43	695090	52.350	ug/l	99
38) Carbon Tetrachloride	7.77	117	1021587	46.133	ug/l	98

Data File : VN049659.D
Acq On : 30 Jun 2018 20:27
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM

Quant Time: Jul 02 02:21:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1129049	45.236	ug/l	100
40) Benzene	8.04	78	3243255	46.658	ug/l	100
41) Methacrylonitrile	7.18	41	369332	49.346	ug/l	97
42) 1,2-Dichloroethane	8.13	62	1043407	47.035	ug/l	100
43) Isopropyl Acetate	8.17	43	1295506	49.129	ug/l	99
44) Trichloroethene	8.84	130	926498	44.197	ug/l	98
45) 1,2-Dichloropropane	9.12	63	862294	48.015	ug/l	100
46) Dibromomethane	9.21	93	520703	47.926	ug/l	98
47) Bromodichloromethane	9.40	83	1101864	47.641	ug/l	98
48) Methyl methacrylate	9.20	41	616346	52.237	ug/l	98
49) 1,4-Dioxane	9.20	88	165508	1043.386	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3392979	260.634	ug/l	100
52) Toluene	10.16	92	1999830	47.622	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1059994	47.863	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1237864	47.825	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	748920	47.897	ug/l	99
56) Ethyl methacrylate	10.43	69	969271	52.884	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1244594	49.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2270496	238.220	ug/l	99
59) 2-Hexanone	10.75	43	2233043	259.406	ug/l	100
60) Dibromochloromethane	10.90	129	839075	49.650	ug/l	99
61) 1,2-Dibromoethane	11.01	107	725296	48.411	ug/l	100
64) Tetrachloroethene	10.63	164	1095544	43.279	ug/l	99
65) Chlorobenzene	11.44	112	2199808	45.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	817775	46.667	ug/l	100
67) Ethyl Benzene	11.51	91	3784403	46.943	ug/l	100
68) m/p-Xylenes	11.62	106	2958948	95.773	ug/l	100
69) o-Xylene	11.95	106	1433536	48.464	ug/l	98
70) Styrene	11.97	104	2377065	49.667	ug/l	100
71) Bromoform	12.13	173	572142	49.136	ug/l	99
73) Isopropylbenzene	12.25	105	3756968	45.145	ug/l	100
74) N-amyl acetate	12.07	43	1097109	48.263	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	873774	50.575	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	799786m	47.732	ug/l	
77) Bromobenzene	12.53	156	964281	42.613	ug/l	99
78) n-propylbenzene	12.59	91	4396775	46.099	ug/l	100
79) 2-Chlorotoluene	12.68	91	2633749	43.633	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3227137	46.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	221460	44.891	ug/l	98
82) 4-Chlorotoluene	12.77	91	2666549	43.935	ug/l	99
83) tert-Butylbenzene	12.99	119	2740768	46.137	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3313935	46.637	ug/l	100
85) sec-Butylbenzene	13.17	105	3636268	46.200	ug/l	100
86) p-Isopropyltoluene	13.29	119	3231519	47.402	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1754999	45.749	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1723672	45.755	ug/l	100
89) n-Butylbenzene	13.62	91	2621563	44.917	ug/l	99
90) Hexachloroethane	13.88	117	343655	47.990	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1732564	47.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140251	48.307	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN063018\
Quantitation Report (QT Reviewed)

Data File : VN049659.D
Acq On : 30 Jun 2018 20:27
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM

Quant Time: Jul 02 02:21:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	805214	42.222	ug/l	99
94) Hexachlorobutadiene	15.01	225	519350	46.655	ug/l	99
95) Naphthalene	15.14	128	1746027	41.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	793567	43.630	ug/l	99

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

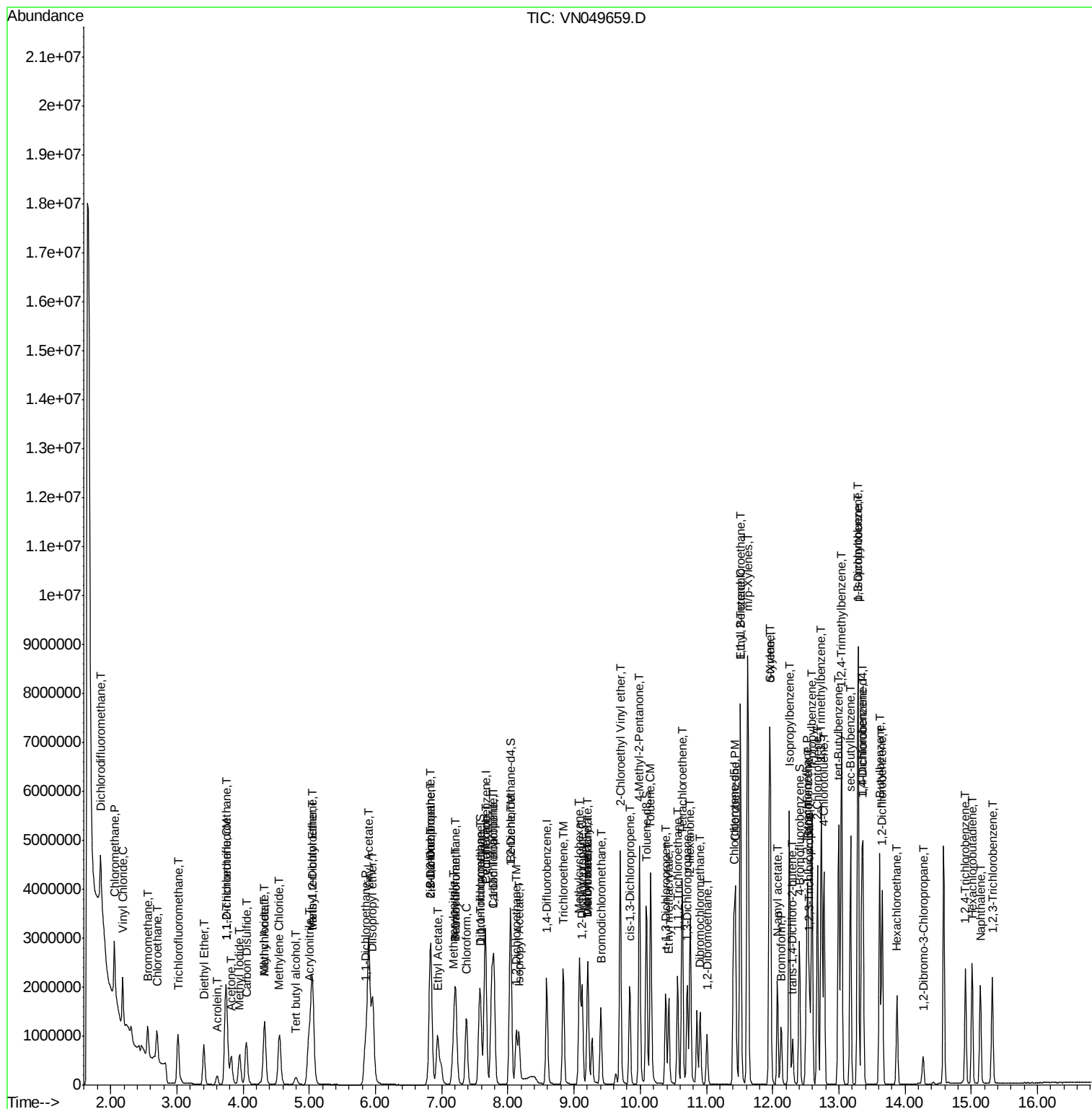
Data File : VN049659.D
Acq On : 30 Jun 2018 20:27
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

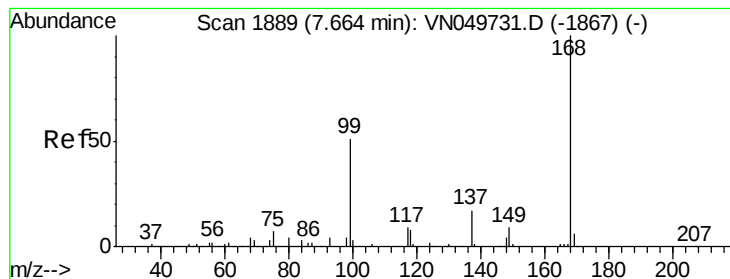
Instrument :
MSVOA_N
Client Sampled :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM

Quant Time: Jul 02 02:21:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1346377

Ion Ratio Lower Upper

168 100

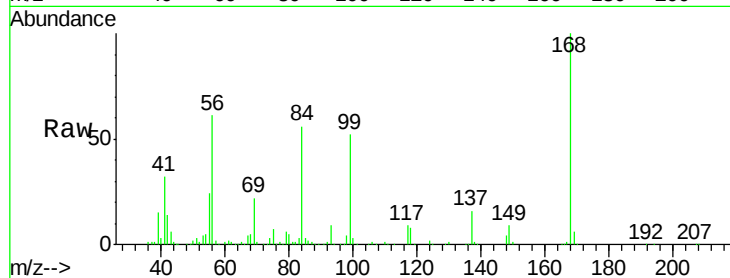
99 50.8 40.6 61.0

Manual Integrations

APPROVED

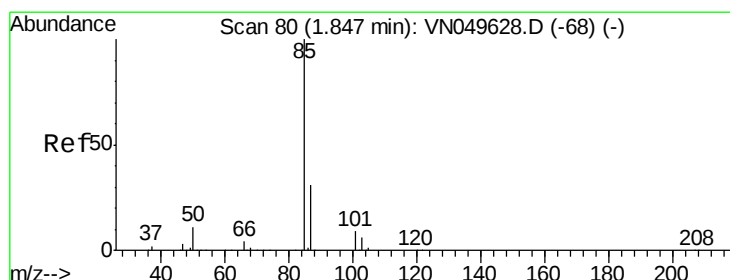
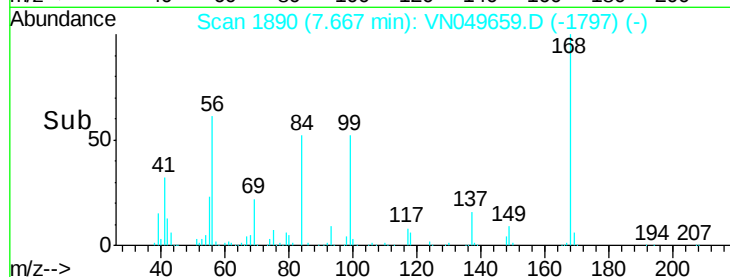
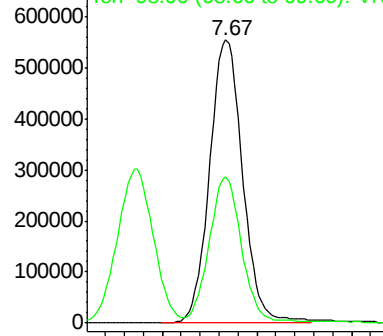
apatel

7/2/2018 4:17:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.850 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049659.D

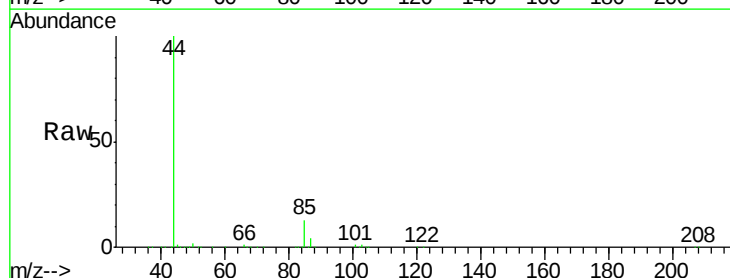
Acq: 30 Jun 2018 20:27

Tgt Ion: 85 Resp: 695683

Ion Ratio Lower Upper

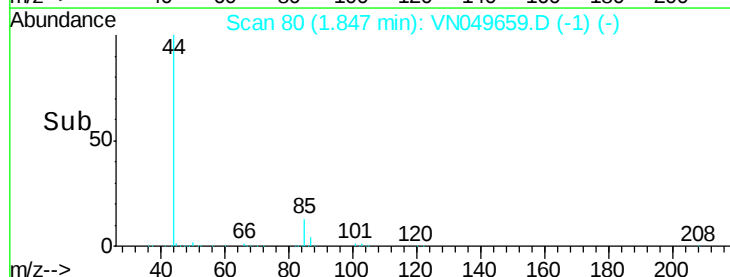
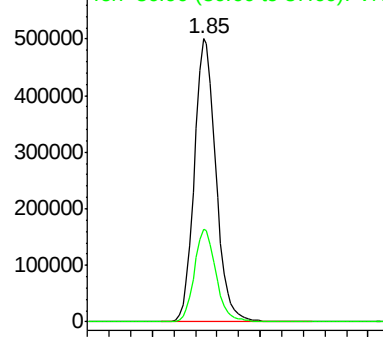
85 100

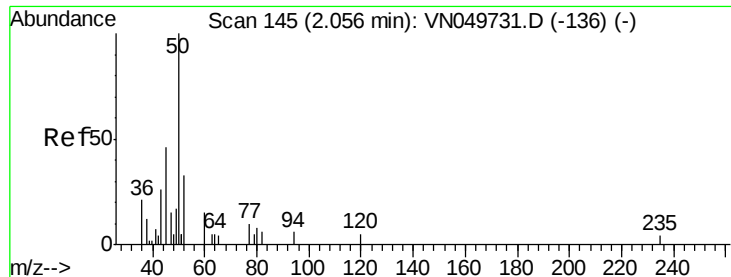
87 32.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.697 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 828105

Ion Ratio Lower Upper

50 100

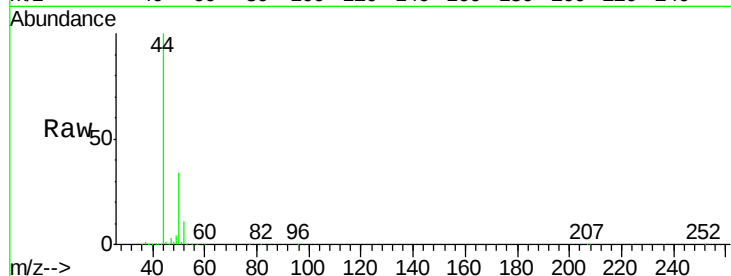
52 32.4 26.1 39.1

Manual Integrations

APPROVED

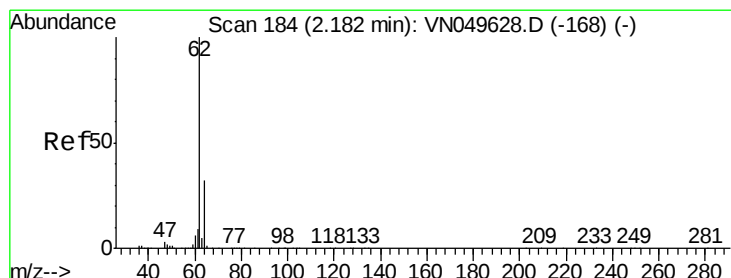
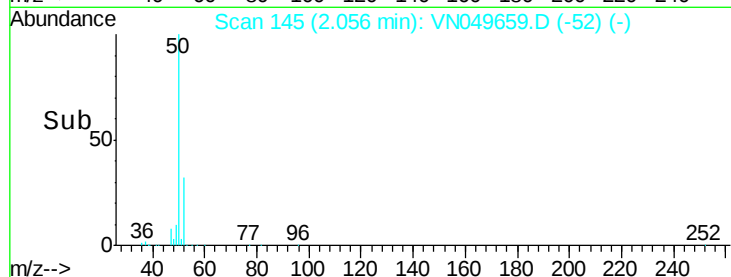
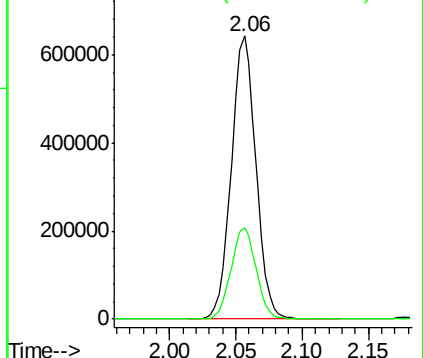
apatel

7/2/2018 4:17:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.825 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049659.D

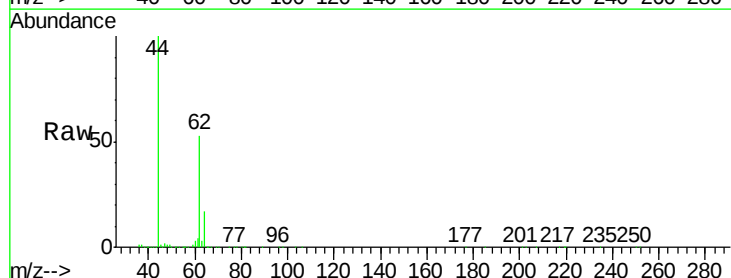
Acq: 30 Jun 2018 20:27

Tgt Ion: 62 Resp: 912357

Ion Ratio Lower Upper

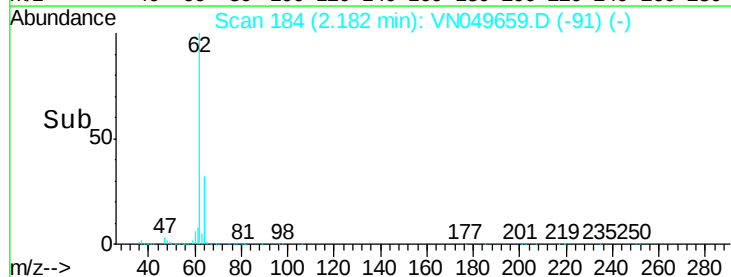
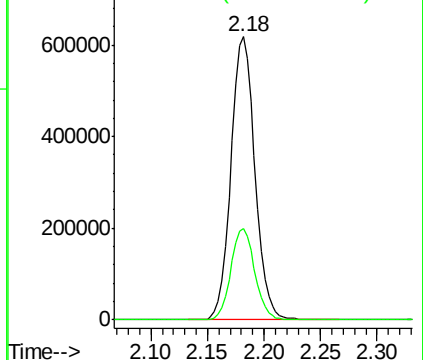
62 100

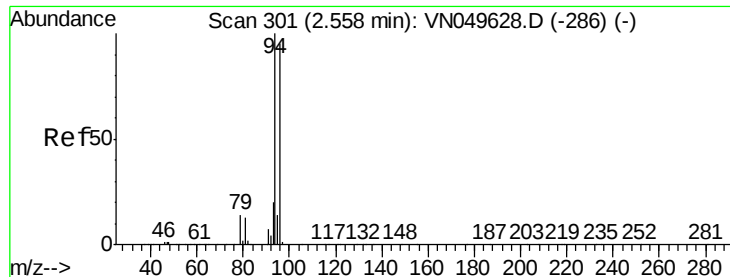
64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.887 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 458517

Ion Ratio Lower Upper

94 100

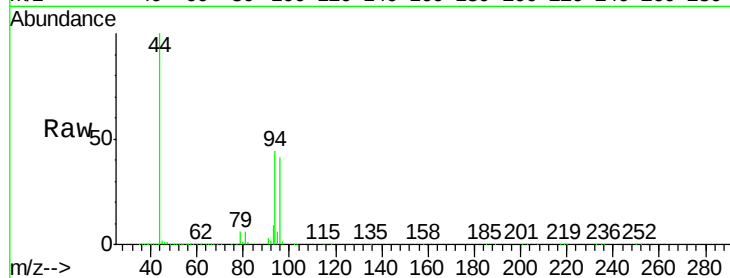
96 93.6 75.7 113.5

Manual Integrations

APPROVED

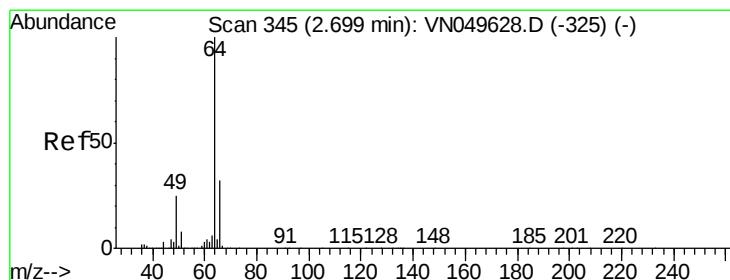
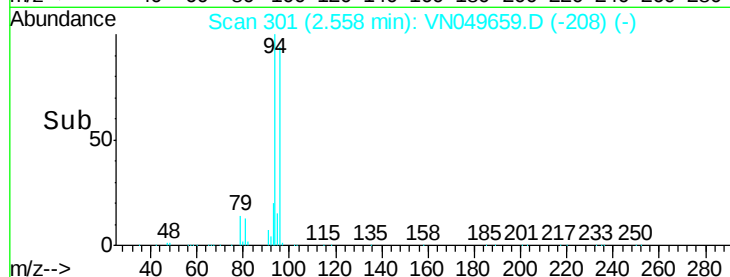
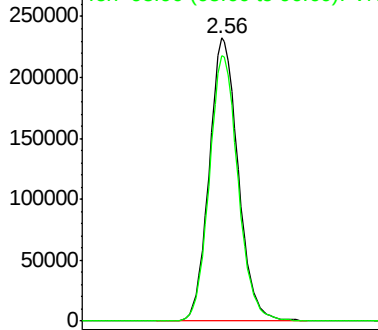
apatel

7/2/2018 4:17:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.464 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049659.D

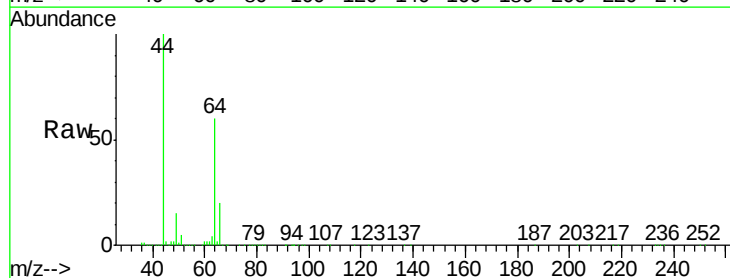
Acq: 30 Jun 2018 20:27

Tgt Ion: 64 Resp: 572821

Ion Ratio Lower Upper

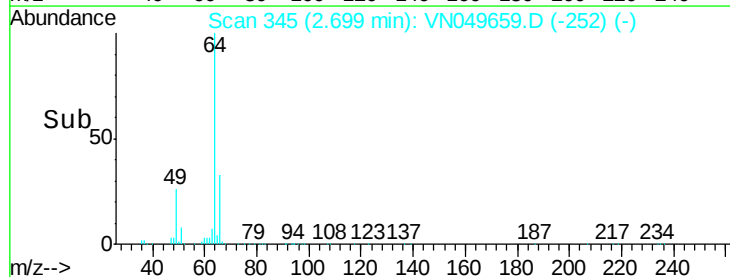
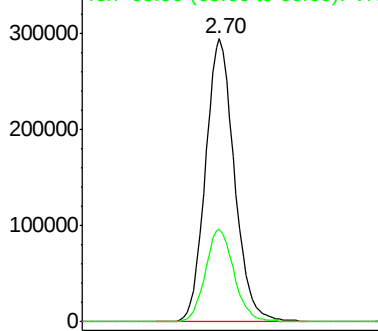
64 100

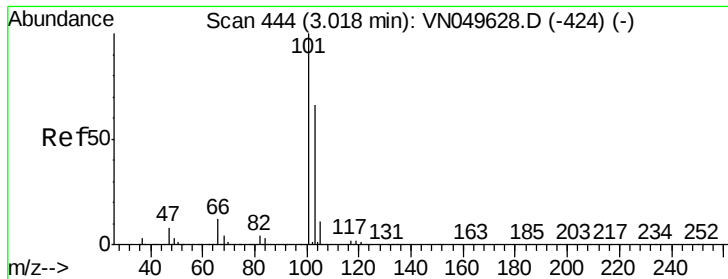
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

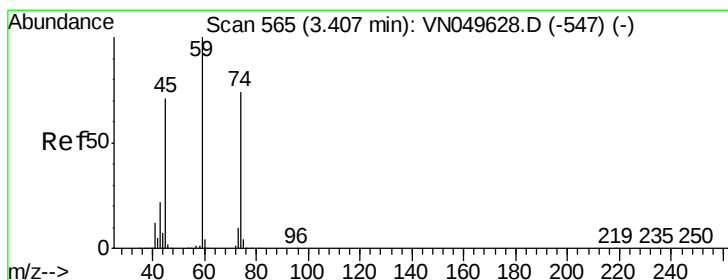
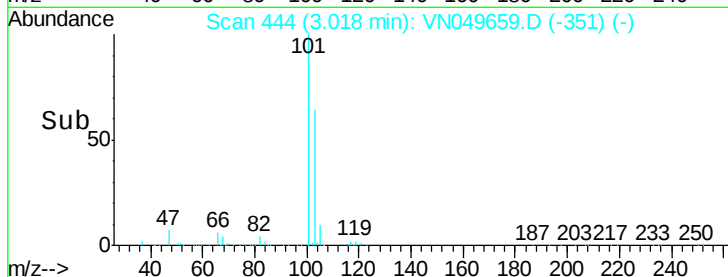
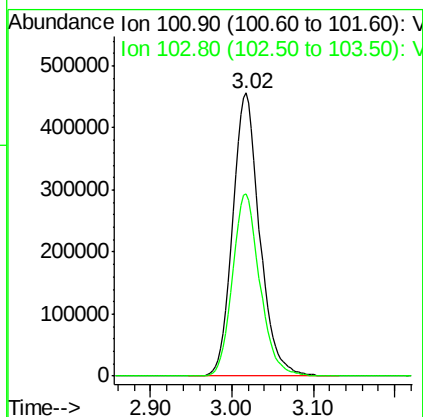
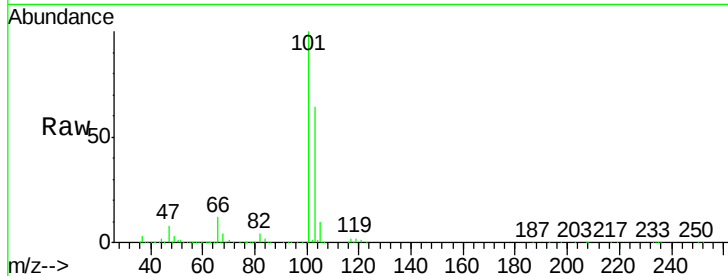
Trichlorofluoromethane
Concen: 45.331 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 1053902
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

Manual Integrations
APPROVED

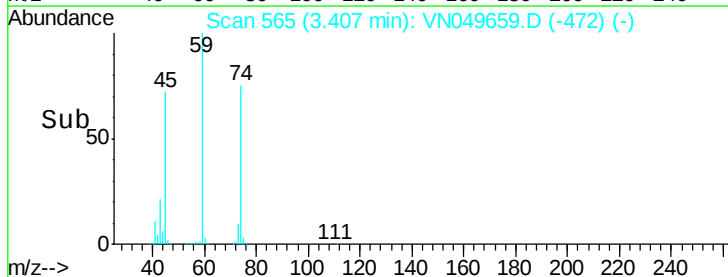
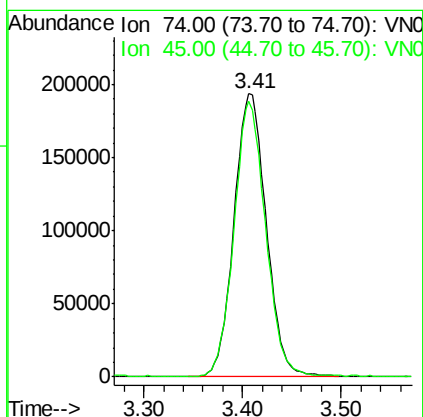
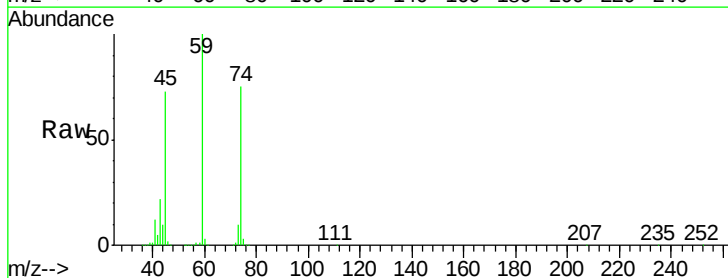
apatel
7/2/2018 4:17:59 PM

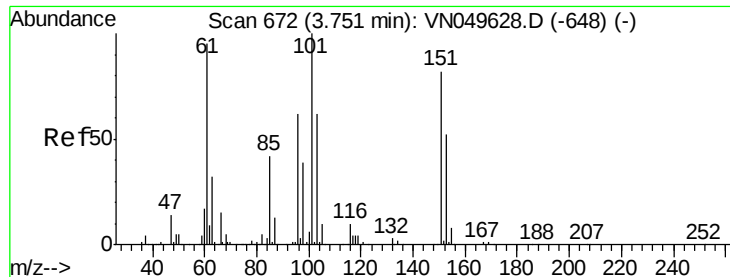


#8

Diethyl Ether
Concen: 46.725 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 74 Resp: 440323
Ion Ratio Lower Upper
74 100
45 94.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.178 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

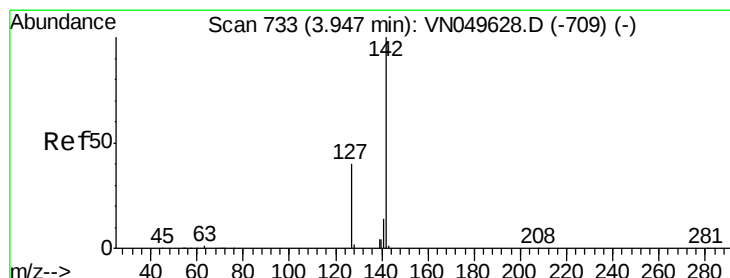
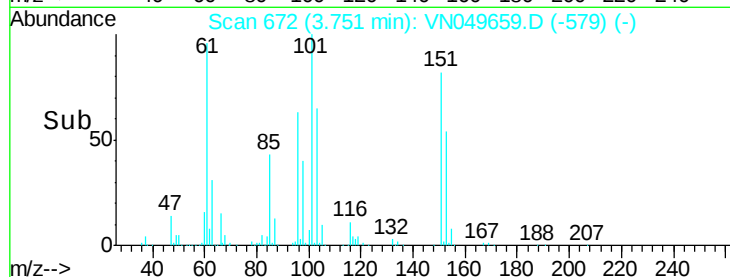
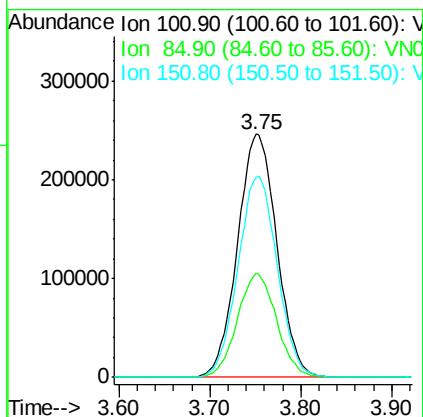
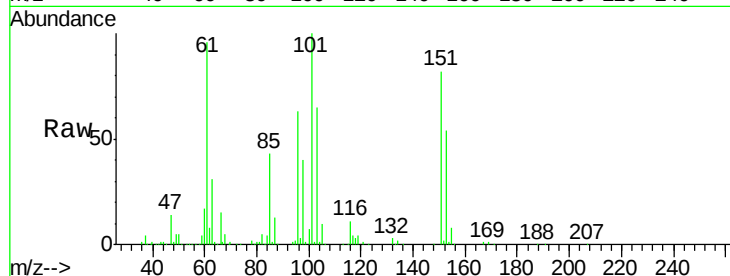
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	738963
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	82.7	66.2	99.4

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#10

Methyl Iodide

Concen: 47.500 ug/l

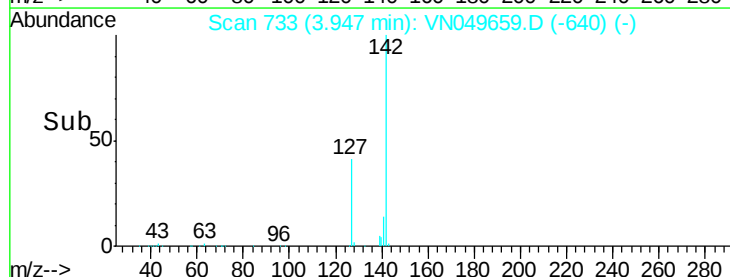
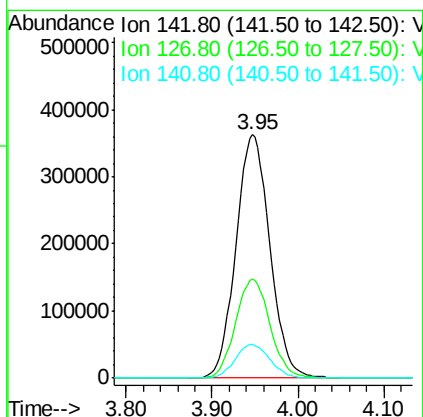
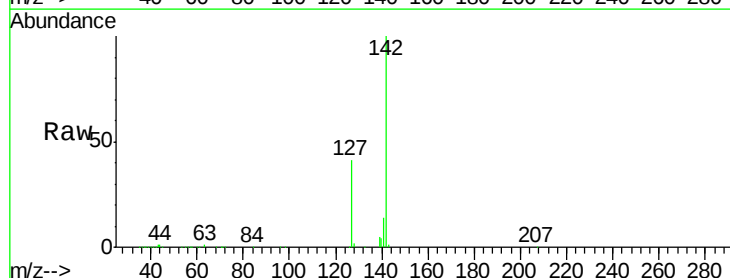
RT: 3.95 min Scan# 733

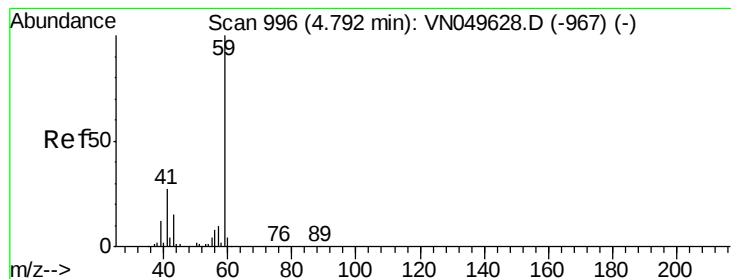
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion:	142	Resp:	994366
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.5	48.7
141	14.3	11.1	16.7





#11

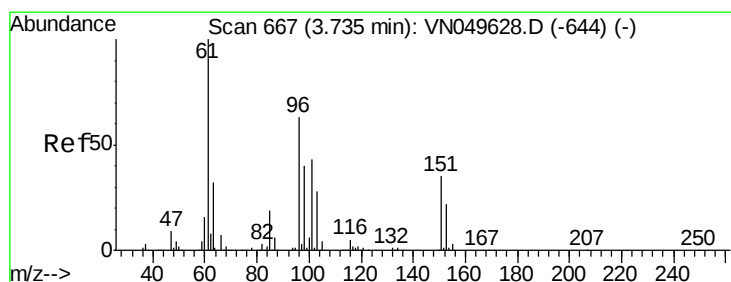
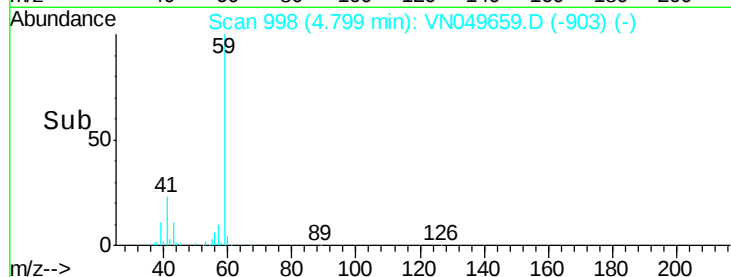
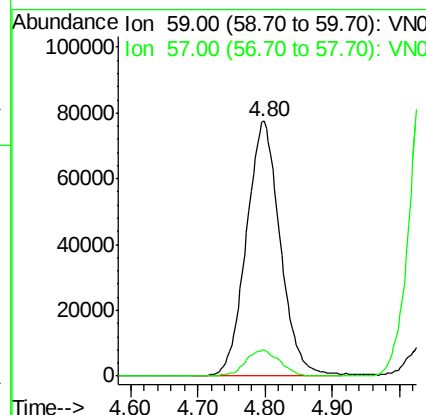
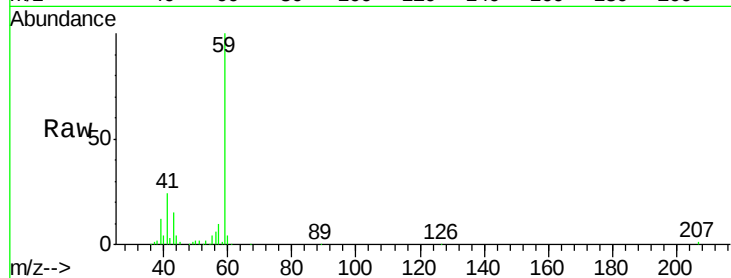
Tert butyl alcohol
Concen: 265.393 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
APPROVED

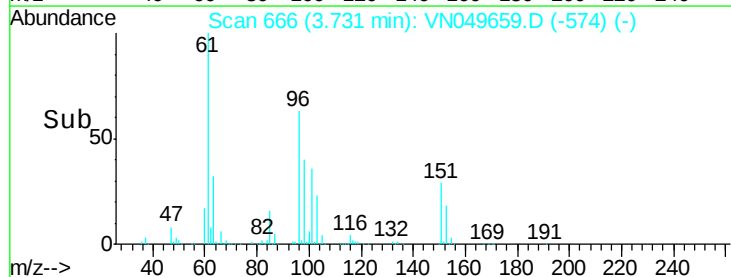
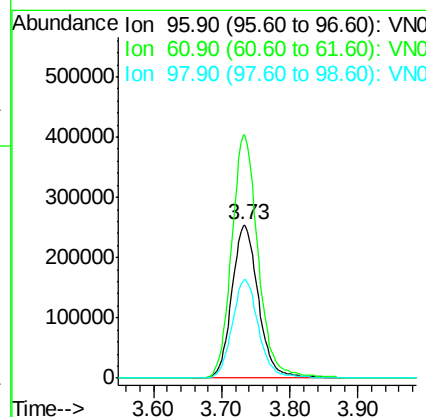
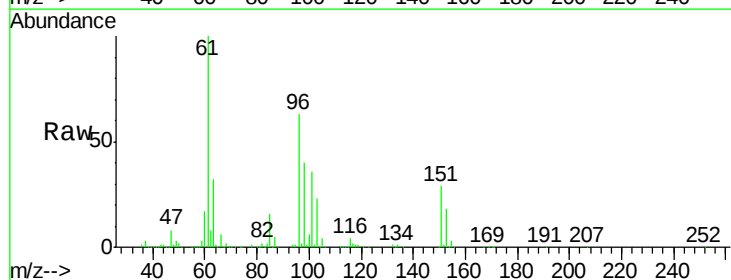
apatel
7/2/2018 4:17:59 PM

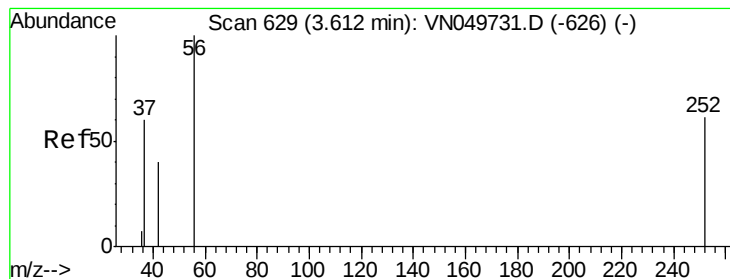


#12

1,1-Dichloroethene
Concen: 43.443 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	126.5	189.7
98	63.9	51.0	76.6





#13

Acrolein

Concen: 221.895 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 211474

Ion Ratio Lower Upper

56 100

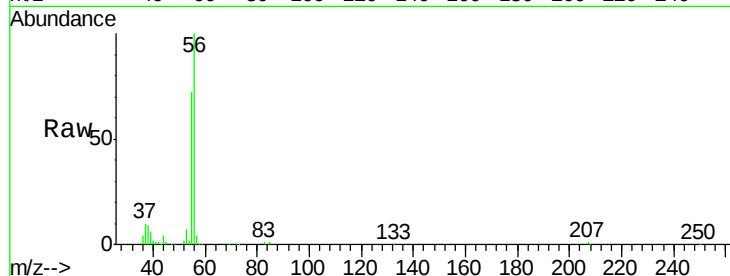
55 70.8 55.8 83.8

Manual Integrations

APPROVED

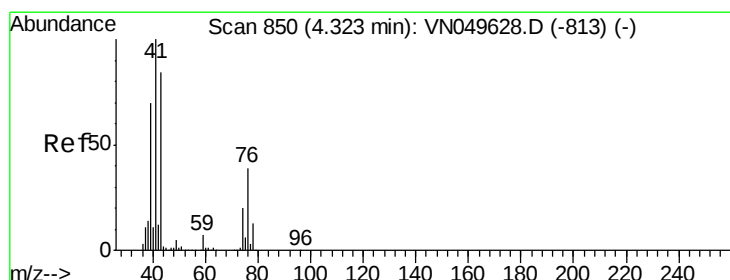
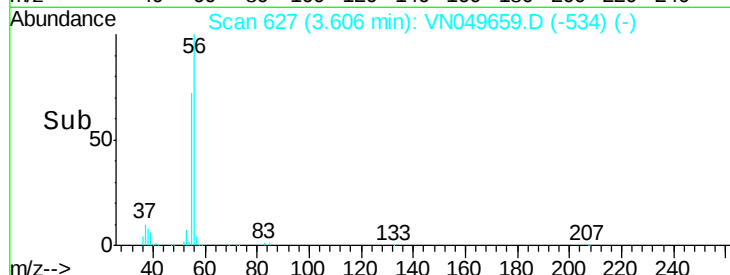
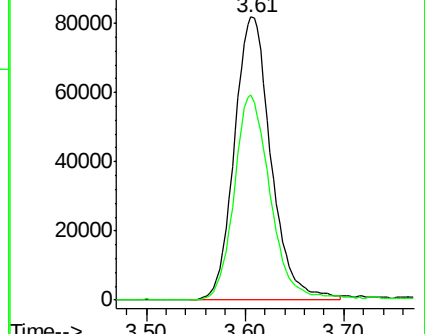
apatel

7/2/2018 4:17:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VN049731.D (-626) (-)

Ion 55.00 (54.70 to 55.70): VN049731.D (-626) (-)



#14

Allyl chloride

Concen: 45.283 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

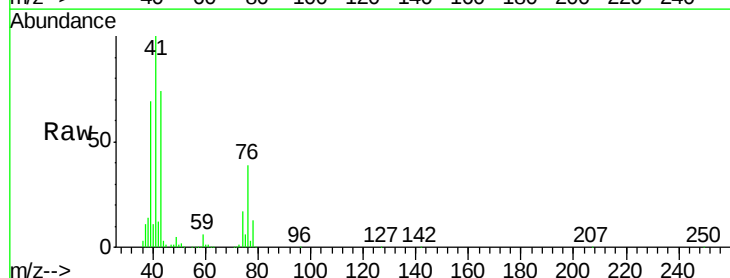
Tgt Ion: 41 Resp: 983630

Ion Ratio Lower Upper

41 100

39 66.4 53.2 79.8

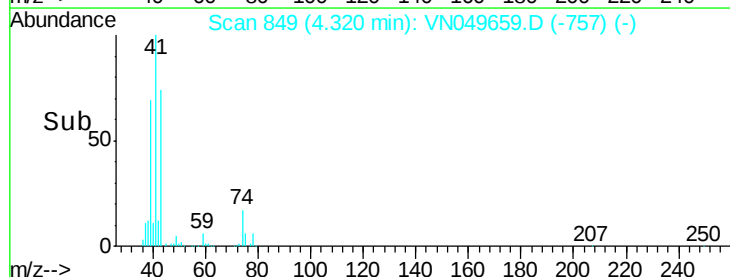
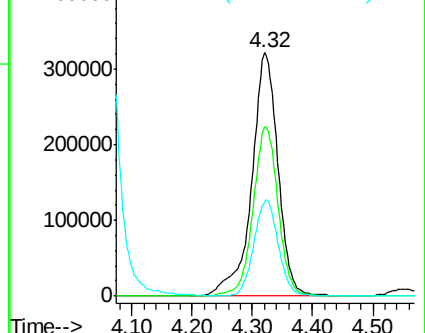
76 36.0 29.0 43.6

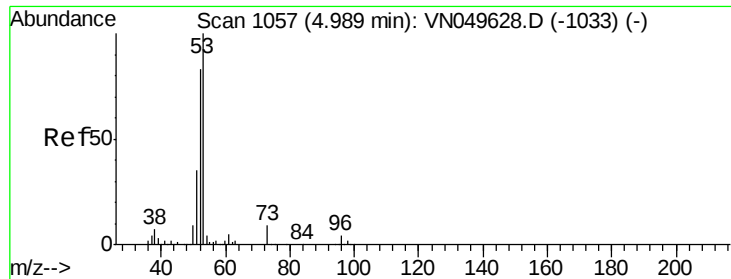


Abundance Ion 41.00 (40.70 to 41.70): VN049628.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VN049628.D (-813) (-)

Ion 75.90 (75.60 to 76.60): VN049628.D (-813) (-)





#15

Acrylonitrile

Concen: 248.943 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 1311842

Ion Ratio Lower Upper

53 100

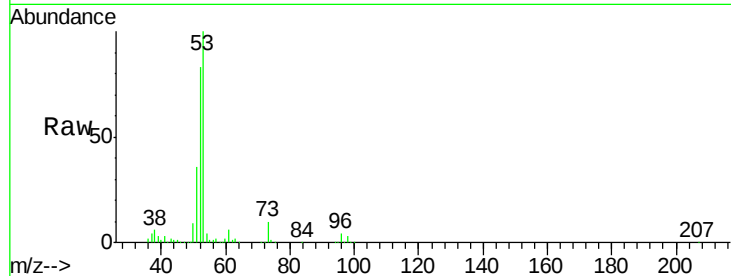
52 82.4 64.8 97.2

51 36.0 28.9 43.3

Manual Integrations
APPROVED

apatel

7/2/2018 4:17:59 PM



Abundance Ion 53.00 (52.70 to 53.70): VN049659.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN049659.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN049659.D (-964) (-)

4.99

300000

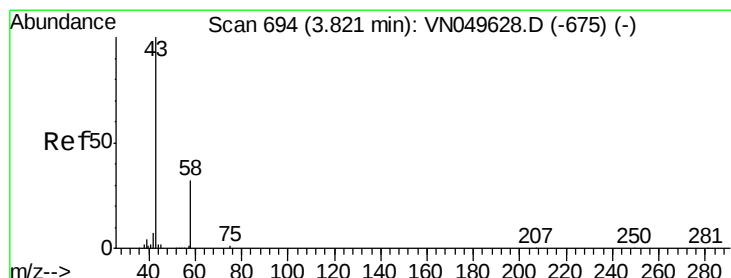
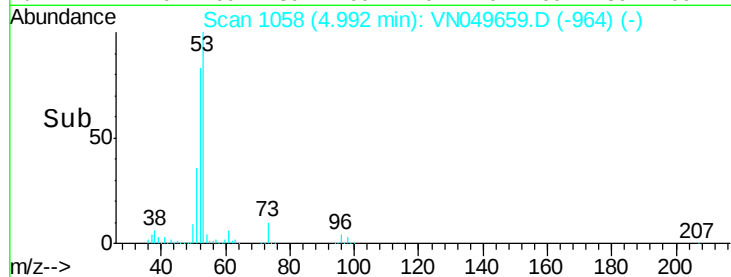
200000

100000

0

4.80 4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 264.993 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049659.D

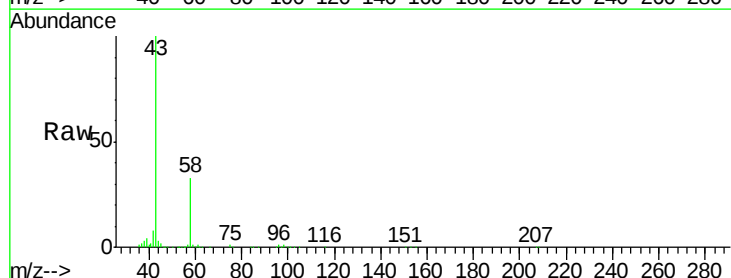
Acq: 30 Jun 2018 20:27

Tgt Ion: 43 Resp: 944506

Ion Ratio Lower Upper

43 100

58 33.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049659.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049659.D (-601) (-)

3.82

300000

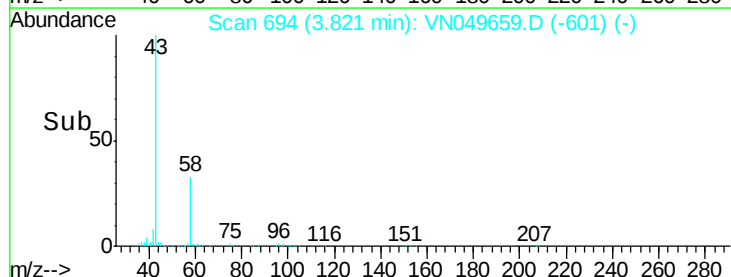
200000

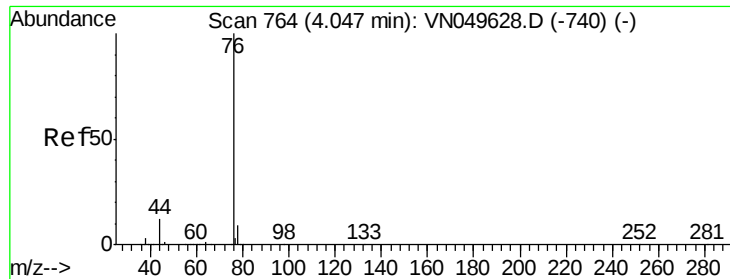
100000

0

3.70 3.80 3.90 4.00

Time-->





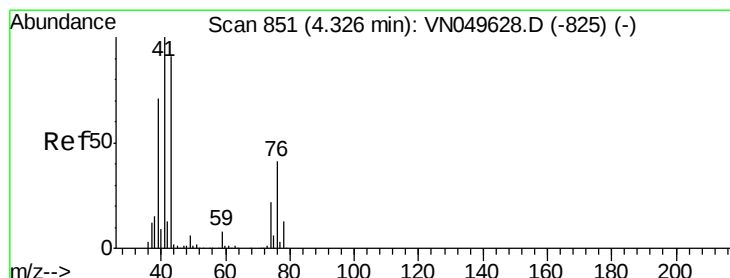
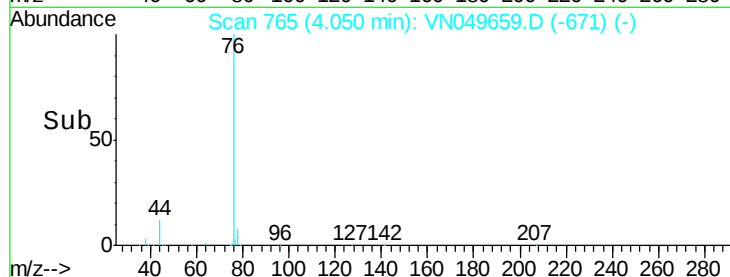
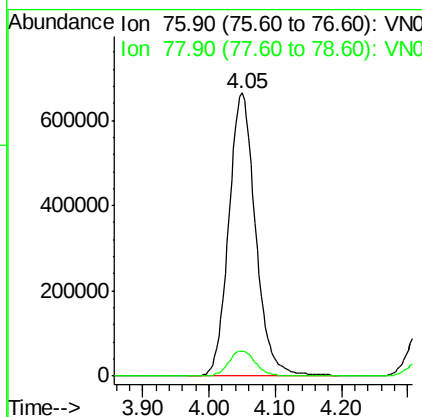
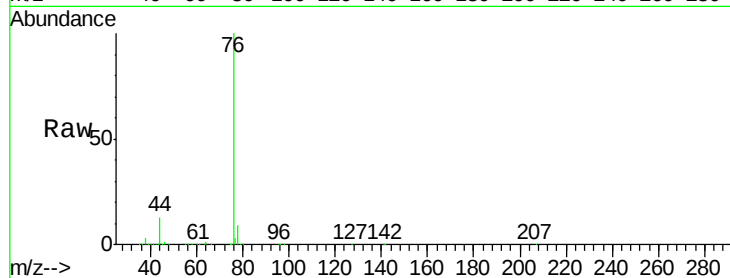
#17
Carbon Disulfide
Concen: 42.764 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1863556
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

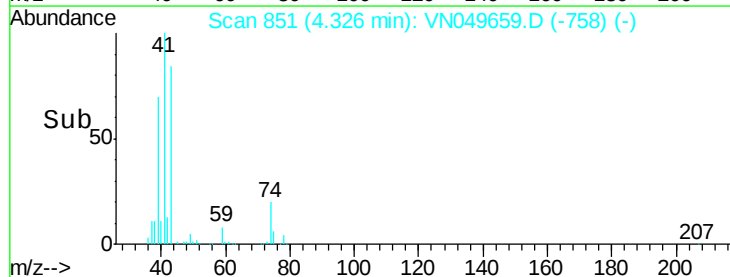
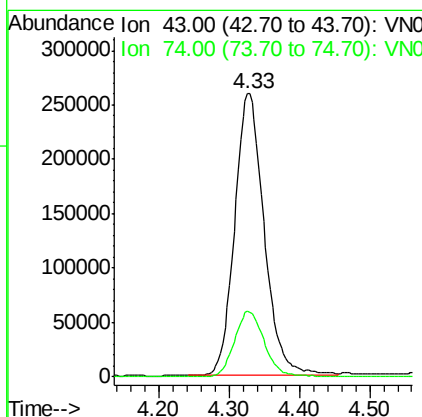
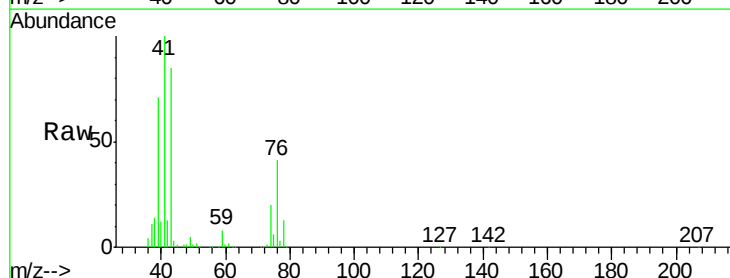
Manual Integrations
APPROVED

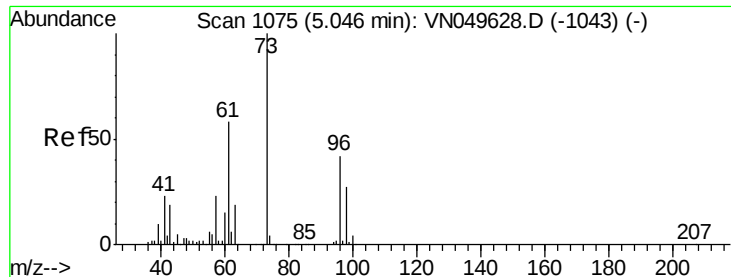
apatel
7/2/2018 4:17:59 PM



#18
Methyl Acetate
Concen: 48.006 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 43 Resp: 759709
Ion Ratio Lower Upper
43 100
74 23.7 19.8 29.8





#19

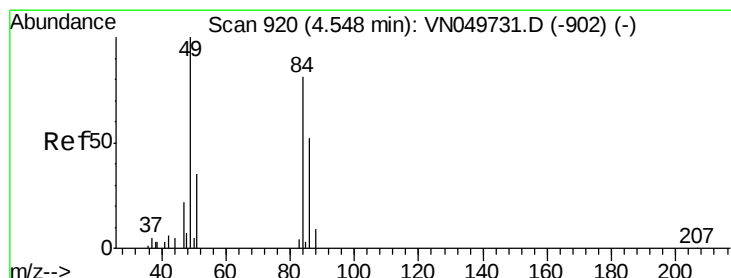
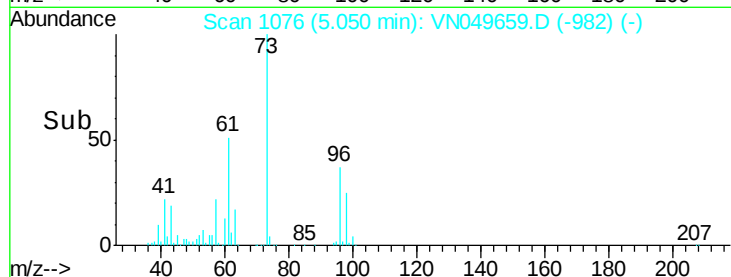
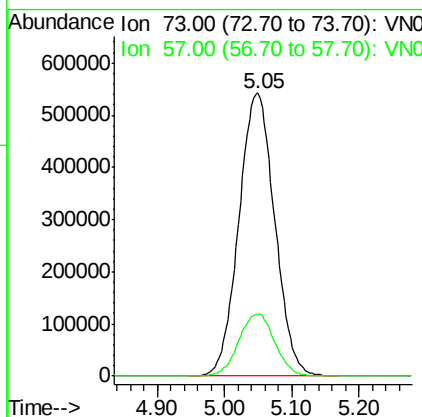
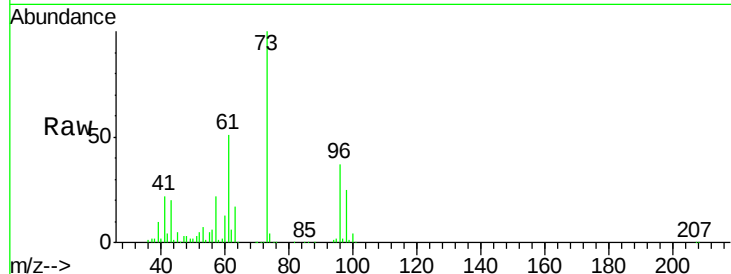
Methyl tert-butyl Ether
Concen: 49.192 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 2005345
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

Manual Integrations
APPROVED

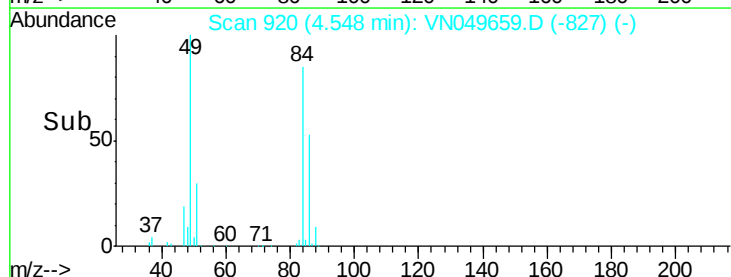
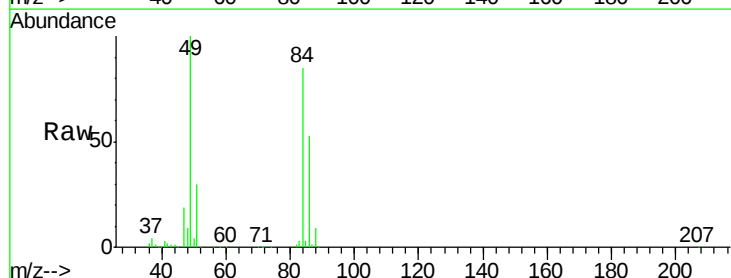
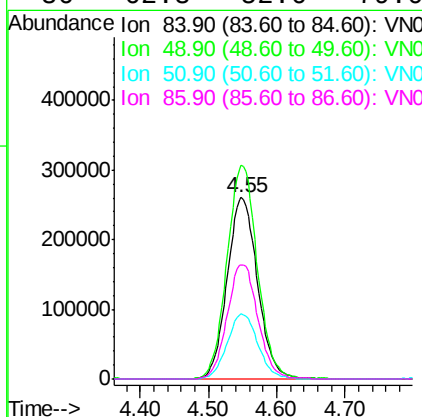
apatel
7/2/2018 4:17:59 PM

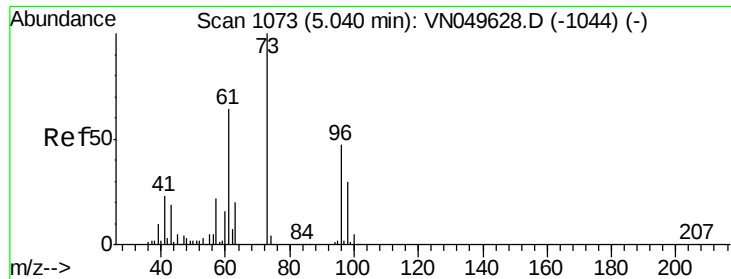


#20

Methylene Chloride
Concen: 44.036 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 84 Resp: 806255
Ion Ratio Lower Upper
84 100
49 117.5 95.4 143.2
51 35.7 28.4 42.6
86 62.8 52.6 79.0





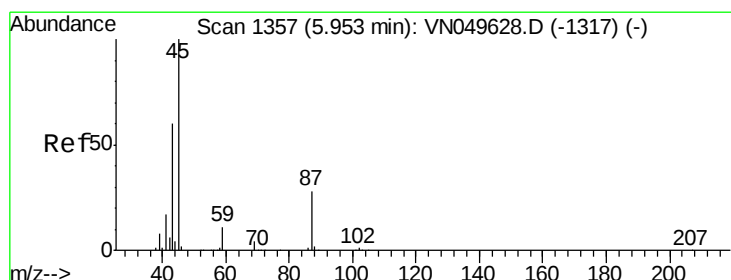
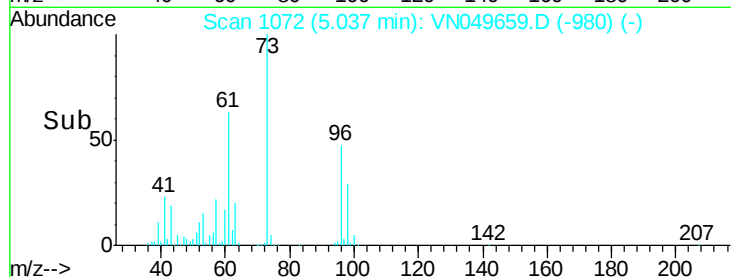
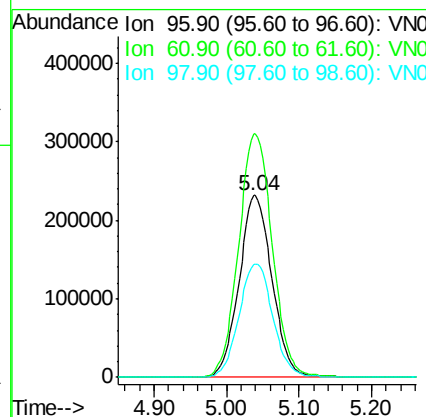
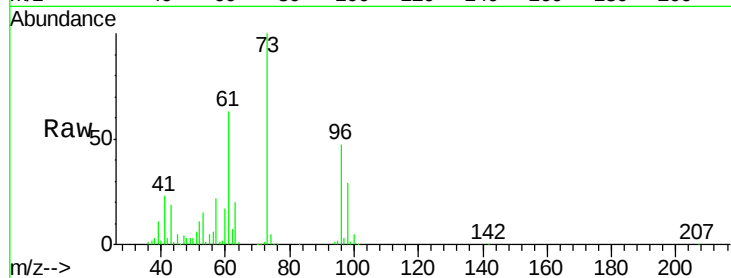
#21
trans-1,2-Dichloroethene
Concen: 44.998 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.6	109.0	163.6
98	61.9	51.1	76.7

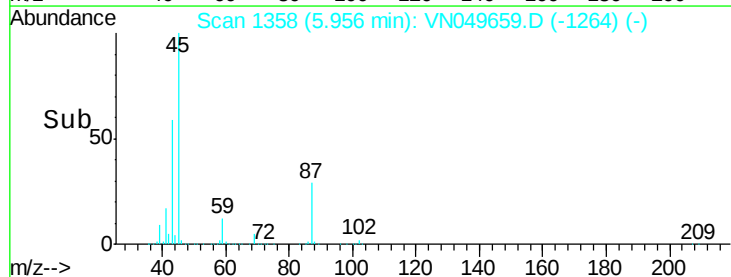
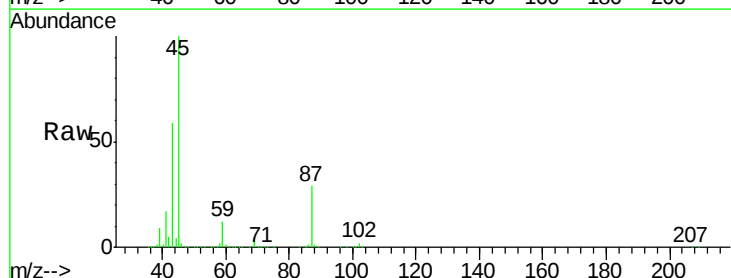
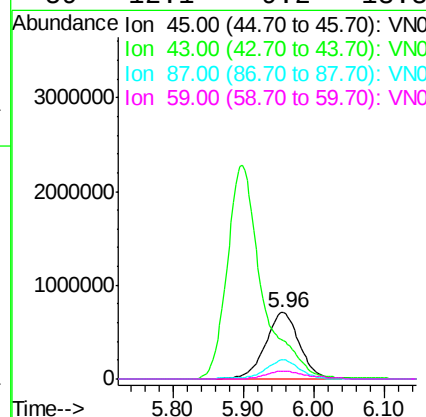
Manual Integrations
APPROVED

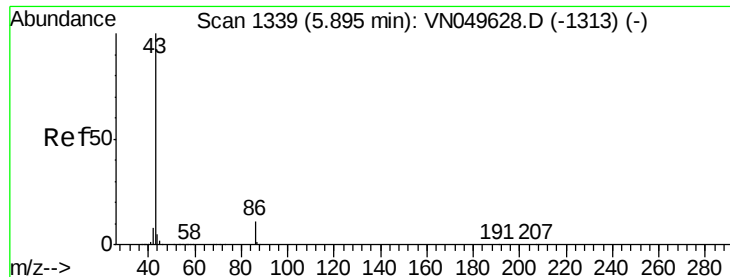
apatel
7/2/2018 4:17:59 PM



#22
Diisopropyl ether
Concen: 48.411 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	48.1	72.1
87	28.2	22.6	34.0
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 247.279 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 7880585

Ion Ratio Lower Upper

43 100

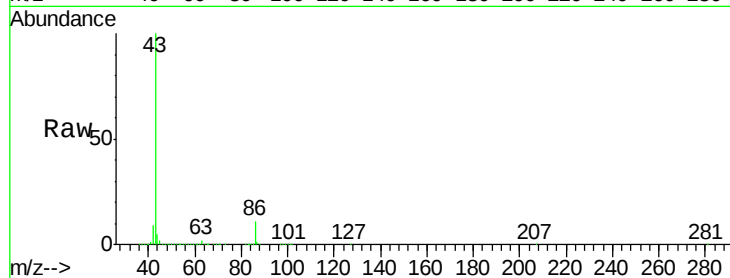
86 10.7 8.4 12.6

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

2500000

2000000

1500000

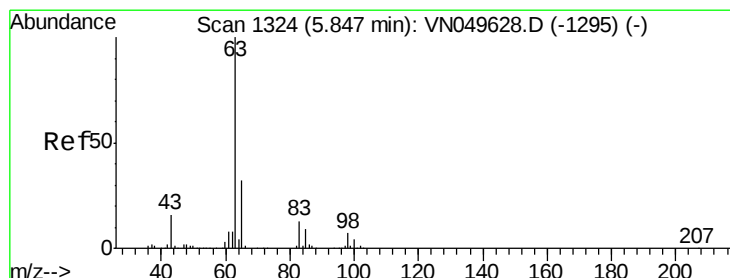
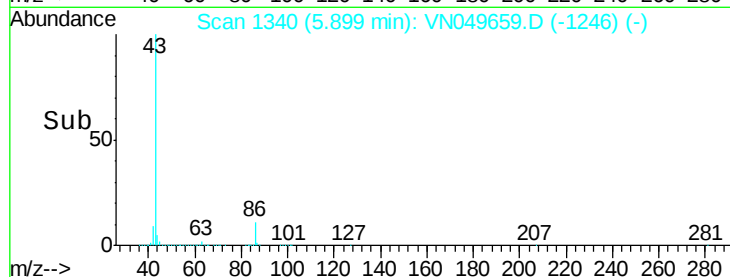
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 45.824 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

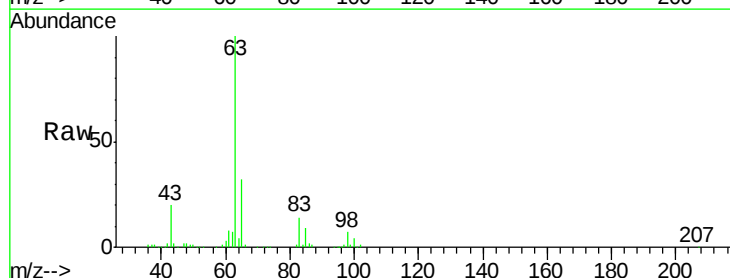
Tgt Ion: 63 Resp: 1418717

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

600000

500000

400000

300000

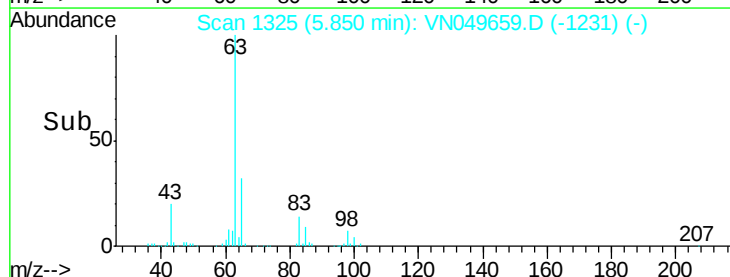
200000

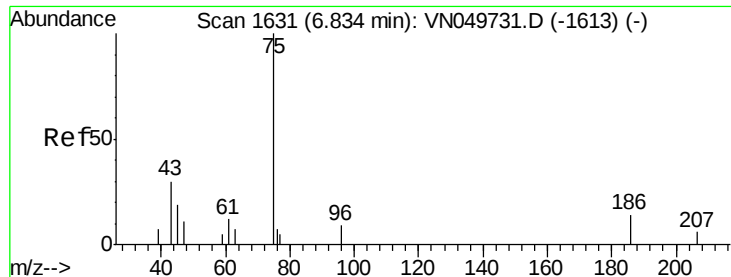
100000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 244.379 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1442479

Ion Ratio Lower Upper

43 100

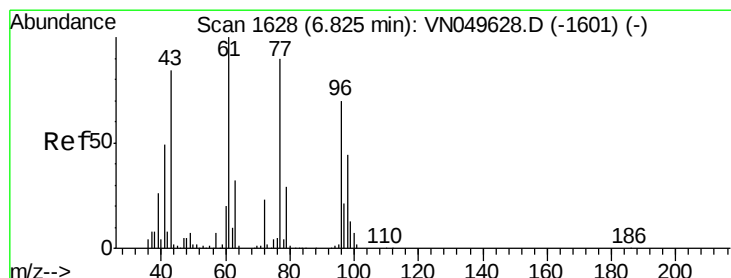
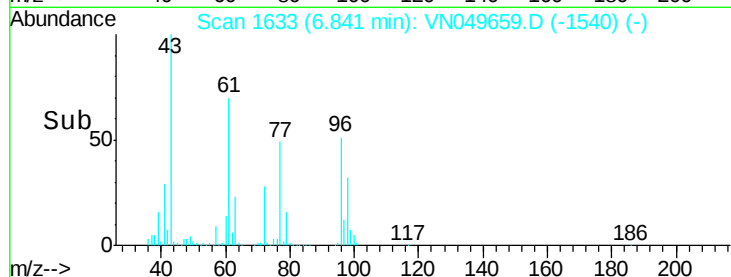
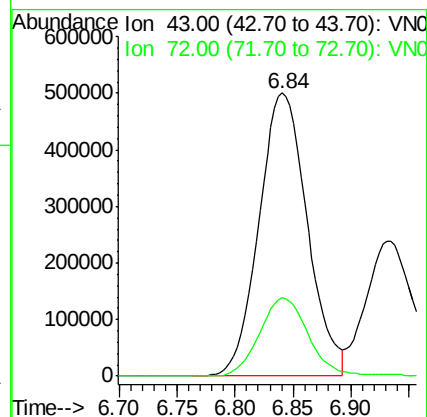
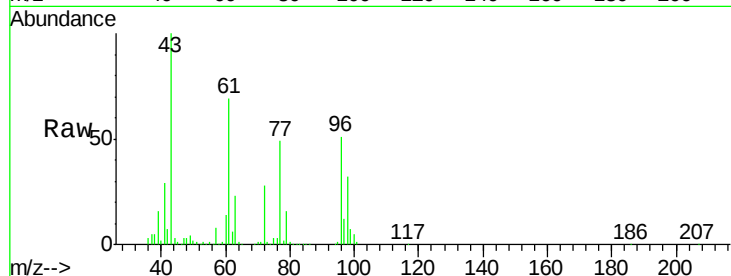
72 27.6 22.1 33.1

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:59 PM



#26

2,2-Dichloropropane

Concen: 39.861 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049659.D

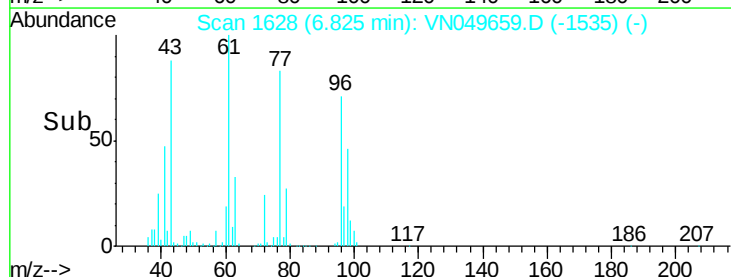
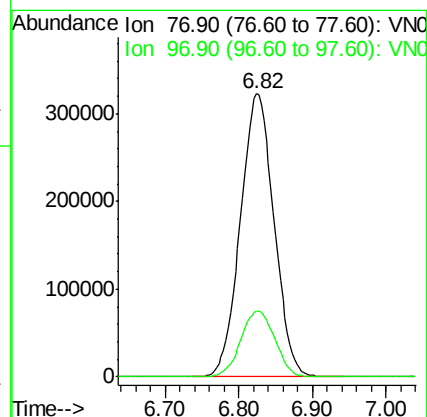
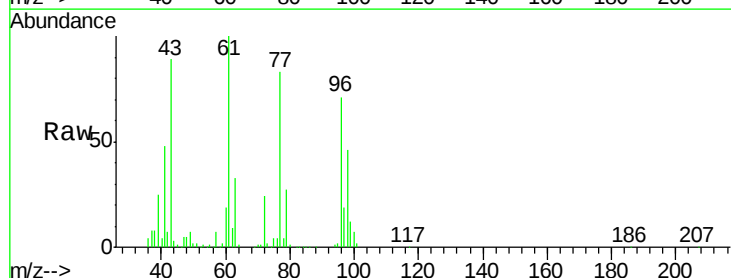
Acq: 30 Jun 2018 20:27

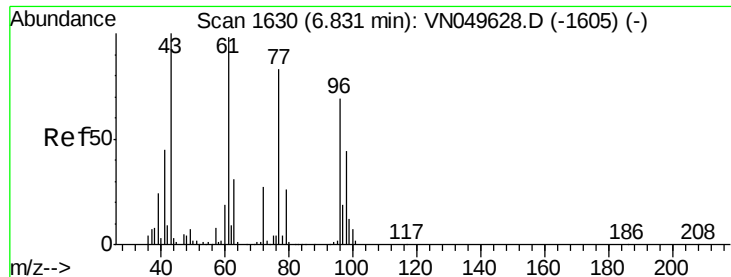
Tgt Ion: 77 Resp: 1024976

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.483 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

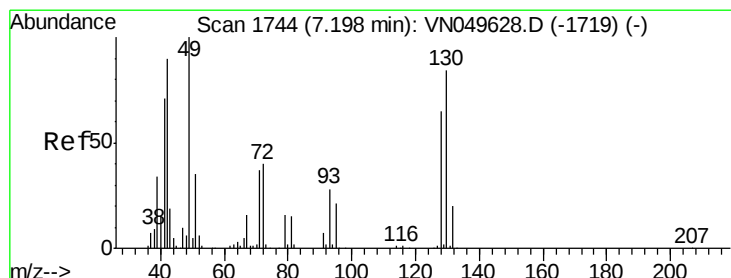
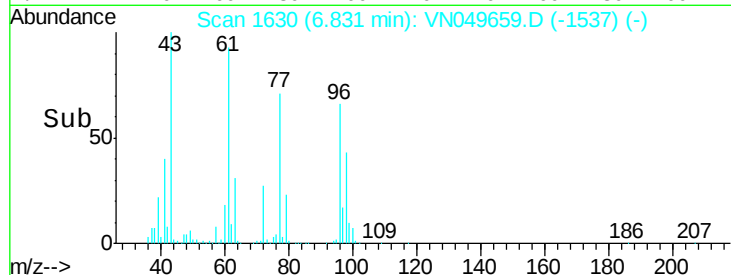
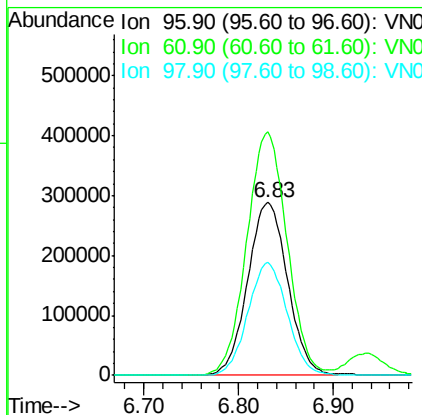
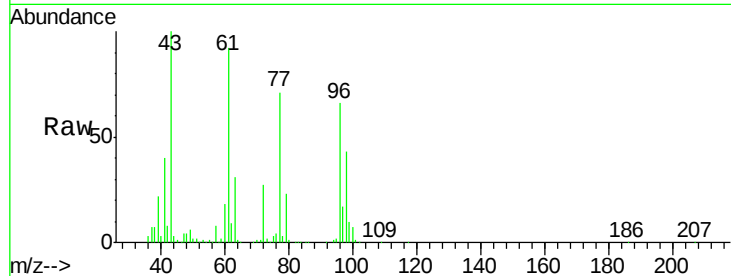
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	845063
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	289.0
98	64.6	0.0	130.2

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#28

Bromochloromethane

Concen: 49.328 ug/l

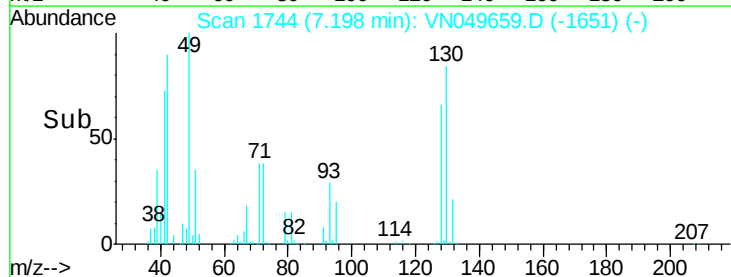
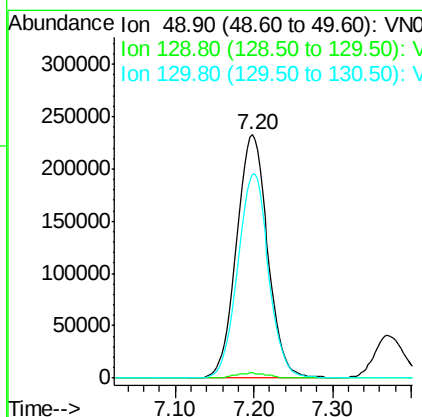
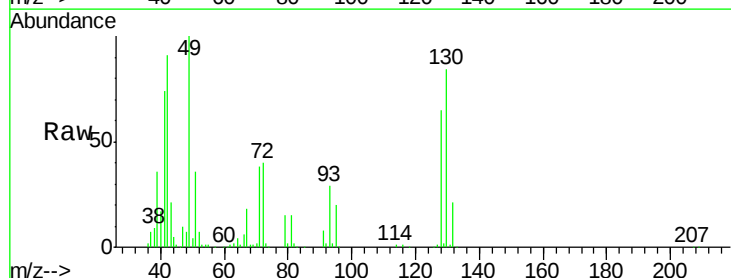
RT: 7.20 min Scan# 1744

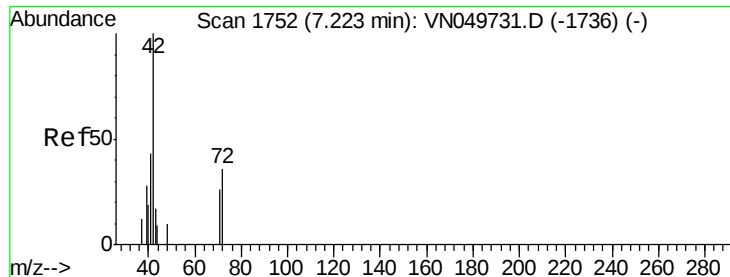
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion:	49	Resp:	648180
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.1	65.5	98.3





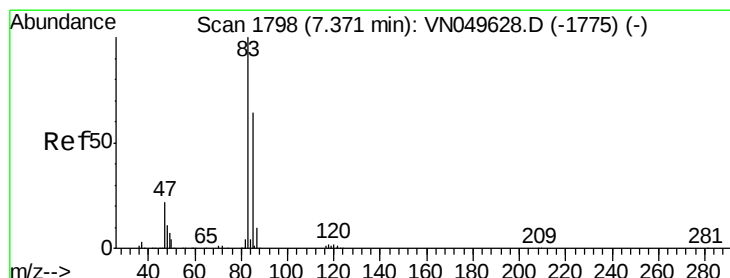
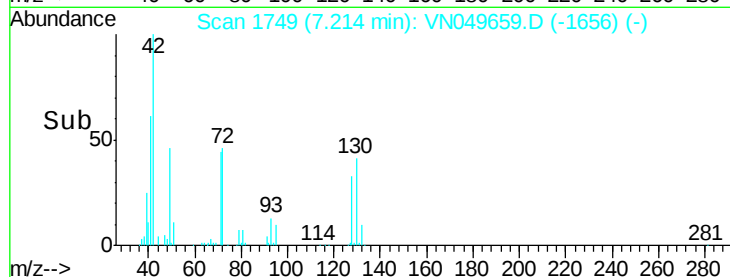
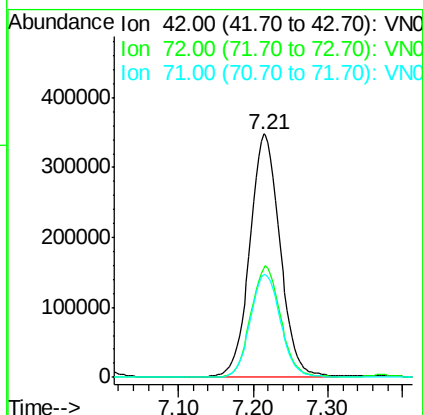
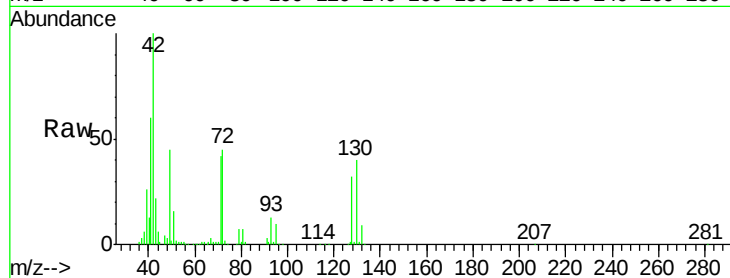
#29
Tetrahydrofuran
Concen: 260.084 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	42.5	34.0	51.0

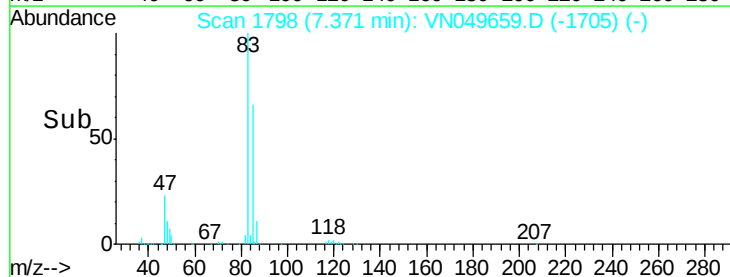
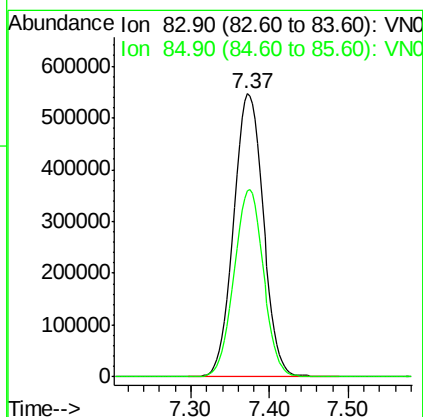
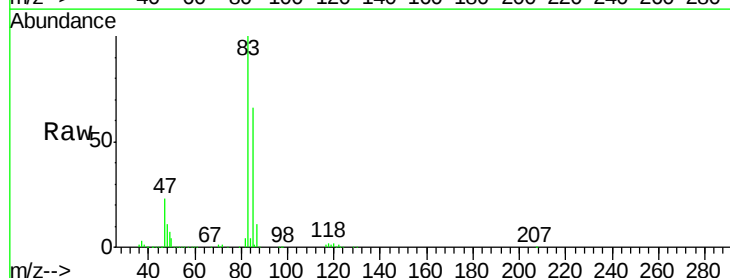
Manual Integrations
APPROVED

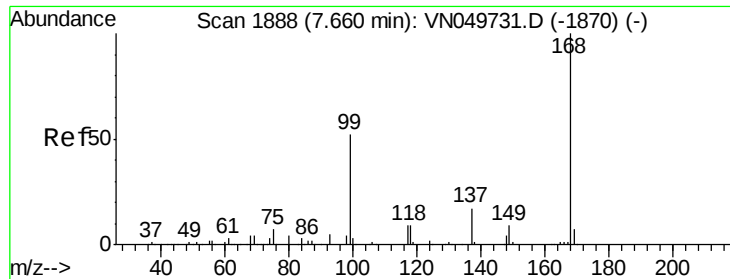
apatel
7/2/2018 4:17:59 PM



#30
Chloroform
Concen: 45.820 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





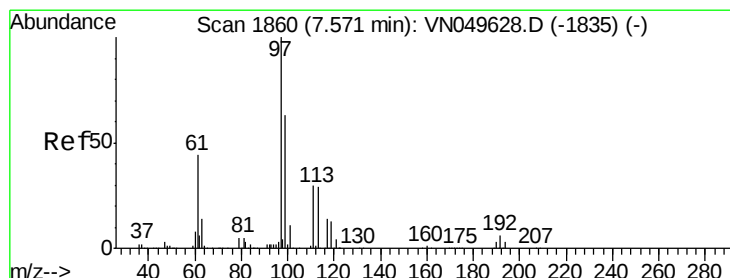
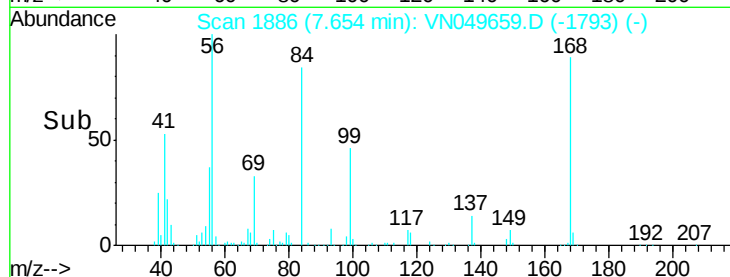
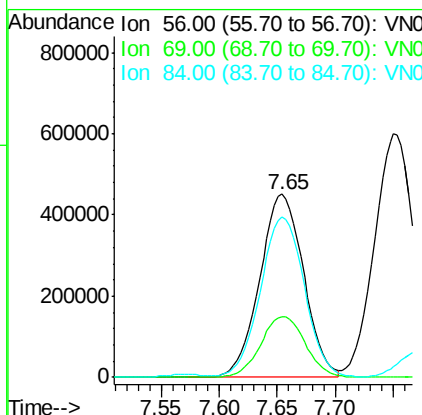
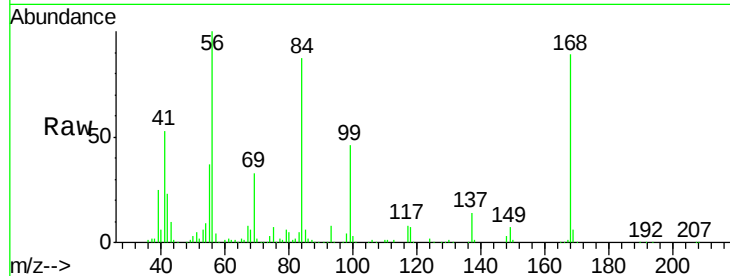
#31
Cyclohexane
Concen: 44.626 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 1186448
Ion Ratio Lower Upper
56 100
69 33.1 26.6 40.0
84 85.7 69.0 103.6

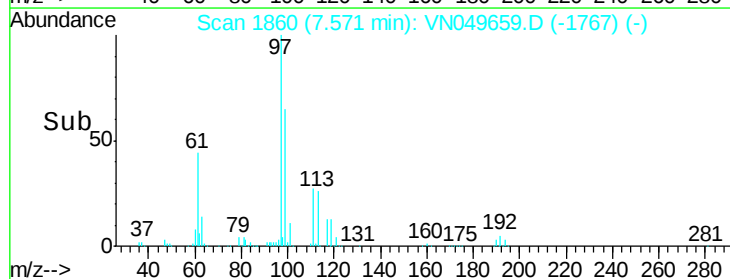
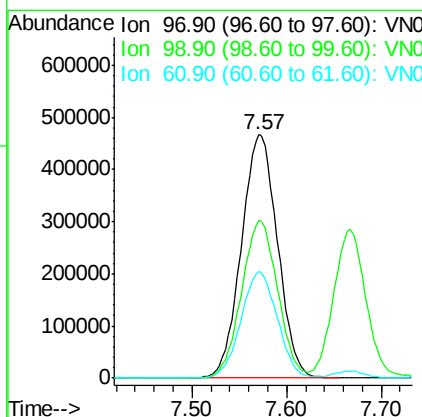
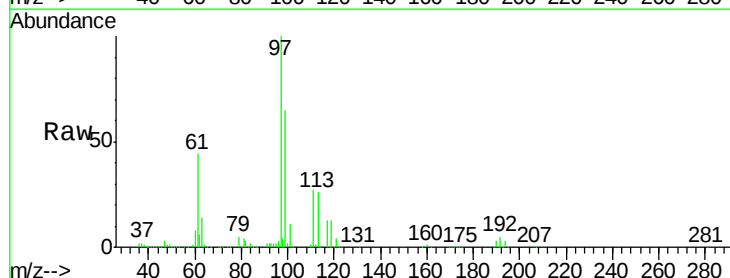
Manual Integrations
APPROVED

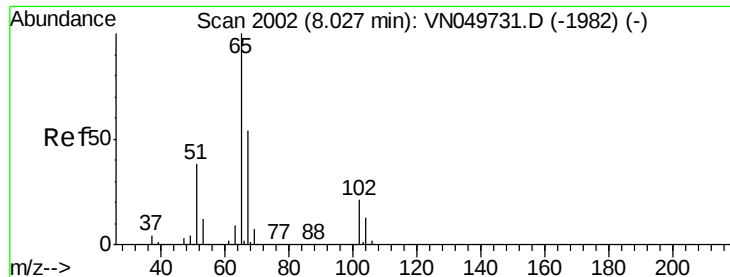
apatel
7/2/2018 4:17:59 PM



#32
1,1,1-Trichloroethane
Concen: 46.390 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 97 Resp: 1239544
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 43.9 35.5 53.3





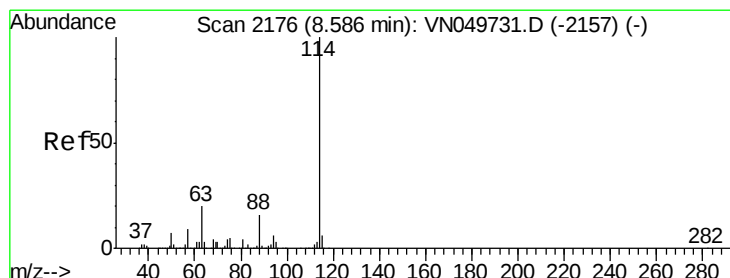
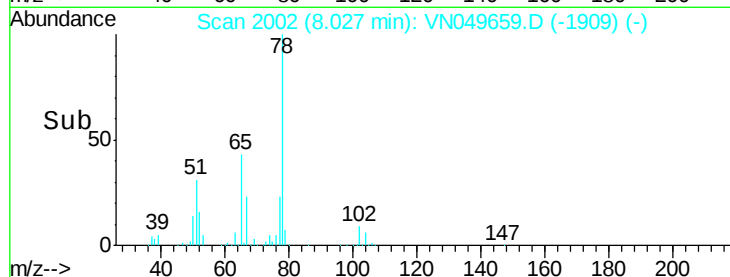
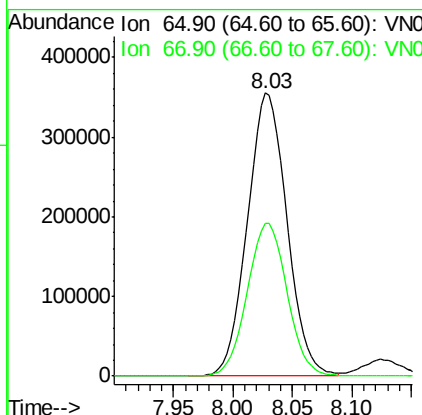
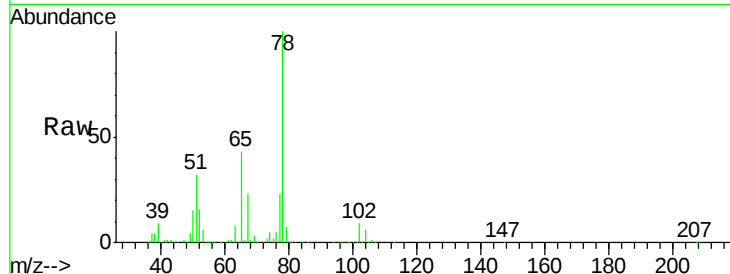
#33
 1,2-Dichloroethane-d4
 Concen: 46.137 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	820329		
67	54.5	0.0	107.2	

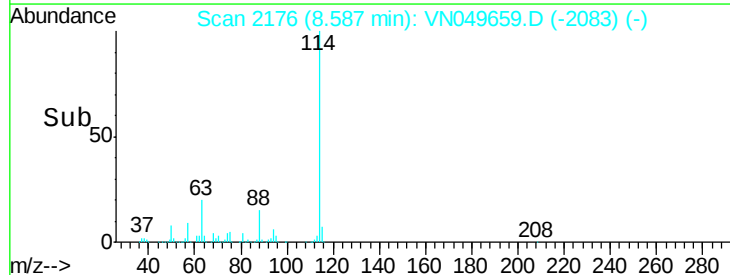
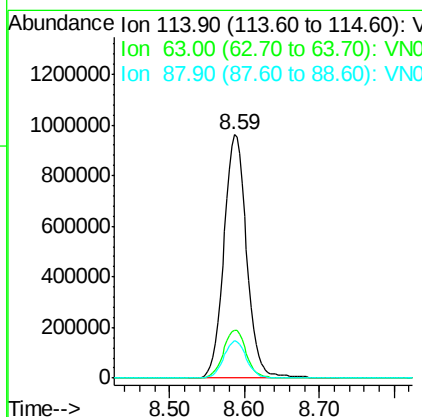
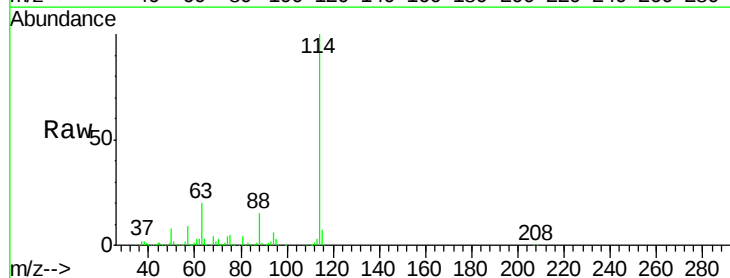
Manual Integrations
 APPROVED

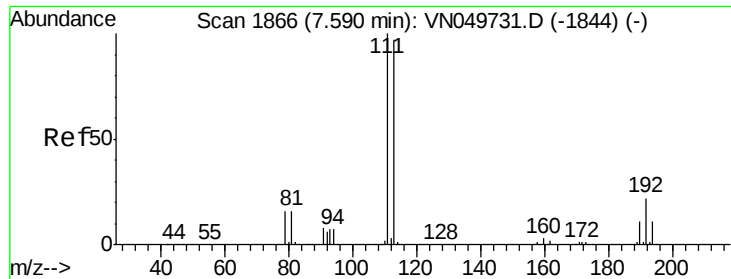
apatel
 7/2/2018 4:17:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2023409		
63	19.8	0.0	39.8	
88	15.2	0.0	30.6	





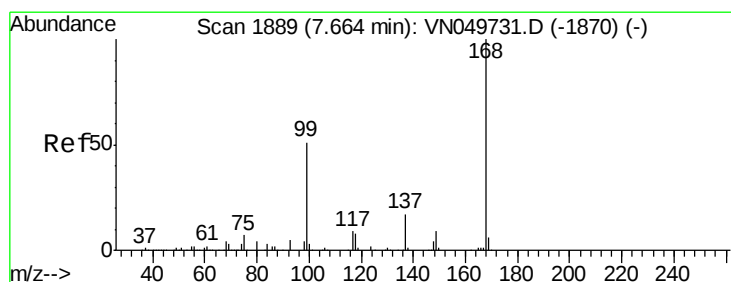
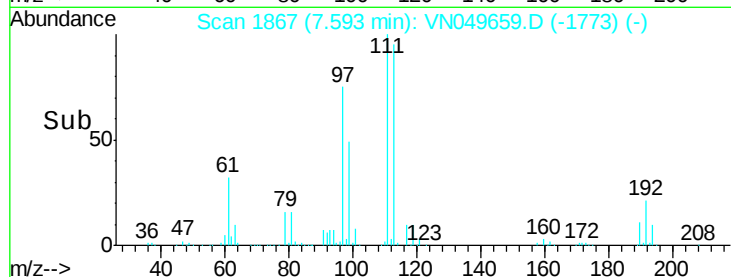
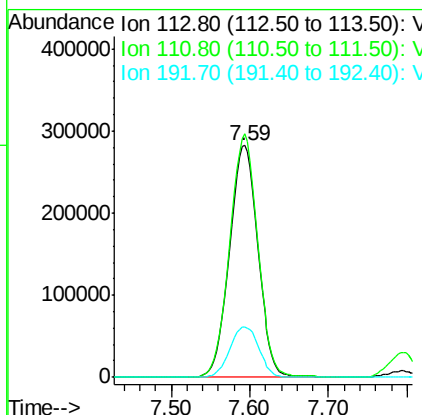
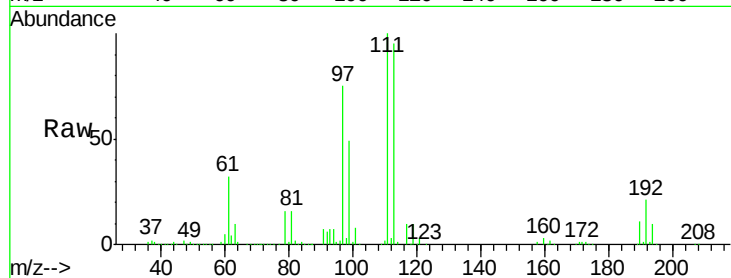
#35
 Dibromofluoromethane
 Concen: 47.065 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	711956		
111	103.0	81.8	122.8	
192	22.3	17.8	26.6	

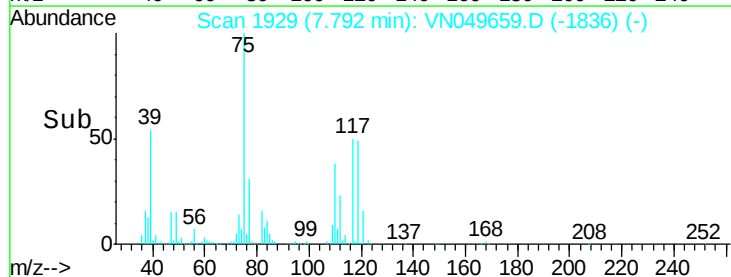
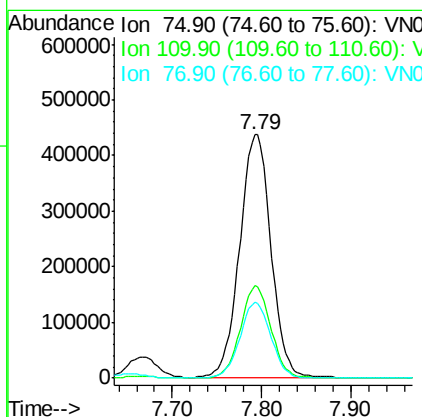
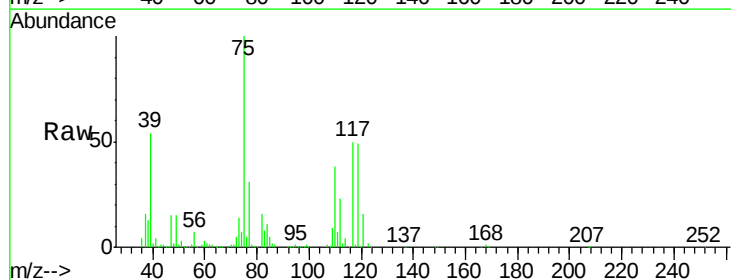
Manual Integrations
 APPROVED

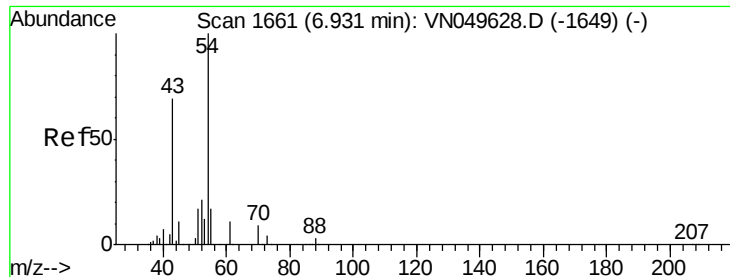
apatel
 7/2/2018 4:17:59 PM



#36
 1,1-Dichloropropene
 Concen: 46.591 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1060616		
110	37.2	18.1	54.4	
77	31.0	24.9	37.3	





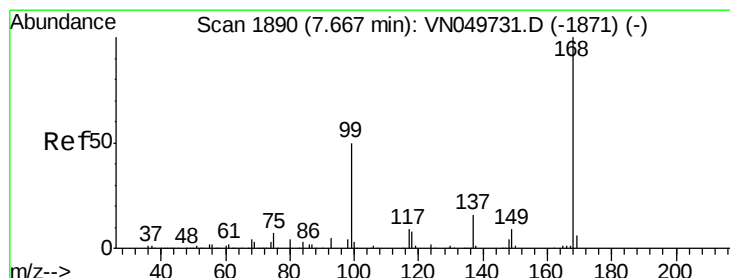
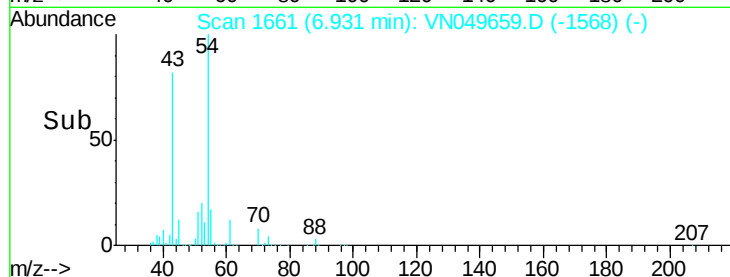
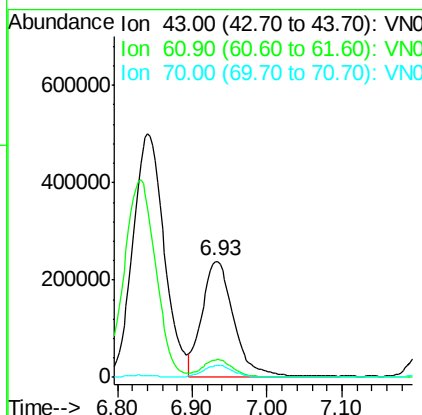
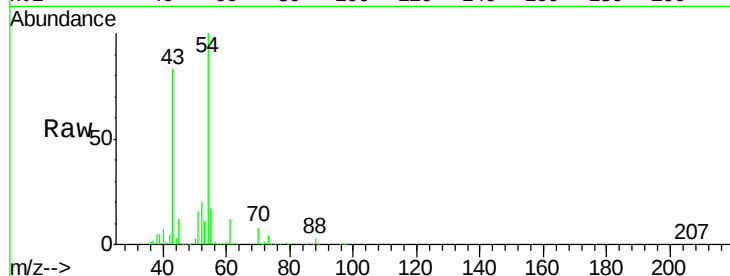
#37
Ethyl Acetate
Concen: 52.350 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	9.9	8.4	12.6

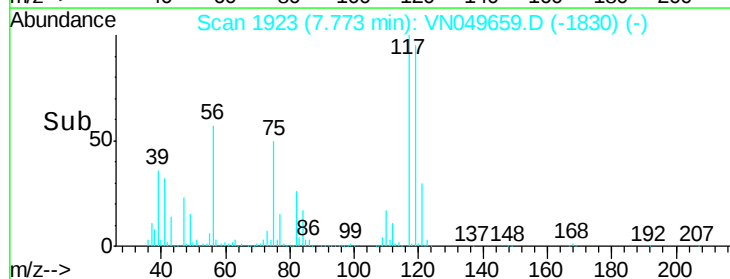
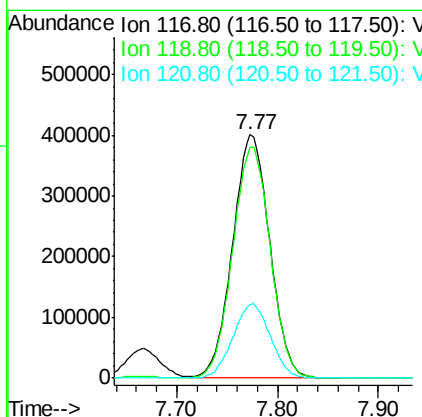
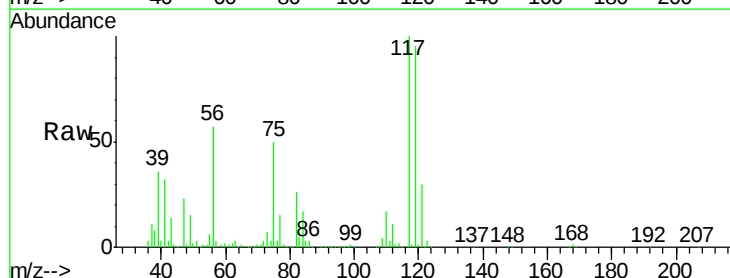
Manual Integrations
APPROVED

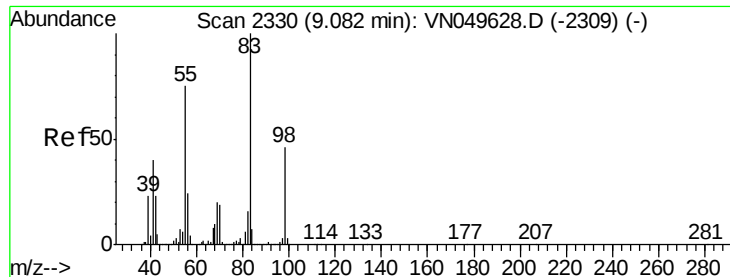
apatel
7/2/2018 4:17:59 PM



#38
Carbon Tetrachloride
Concen: 46.133 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.2	115.8
121	30.3	25.0	37.6





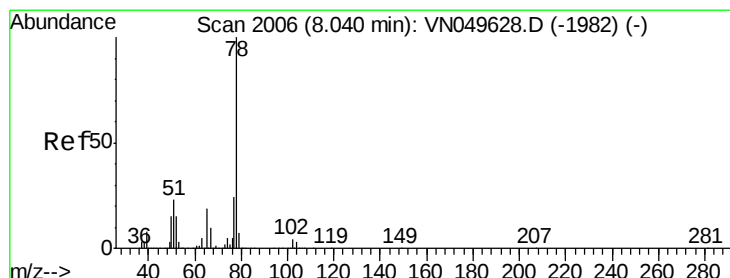
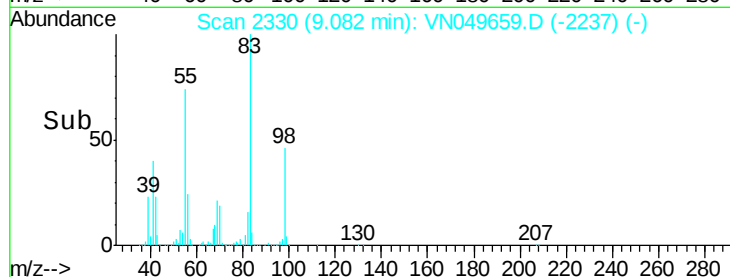
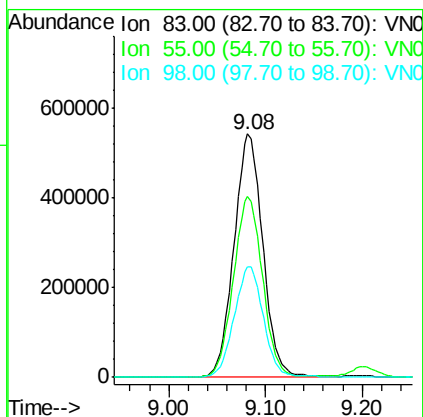
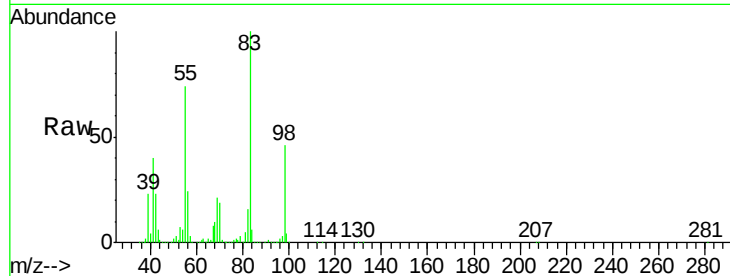
#39
Methylcyclohexane
Concen: 45.236 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 1129049
Ion Ratio Lower Upper
83 100
55 74.3 59.7 89.5
98 45.6 36.5 54.7

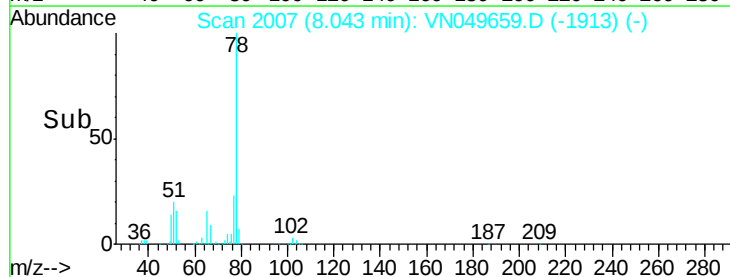
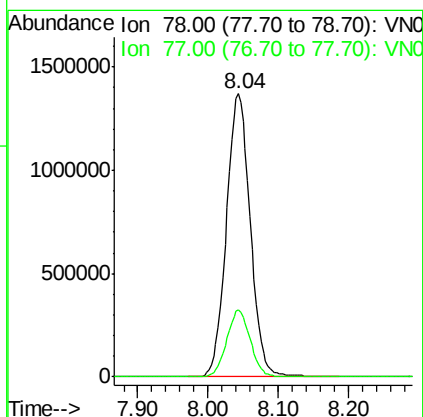
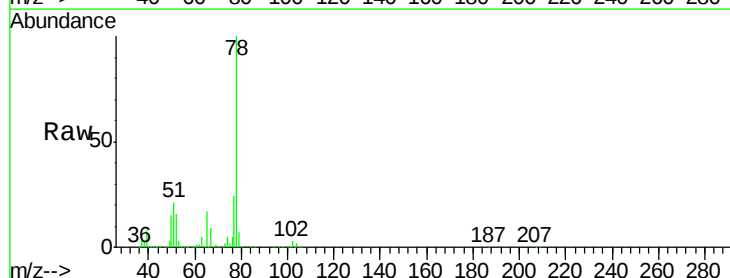
Manual Integrations
APPROVED

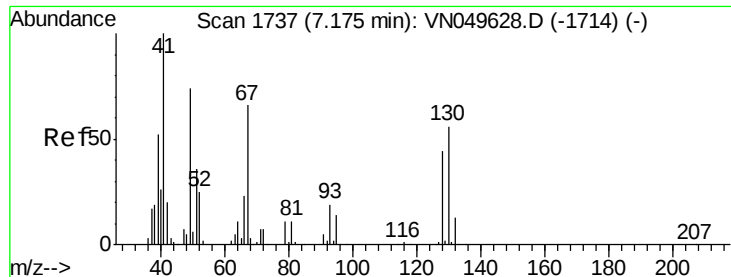
apatel
7/2/2018 4:17:59 PM



#40
Benzene
Concen: 46.658 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 78 Resp: 3243255
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





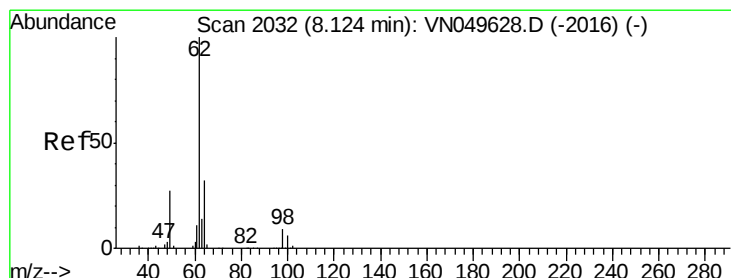
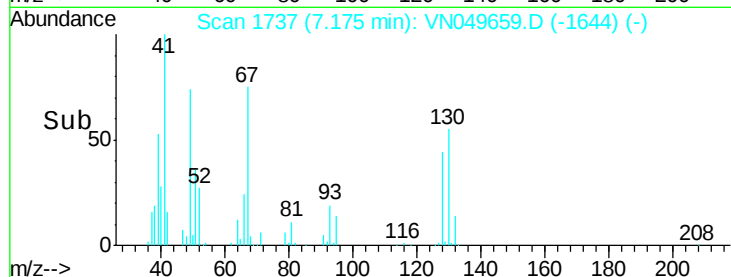
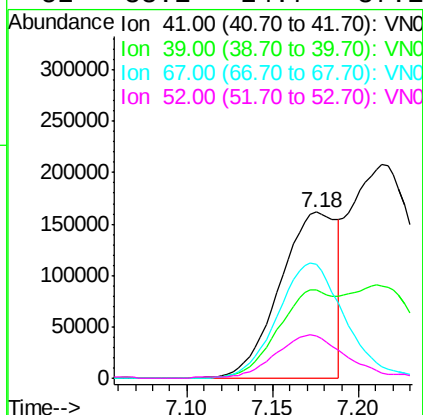
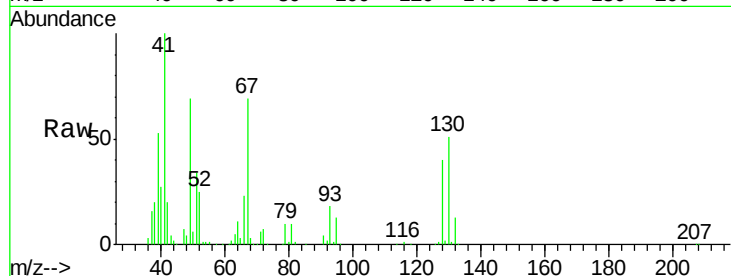
#41
Methacrylonitrile
Concen: 49.346 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.7	45.4	68.2
67	83.1	65.4	98.0
52	33.1	24.7	37.1

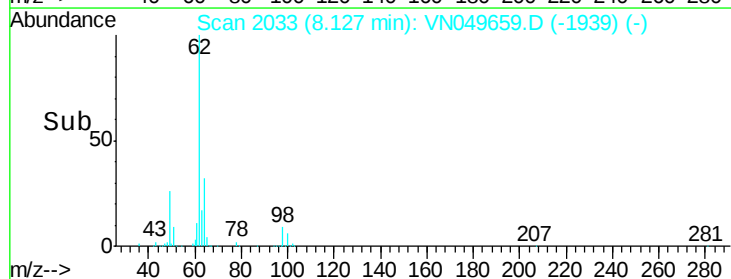
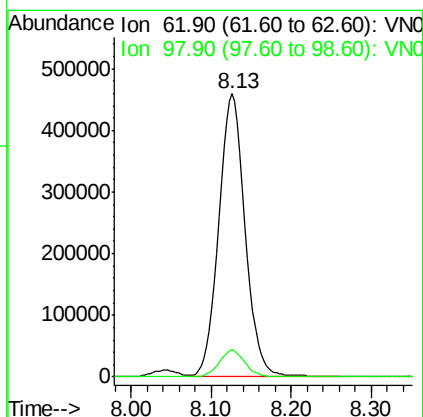
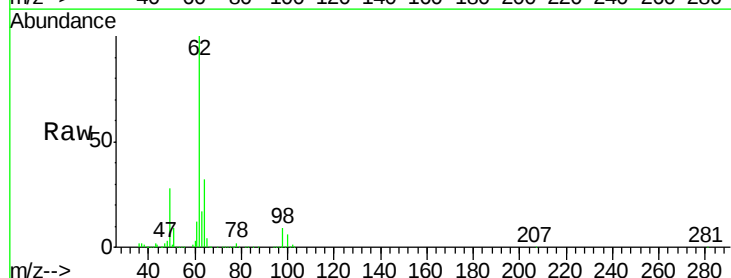
Manual Integrations
APPROVED

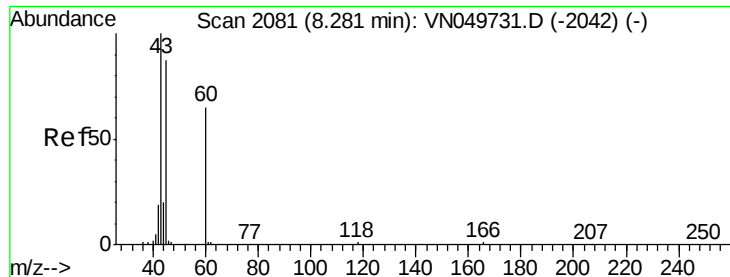
apatel
7/2/2018 4:17:59 PM



#42
1,2-Dichloroethane
Concen: 47.035 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 49.129 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1295506

Ion Ratio Lower Upper

43 100

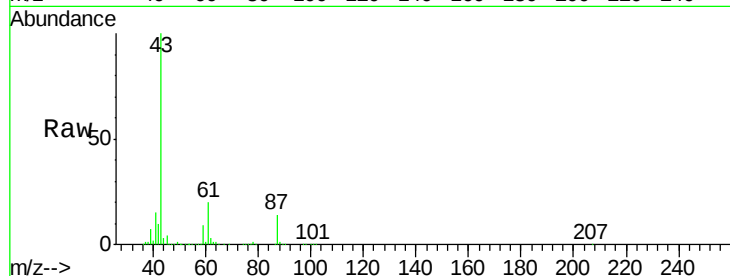
61 19.0 14.9 22.3

87 12.8 10.0 15.0

Manual Integrations
APPROVED

apatel

7/2/2018 4:17:59 PM

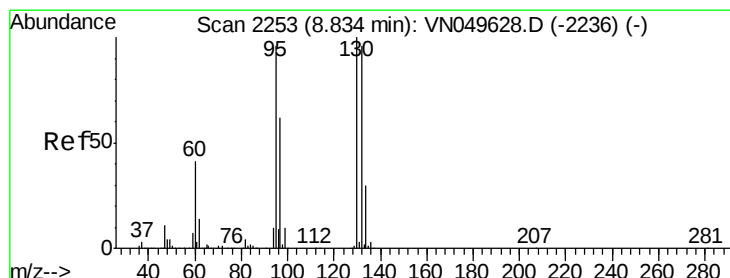
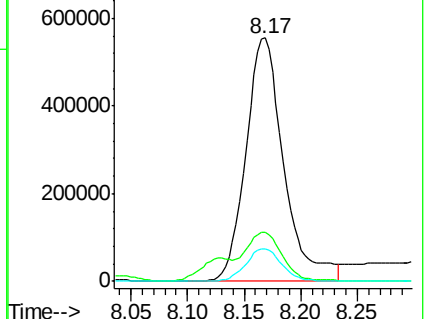
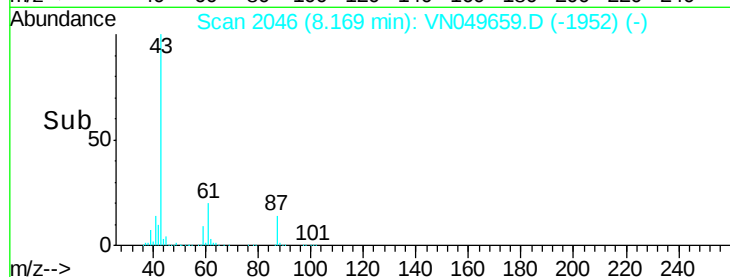


Abundance Ion 43.00 (42.70 to 43.70): VN049731.D (-2042) (-)

Ion 61.00 (60.70 to 61.70): VN049731.D (-2042) (-)

Ion 87.00 (86.70 to 87.70): VN049731.D (-2042) (-)

Time-->



#44

Trichloroethene

Concen: 44.197 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049659.D

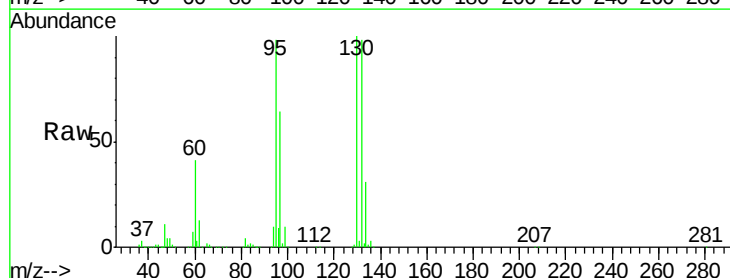
Acq: 30 Jun 2018 20:27

Tgt Ion: 130 Resp: 926498

Ion Ratio Lower Upper

130 100

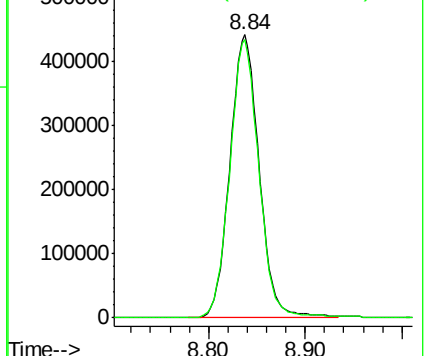
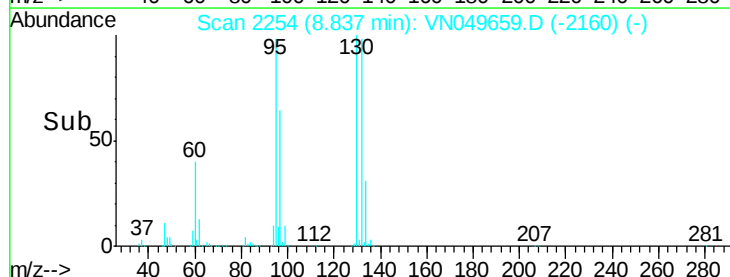
95 98.5 0.0 192.8

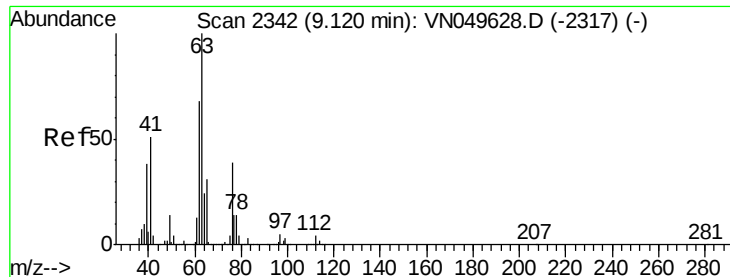


Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)

Time-->





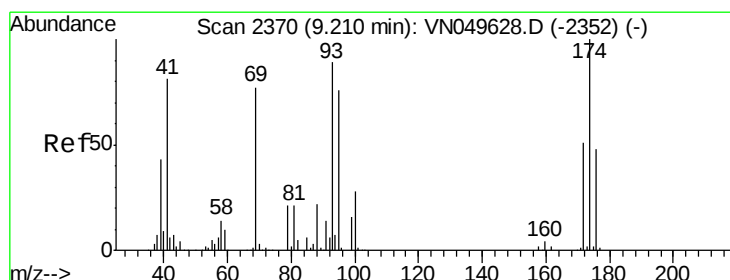
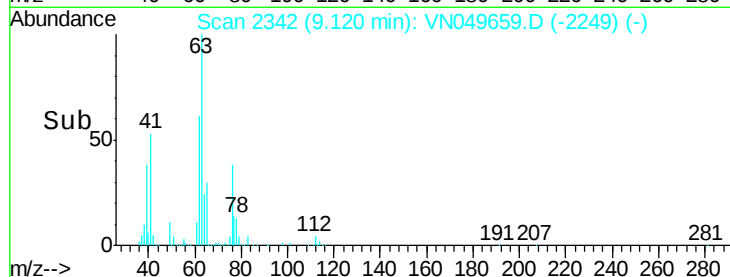
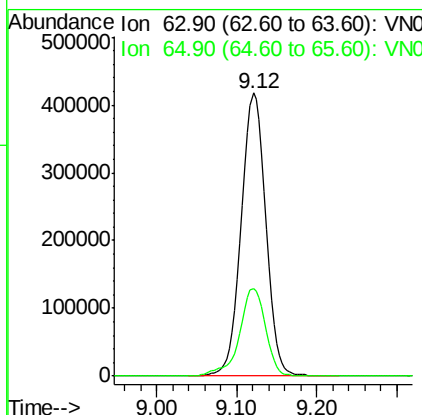
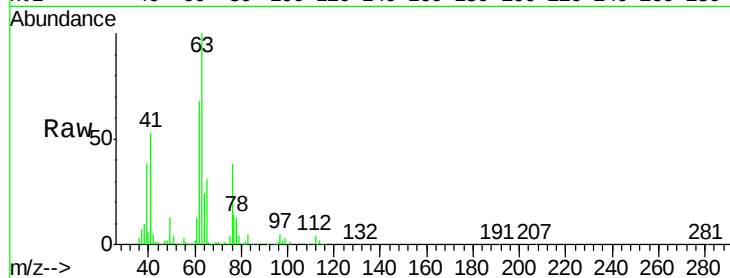
#45
1,2-Dichloropropane
Concen: 48.015 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 862294
Ion Ratio Lower Upper
63 100
65 31.1 24.7 37.1

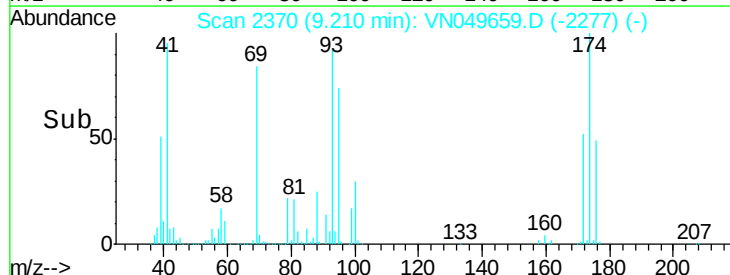
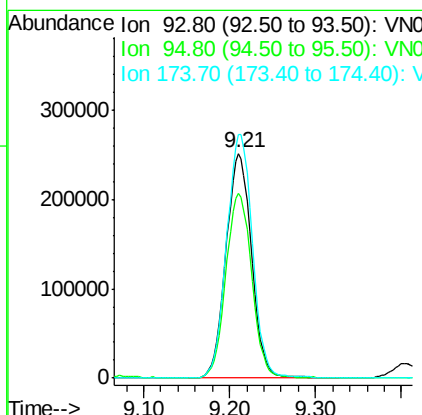
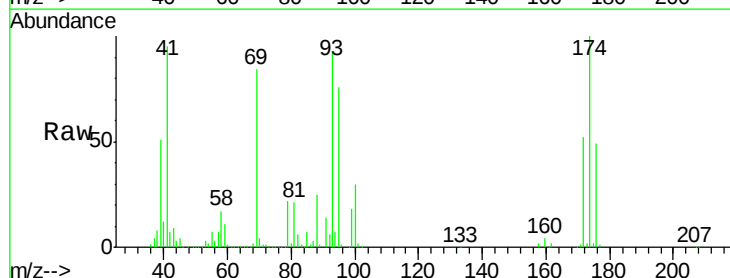
Manual Integrations
APPROVED

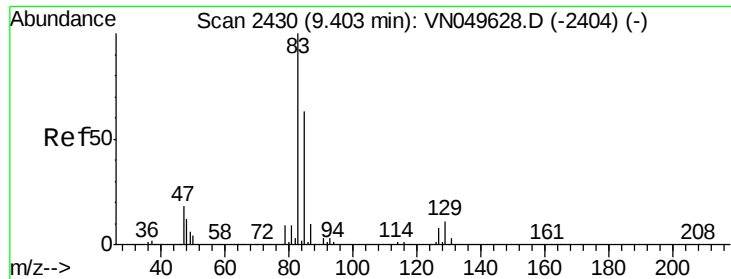
apatel
7/2/2018 4:17:59 PM



#46
Dibromomethane
Concen: 47.926 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 93 Resp: 520703
Ion Ratio Lower Upper
93 100
95 83.1 67.9 101.9
174 108.8 89.4 134.0





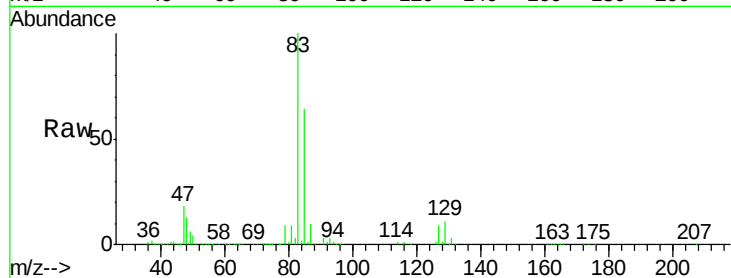
#47
Bromodichloromethane
Concen: 47.641 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

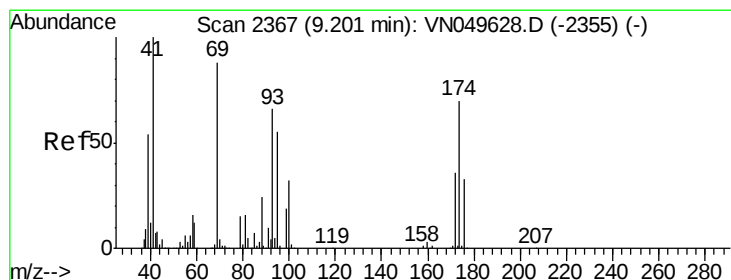
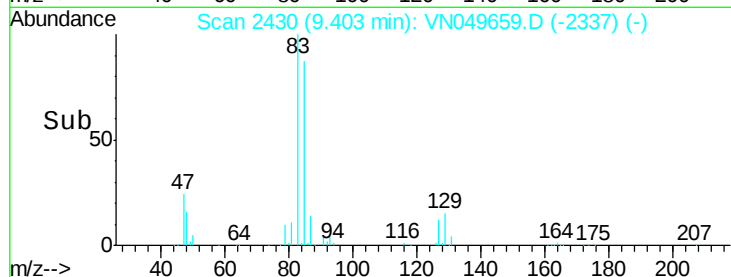
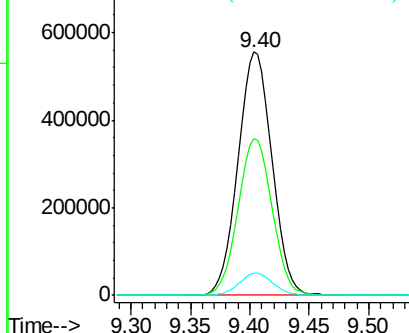
Tgt Ion: 83 Resp: 1101864
Ion Ratio Lower Upper
83 100
85 64.4 50.5 75.7
127 8.9 6.8 10.2

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM

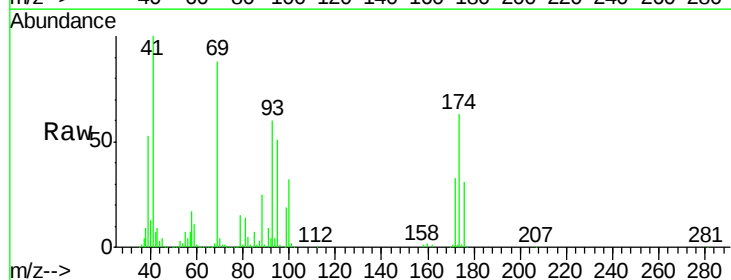


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

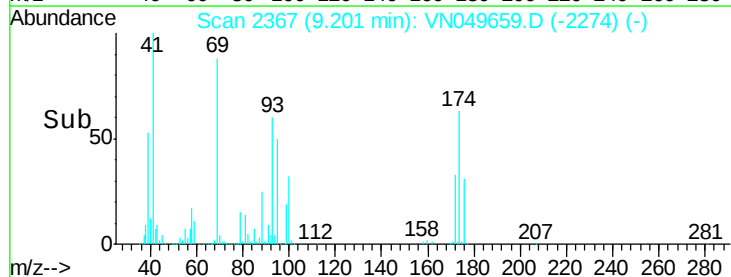
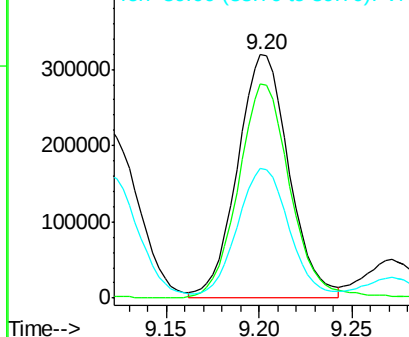


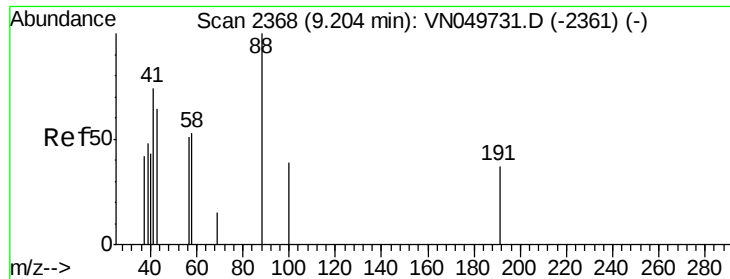
#48
Methyl methacrylate
Concen: 52.237 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 41 Resp: 616346
Ion Ratio Lower Upper
41 100
69 88.6 71.5 107.3
39 53.8 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





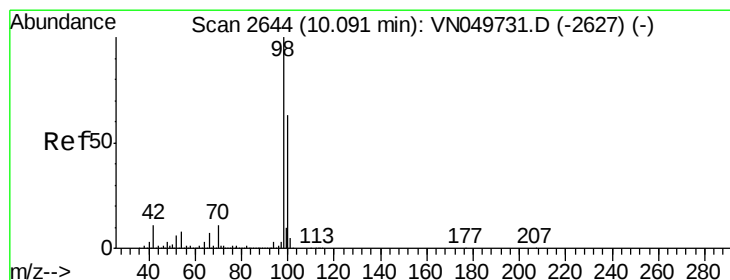
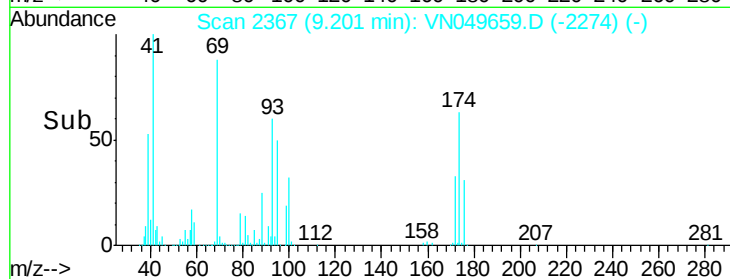
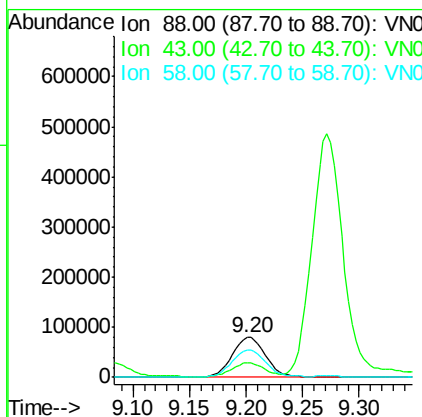
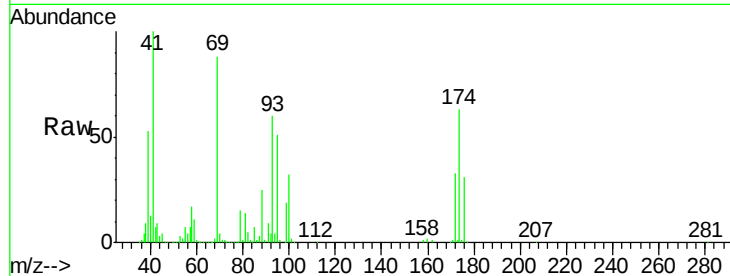
#49
1,4-Dioxane
Concen: 1043.386 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.1	37.7
58	69.7	52.5	78.7

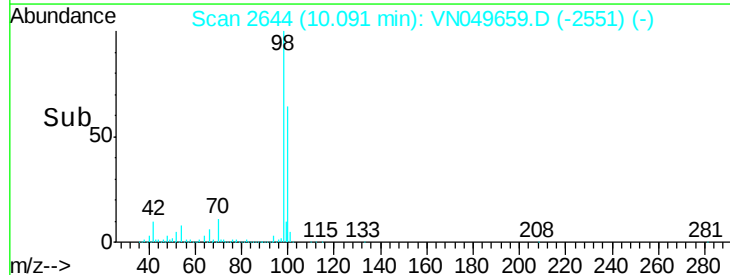
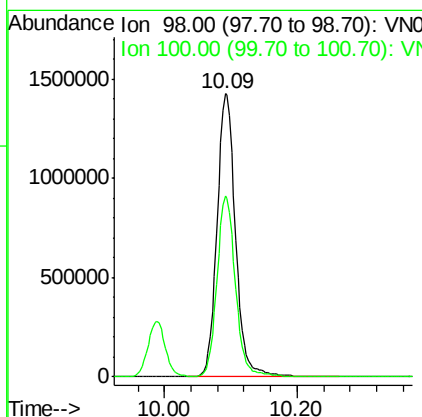
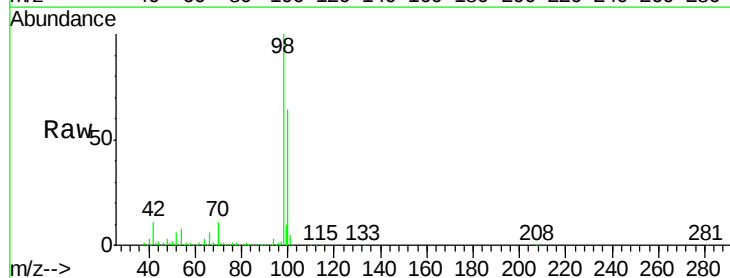
Manual Integrations
APPROVED

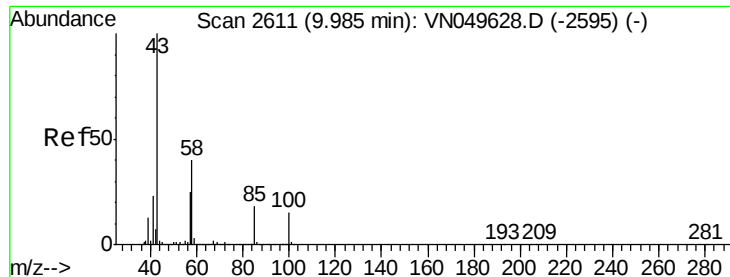
apatel
7/2/2018 4:17:59 PM



#50
Toluene-d8
Concen: 46.671 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





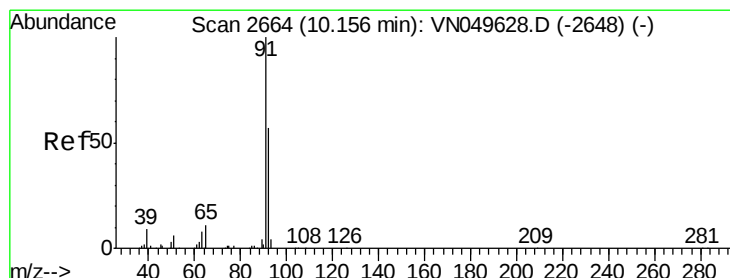
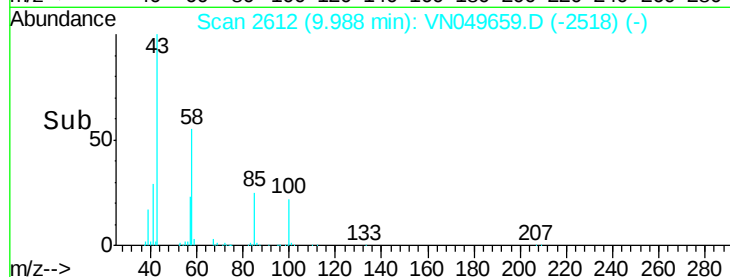
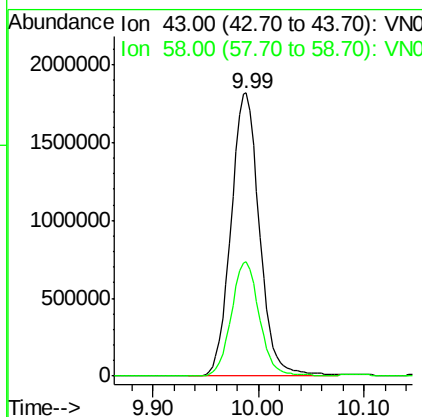
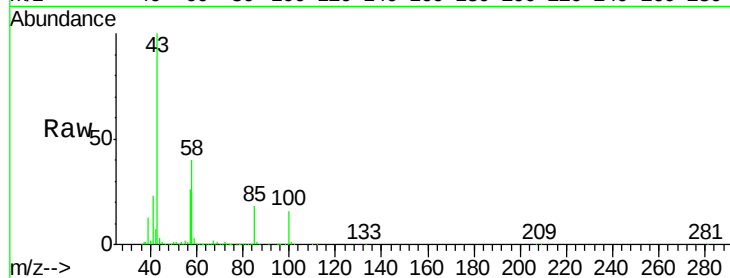
#51
4-Methyl-2-Pentanone
Concen: 260.634 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 3392979
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.8

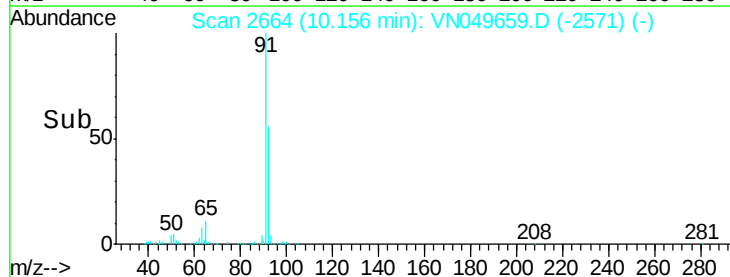
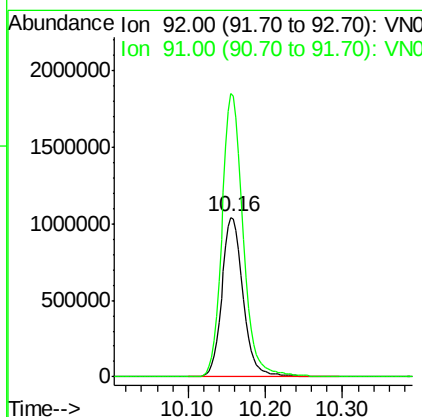
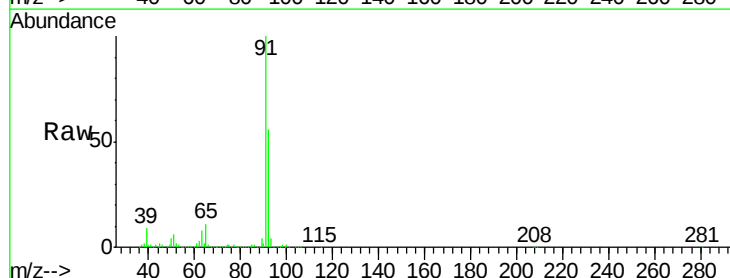
Manual Integrations
APPROVED

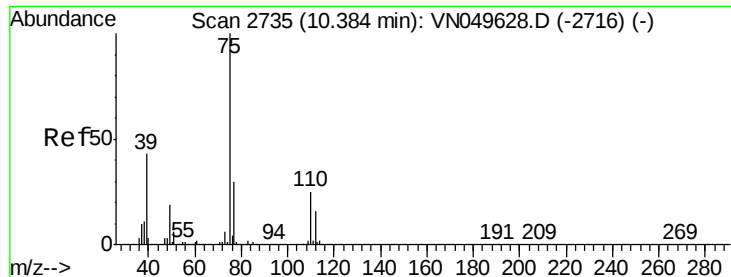
apatel
7/2/2018 4:17:59 PM



#52
Toluene
Concen: 47.622 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 92 Resp: 1999830
Ion Ratio Lower Upper
92 100
91 176.7 140.1 210.1





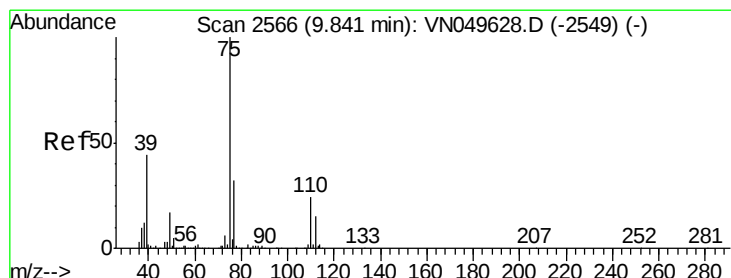
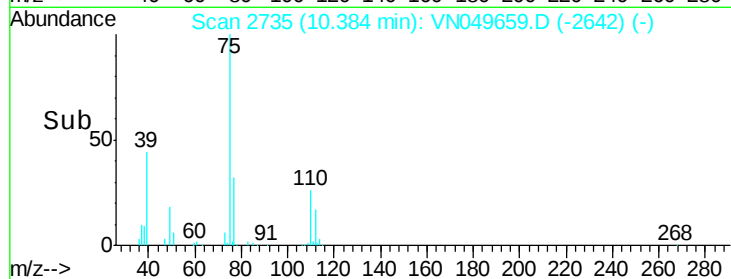
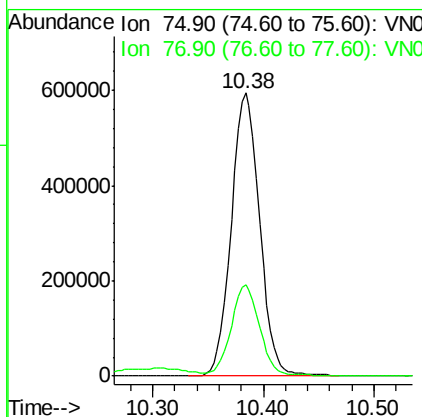
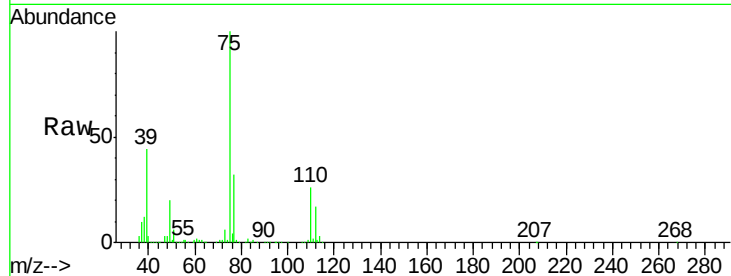
#53
t-1,3-Dichloropropene
Concen: 47.863 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 1059994
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

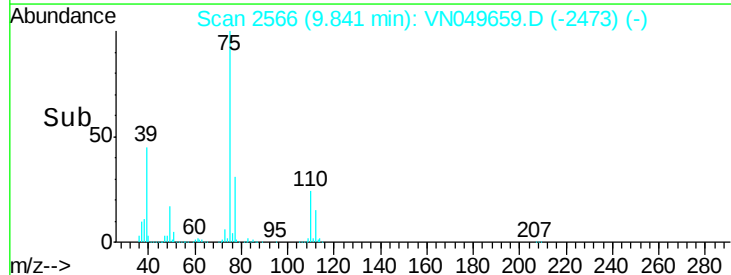
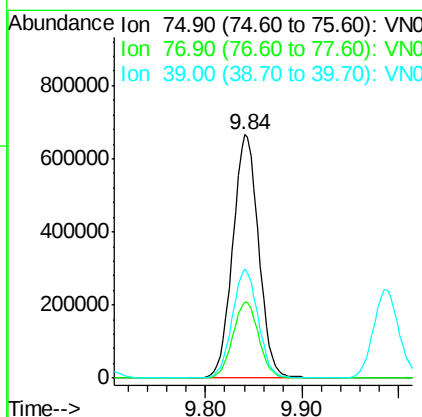
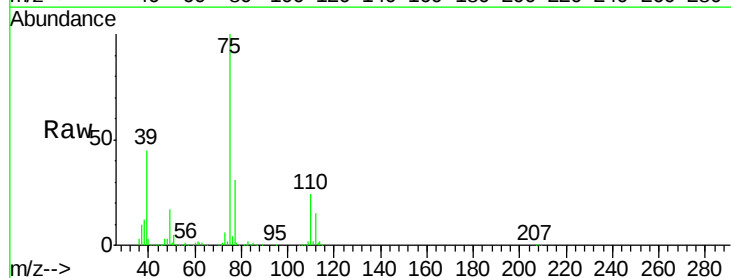
Manual Integrations
APPROVED

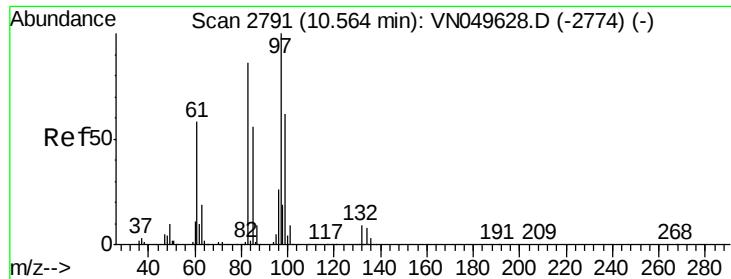
apatel
7/2/2018 4:17:59 PM



#54
cis-1,3-Dichloropropene
Concen: 47.825 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 75 Resp: 1237864
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 44.6 35.5 53.3





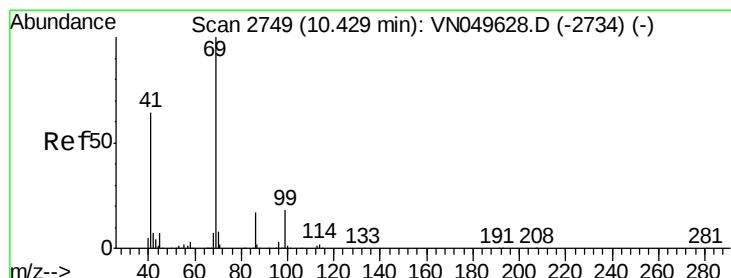
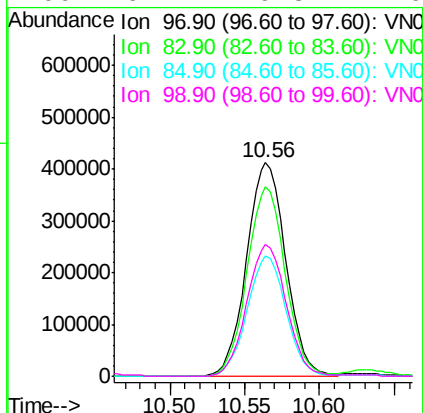
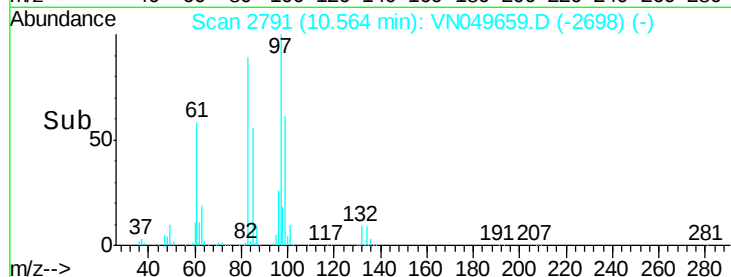
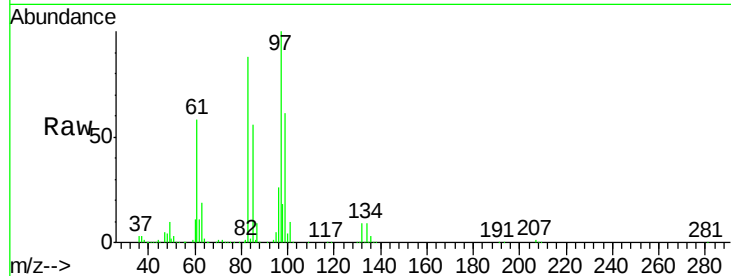
#55
 1,1,2-Trichloroethane
 Concen: 47.897 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.0	103.6
85	56.5	44.9	67.3
99	61.4	49.8	74.6

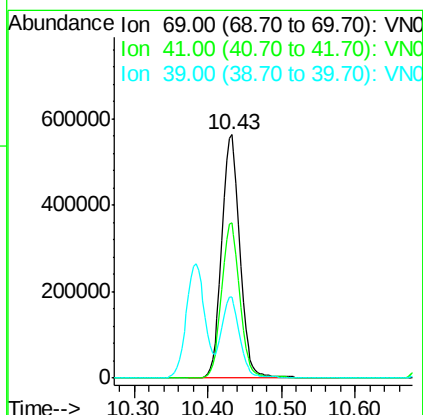
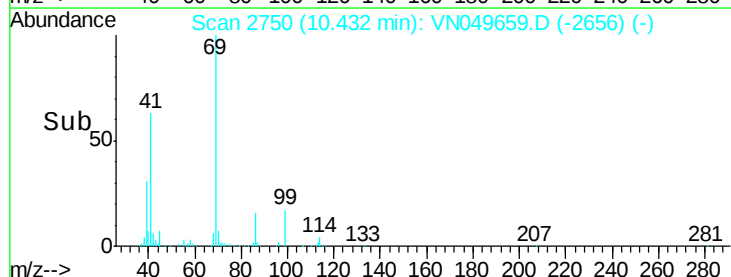
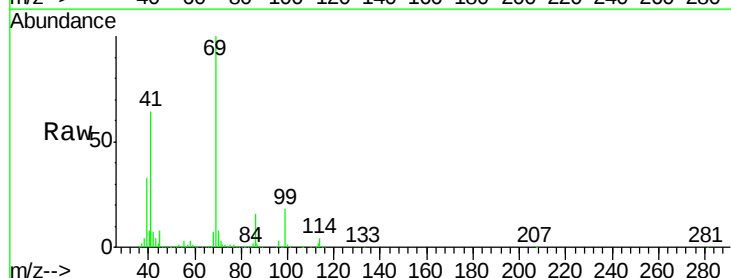
Manual Integrations
 APPROVED

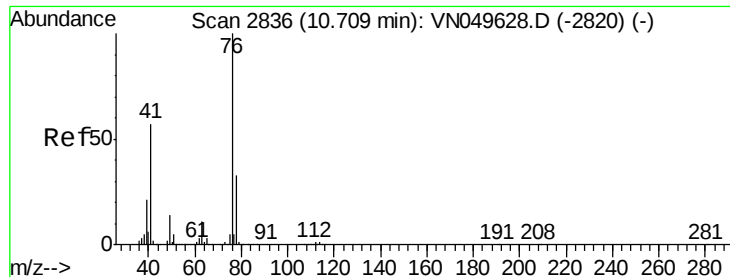
apatel
 7/2/2018 4:17:59 PM



#56
 Ethyl methacrylate
 Concen: 52.884 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	32.8	25.8	38.8





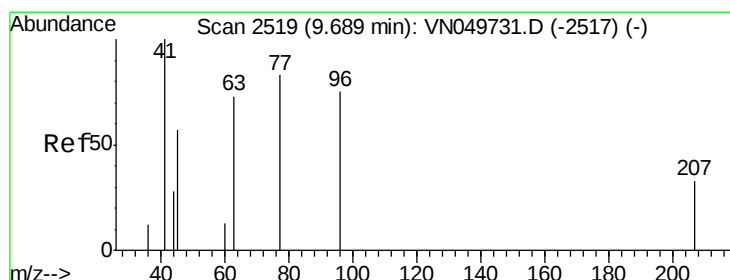
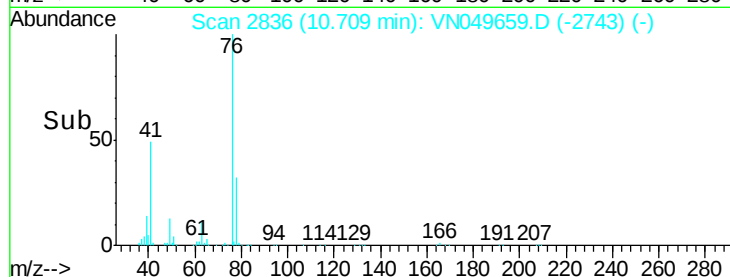
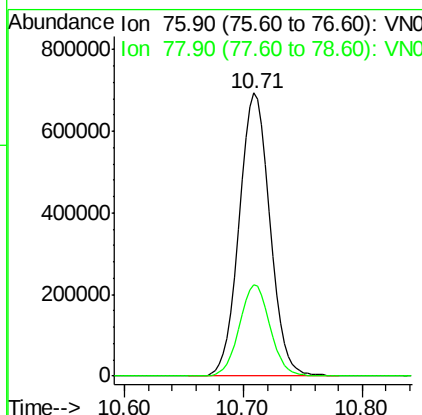
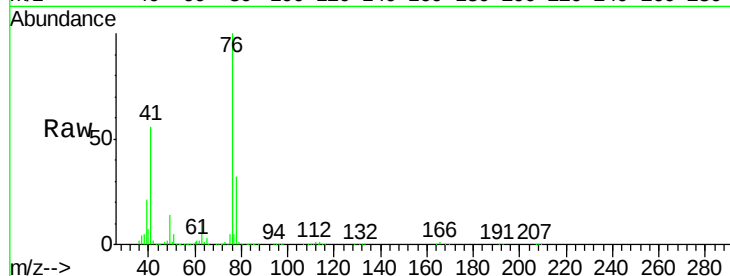
#57
 1,3-Dichloropropane
 Concen: 49.087 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 1244594
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

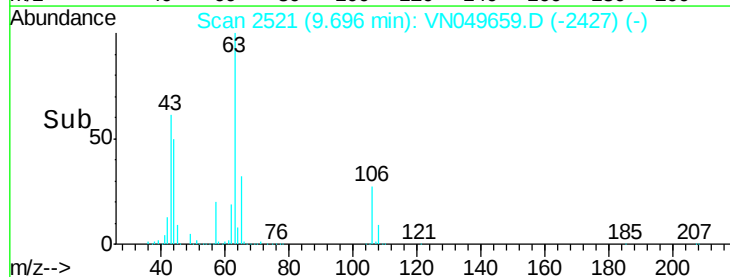
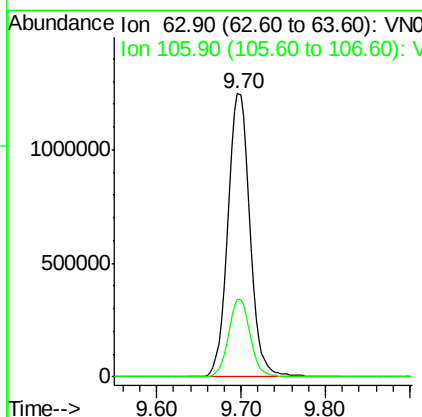
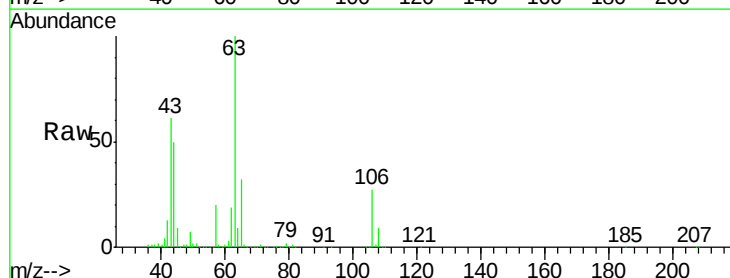
Manual Integrations
 APPROVED

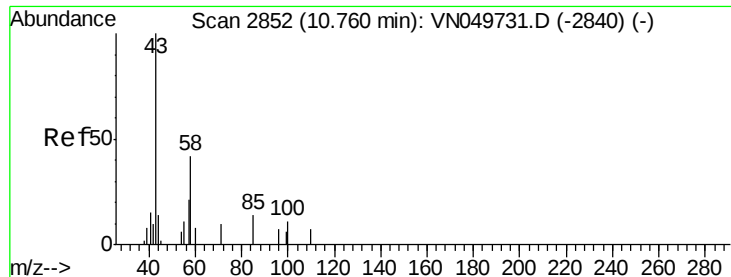
apatel
 7/2/2018 4:17:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.220 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion: 63 Resp: 2270496
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8





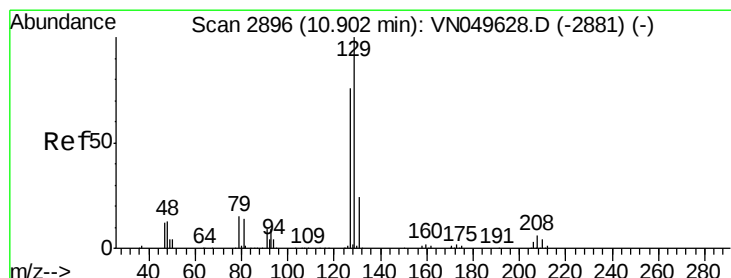
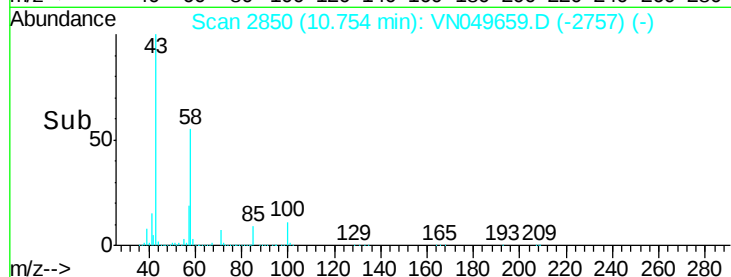
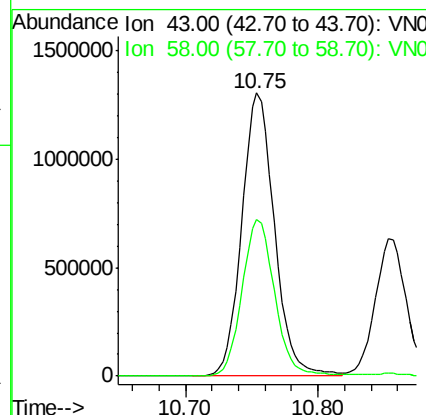
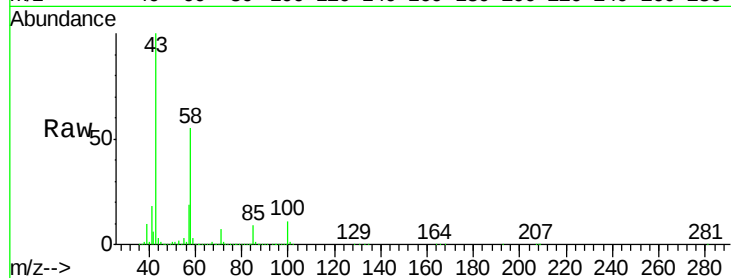
#59
2-Hexanone
Concen: 259.406 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2233043
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.4

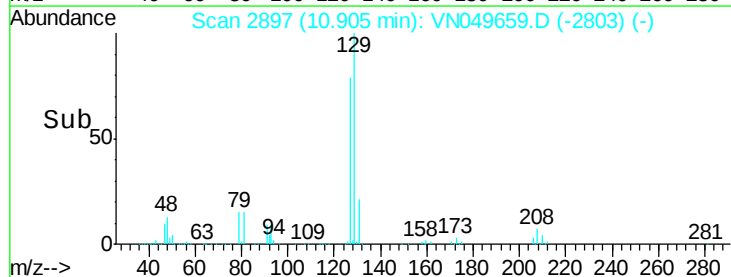
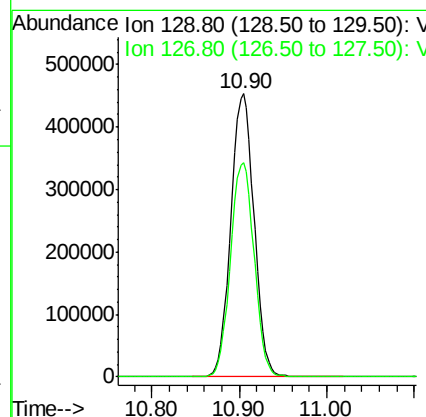
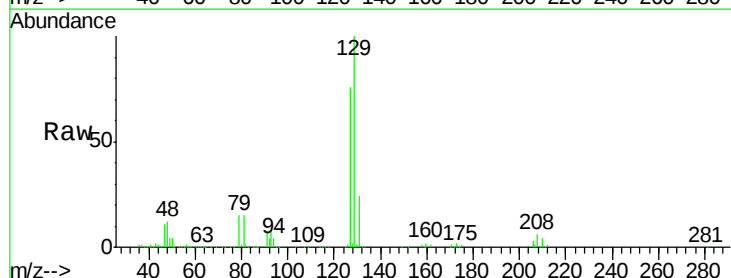
Manual Integrations
APPROVED

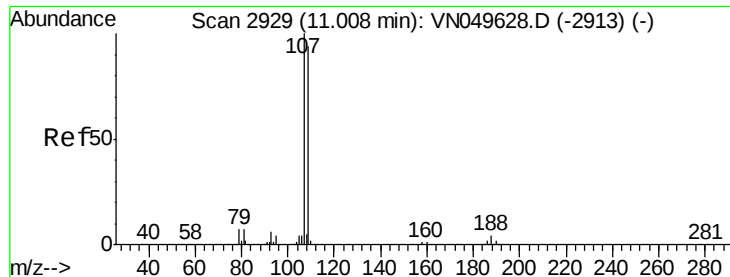
apatel
7/2/2018 4:17:59 PM



#60
Dibromochloromethane
Concen: 49.650 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 129 Resp: 839075
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





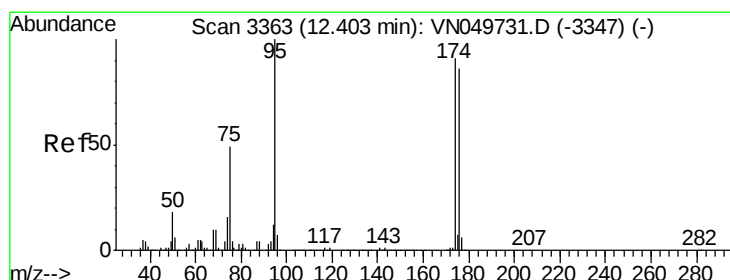
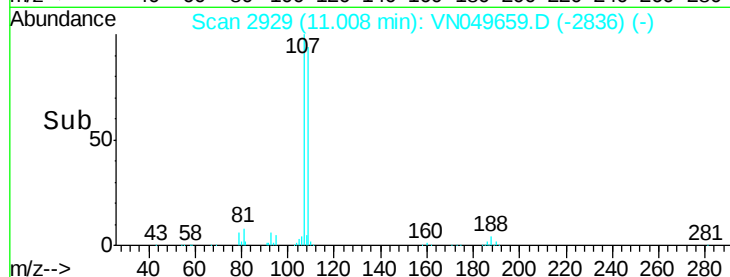
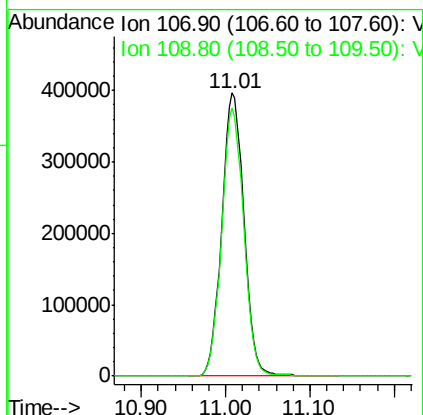
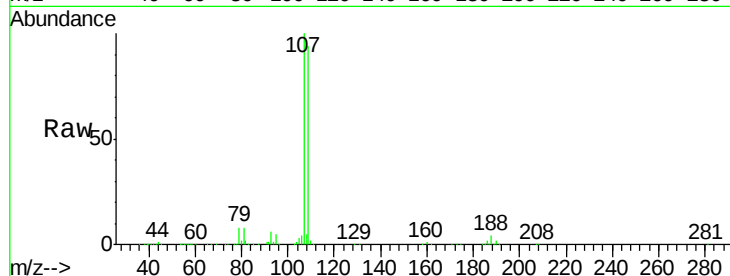
#61
1,2-Dibromoethane
Concen: 48.411 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 725296
Ion Ratio Lower Upper
107 100
109 94.3 75.0 112.6

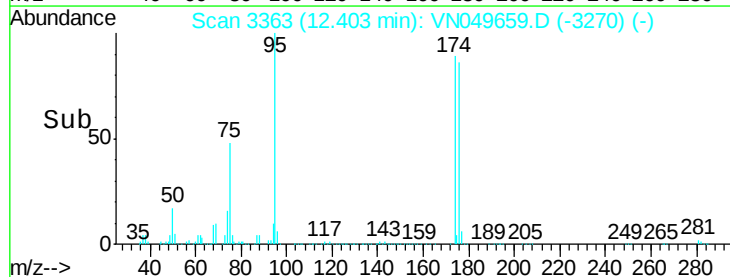
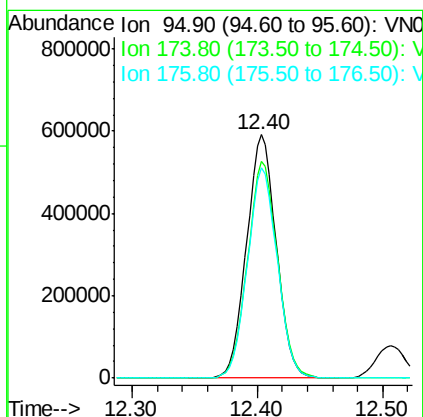
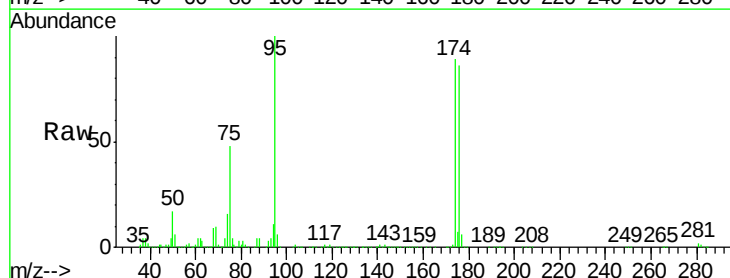
Manual Integrations
APPROVED

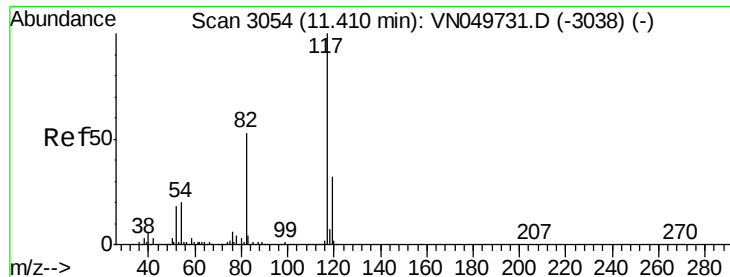
apatel
7/2/2018 4:17:59 PM



#62
4-Bromofluorobenzene
Concen: 48.271 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 95 Resp: 975813
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.6
176 86.6 0.0 174.0





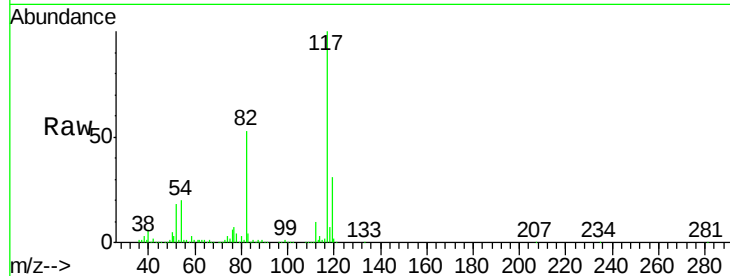
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

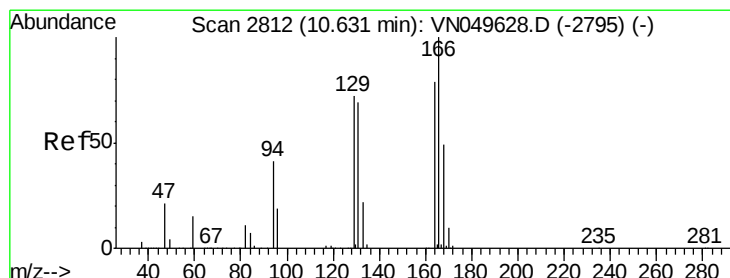
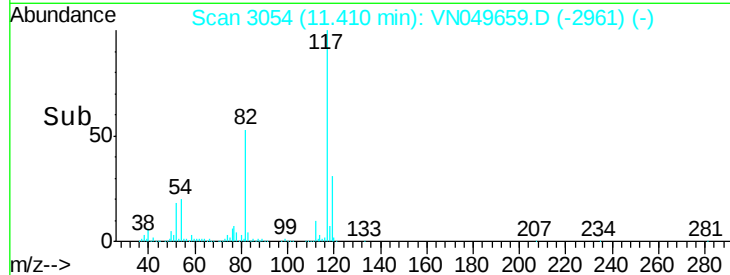
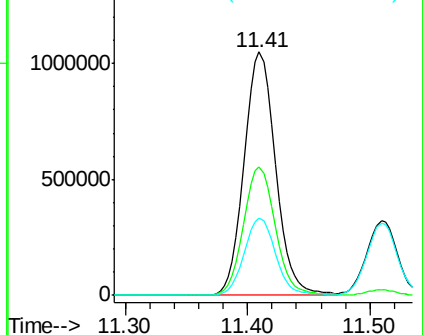
Tgt Ion:117 Resp: 1869508
Ion Ratio Lower Upper
117 100
82 52.7 41.9 62.9
119 31.5 25.4 38.2

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



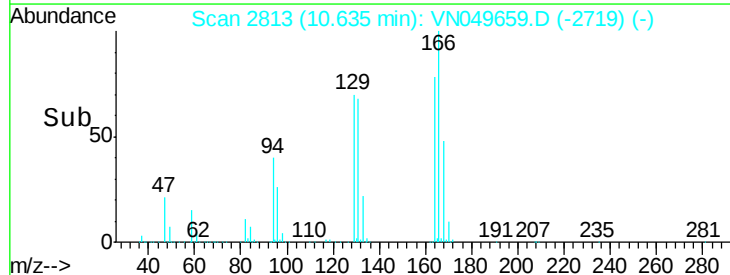
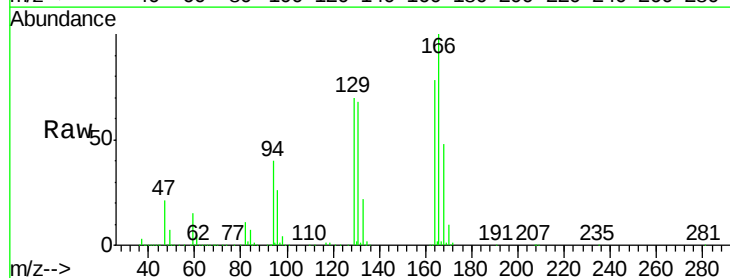
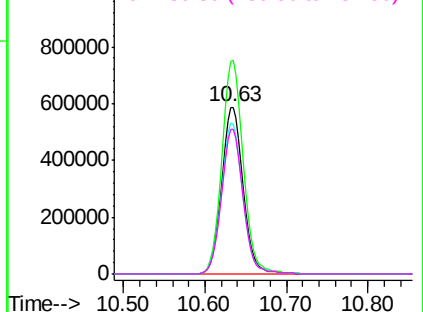
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

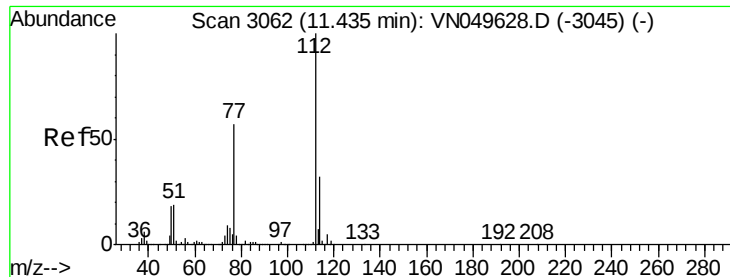


#64
Tetrachloroethene
Concen: 43.279 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion:164 Resp: 1095544
Ion Ratio Lower Upper
164 100
166 128.1 101.8 152.6
129 89.7 72.8 109.2
131 86.8 70.0 105.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 45.106 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tgt Ion:112 Resp: 2199808

Ion Ratio Lower Upper

112 100

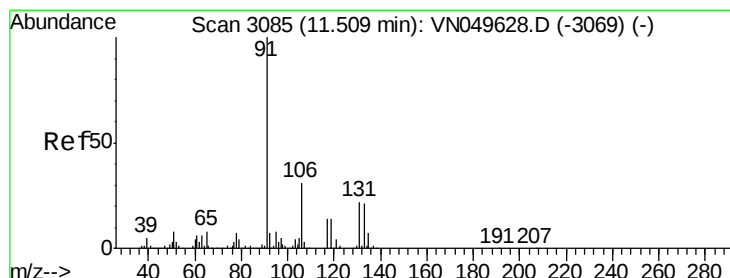
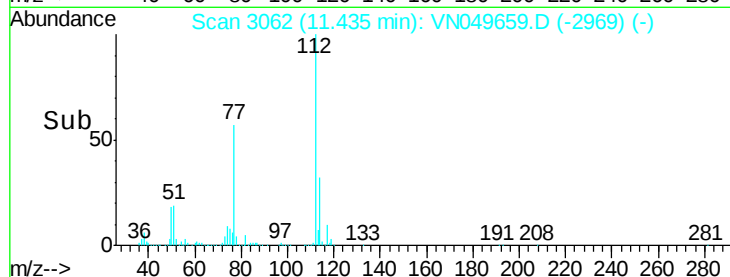
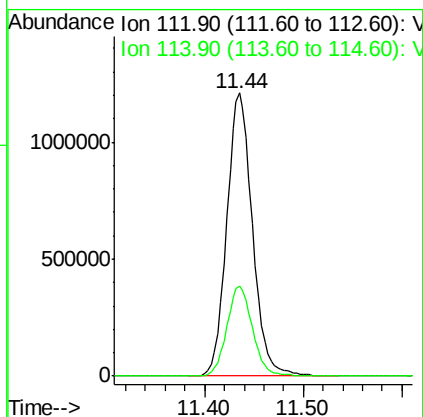
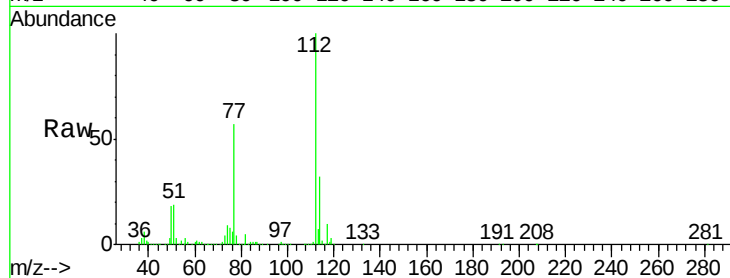
114 32.0 25.4 38.0

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:59 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 46.667 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

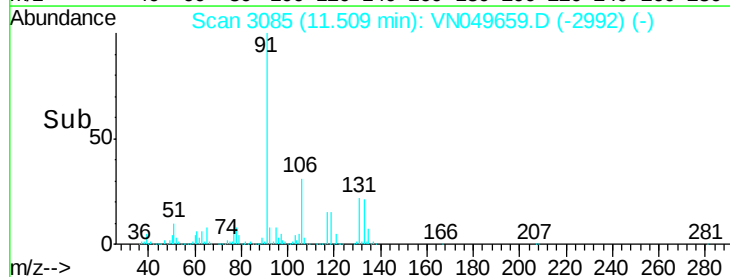
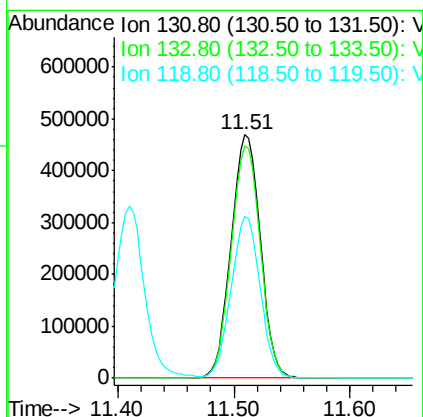
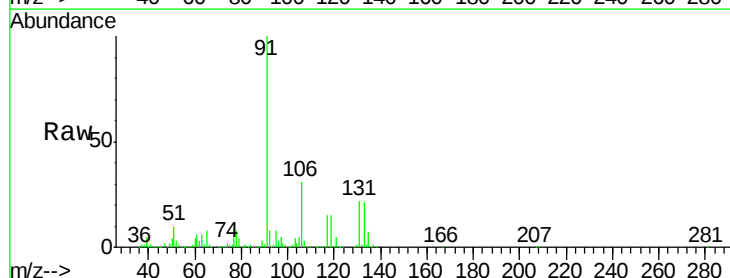
Tgt Ion:131 Resp: 817775

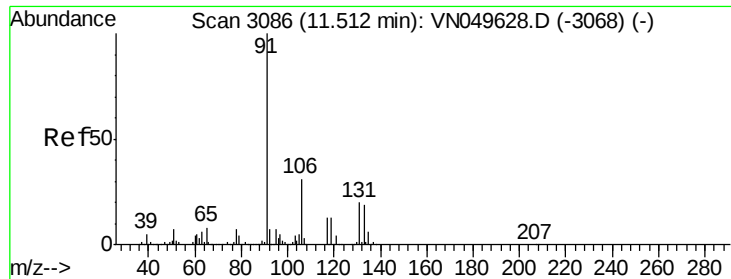
Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

119 65.9 33.1 99.3





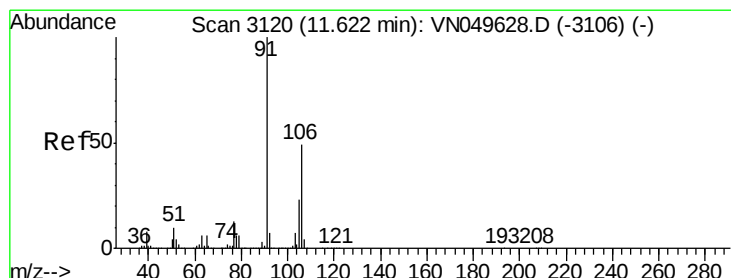
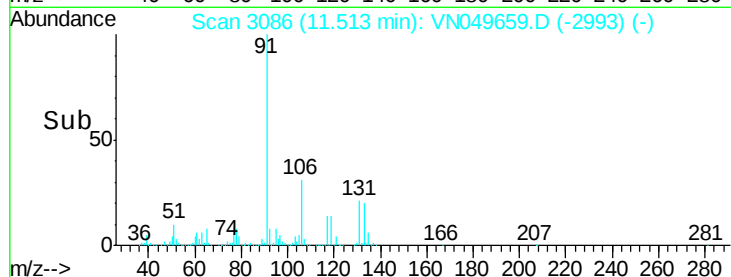
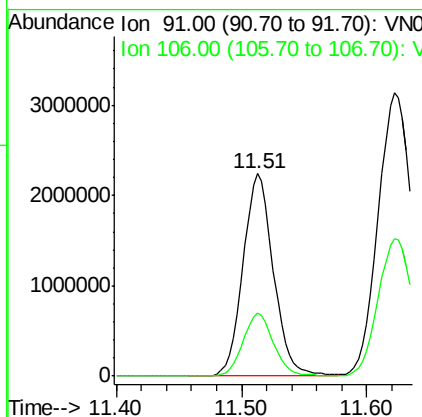
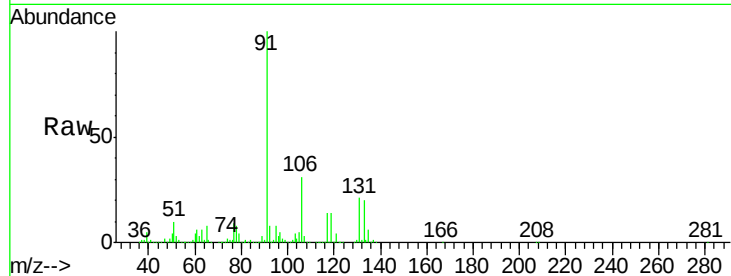
#67
Ethyl Benzene
Concen: 46.943 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 3784403
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

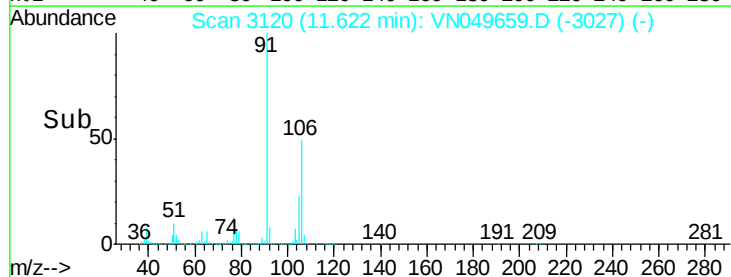
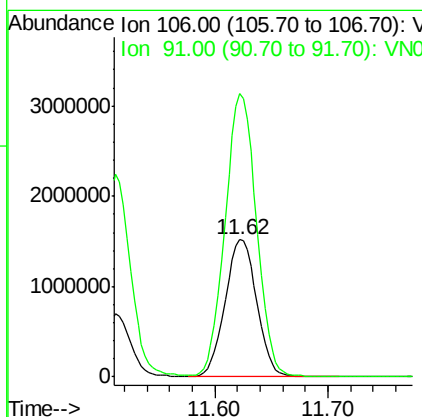
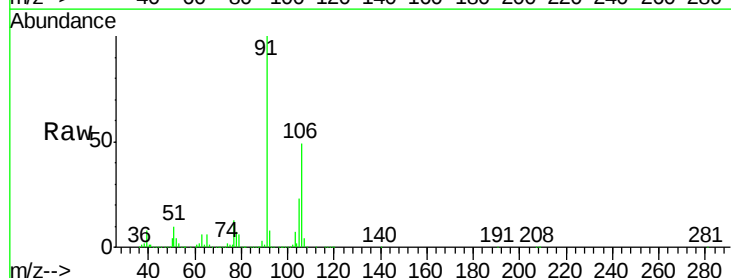
Manual Integrations
APPROVED

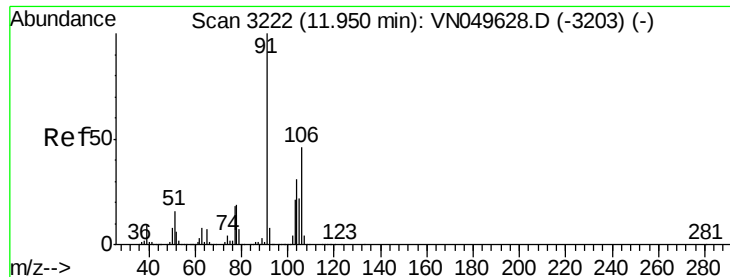
apatel
7/2/2018 4:17:59 PM



#68
m/p-Xylenes
Concen: 95.773 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 106 Resp: 2958948
Ion Ratio Lower Upper
106 100
91 204.8 163.4 245.2





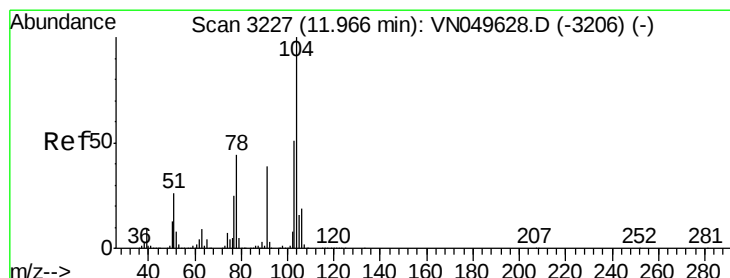
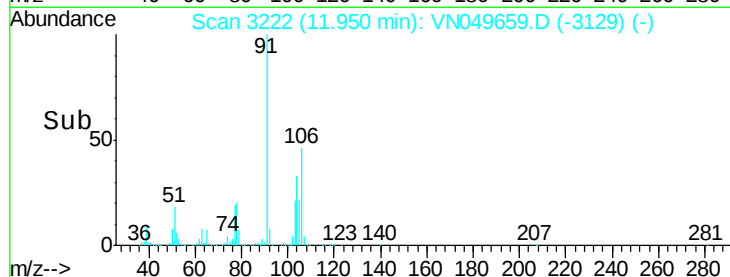
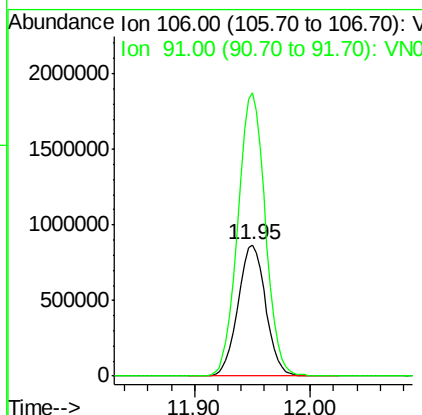
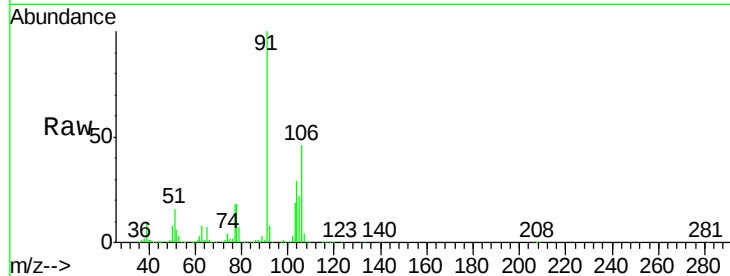
#69
o-Xylene
Concen: 48.464 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1433536
Ion Ratio Lower Upper
106 100
91 213.7 108.7 326.1

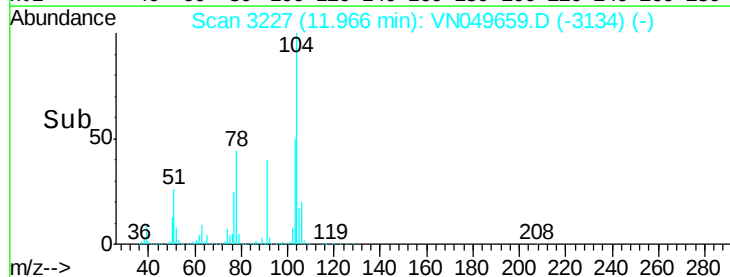
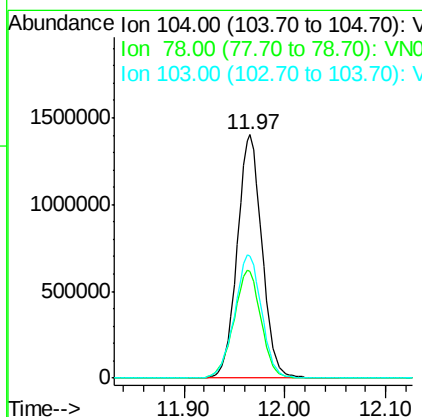
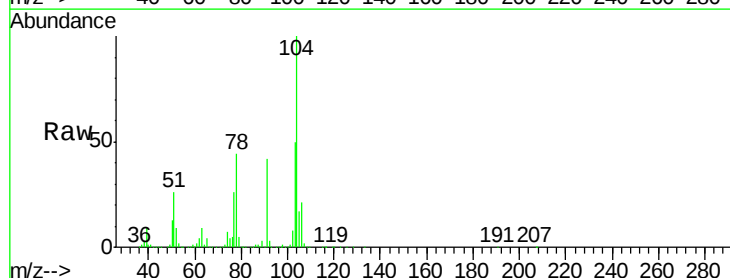
Manual Integrations
APPROVED

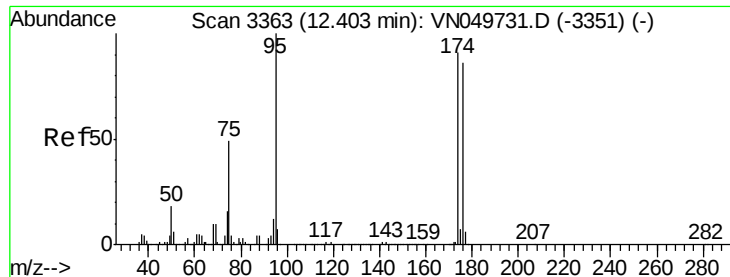
apatel
7/2/2018 4:17:59 PM



#70
Styrene
Concen: 49.667 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion:104 Resp: 2377065
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 55.4 44.6 67.0





#71

Bromoform

Concen: 49.136 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

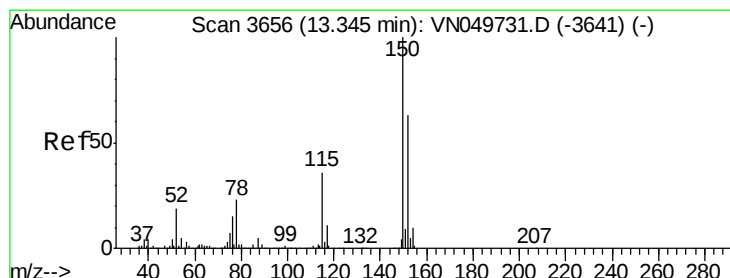
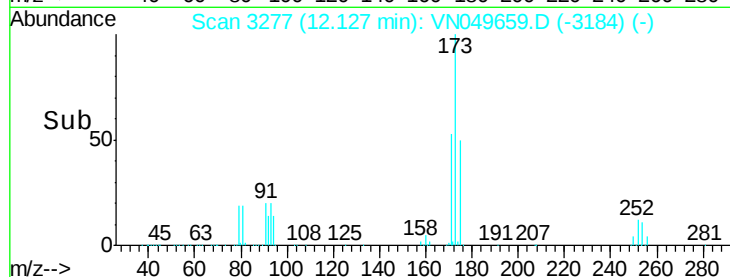
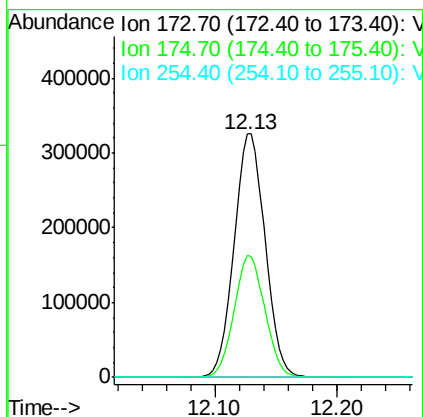
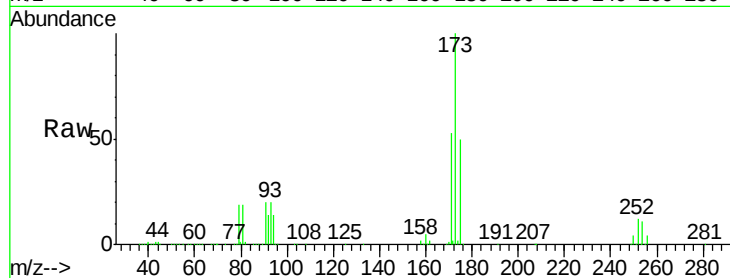
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

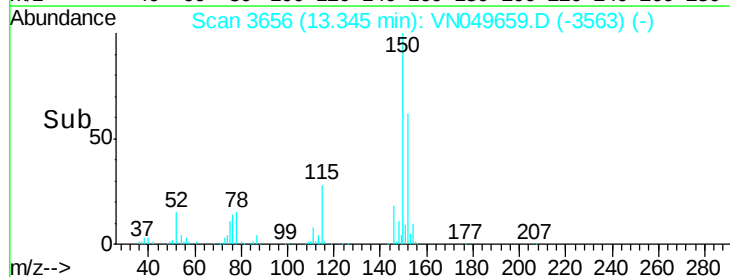
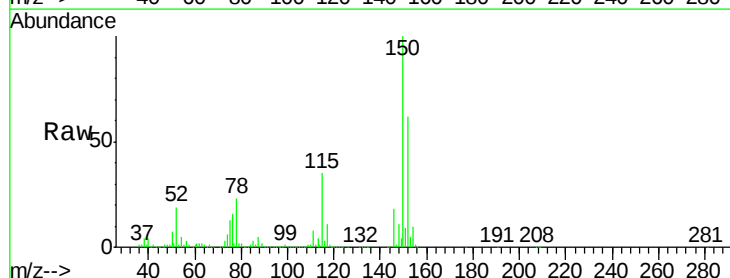
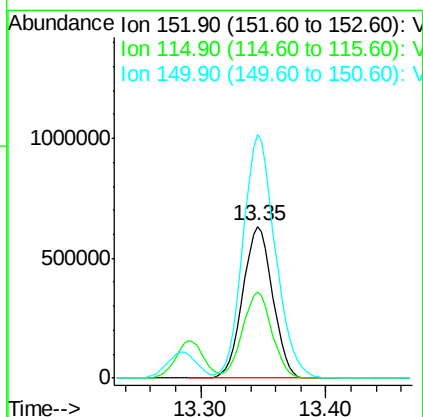
RT: 13.35 min Scan# 3656

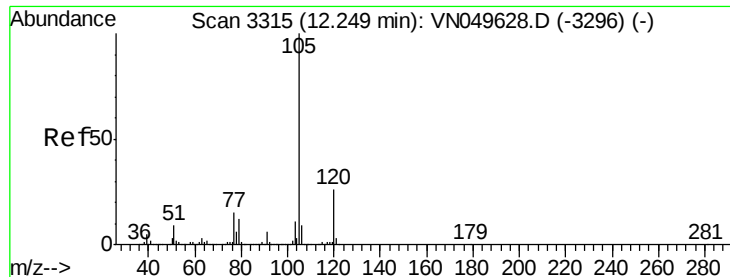
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.1	84.2
150	174.3	0.0	347.6





#73

Isopropylbenzene

Concen: 45.145 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 3756968

Ion Ratio Lower Upper

105 100

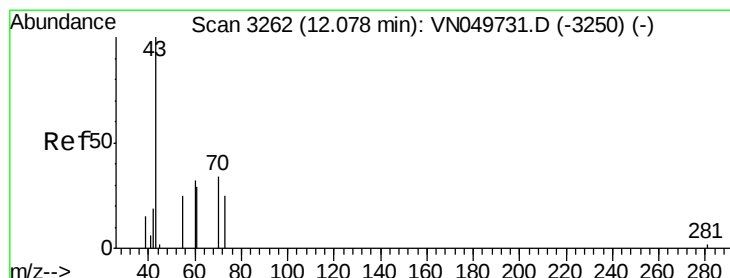
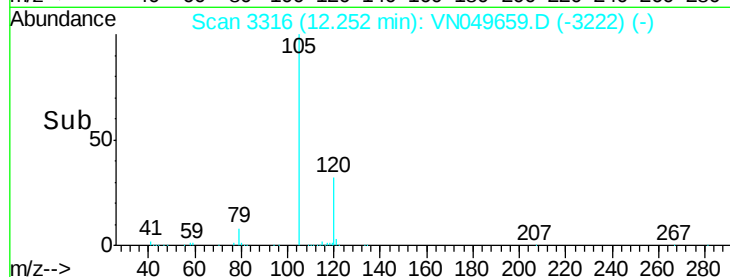
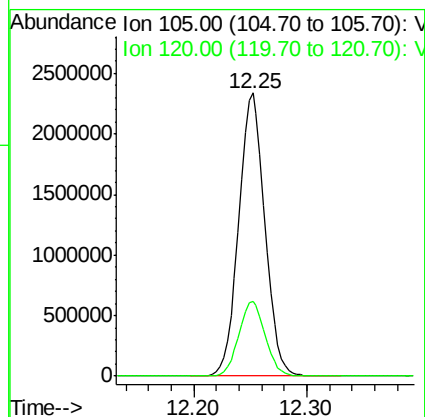
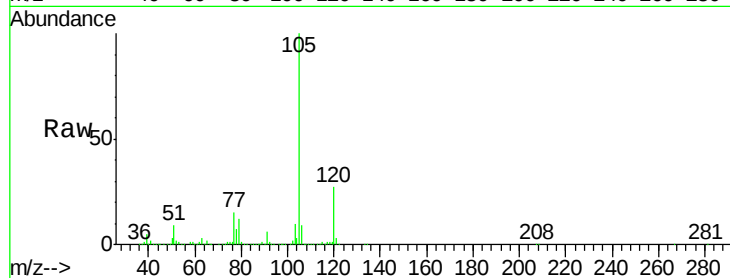
120 26.8 13.3 39.8

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:59 PM



#74

N-ethyl acetate

Concen: 48.263 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion: 43 Resp: 1097109

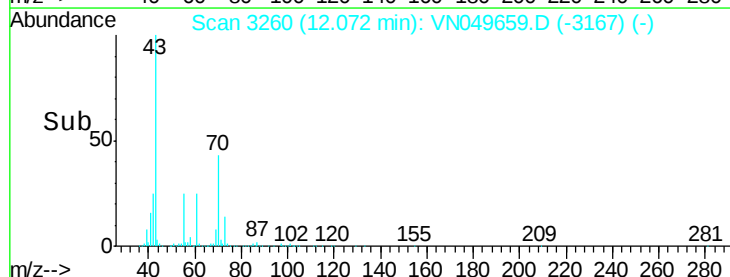
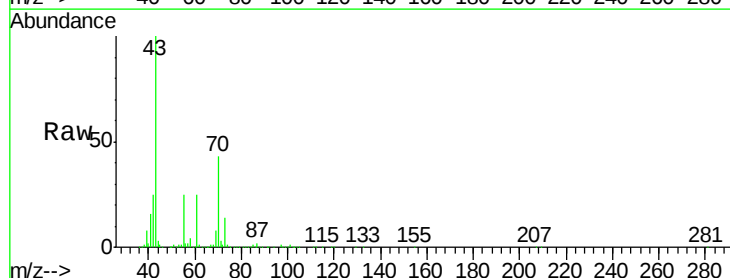
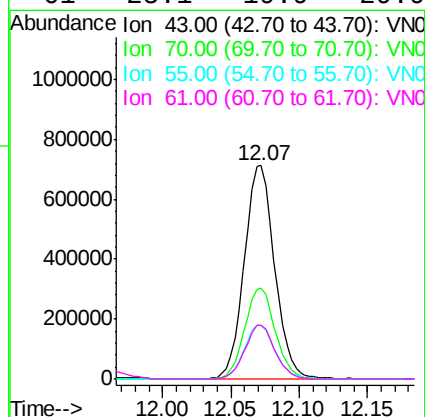
Ion Ratio Lower Upper

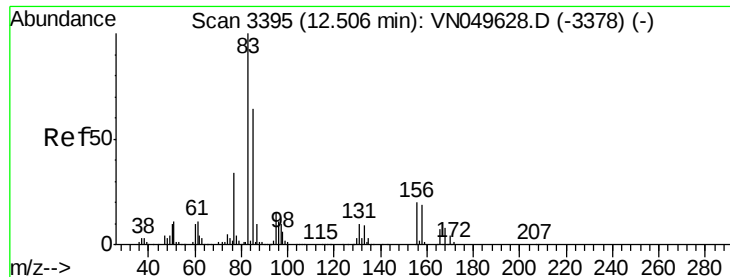
43 100

70 43.3 34.8 52.2

55 25.9 20.9 31.3

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.575 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

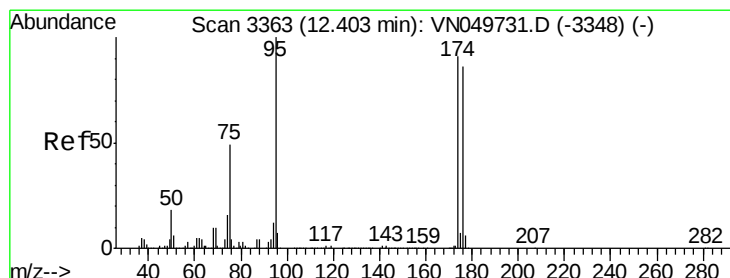
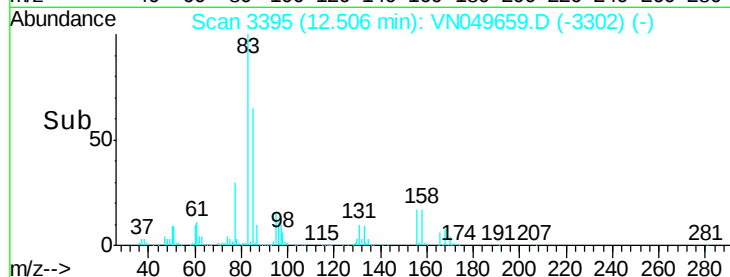
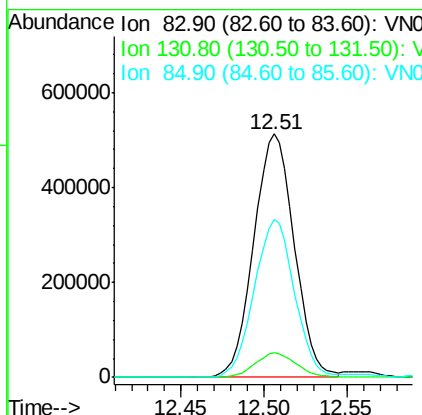
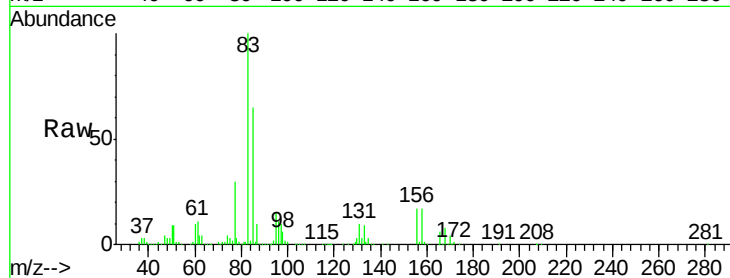
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	873774
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.3	32.5	97.4

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#76

1,2,3-Trichloropropane

Concen: 47.732 ug/l m

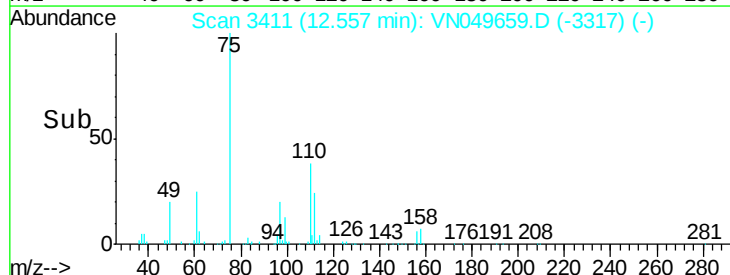
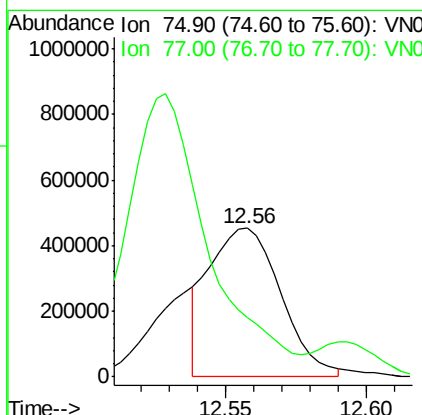
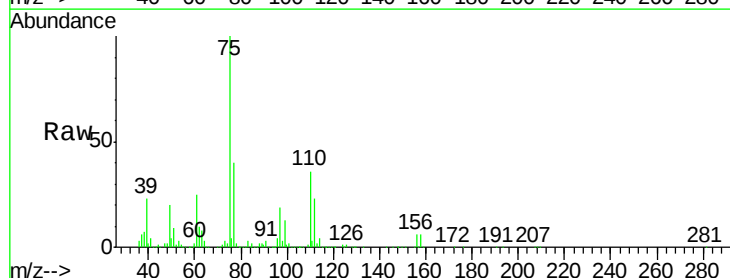
RT: 12.56 min Scan# 3411

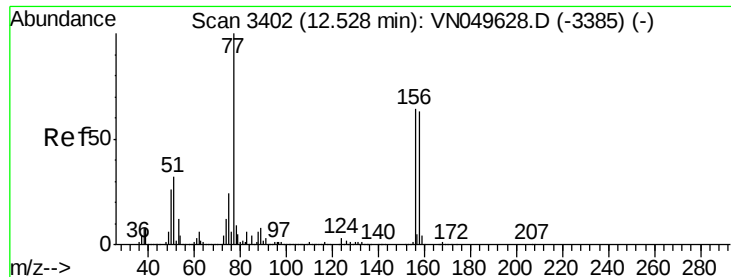
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion:	75	Resp:	799786
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.613 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

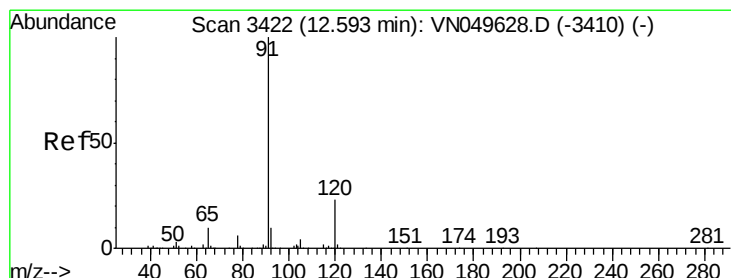
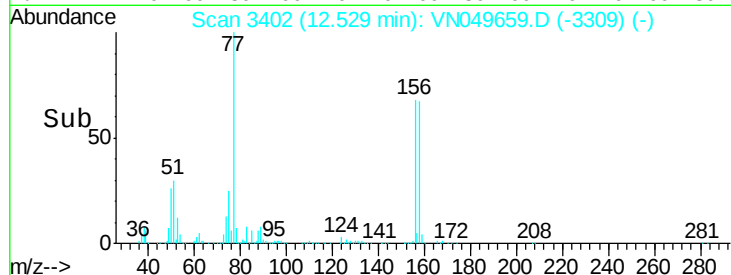
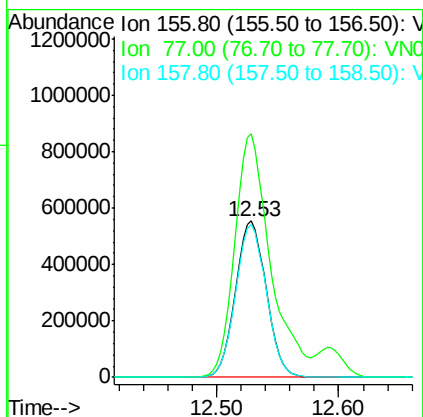
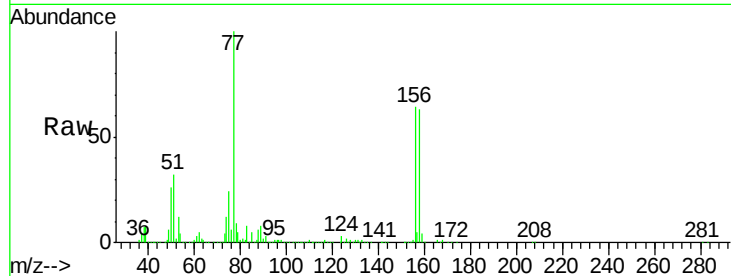
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	964281
Ion Ratio	Lower	Upper	
156	100		
77	181.8	90.2	270.6
158	98.0	49.1	147.3

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#78

n-propylbenzene

Concen: 46.099 ug/l

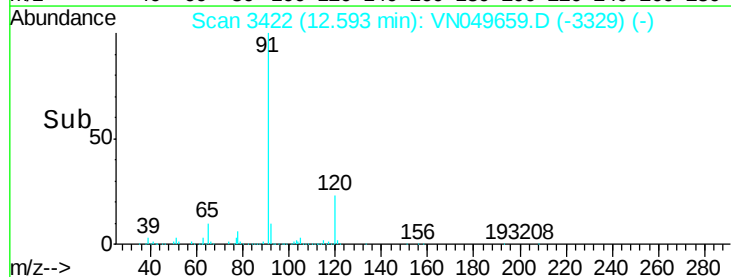
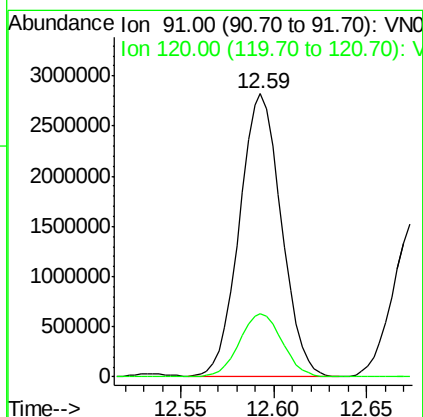
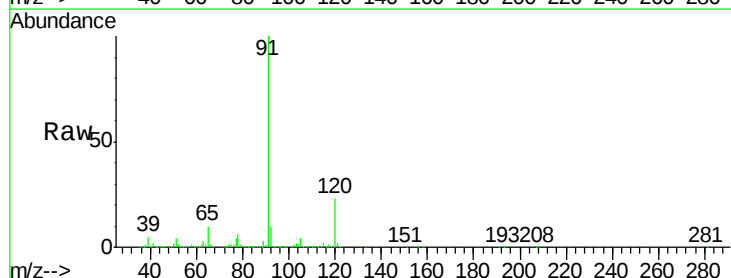
RT: 12.59 min Scan# 3422

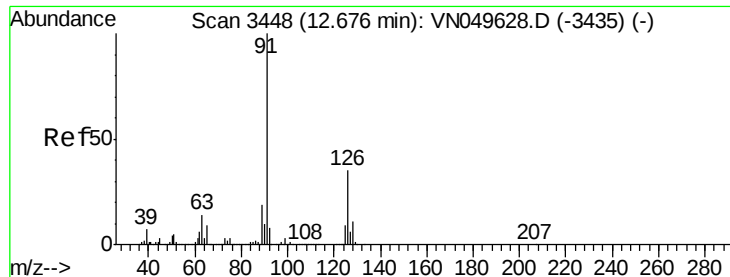
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion:	91	Resp:	4396775
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 43.633 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2633749

Ion Ratio Lower Upper

91 100

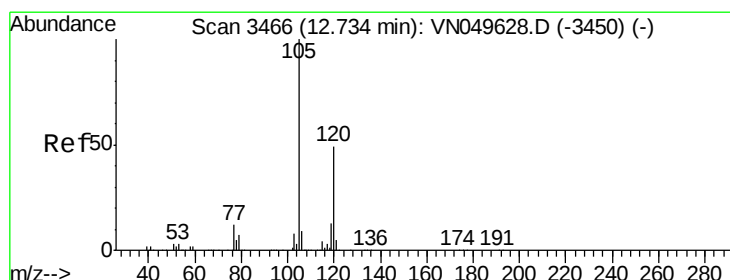
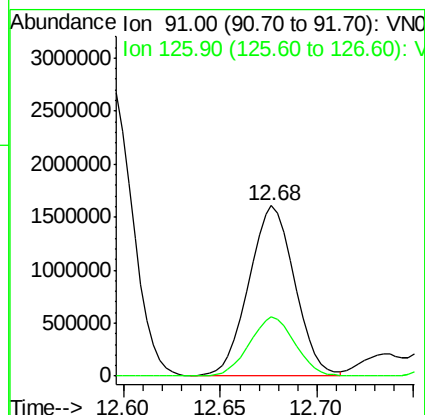
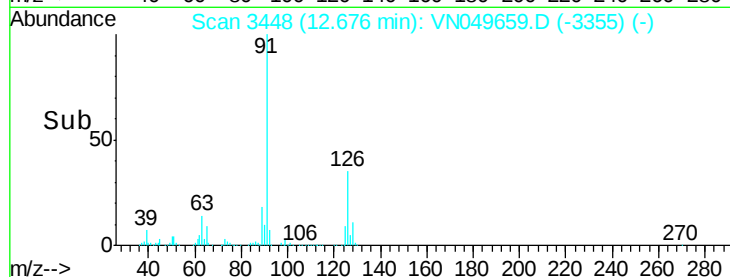
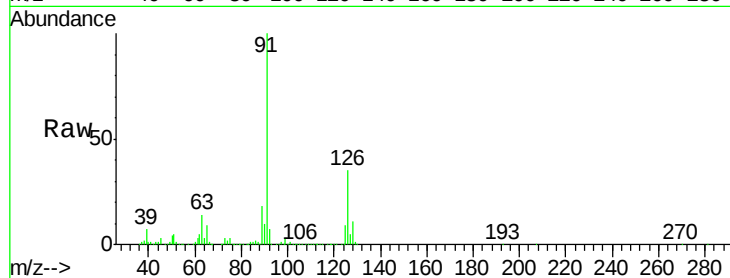
126 34.9 17.5 52.5

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:59 PM



#80

1,3,5-Trimethylbenzene

Concen: 46.666 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049659.D

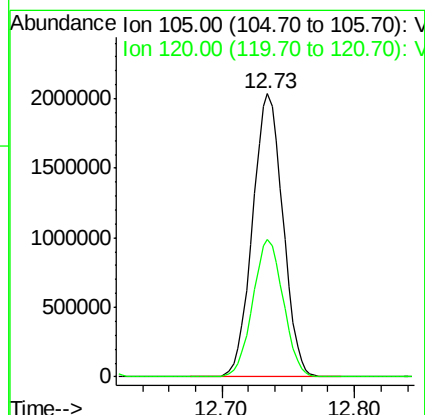
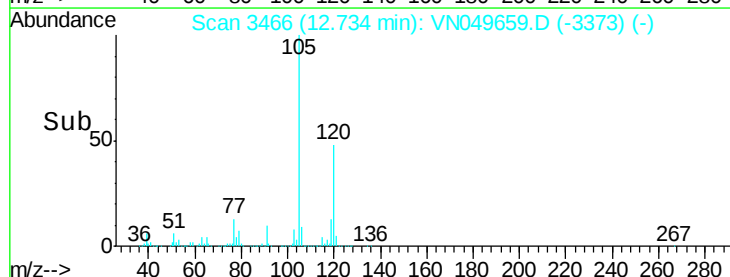
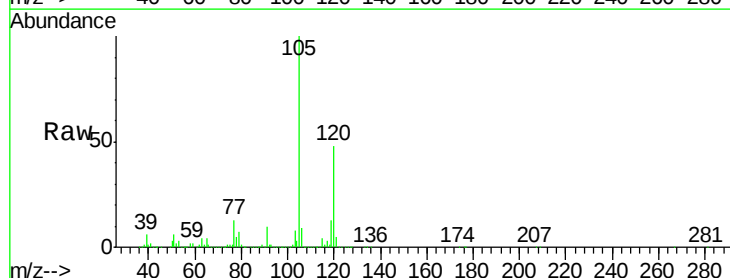
Acq: 30 Jun 2018 20:27

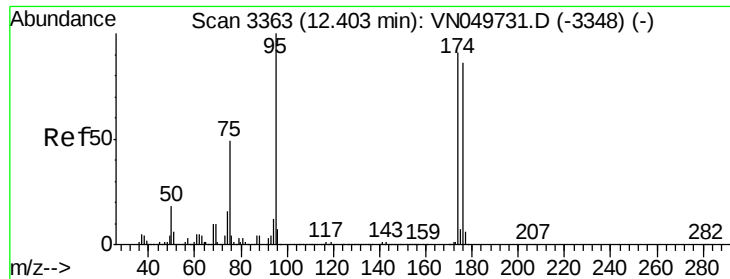
Tgt Ion: 105 Resp: 3227137

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.891 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Instrument :

MSVOA_N

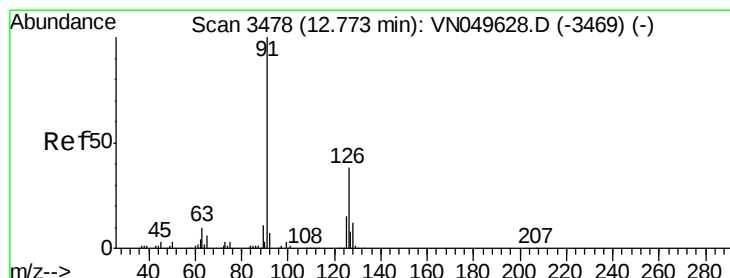
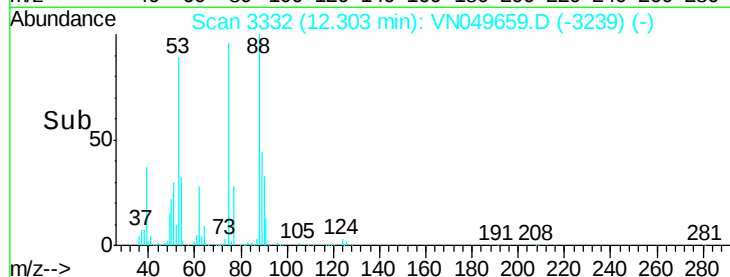
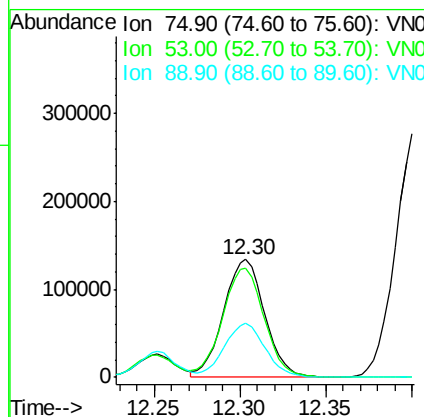
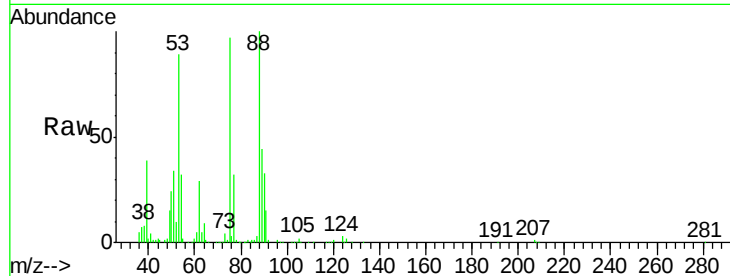
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	221460
Ion	Ratio	Lower	Upper
75	100		
53	93.9	73.9	110.9
89	46.1	35.9	53.9

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#82

4-Chlorotoluene

Concen: 43.935 ug/l

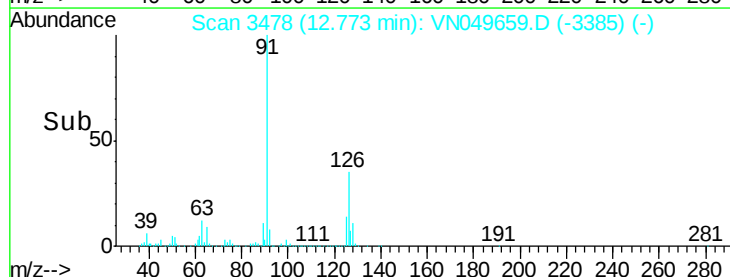
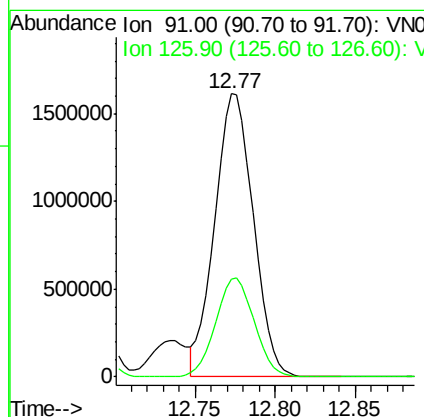
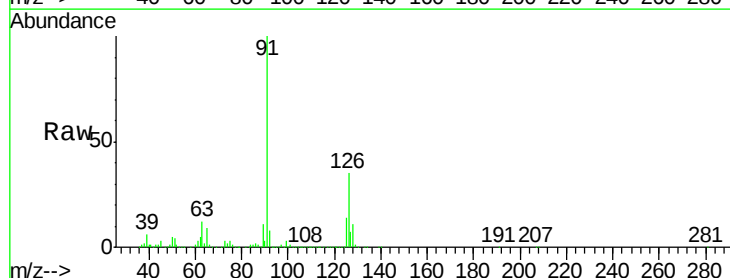
RT: 12.77 min Scan# 3478

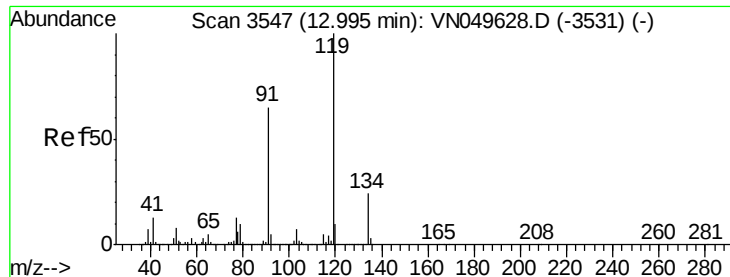
Delta R.T. 0.00 min

Lab File: VN049659.D

Acq: 30 Jun 2018 20:27

Tgt Ion:	91	Resp:	2666549
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.2	51.6





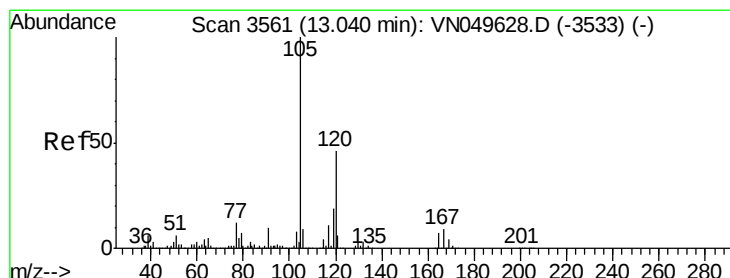
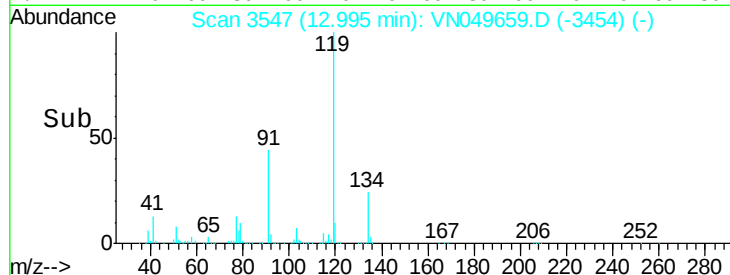
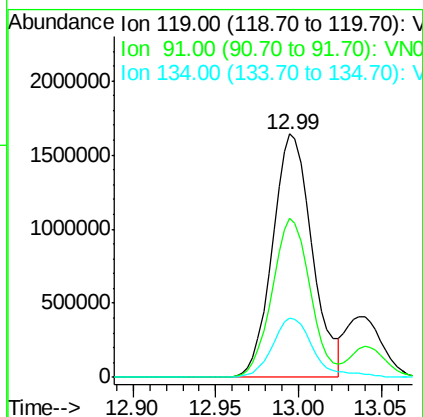
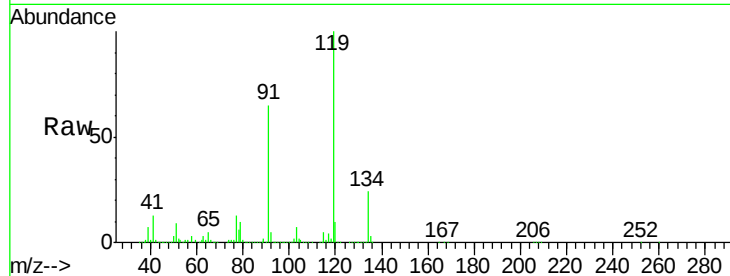
#83
 tert-Butylbenzene
 Concen: 46.137 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 2740768
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.0 96.2
 134 25.3 12.8 38.4

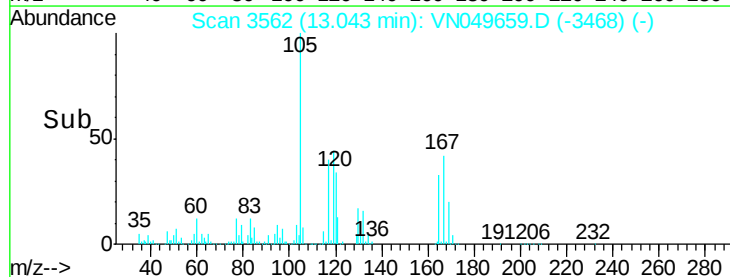
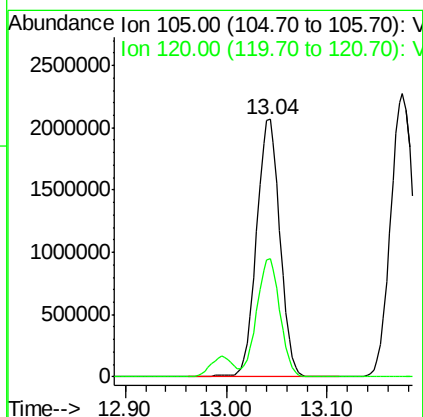
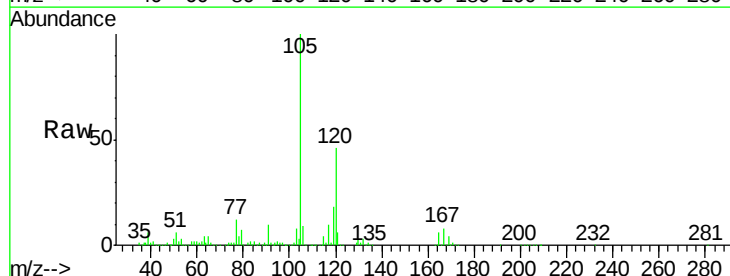
Manual Integrations
 APPROVED

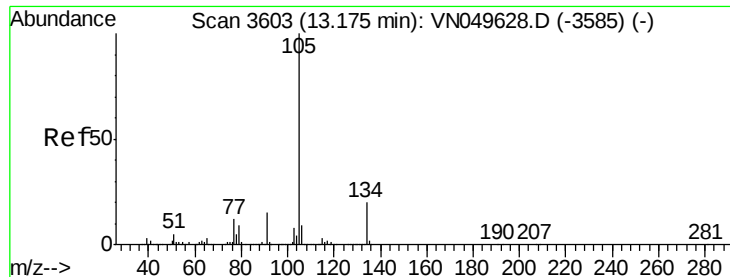
apatel
 7/2/2018 4:17:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.637 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion:105 Resp: 3313935
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1





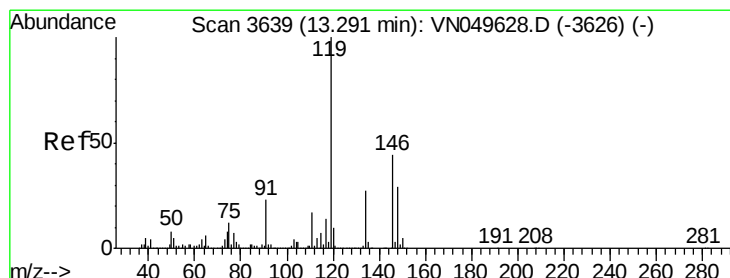
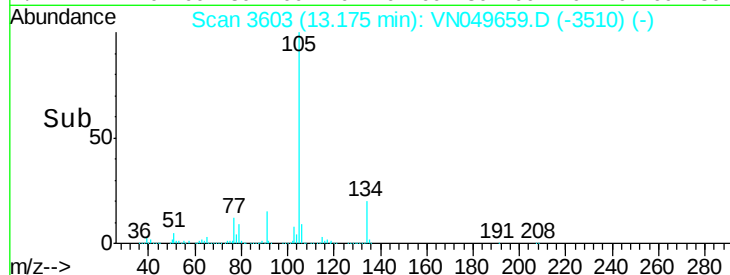
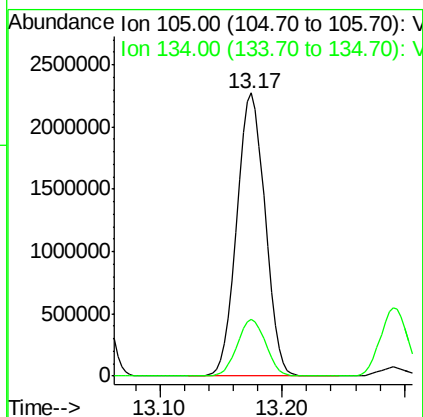
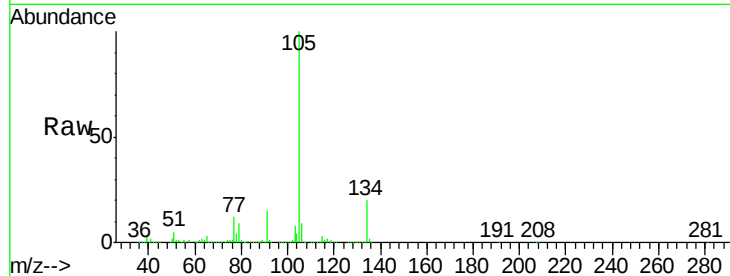
#85
 sec-Butylbenzene
 Concen: 46.200 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 3636268
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

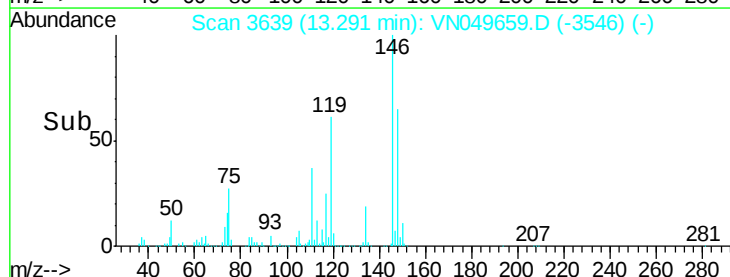
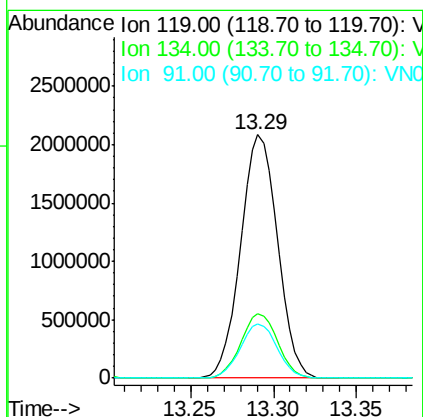
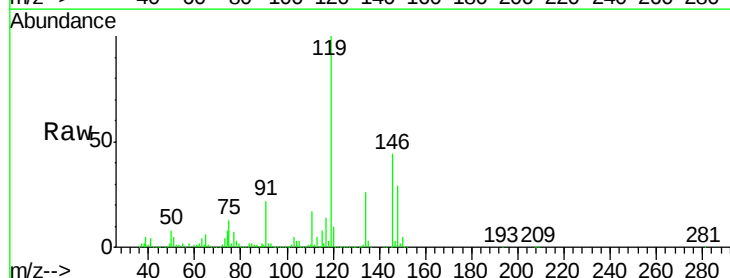
Manual Integrations
 APPROVED

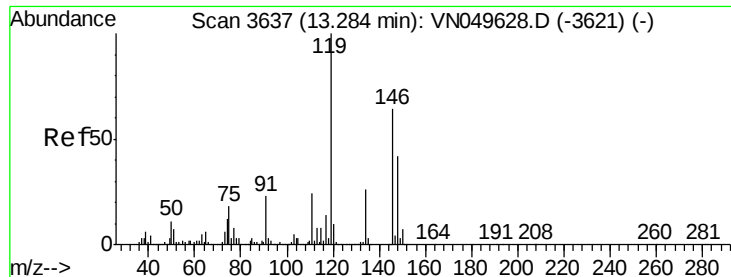
apatel
 7/2/2018 4:17:59 PM



#86
 p-Isopropyltoluene
 Concen: 47.402 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion:119 Resp: 3231519
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 22.3 11.4 34.1





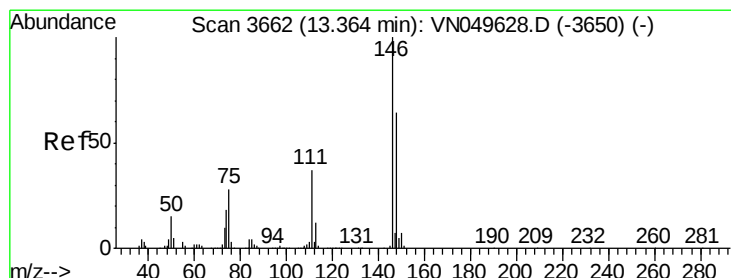
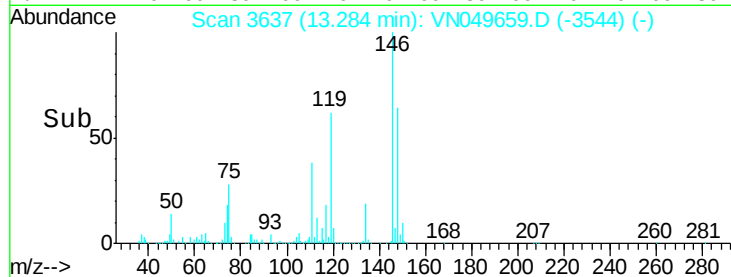
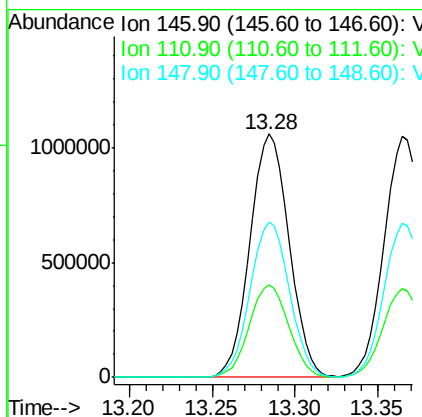
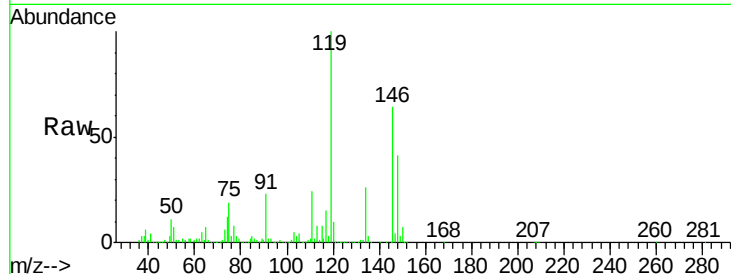
#87
 1,3-Dichlorobenzene
 Concen: 45.749 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 1754999
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 64.1 32.5 97.5

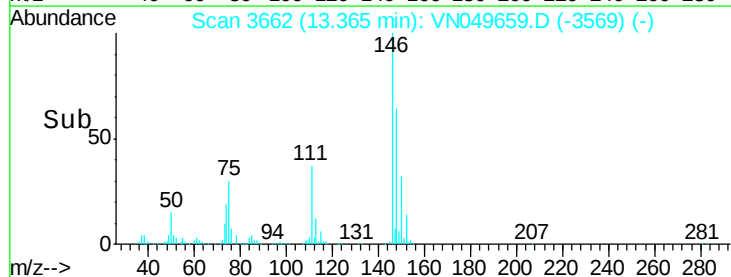
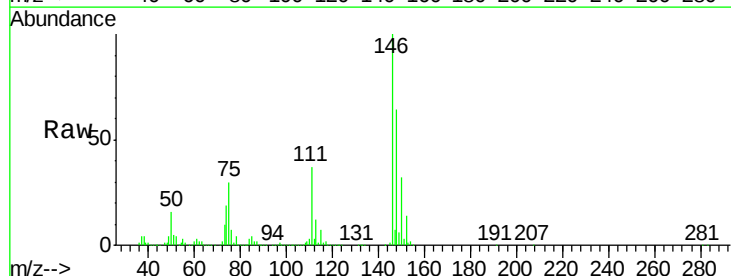
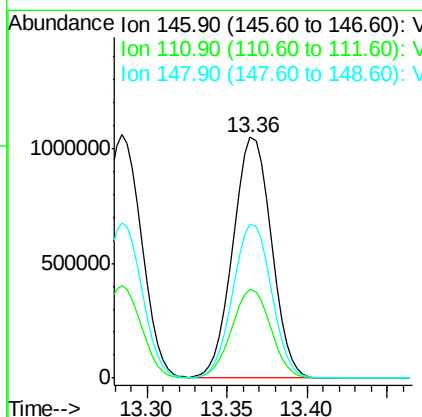
Manual Integrations
 APPROVED

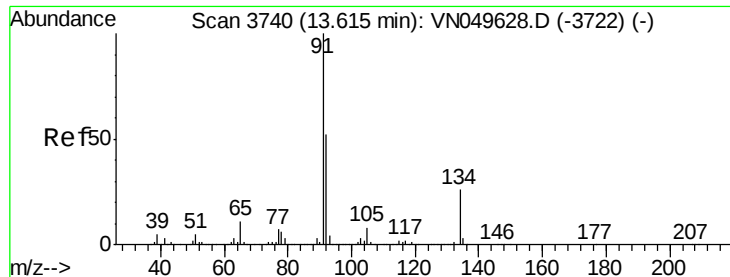
apatel
 7/2/2018 4:17:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.755 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion:146 Resp: 1723672
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.5
 148 64.0 32.1 96.3





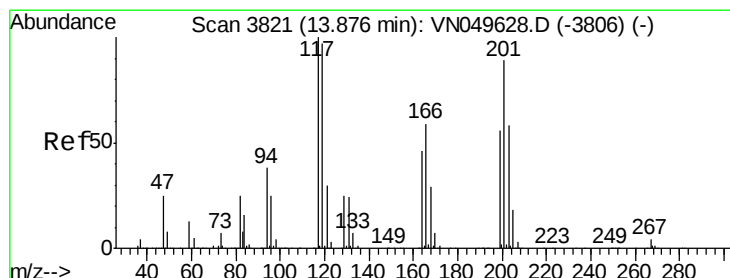
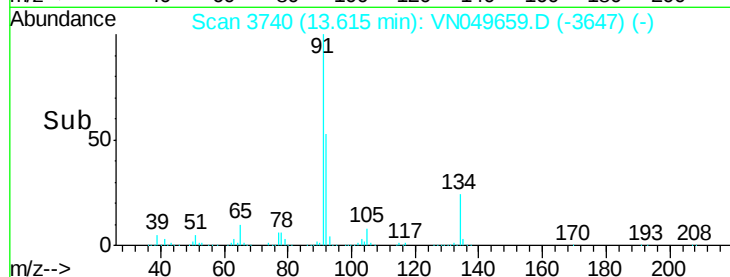
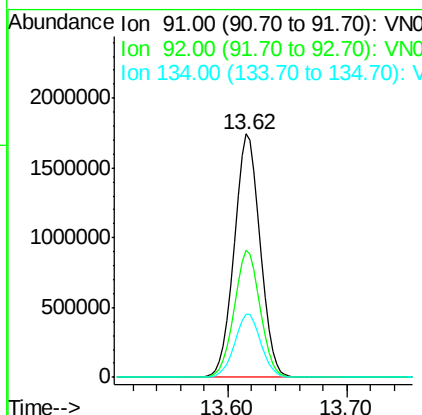
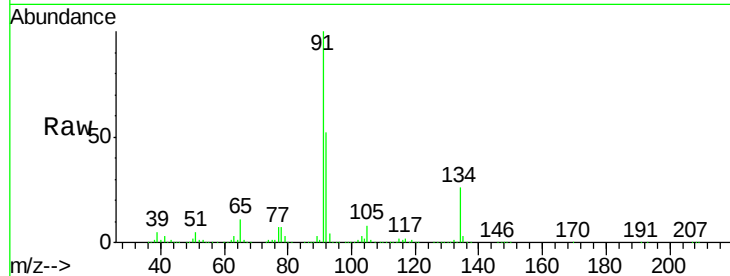
#89
n-Butylbenzene
Concen: 44.917 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2621563
Ion Ratio Lower Upper
91 100
92 52.1 25.8 77.3
134 26.2 13.0 38.9

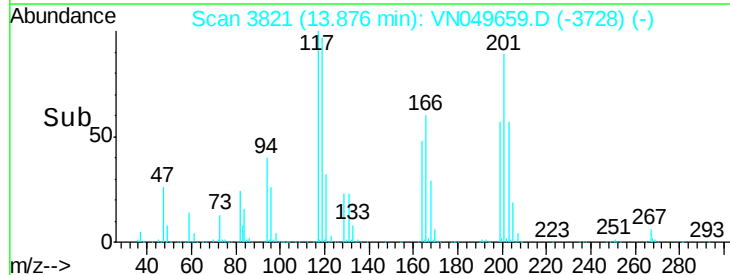
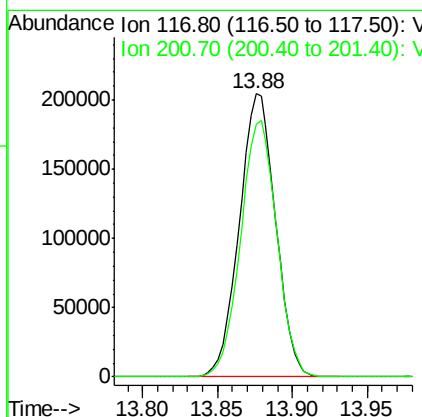
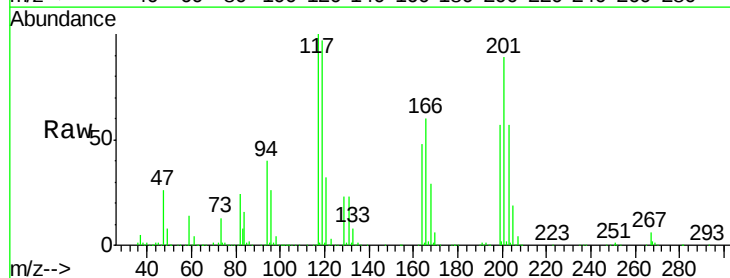
Manual Integrations
APPROVED

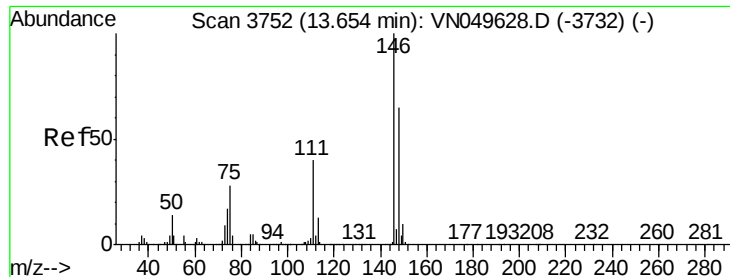
apatel
7/2/2018 4:17:59 PM



#90
Hexachloroethane
Concen: 47.990 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion: 117 Resp: 343655
Ion Ratio Lower Upper
117 100
201 90.8 45.3 135.8





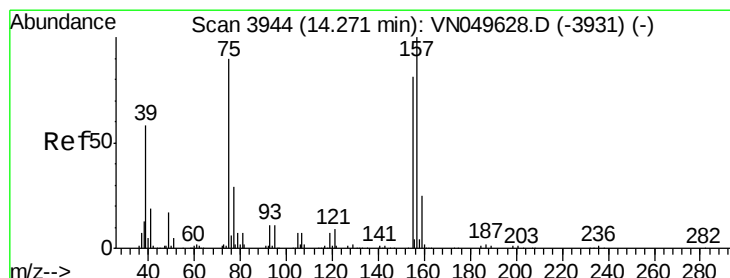
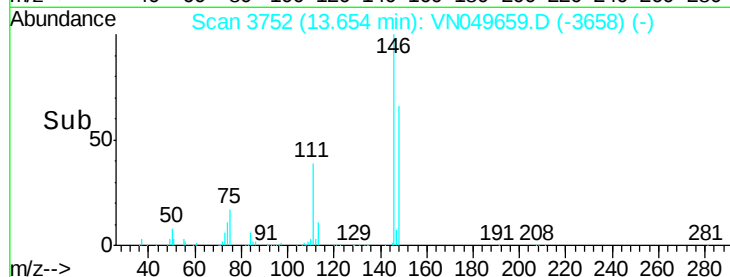
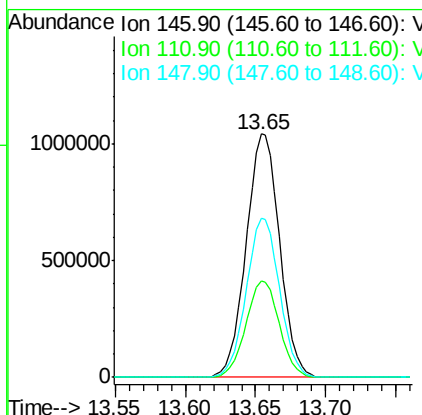
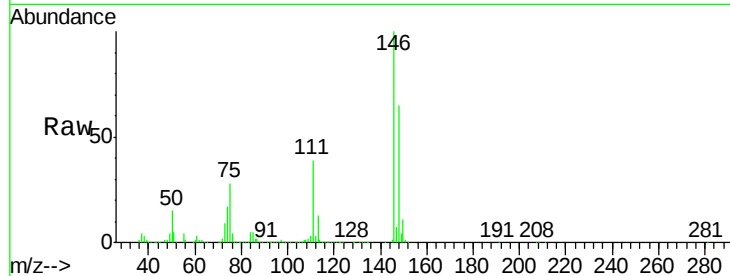
#91
 1,2-Dichlorobenzene
 Concen: 47.009 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	65.1	32.0	96.2

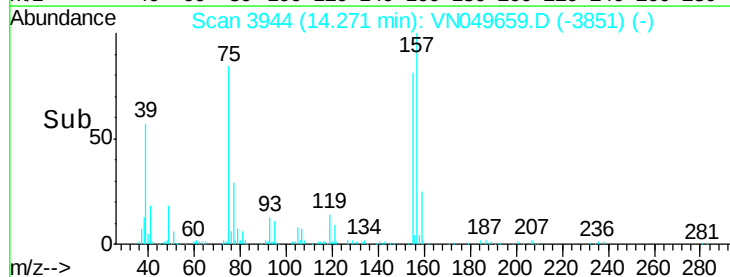
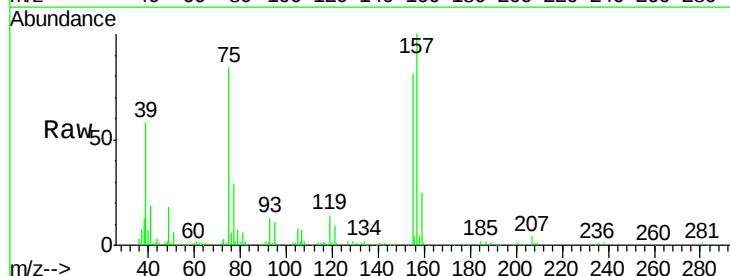
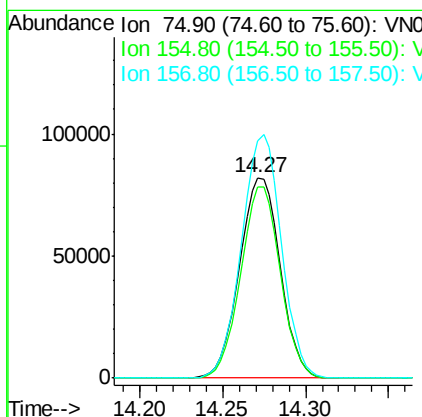
Manual Integrations
 APPROVED

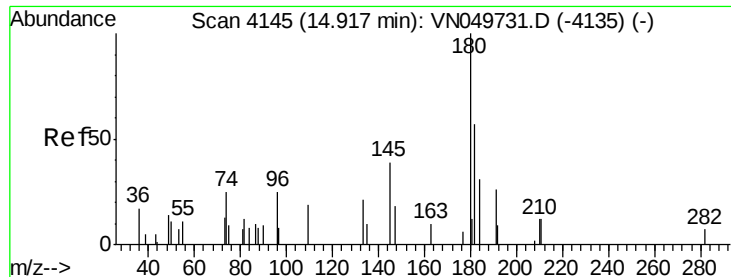
apatel
 7/2/2018 4:17:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.307 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.7	137.1
157	119.2	56.9	170.7





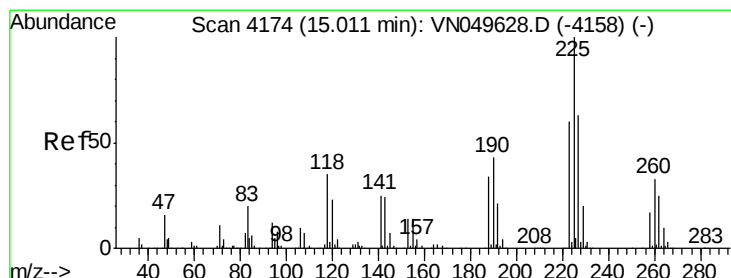
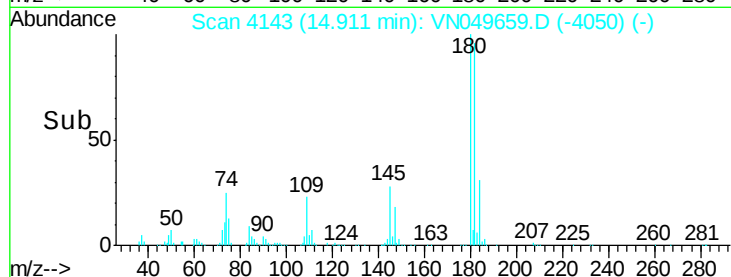
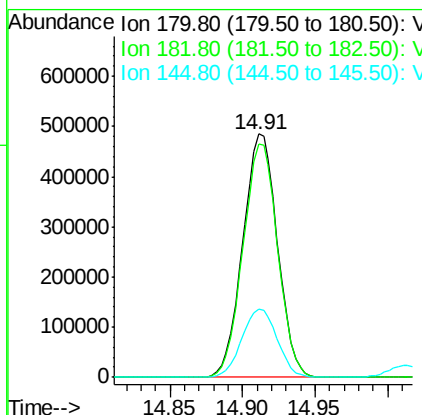
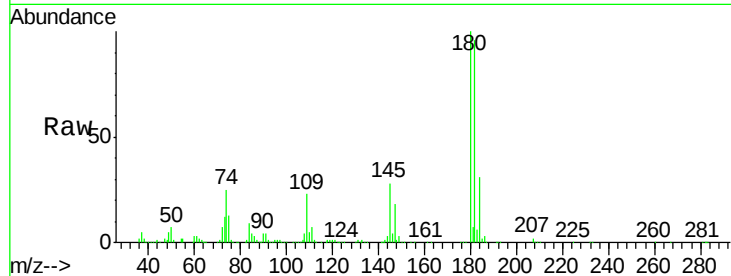
#93
 1,2,4-Trichlorobenzene
 Concen: 42.222 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	28.7	14.4	43.0

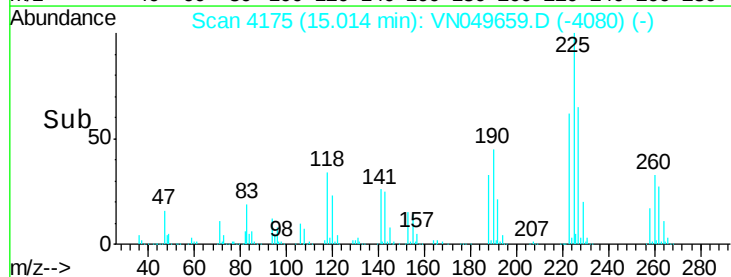
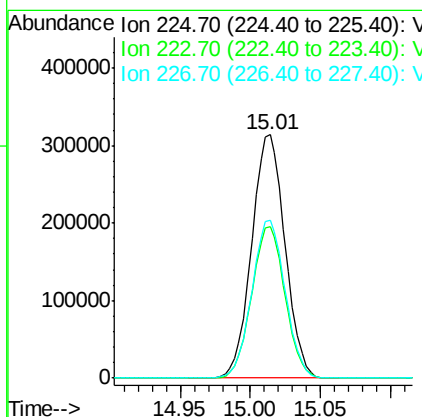
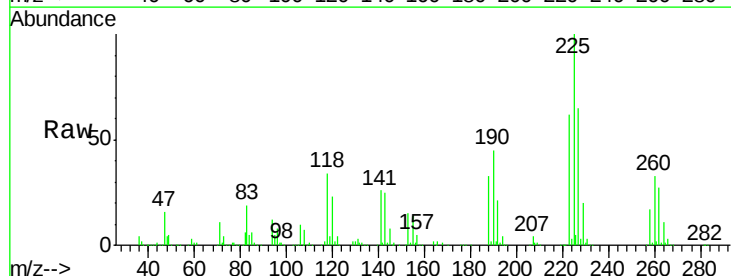
Manual Integrations
 APPROVED

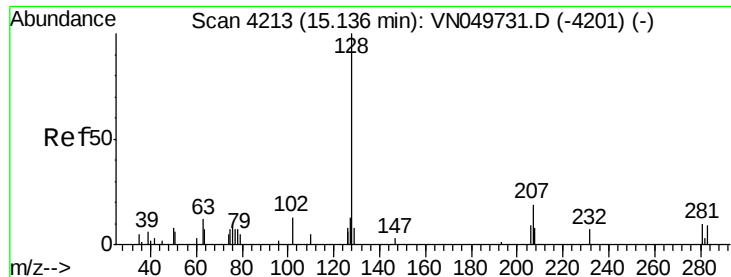
apatel
 7/2/2018 4:17:59 PM



#94
 Hexachlorobutadiene
 Concen: 46.655 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049659.D
 Acq: 30 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.7
227	64.7	31.8	95.4





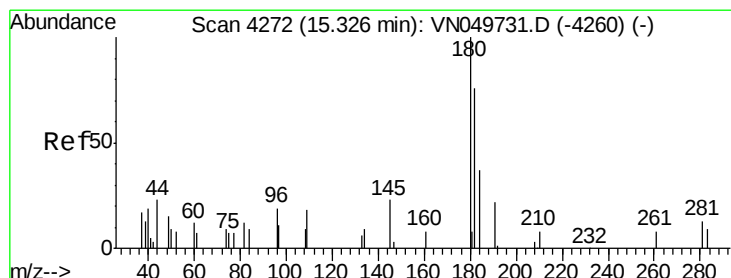
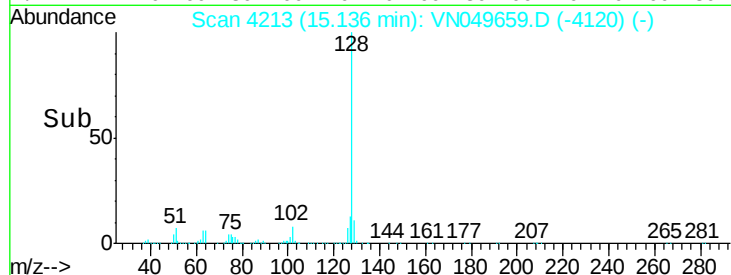
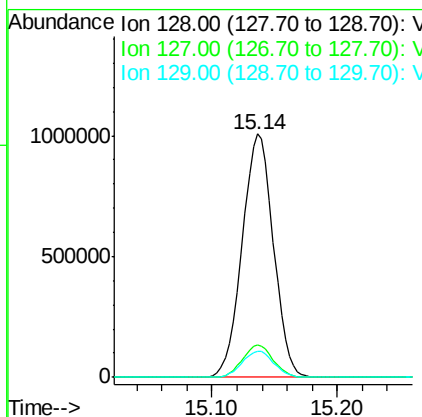
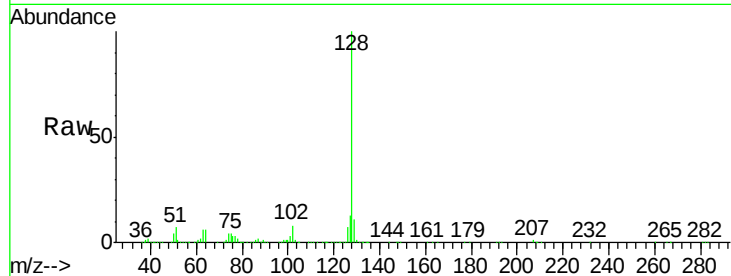
#95
Naphthalene
Concen: 41.867 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 1746027
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.630 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049659.D
Acq: 30 Jun 2018 20:27

Tgt Ion:180 Resp: 793567
Ion Ratio Lower Upper
180 100
182 96.4 47.4 142.2
145 30.5 15.2 45.6

