

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059668.D
 Acq On : 19 Dec 2019 13:57
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:27 AM

Quant Time: Dec 20 03:17:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	287107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	176459	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.57	113	137295	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.08	98	420754	42.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.54%	
62) 4-Bromofluorobenzene	12.40	95	144415	39.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	56583	15.252	ug/l	97
3) Chloromethane	2.04	50	69145	11.744	ug/l	100
4) Vinyl Chloride	2.17	62	82219	14.727	ug/l	99
5) Bromomethane	2.55	94	49032	15.107	ug/l	100
6) Chloroethane	2.68	64	50489	16.091	ug/l	98
7) Trichlorofluoromethane	3.00	101	93908	15.330	ug/l	100
8) Diethyl Ether	3.38	74	37917	19.811	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	53827	17.437	ug/l	95
10) Methyl Iodide	3.92	142	78088	19.108	ug/l	95
11) Tert butyl alcohol	4.76	59	56866	74.244	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	52967	17.589	ug/l	95
13) Acrolein	3.58	56	31898	58.464	ug/l	96
14) Allyl chloride	4.29	41	121077	19.586	ug/l	88
15) Acrylonitrile	4.95	53	168954	91.194	ug/l	97
16) Acetone	3.79	43	144334	58.189	ug/l	93
17) Carbon Disulfide	4.02	76	181915	18.094	ug/l	99
18) Methyl Acetate	4.29	43	105693	20.335	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	185794	17.474	ug/l	98
20) Methylene Chloride	4.52	84	66179	18.474	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	57482	17.123	ug/l	97
22) Diisopropyl ether	5.92	45	213406	18.725	ug/l	97
23) Vinyl Acetate	5.86	43	801736	89.640	ug/l	99
24) 1,1-Dichloroethane	5.82	63	110540	17.122	ug/l	98
25) 2-Butanone	6.81	43	252255	85.046	ug/l	100
26) 2,2-Dichloropropane	6.80	77	103744	17.681	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	71589	19.245	ug/l	99
28) Bromochloromethane	7.17	49	54034	20.201	ug/l	99
29) Tetrahydrofuran	7.18	42	174423	96.516	ug/l	98
30) Chloroform	7.35	83	121716	19.154	ug/l	98
31) Cyclohexane	7.63	56	115996	19.015	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	97400	17.001	ug/l	98
36) 1,1-Dichloropropene	7.77	75	88200	21.050	ug/l	99
37) Ethyl Acetate	6.90	43	105645	21.693	ug/l	99
38) Carbon Tetrachloride	7.75	117	84954	19.539	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059668.D
 Acq On : 19 Dec 2019 13:57
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:27 AM

Quant Time: Dec 20 03:17:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	96009	20.201	ug/l	98
40) Benzene	8.02	78	269042	21.972	ug/l	100
41) Methacrylonitrile	7.14	41	42786	21.288	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	82216	17.532	ug/l	96
43) Isopropyl Acetate	8.14	43	132696	17.526	ug/l	95
44) Trichloroethene	8.82	130	63266	19.725	ug/l	99
45) 1,2-Dichloropropane	9.10	63	68839	20.819	ug/l	98
46) Dibromomethane	9.19	93	43691	20.168	ug/l	95
47) Bromodichloromethane	9.39	83	92522	21.422	ug/l	100
48) Methyl methacrylate	9.18	41	60321	17.560	ug/l #	85
49) 1,4-Dioxane	9.19	88	19027	386.508	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	383009	84.844	ug/l	100
52) Toluene	10.14	92	122956	16.342	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	82834	16.583	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	88175	16.793	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	51201	17.343	ug/l	100
56) Ethyl methacrylate	10.42	69	71930	16.412	ug/l	99
57) 1,3-Dichloropropane	10.70	76	88644	17.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	135236	97.018	ug/l	100
59) 2-Hexanone	10.74	43	268095	75.353	ug/l	100
60) Dibromochloromethane	10.90	129	53106	16.481	ug/l	100
61) 1,2-Dibromoethane	11.00	107	51455	16.434	ug/l	98
64) Tetrachloroethene	10.62	164	51947	17.788	ug/l	99
65) Chlorobenzene	11.43	112	129447	19.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	50762	19.716	ug/l	100
67) Ethyl Benzene	11.51	91	236638	19.341	ug/l	100
68) m/p-Xylenes	11.62	106	167321	37.034	ug/l	100
69) o-Xylene	11.94	106	80443	18.712	ug/l	96
70) Styrene	11.96	104	128989	18.675	ug/l	99
71) Bromoform	12.12	173	37597	19.426	ug/l #	98
73) Isopropylbenzene	12.25	105	218579	19.787	ug/l	99
74) N-amyl acetate	12.07	43	96687	19.081	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	70139	20.016	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	68633m	19.702	ug/l	
77) Bromobenzene	12.52	156	52292	19.249	ug/l	98
78) n-propylbenzene	12.59	91	259210	19.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	156742	19.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	187907	20.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26134	18.529	ug/l	96
82) 4-Chlorotoluene	12.77	91	160305	19.828	ug/l	99
83) tert-Butylbenzene	12.99	119	154553	19.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	184821	19.883	ug/l	100
85) sec-Butylbenzene	13.17	105	210151	19.956	ug/l	99
86) p-Isopropyltoluene	13.29	119	183285	19.217	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	92578	18.533	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93771	18.618	ug/l	100
89) n-Butylbenzene	13.61	91	165440	18.501	ug/l	99
90) Hexachloroethane	13.87	117	35900	19.913	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	91305	18.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15294	16.715	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
Data File : VN059668.D
Acq On : 19 Dec 2019 13:57
Operator : JC/SP
Sample : VN1219WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

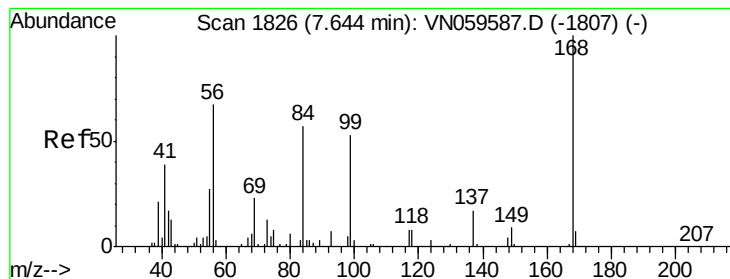
Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM

Quant Time: Dec 20 03:17:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53643	16.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	28834	17.765	ug/l	99
95) Naphthalene	15.12	128	156048	16.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	54594	16.968	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:168 Resp: 287107

Ion Ratio Lower Upper

168 100

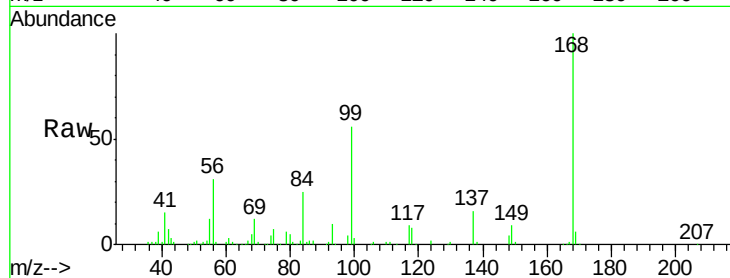
99 55.9 48.2 72.4

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

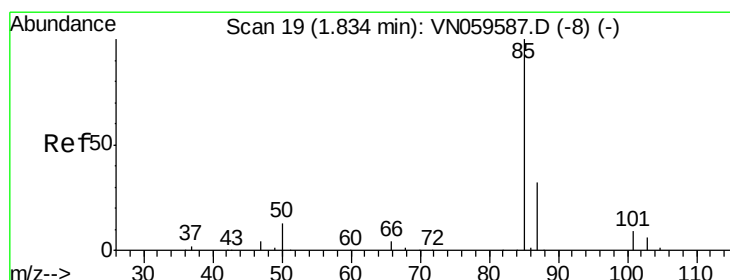
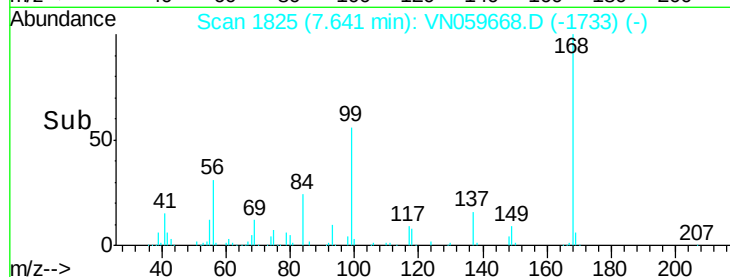
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.252 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059668.D

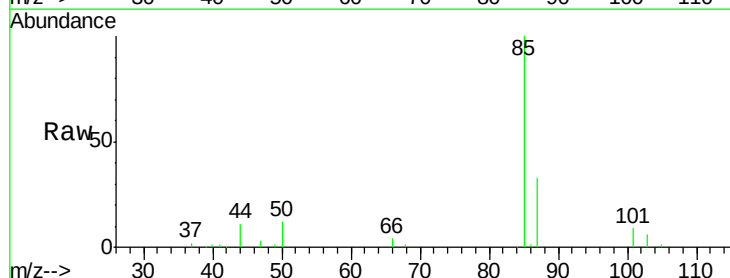
Acq: 19 Dec 2019 13:57

Tgt Ion: 85 Resp: 56583

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

50000

40000

30000

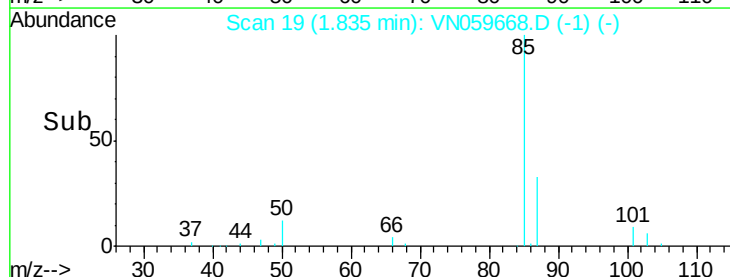
20000

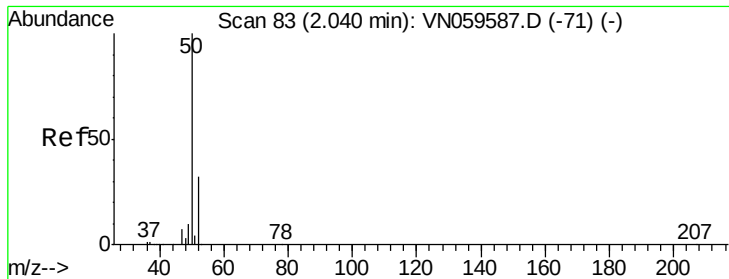
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 11.744 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 50 Resp: 69145

Ion Ratio Lower Upper

50 100

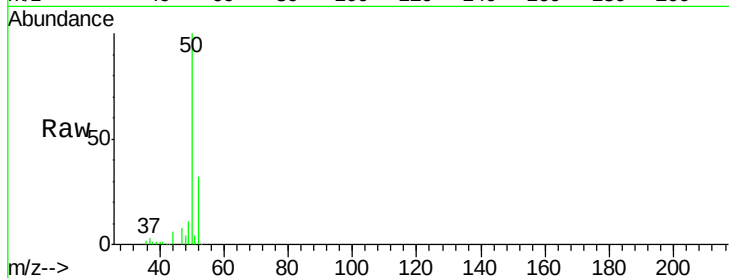
52 32.4 25.9 38.9

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM

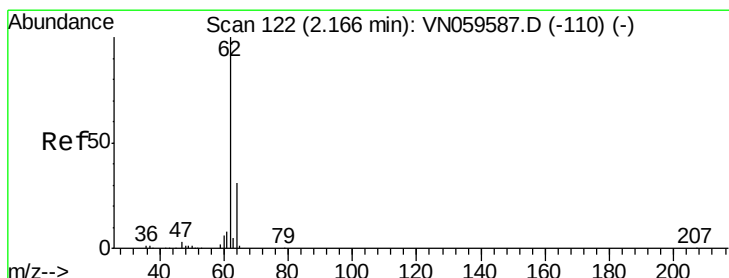
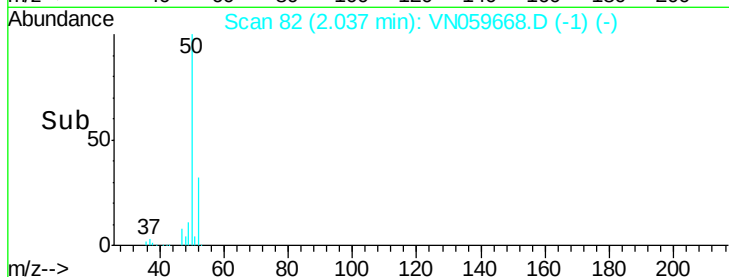


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

Time-->



#4

Vinyl Chloride

Concen: 14.727 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059668.D

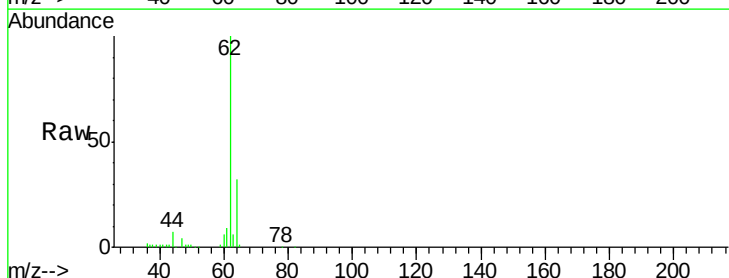
Acq: 19 Dec 2019 13:57

Tgt Ion: 62 Resp: 82219

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0

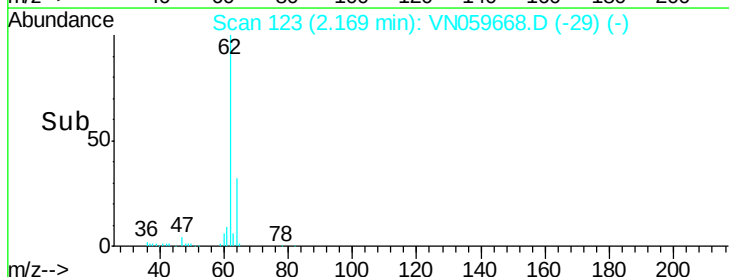


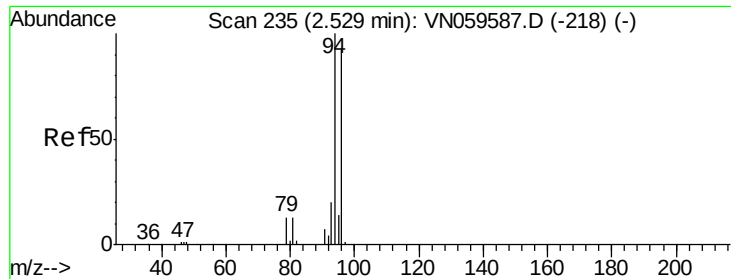
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

Time-->





#5

Bromomethane

Concen: 15.107 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 94 Resp: 49032

Ion Ratio Lower Upper

94 100

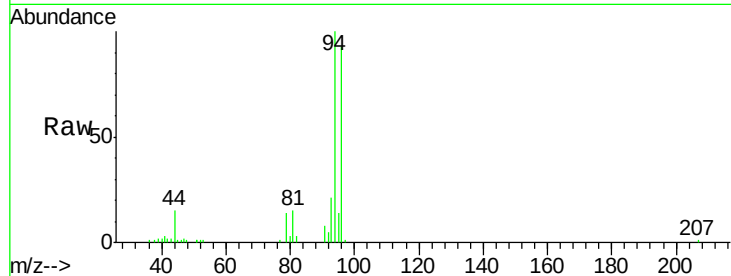
96 93.1 74.7 112.1

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM

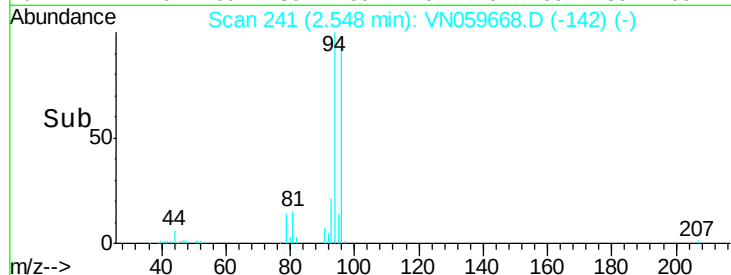


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

Time-->



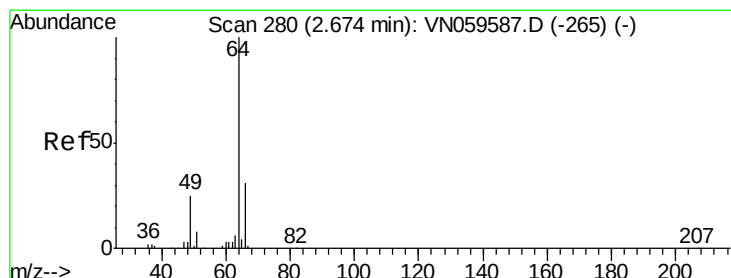
Abundance

Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

Time-->



#6

Chloroethane

Concen: 16.091 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059668.D

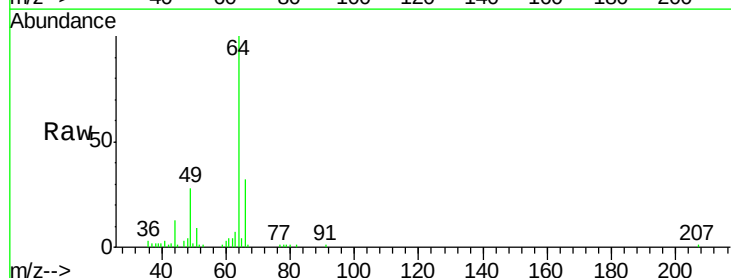
Acq: 19 Dec 2019 13:57

Tgt Ion: 64 Resp: 50489

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7

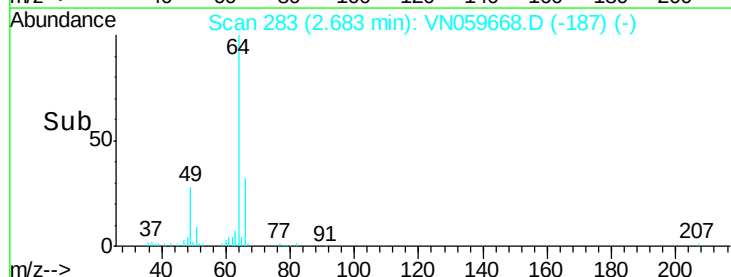


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->



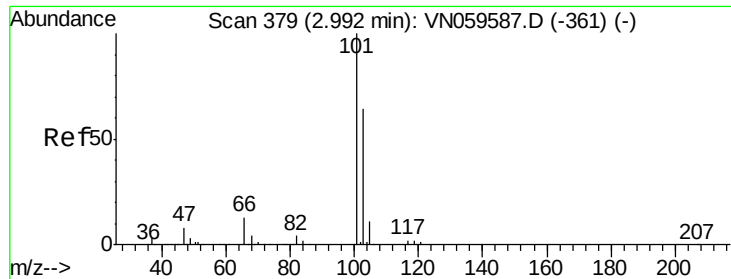
Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->



#7

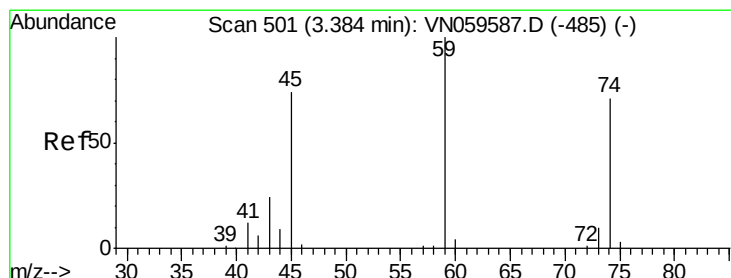
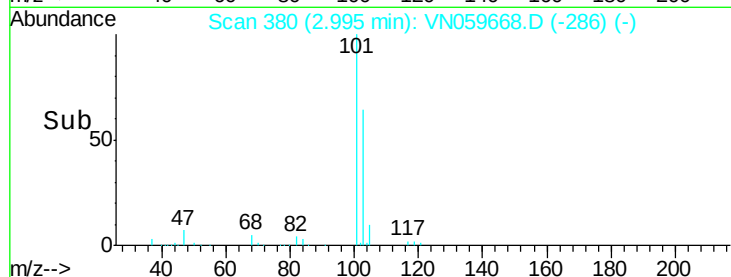
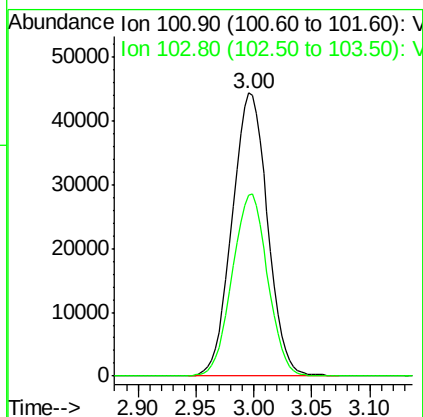
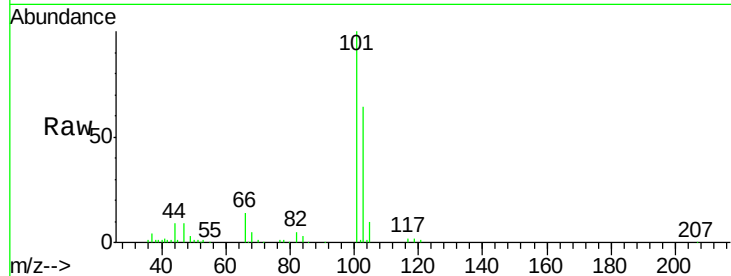
Trichlorofluoromethane
Concen: 15.330 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93908		
103	64.0	51.0	76.6		

Manual Integrations
APPROVED

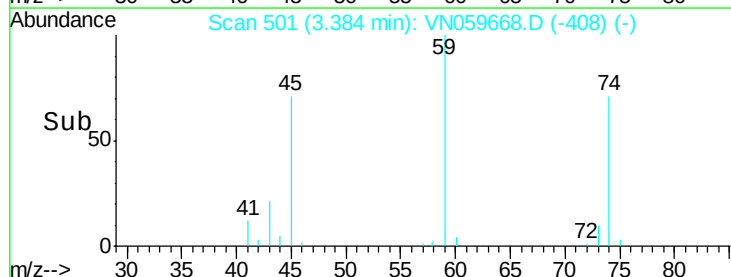
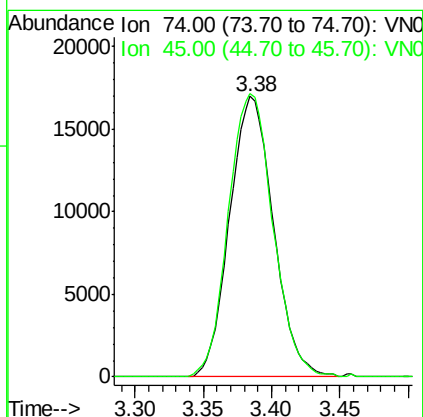
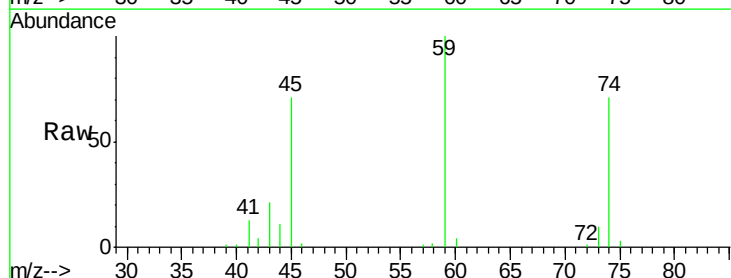
apatel
12/20/2019 9:20:27 AM

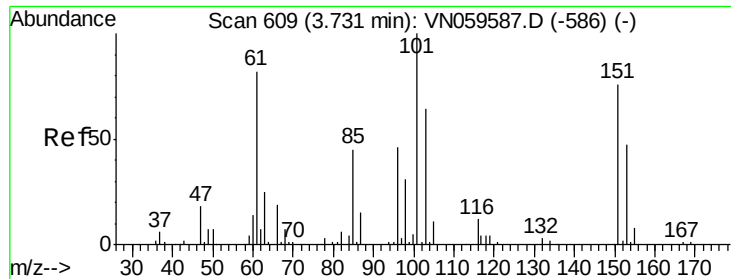


#8

Diethyl Ether
Concen: 19.811 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		37917		
45	102.7	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.437 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

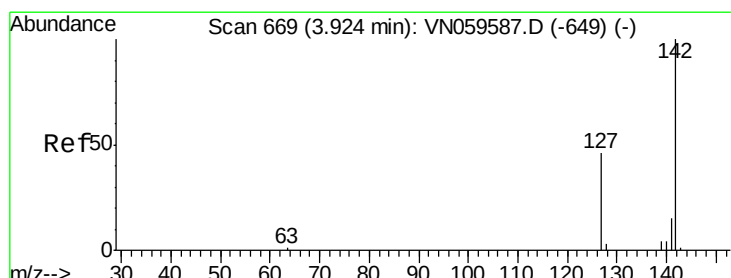
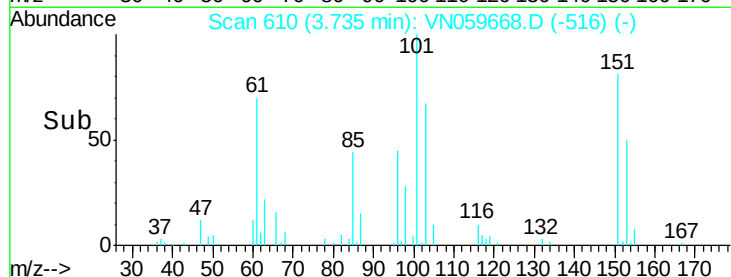
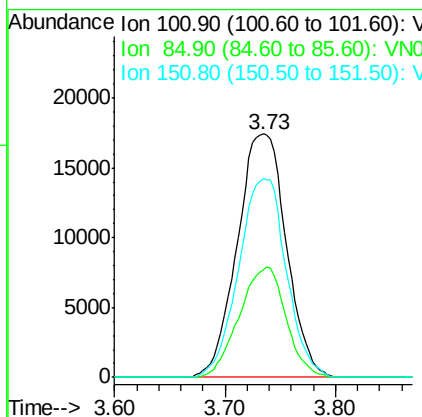
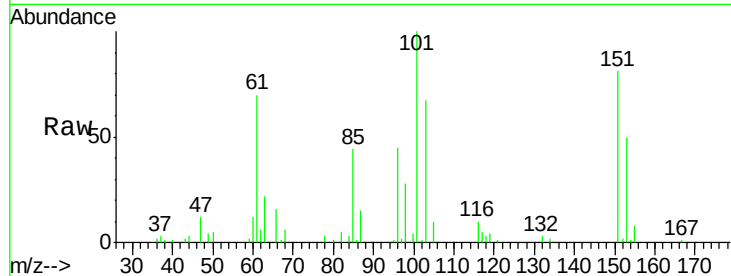
ClientSampleId :

VN1219WBSD01

Tot Ion:	101	Resp:	53827
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.6	54.8
151	79.3	59.7	89.5

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#10

Methyl Iodide

Concen: 19.108 ug/l

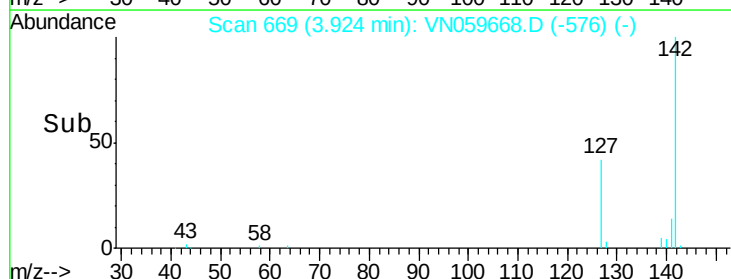
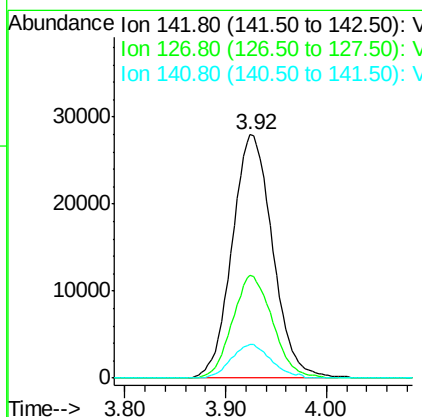
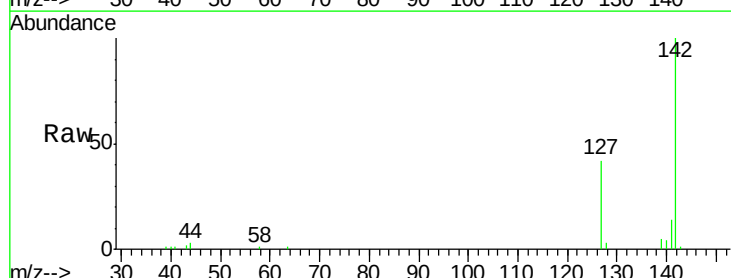
RT: 3.92 min Scan# 669

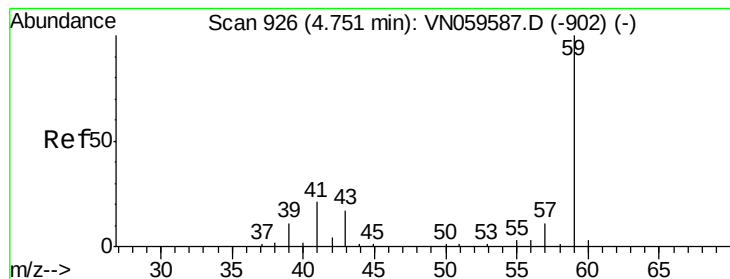
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	142	Resp:	78088
Ion Ratio	Lower	Upper	
142	100		
127	41.8	36.7	55.1
141	13.6	11.7	17.5





#11

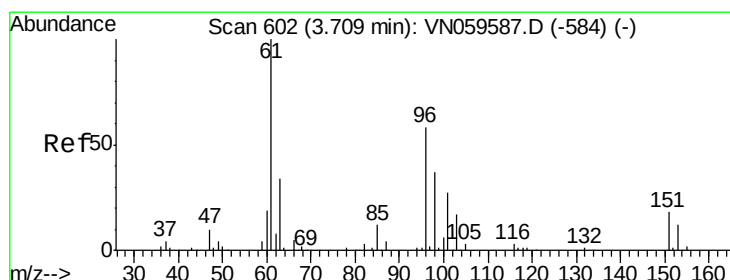
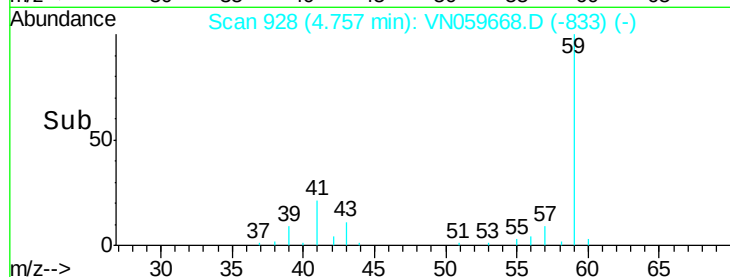
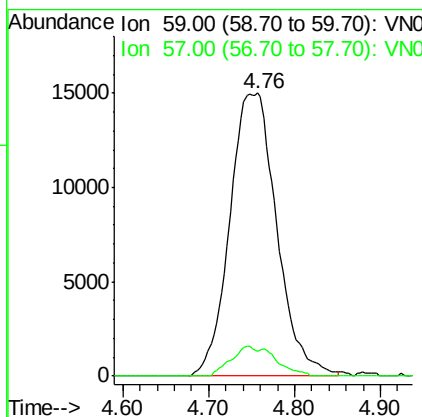
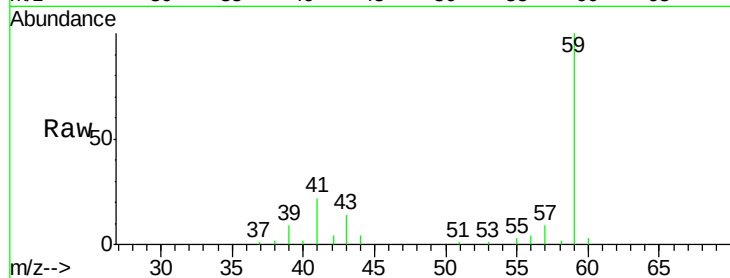
Tert butyl alcohol
 Concen: 74.244 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.6	12.8#

Manual Integrations
 APPROVED

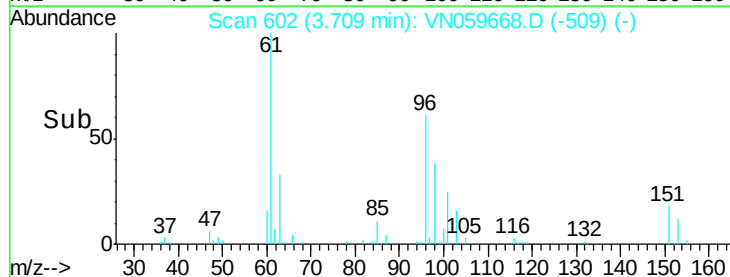
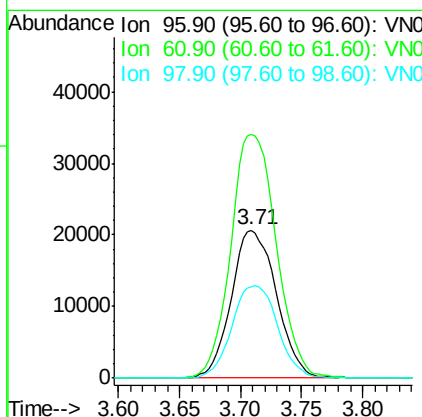
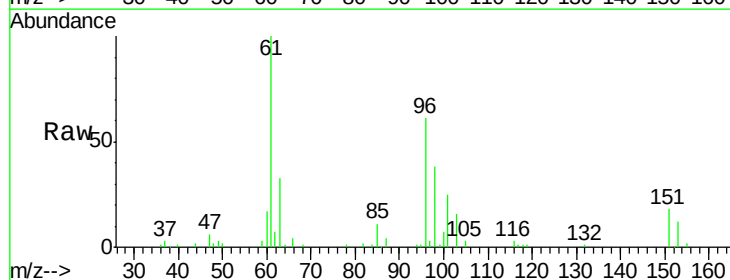
apatel
 12/20/2019 9:20:27 AM

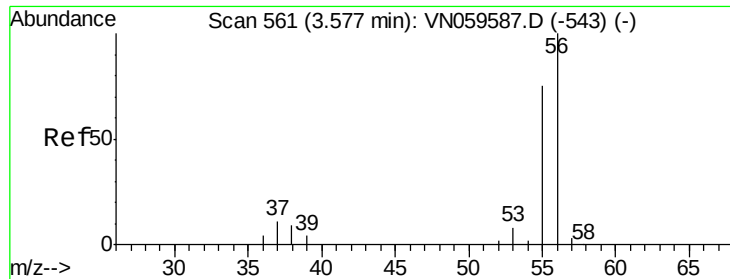


#12

1,1-Dichloroethene
 Concen: 17.589 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	137.5	206.3
98	61.9	50.2	75.4





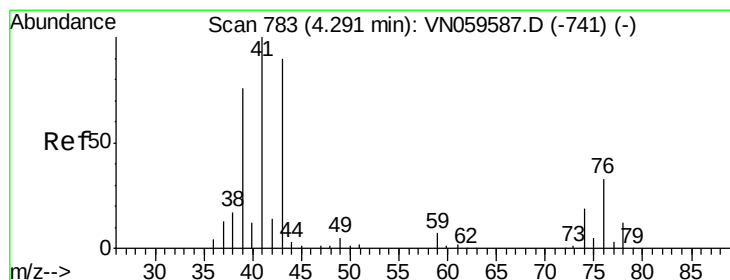
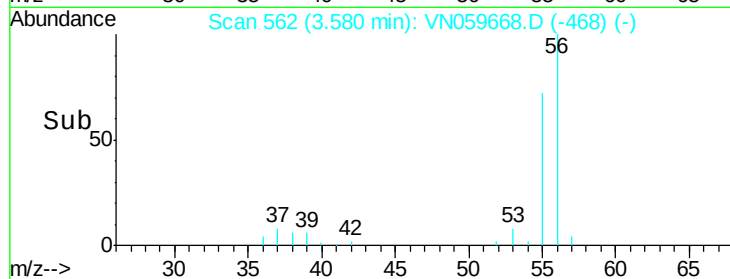
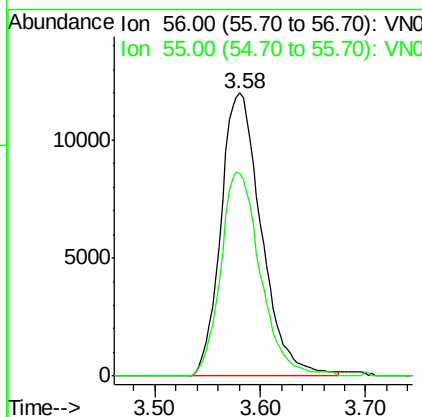
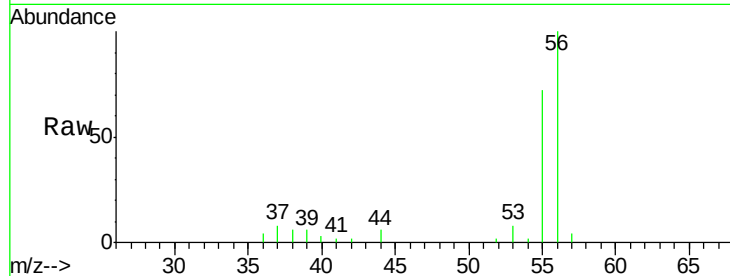
#13
Acrolein
Concen: 58.464 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 56 Resp: 31898
Ion Ratio Lower Upper
56 100
55 69.9 58.6 88.0

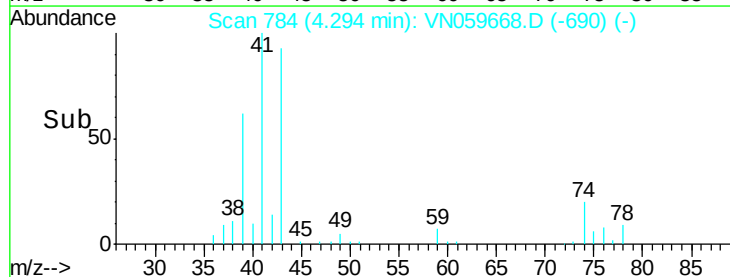
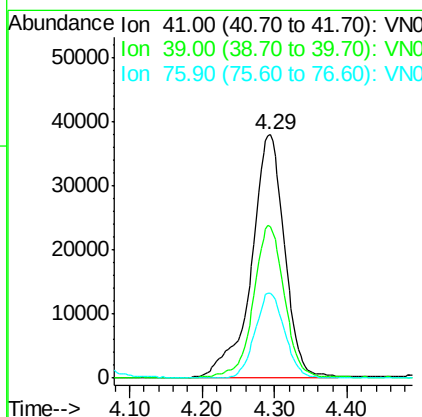
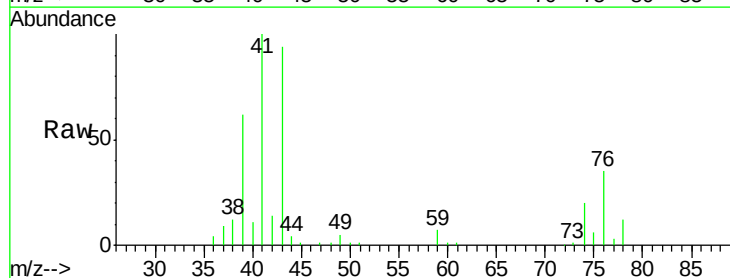
Manual Integrations
APPROVED

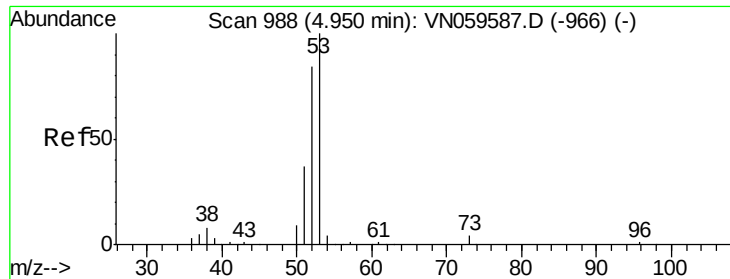
apatel
12/20/2019 9:20:27 AM



#14
Allyl chloride
Concen: 19.586 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion: 41 Resp: 121077
Ion Ratio Lower Upper
41 100
39 58.9 57.8 86.8
76 31.0 25.4 38.0





#15

Acrylonitrile

Concen: 91.194 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

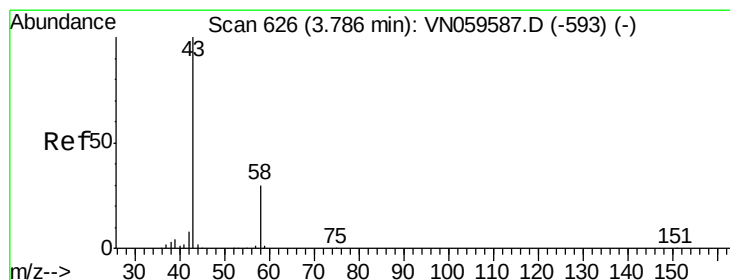
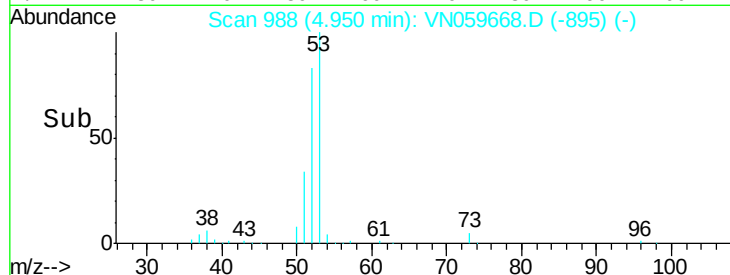
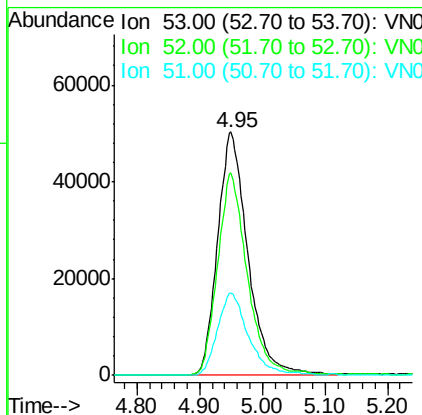
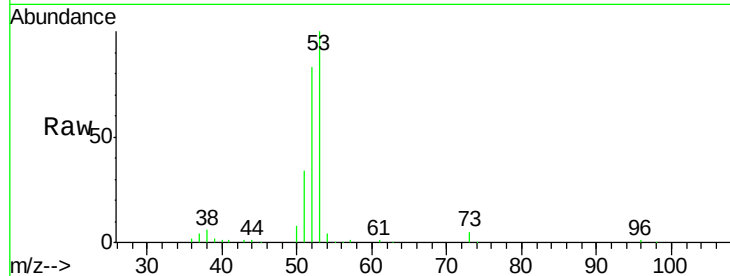
ClientSampleId :

VN1219WBSD01

Tot Ion:	53	Resp:	168954
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.3	99.5
51	34.8	29.7	44.5

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#16

Acetone

Concen: 58.189 ug/l

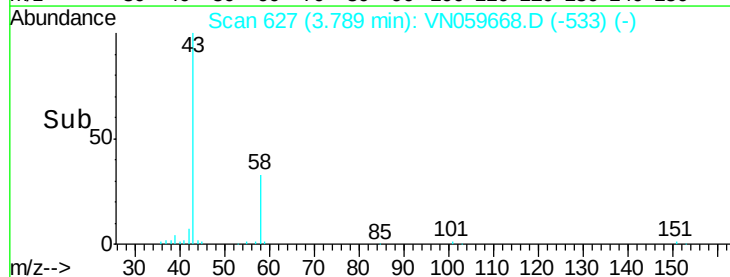
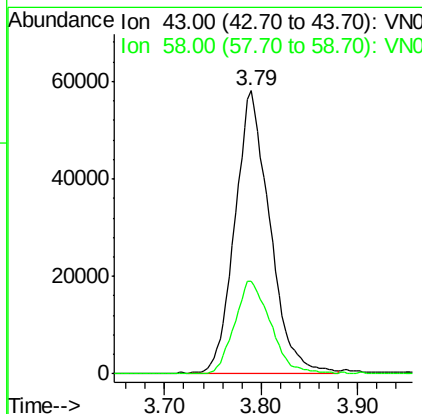
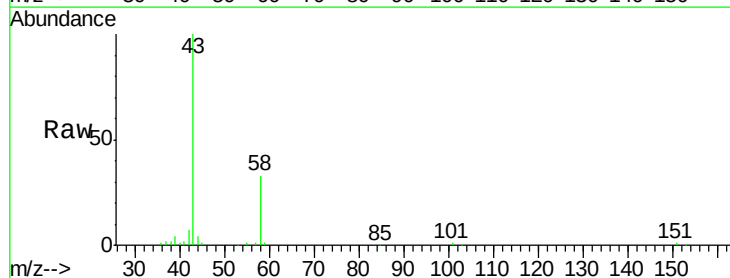
RT: 3.79 min Scan# 627

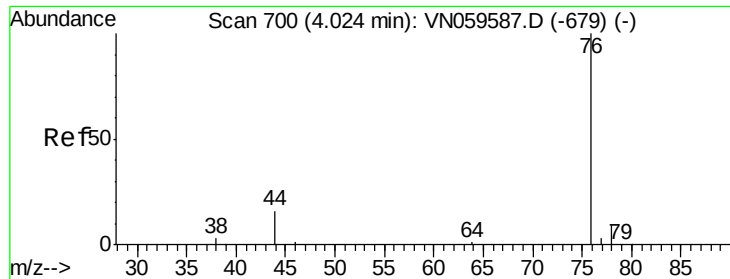
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	43	Resp:	144334
Ion	Ratio	Lower	Upper
43	100		
58	33.0	23.6	35.4





#17

Carbon Disulfide

Concen: 18.094 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 76 Resp: 181915

Ion Ratio Lower Upper

76 100

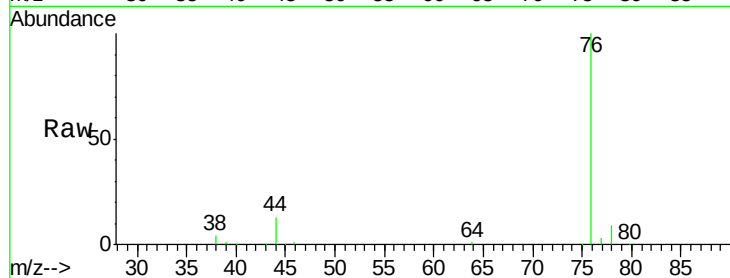
78 9.4 7.4 11.0

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

60000

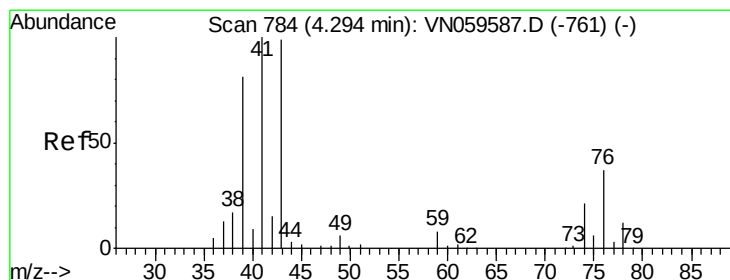
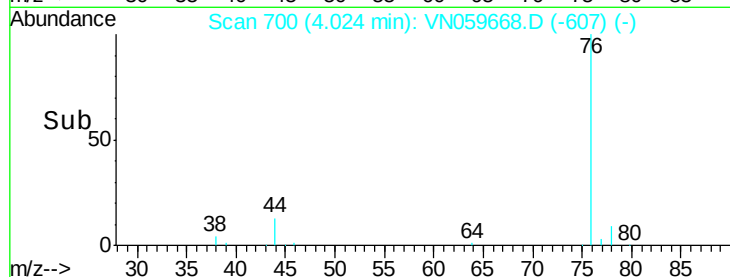
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 20.335 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059668.D

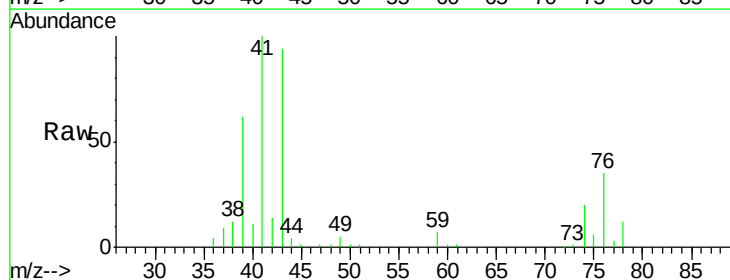
Acq: 19 Dec 2019 13:57

Tgt Ion: 43 Resp: 105693

Ion Ratio Lower Upper

43 100

74 21.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

40000

30000

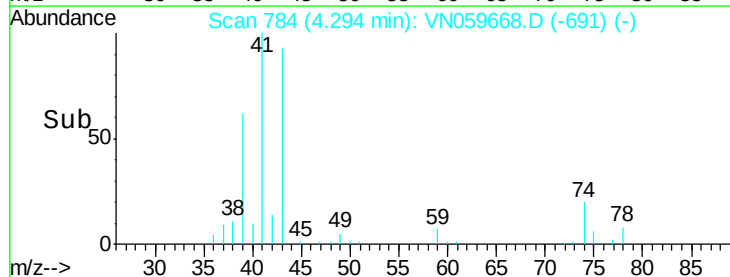
20000

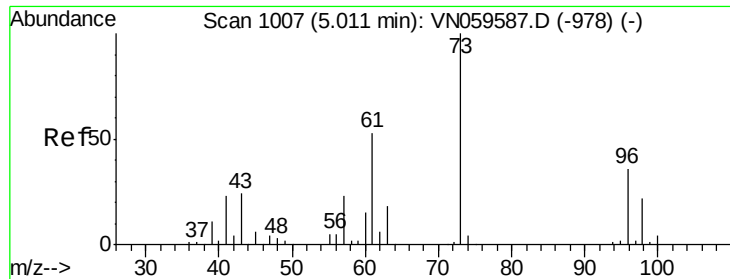
10000

0

Time-->

4.20 4.30 4.40 4.50





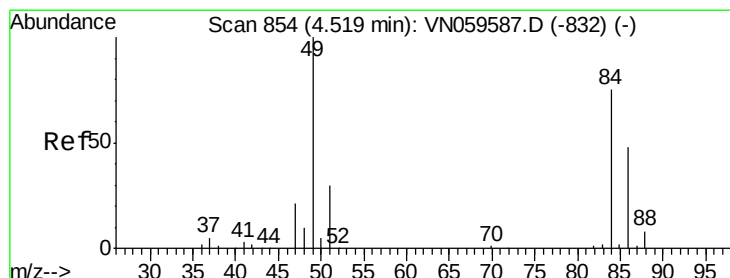
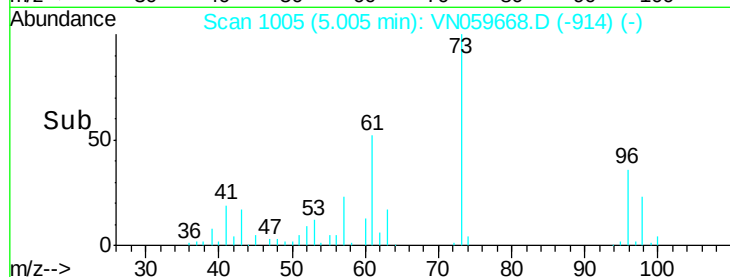
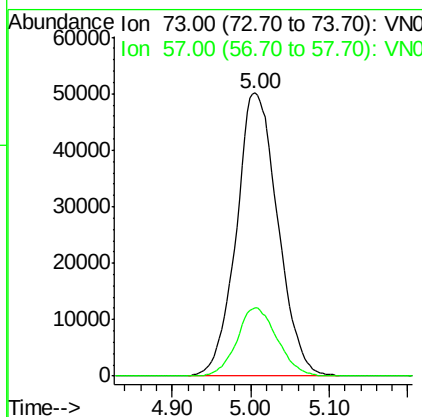
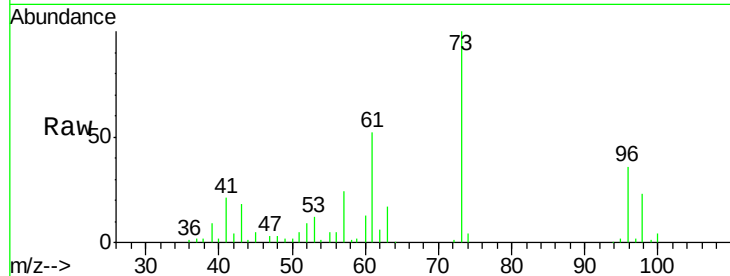
#19
Methyl tert-butyl Ether
Concen: 17.474 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 73 Resp: 185794
Ion Ratio Lower Upper
73 100
57 24.2 18.6 27.8

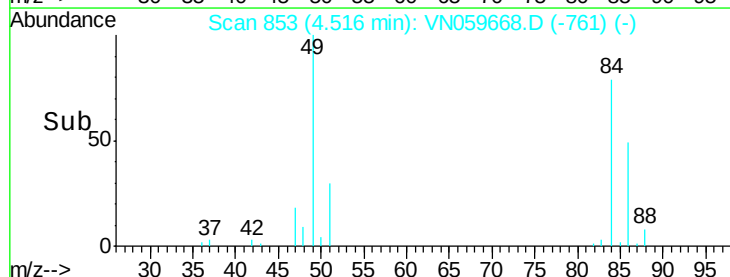
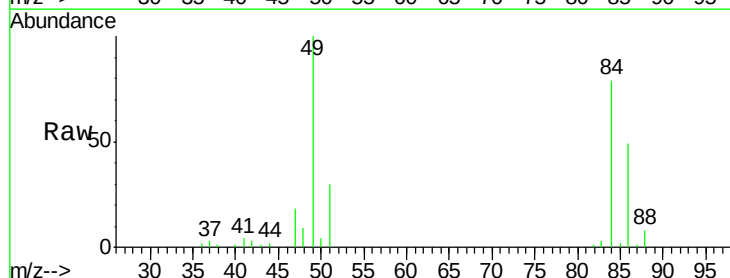
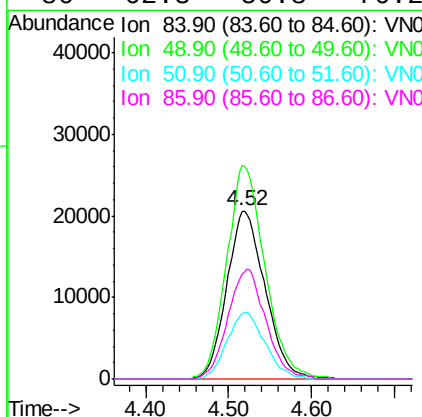
Manual Integrations
APPROVED

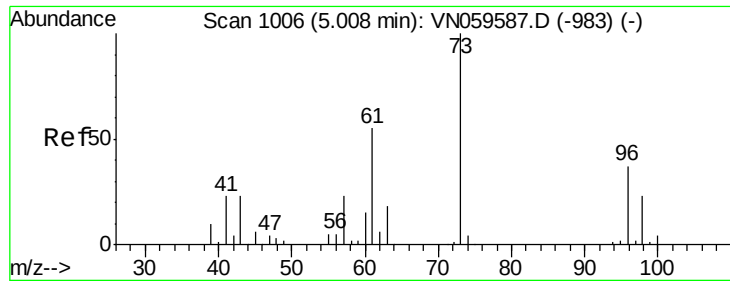
apatel
12/20/2019 9:20:27 AM



#20
Methylene Chloride
Concen: 18.474 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion: 84 Resp: 66179
Ion Ratio Lower Upper
84 100
49 127.3 106.6 160.0
51 38.6 31.9 47.9
86 62.3 50.8 76.2





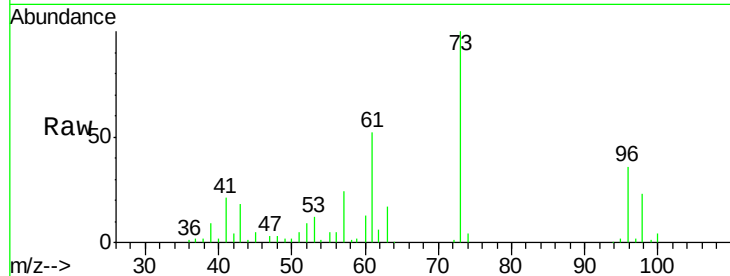
#21
trans-1,2-Dichloroethene
Concen: 17.123 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	120.4	180.6
98	64.5	50.6	75.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM

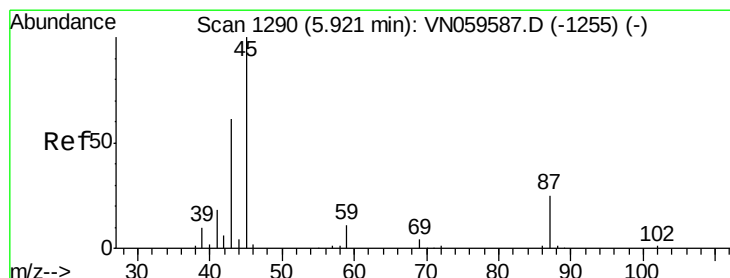
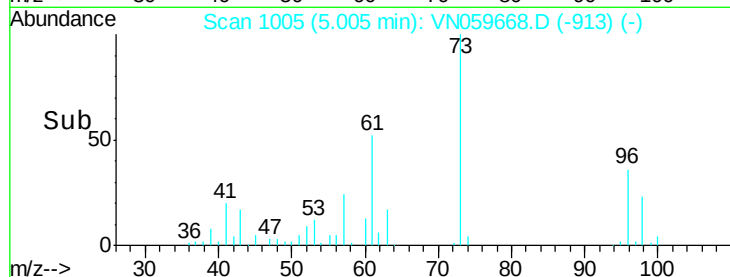
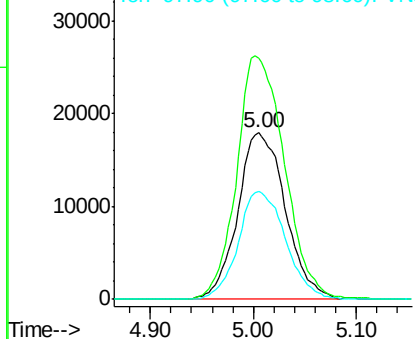


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 18.725 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.8	50.8	76.2
87	25.1	21.0	31.6
59	12.1	9.1	13.7

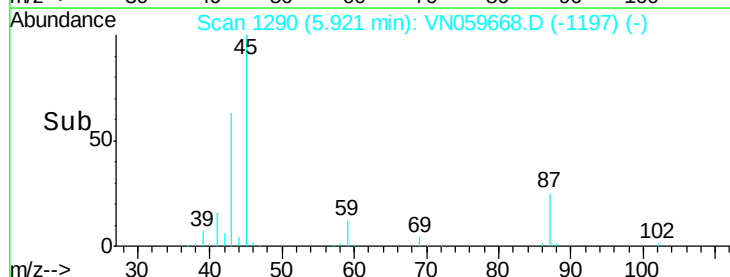
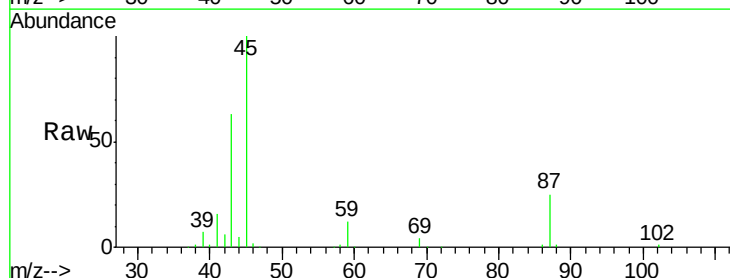
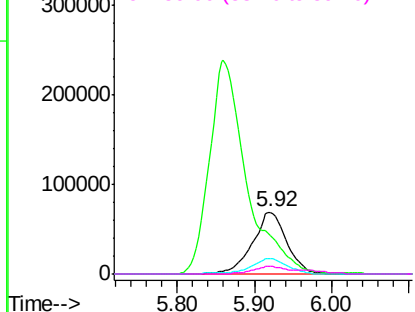
Abundance

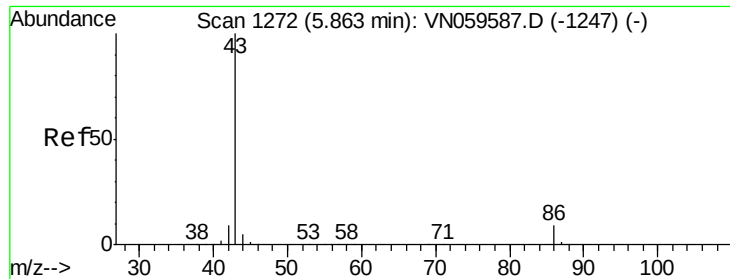
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 89.640 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleID :

VN1219WBSD01

Tot Ion: 43 Resp: 801736

Ion Ratio Lower Upper

43 100

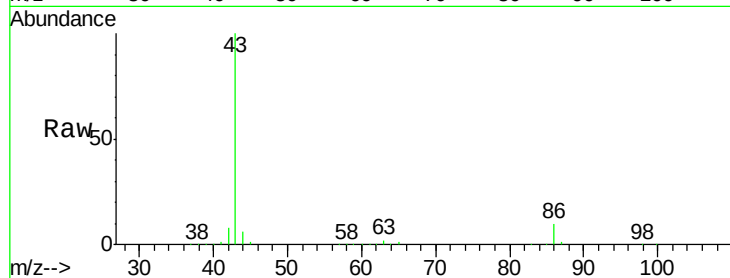
86 9.9 7.6 11.4

Manual Integrations

APPROVED

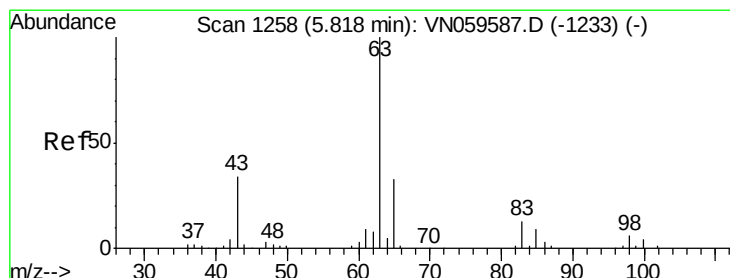
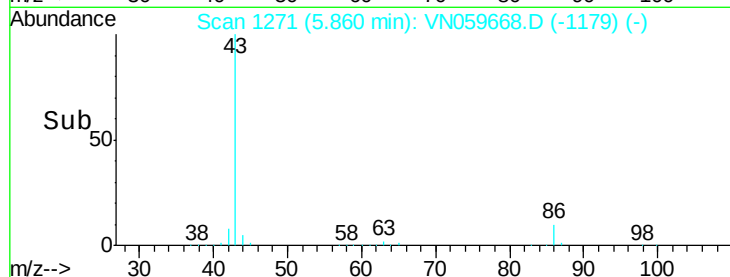
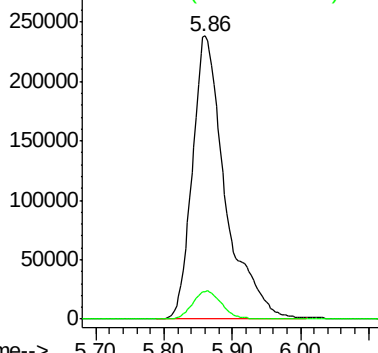
apatel

12/20/2019 9:20:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.122 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

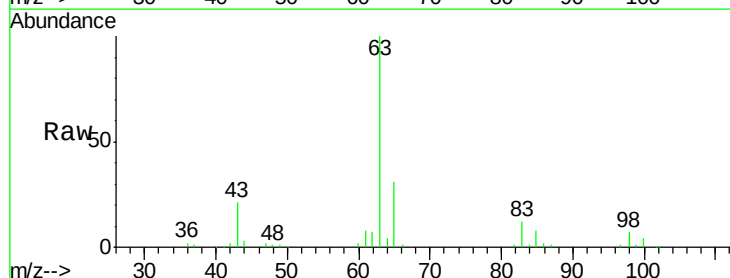
Tgt Ion: 63 Resp: 110540

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

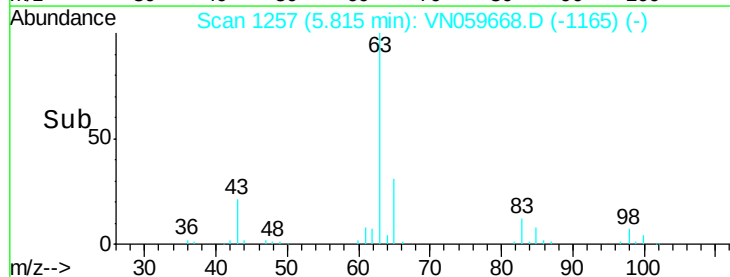
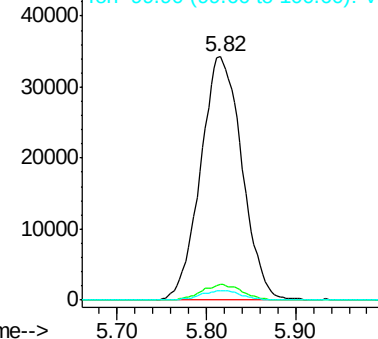
100 3.8 2.0 6.0

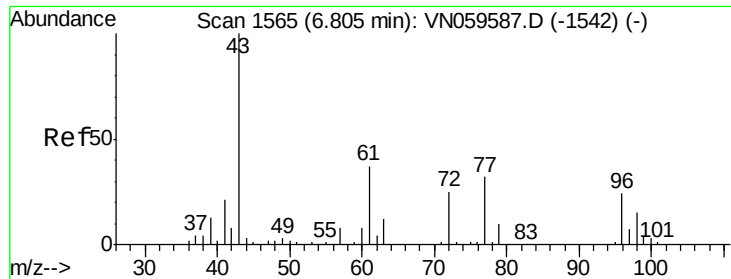


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





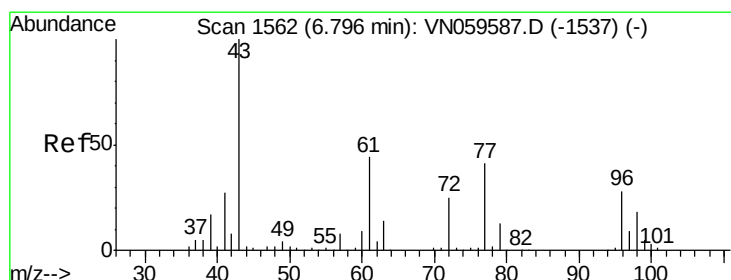
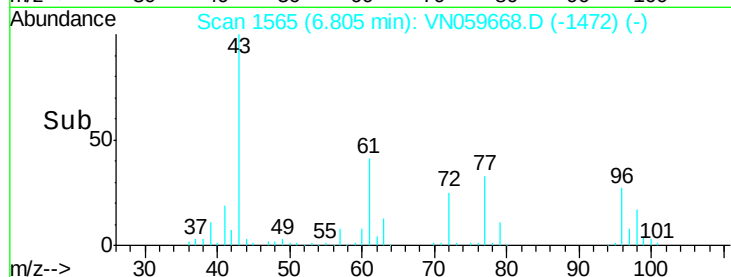
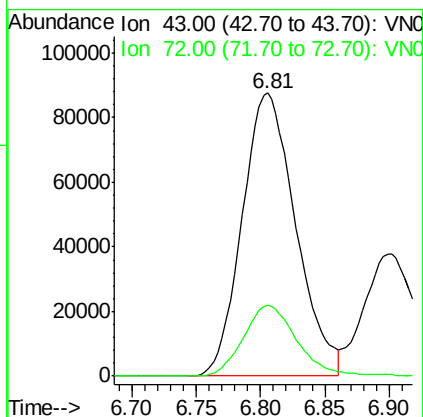
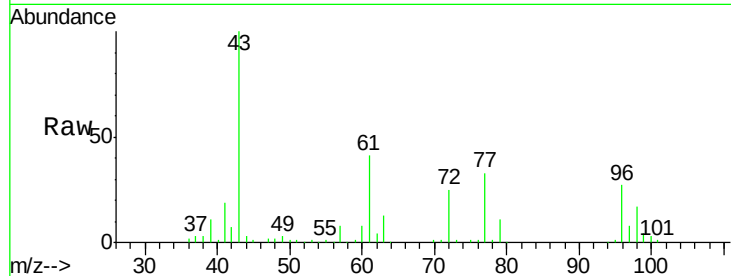
#25
2-Butanone
Concen: 85.046 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 43 Resp: 252255
Ion Ratio Lower Upper
43 100
72 25.1 19.9 29.9

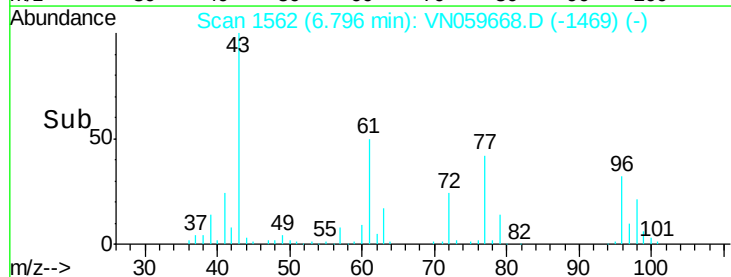
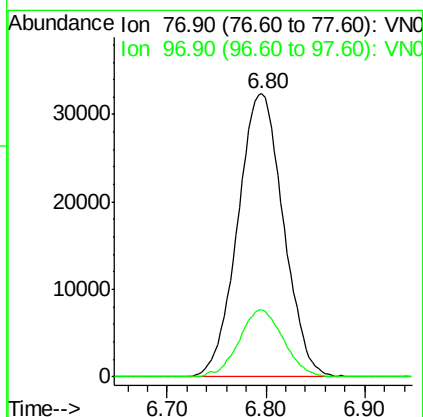
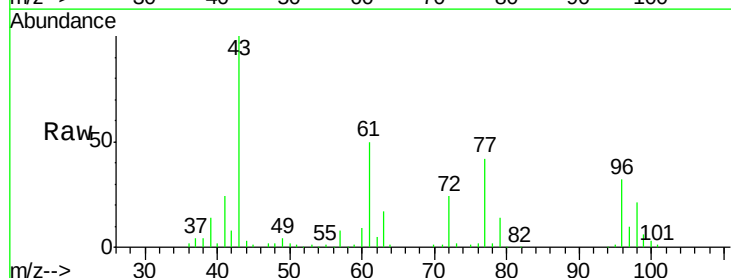
Manual Integrations
APPROVED

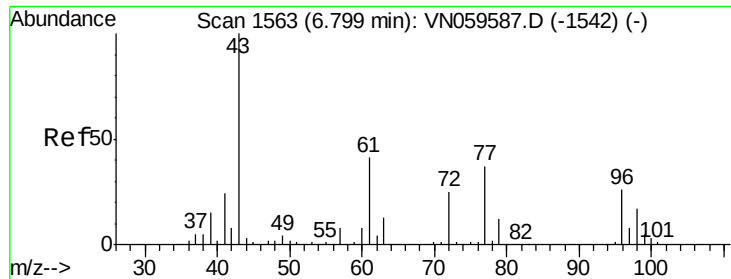
apatel
12/20/2019 9:20:27 AM



#26
2,2-Dichloropropane
Concen: 17.681 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion: 77 Resp: 103744
Ion Ratio Lower Upper
77 100
97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

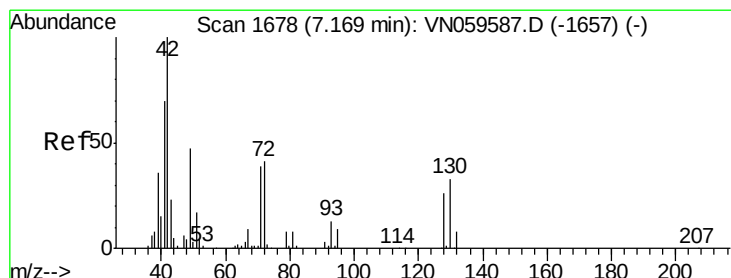
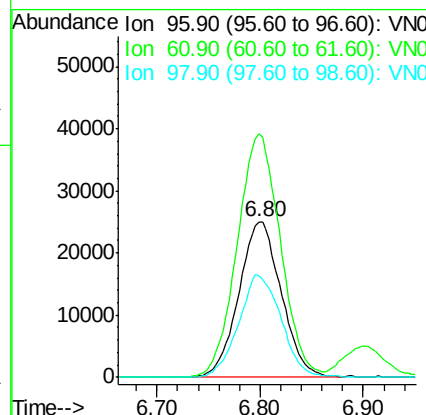
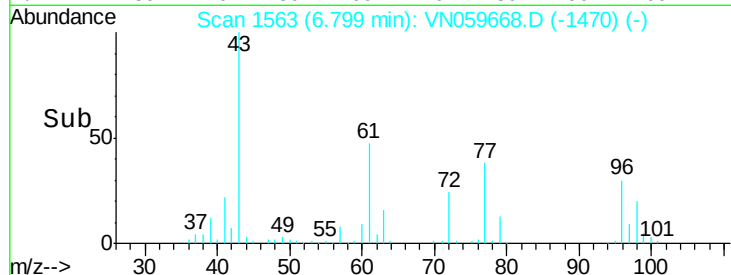
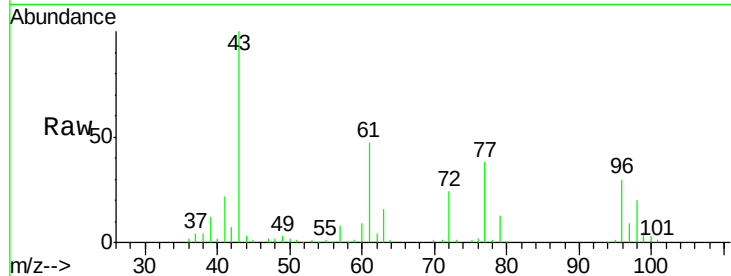
ClientSampleId :

VN1219WBSD01

Tot Ion:	96	Resp:	71589
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	317.6
98	66.0	0.0	127.0

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#28

Bromochloromethane

Concen: 20.201 ug/l

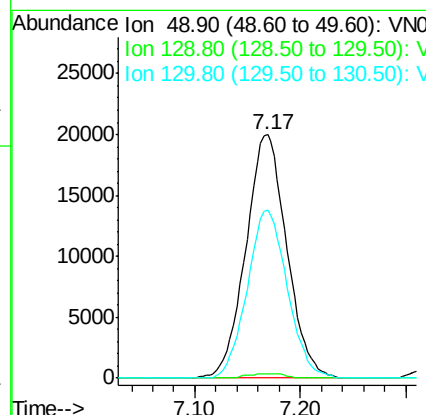
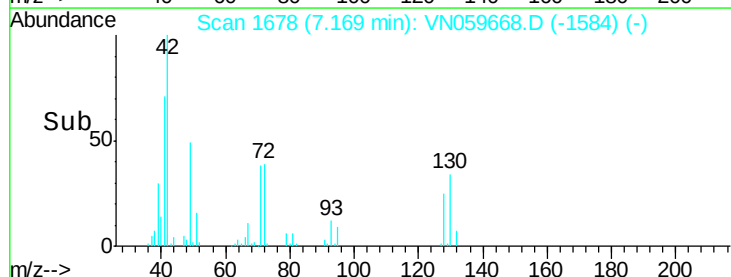
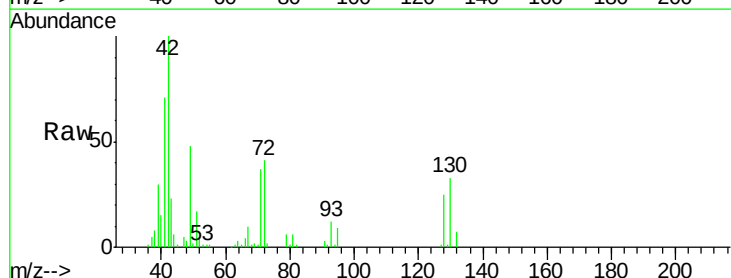
RT: 7.17 min Scan# 1678

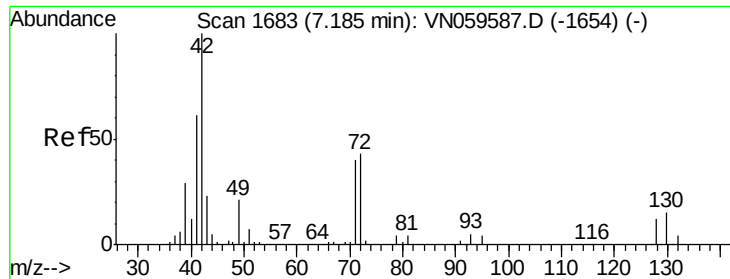
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	49	Resp:	54034
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	67.3	54.7	82.1





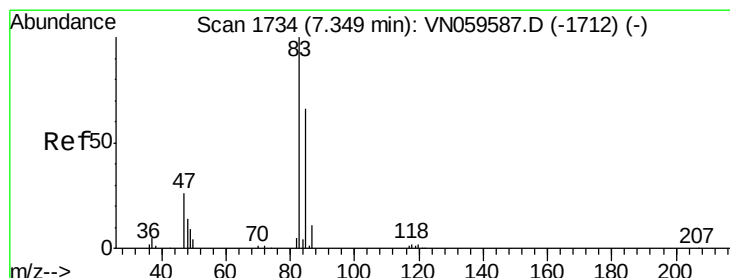
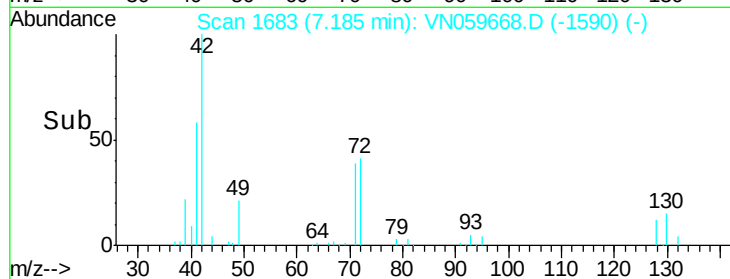
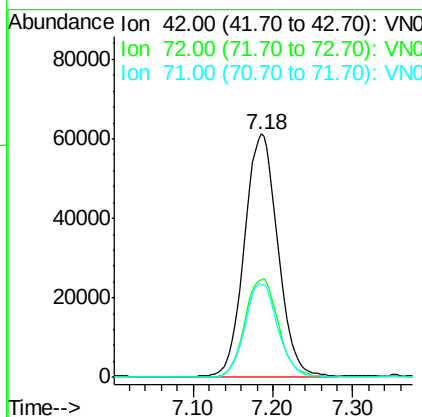
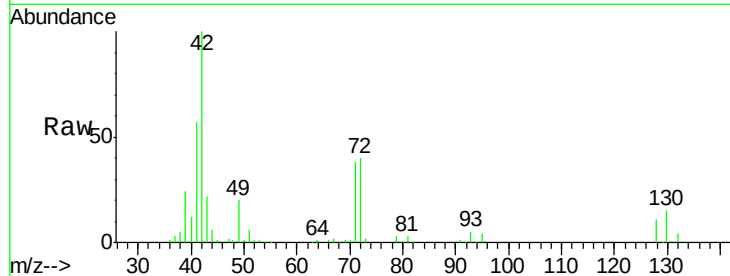
#29
Tetrahydrofuran
Concen: 96.516 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	33.1	49.7
71	37.8	31.4	47.0

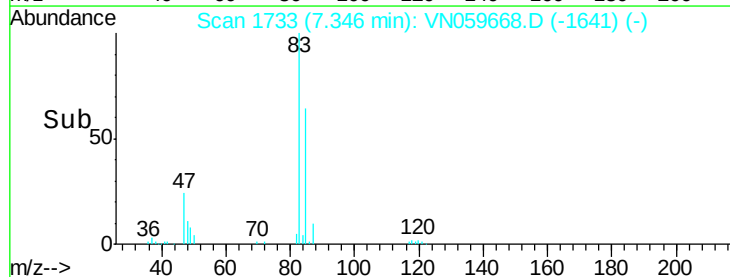
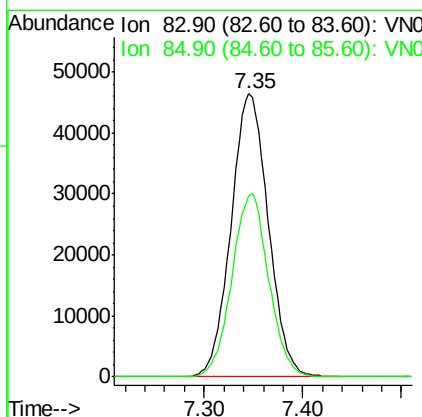
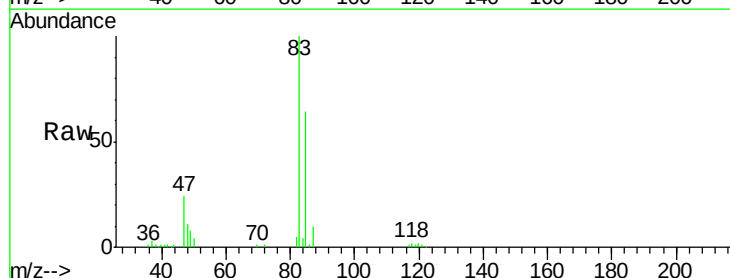
Manual Integrations
APPROVED

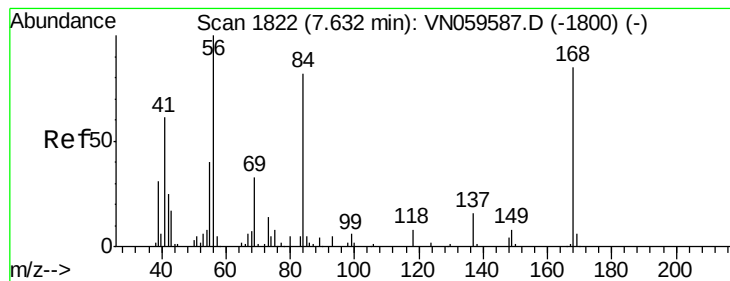
apatel
12/20/2019 9:20:27 AM



#30
Chloroform
Concen: 19.154 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6





#31

Cyclohexane

Concen: 19.015 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 56 Resp: 115996

Ion Ratio Lower Upper

56 100

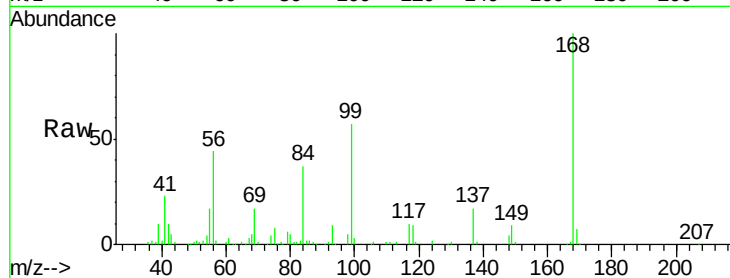
69 37.6 26.5 39.7

84 81.9 65.3 97.9

Manual Integrations
APPROVED

apatel

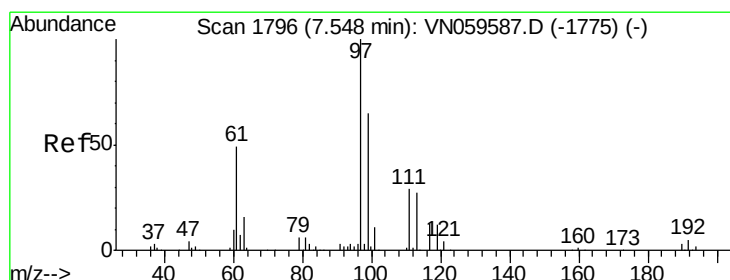
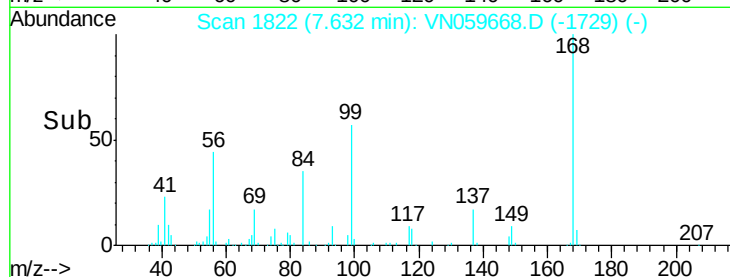
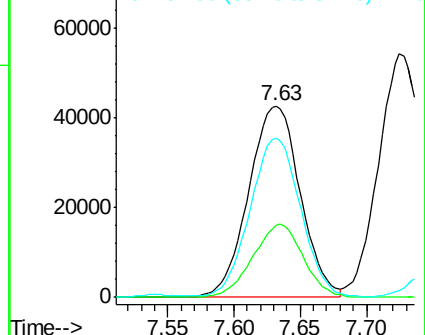
12/20/2019 9:20:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 17.001 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

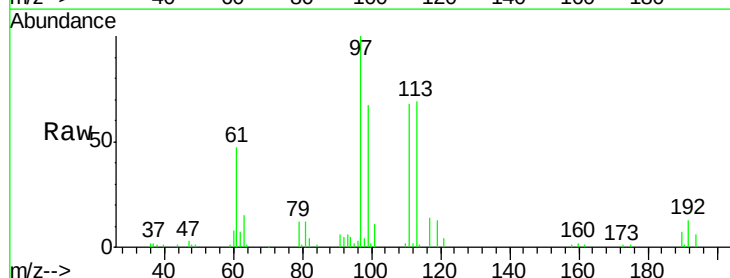
Tgt Ion: 97 Resp: 97400

Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

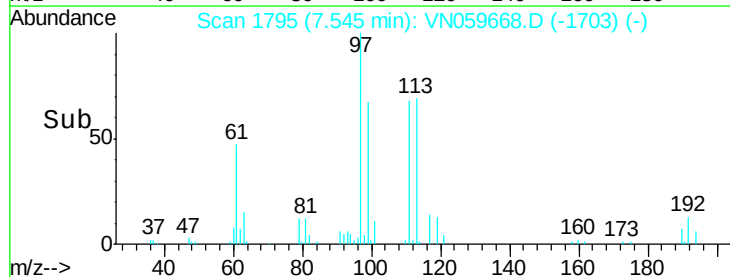
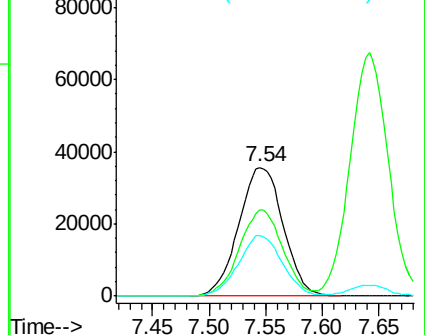
61 46.4 38.5 57.7

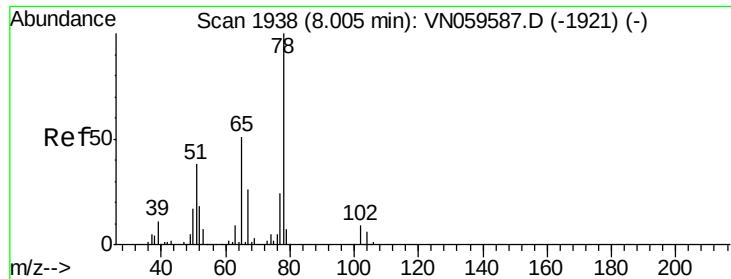


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





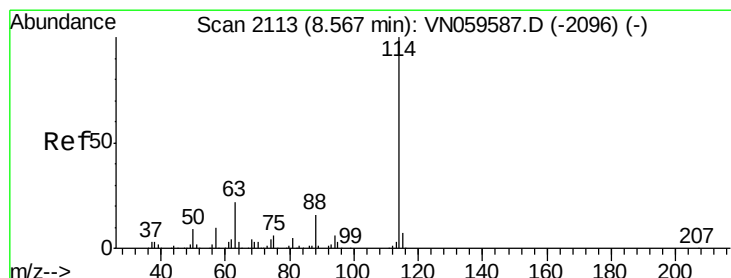
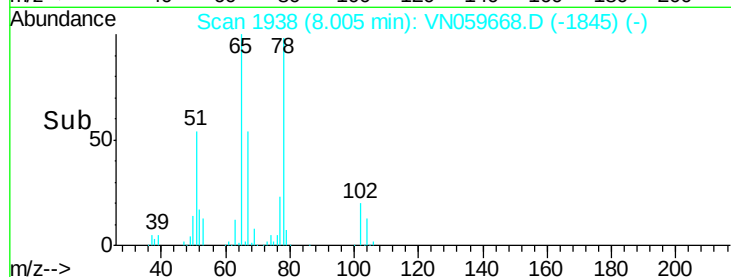
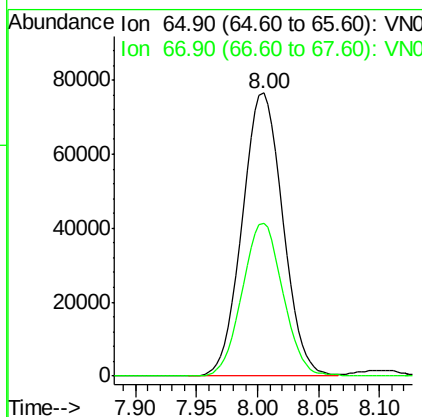
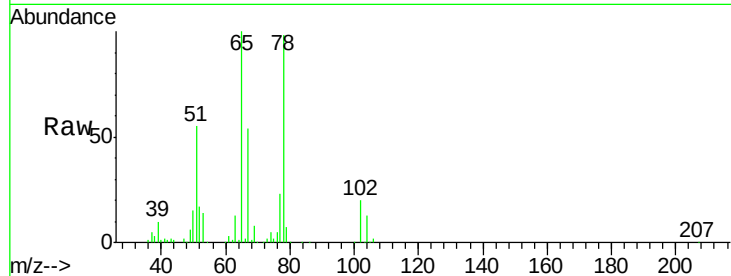
#33
 1,2-Dichloroethane-d4
 Concen: 42.237 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176459		
67	54.1	0.0	103.0	

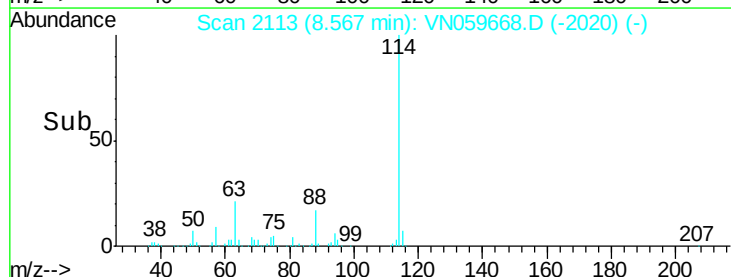
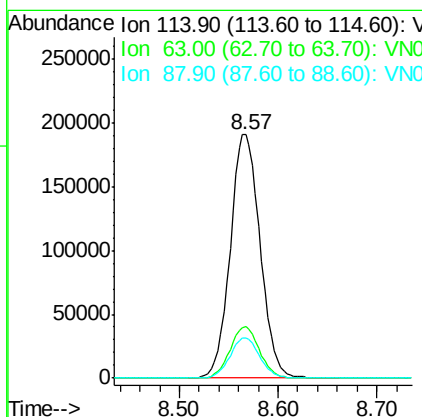
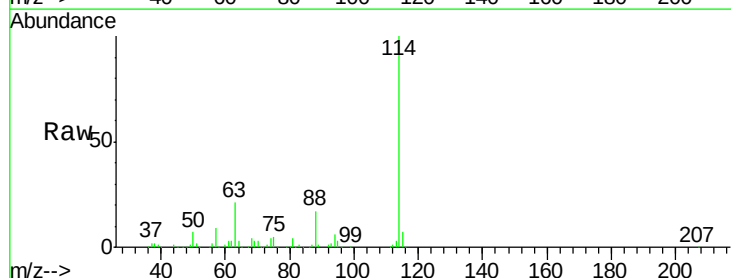
Manual Integrations
 APPROVED

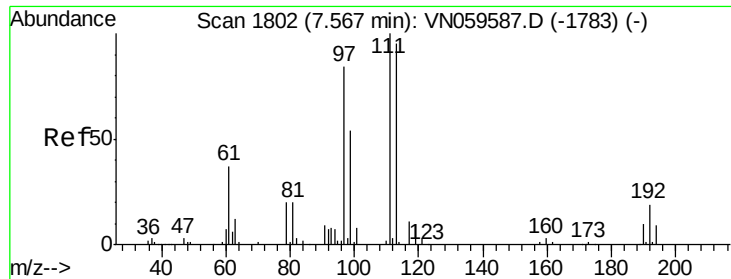
apatel
 12/20/2019 9:20:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401787		
63	21.0	0.0	43.6	
88	16.6	0.0	31.4	





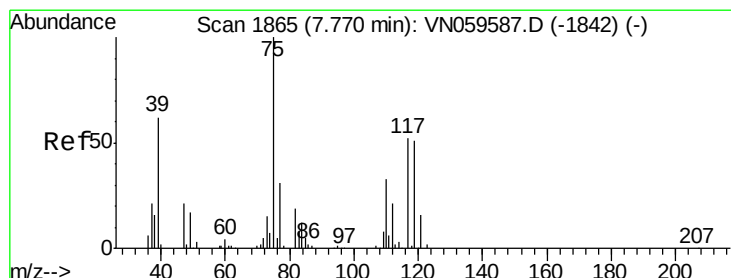
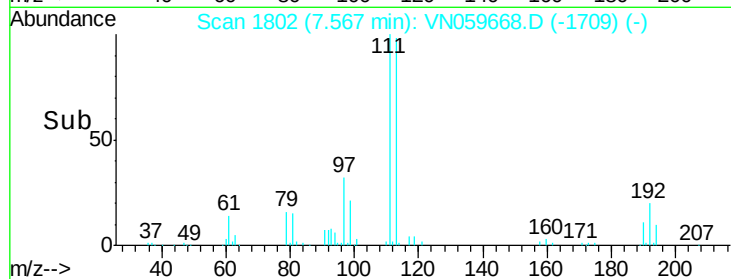
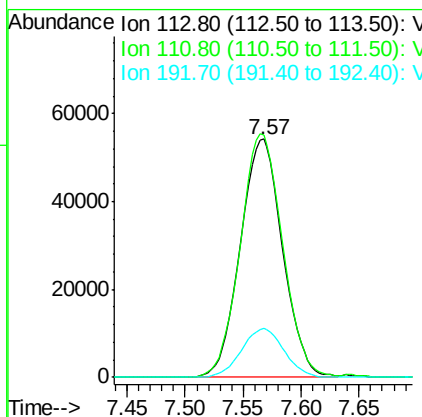
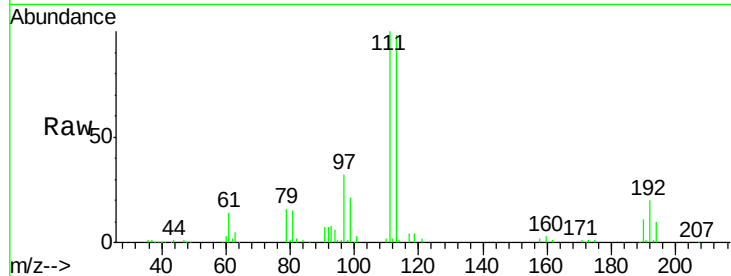
#35
 Dibromofluoromethane
 Concen: 54.614 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137295		
111	102.4	83.5	125.3	
192	20.7	15.4	23.2	

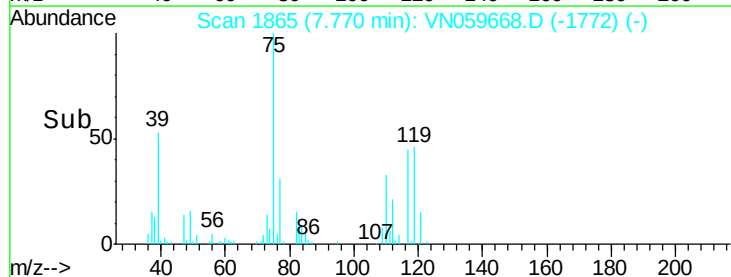
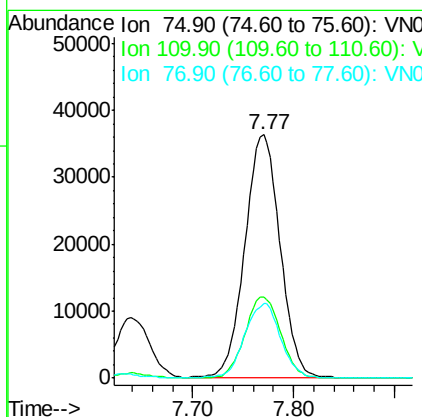
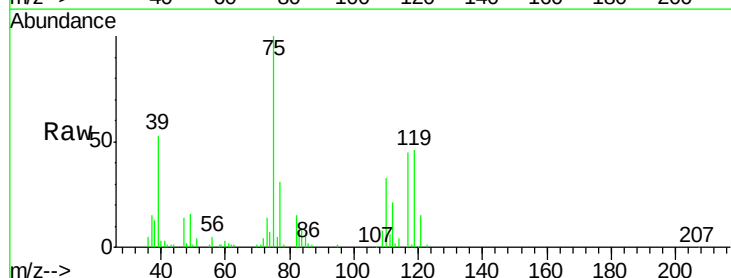
Manual Integrations
 APPROVED

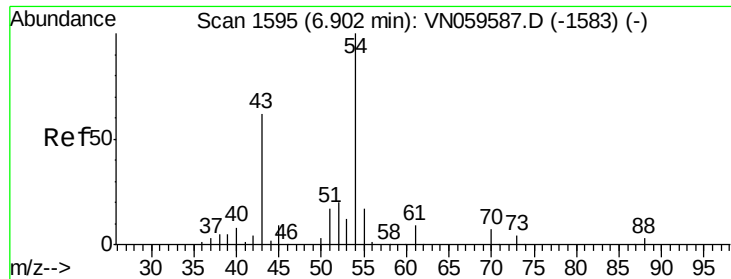
apatel
 12/20/2019 9:20:27 AM



#36
 1,1-Dichloropropene
 Concen: 21.050 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88200		
110	33.6	16.6	49.7	
77	31.3	25.1	37.7	





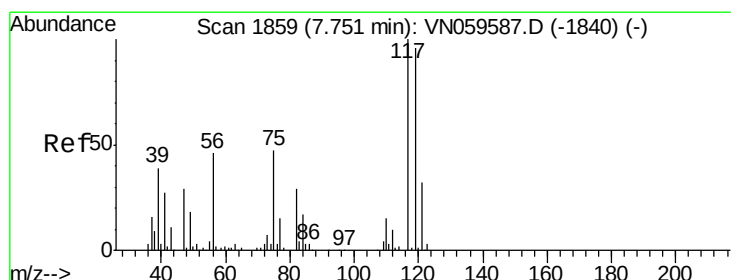
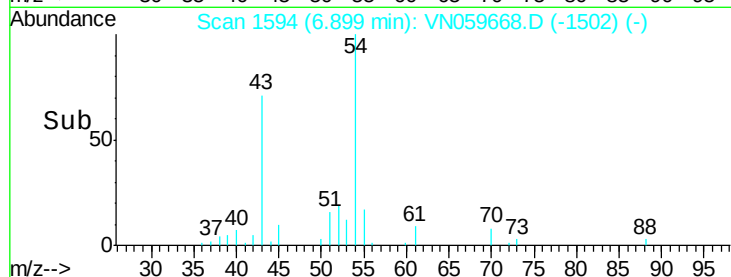
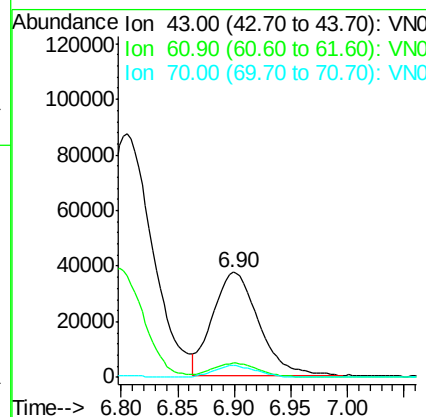
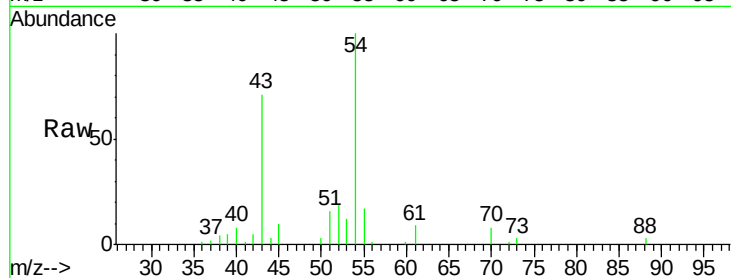
#37
Ethyl Acetate
Concen: 21.693 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.5	7.7	11.5

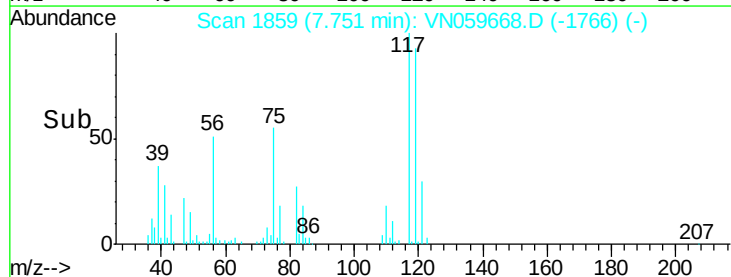
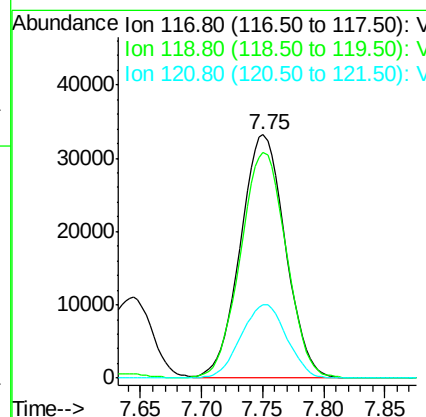
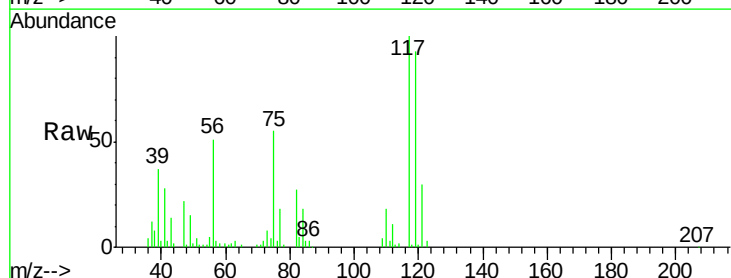
Manual Integrations
APPROVED

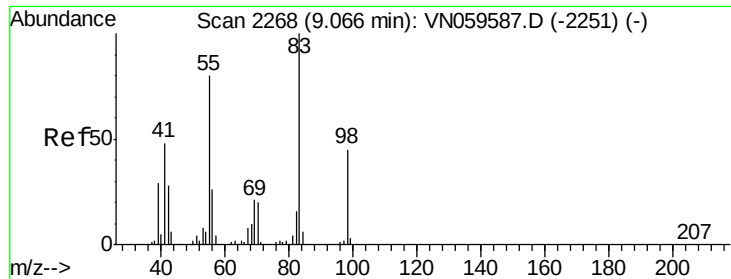
apatel
12/20/2019 9:20:27 AM



#38
Carbon Tetrachloride
Concen: 19.539 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.5	114.7
121	30.1	25.1	37.7





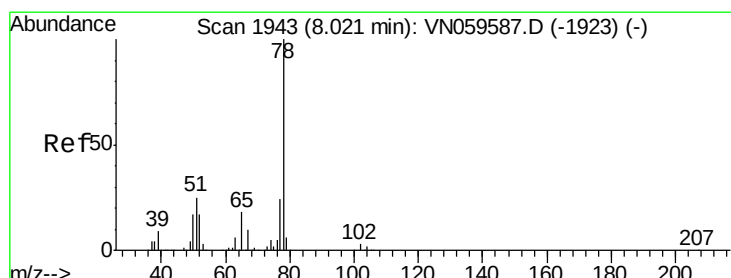
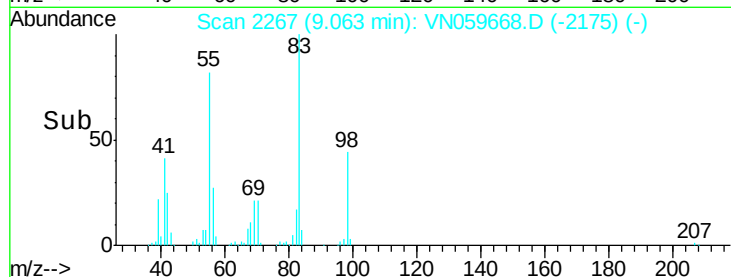
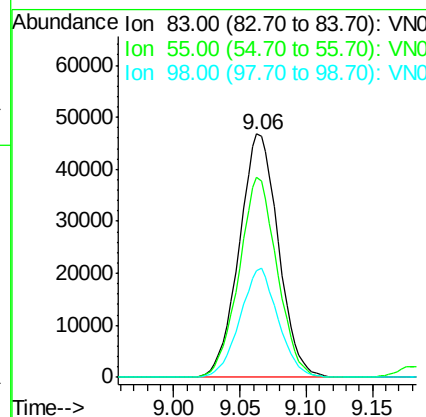
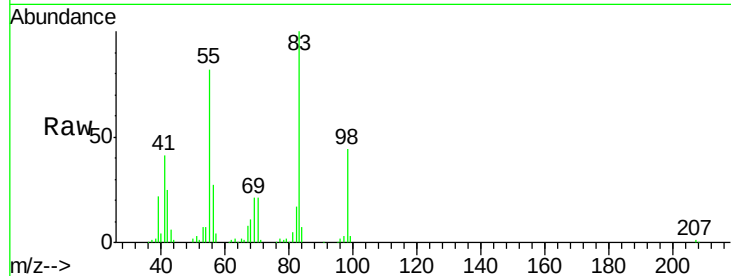
#39
Methylvlcyclohexane
Concen: 20.201 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.3	64.2	96.2	
98	44.0	35.9	53.9	

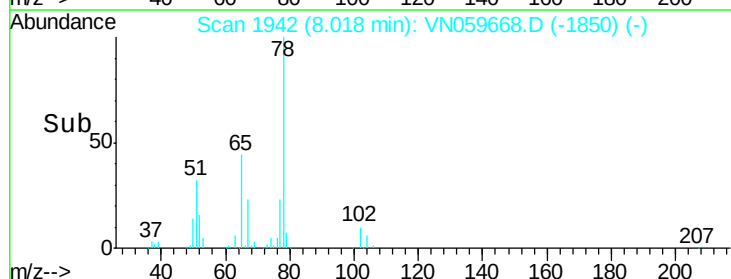
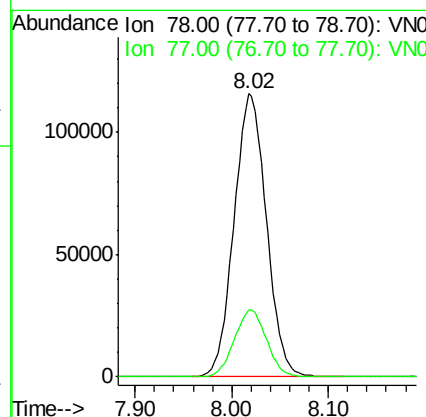
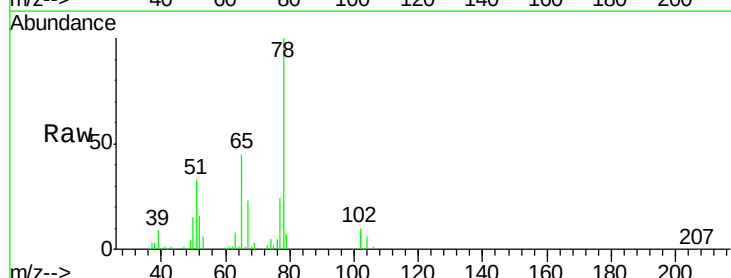
Manual Integrations
APPROVED

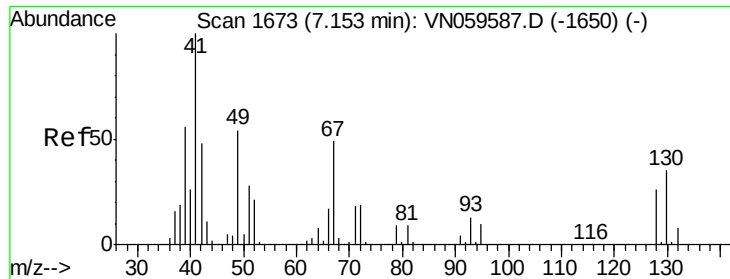
apatel
12/20/2019 9:20:27 AM



#40
Benzene
Concen: 21.972 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.9	28.3	





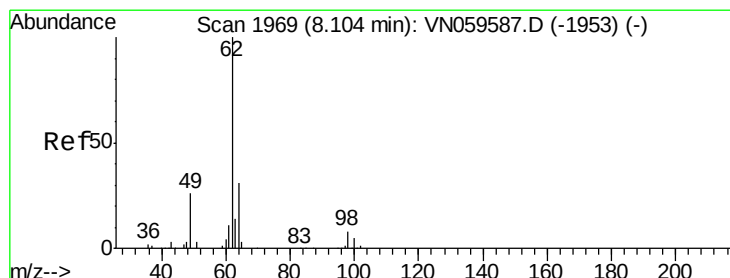
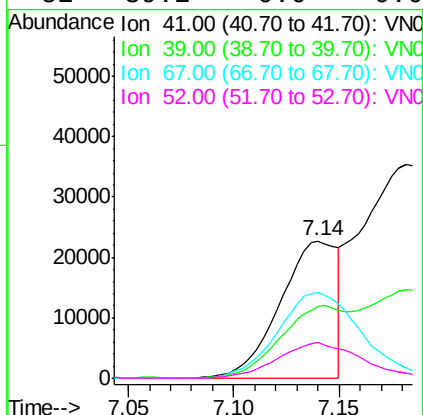
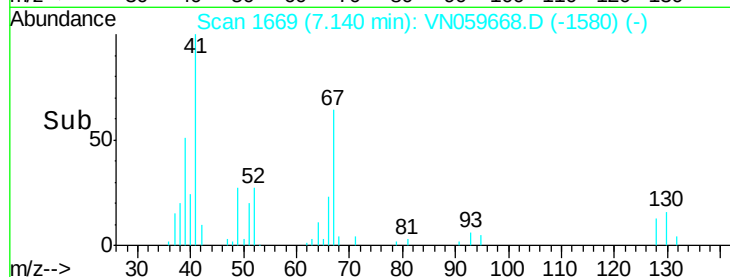
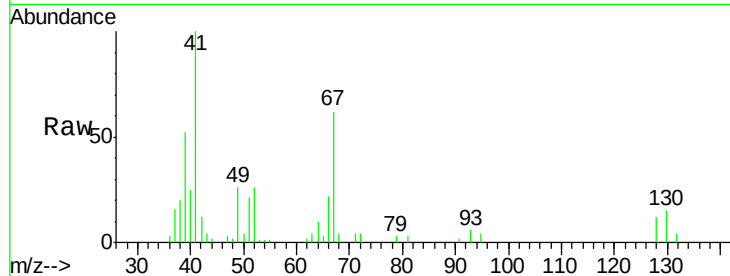
#41
Methacrylonitrile
Concen: 21.288 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	41	Resp	42786
Ion Ratio	Lower	Upper	
41	100		
39	57.8	0.0	0.0#
67	92.8	0.0	0.0#
52	39.2	0.0	0.0#

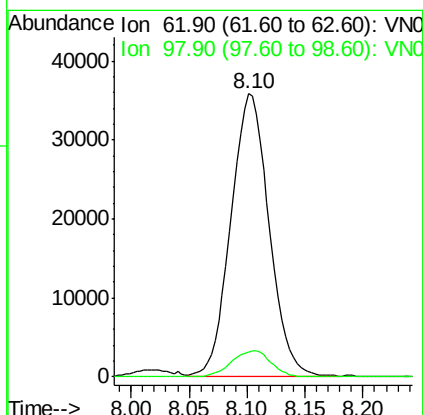
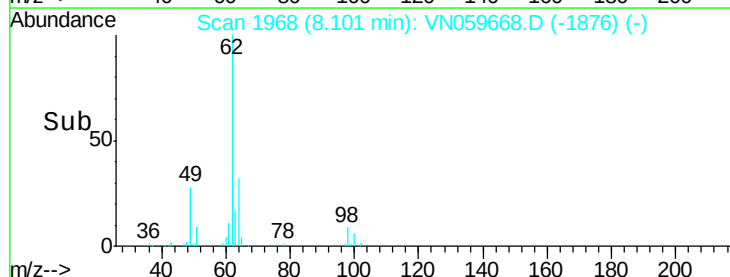
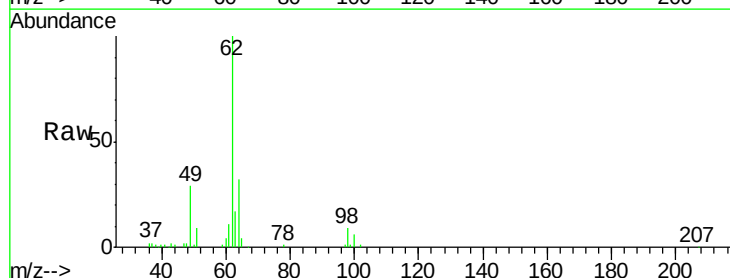
Manual Integrations
APPROVED

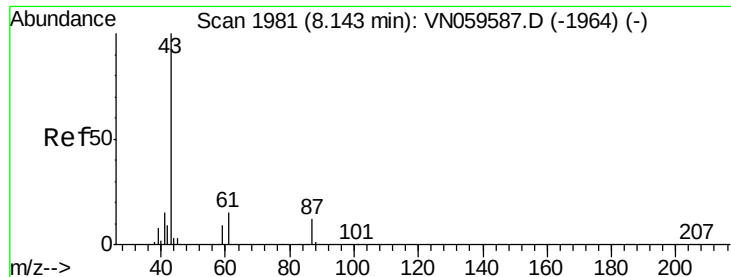
apatel
12/20/2019 9:20:27 AM



#42
1,2-Dichloroethane
Concen: 17.532 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	62	Resp	82216
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	15.8





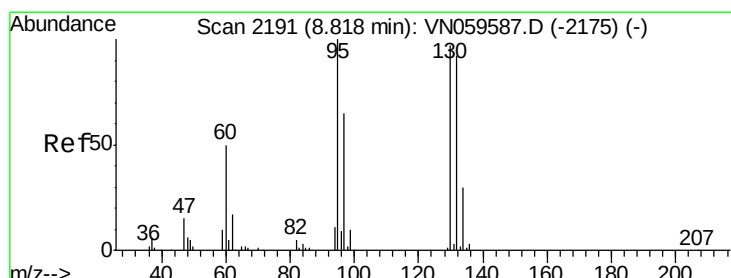
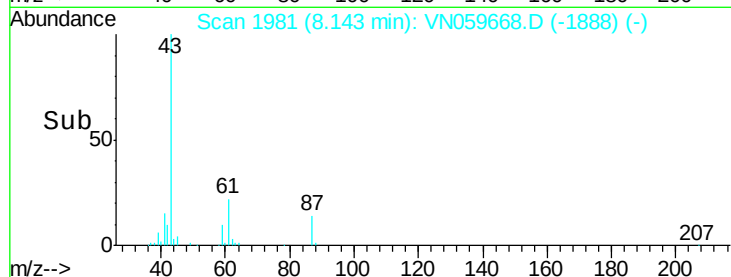
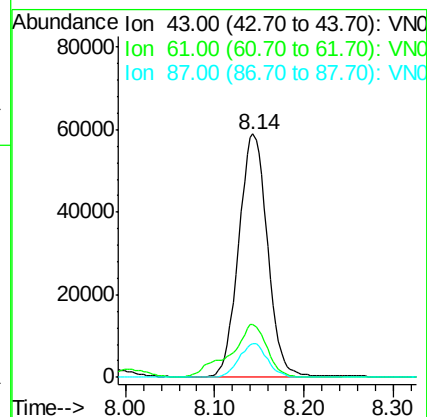
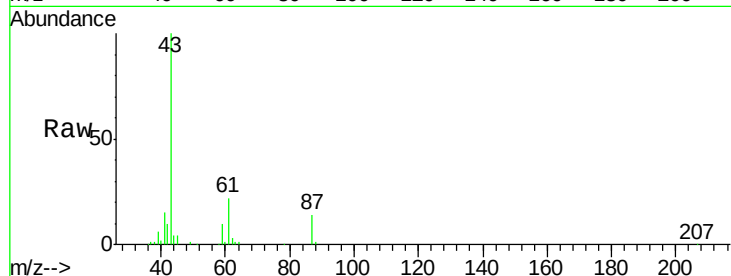
#43
Isopropyl Acetate
Concen: 17.526 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.2	30.2
87	13.5	9.5	14.3

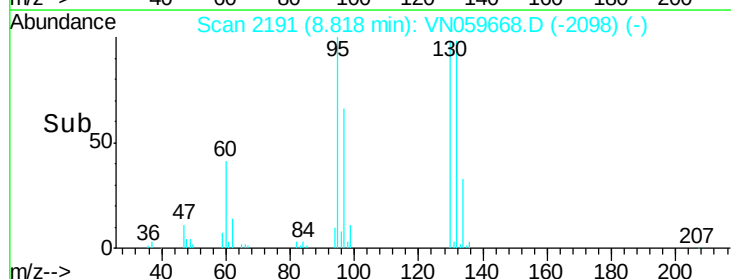
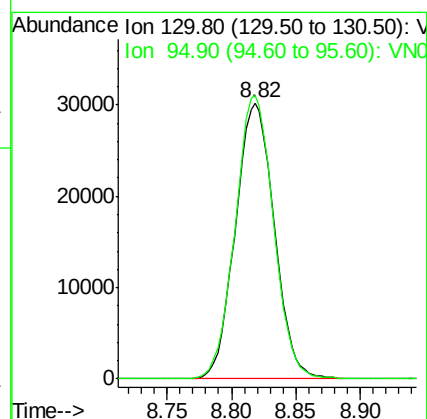
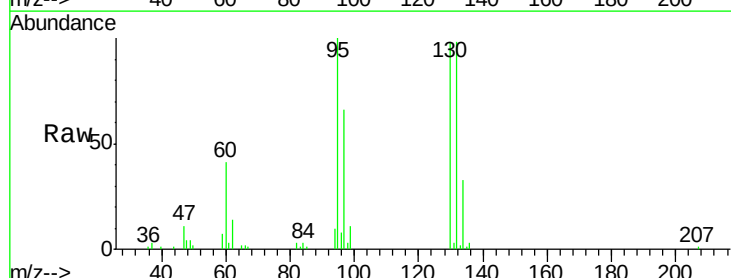
Manual Integrations
APPROVED

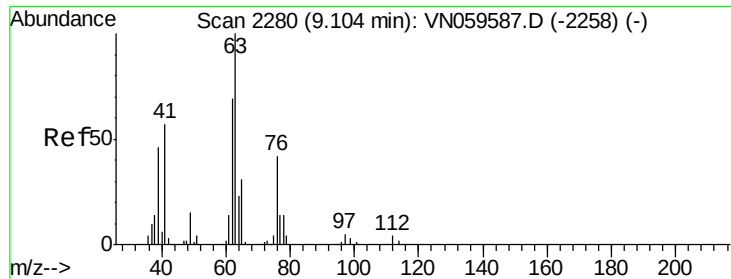
apatel
12/20/2019 9:20:27 AM



#44
Trichloroethene
Concen: 19.725 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	207.0





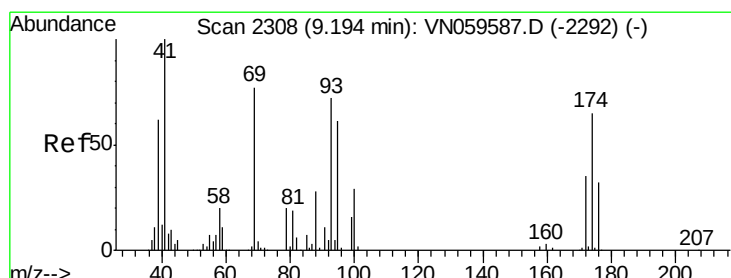
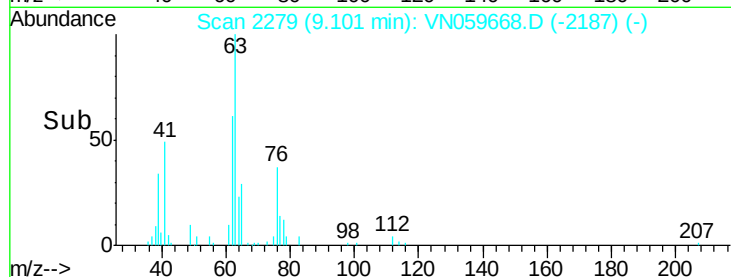
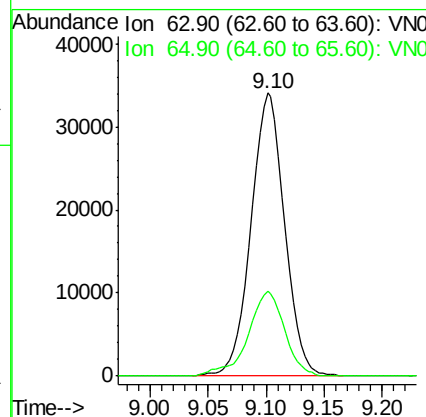
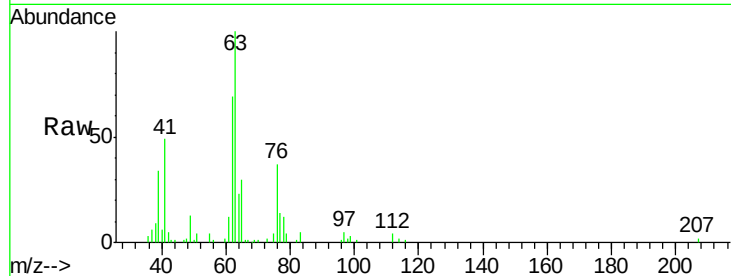
#45
 1,2-Dichloropropane
 Concen: 20.819 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion: 63 Resp: 68839
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3

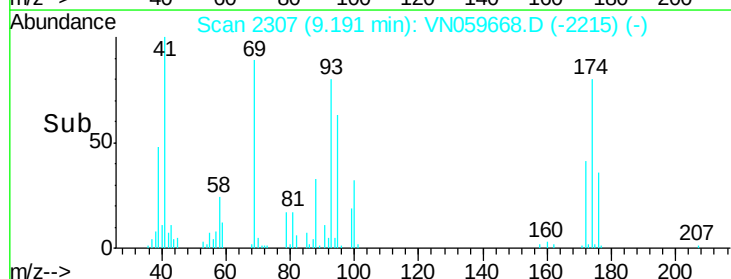
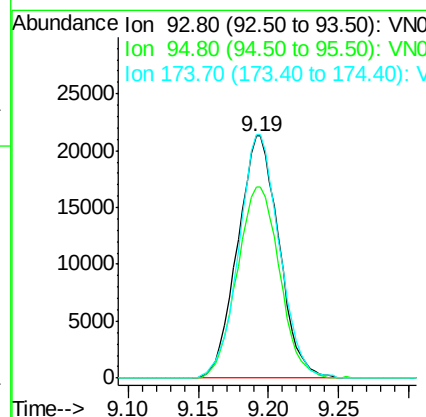
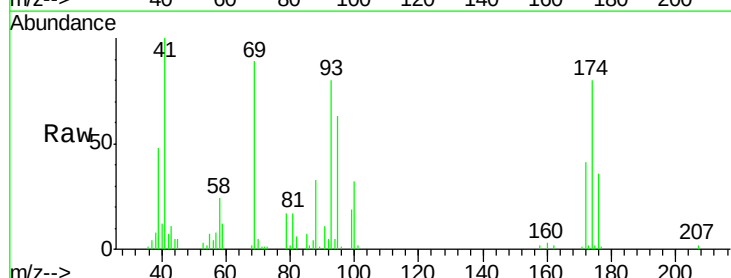
Manual Integrations
 APPROVED

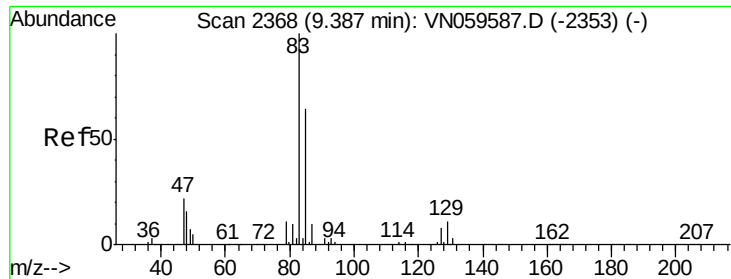
apatel
 12/20/2019 9:20:27 AM



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion: 93 Resp: 43691
 Ion Ratio Lower Upper
 93 100
 95 80.7 67.0 100.6
 174 98.5 73.4 110.2





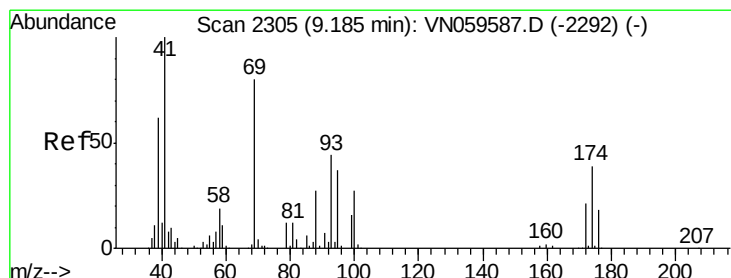
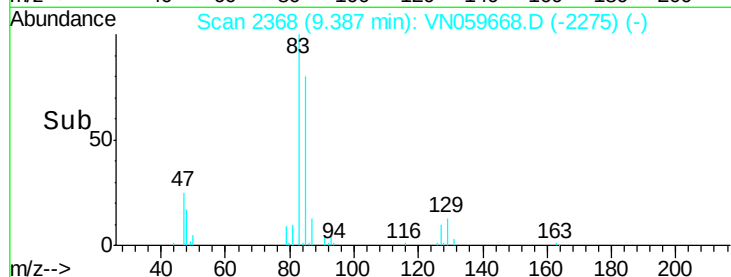
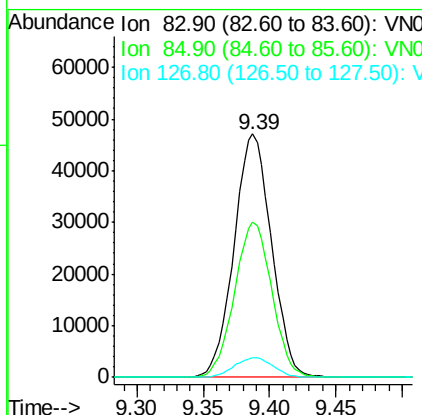
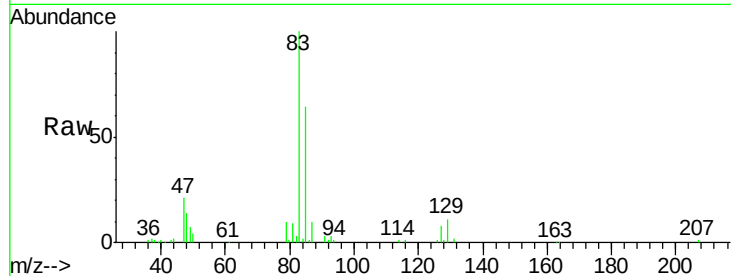
#47
Bromodichloromethane
Concen: 21.422 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	9.8

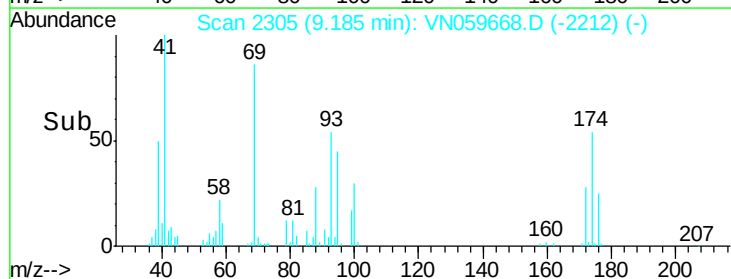
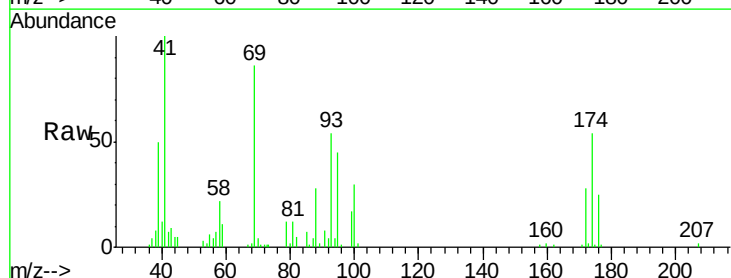
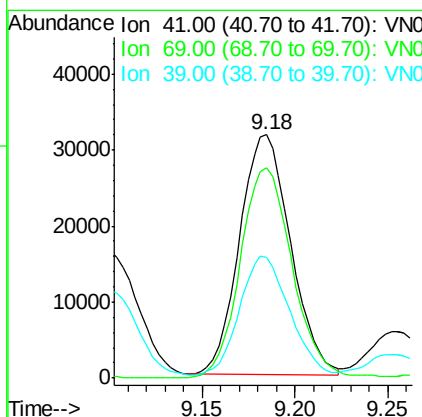
Manual Integrations
APPROVED

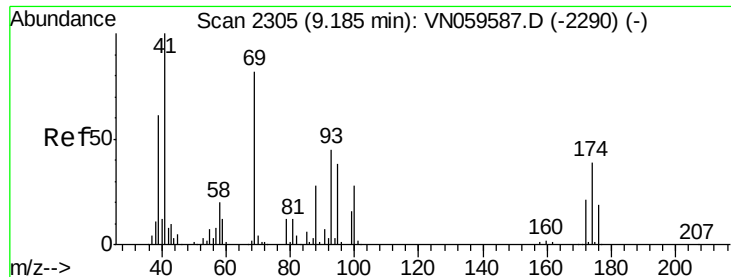
apatel
12/20/2019 9:20:27 AM



#48
Methyl methacrylate
Concen: 17.560 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	64.4	96.6
39	48.4	51.3	76.9#





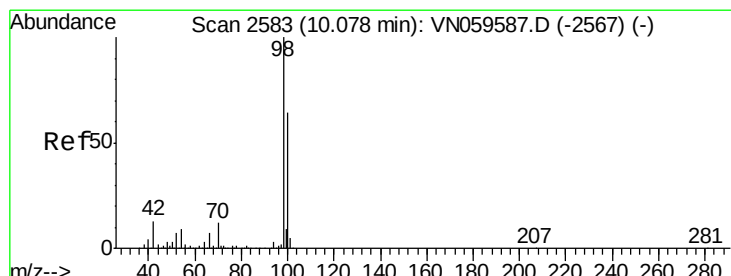
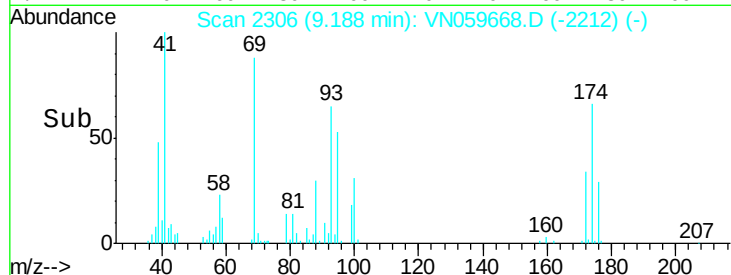
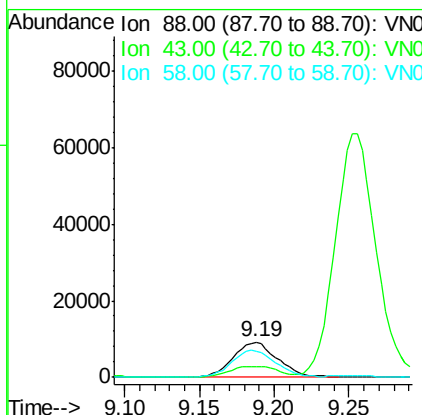
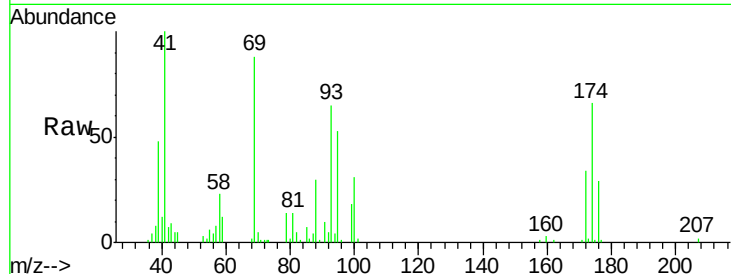
#49
1,4-Dioxane
Concen: 386.508 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.7	44.5
58	76.9	56.6	85.0

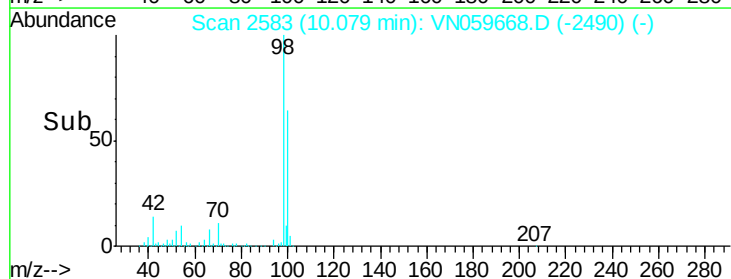
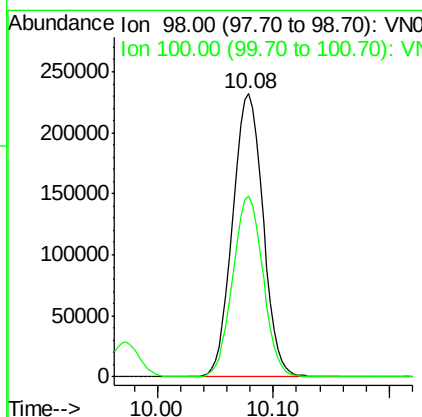
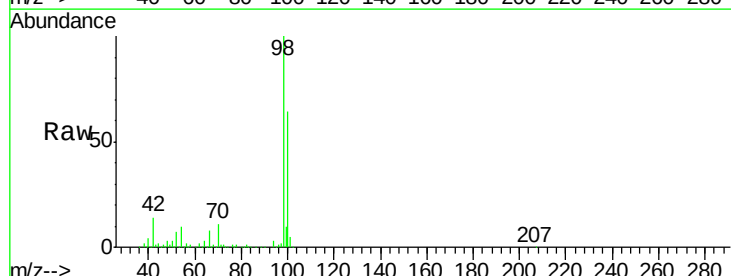
Manual Integrations
APPROVED

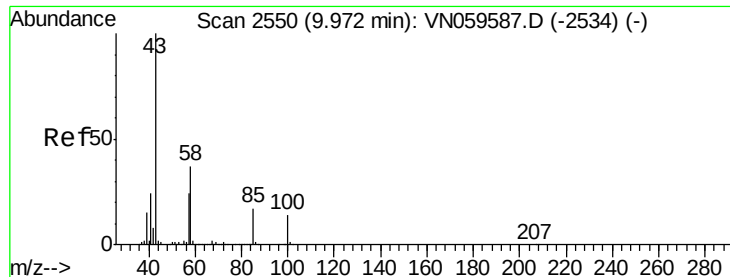
apatel
12/20/2019 9:20:27 AM



#50
Toluene-d8
Concen: 42.274 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 84.844 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 383009

Ion Ratio Lower Upper

43 100

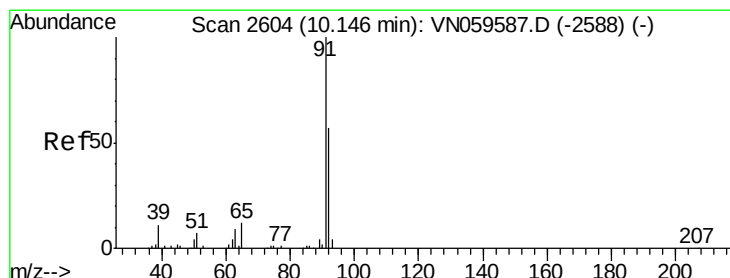
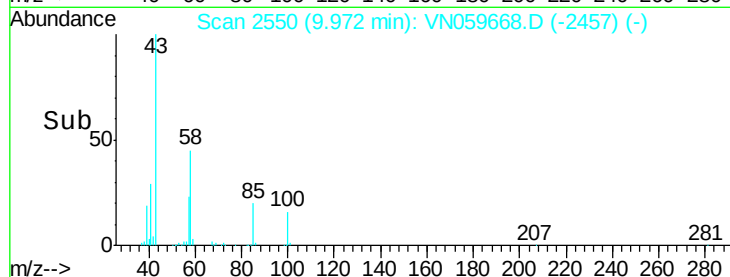
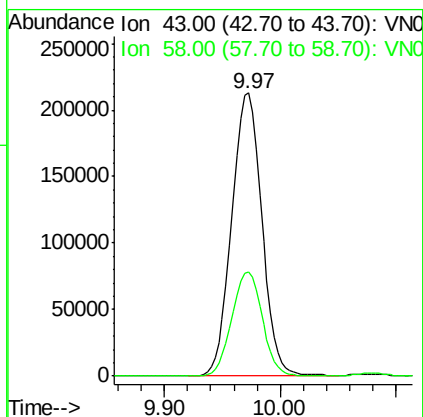
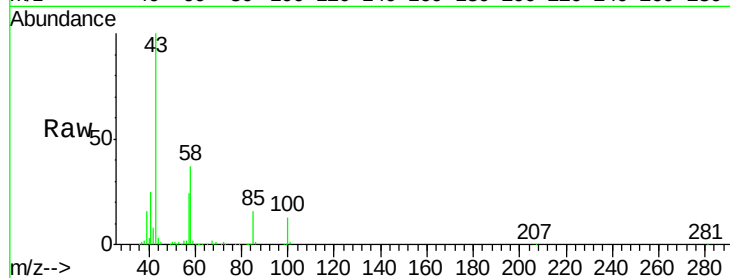
58 37.2 29.8 44.8

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



#52

Toluene

Concen: 16.342 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059668.D

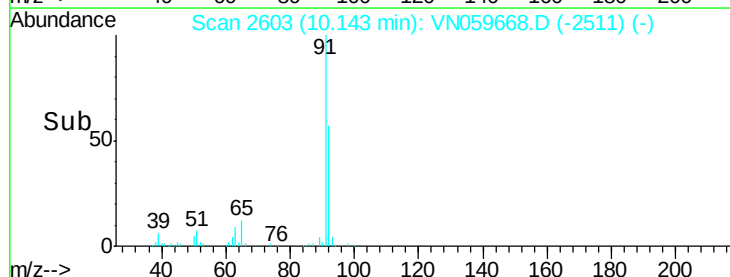
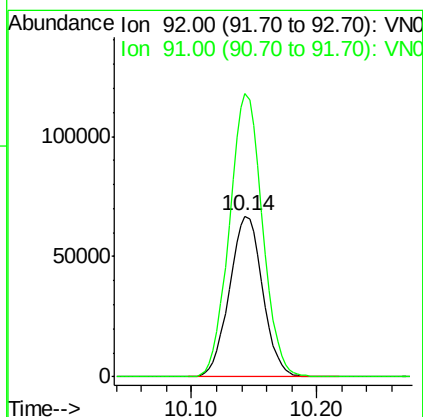
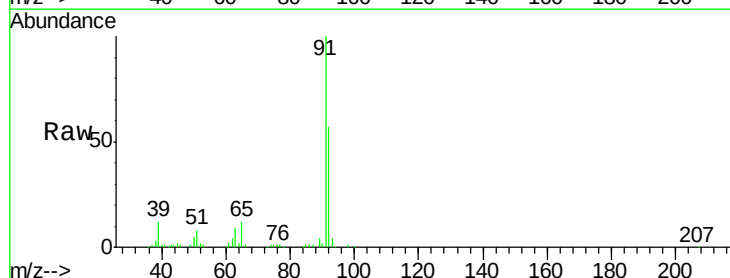
Acq: 19 Dec 2019 13:57

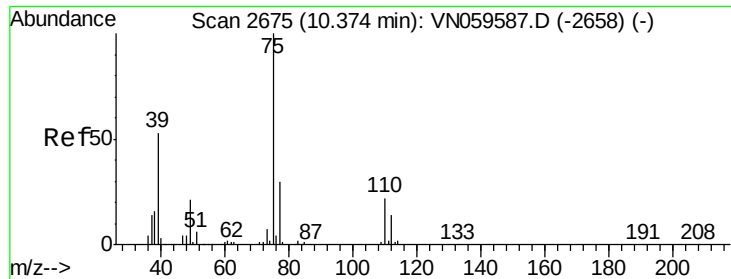
Tgt Ion: 92 Resp: 122956

Ion Ratio Lower Upper

92 100

91 174.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 16.583 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 75 Resp: 82834

Ion Ratio Lower Upper

75 100

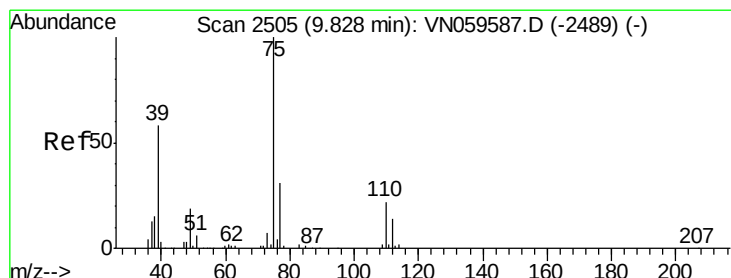
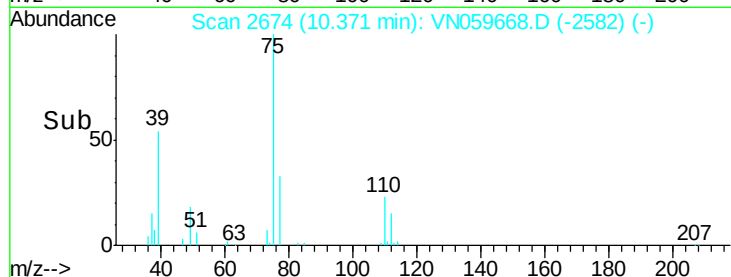
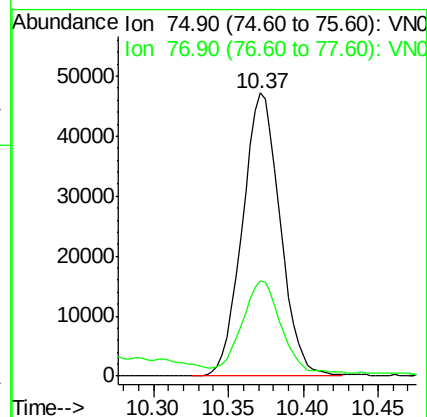
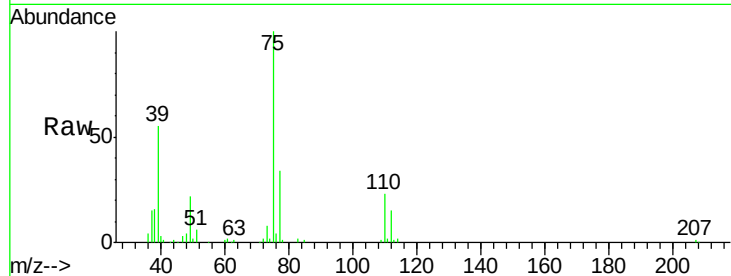
77 32.2 25.4 38.2

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



#54

cis-1,3-Dichloropropene

Concen: 16.793 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

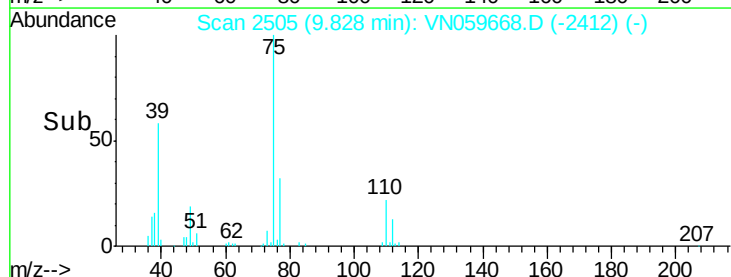
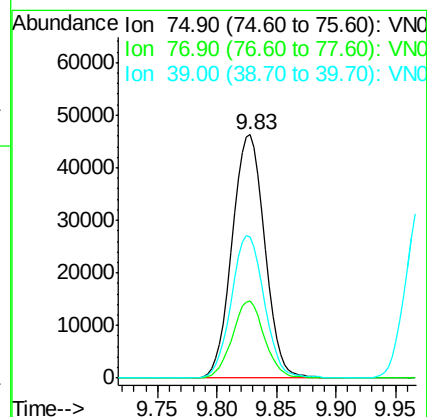
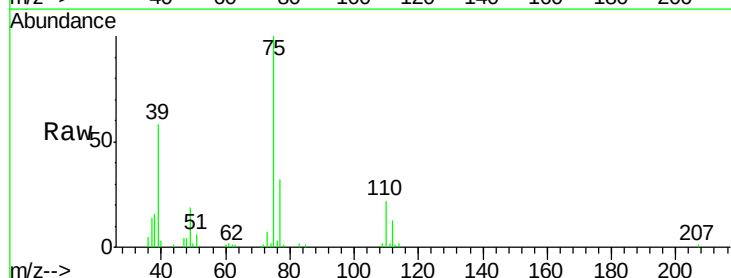
Tgt Ion: 75 Resp: 88175

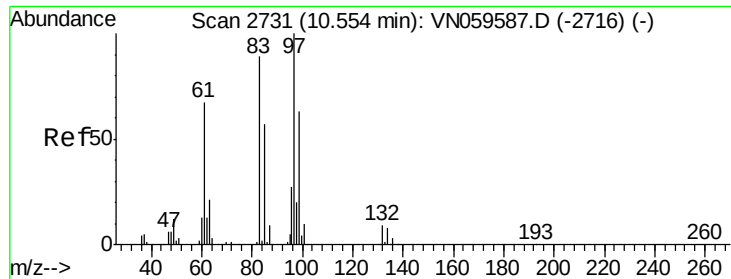
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 58.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 17.343 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

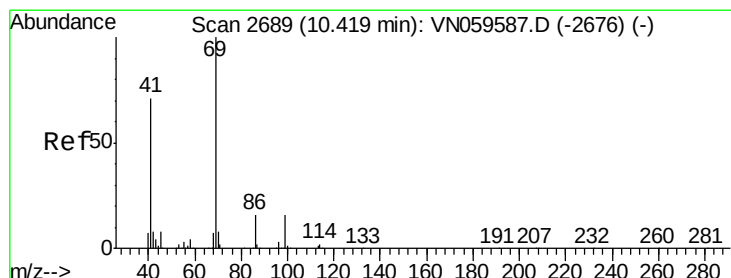
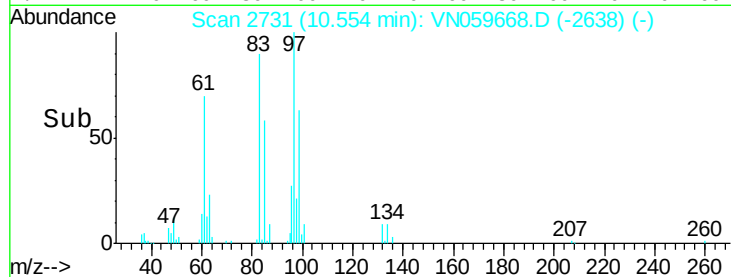
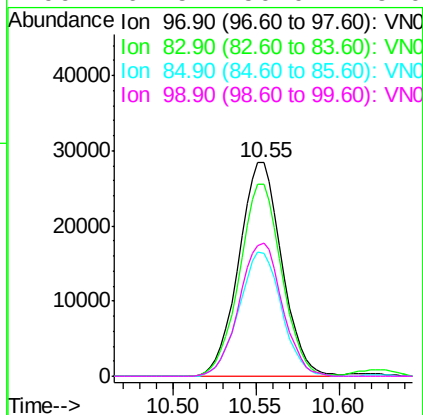
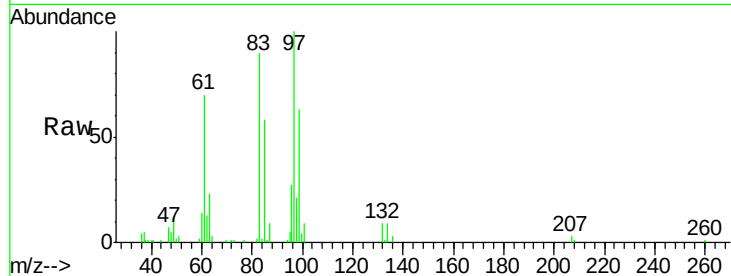
ClientSampleId :

VN1219WBSD01

Tot Ion:	97	Resp:	51201
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.3	106.9
85	57.5	45.8	68.8
99	62.5	50.0	75.0

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#56

Ethyl methacrylate

Concen: 16.412 ug/l

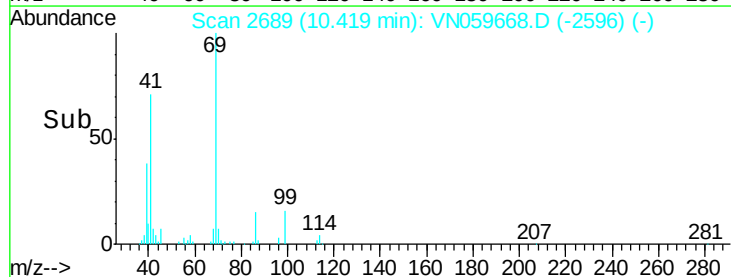
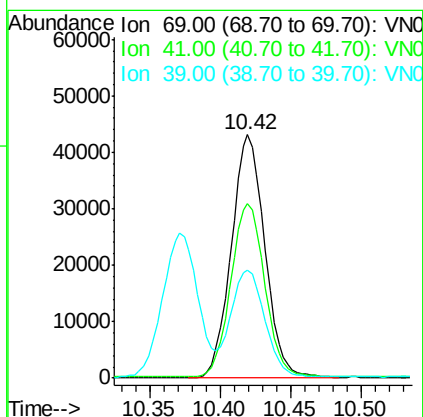
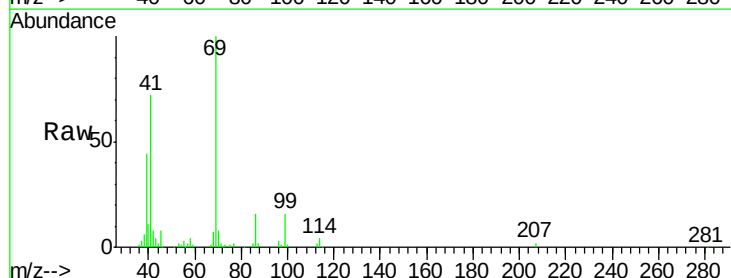
RT: 10.42 min Scan# 2689

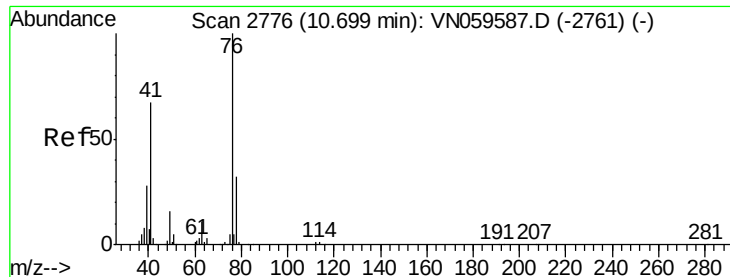
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	69	Resp:	71930
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.1	85.7
39	45.1	34.7	52.1





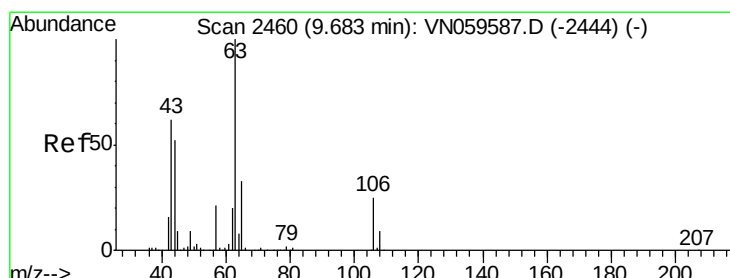
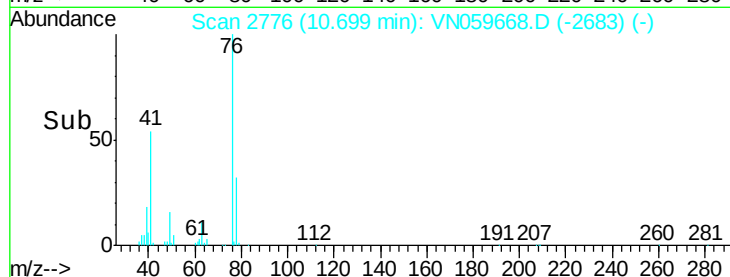
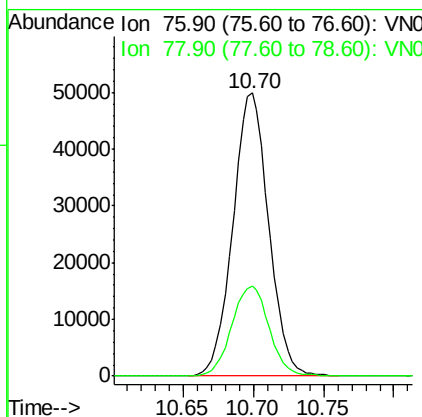
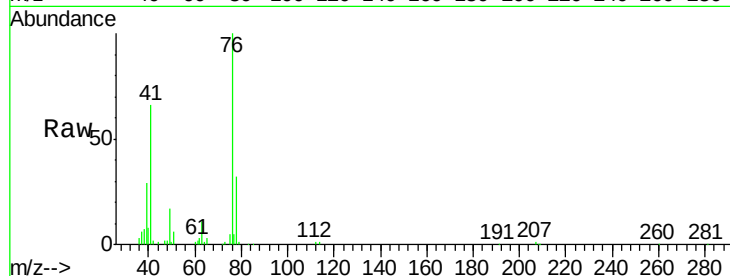
#57
 1,3-Dichloropropane
 Concen: 17.244 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

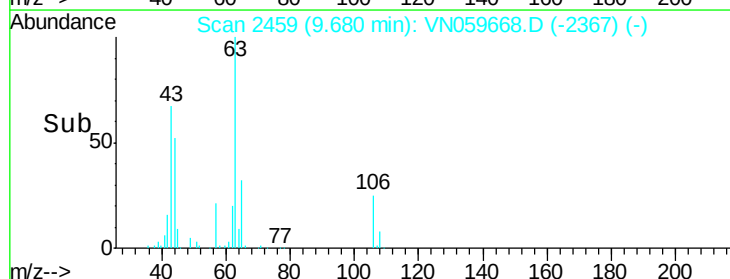
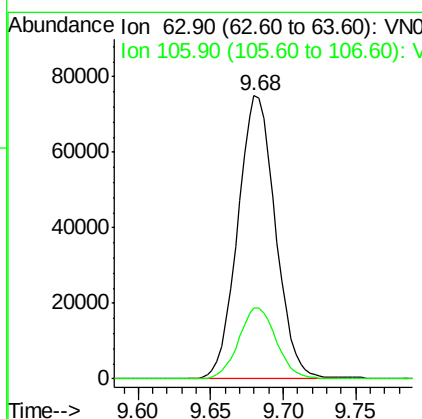
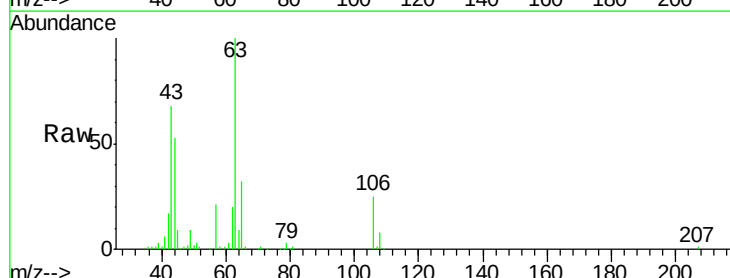
Manual Integrations
 APPROVED

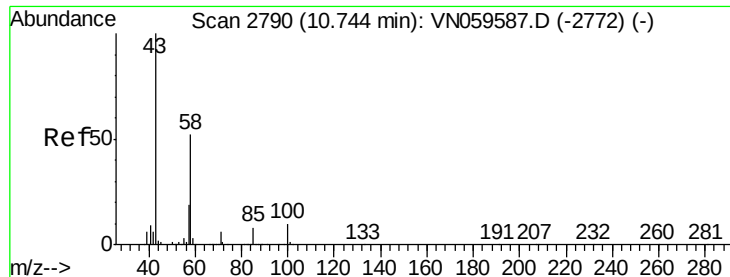
apatel
 12/20/2019 9:20:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.018 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2





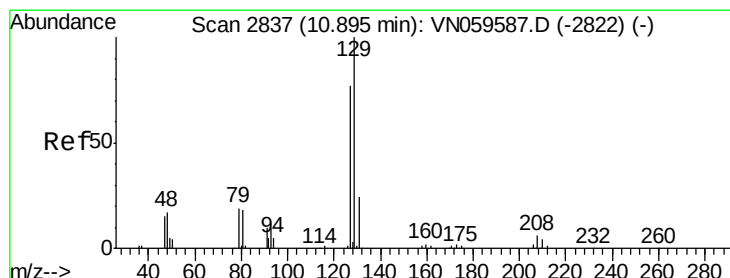
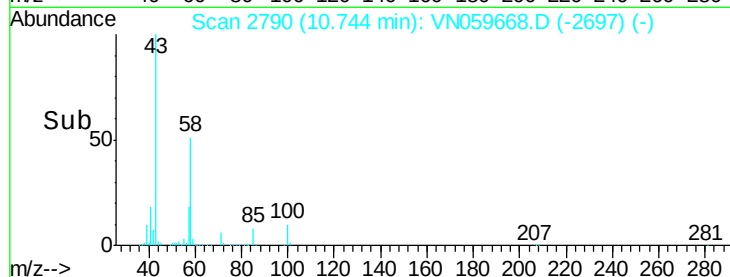
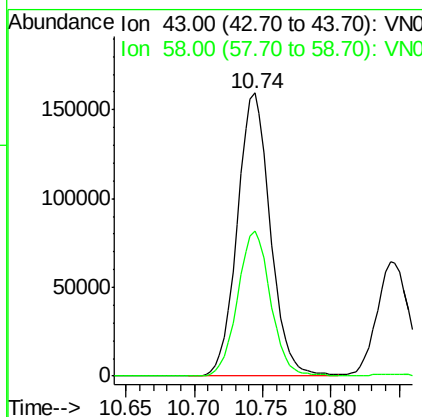
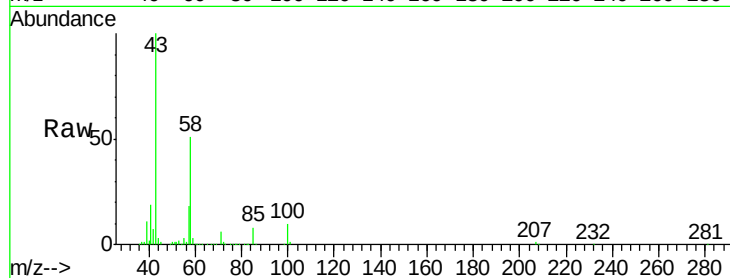
#59
2-Hexanone
Concen: 75.353 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.8	77.3

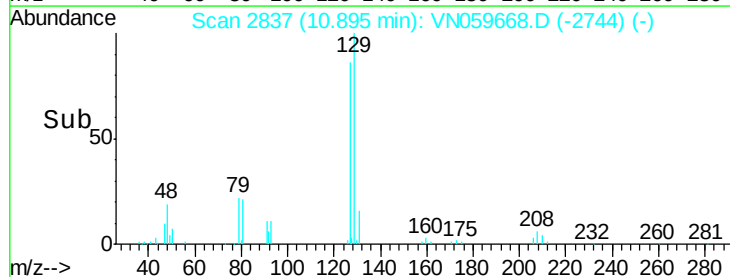
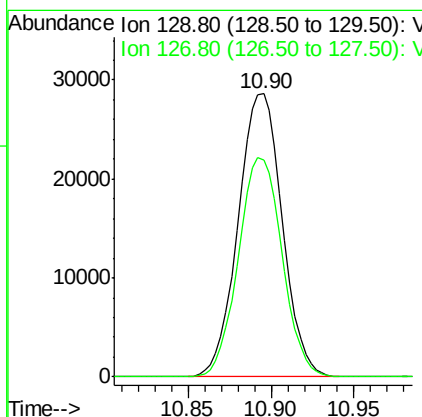
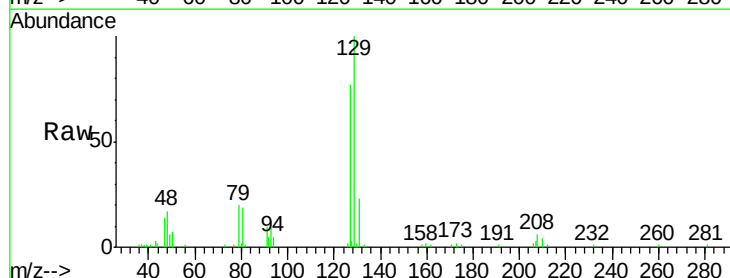
Manual Integrations
APPROVED

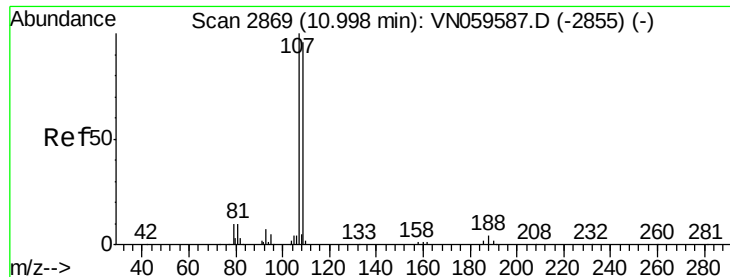
apatel
12/20/2019 9:20:27 AM



#60
Dibromochloromethane
Concen: 16.481 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5





#61

1,2-Dibromoethane

Concen: 16.434 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 107 Resp: 51455

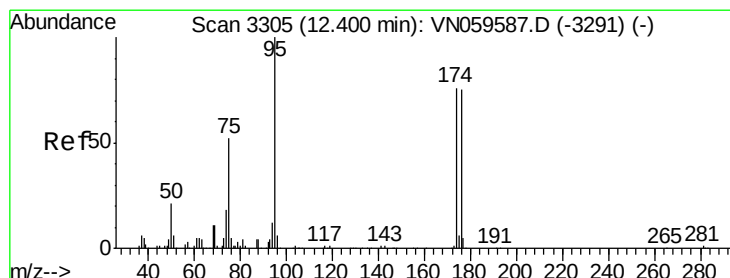
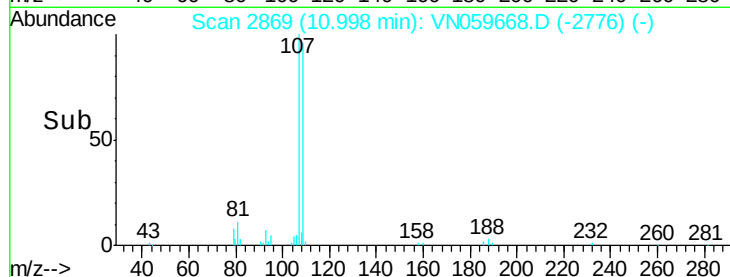
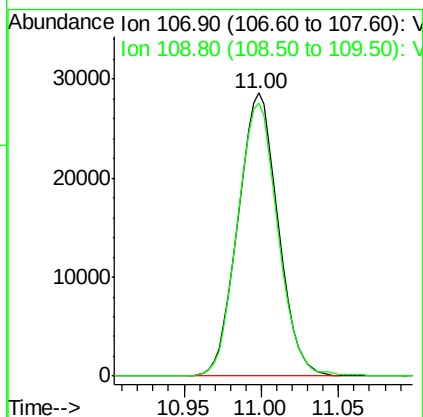
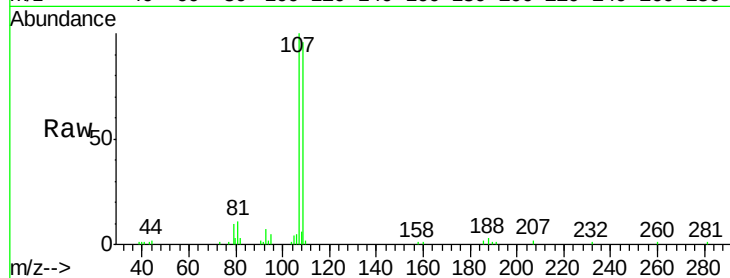
Ion Ratio Lower Upper

107 100

109 97.7 76.6 115.0

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#62

4-Bromofluorobenzene

Concen: 39.764 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

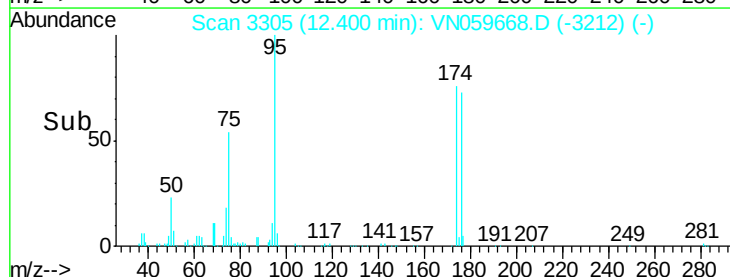
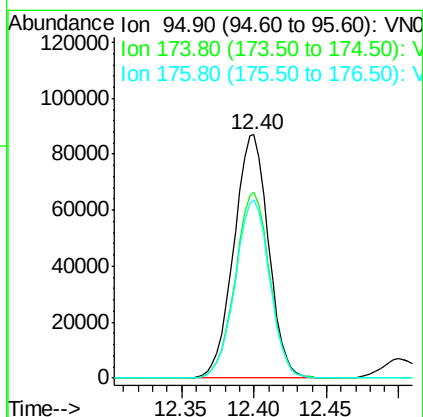
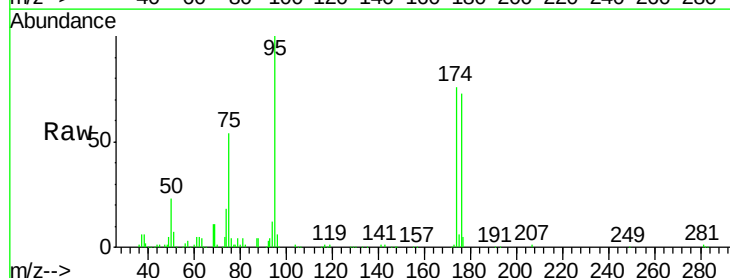
Tgt Ion: 95 Resp: 144415

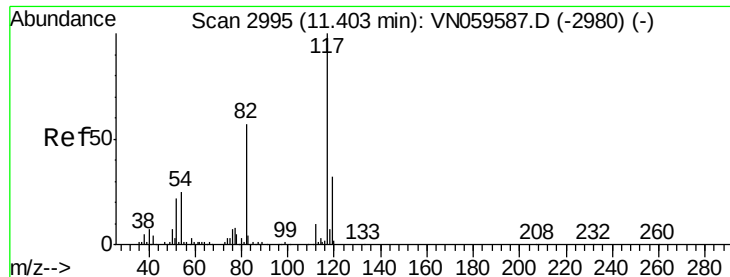
Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.4

176 73.1 0.0 146.0





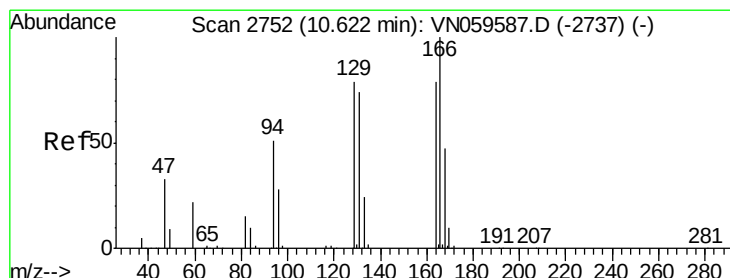
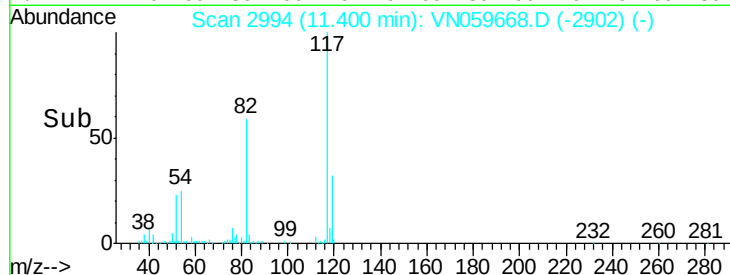
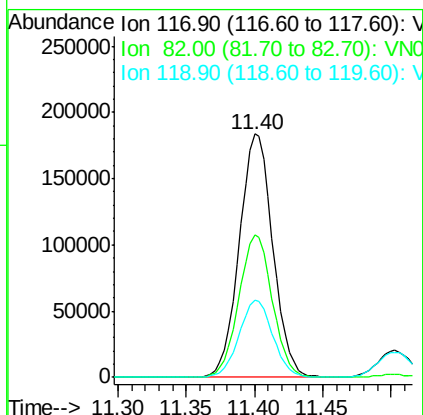
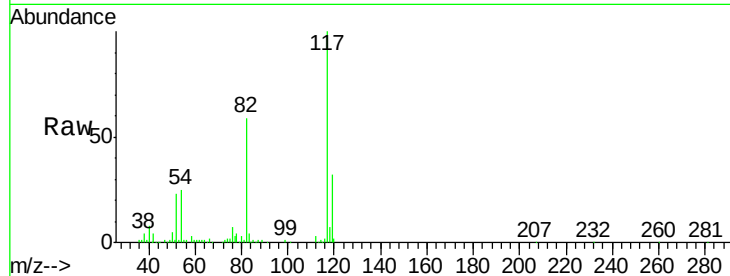
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313269		
82	58.8	45.9	68.9	
119	31.8	25.5	38.3	

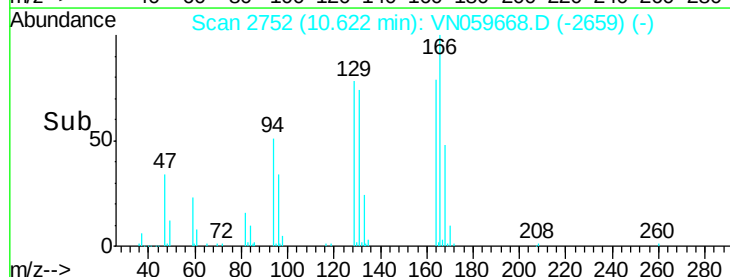
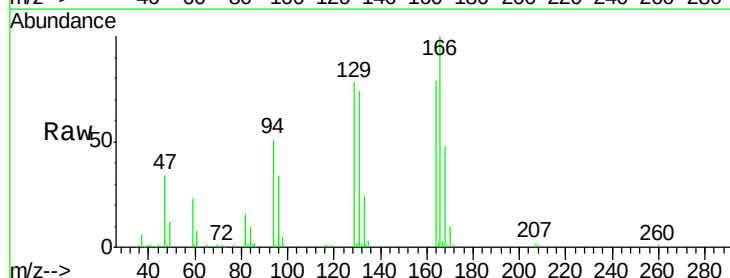
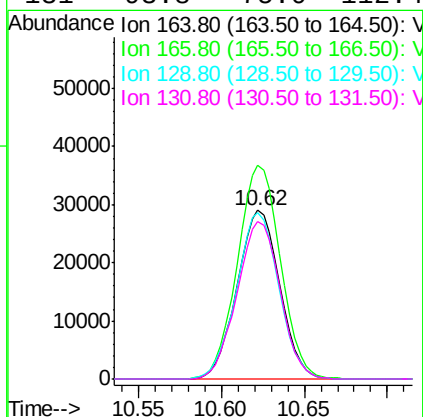
Manual Integrations
APPROVED

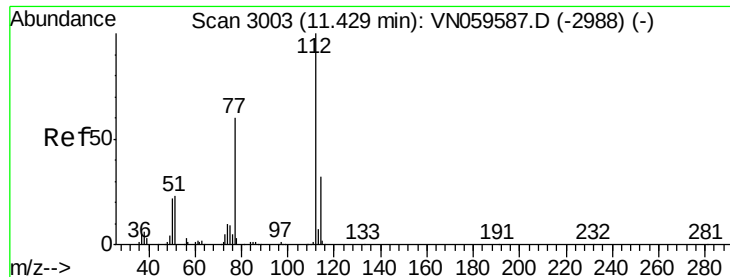
apatel
12/20/2019 9:20:27 AM



#64
Tetrachloroethene
Concen: 17.788 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51947		
166	126.8	101.4	152.0	
129	98.5	80.2	120.4	
131	93.8	75.0	112.4	





#65

Chlorobenzene

Concen: 19.097 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:112 Resp: 129447

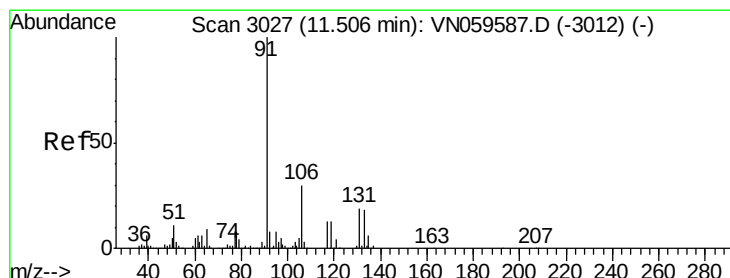
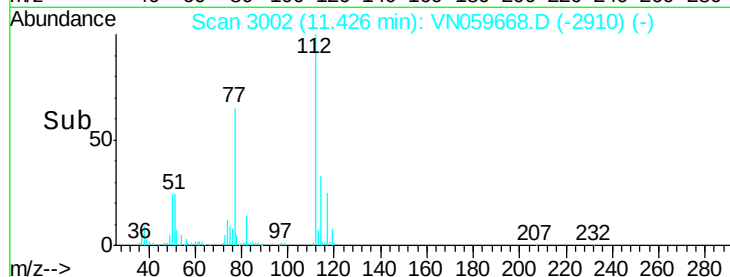
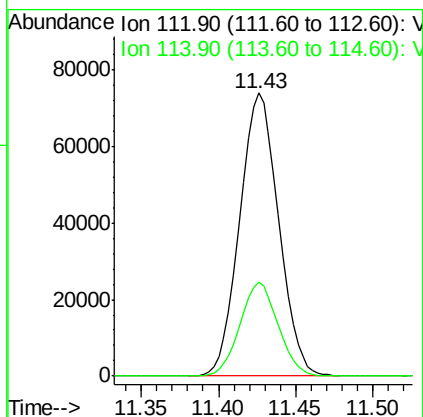
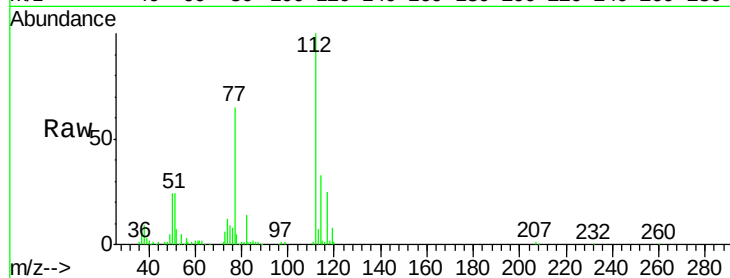
Ion Ratio Lower Upper

112 100

114 33.1 25.8 38.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

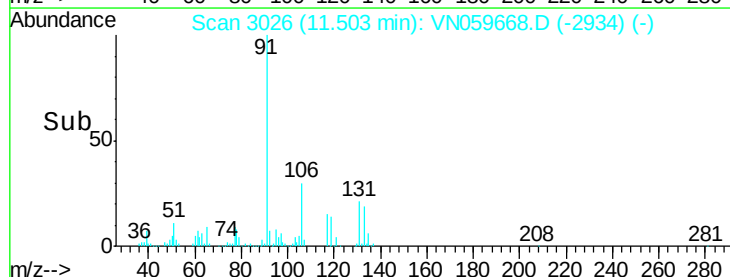
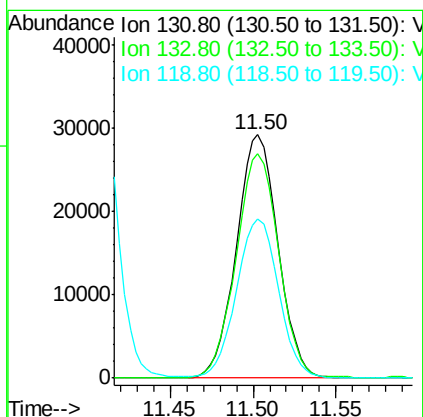
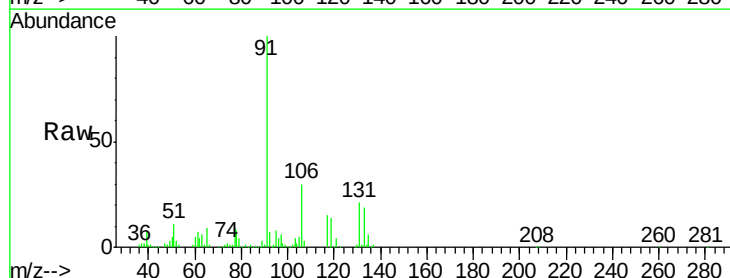
Tgt Ion:131 Resp: 50762

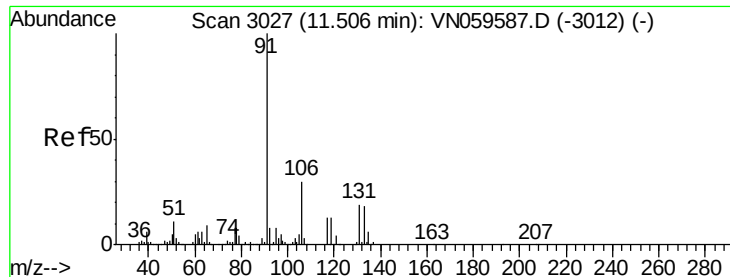
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

119 66.6 33.1 99.3





#67

Ethyl Benzene

Concen: 19.341 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 91 Resp: 236638

Ion Ratio Lower Upper

91 100

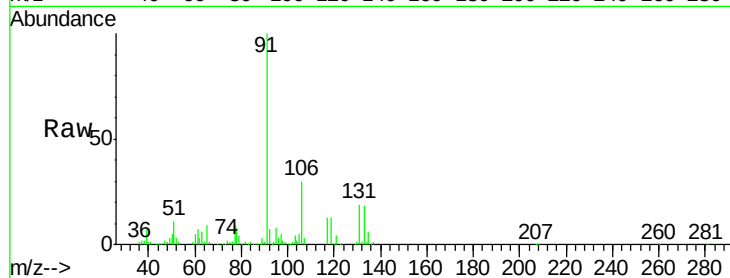
106 30.3 24.1 36.1

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

200000

150000

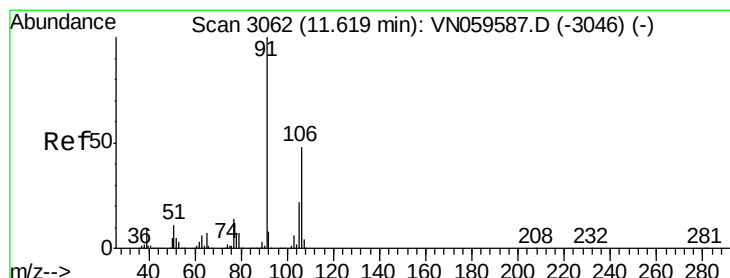
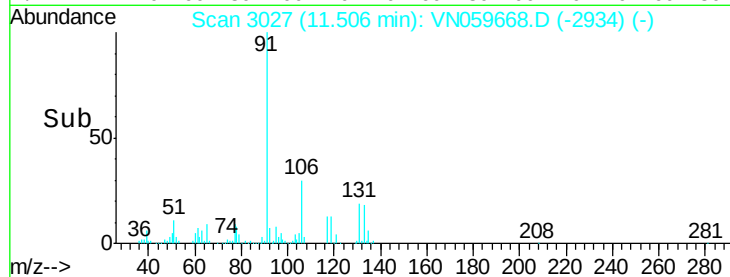
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 37.034 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059668.D

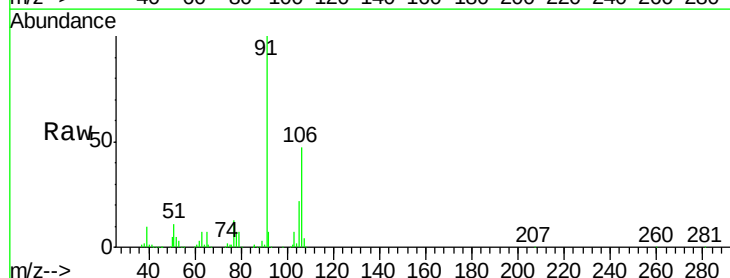
Acq: 19 Dec 2019 13:57

Tgt Ion: 106 Resp: 167321

Ion Ratio Lower Upper

106 100

91 210.6 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

200000

150000

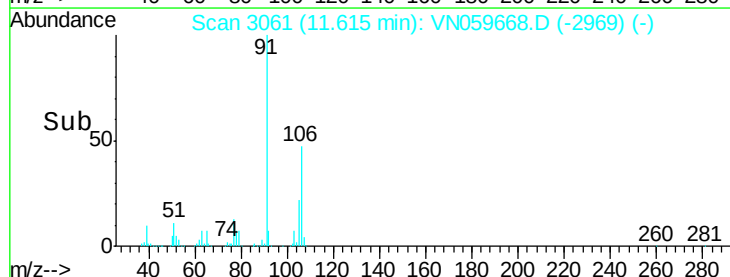
100000

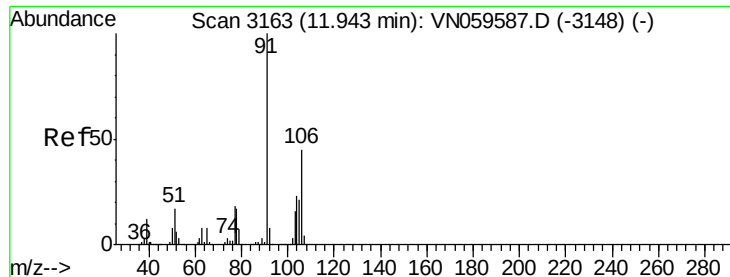
50000

0

11.60 11.62 11.64

Time-->





#69

o-Xylene

Concen: 18.712 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:106 Resp: 80443

Ion Ratio Lower Upper

106 100

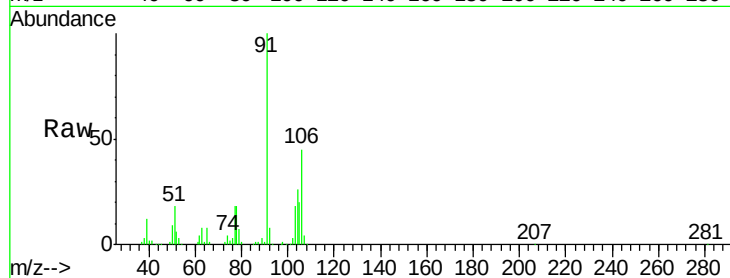
91 227.1 110.3 330.9

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

120000

100000

80000

60000

40000

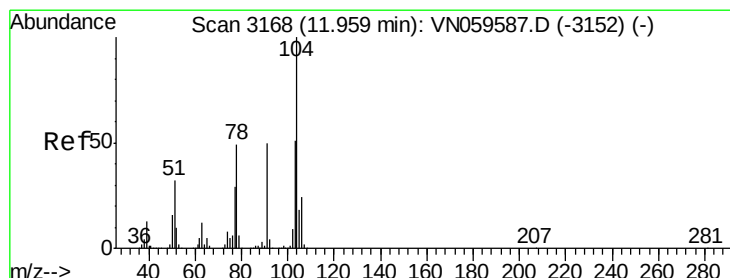
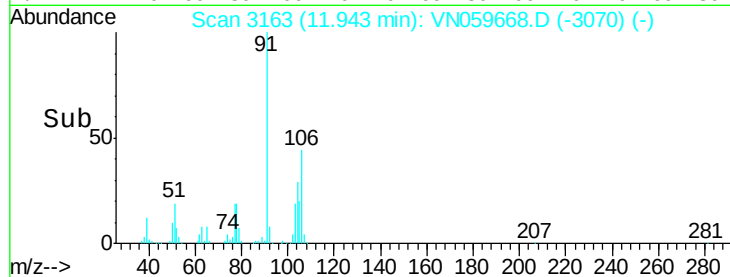
20000

0

11.94

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.675 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

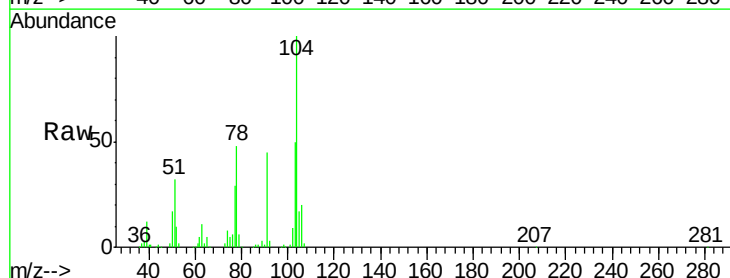
Tgt Ion:104 Resp: 128989

Ion Ratio Lower Upper

104 100

78 53.6 42.4 63.6

103 55.6 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

100000

80000

60000

40000

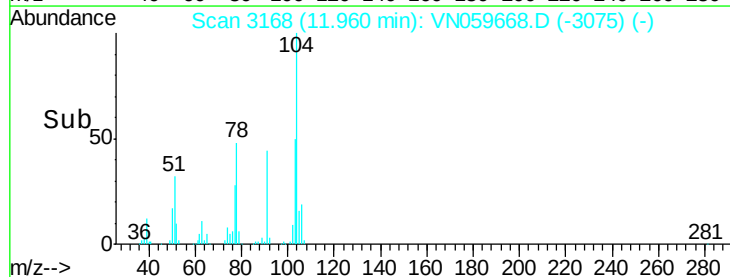
20000

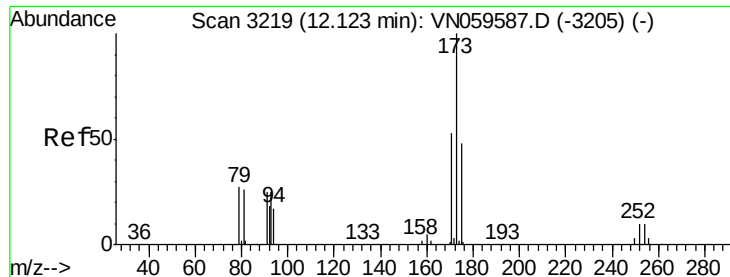
0

11.96

11.90 12.00

Time-->





#71

Bromoform

Concen: 19.426 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:173 Resp: 37597

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.4

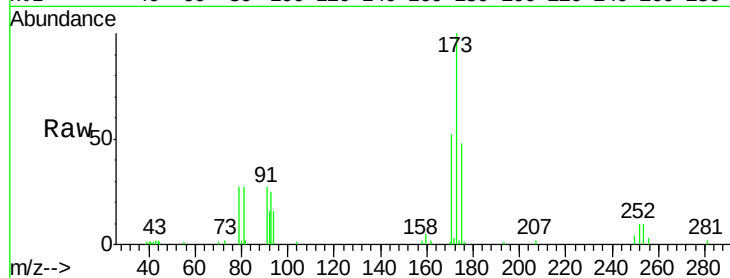
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

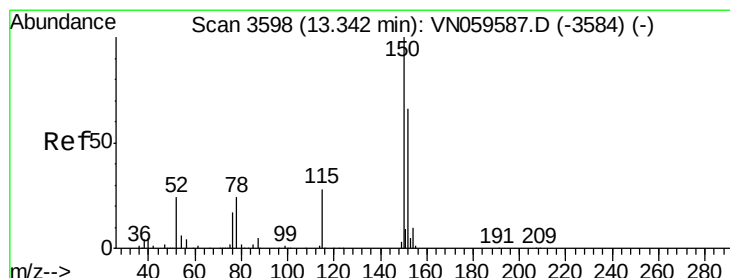
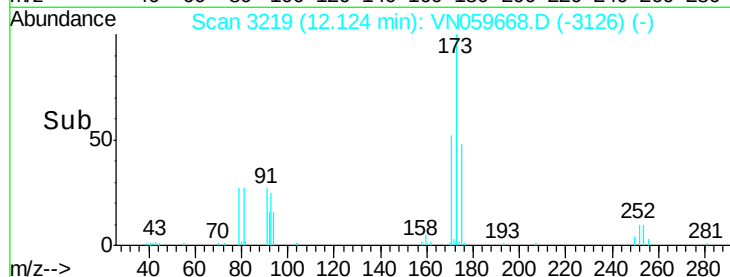
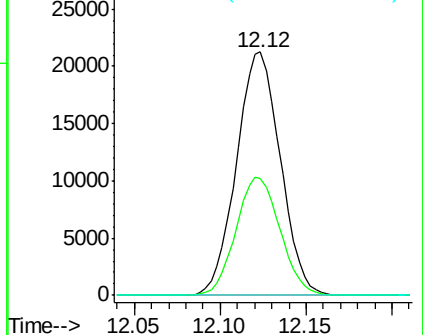
12/20/2019 9:20:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

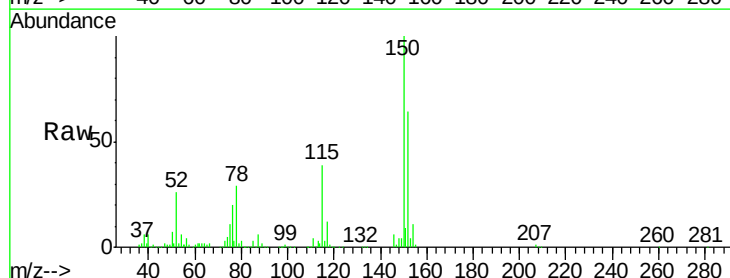
Tgt Ion:152 Resp: 140721

Ion Ratio Lower Upper

152 100

115 60.9 30.3 90.9

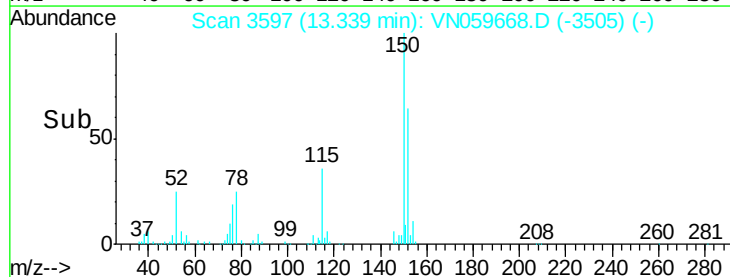
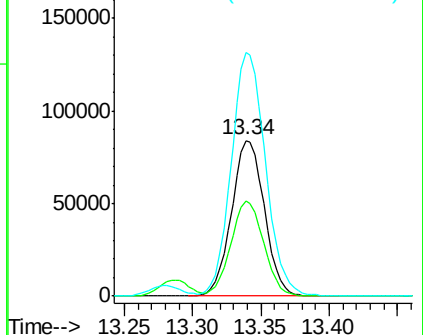
150 163.3 0.0 345.2

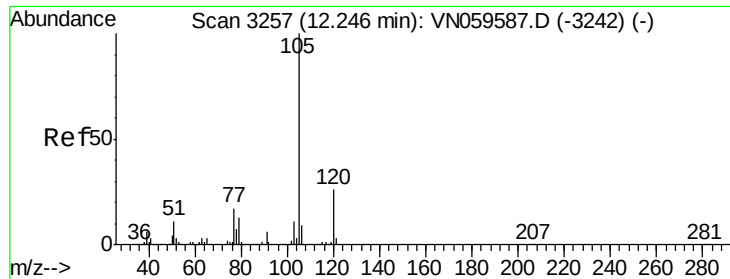


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.787 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 105 Resp: 218579

Ion Ratio Lower Upper

105 100

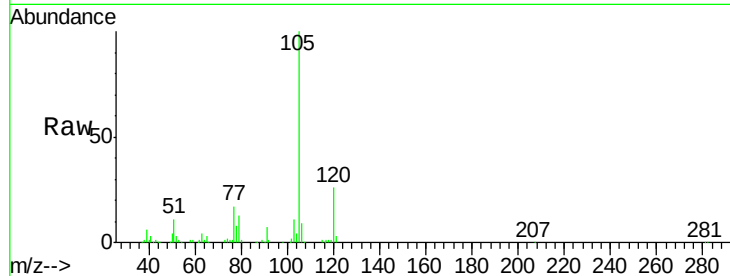
120 25.8 13.2 39.5

Manual Integrations

APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

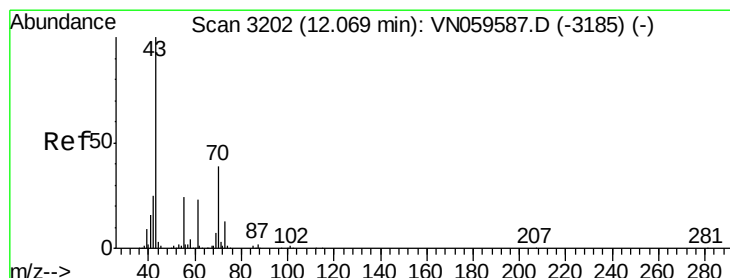
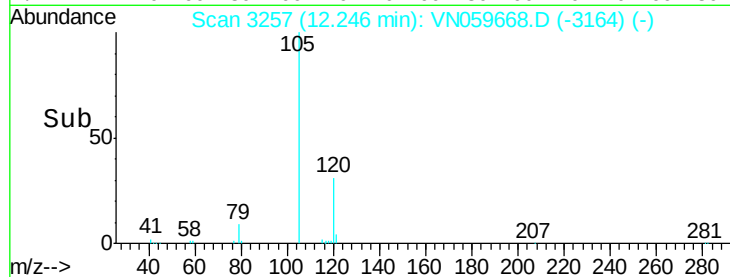
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.081 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion: 43 Resp: 96687

Ion Ratio Lower Upper

43 100

70 39.4 31.3 46.9

55 26.4 19.8 29.6

61 22.0 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

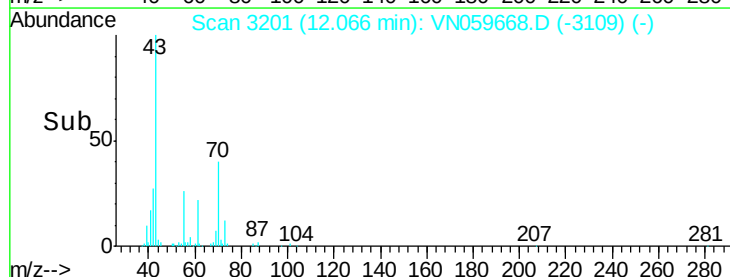
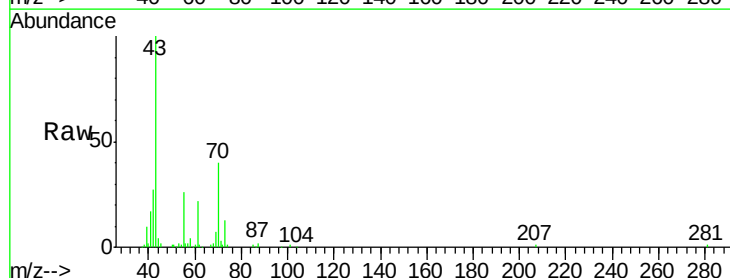
40000

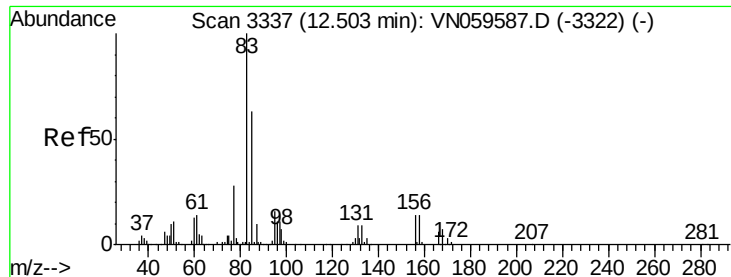
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.016 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

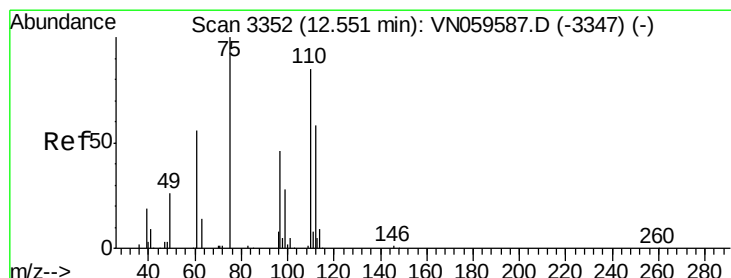
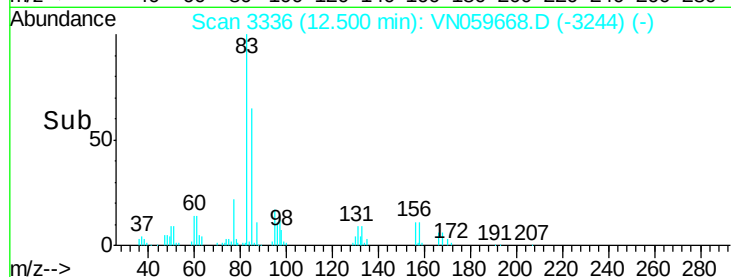
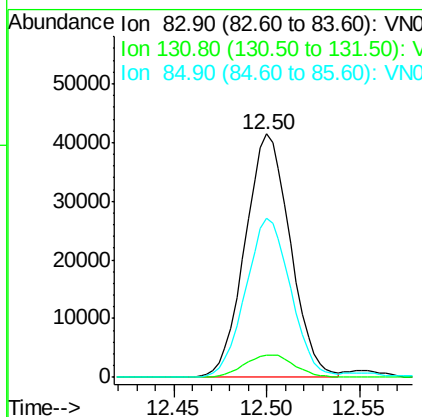
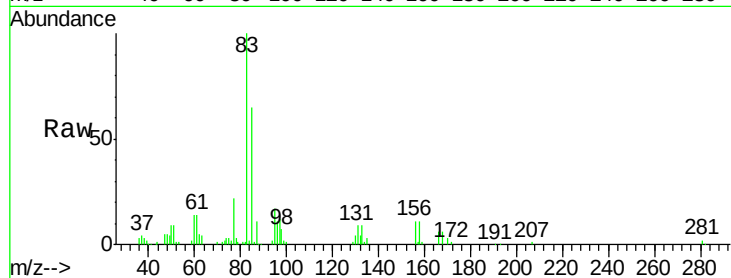
ClientSampleId :

VN1219WBSD01

Tot Ion:	83	Resp:	70139
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	65.1	31.9	95.5

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#76

1,2,3-Trichloropropane

Concen: 19.702 ug/l m

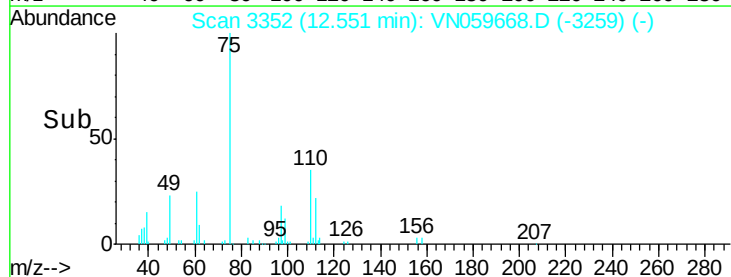
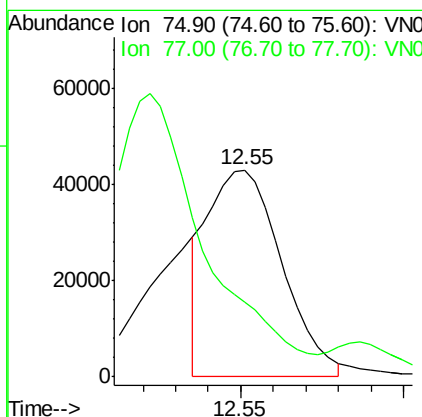
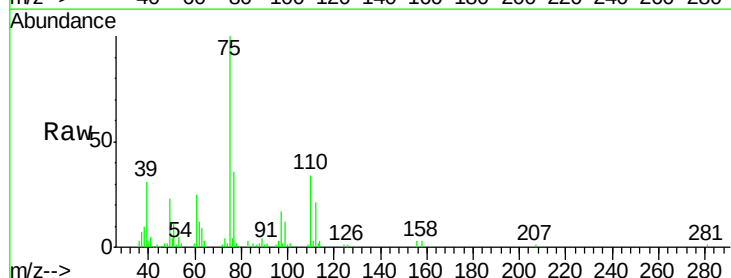
RT: 12.55 min Scan# 3352

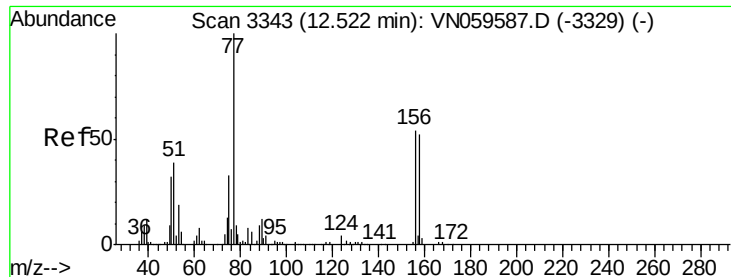
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	75	Resp:	68633
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





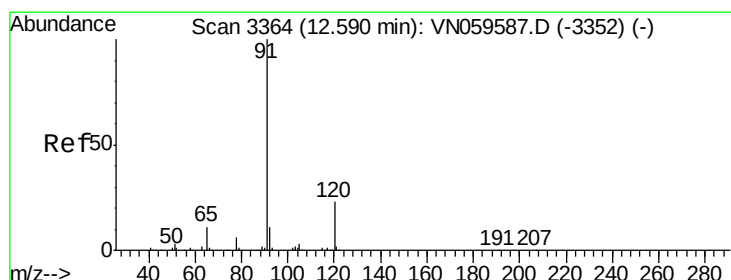
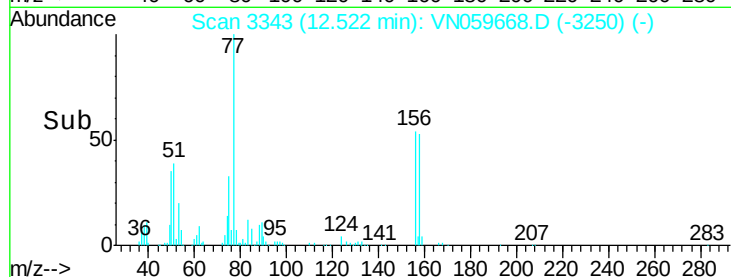
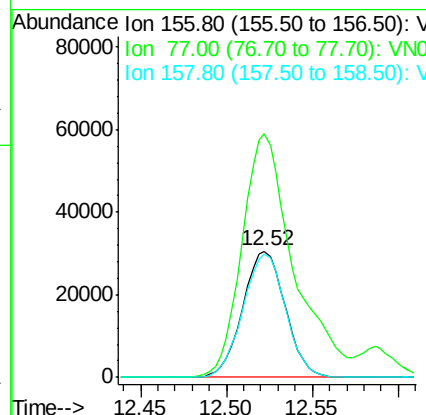
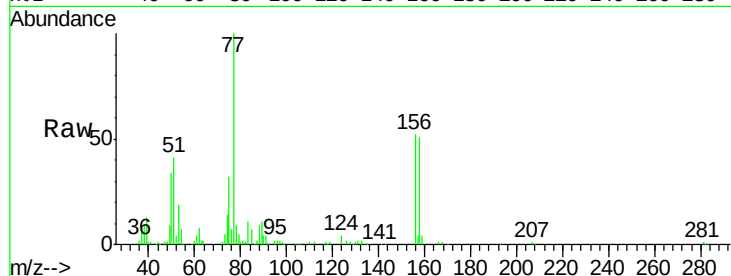
#77
Bromobenzene
Concen: 19.249 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	236.6	115.8	347.4
158	98.3	49.2	147.6

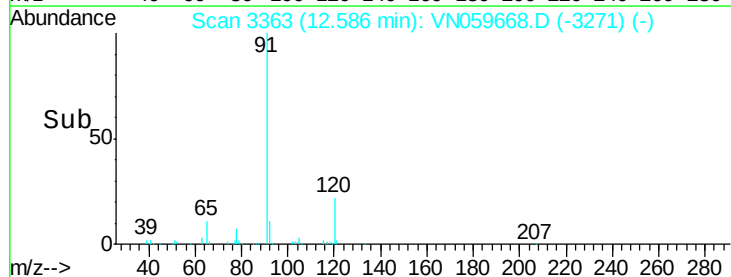
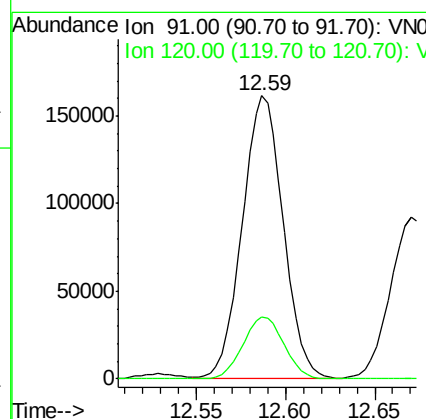
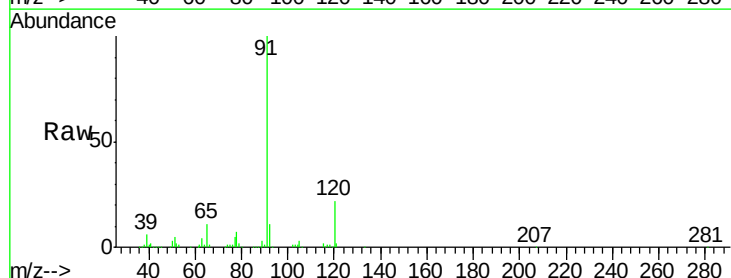
Manual Integrations
APPROVED

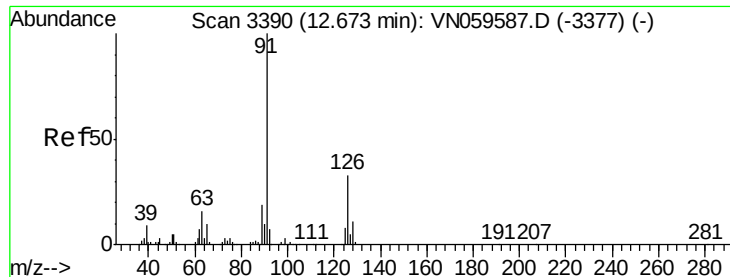
apatel
12/20/2019 9:20:27 AM



#78
n-propylbenzene
Concen: 19.851 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.851 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 91 Resp: 156742

Ion Ratio Lower Upper

91 100

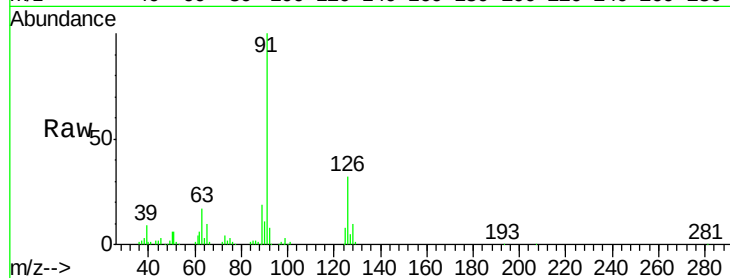
126 32.3 16.3 48.9

Manual Integrations

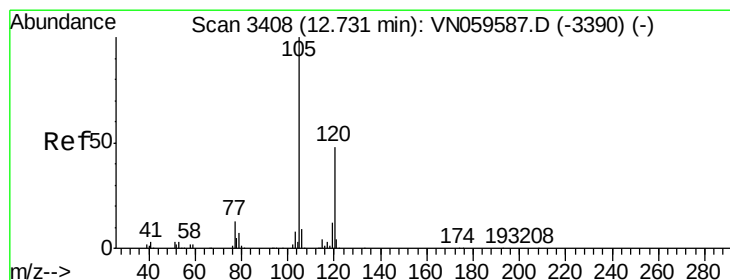
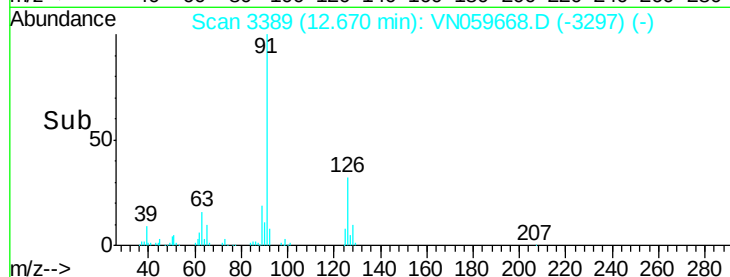
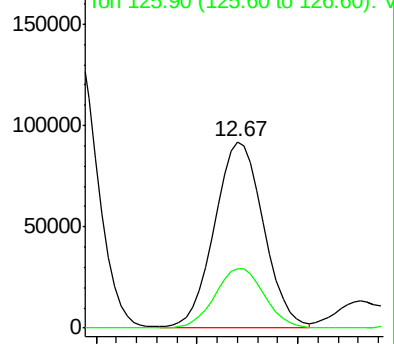
APPROVED

apatel

12/20/2019 9:20:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.101 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059668.D

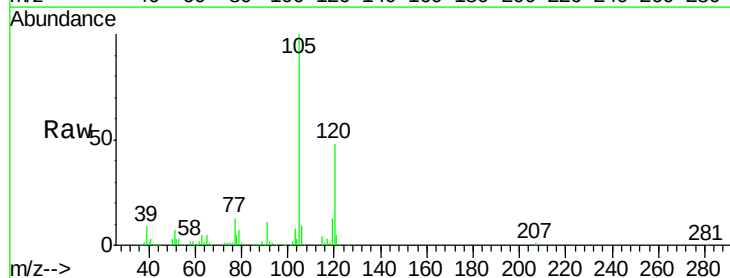
Acq: 19 Dec 2019 13:57

Tgt Ion: 105 Resp: 187907

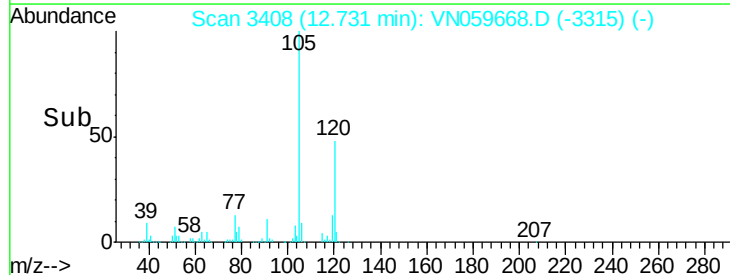
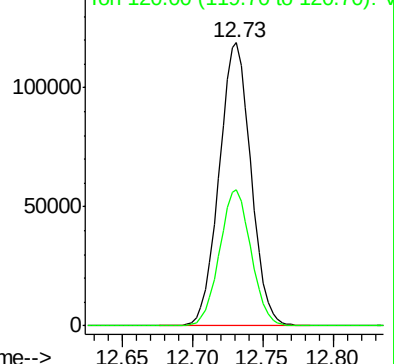
Ion Ratio Lower Upper

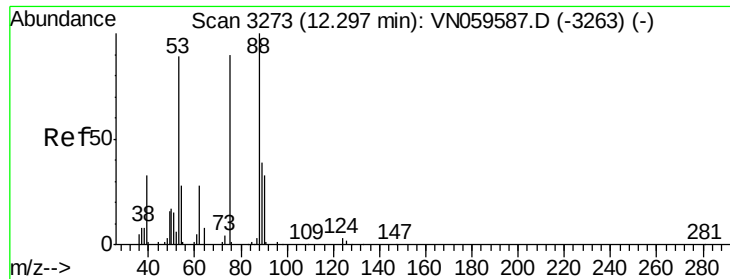
105 100

120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)





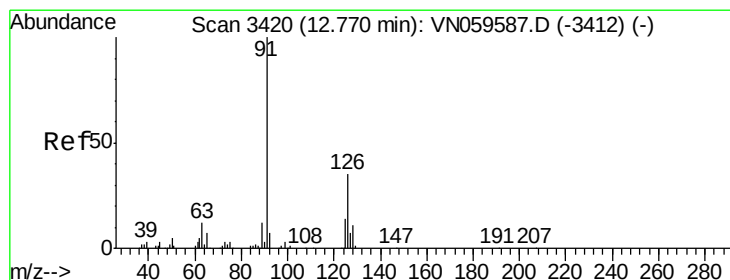
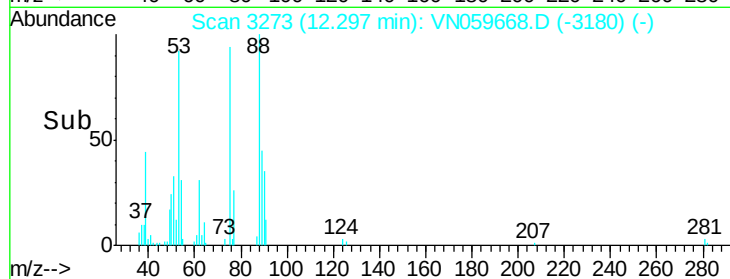
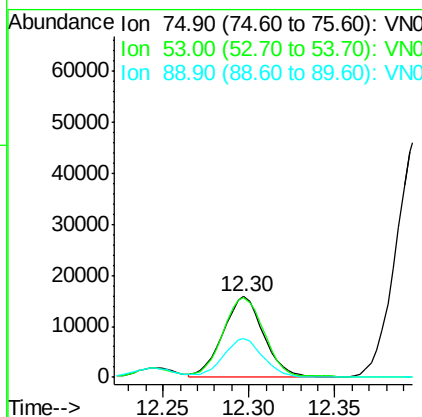
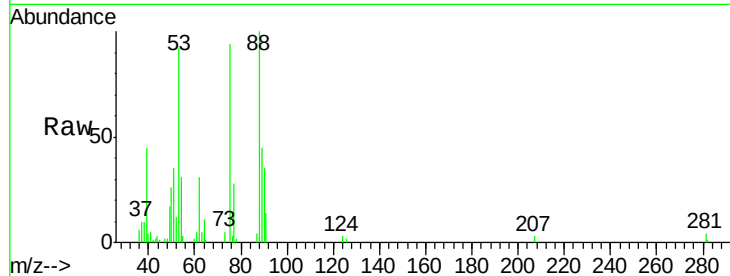
#81
trans-1,4-Dichloro-2-butene
Concen: 18.529 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.7	78.1	117.1
89	46.1	35.4	53.2

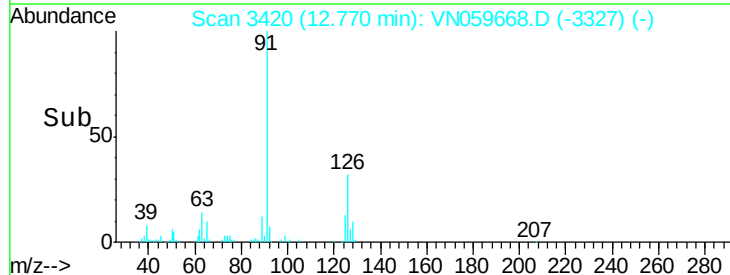
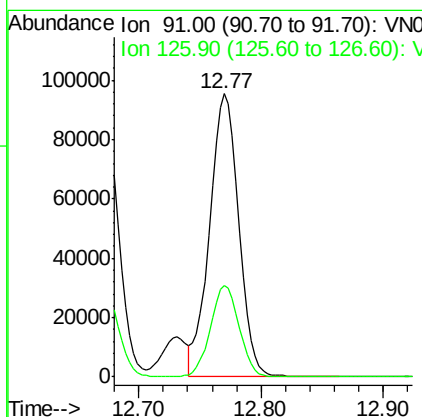
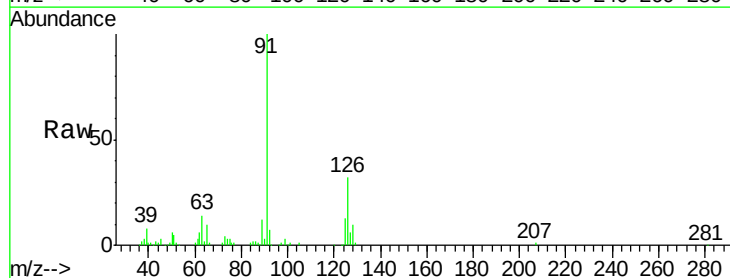
Manual Integrations
APPROVED

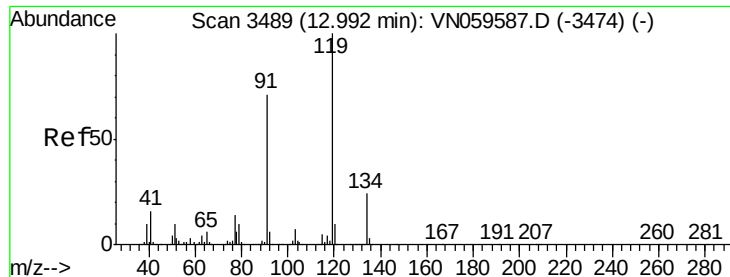
apatel
12/20/2019 9:20:27 AM



#82
4-Chlorotoluene
Concen: 19.828 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.3	48.8





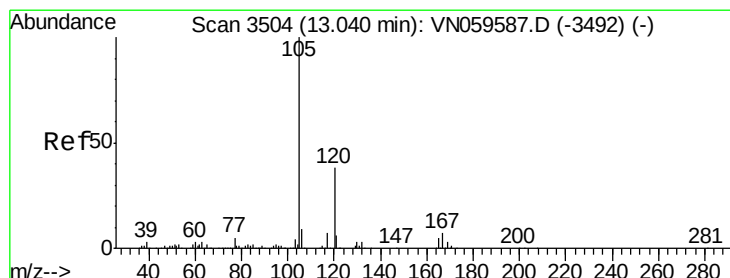
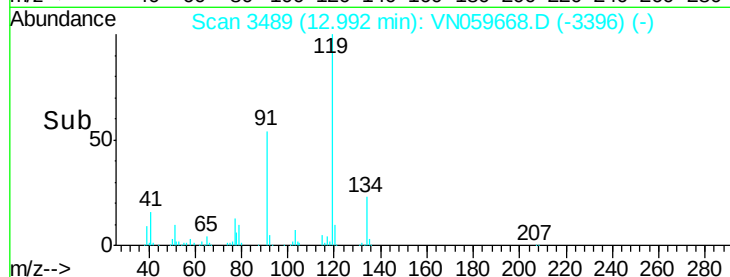
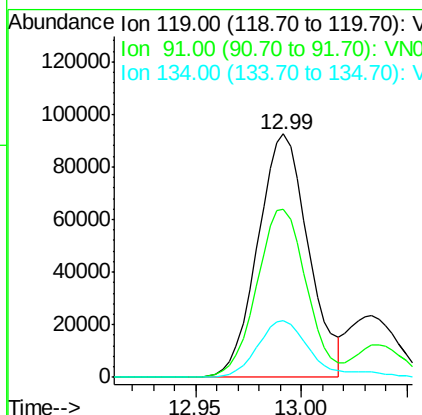
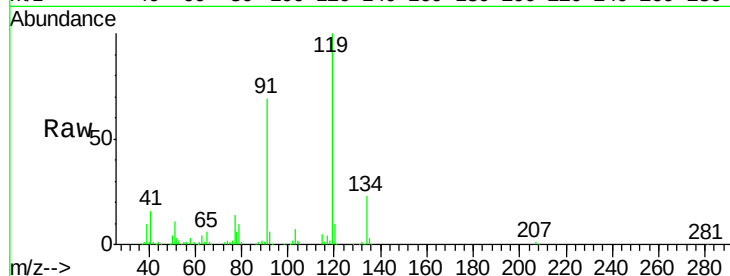
#83
 tert-Butylbenzene
 Concen: 19.522 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.4
134	24.8	12.3	36.9

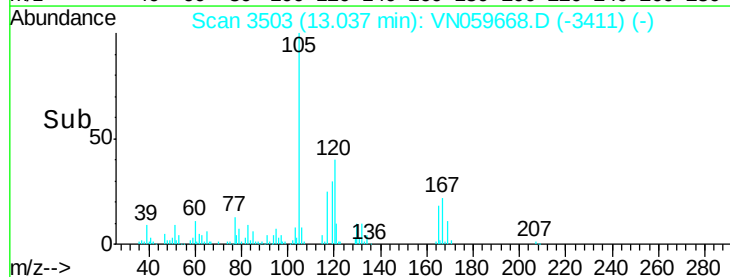
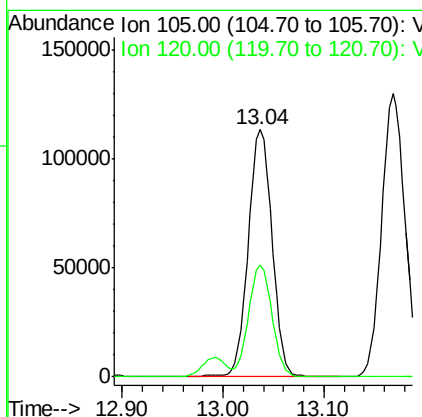
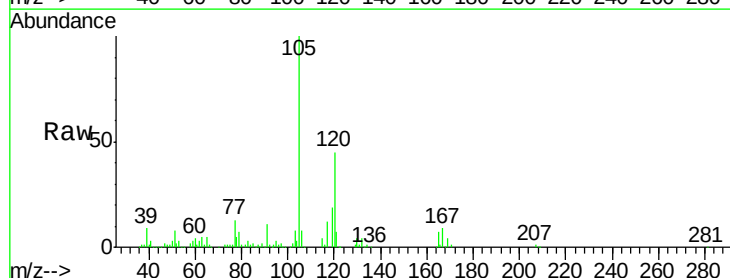
Manual Integrations
 APPROVED

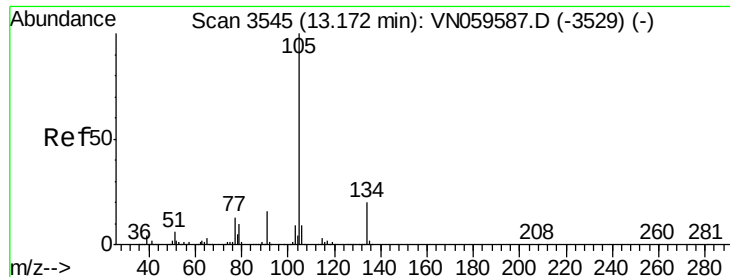
apatel
 12/20/2019 9:20:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.883 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.956 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

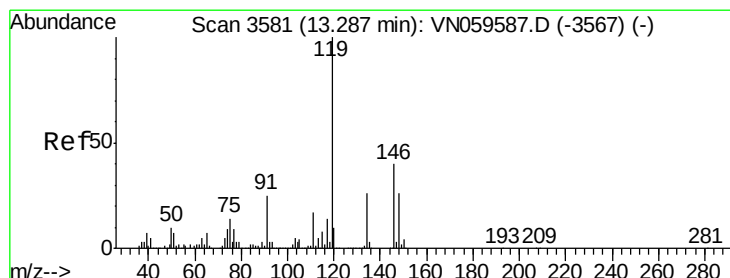
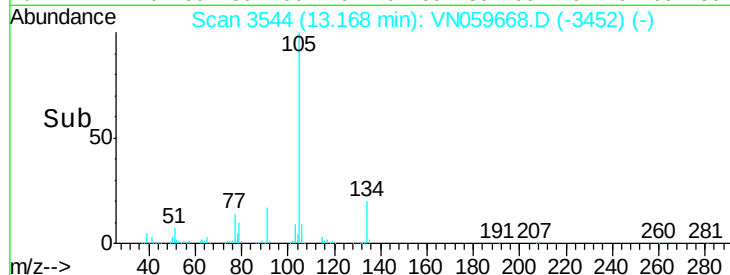
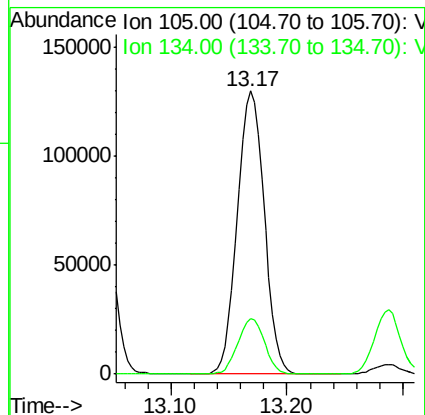
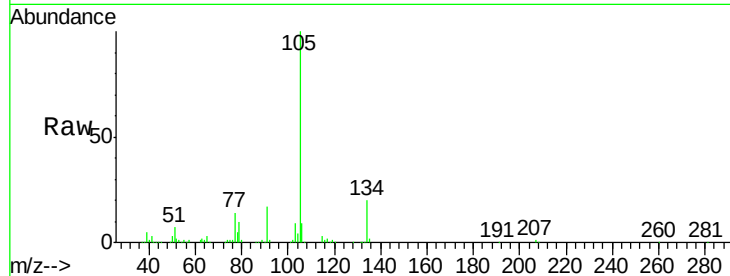
ClientSampleId :

VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	210151		
134	19.3	9.8	29.5	

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#86

p-Isopropyltoluene

Concen: 19.217 ug/l

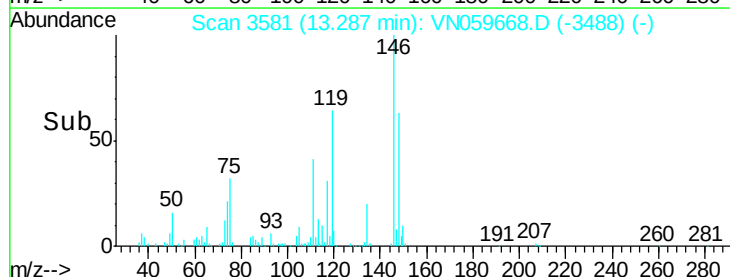
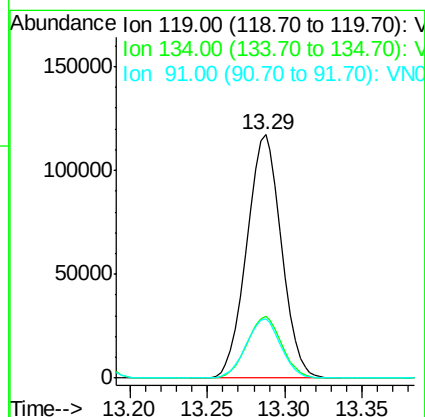
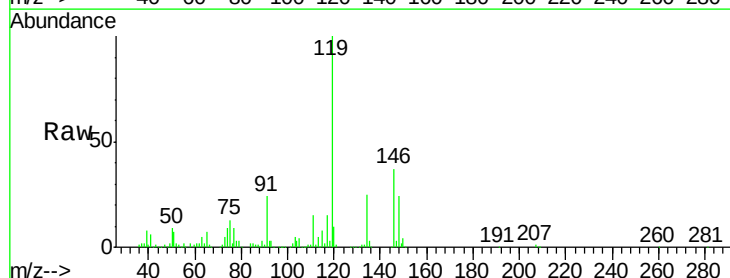
RT: 13.29 min Scan# 3581

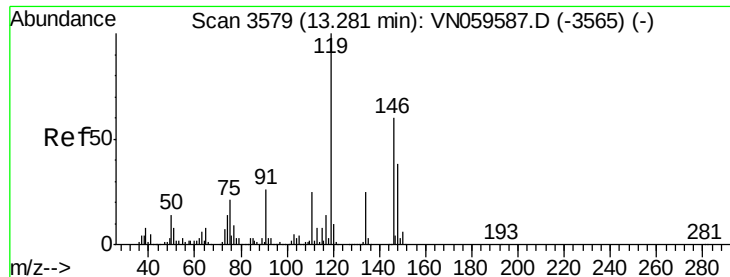
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	183285		
134	25.6	12.9	38.7	
91	24.4	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 18.533 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

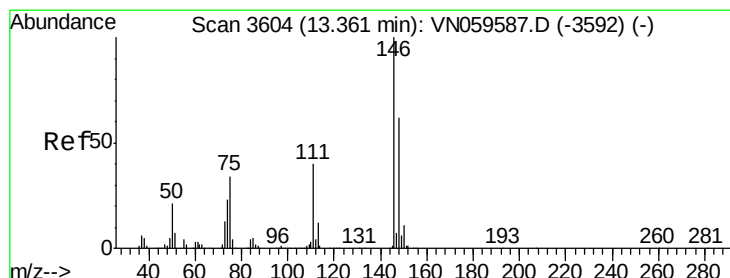
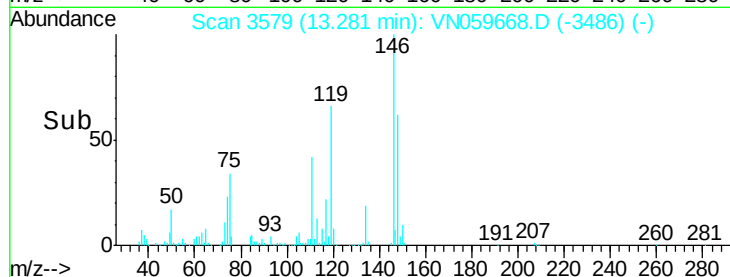
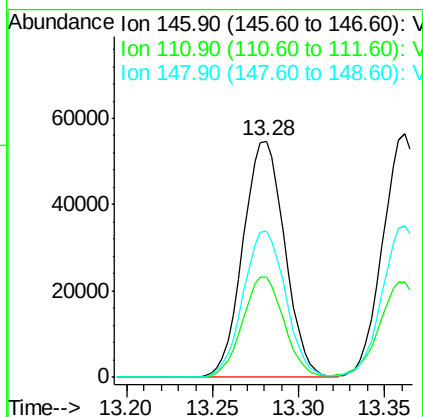
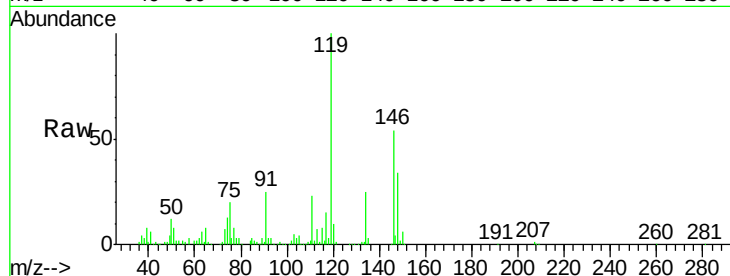
ClientSampleId :

VN1219WBSD01

Tot Ion:	146	Resp:	92578
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.8	62.2
148	62.7	32.0	96.0

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#88

1,4-Dichlorobenzene

Concen: 18.618 ug/l

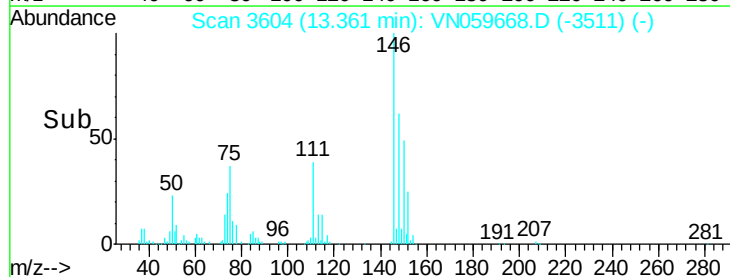
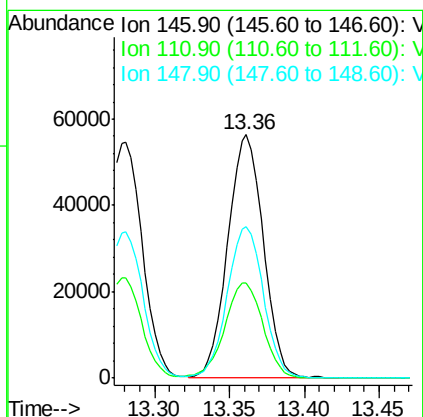
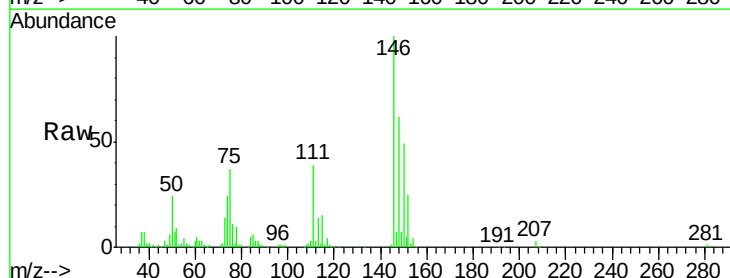
RT: 13.36 min Scan# 3604

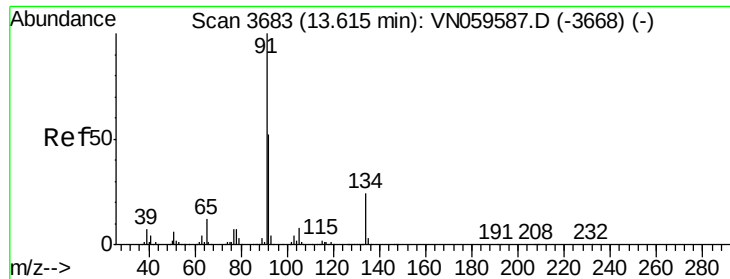
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	146	Resp:	93771
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.8	62.2
148	63.3	31.8	95.4





#89

n-Butylbenzene

Concen: 18.501 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Instrument :

MSVOA_N

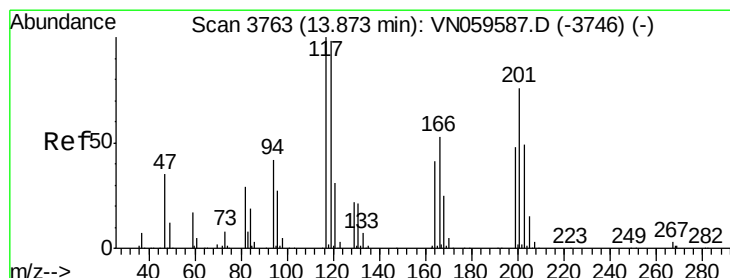
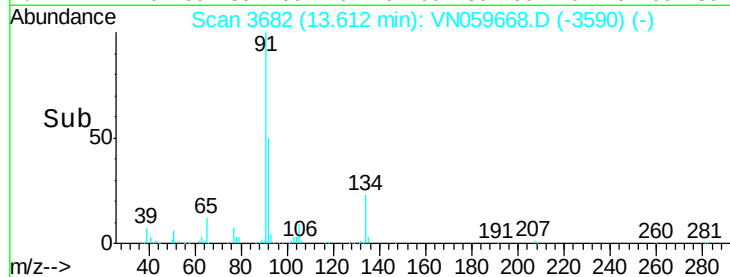
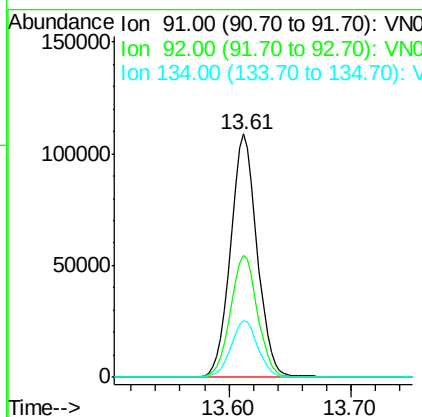
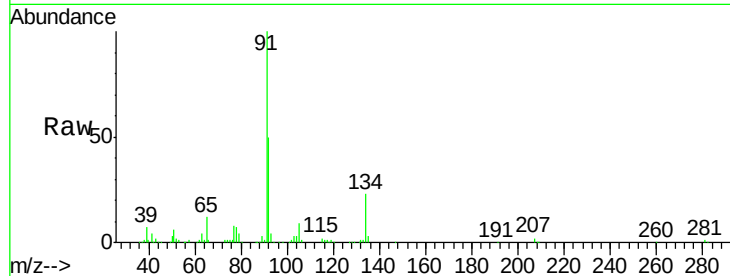
ClientSampleId :

VN1219WBSD01

Tot Ion:	91	Resp:	165440
Ion Ratio	Lower	Upper	
91	100		
92	51.0	25.9	77.7
134	23.6	12.3	36.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#90

Hexachloroethane

Concen: 19.913 ug/l

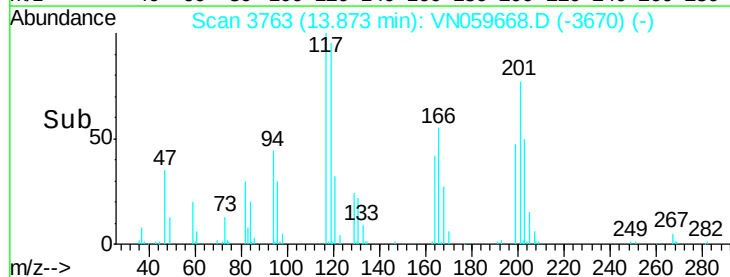
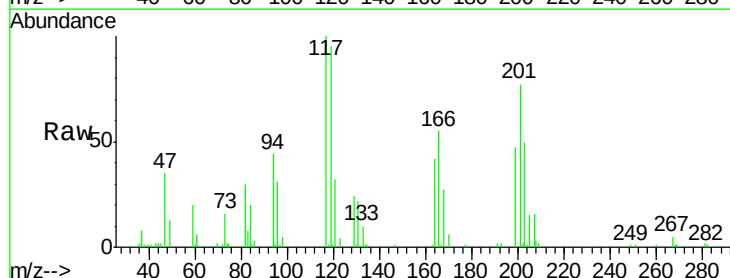
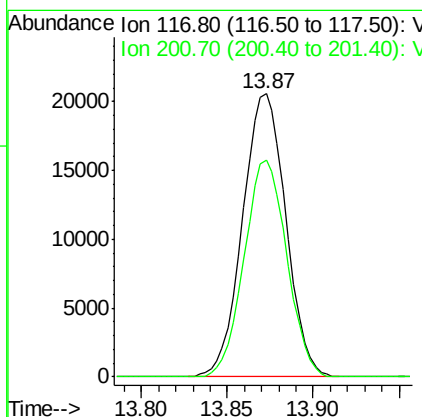
RT: 13.87 min Scan# 3763

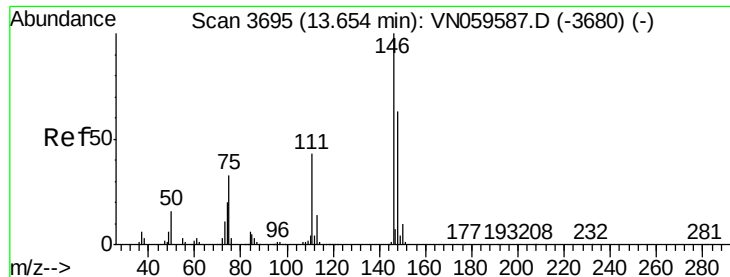
Delta R.T. 0.00 min

Lab File: VN059668.D

Acq: 19 Dec 2019 13:57

Tgt Ion:	117	Resp:	35900
Ion Ratio	Lower	Upper	
117	100		
201	75.3	37.8	113.4





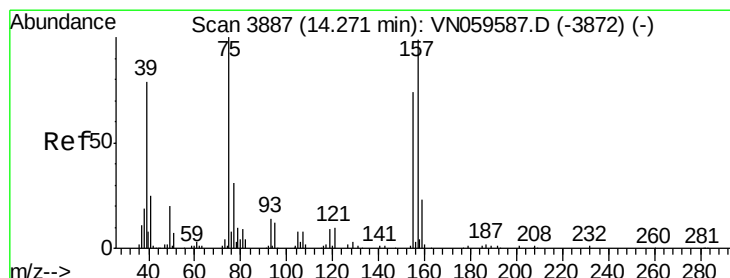
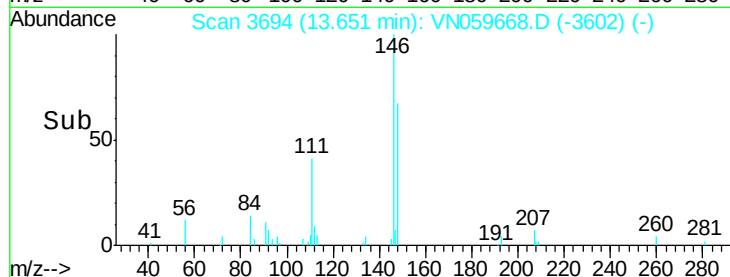
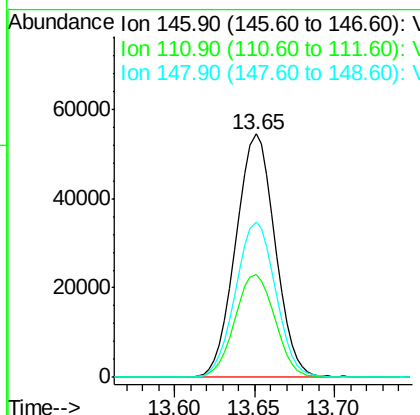
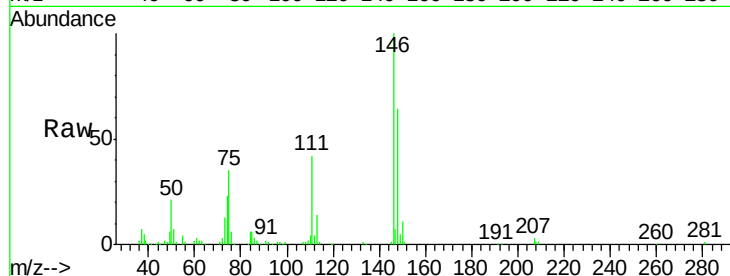
#91
 1,2-Dichlorobenzene
 Concen: 18.533 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.8
148	64.8	31.6	95.0

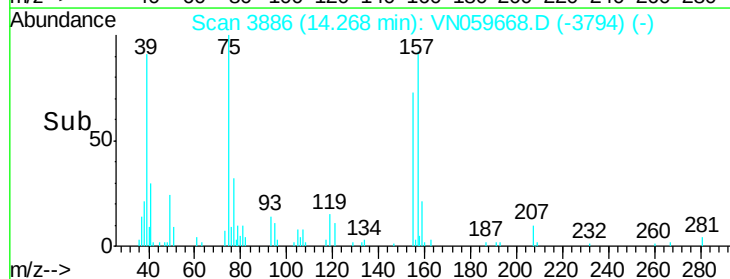
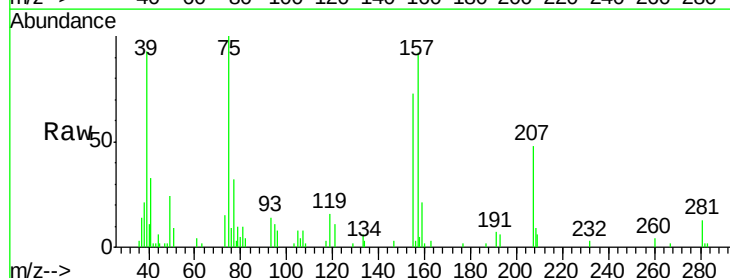
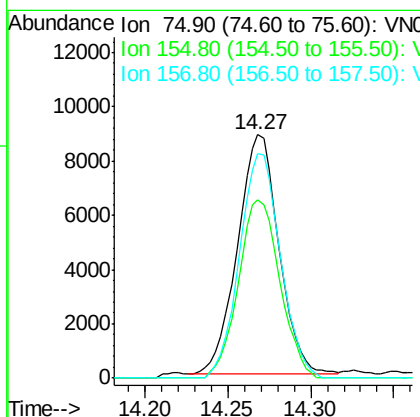
Manual Integrations
 APPROVED

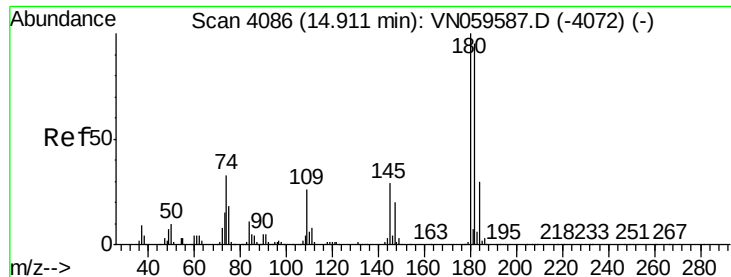
apatel
 12/20/2019 9:20:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.715 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.0	110.9
157	92.3	48.4	145.2





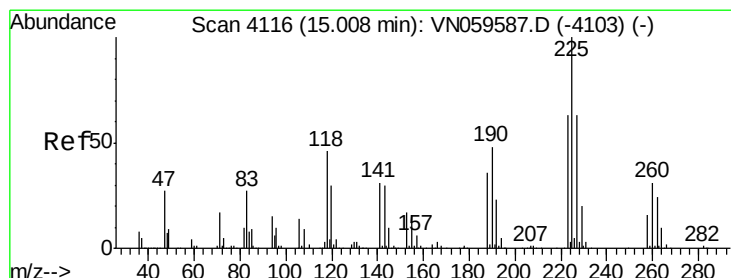
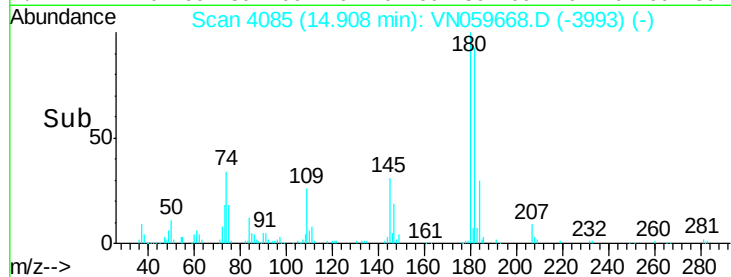
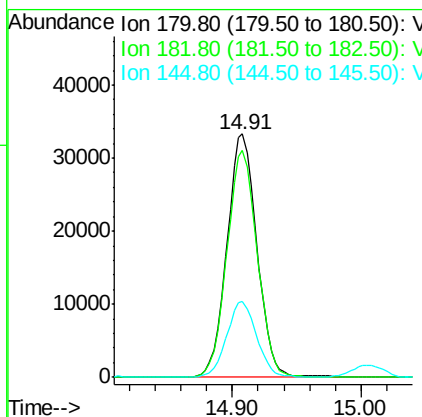
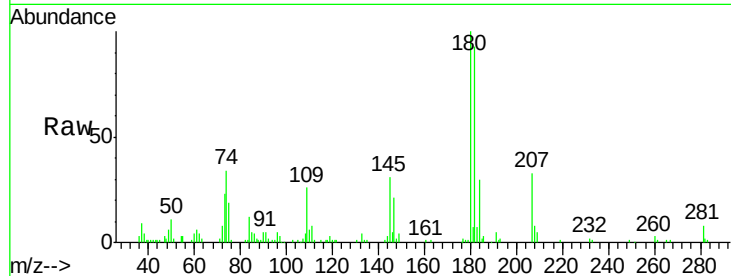
#93
 1,2,4-Trichlorobenzene
 Concen: 16.862 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.7
145	31.2	15.0	45.1

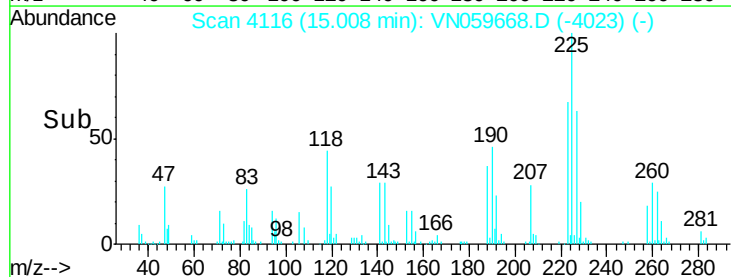
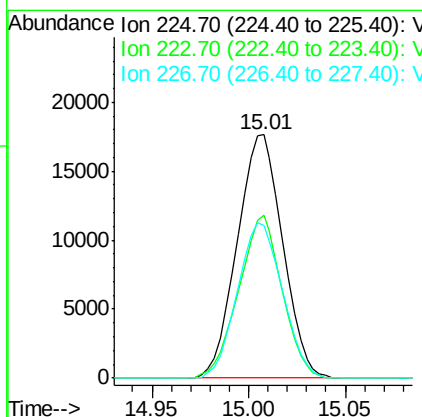
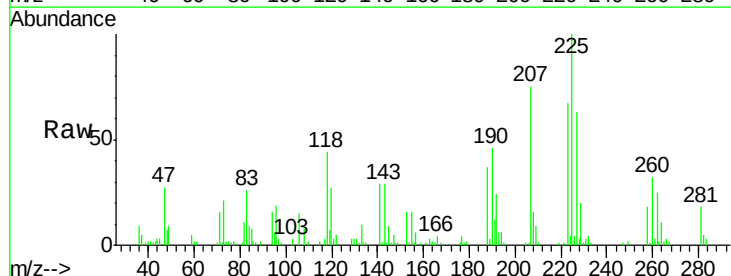
Manual Integrations
 APPROVED

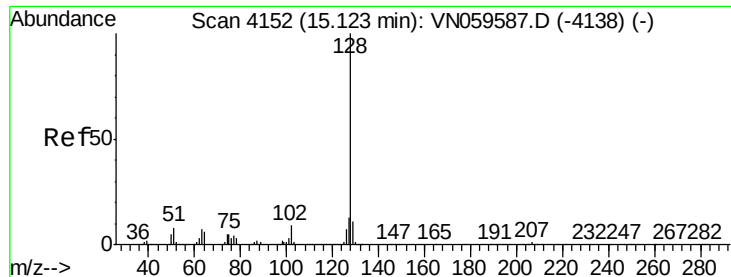
apatel
 12/20/2019 9:20:27 AM



#94
 Hexachlorobutadiene
 Concen: 17.765 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059668.D
 Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.8	95.3
227	63.0	32.1	96.5





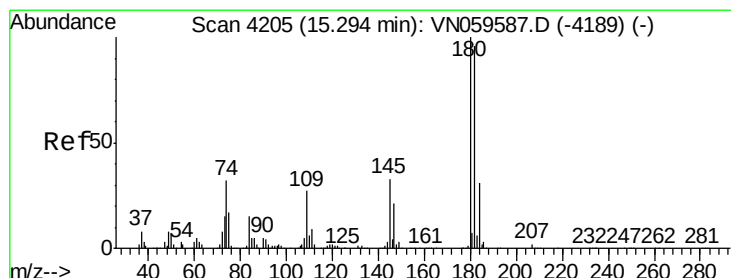
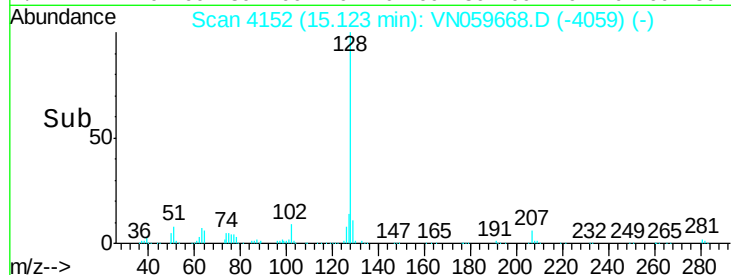
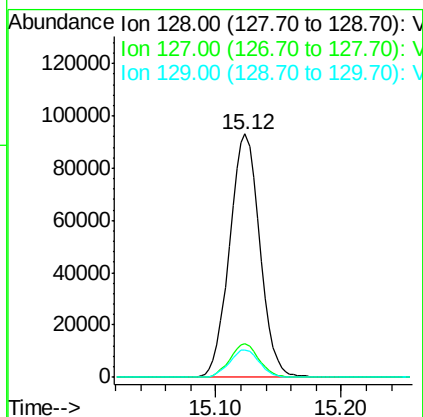
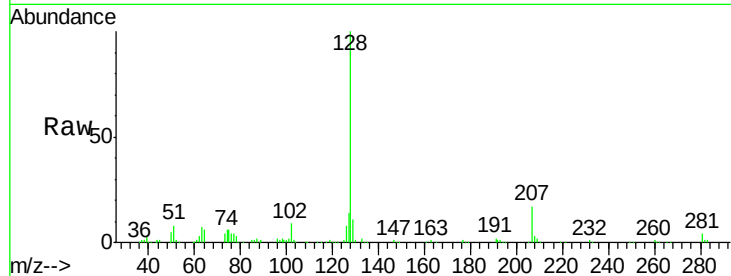
#95
Naphthalene
Concen: 16.431 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.968 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059668.D
Acq: 19 Dec 2019 13:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.3
145	33.1	16.3	48.9

