

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059421.D
 Acq On : 27 Nov 2019 13:45
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:08:53 AM

Quant Time: Nov 28 02:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	376276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	585626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	519860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	222898	50.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.14%	
35) Dibromofluoromethane	7.57	113	185586	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	
50) Toluene-d8	10.08	98	734428	51.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	251769	50.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	158492	35.787	ug/l	98
3) Chloromethane	2.04	50	186873	34.544	ug/l	99
4) Vinyl Chloride	2.17	62	182024	35.015	ug/l	99
5) Bromomethane	2.55	94	104908	33.518	ug/l	95
6) Chloroethane	2.68	64	101660	34.879	ug/l	99
7) Trichlorofluoromethane	3.00	101	211465	34.152	ug/l	100
8) Diethyl Ether	3.39	74	85501	33.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	129075	33.847	ug/l	99
10) Methyl Iodide	3.93	142	171108	34.472	ug/l	99
11) Tert butyl alcohol	4.76	59	127643	167.167	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	130280	34.884	ug/l	99
13) Acrolein	3.58	56	183706	246.463	ug/l	100
14) Allyl chloride	4.30	41	235705	34.029	ug/l	99
15) Acrylonitrile	4.95	53	378981	178.119	ug/l	99
16) Acetone	3.79	43	357677	170.337	ug/l	99
17) Carbon Disulfide	4.03	76	419442	32.728	ug/l	100
18) Methyl Acetate	4.30	43	194208	33.963	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	416999	34.650	ug/l	99
20) Methylene Chloride	4.53	84	143133	33.547	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	140090	34.429	ug/l	99
22) Diisopropyl ether	5.92	45	446191	34.665	ug/l	99
23) Vinyl Acetate	5.87	43	1885262	181.548	ug/l	100
24) 1,1-Dichloroethane	5.82	63	258545	34.911	ug/l	100
25) 2-Butanone	6.81	43	515418	178.425	ug/l	99
26) 2,2-Dichloropropane	6.80	77	215136	34.135	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	152784	34.332	ug/l	99
28) Bromochloromethane	7.17	49	130574	41.433	ug/l	99
29) Tetrahydrofuran	7.19	42	342046	178.036	ug/l	100
30) Chloroform	7.35	83	245758	32.977	ug/l	99
31) Cyclohexane	7.63	56	244833	32.977	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	209916	34.444	ug/l	100
36) 1,1-Dichloropropene	7.77	75	193118	34.292	ug/l	99
37) Ethyl Acetate	6.91	43	203909	34.222	ug/l	99
38) Carbon Tetrachloride	7.75	117	184137	34.646	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059421.D
 Acq On : 27 Nov 2019 13:45
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:08:53 AM

Quant Time: Nov 28 02:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	231821	34.408	ug/l	99
40) Benzene	8.02	78	575132	34.395	ug/l	99
41) Methacrylonitrile	7.15	41	81724m	29.456	ug/l	
42) 1,2-Dichloroethane	8.10	62	185826	35.047	ug/l	100
43) Isopropyl Acetate	8.15	43	317684	35.096	ug/l	100
44) Trichloroethene	8.82	130	147158	34.515	ug/l	99
45) 1,2-Dichloropropane	9.10	63	153147	35.015	ug/l	99
46) Dibromomethane	9.20	93	94230	34.912	ug/l	98
47) Bromodichloromethane	9.39	83	188387	34.509	ug/l	100
48) Methyl methacrylate	9.19	41	140069	34.879	ug/l	100
49) 1,4-Dioxane	9.19	88	39324	670.468	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	968216	184.410	ug/l	100
52) Toluene	10.15	92	344403	34.476	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	217194	34.625	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	237345	35.051	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	132562	33.903	ug/l	99
56) Ethyl methacrylate	10.42	69	203680	38.009	ug/l	98
57) 1,3-Dichloropropane	10.70	76	234386	34.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	299542	178.794	ug/l	100
59) 2-Hexanone	10.75	43	715263	183.719	ug/l	99
60) Dibromochloromethane	10.90	129	144948	35.513	ug/l	100
61) 1,2-Dibromoethane	11.00	107	141324	35.272	ug/l	98
64) Tetrachloroethene	10.63	164	128983	33.544	ug/l	98
65) Chlorobenzene	11.43	112	358332	34.048	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133867	35.075	ug/l	99
67) Ethyl Benzene	11.51	91	643331	34.802	ug/l	99
68) m/p-Xylenes	11.62	106	483363	70.034	ug/l	99
69) o-Xylene	11.95	106	229706	34.704	ug/l	99
70) Styrene	11.96	104	370026	37.888	ug/l	100
71) Bromoform	12.13	173	103775	35.710	ug/l #	100
73) Isopropylbenzene	12.25	105	612433	34.594	ug/l	100
74) N-amyl acetate	12.07	43	244342	39.833	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	200523	34.733	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	178483m	33.015	ug/l	
77) Bromobenzene	12.53	156	147938	34.132	ug/l	99
78) n-propylbenzene	12.59	91	710533	34.829	ug/l	100
79) 2-Chlorotoluene	12.68	91	415018	34.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	519458	34.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72310	34.368	ug/l	97
82) 4-Chlorotoluene	12.77	91	426542	33.990	ug/l	100
83) tert-Butylbenzene	12.99	119	435676	34.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	506649	34.755	ug/l	99
85) sec-Butylbenzene	13.17	105	593022	34.948	ug/l	99
86) p-Isopropyltoluene	13.29	119	527148	34.363	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	259893	33.835	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	256398	33.249	ug/l	100
89) n-Butylbenzene	13.62	91	444960	33.181	ug/l	99
90) Hexachloroethane	13.88	117	97459	33.239	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	250721	33.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39291	40.193	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
Data File : VN059421.D
Acq On : 27 Nov 2019 13:45
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

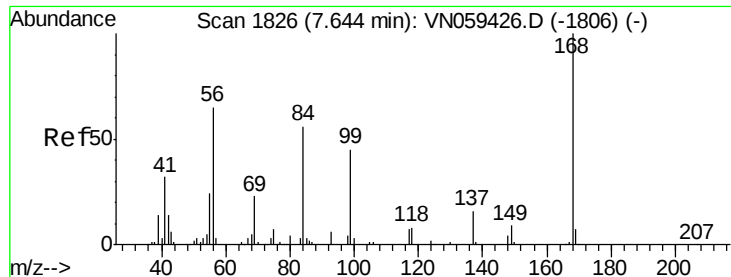
Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM

Quant Time: Nov 28 02:05:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146033	31.213	ug/l	100
94) Hexachlorobutadiene	15.01	225	92150	32.139	ug/l	99
95) Naphthalene	15.13	128	384790	38.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	148270	38.310	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 376276

Ion Ratio Lower Upper

168 100

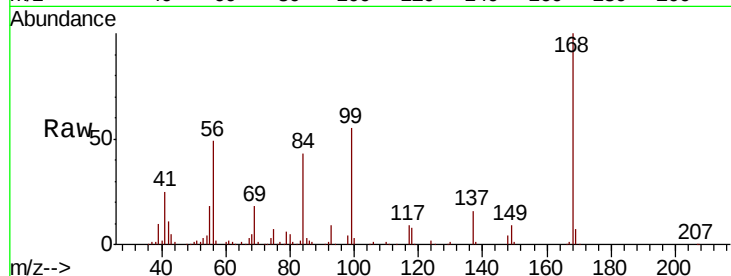
99 54.8 43.0 64.4

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

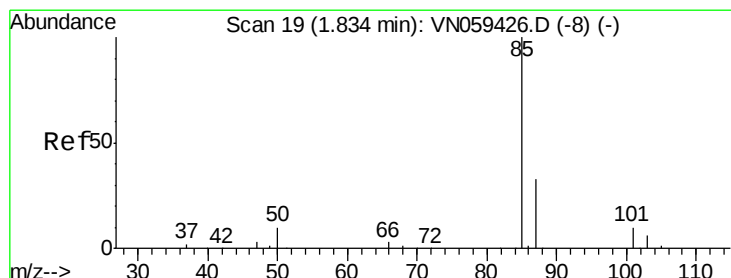
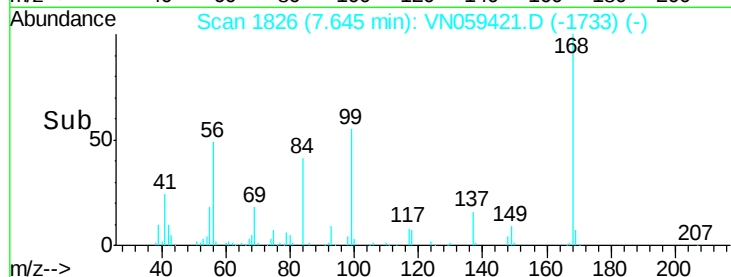
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 35.787 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059421.D

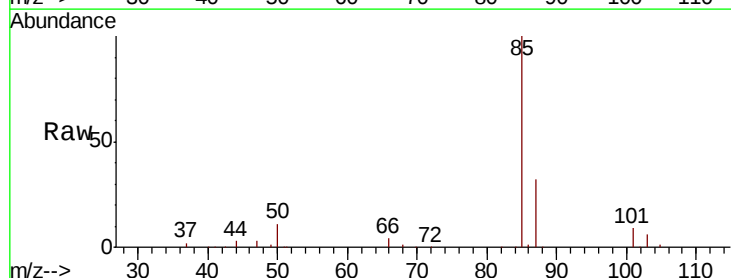
Acq: 27 Nov 2019 13:45

Tgt Ion: 85 Resp: 158492

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

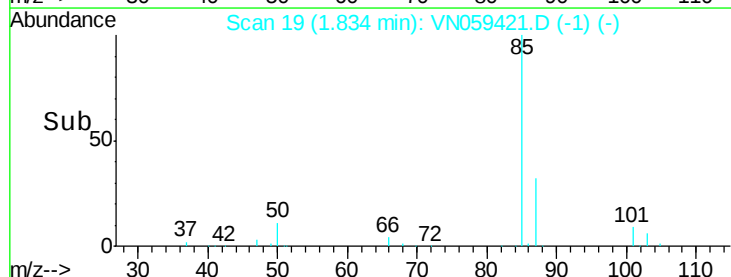
40000

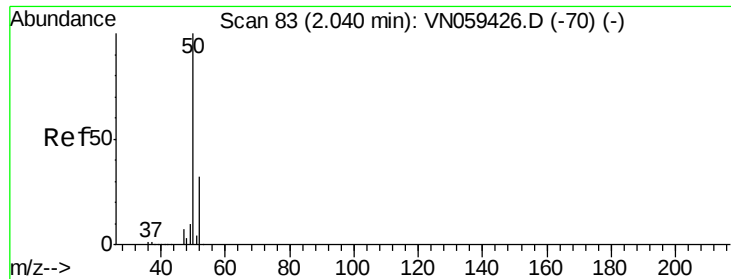
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 34.544 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 186873

Ion Ratio Lower Upper

50 100

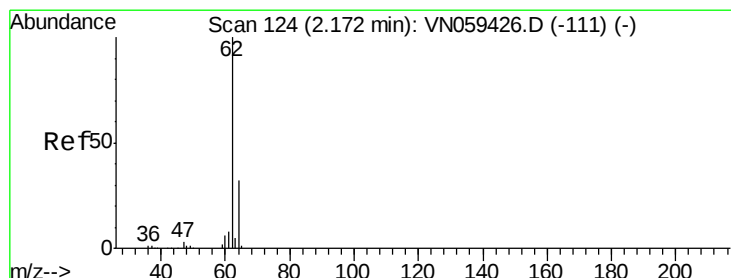
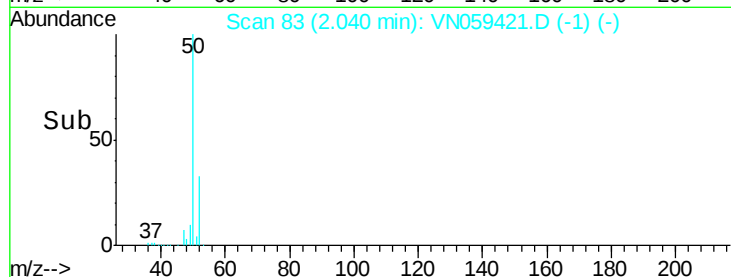
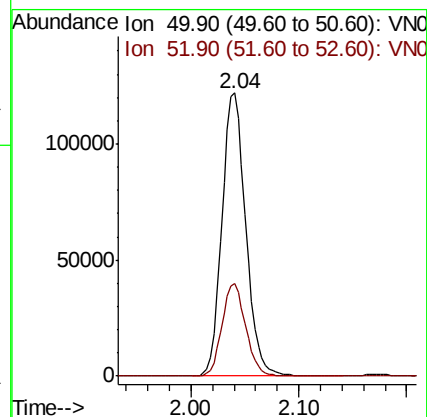
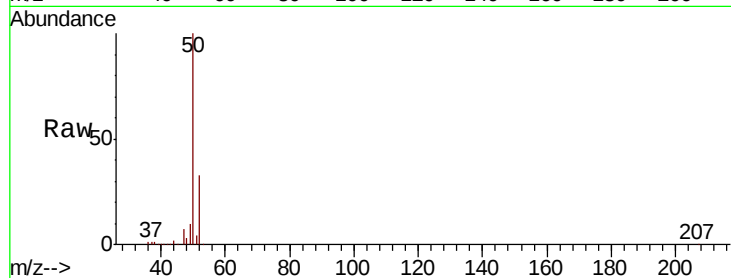
52 32.6 25.8 38.6

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



#4

Vinyl Chloride

Concen: 35.015 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059421.D

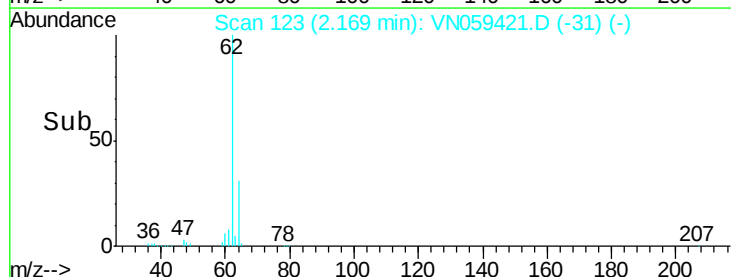
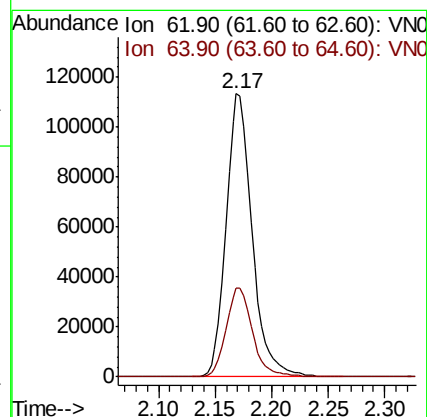
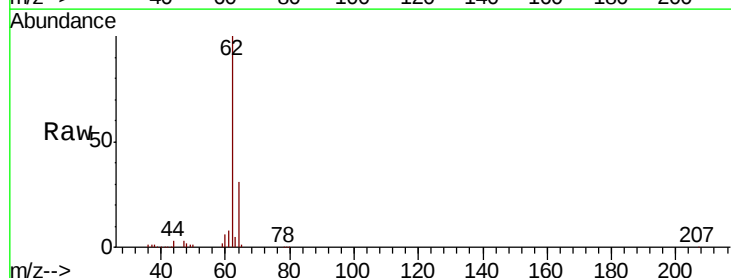
Acq: 27 Nov 2019 13:45

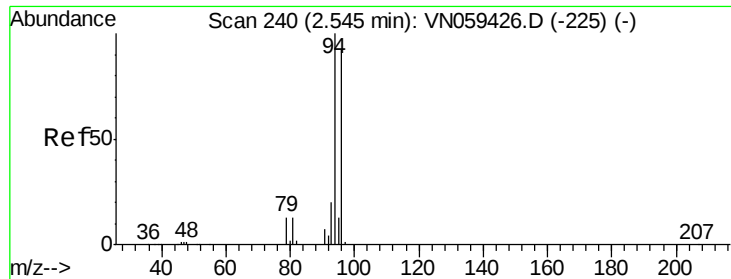
Tgt Ion: 62 Resp: 182024

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 33.518 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 104908

Ion Ratio Lower Upper

94 100

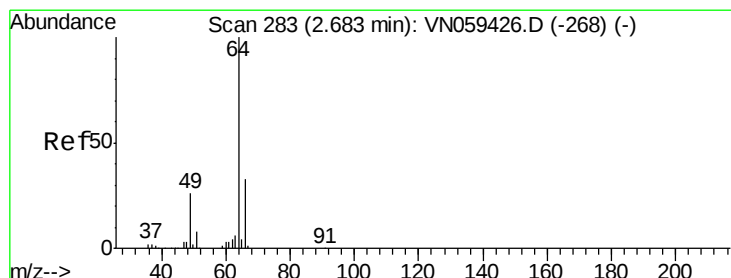
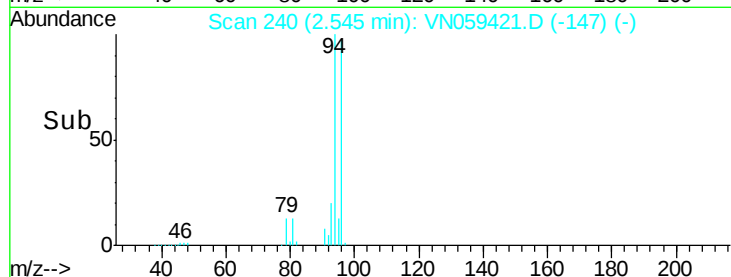
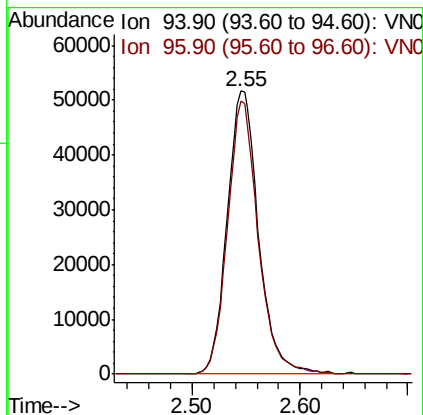
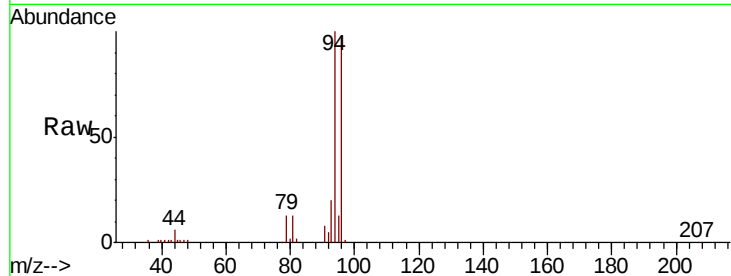
96 96.7 73.8 110.6

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



#6

Chloroethane

Concen: 34.879 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059421.D

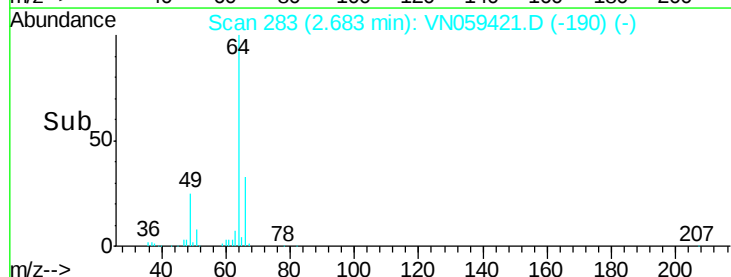
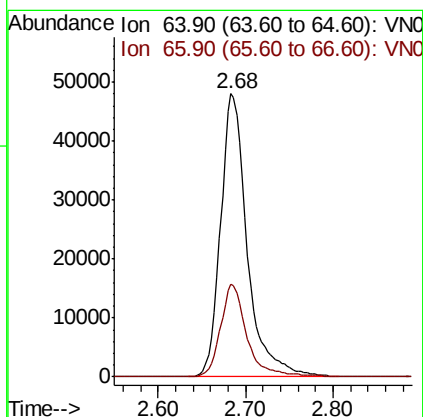
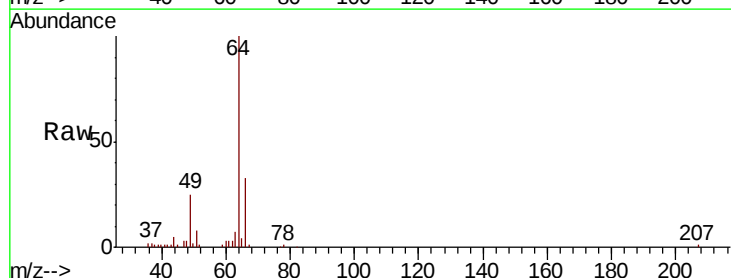
Acq: 27 Nov 2019 13:45

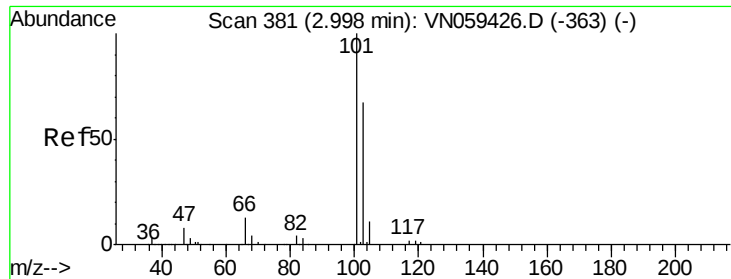
Tgt Ion: 64 Resp: 101660

Ion Ratio Lower Upper

64 100

66 32.7 26.5 39.7





#7

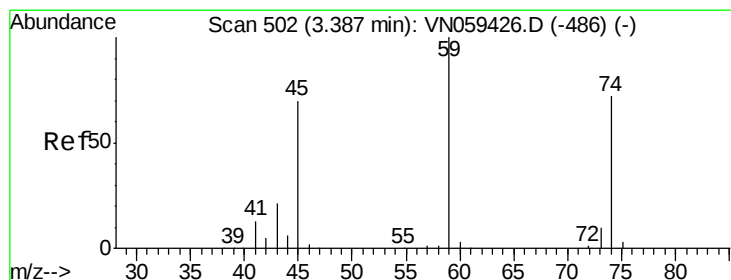
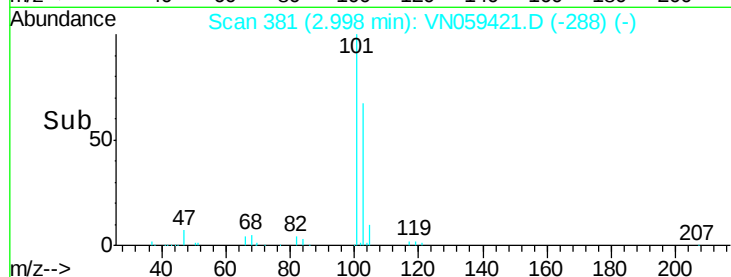
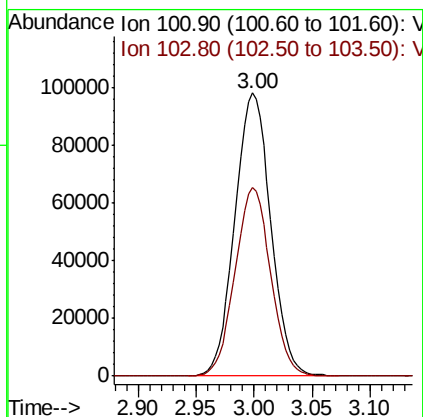
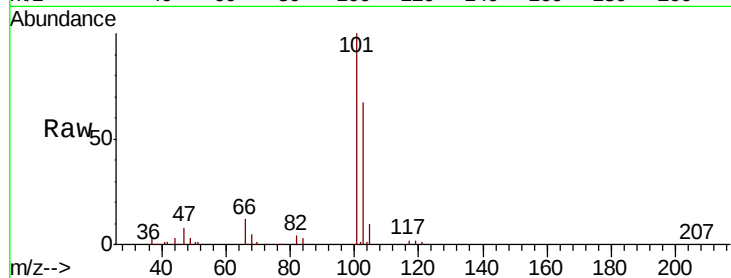
Trichlorofluoromethane
Concen: 34.152 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.6	80.4

Manual Integrations
APPROVED

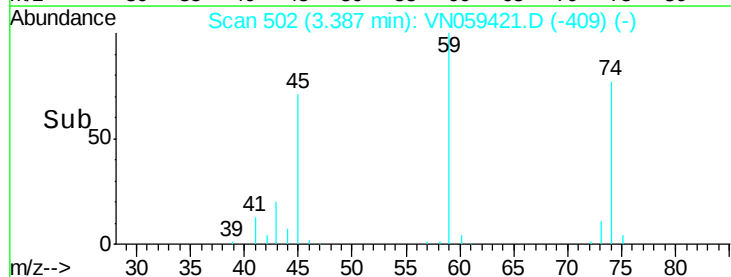
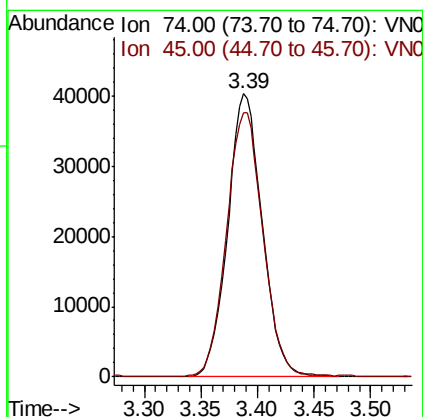
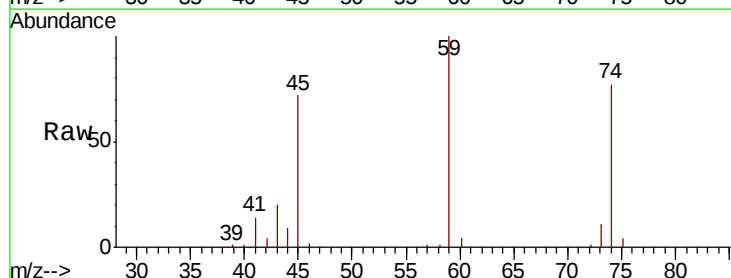
apatel
12/2/2019 10:08:53 AM

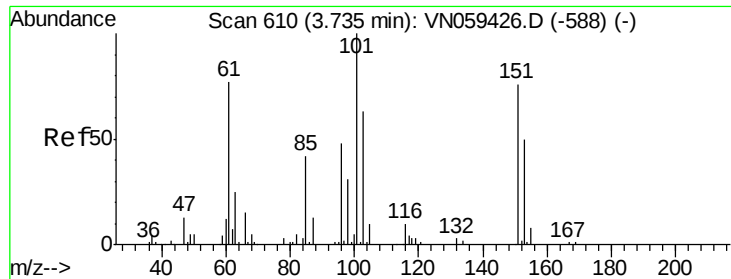


#8

Diethyl Ether
Concen: 33.929 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.847 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

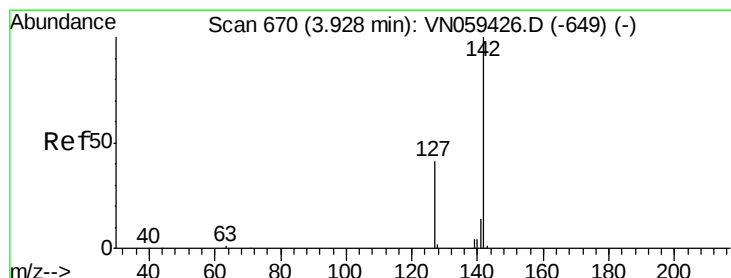
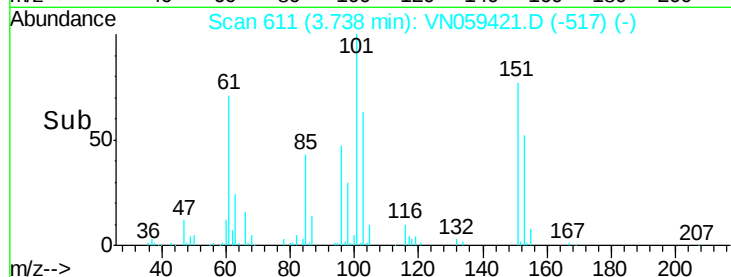
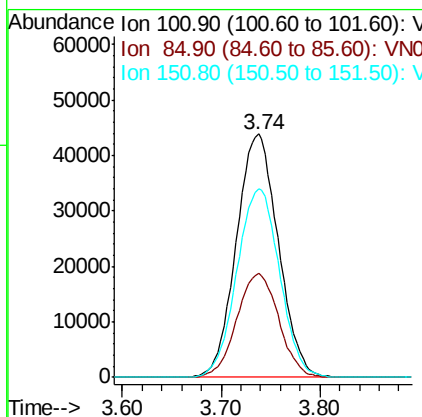
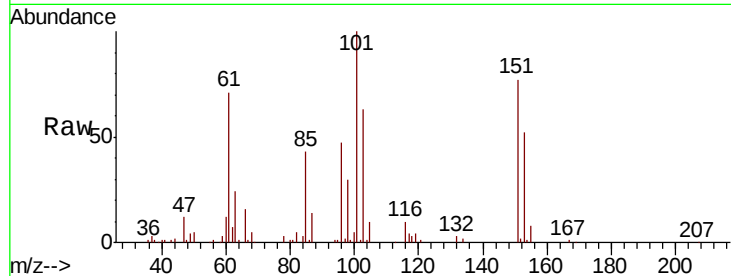
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	129075
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	79.0	62.6	93.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#10

Methyl Iodide

Concen: 34.472 ug/l

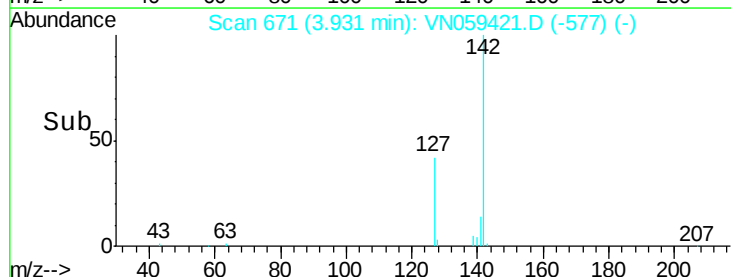
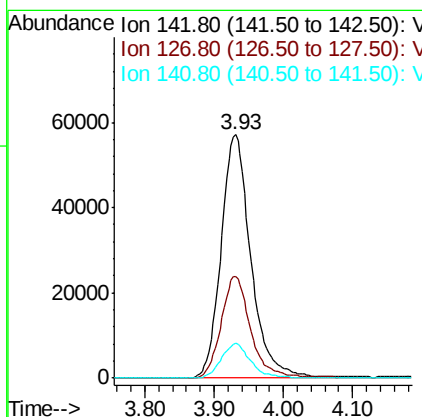
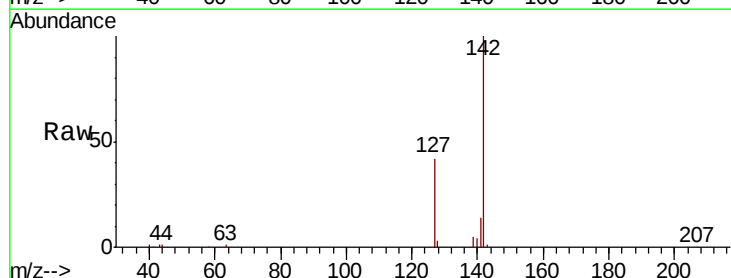
RT: 3.93 min Scan# 671

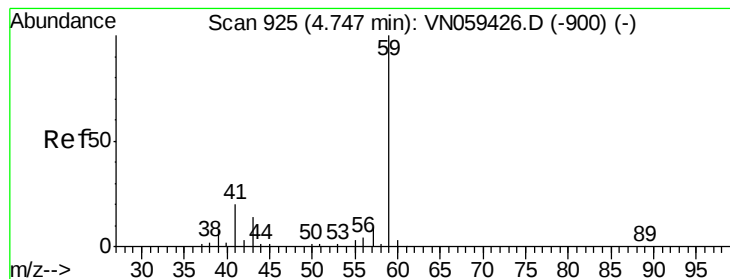
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	142	Resp:	171108
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.6	48.8
141	13.9	11.1	16.7





#11

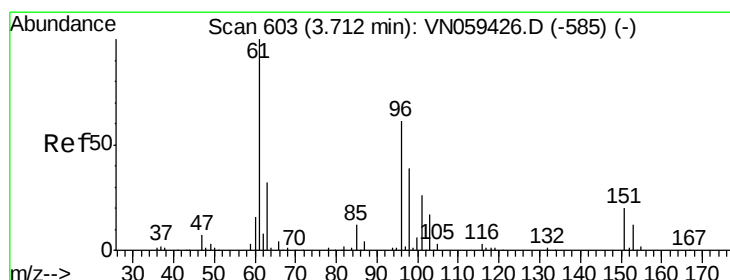
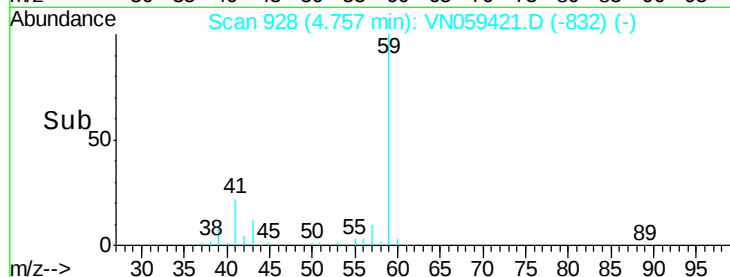
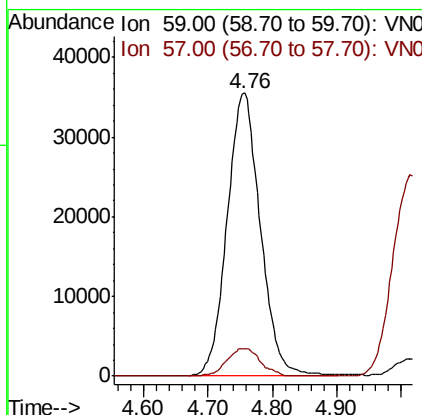
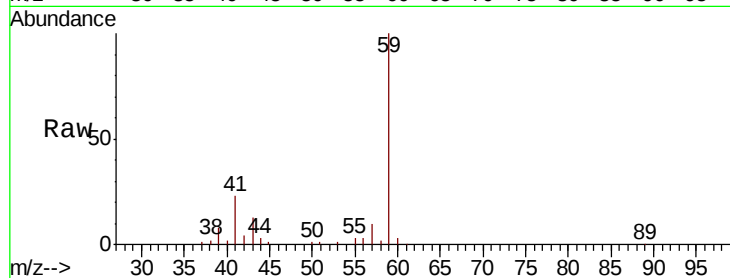
Tert butyl alcohol
Concen: 167.167 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	3.8	5.8#

Manual Integrations
APPROVED

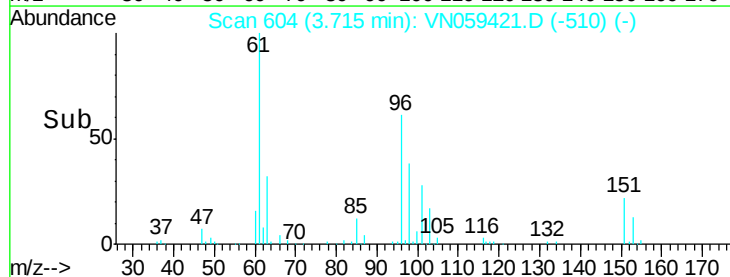
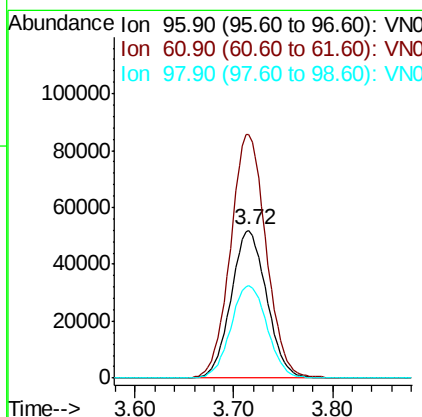
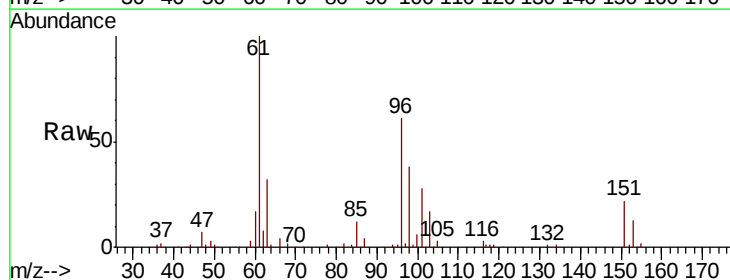
apatel
12/2/2019 10:08:53 AM

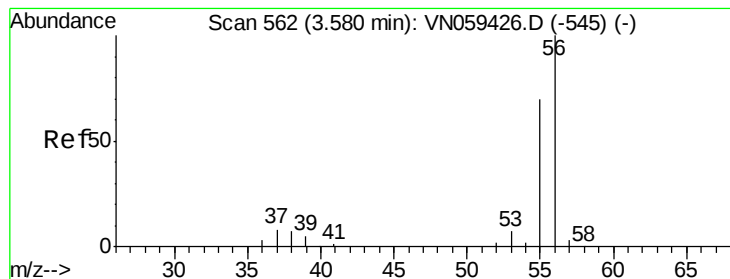


#12

1,1-Dichloroethene
Concen: 34.884 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.5	195.7
98	62.6	51.3	76.9





#13

Acrolein

Concen: 246.463 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 183706

Ion Ratio Lower Upper

56 100

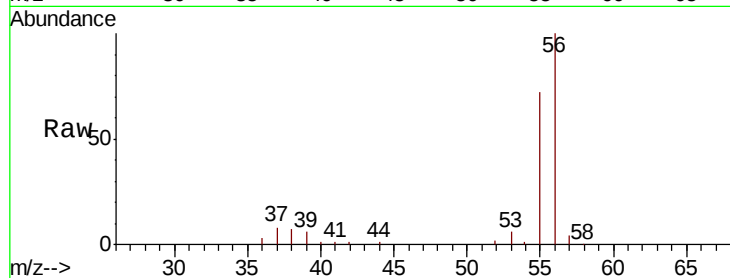
55 72.5 57.8 86.6

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

80000

60000

40000

20000

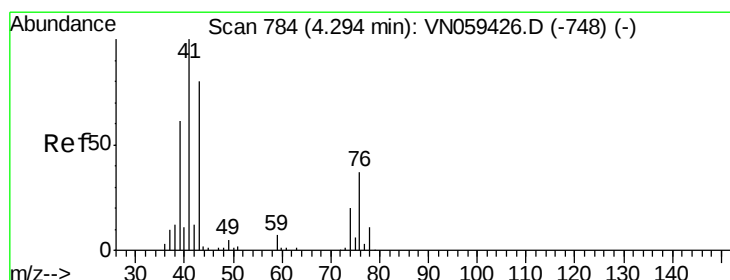
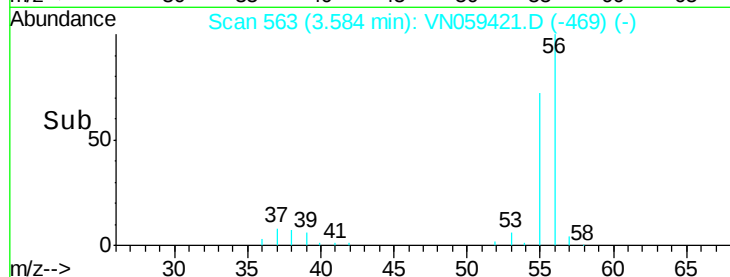
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 34.029 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

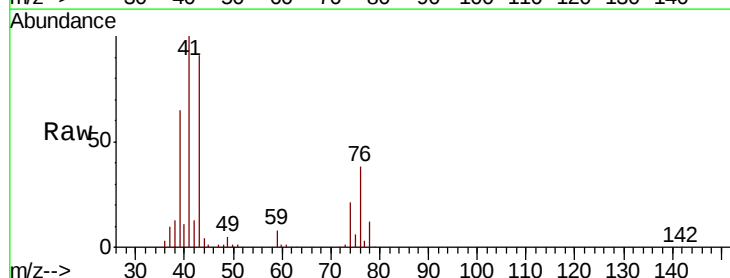
Tgt Ion: 41 Resp: 235705

Ion Ratio Lower Upper

41 100

39 59.6 46.5 69.7

76 33.3 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

40000

20000

0

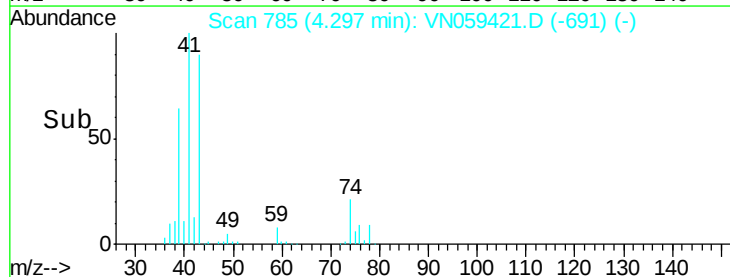
Time-->

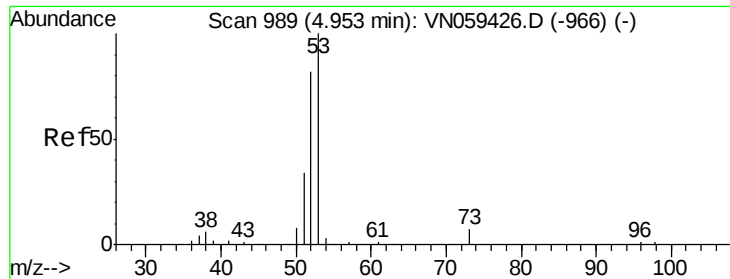
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 178.119 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

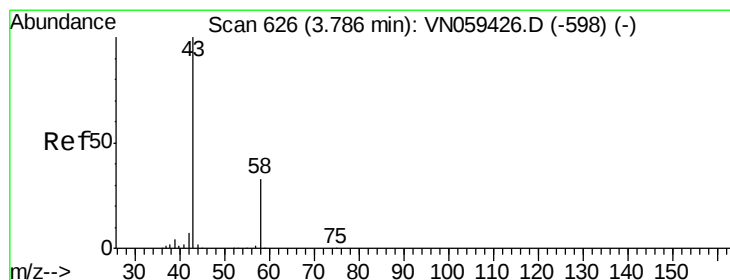
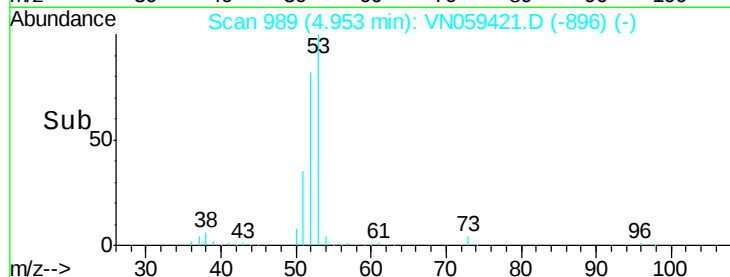
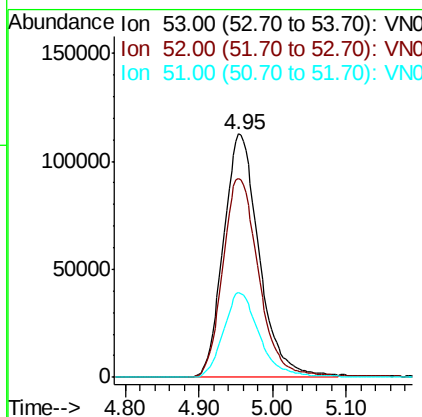
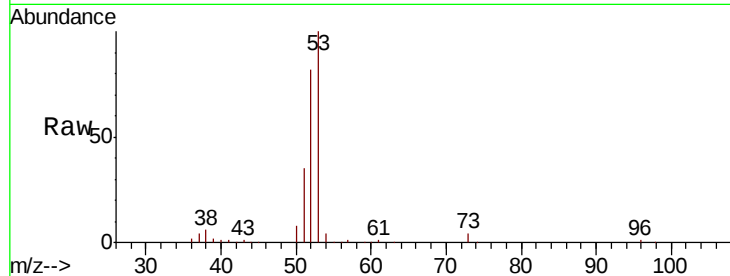
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	378981
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.1	97.7
51	35.2	27.8	41.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#16

Acetone

Concen: 170.337 ug/l

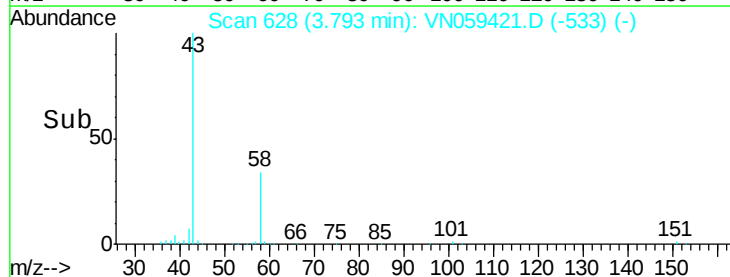
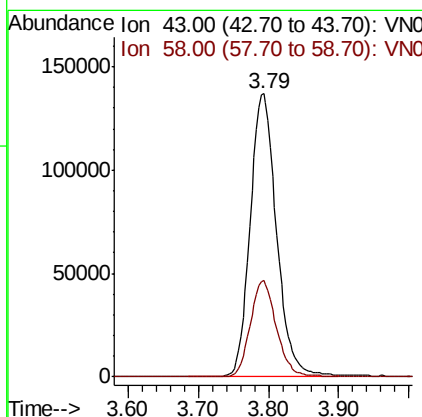
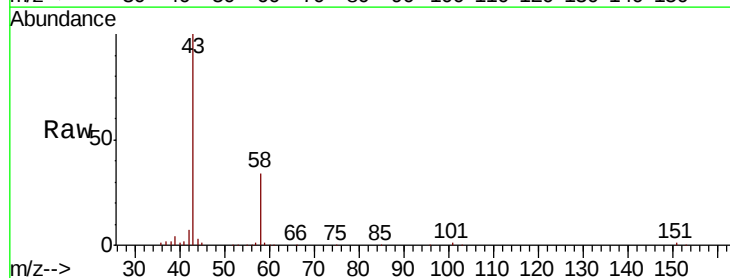
RT: 3.79 min Scan# 628

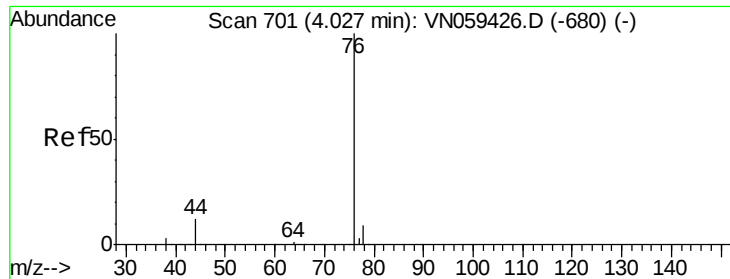
Delta R.T. 0.01 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	43	Resp:	357677
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.6	39.8





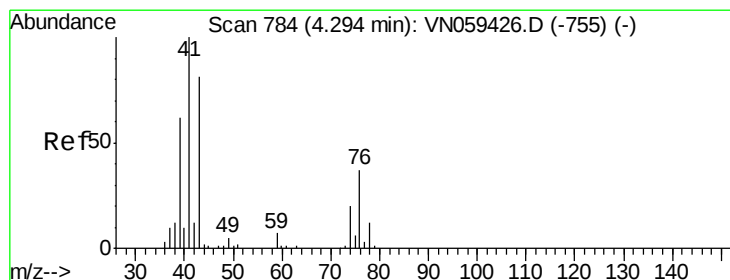
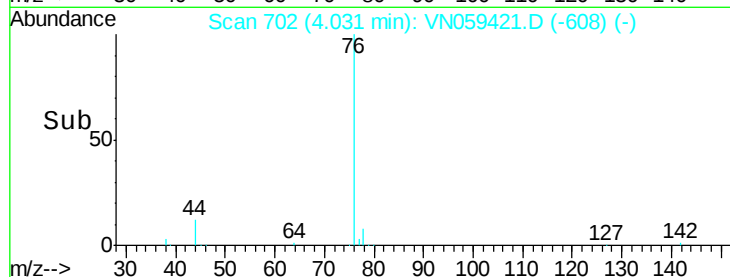
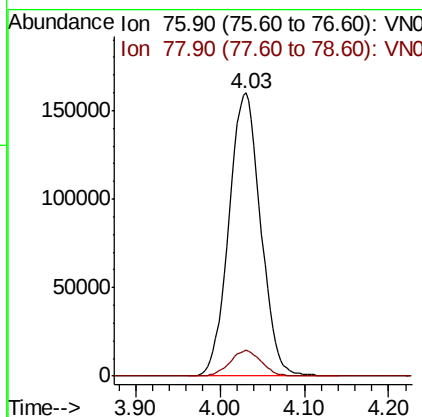
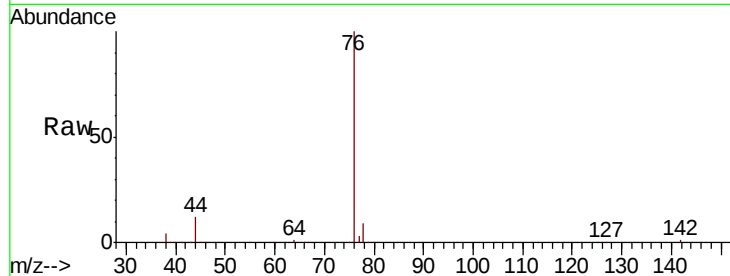
#17
Carbon Disulfide
Concen: 32.728 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

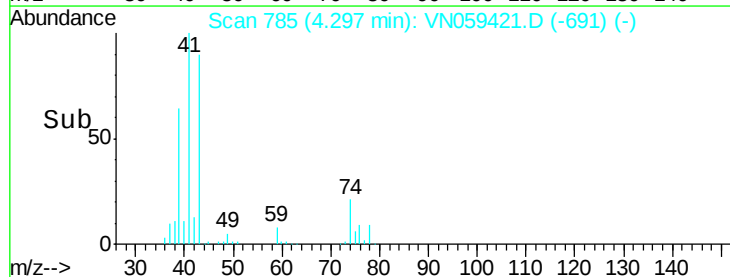
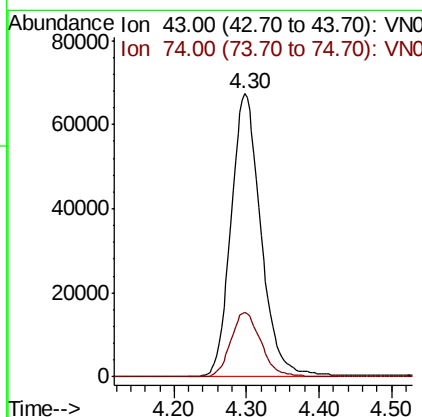
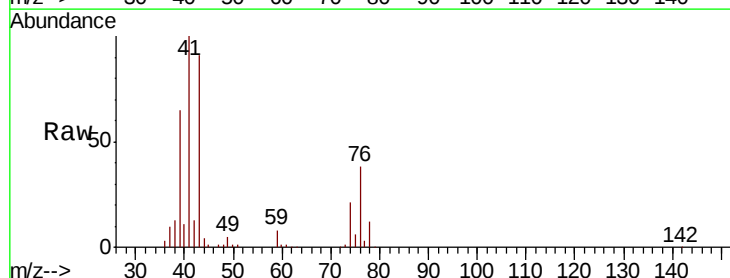
Manual Integrations
APPROVED

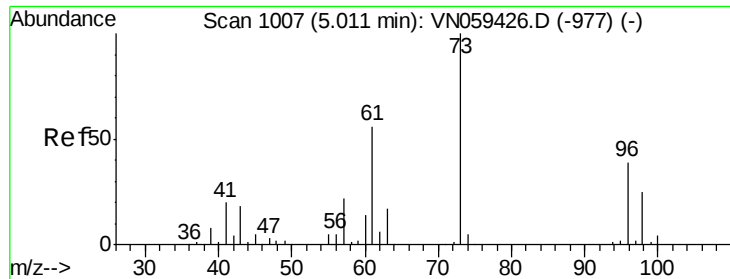
apatel
12/2/2019 10:08:53 AM



#18
Methyl Acetate
Concen: 33.963 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.6	28.0





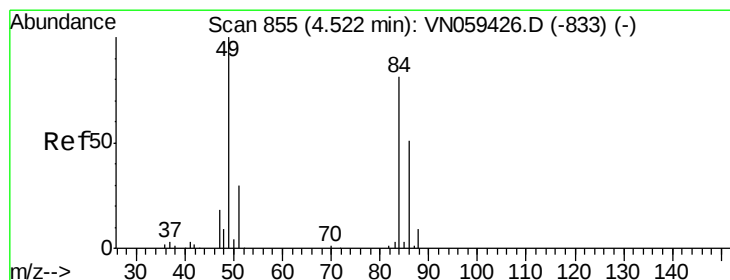
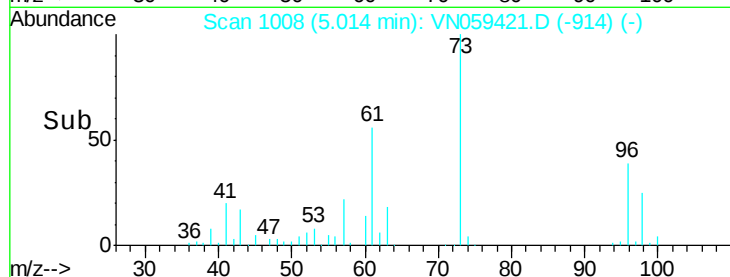
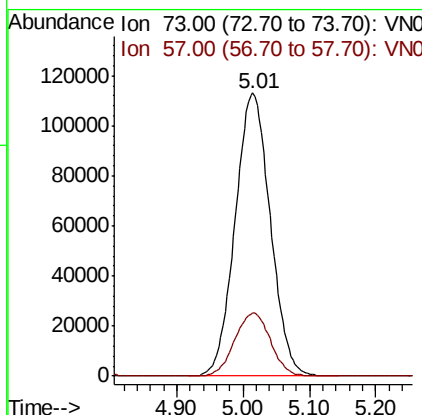
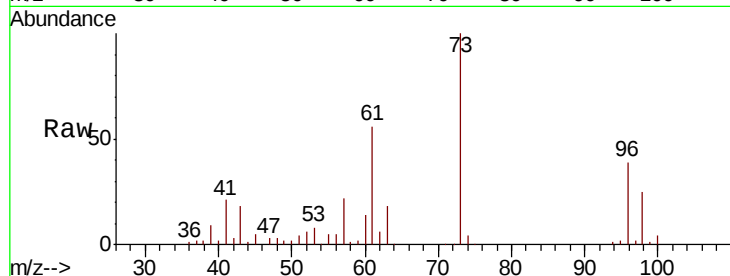
#19
Methvl tert-butvl Ether
Concen: 34.650 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 416999
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

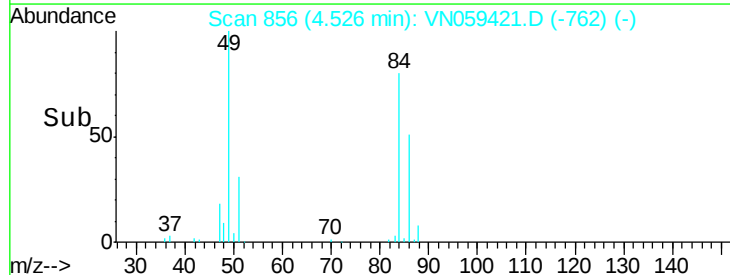
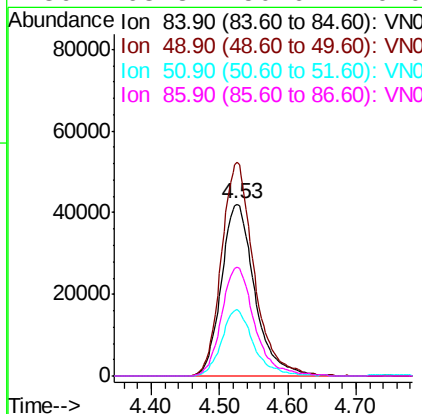
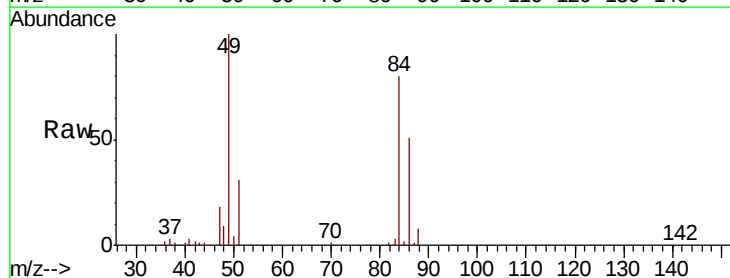
Manual Integrations
APPROVED

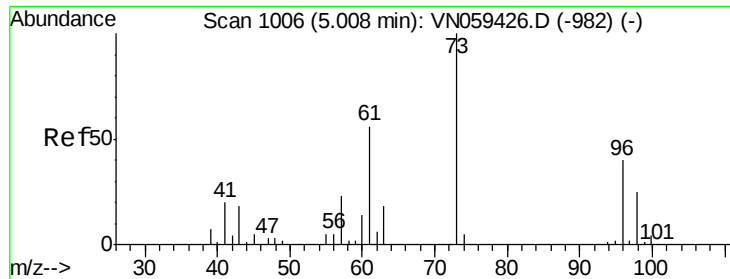
apatel
12/2/2019 10:08:53 AM



#20
Methylene Chloride
Concen: 33.547 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion: 84 Resp: 143133
Ion Ratio Lower Upper
84 100
49 124.5 98.6 148.0
51 38.5 29.4 44.0
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 34.429 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

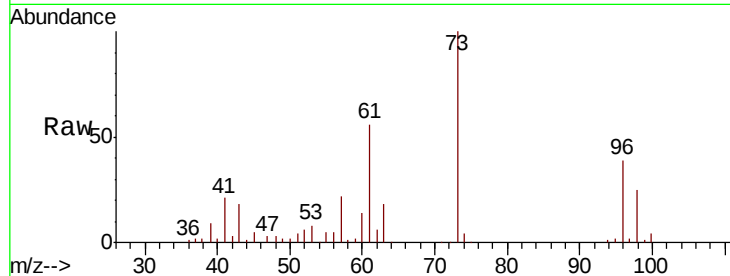
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	140090
Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.0	171.0
98	62.4	50.5	75.7

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM

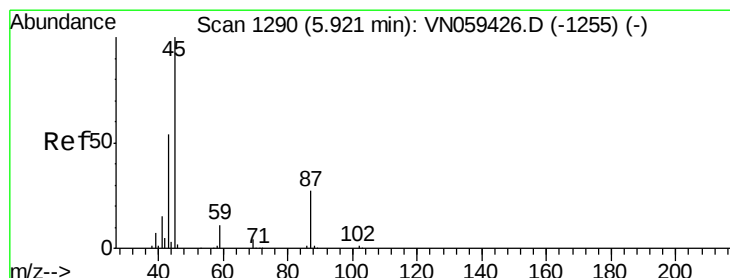
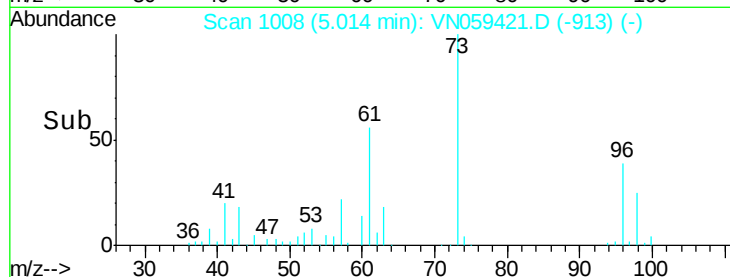
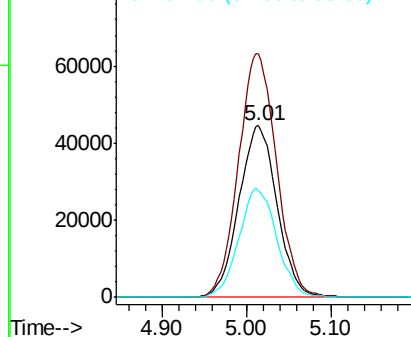


Abundance

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: 34.665 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	45	Resp:	446191
Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.3	69.5
87	27.3	21.8	32.6
59	11.6	9.0	13.4

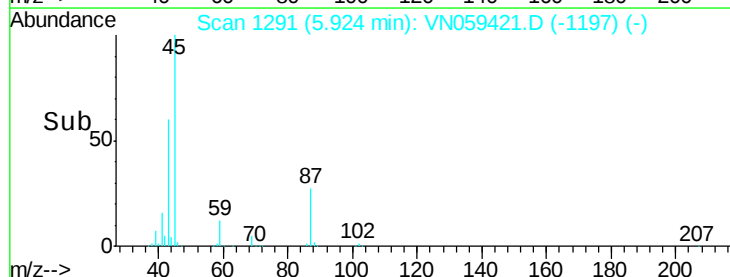
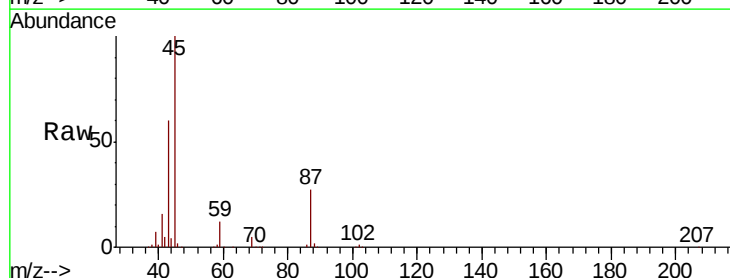
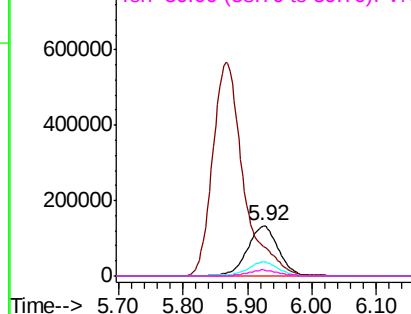
Abundance

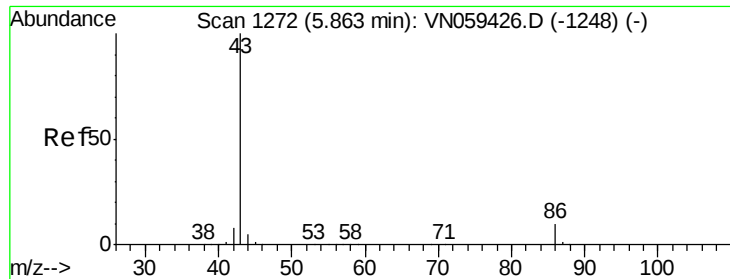
Ion 45.00 (44.70 to 45.70): VN0

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





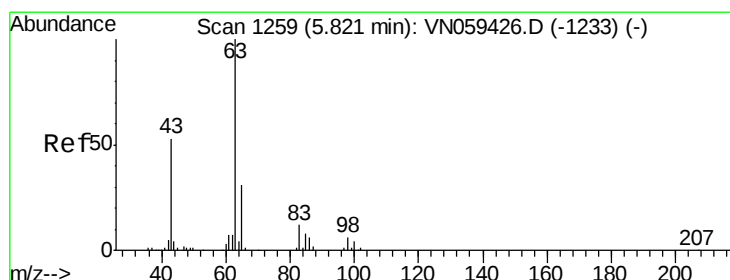
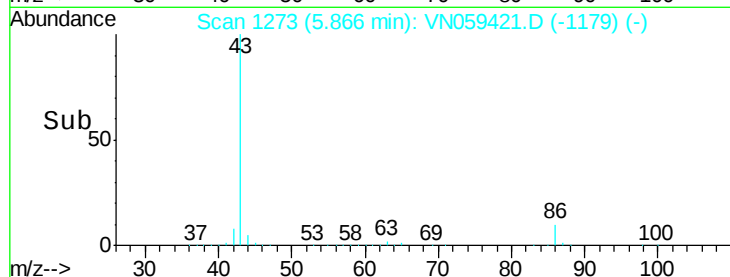
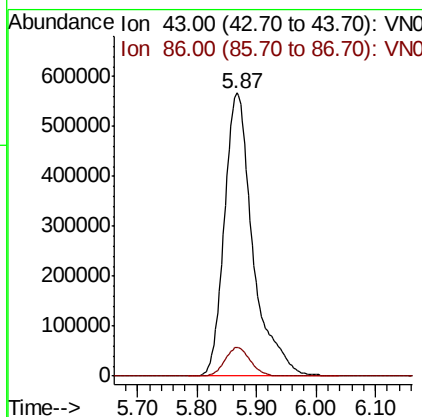
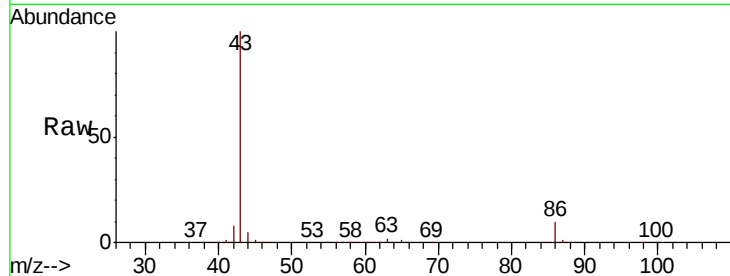
#23
 Vinyl Acetate
 Concen: 181.548 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1885262
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.4

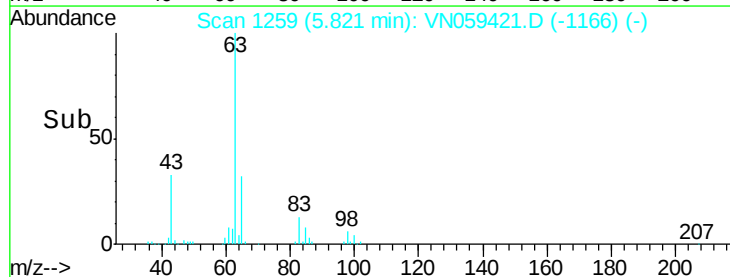
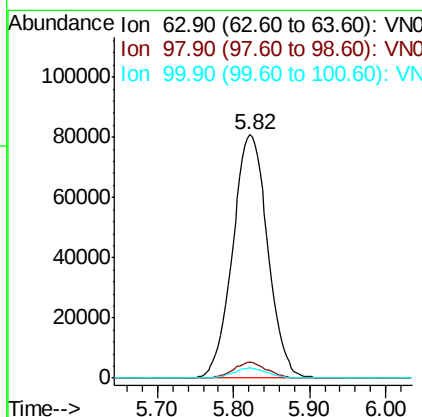
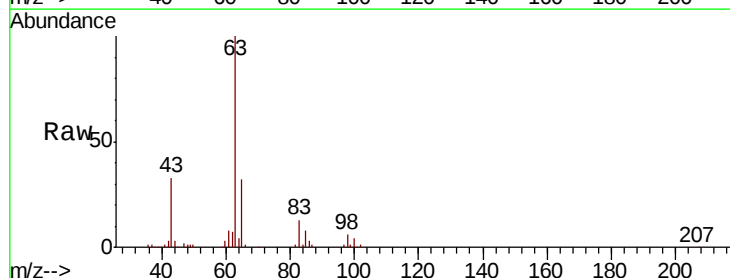
Manual Integrations
 APPROVED

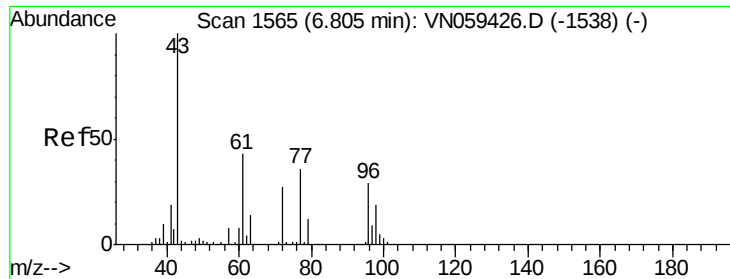
apatel
 12/2/2019 10:08:53 AM



#24
 1,1-Dichloroethane
 Concen: 34.911 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion: 63 Resp: 258545
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 178.425 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 515418

Ion Ratio Lower Upper

43 100

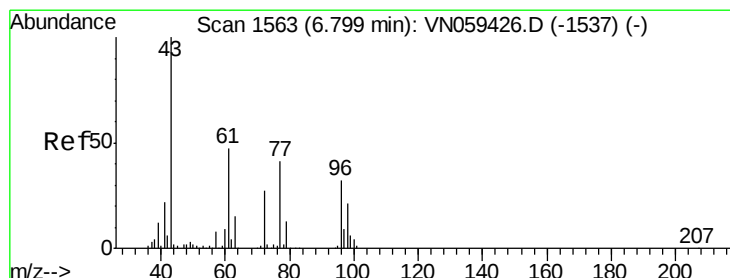
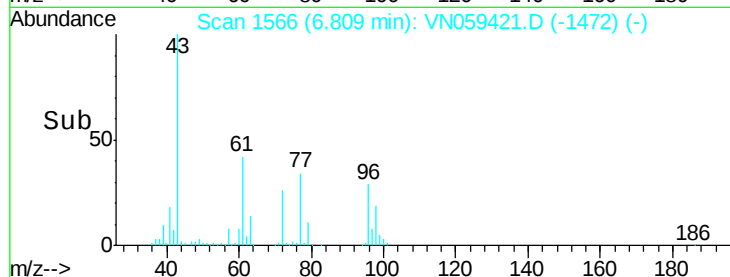
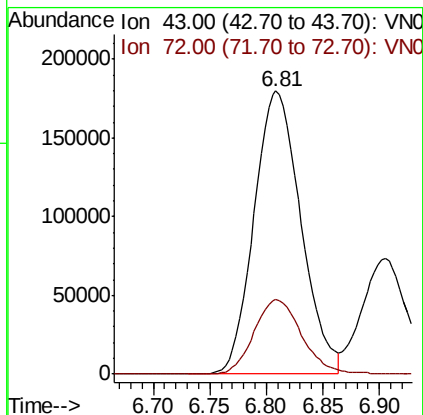
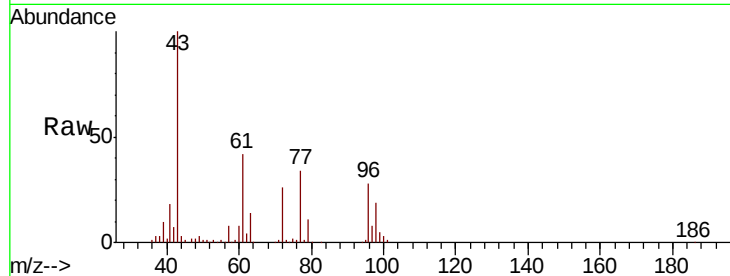
72 26.2 21.4 32.2

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



#26

2,2-Dichloropropane

Concen: 34.135 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059421.D

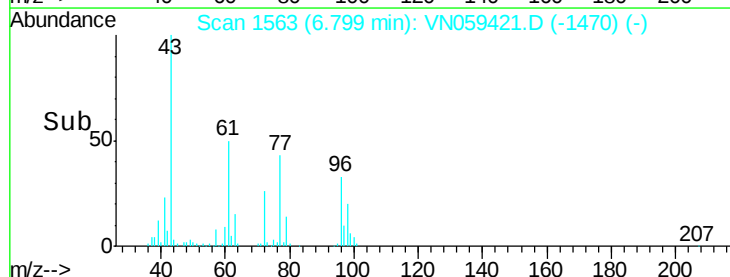
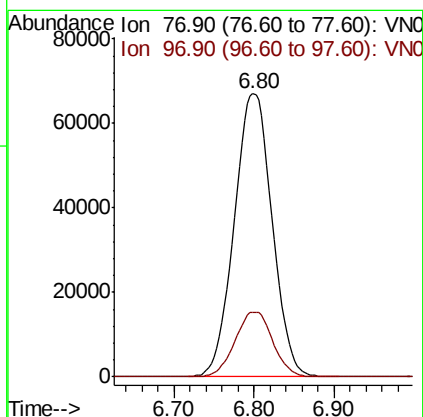
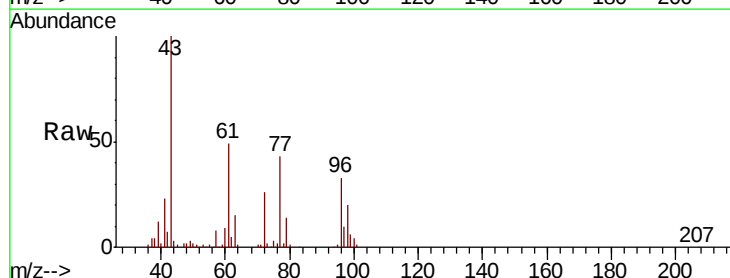
Acq: 27 Nov 2019 13:45

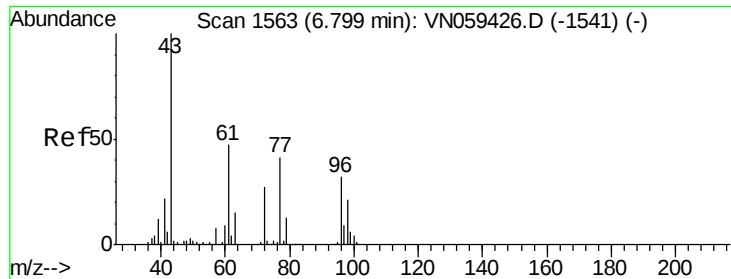
Tgt Ion: 77 Resp: 215136

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 34.332 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

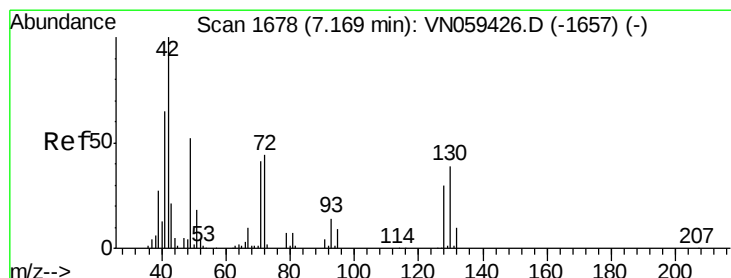
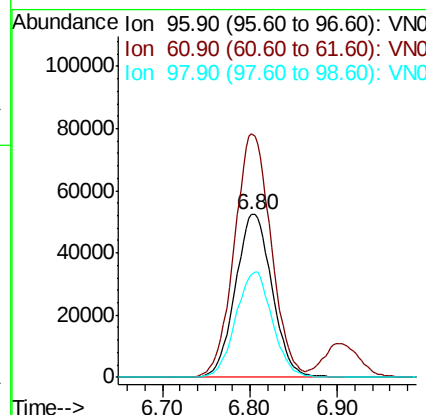
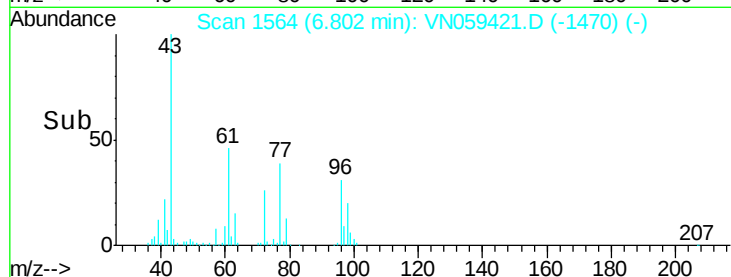
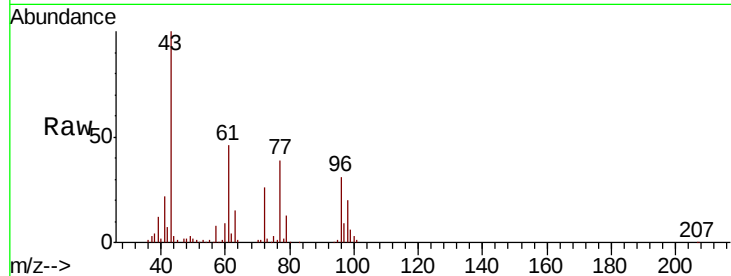
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	152784
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	297.6
98	64.1	0.0	130.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#28

Bromochloromethane

Concen: 41.433 ug/l

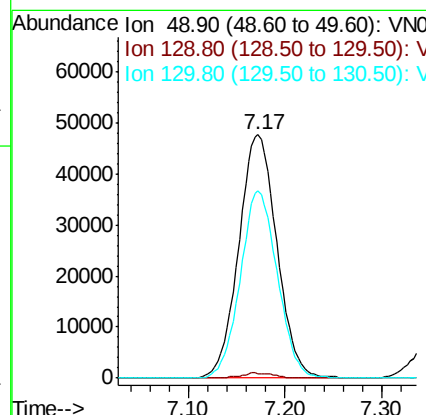
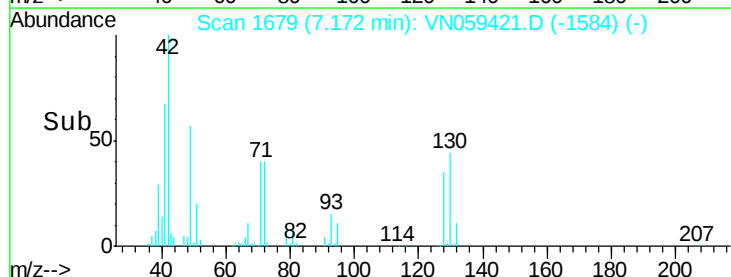
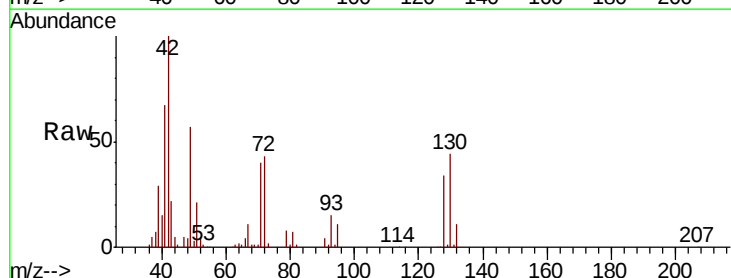
RT: 7.17 min Scan# 1679

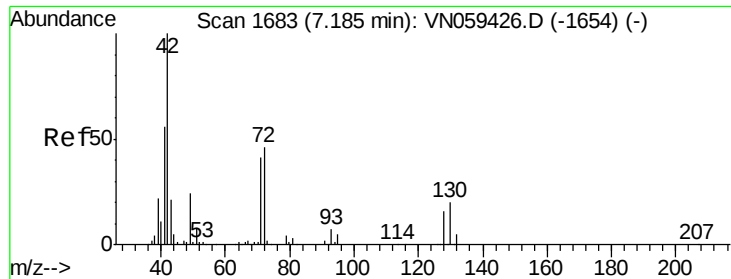
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	49	Resp:	130574
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	74.8	60.5	90.7





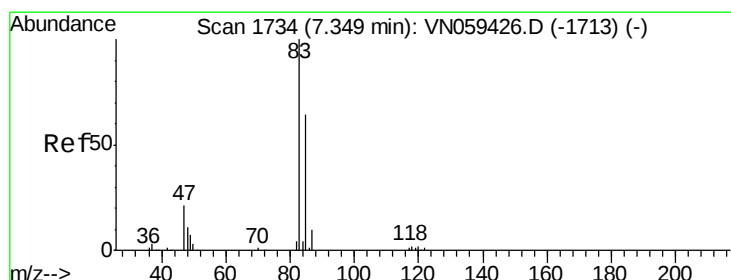
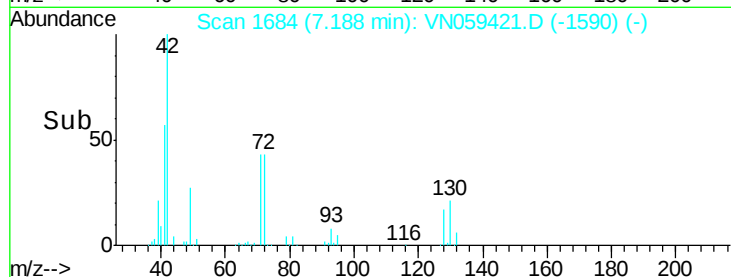
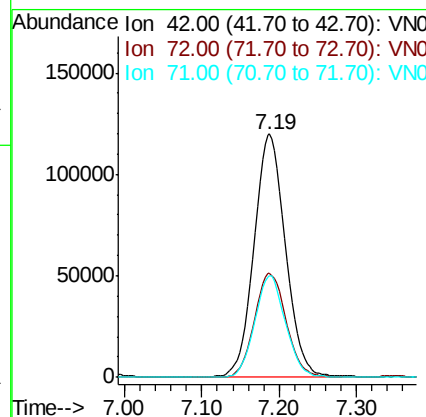
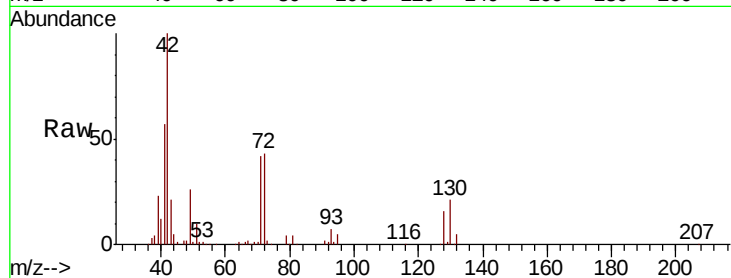
#29
Tetrahydrofuran
Concen: 178.036 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	51.8
71	41.0	33.0	49.6

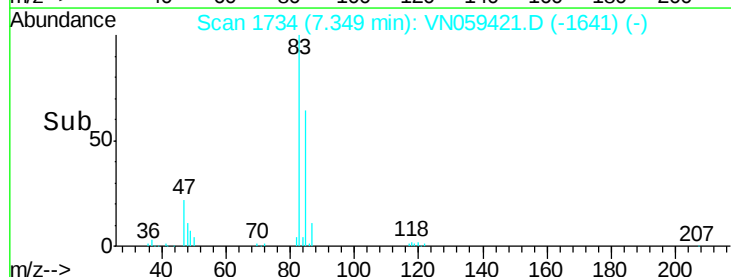
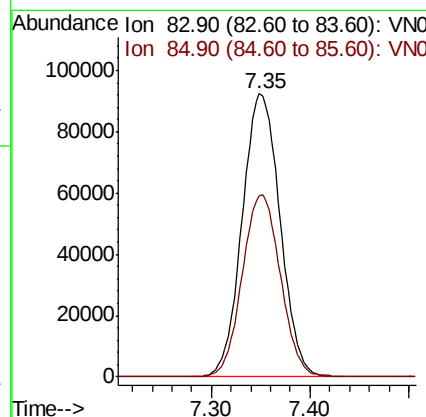
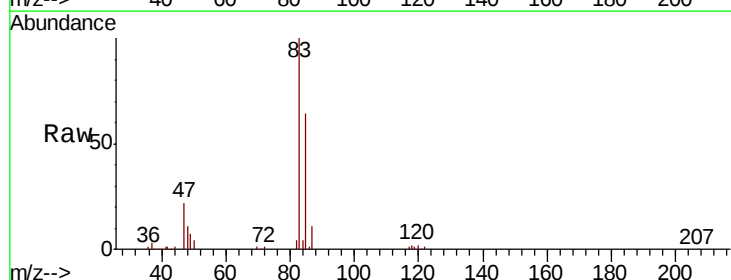
Manual Integrations
APPROVED

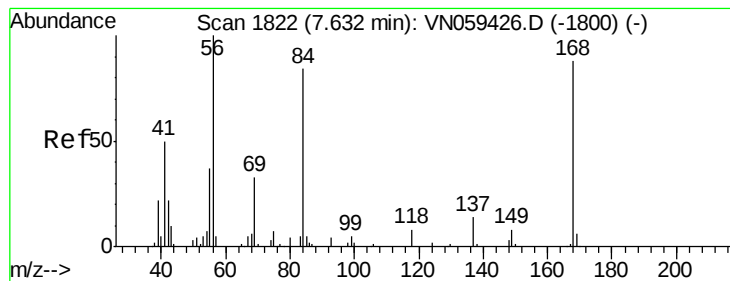
apatel
12/2/2019 10:08:53 AM



#30
Chloroform
Concen: 32.977 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4





#31

Cyclohexane

Concen: 32.977 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 244833

Ion Ratio Lower Upper

56 100

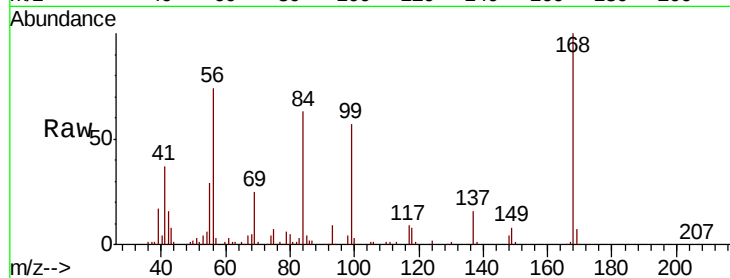
69 33.6 26.4 39.6

84 84.6 67.0 100.6

Manual Integrations
APPROVED

apatel

12/2/2019 10:08:53 AM

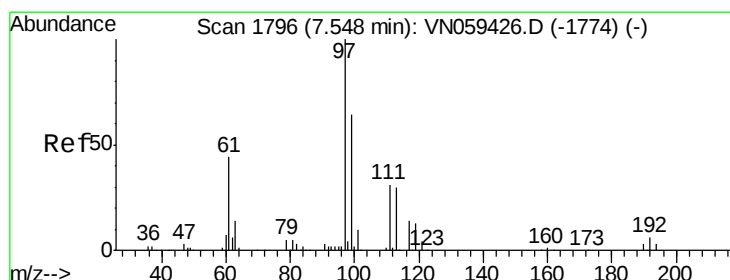
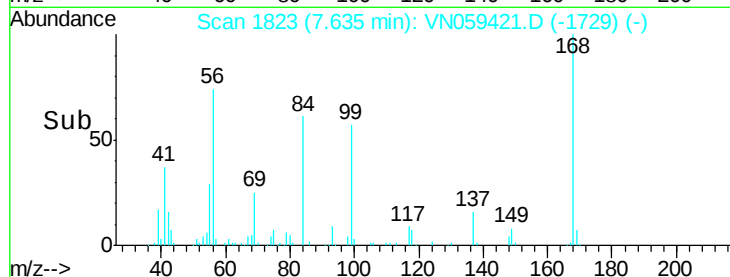
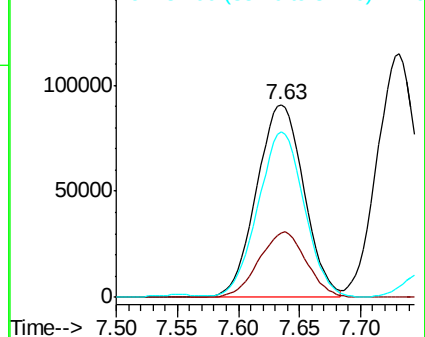


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 34.444 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

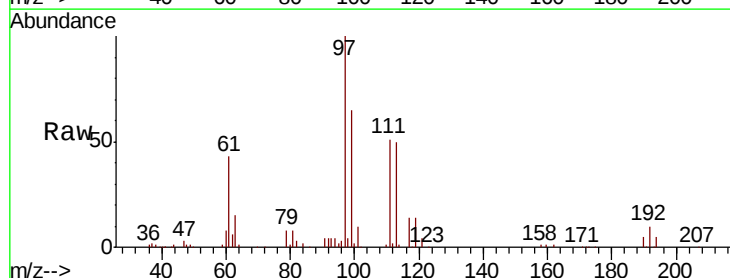
Tgt Ion: 97 Resp: 209916

Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 42.9 34.3 51.5

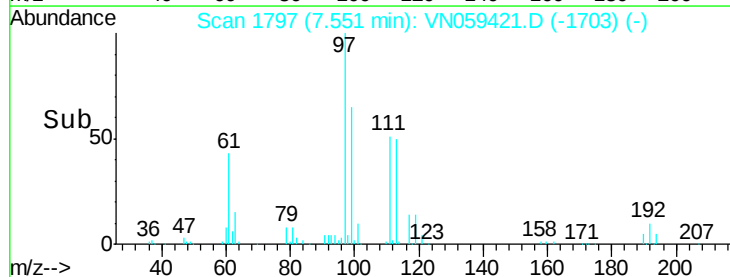
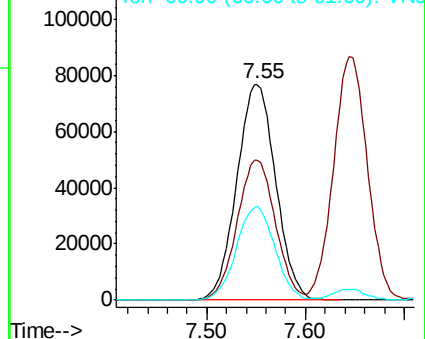


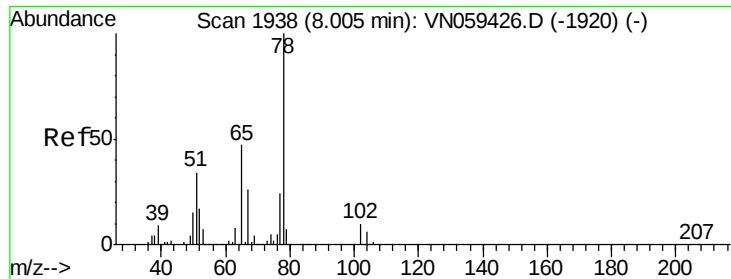
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





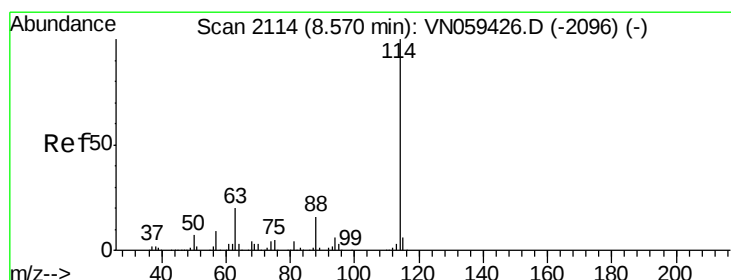
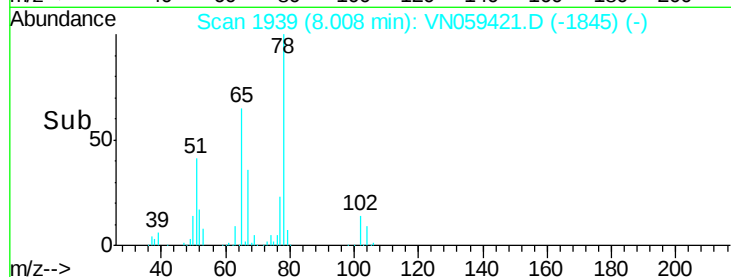
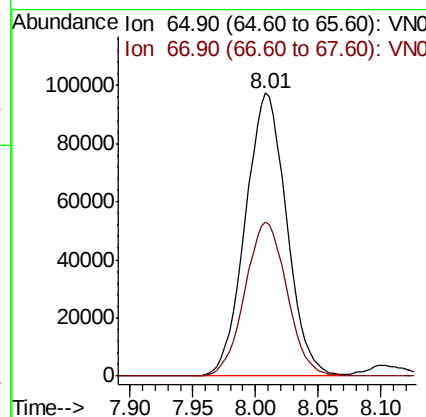
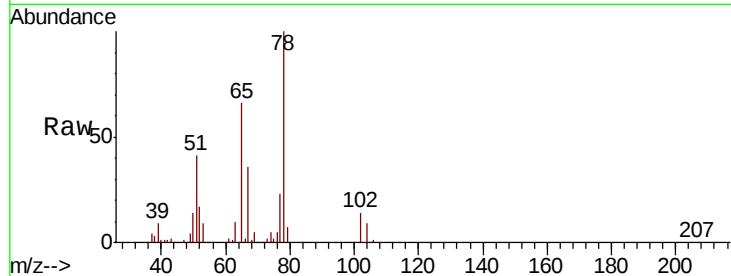
#33
 1,2-Dichloroethane-d4
 Concen: 50.570 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222898		
67	55.5	0.0	111.2	

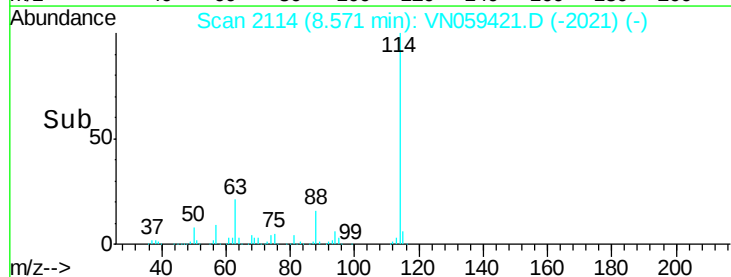
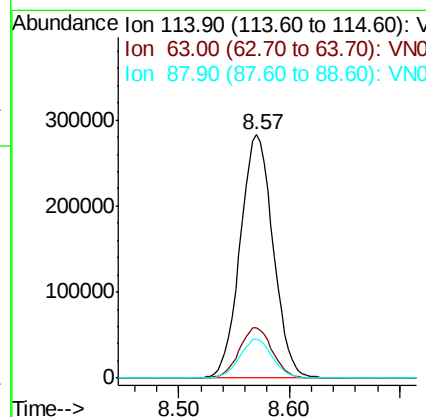
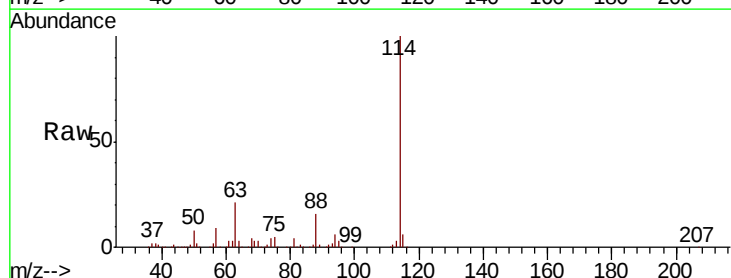
Manual Integrations
 APPROVED

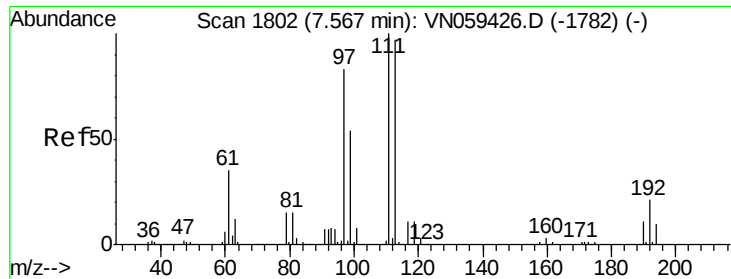
apatel
 12/2/2019 10:08:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	585626		
63	20.6	0.0	40.4	
88	16.1	0.0	32.2	





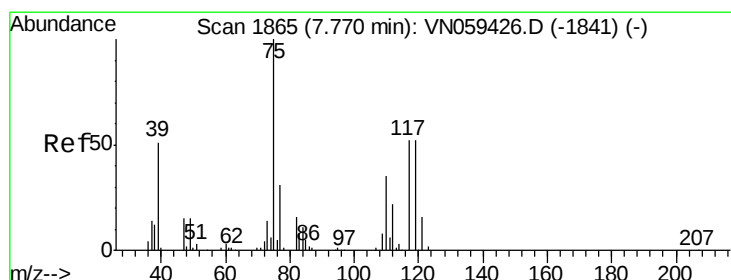
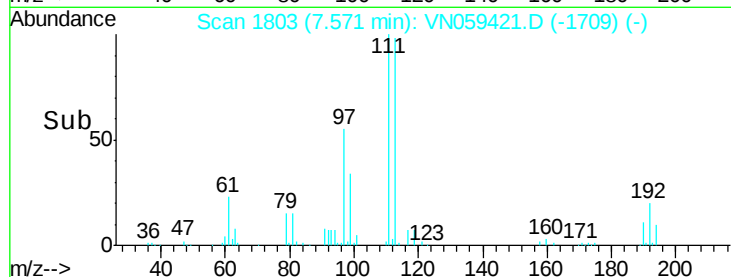
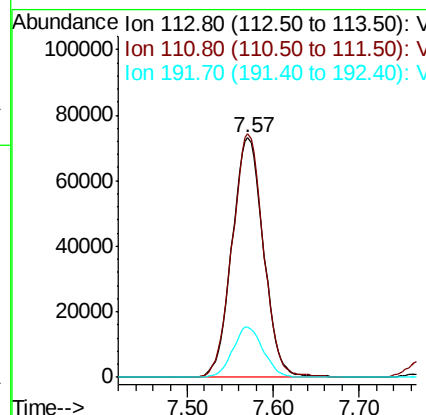
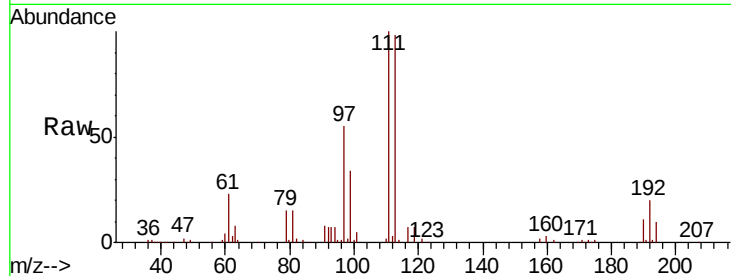
#35
Dibromofluoromethane
Concen: 52.026 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185586		
111	100.9	81.9	122.9	
192	20.4	16.6	24.8	

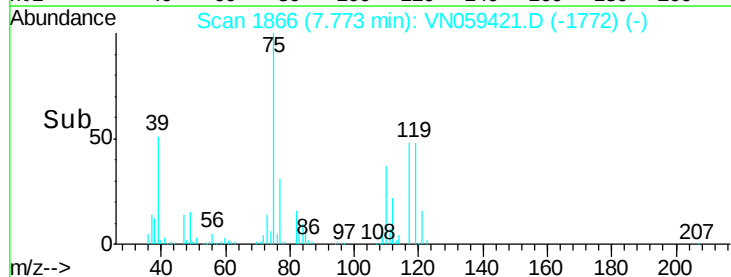
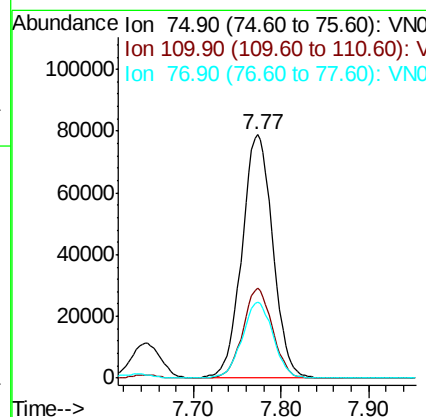
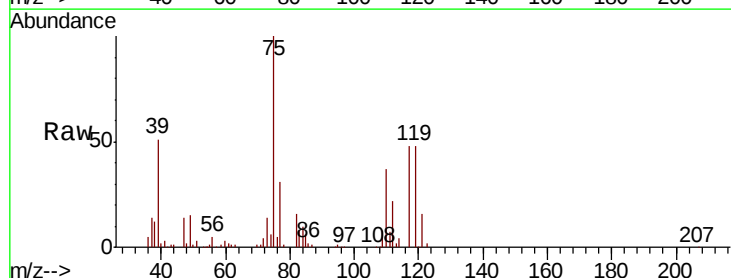
Manual Integrations
APPROVED

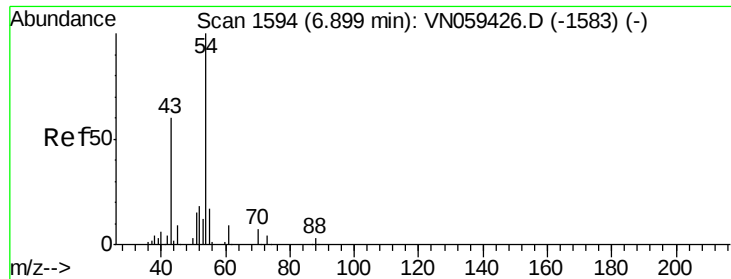
apatel
12/2/2019 10:08:53 AM



#36
1,1-Dichloropropene
Concen: 34.292 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193118		
110	35.5	17.3	52.0	
77	31.3	24.9	37.3	





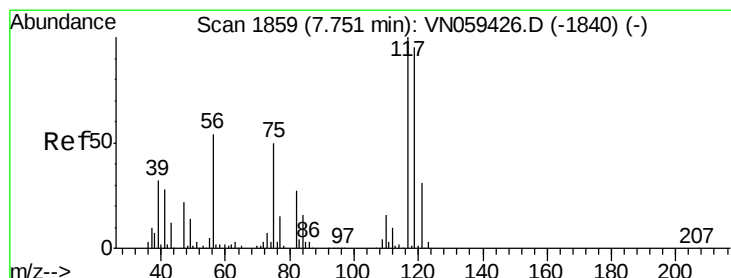
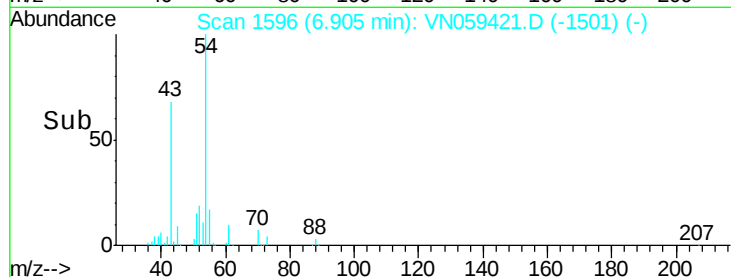
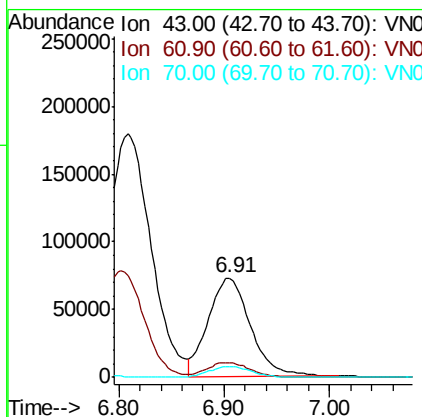
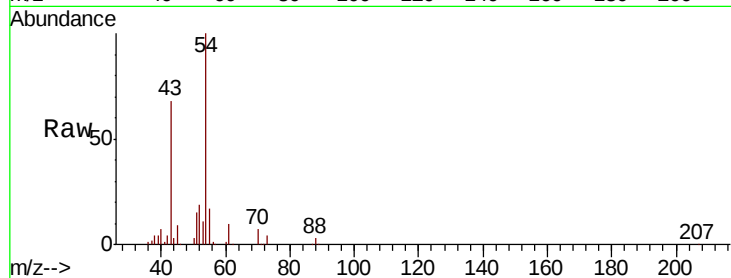
#37
Ethyl Acetate
Concen: 34.222 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.2
70	11.0	8.8	13.2

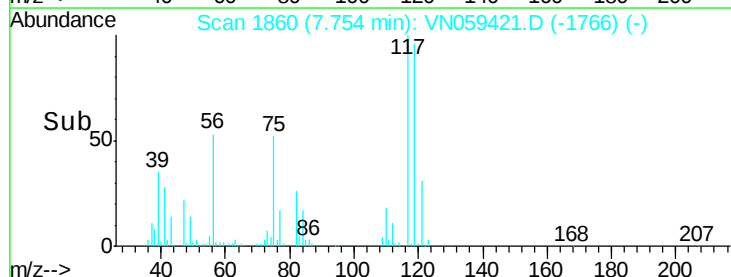
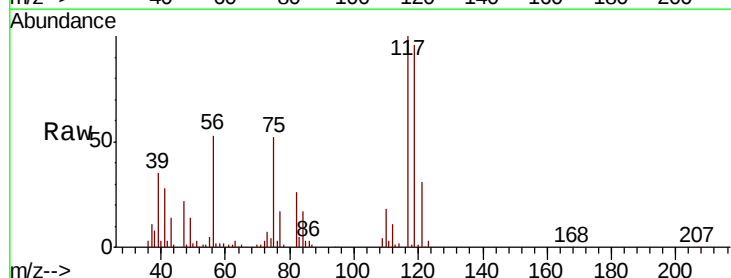
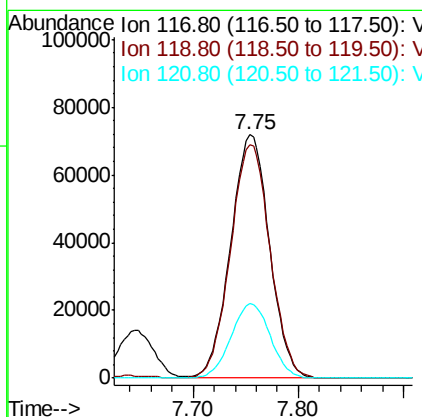
Manual Integrations
APPROVED

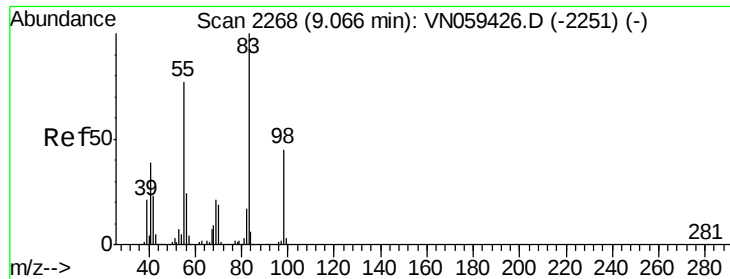
apatel
12/2/2019 10:08:53 AM



#38
Carbon Tetrachloride
Concen: 34.646 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.9	113.9
121	30.7	24.6	36.8





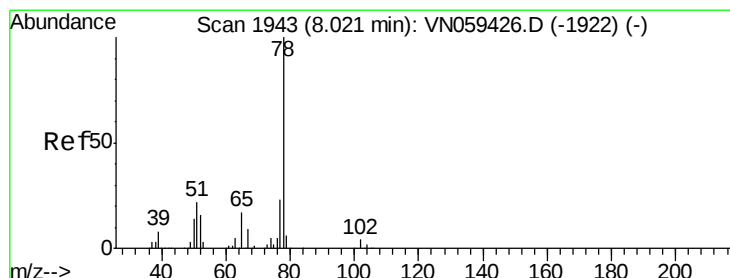
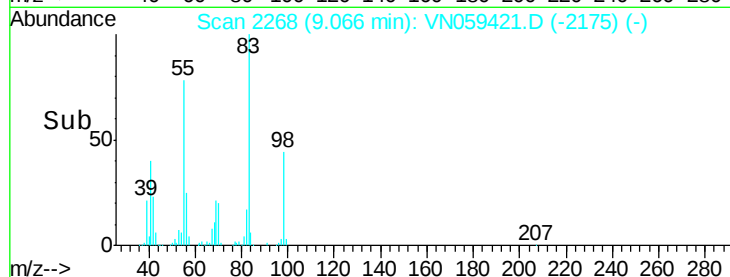
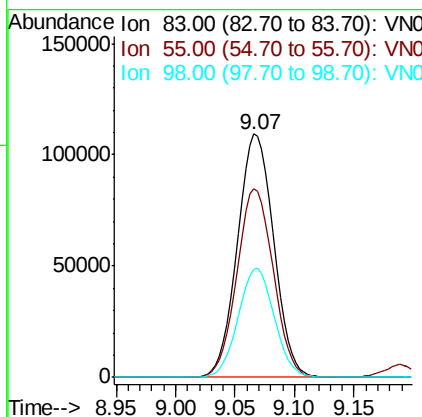
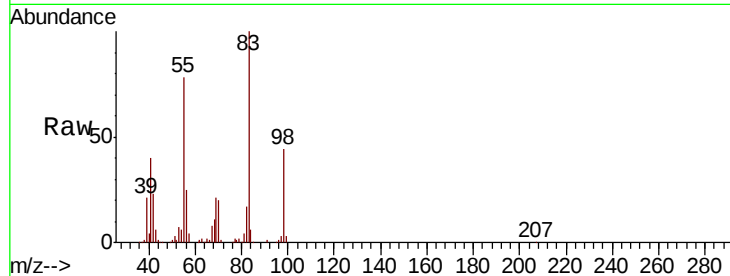
#39
Methvlcvclohexane
Concen: 34.408 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.6	92.4
98	44.5	35.7	53.5

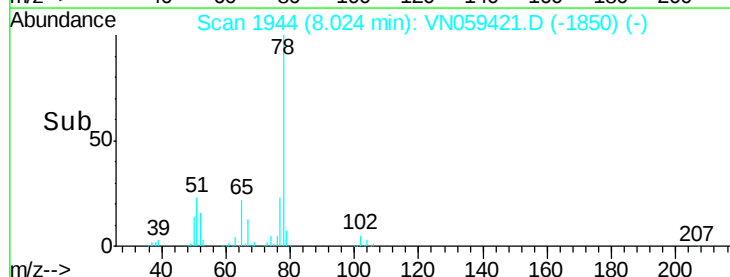
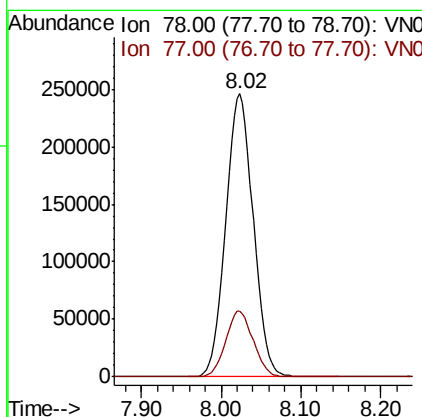
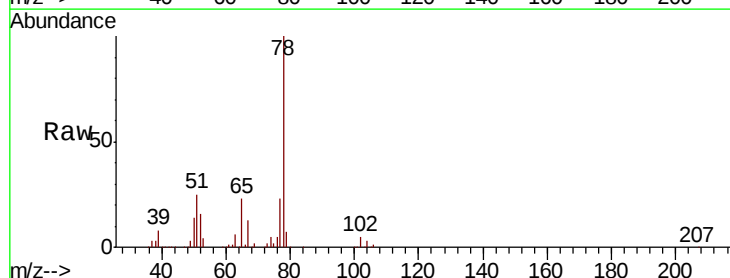
Manual Integrations
APPROVED

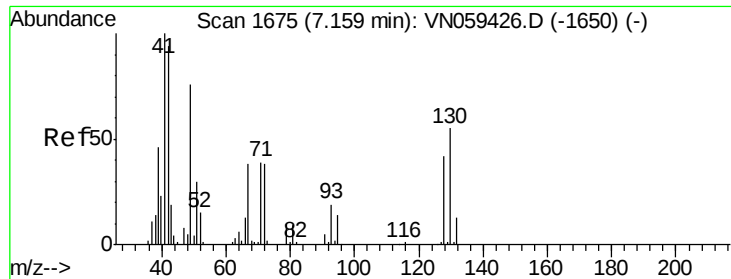
apatel
12/2/2019 10:08:53 AM



#40
Benzene
Concen: 34.395 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





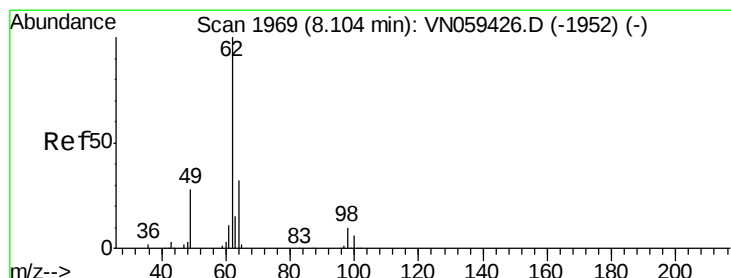
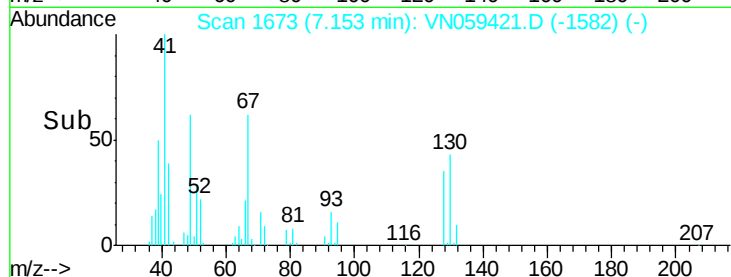
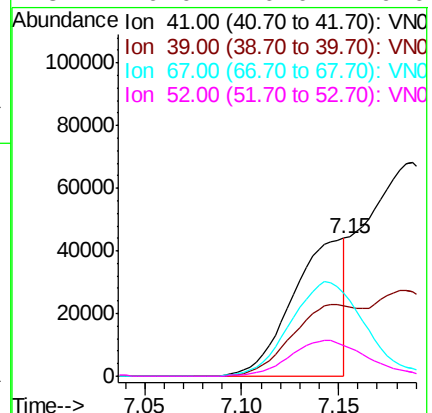
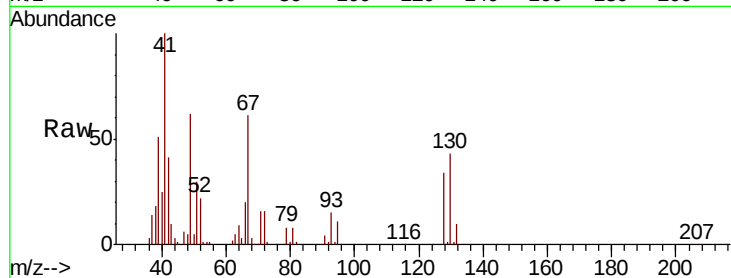
#41
Methacrylonitrile
Concen: 29.456 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

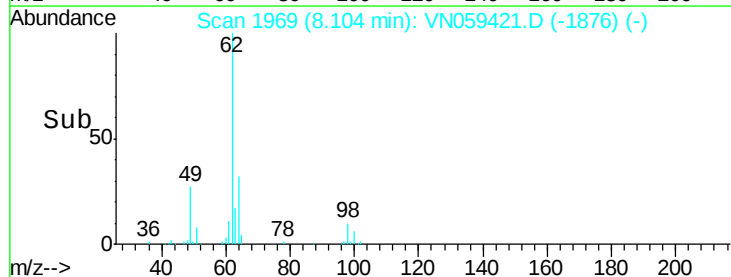
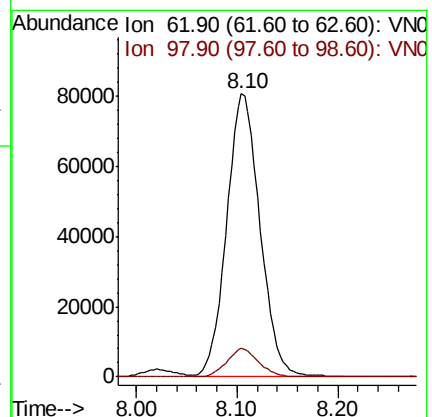
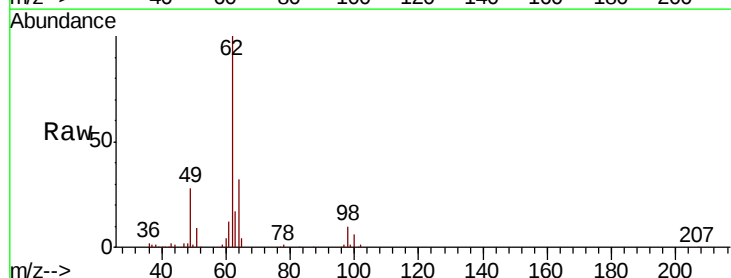
Manual Integrations
APPROVED

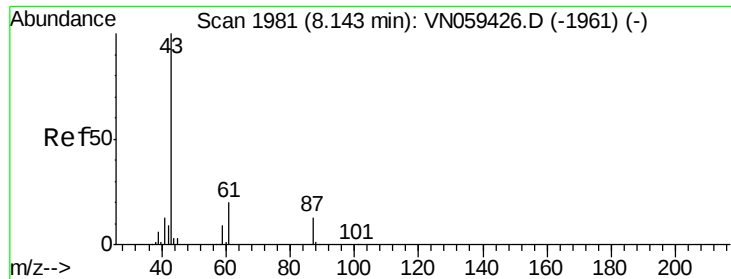
apatel
12/2/2019 10:08:53 AM



#42
1,2-Dichloroethane
Concen: 35.047 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 35.096 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

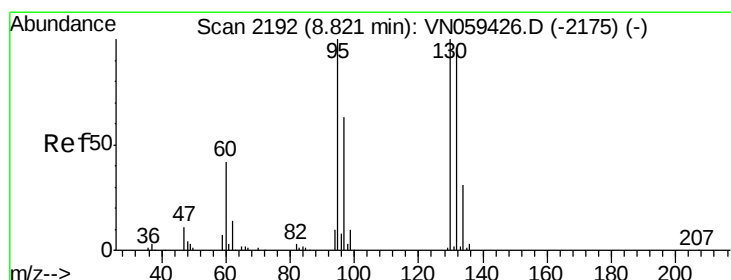
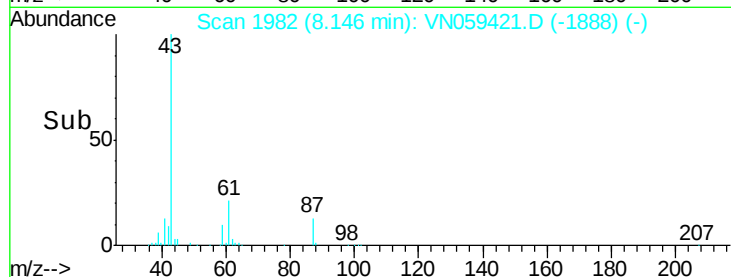
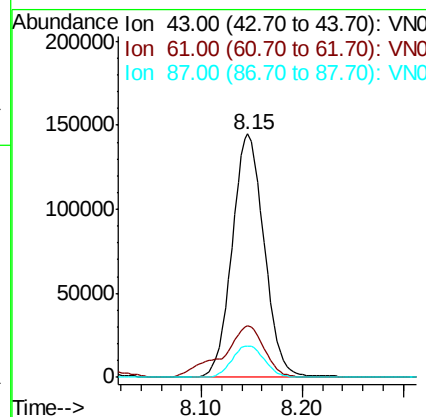
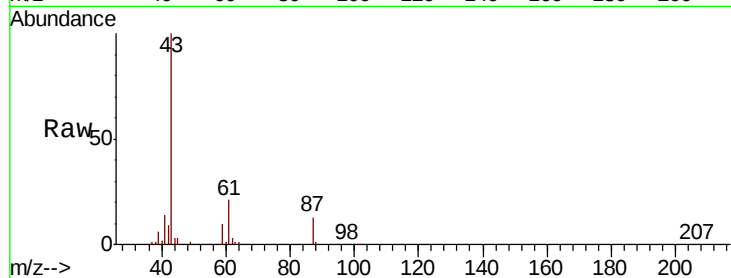
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	317684
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.2	33.2
87	13.3	10.7	16.1

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#44

Trichloroethene

Concen: 34.515 ug/l

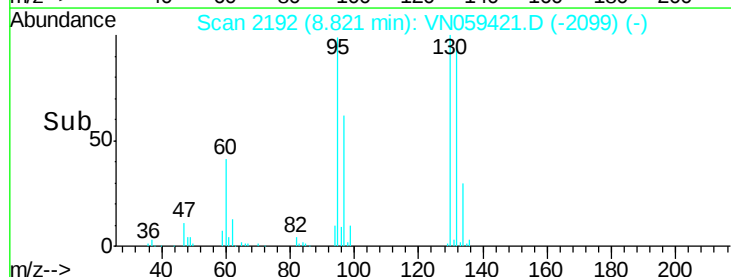
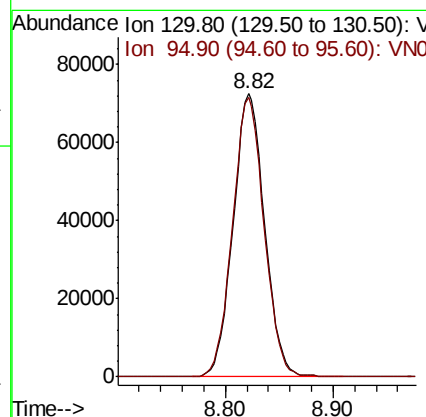
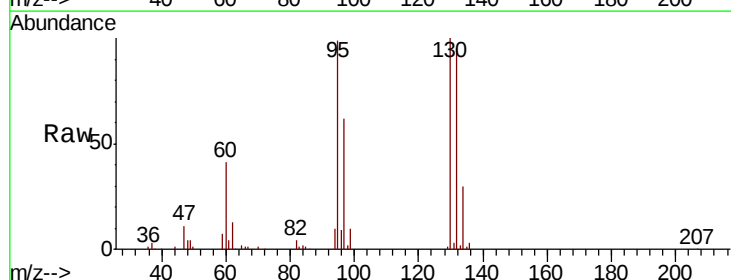
RT: 8.82 min Scan# 2192

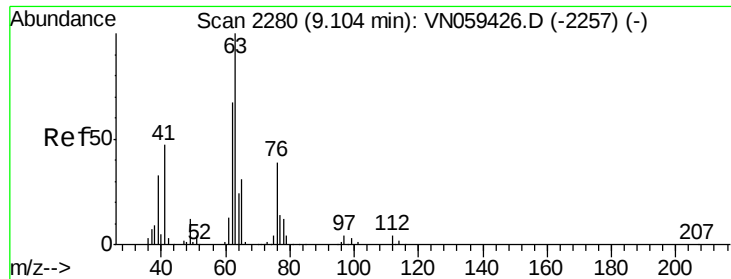
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	130	Resp:	147158
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	199.6





#45

1,2-Dichloropropane

Concen: 35.015 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 153147

Ion Ratio Lower Upper

63 100

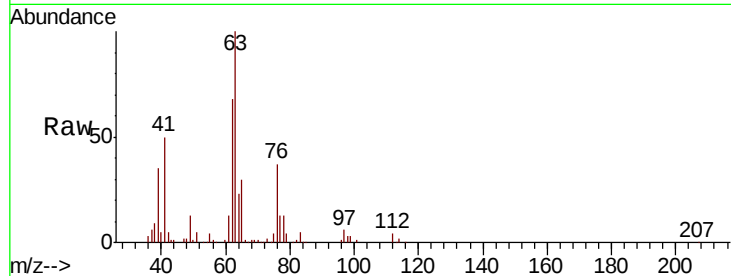
65 30.2 24.6 36.8

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

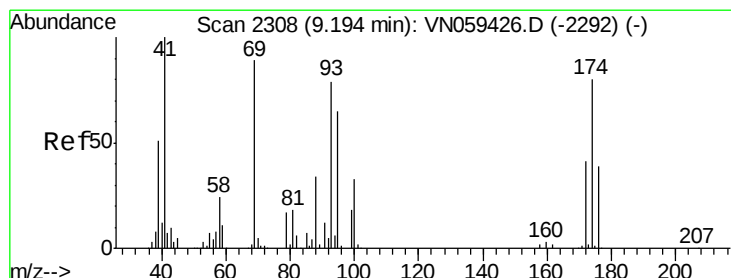
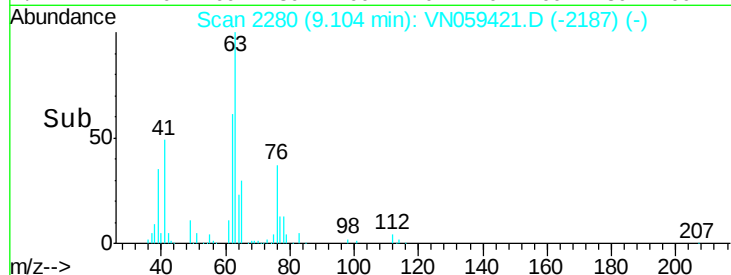
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 34.912 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

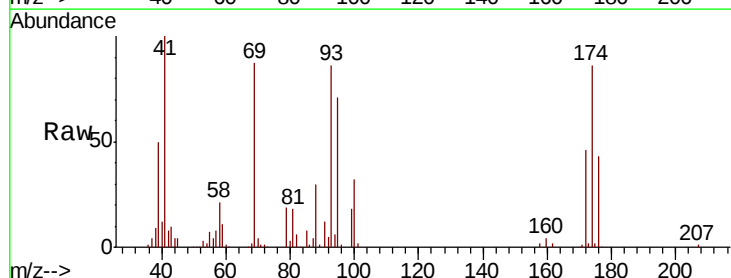
Tgt Ion: 93 Resp: 94230

Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 100.0 81.8 122.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

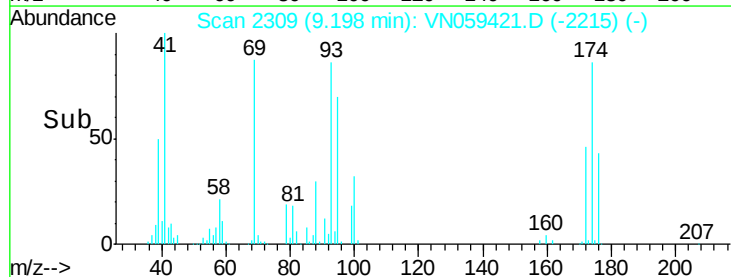
20000

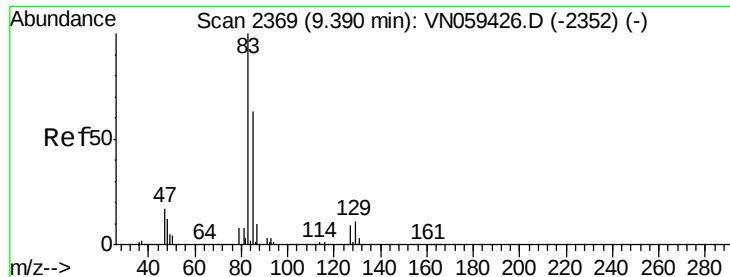
10000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 34.509 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

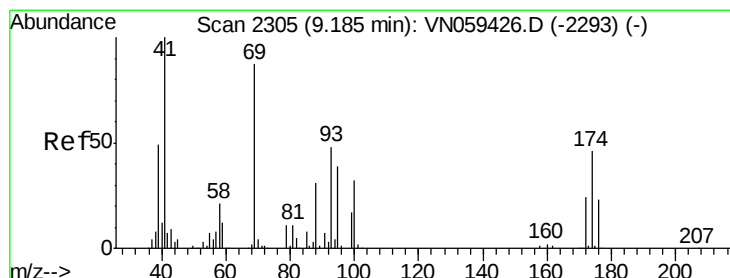
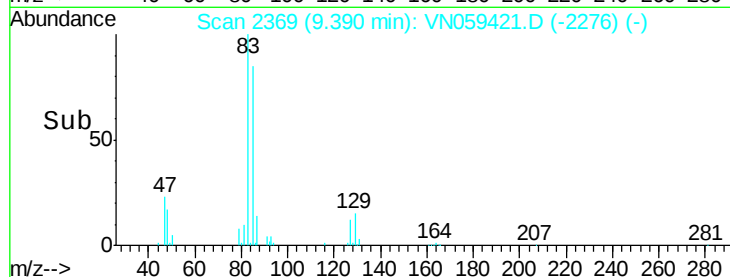
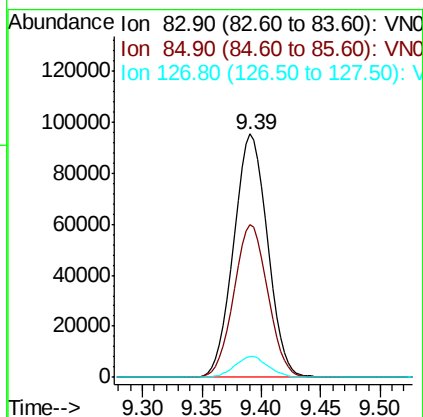
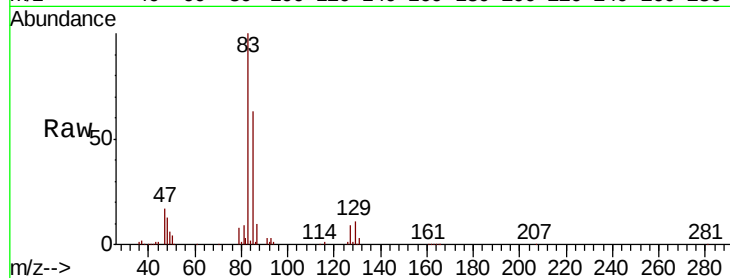
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	188387
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.6	75.8
127	8.6	6.8	10.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#48

Methyl methacrylate

Concen: 34.879 ug/l

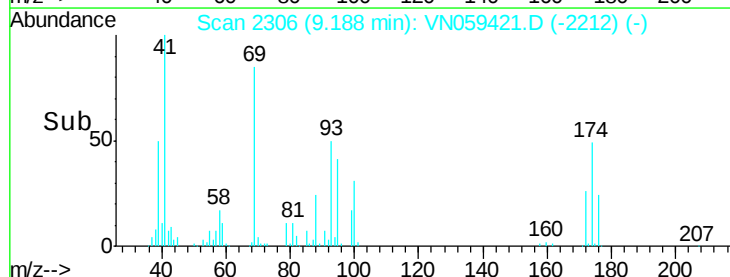
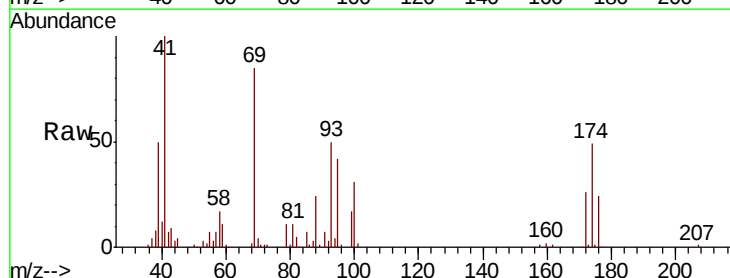
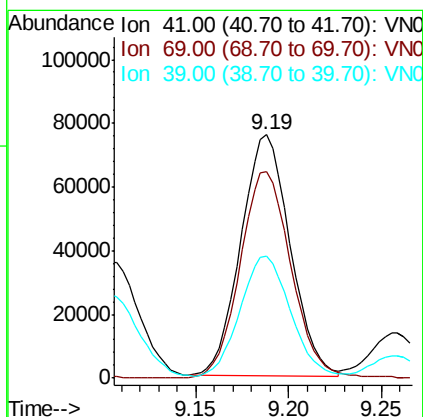
RT: 9.19 min Scan# 2306

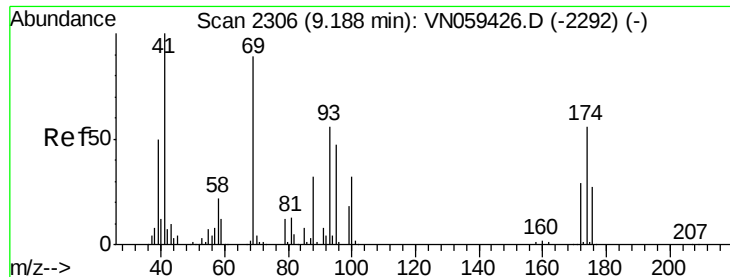
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	41	Resp:	140069
Ion Ratio	Lower	Upper	
41	100		
69	89.4	71.6	107.4
39	52.3	41.3	61.9





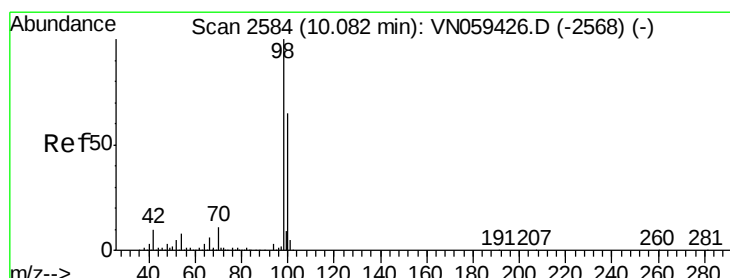
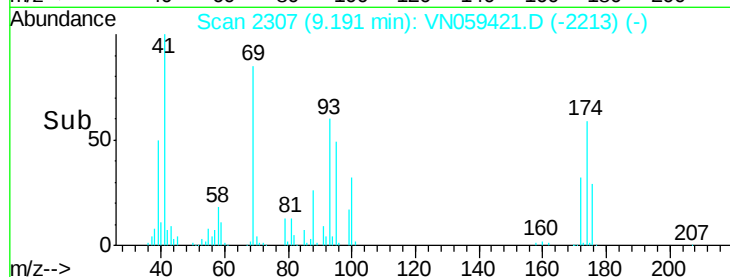
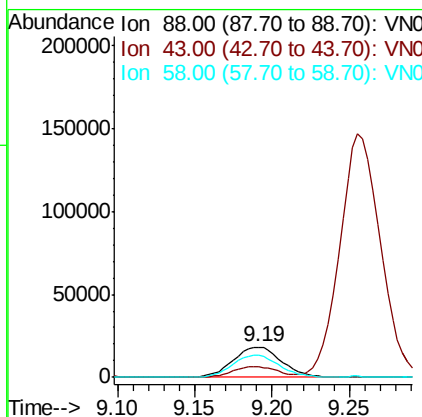
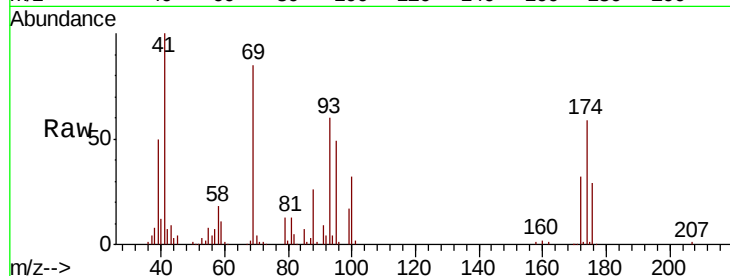
#49
1,4-Dioxane
Concen: 670.468 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	23.7	35.5
58	71.4	56.3	84.5

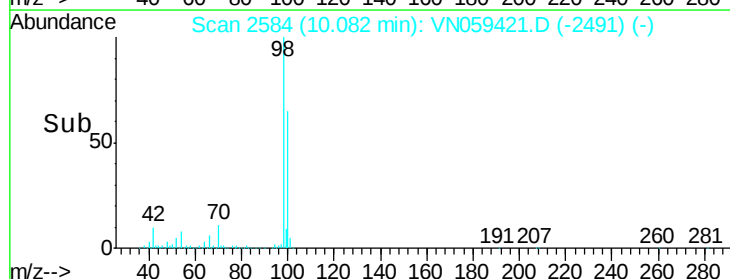
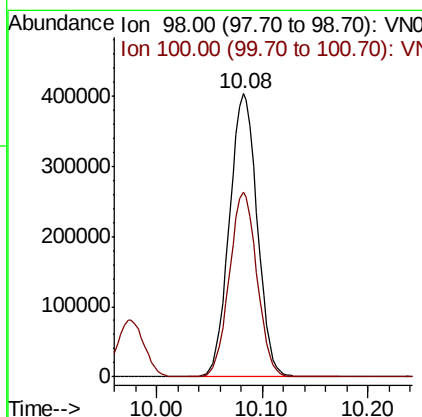
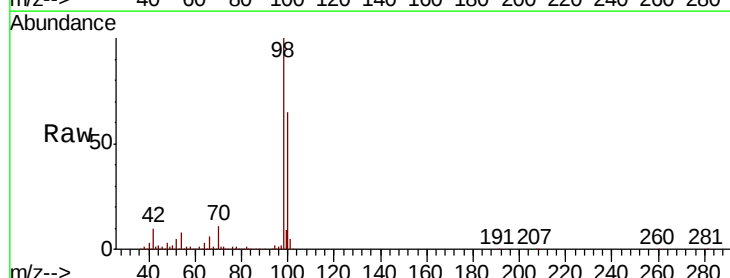
Manual Integrations
APPROVED

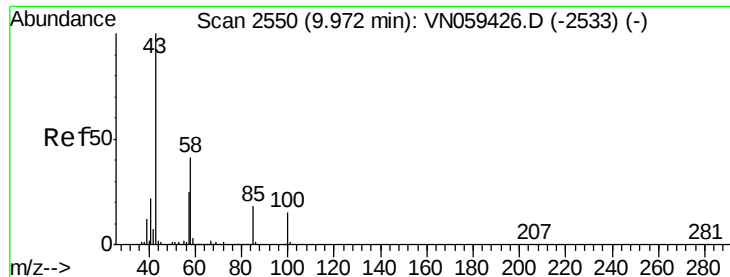
apatel
12/2/2019 10:08:53 AM



#50
Toluene-d8
Concen: 51.672 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 184.410 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 968216

Ion Ratio Lower Upper

43 100

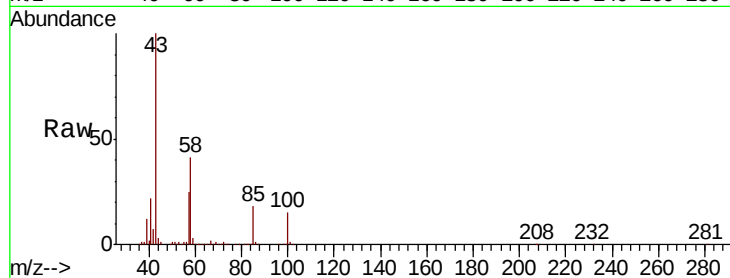
58 40.5 32.5 48.7

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

0

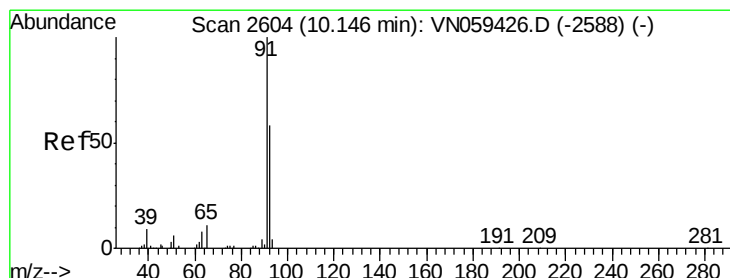
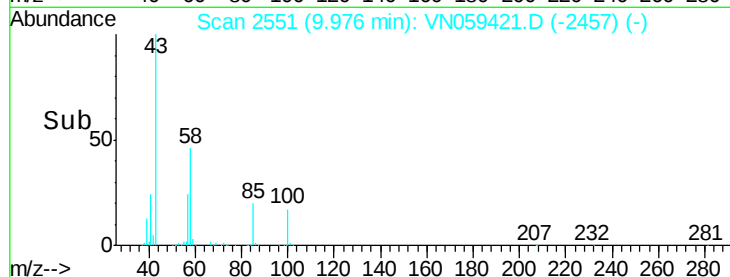
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 34.476 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059421.D

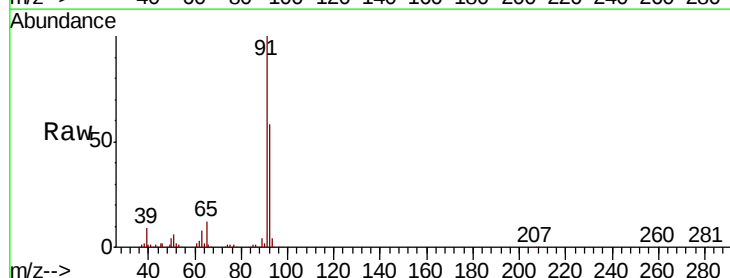
Acq: 27 Nov 2019 13:45

Tgt Ion: 92 Resp: 344403

Ion Ratio Lower Upper

92 100

91 173.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

200000

100000

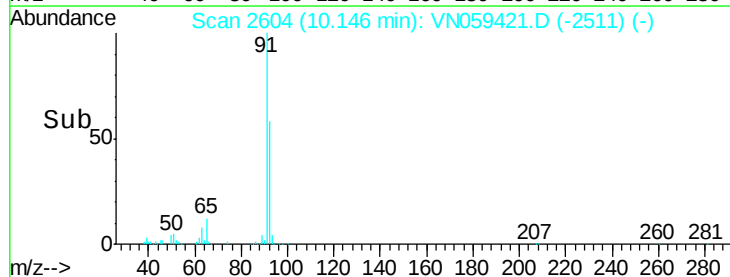
0

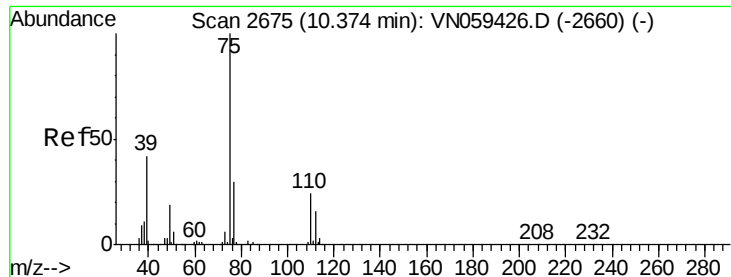
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 34.625 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 217194

Ion Ratio Lower Upper

75 100

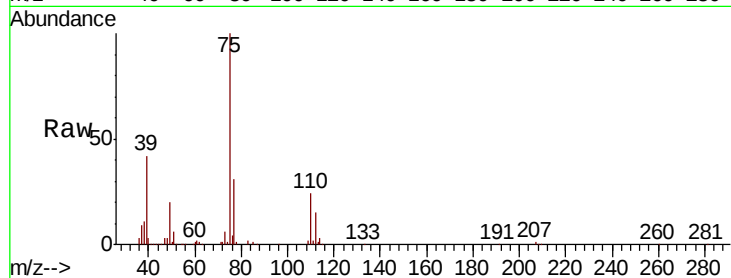
77 30.8 25.5 38.3

Manual Integrations

APPROVED

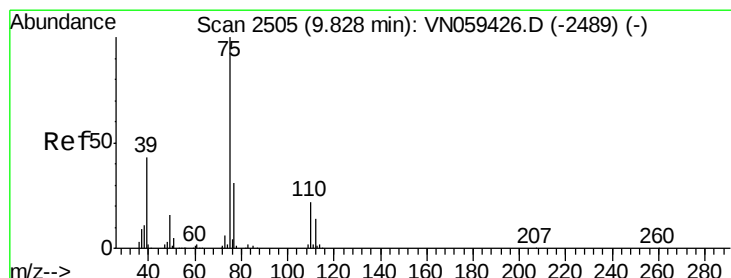
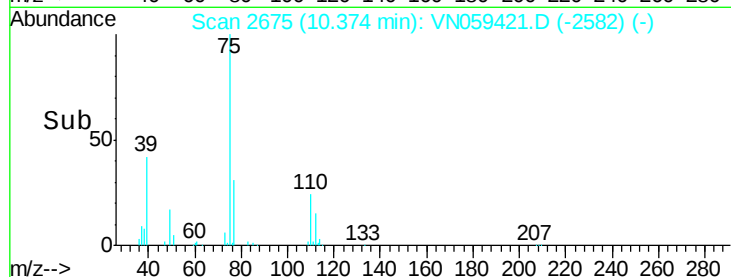
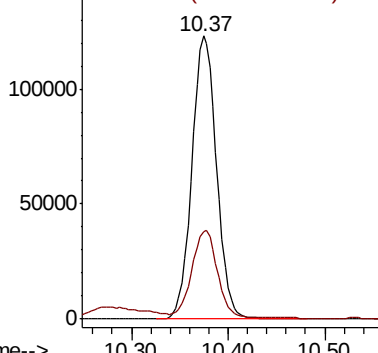
apatel

12/2/2019 10:08:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 35.051 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

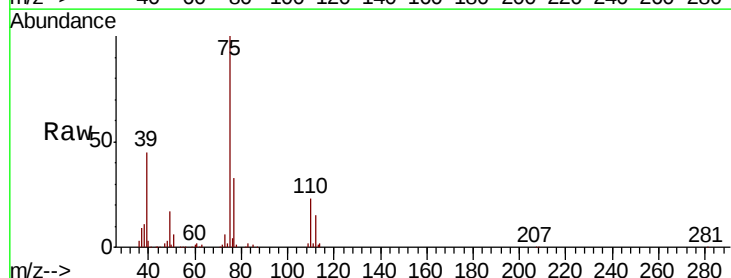
Tgt Ion: 75 Resp: 237345

Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7

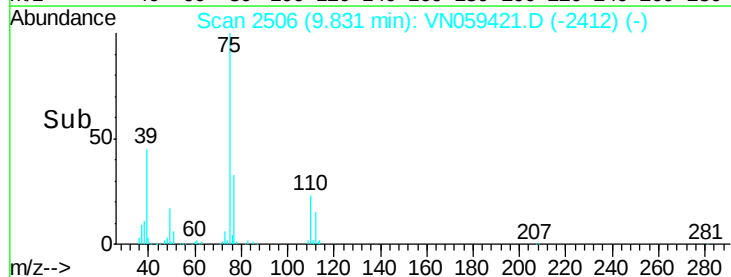
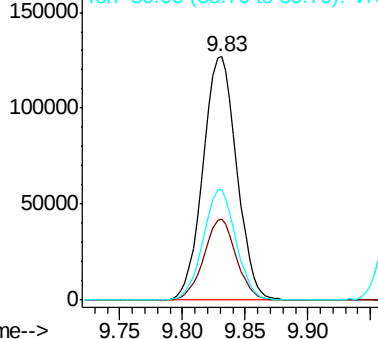
39 45.1 34.0 51.0

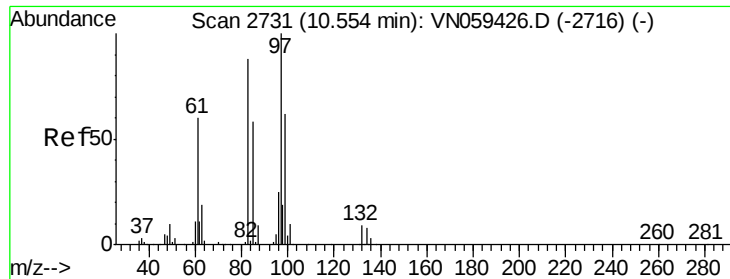


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





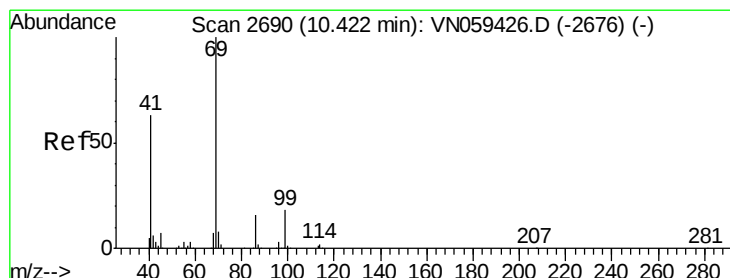
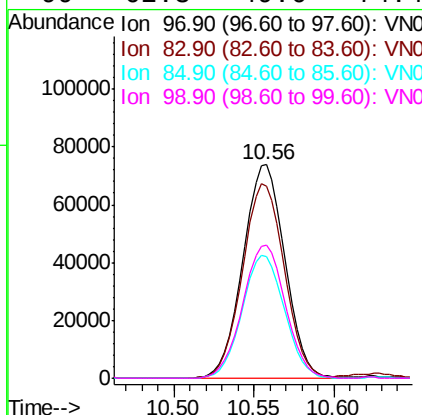
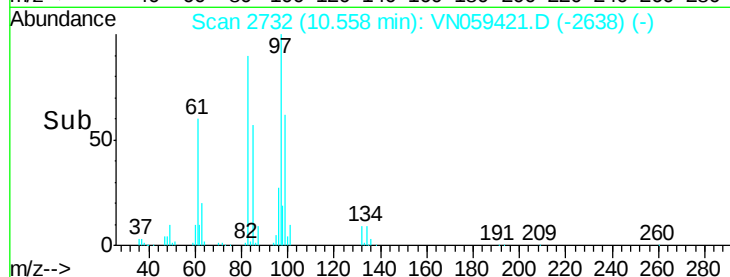
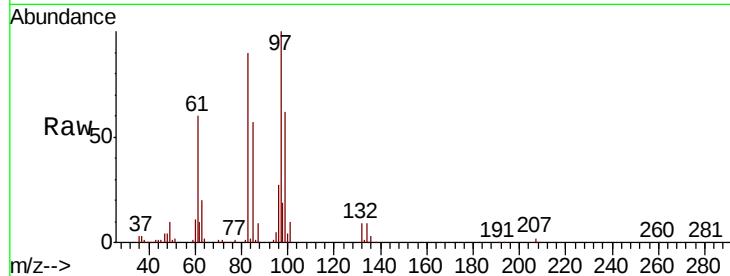
#55
 1,1,2-Trichloroethane
 Concen: 33.903 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	132562
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.7	106.1
85	57.0	46.4	69.6
99	62.3	49.6	74.4

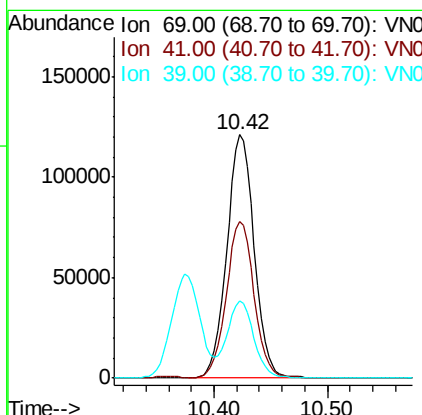
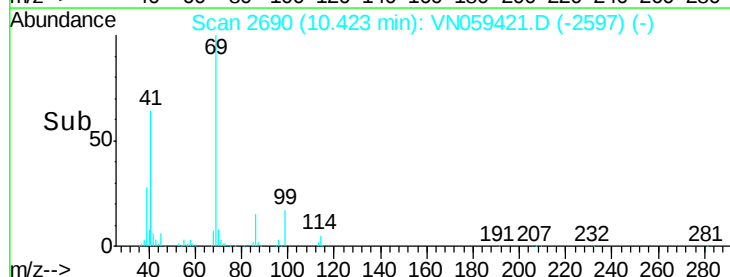
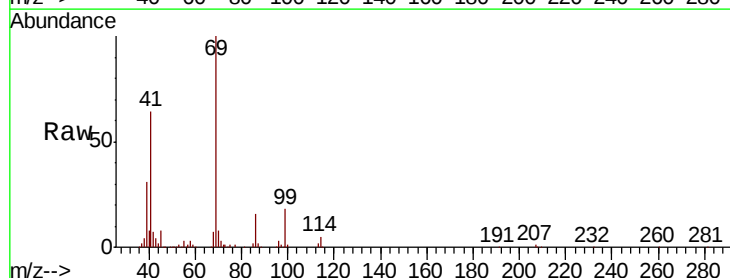
Manual Integrations
 APPROVED

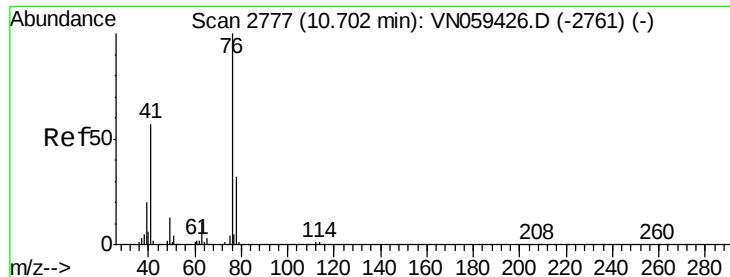
apatel
 12/2/2019 10:08:53 AM



#56
 Ethyl methacrylate
 Concen: 38.009 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion:	69	Resp:	203680
Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.1	75.1
39	30.6	23.9	35.9





#57

1,3-Dichloropropane

Concen: 34.683 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 234386

Ion Ratio Lower Upper

76 100

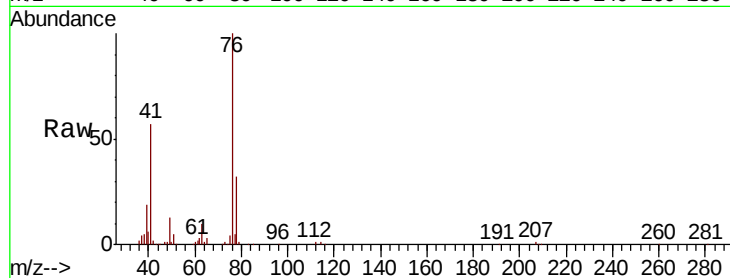
78 32.4 25.5 38.3

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

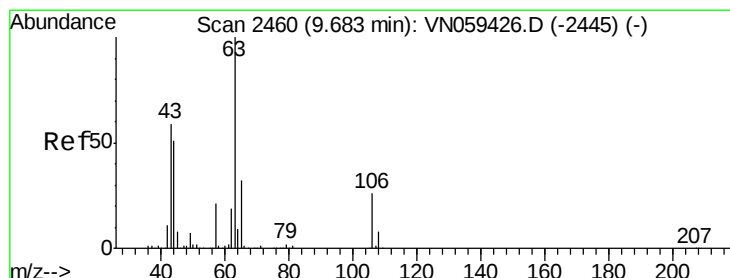
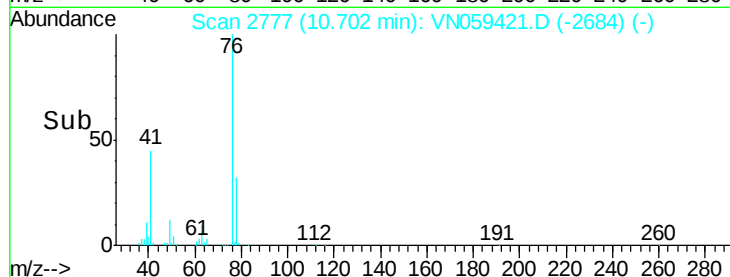
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 178.794 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059421.D

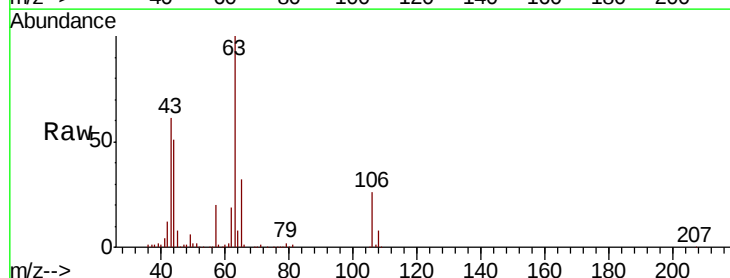
Acq: 27 Nov 2019 13:45

Tgt Ion: 63 Resp: 299542

Ion Ratio Lower Upper

63 100

106 25.9 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

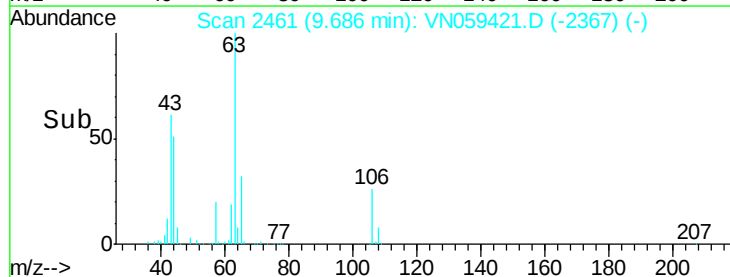
150000

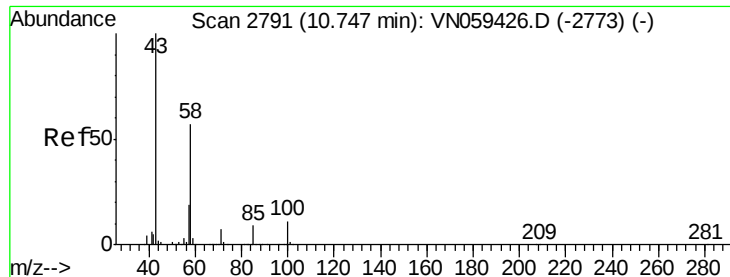
100000

50000

0

Time--> 9.60 9.70 9.80





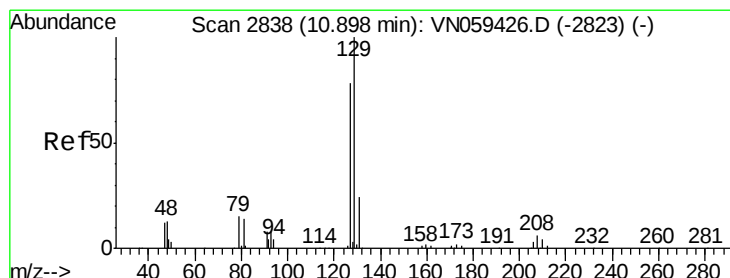
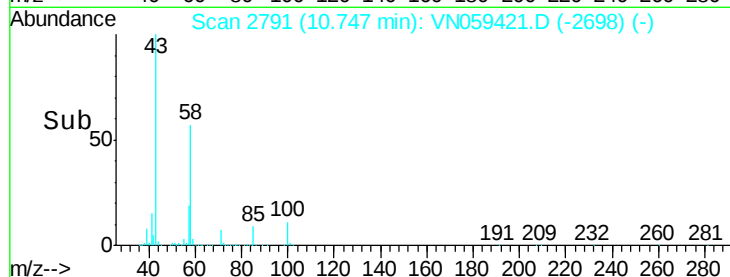
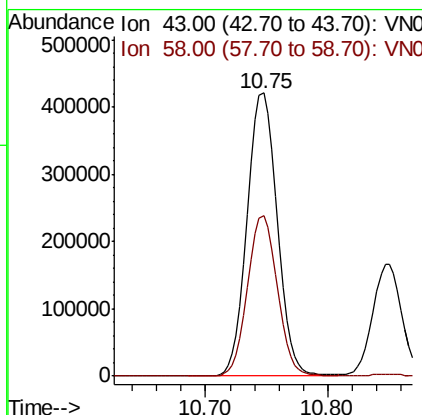
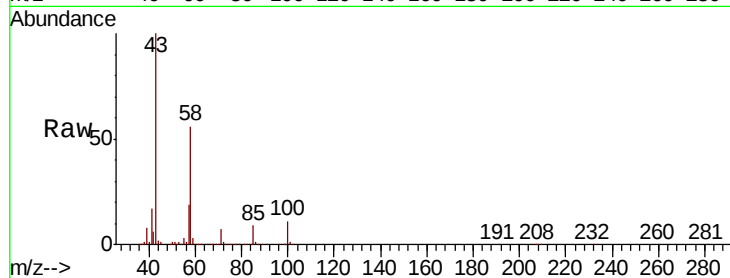
#59
2-Hexanone
Concen: 183.719 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 715263
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0

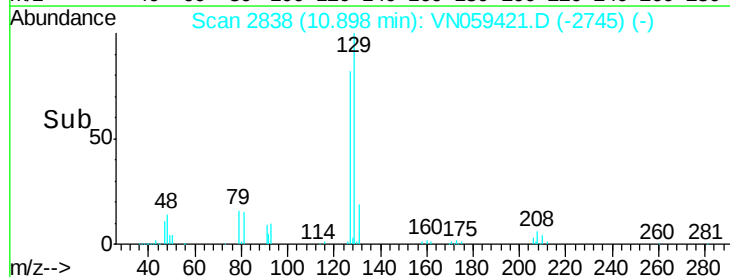
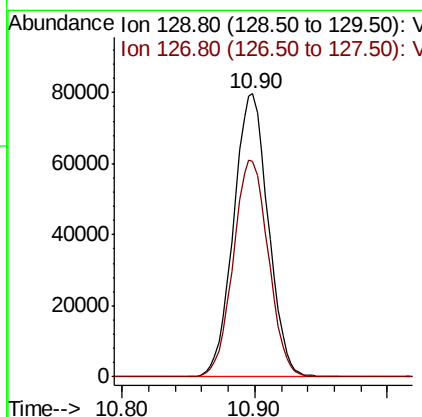
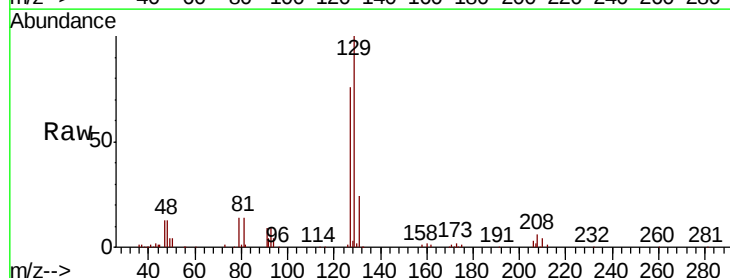
Manual Integrations
APPROVED

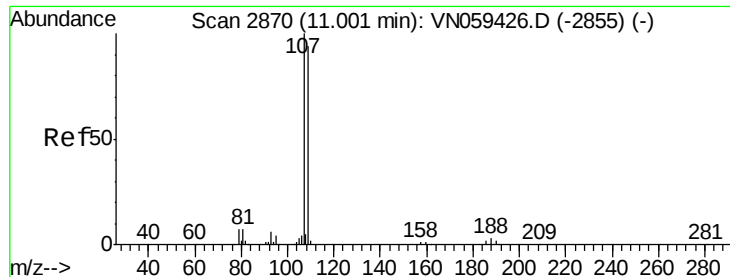
apatel
12/2/2019 10:08:53 AM



#60
Dibromochloromethane
Concen: 35.513 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion: 129 Resp: 144948
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





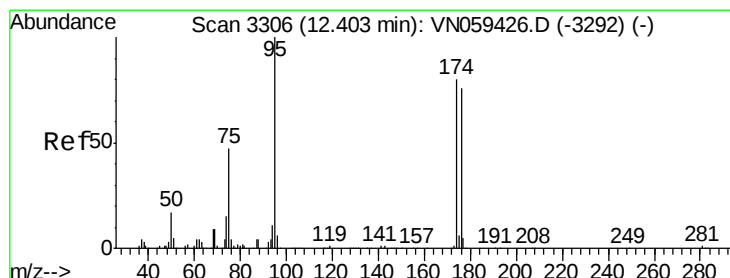
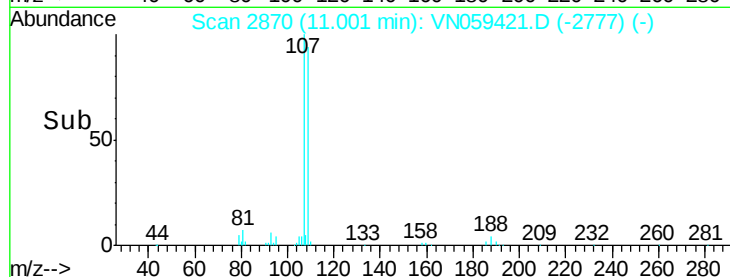
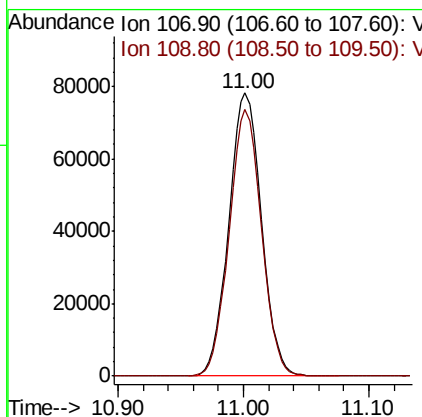
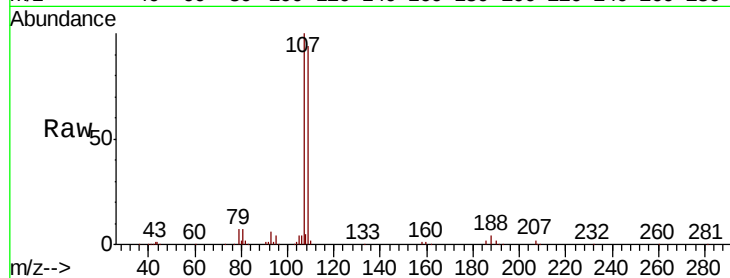
#61
 1,2-Dibromoethane
 Concen: 35.272 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.8

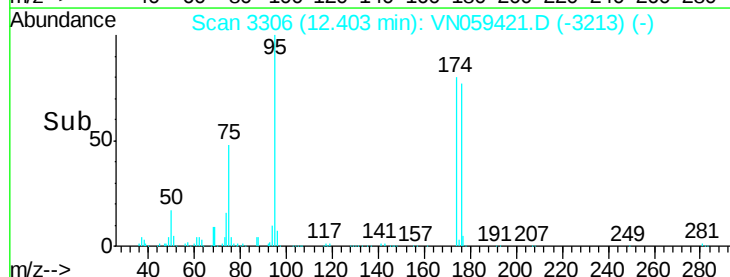
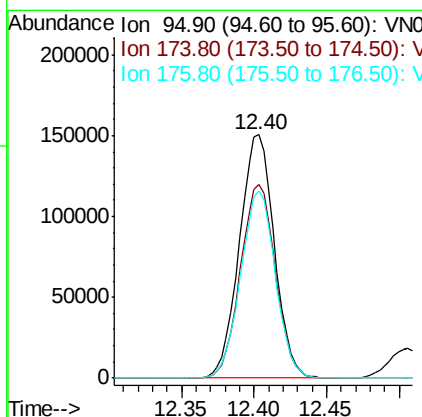
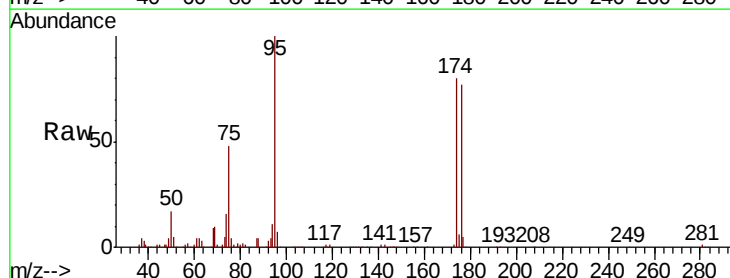
Manual Integrations
 APPROVED

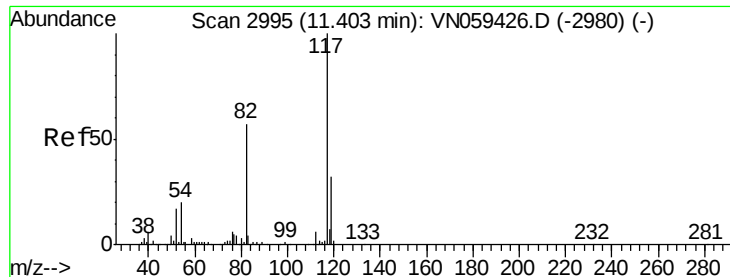
apatel
 12/2/2019 10:08:53 AM



#62
 4-Bromofluorobenzene
 Concen: 50.874 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	158.0
176	76.9	0.0	153.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

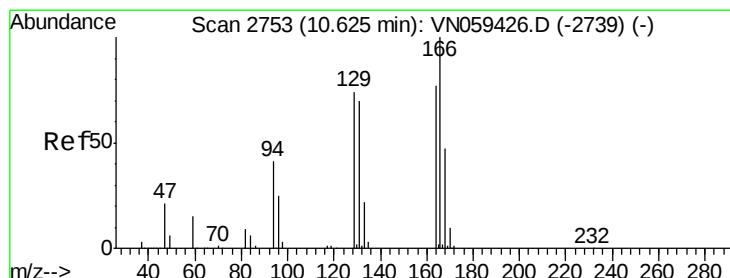
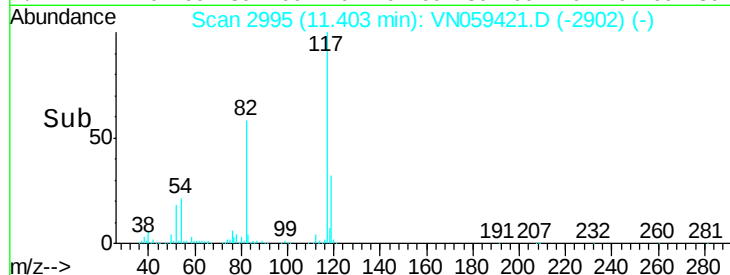
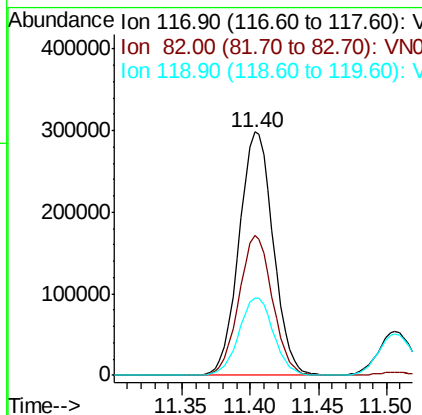
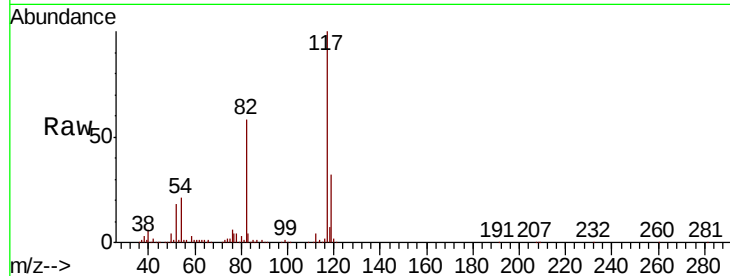
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	519860
Ion Ratio	Lower	Upper	
117	100		
82	57.6	45.4	68.0
119	31.9	25.6	38.4

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#64

Tetrachloroethene

Concen: 33.544 ug/l

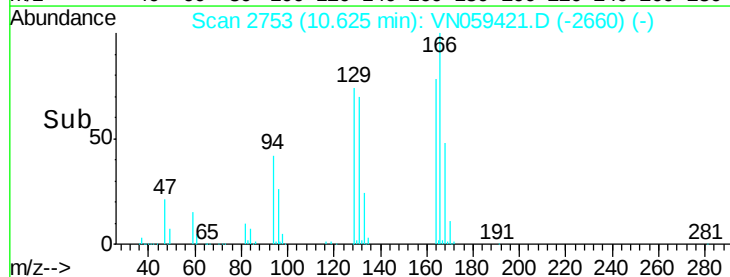
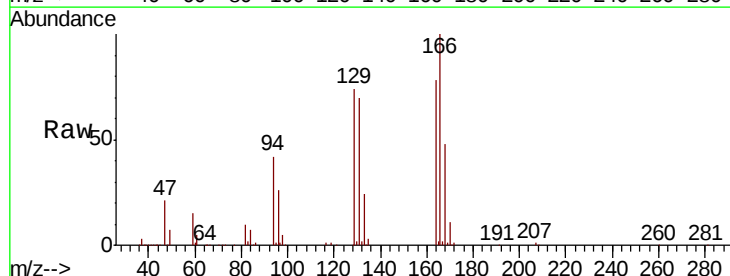
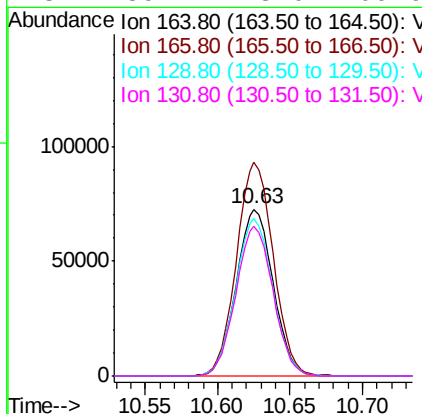
RT: 10.63 min Scan# 2753

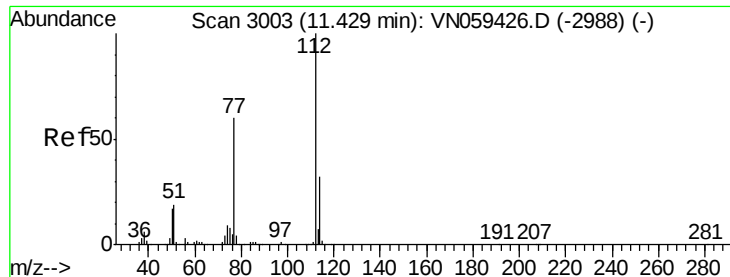
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	164	Resp:	128983
Ion Ratio	Lower	Upper	
164	100		
166	128.1	104.2	156.4
129	94.2	76.8	115.2
131	89.7	73.0	109.6





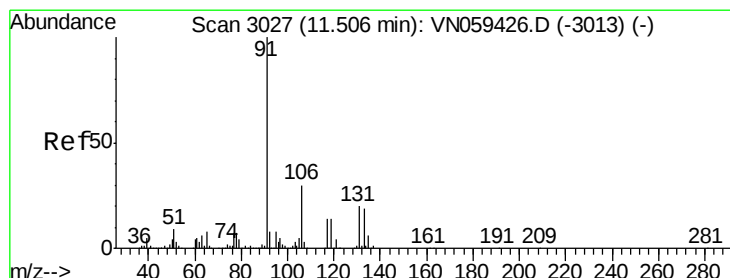
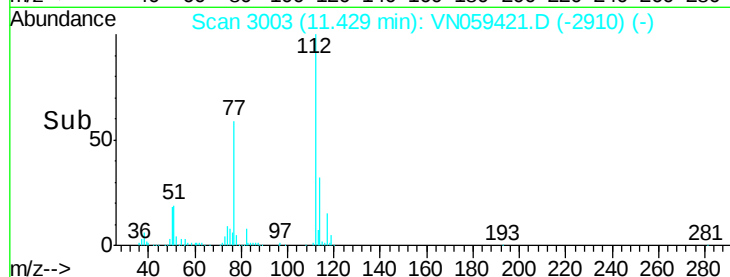
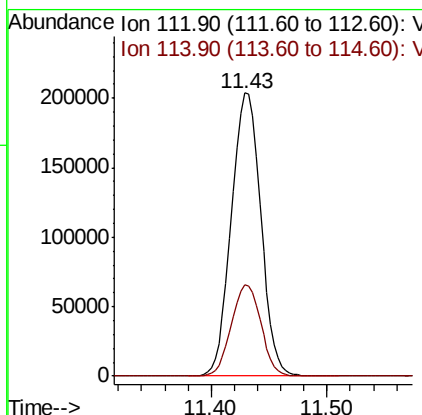
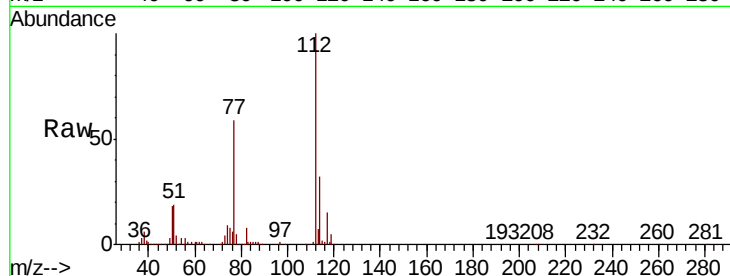
#65
Chlorobenzene
Concen: 34.048 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 358332
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

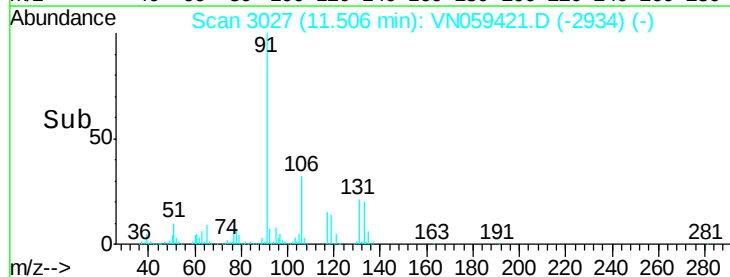
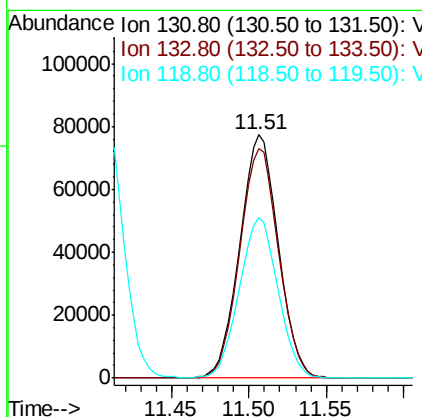
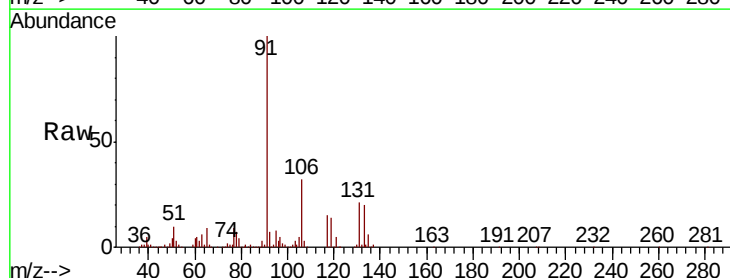
Manual Integrations
APPROVED

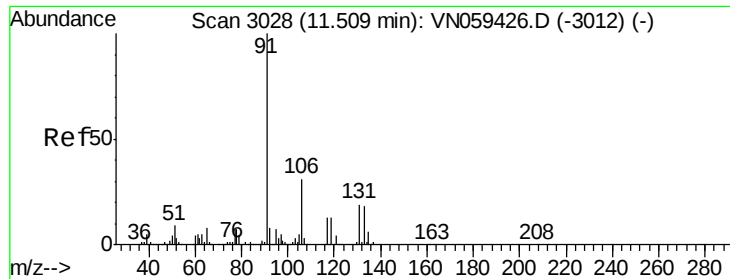
apatel
12/2/2019 10:08:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 35.075 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion:131 Resp: 133867
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 66.4 33.8 101.3





#67

Ethyl Benzene

Concen: 34.802 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 643331

Ion Ratio Lower Upper

91 100

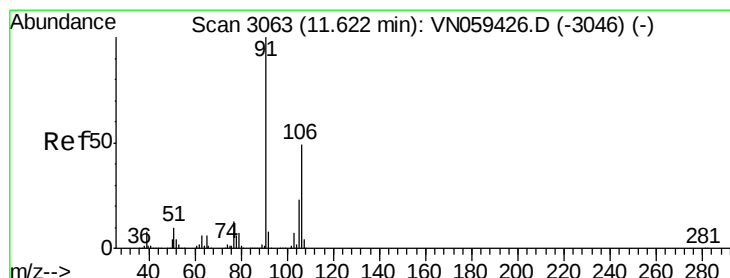
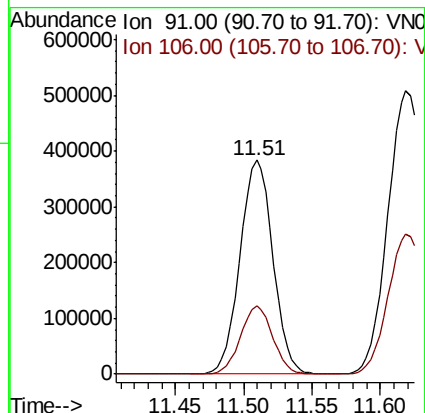
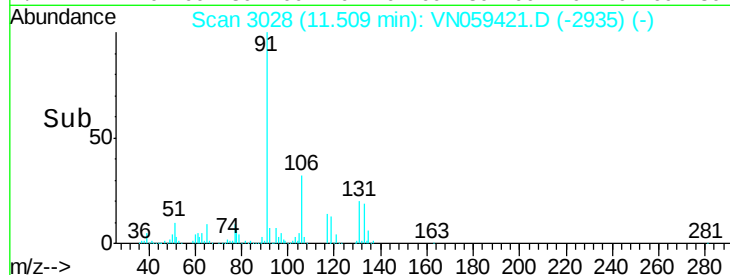
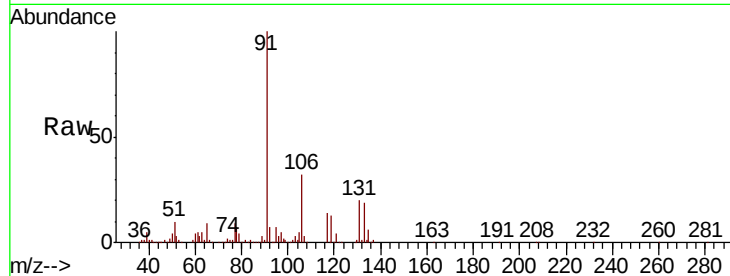
106 31.7 24.7 37.1

Manual Integrations

APPROVED

apatel

12/2/2019 10:08:53 AM



#68

m/p-Xylenes

Concen: 70.034 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059421.D

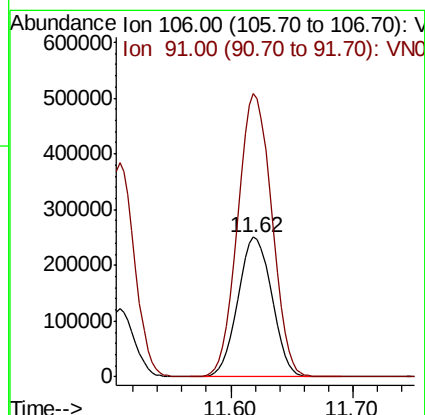
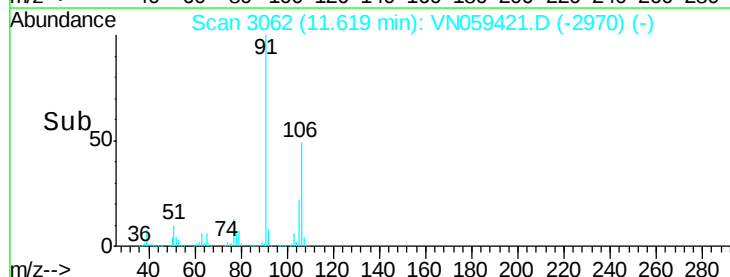
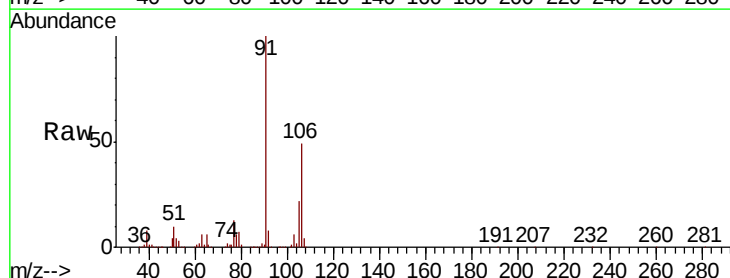
Acq: 27 Nov 2019 13:45

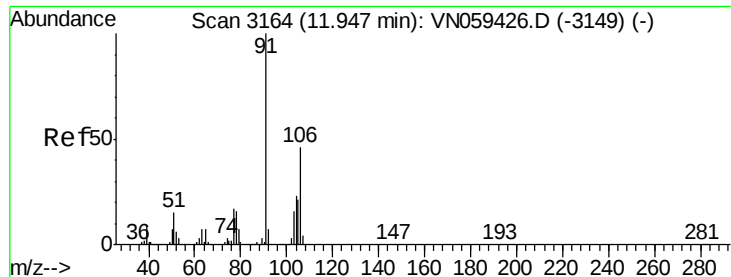
Tgt Ion: 106 Resp: 483363

Ion Ratio Lower Upper

106 100

91 203.3 163.7 245.5





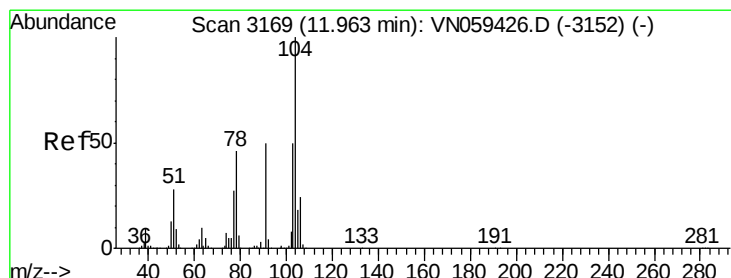
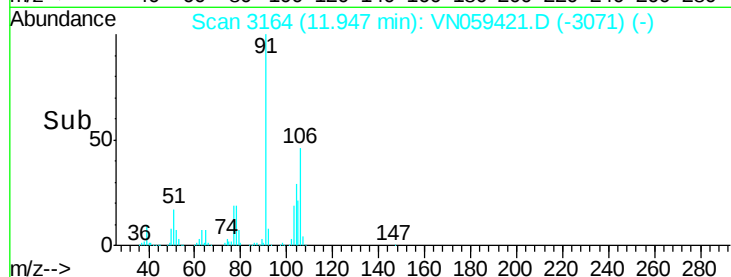
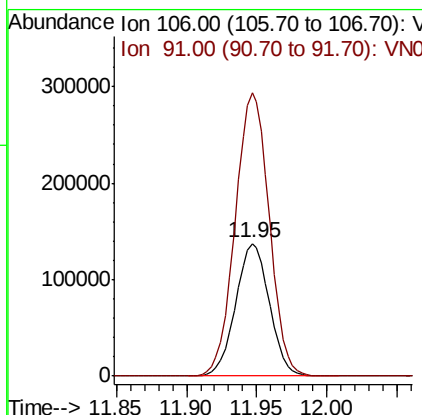
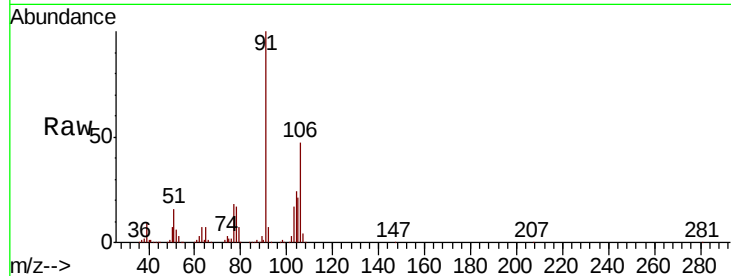
#69
o-Xylene
Concen: 34.704 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.1	107.5	322.4	

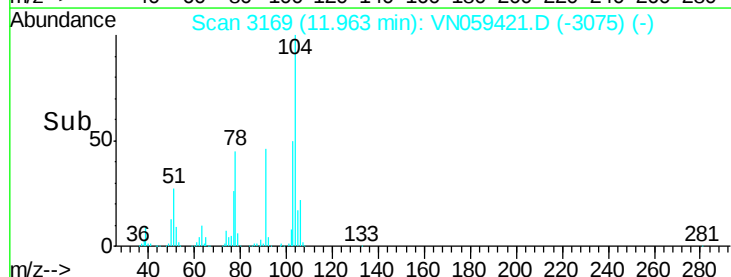
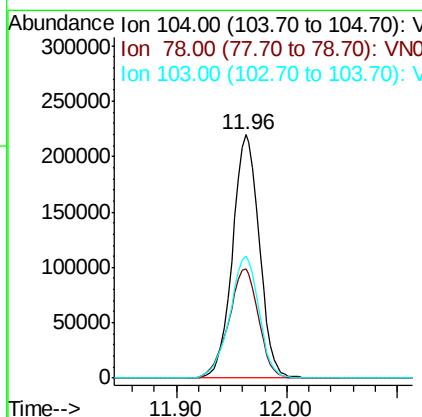
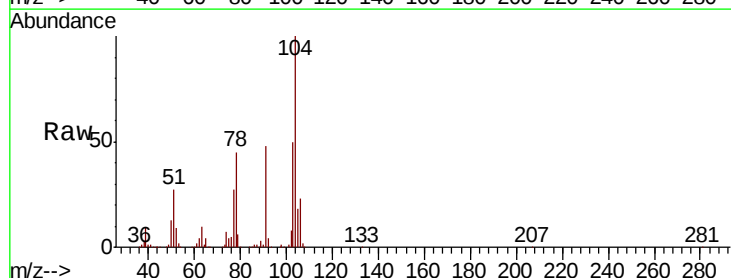
Manual Integrations
APPROVED

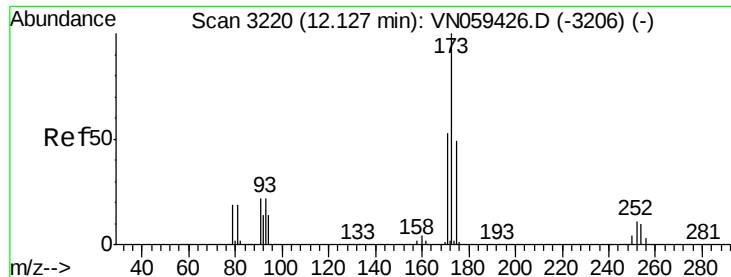
apatel
12/2/2019 10:08:53 AM



#70
Styrene
Concen: 37.888 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	40.4	60.6	
103	54.7	43.8	65.6	





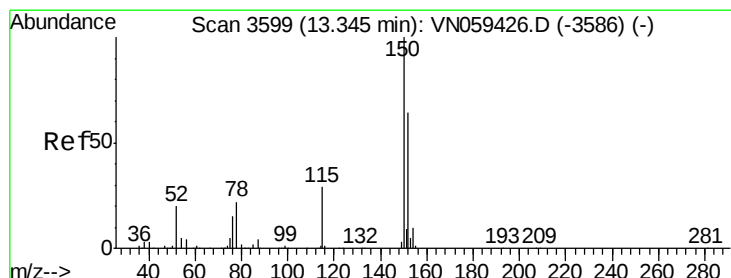
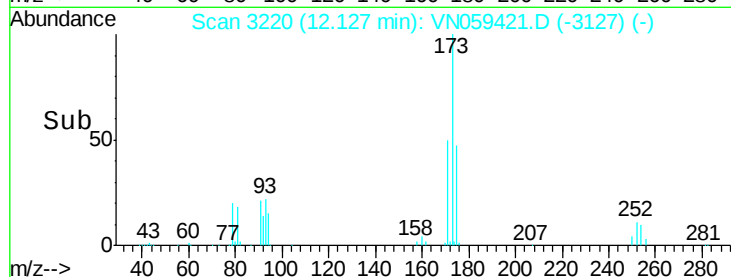
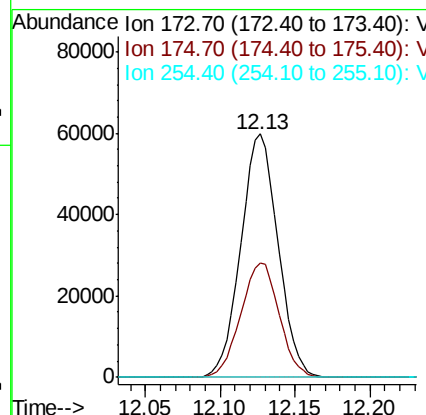
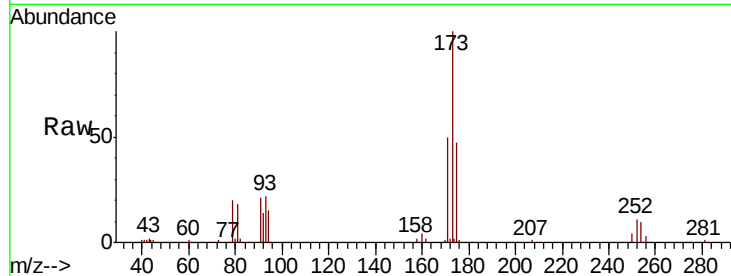
#71
Bromoform
Concen: 35.710 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.0	0.0	0.0

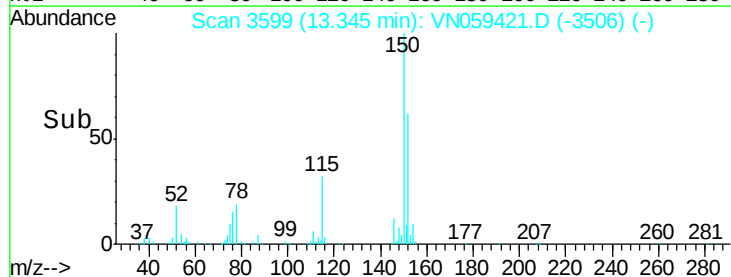
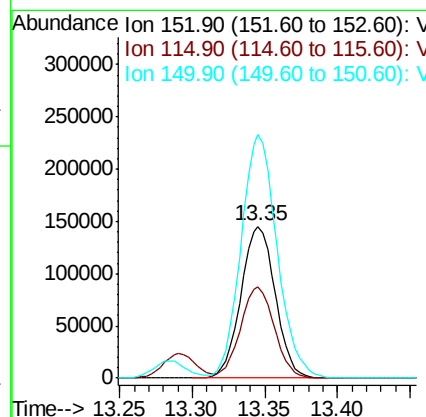
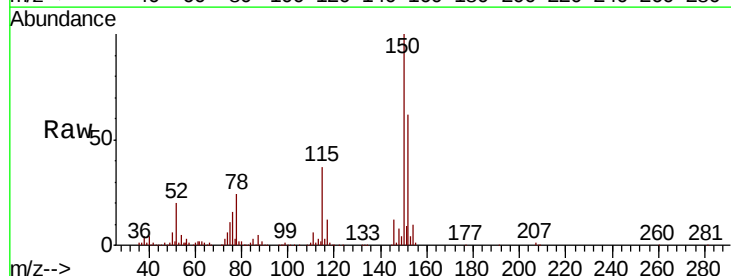
Manual Integrations
APPROVED

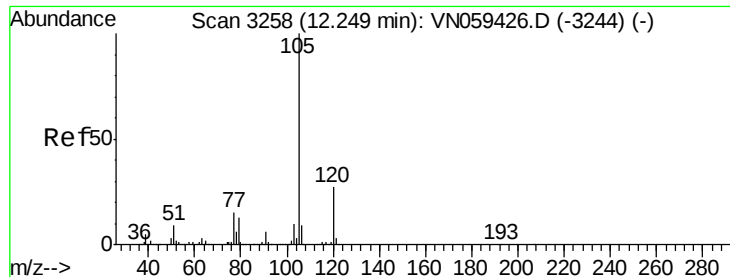
apatel
12/2/2019 10:08:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.5	88.6
150	168.5	0.0	347.2





#73

Isopropylbenzene

Concen: 34.594 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 612433

Ion Ratio Lower Upper

105 100

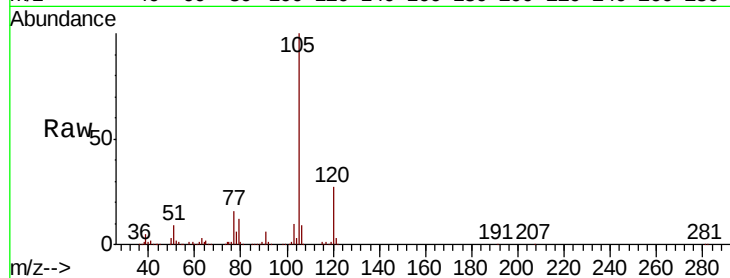
120 26.4 13.2 39.6

Manual Integrations

APPROVED

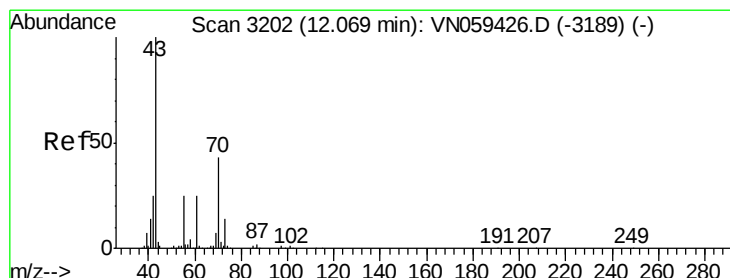
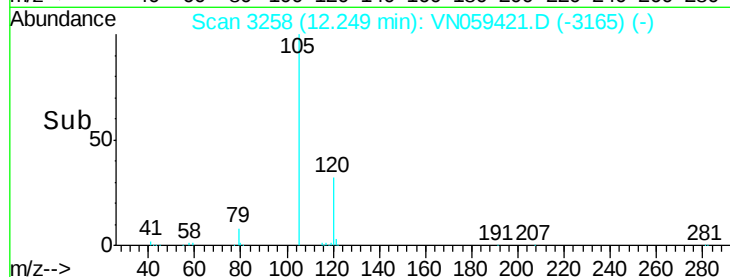
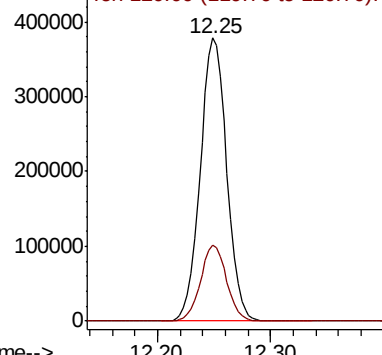
apatel

12/2/2019 10:08:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 39.833 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion: 43 Resp: 244342

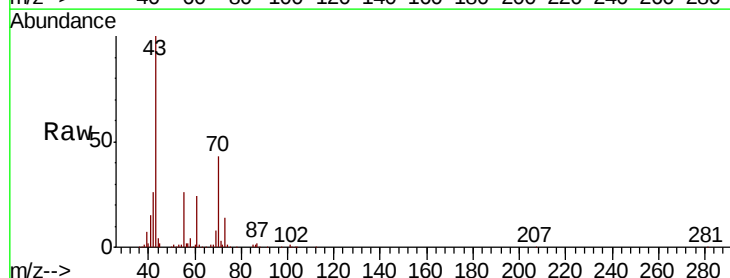
Ion Ratio Lower Upper

43 100

70 42.9 34.6 52.0

55 26.0 20.5 30.7

61 24.4 20.2 30.4

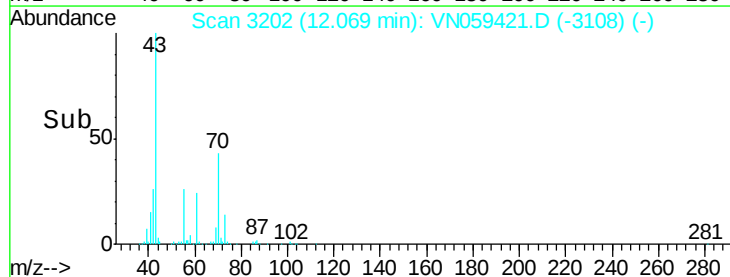
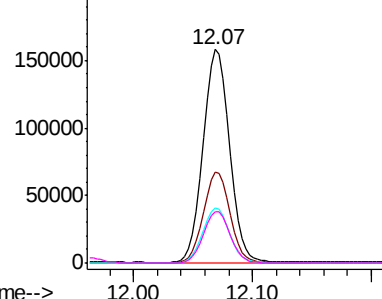


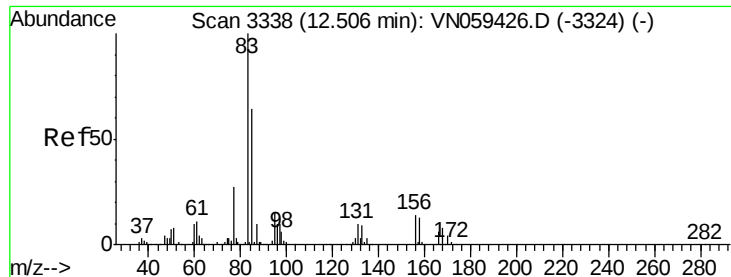
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 34.733 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

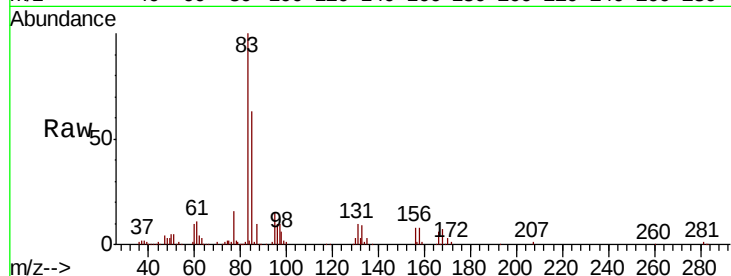
ClientSampleId :

VSTDICCC050

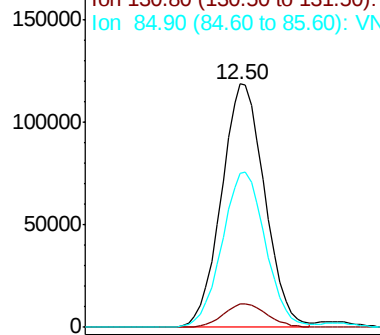
Tot Ion:	83	Resp:	200523
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.9	32.3	96.9

Manual Integrations
APPROVED

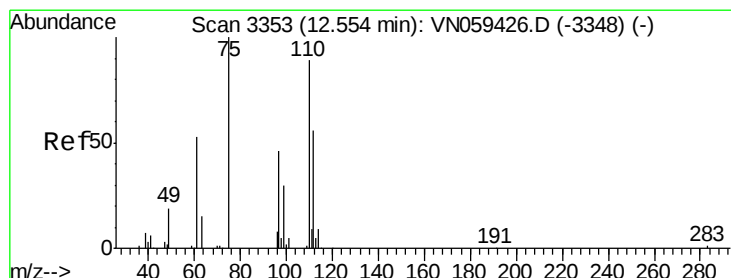
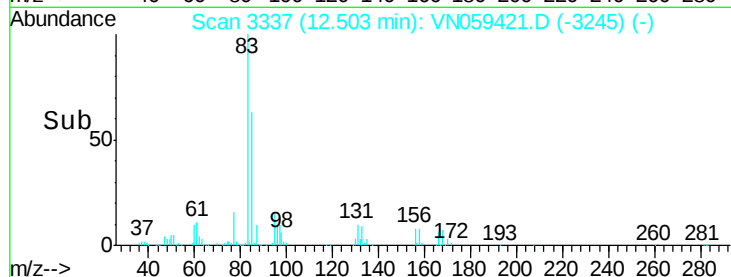
apatel
12/2/2019 10:08:53 AM



Abundance Ion 82.90 (82.60 to 83.60): VN059421.D (-3245) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.015 ug/l m

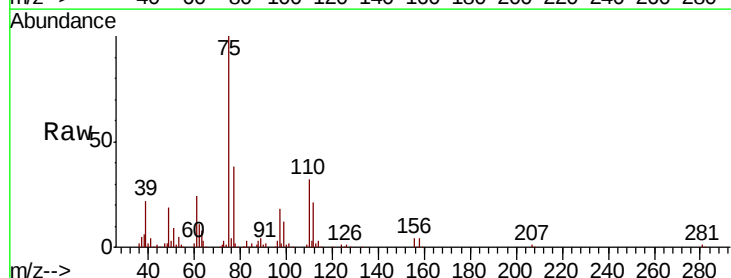
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

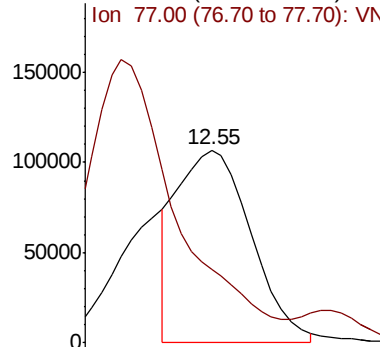
Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

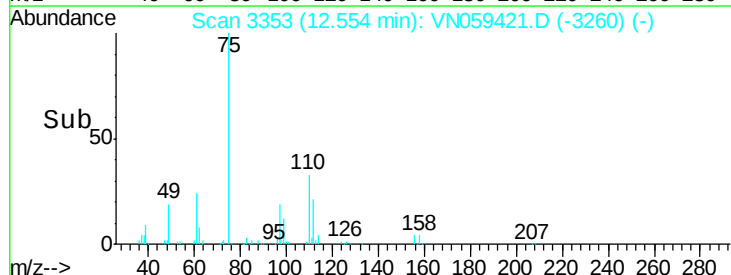
Tgt Ion:	75	Resp:	178483
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

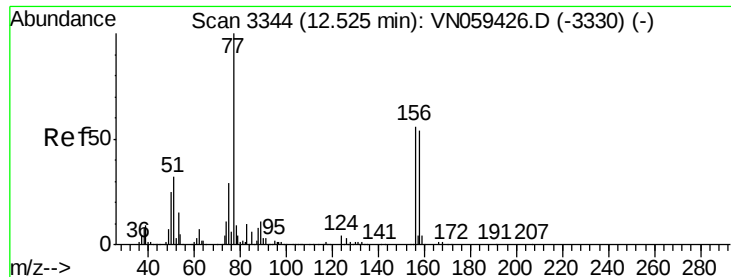


Abundance Ion 74.90 (74.60 to 75.60): VN059421.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 34.132 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

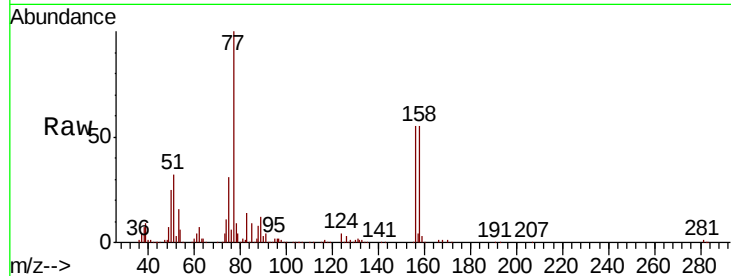
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.2	108.7	326.3	
158	97.6	48.3	144.9	

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM

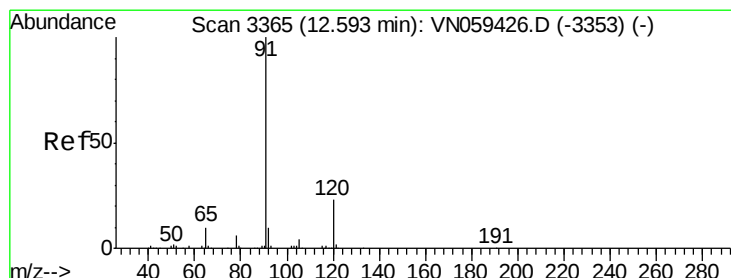
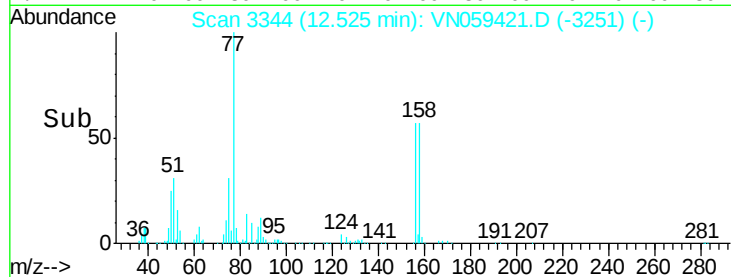
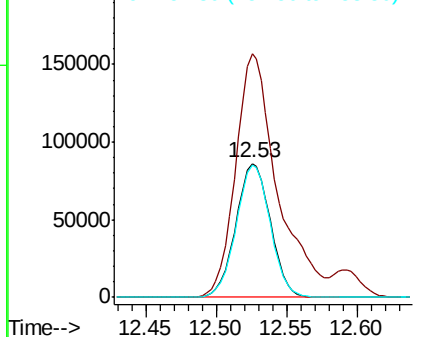


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 34.829 ug/l

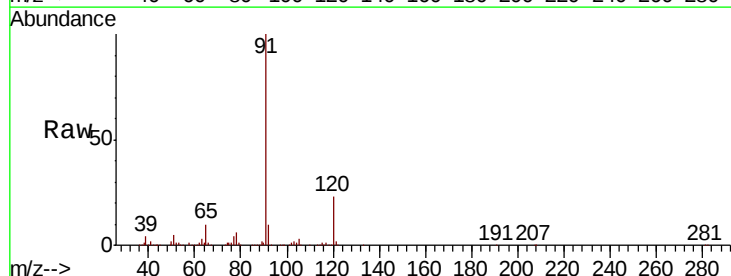
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

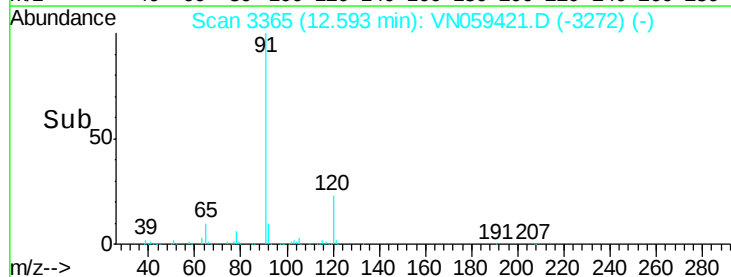
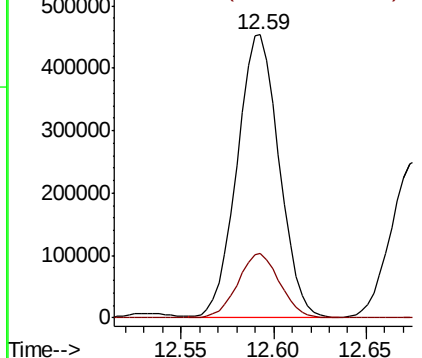
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	11.5	34.4	

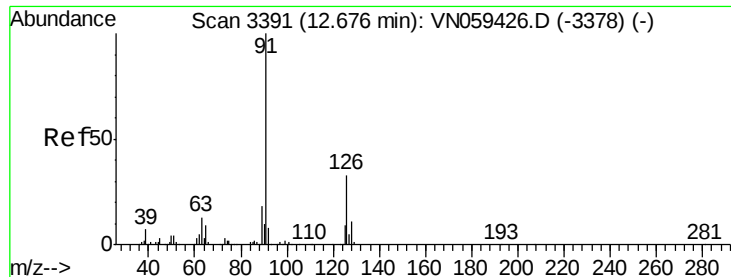


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





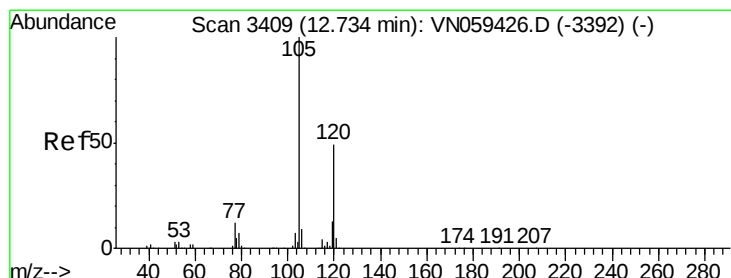
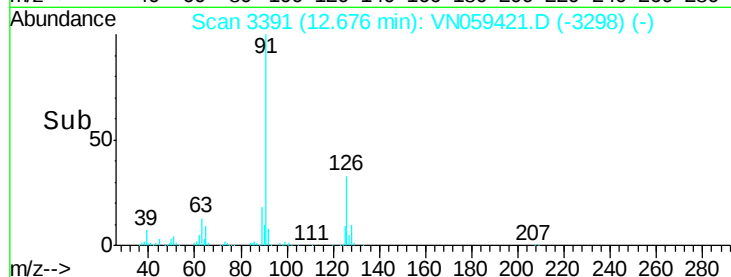
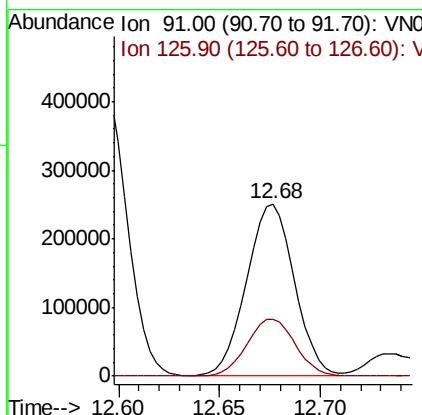
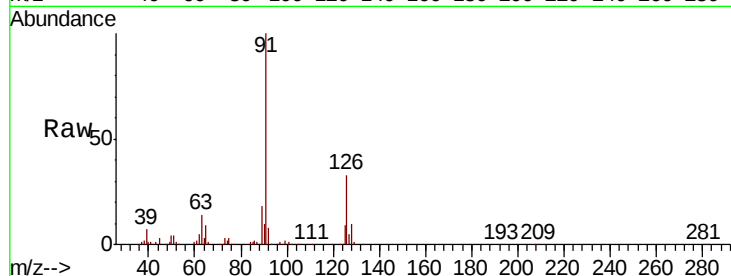
#79
 2-Chlorotoluene
 Concen: 34.027 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 415018
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.7 50.1

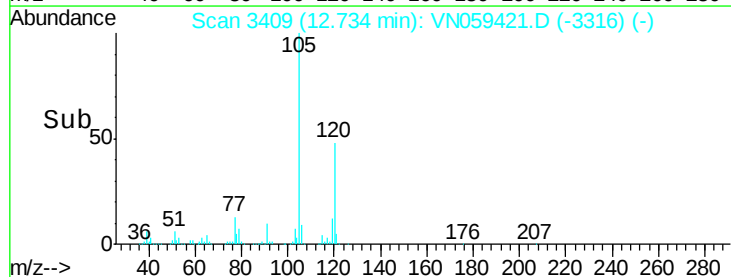
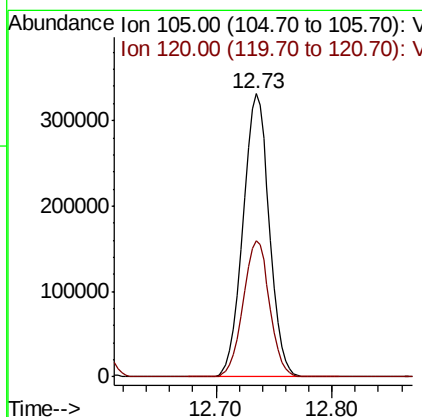
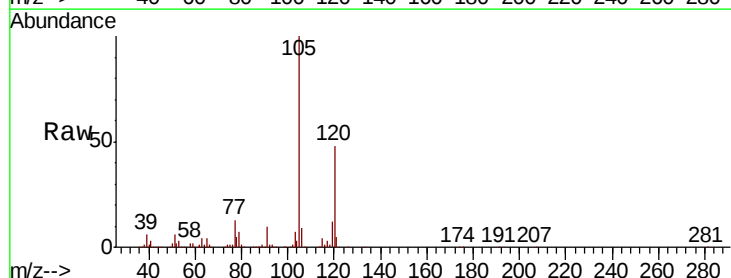
Manual Integrations
 APPROVED

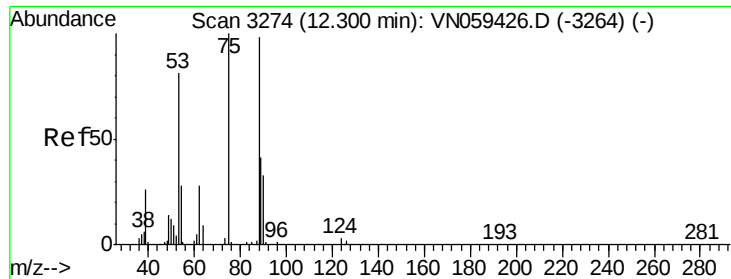
apatel
 12/2/2019 10:08:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 34.907 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion: 105 Resp: 519458
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.6 73.8





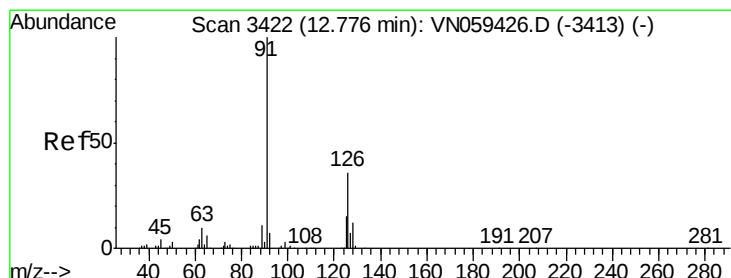
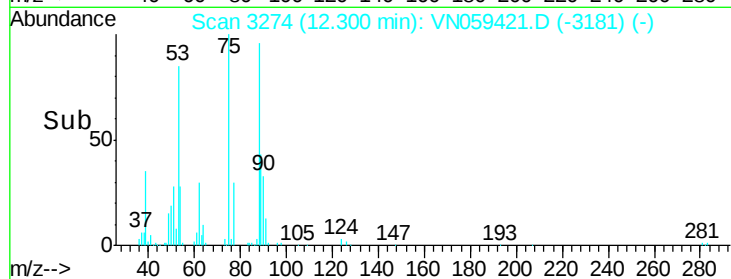
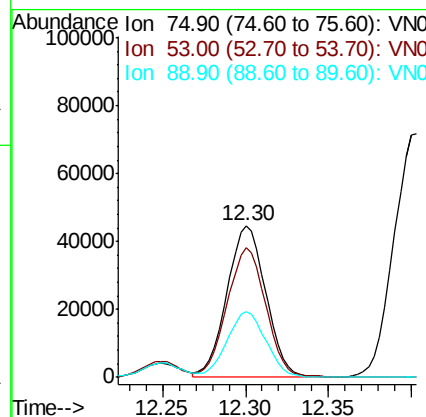
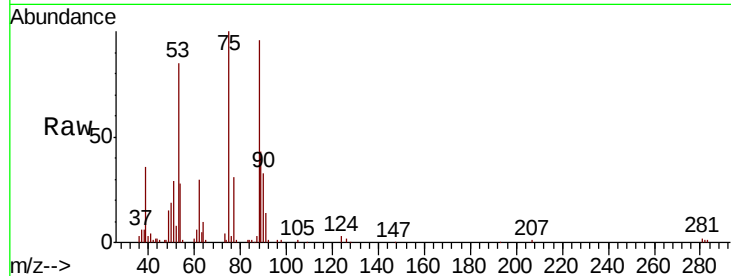
#81
trans-1,4-Dichloro-2-butene
Concen: 34.368 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	66.2	99.4
89	43.8	33.9	50.9

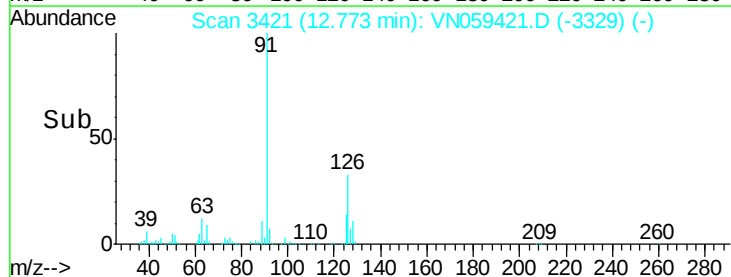
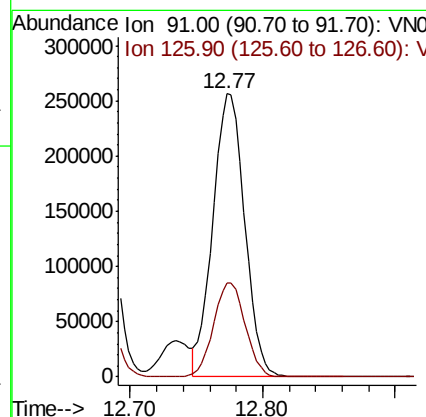
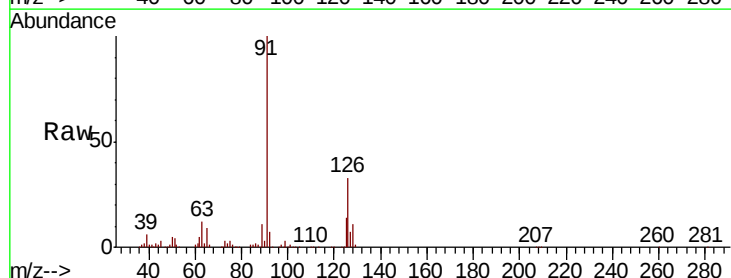
Manual Integrations
APPROVED

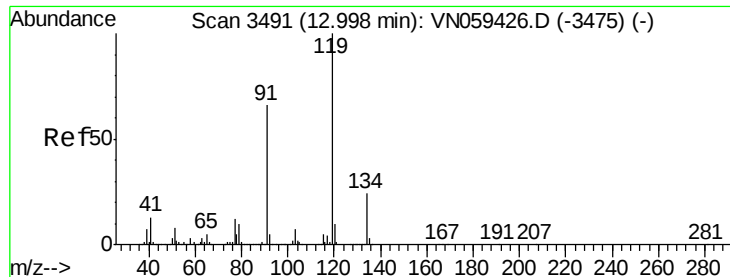
apatel
12/2/2019 10:08:53 AM



#82
4-Chlorotoluene
Concen: 33.990 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.0





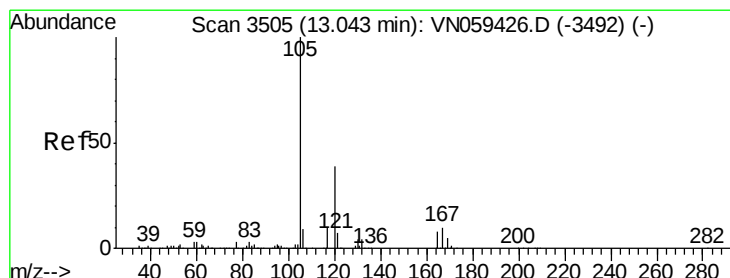
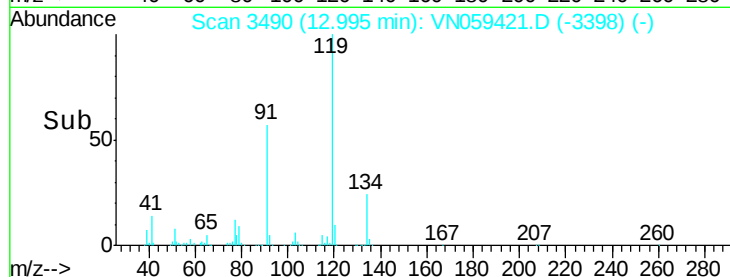
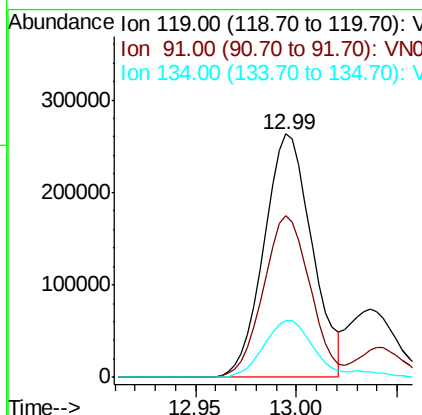
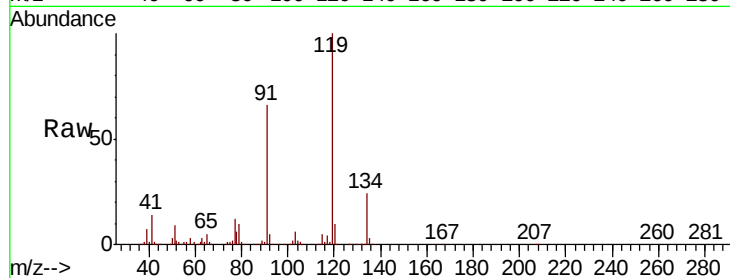
#83
tert-Butylbenzene
Concen: 34.096 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.8	98.4
134	25.7	12.9	38.6

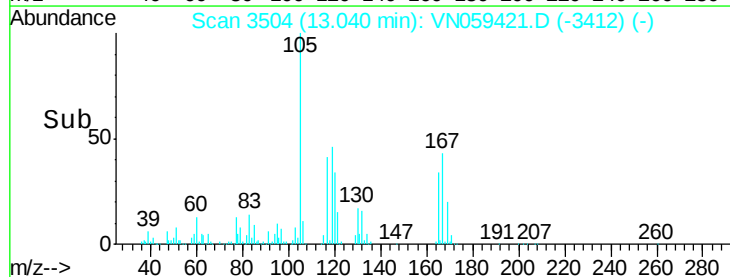
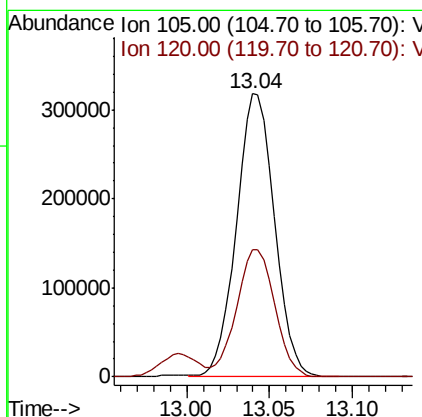
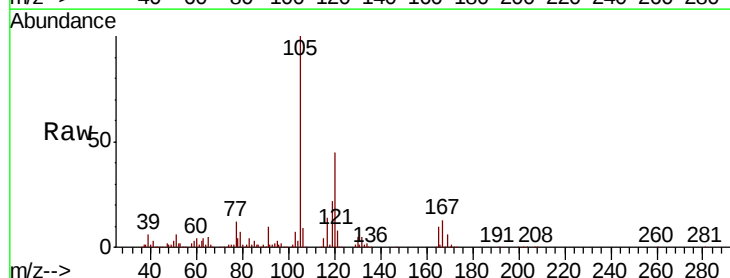
Manual Integrations
APPROVED

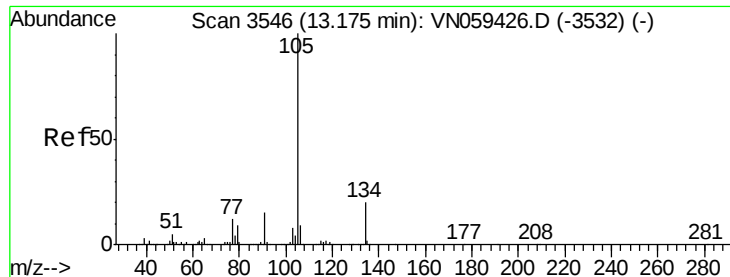
apatel
12/2/2019 10:08:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 34.755 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.7





#85

sec-Butylbenzene

Concen: 34.948 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

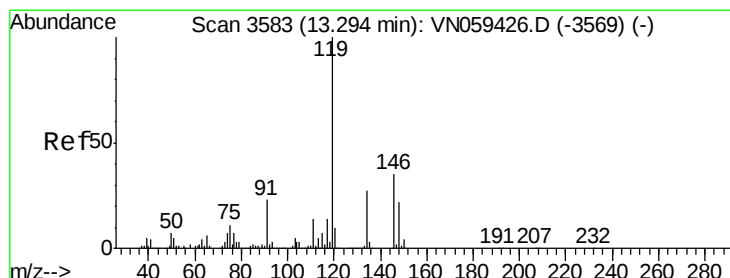
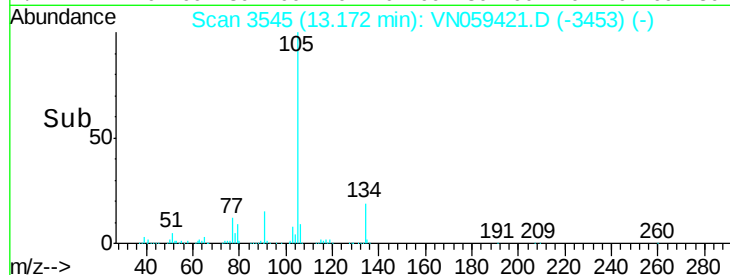
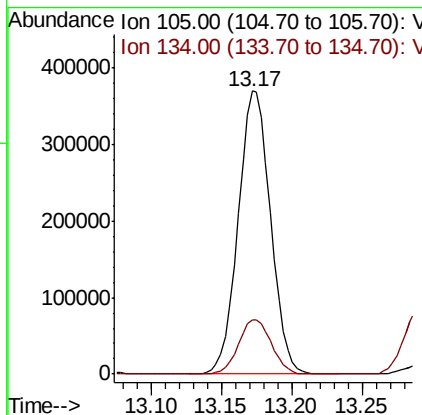
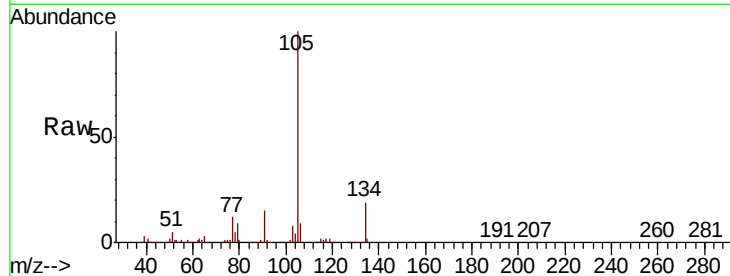
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#86

p-Isopropyltoluene

Concen: 34.363 ug/l

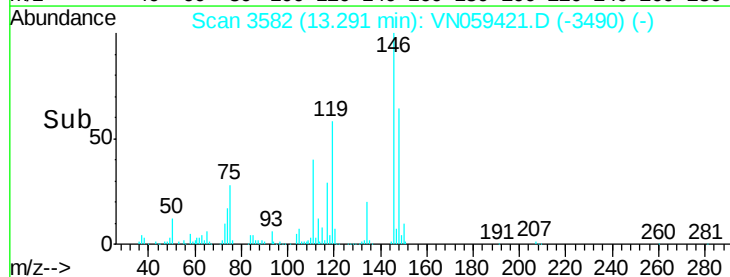
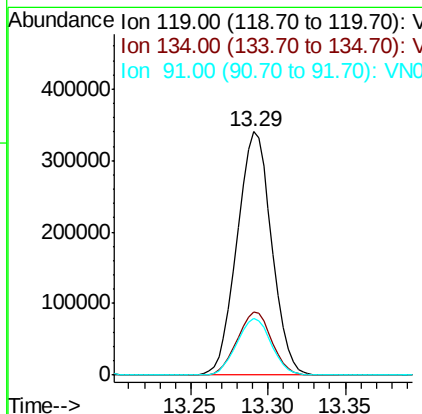
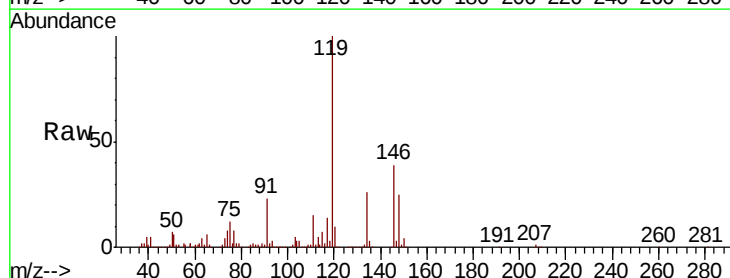
RT: 13.29 min Scan# 3582

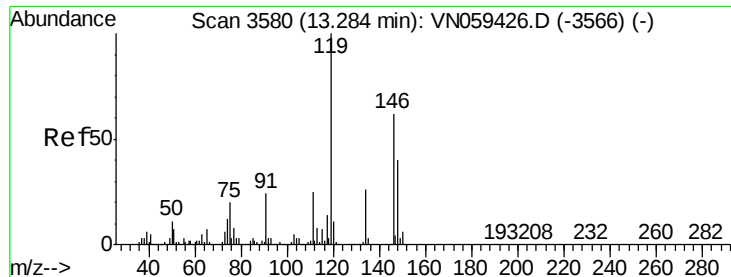
Delta R.T. -0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	23.2	11.5	34.4





#87

1,3-Dichlorobenzene

Concen: 33.835 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Instrument :

MSVOA_N

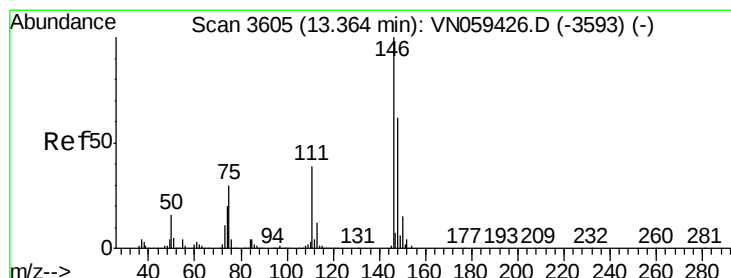
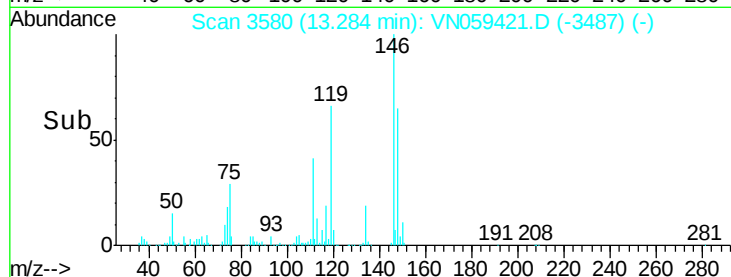
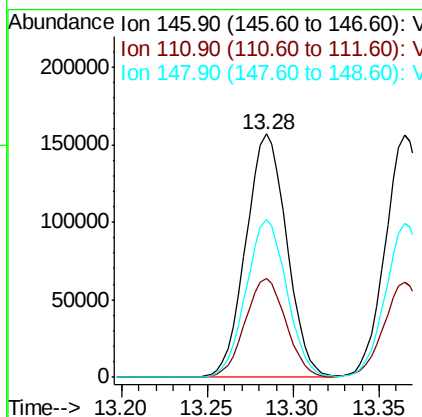
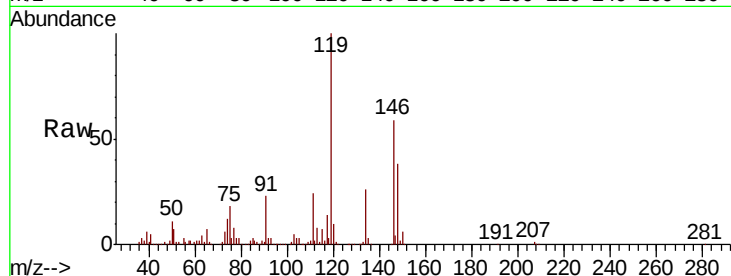
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	259893
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.4	61.2
148	64.3	32.1	96.3

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#88

1,4-Dichlorobenzene

Concen: 33.249 ug/l

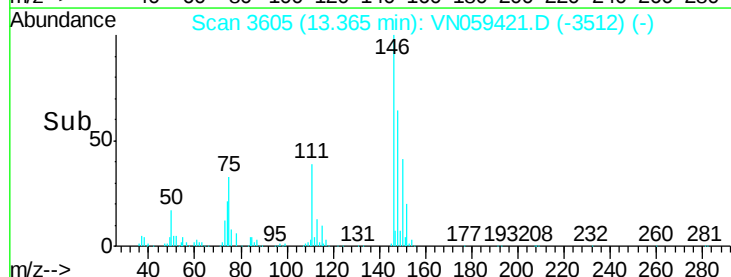
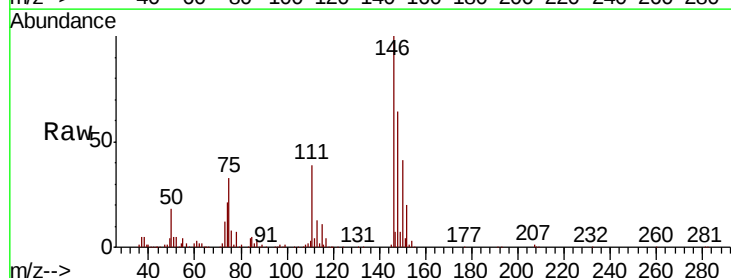
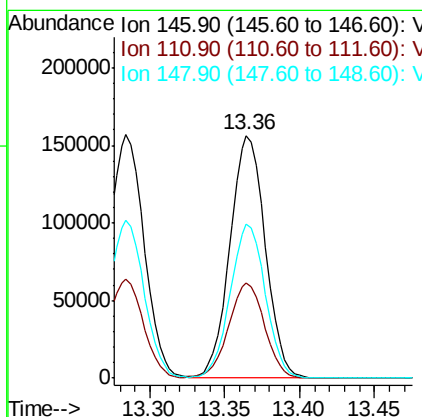
RT: 13.36 min Scan# 3605

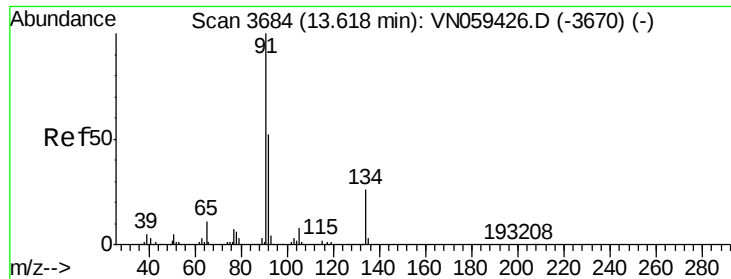
Delta R.T. 0.00 min

Lab File: VN059421.D

Acq: 27 Nov 2019 13:45

Tgt Ion:	146	Resp:	256398
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.9	59.7
148	63.2	31.6	95.0





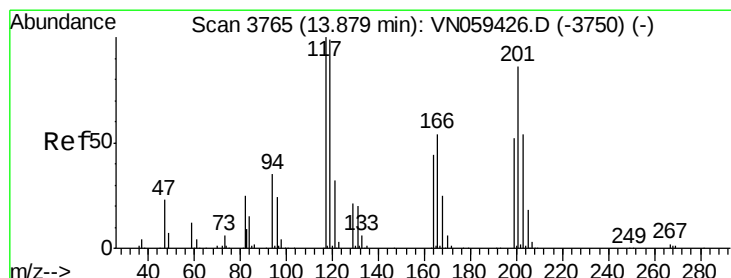
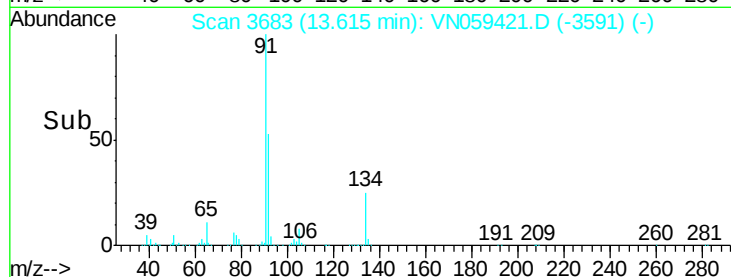
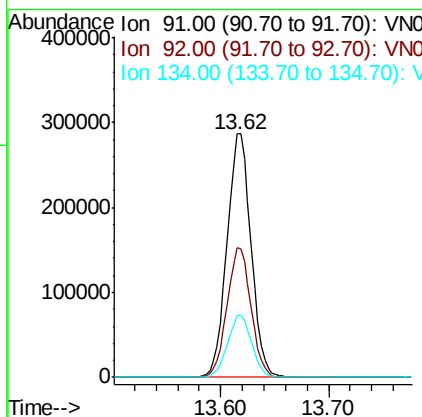
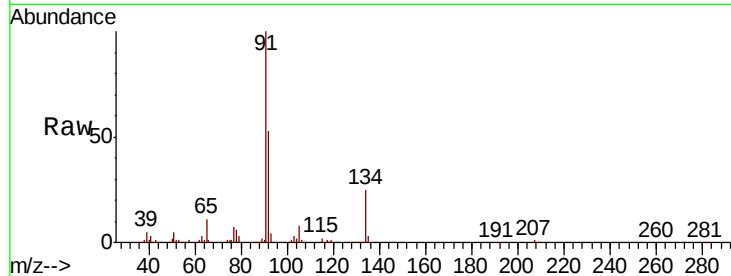
#89
n-Butylbenzene
Concen: 33.181 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.9	77.8
134	25.6	12.8	38.4

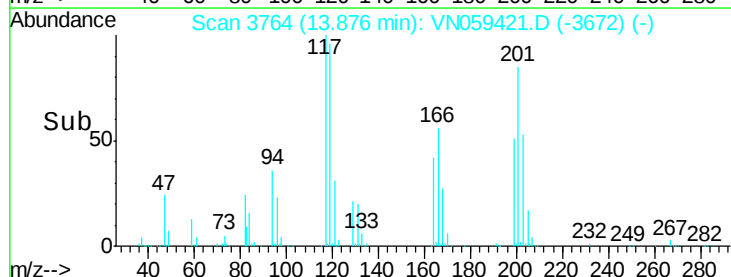
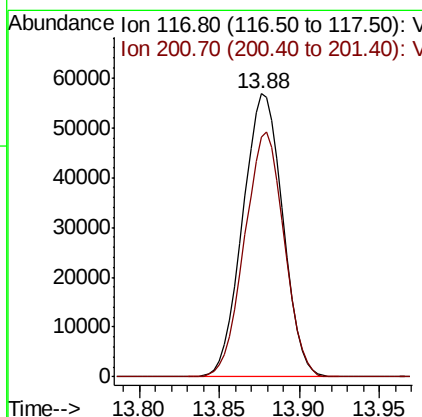
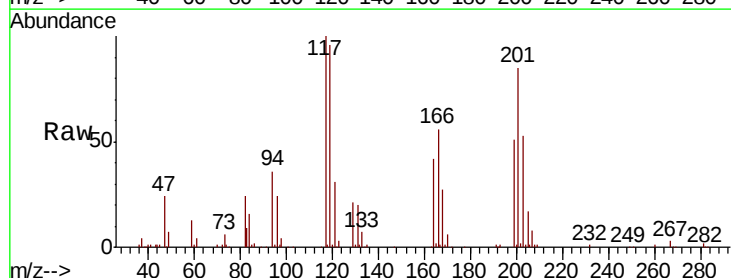
Manual Integrations
APPROVED

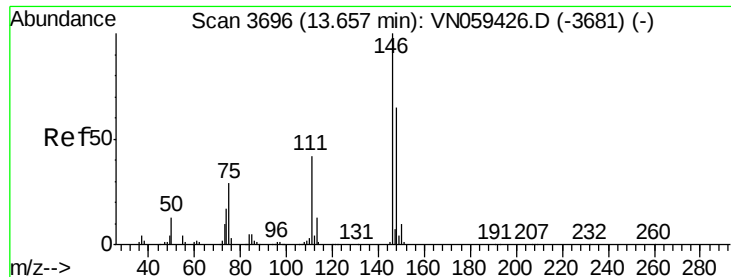
apatel
12/2/2019 10:08:53 AM



#90
Hexachloroethane
Concen: 33.239 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.1	126.4





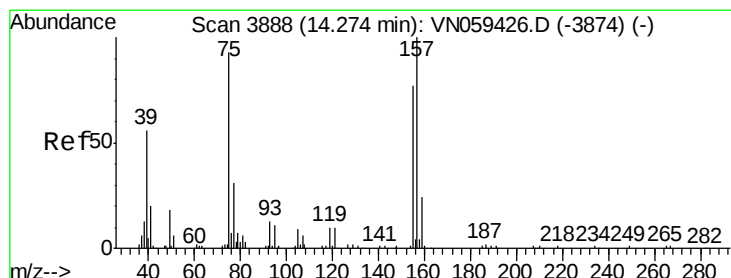
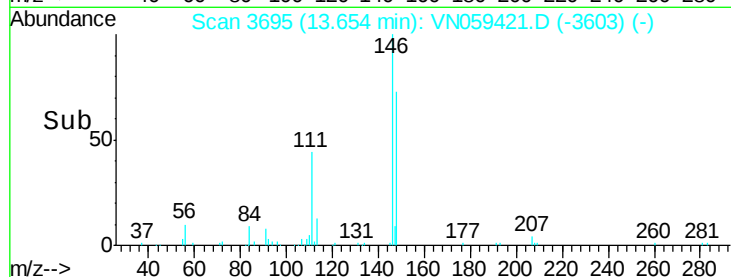
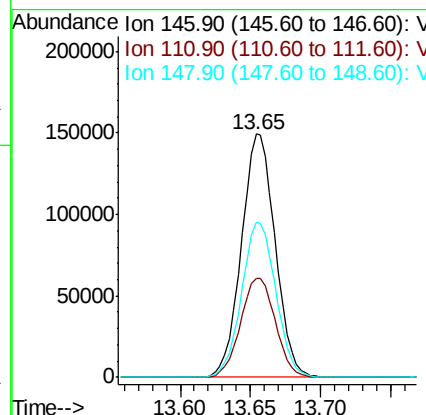
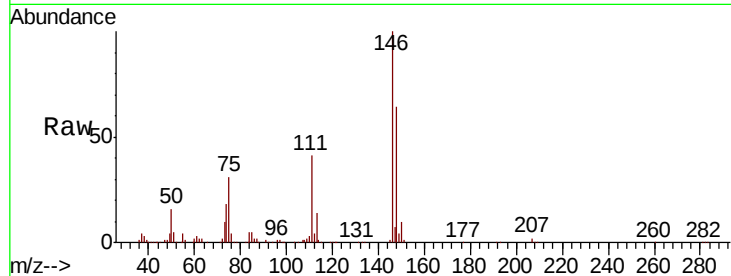
#91
 1,2-Dichlorobenzene
 Concen: 33.312 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	64.6	32.0	96.2

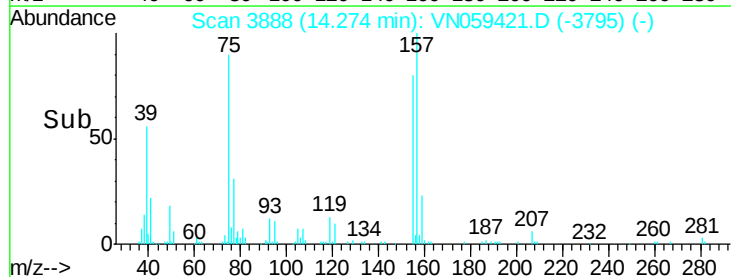
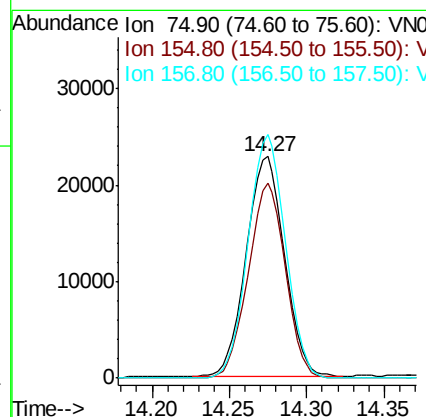
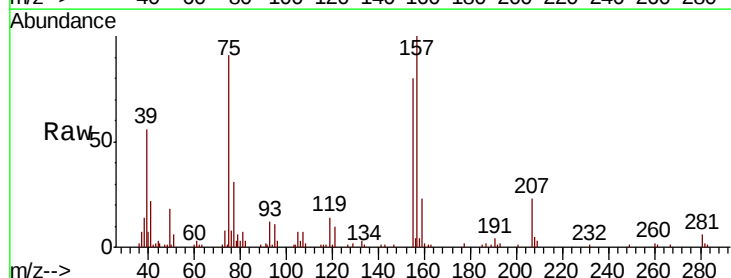
Manual Integrations
 APPROVED

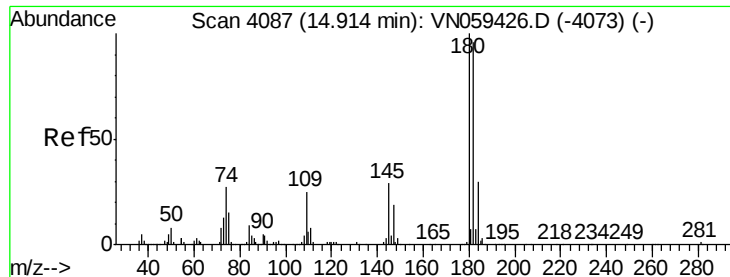
apatel
 12/2/2019 10:08:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.193 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.9	125.8
157	108.0	54.1	162.3





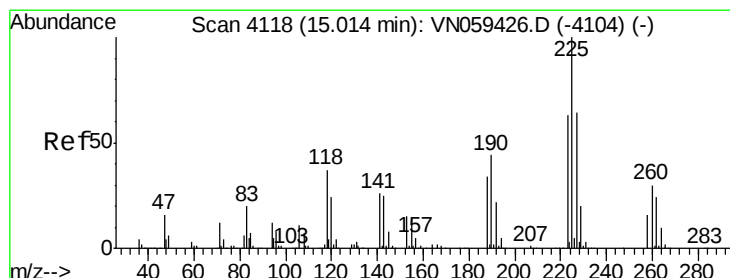
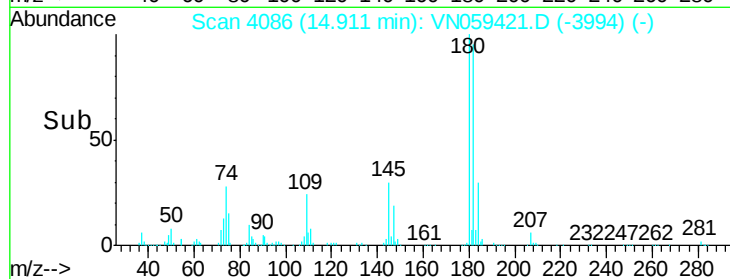
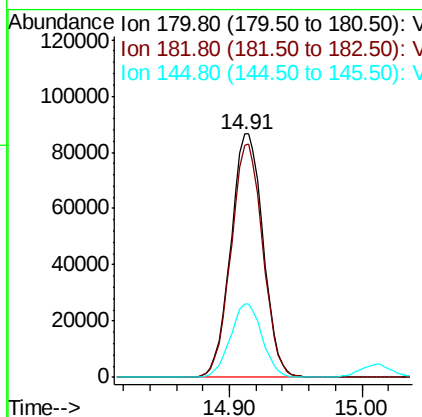
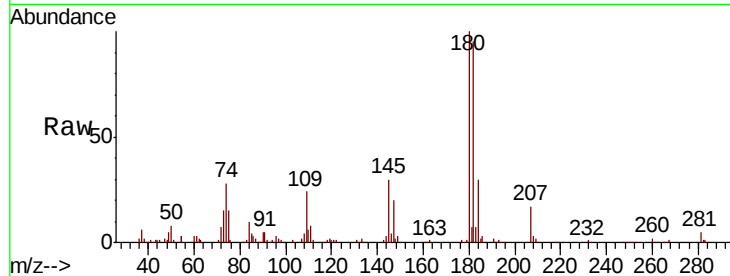
#93
 1,2,4-Trichlorobenzene
 Concen: 31.213 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146033		
182	94.3	47.3	142.0	
145	29.7	14.8	44.4	

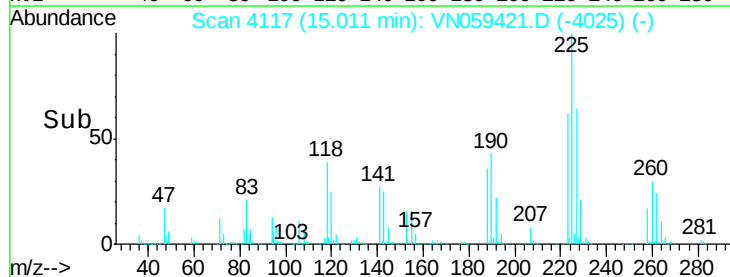
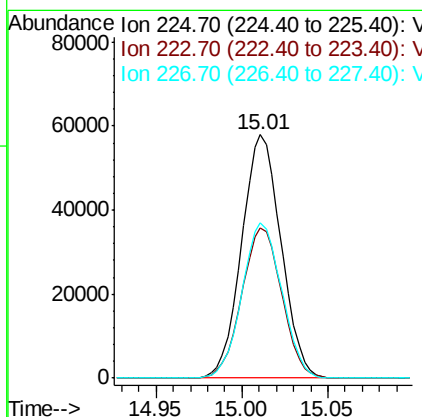
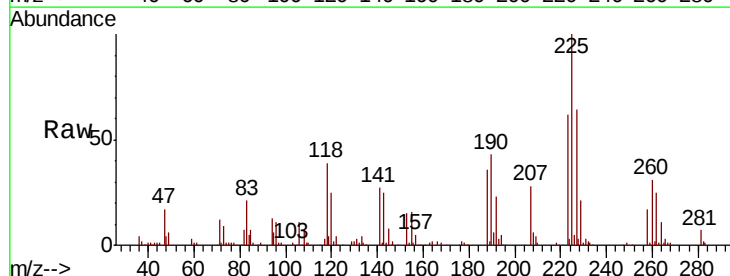
Manual Integrations
 APPROVED

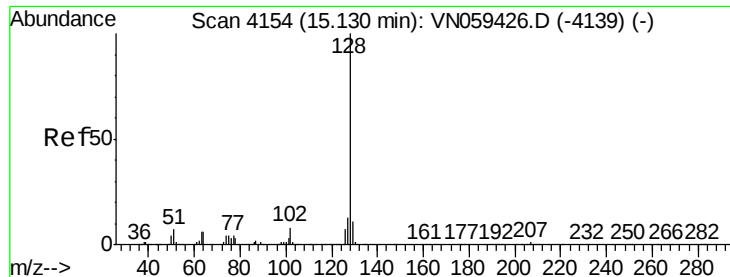
apatel
 12/2/2019 10:08:53 AM



#94
 Hexachlorobutadiene
 Concen: 32.139 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059421.D
 Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92150		
223	62.6	31.5	94.5	
227	64.4	31.9	95.7	





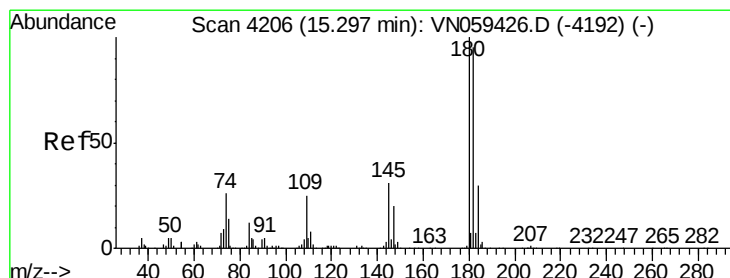
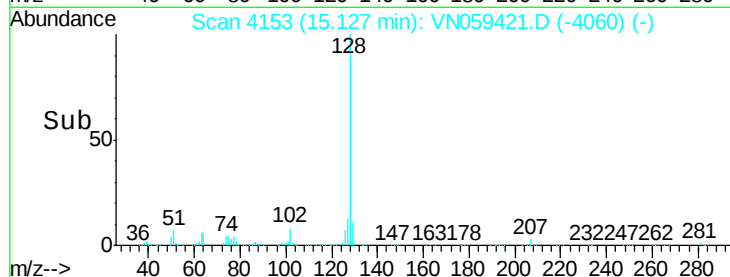
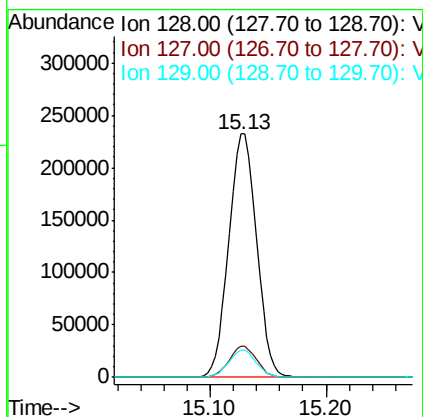
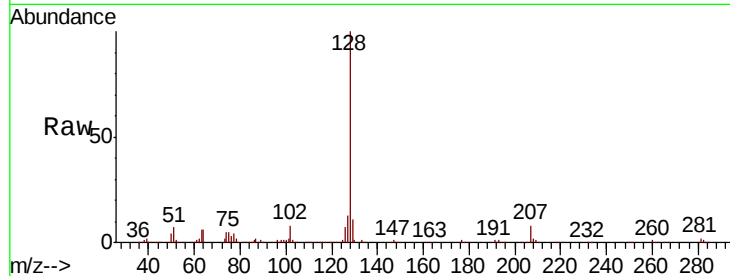
#95
Naphthalene
Concen: 38.456 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:08:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 38.310 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059421.D
Acq: 27 Nov 2019 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	31.8	15.7	47.1

