

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059599.D
 Acq On : 16 Dec 2019 13:38
 Operator : JC/SP
 Sample : VN1216WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:13 PM

Quant Time: Dec 17 08:00:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	259608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	417757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	375028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123907	32.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.60%	
35) Dibromofluoromethane	7.56	113	84597	32.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.72%	
50) Toluene-d8	10.08	98	331332	32.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.04%	
62) 4-Bromofluorobenzene	12.40	95	114881	30.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37600	11.208	ug/l	98
3) Chloromethane	2.04	50	59860	11.244	ug/l	99
4) Vinyl Chloride	2.17	62	57117	11.314	ug/l	99
5) Bromomethane	2.55	94	31134	10.609	ug/l	99
6) Chloroethane	2.68	64	33071	11.656	ug/l	98
7) Trichlorofluoromethane	3.00	101	65948	11.906	ug/l	99
8) Diethyl Ether	3.38	74	19953	11.529	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31495	11.283	ug/l	99
10) Methyl Iodide	3.92	142	40372	10.925	ug/l	99
11) Tert butyl alcohol	4.75	59	35637	51.456	ug/l	100
12) 1,1-Dichloroethene	3.71	96	29812	10.948	ug/l	97
13) Acrolein	3.58	56	22808	46.232	ug/l	94
14) Allyl chloride	4.29	41	59797	10.697	ug/l	98
15) Acrylonitrile	4.95	53	93915	56.061	ug/l	99
16) Acetone	3.79	43	106237	47.367	ug/l	99
17) Carbon Disulfide	4.02	76	97554	11.407	ug/l	99
18) Methyl Acetate	4.29	43	49774	10.591	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	107016	11.131	ug/l	99
20) Methylene Chloride	4.52	84	38323	11.831	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	33554	11.054	ug/l	98
22) Diisopropyl ether	5.92	45	115196	11.178	ug/l	93
23) Vinyl Acetate	5.86	43	478817	59.206	ug/l	99
24) 1,1-Dichloroethane	5.82	63	68443	11.725	ug/l	99
25) 2-Butanone	6.81	43	137015	51.087	ug/l	100
26) 2,2-Dichloropropane	6.79	77	58850	11.092	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	37818	11.243	ug/l	96
28) Bromochloromethane	7.17	49	35377	14.756	ug/l	100
29) Tetrahydrofuran	7.18	42	84691	51.827	ug/l	99
30) Chloroform	7.35	83	65874	11.464	ug/l	97
31) Cyclohexane	7.63	56	62662	11.360	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	58152	11.225	ug/l	100
36) 1,1-Dichloropropene	7.77	75	48702	11.179	ug/l	98
37) Ethyl Acetate	6.90	43	54534	10.770	ug/l	99
38) Carbon Tetrachloride	7.75	117	50255	11.117	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059599.D
 Acq On : 16 Dec 2019 13:38
 Operator : JC/SP
 Sample : VN1216WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1216WBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:13 PM

Quant Time: Dec 17 08:00:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	54705	11.070	ug/l	97
40) Benzene	8.02	78	146350	11.495	ug/l	98
41) Methacrylonitrile	7.14	41	19219	9.197	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57570	11.807	ug/l	100
43) Isopropyl Acetate	8.14	43	82705	10.506	ug/l #	92
44) Trichloroethene	8.82	130	37612	11.279	ug/l	99
45) 1,2-Dichloropropane	9.10	63	38577	11.221	ug/l	98
46) Dibromomethane	9.19	93	25130	11.157	ug/l	96
47) Bromodichloromethane	9.39	83	51795	11.534	ug/l	98
48) Methyl methacrylate	9.18	41	37387	10.468	ug/l	97
49) 1,4-Dioxane	9.18	88	11398	222.684	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	253868	54.087	ug/l	100
52) Toluene	10.14	92	86345	11.038	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57478	11.067	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	60899	11.155	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	34493	11.237	ug/l	99
56) Ethyl methacrylate	10.42	69	47373	10.395	ug/l	97
57) 1,3-Dichloropropane	10.70	76	59988	11.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	97218	67.078	ug/l	99
59) 2-Hexanone	10.74	43	190799	51.577	ug/l	99
60) Dibromochloromethane	10.89	129	37167	11.094	ug/l	99
61) 1,2-Dibromoethane	11.00	107	36129	11.098	ug/l	97
64) Tetrachloroethene	10.62	164	36281	10.378	ug/l	95
65) Chlorobenzene	11.43	112	91161	11.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	33594	10.899	ug/l	96
67) Ethyl Benzene	11.51	91	162140	11.070	ug/l	99
68) m/p-Xylenes	11.62	106	119056	22.012	ug/l	100
69) o-Xylene	11.94	106	56451	10.969	ug/l	99
70) Styrene	11.96	104	86847	10.503	ug/l	100
71) Bromoform	12.12	173	25143	10.852	ug/l #	97
73) Isopropylbenzene	12.25	105	151266	11.498	ug/l	99
74) N-amyl acetate	12.07	43	64583	10.702	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	47842	11.464	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	48437m	11.675	ug/l	
77) Bromobenzene	12.52	156	36861	11.393	ug/l	96
78) n-propylbenzene	12.59	91	176823	11.370	ug/l	100
79) 2-Chlorotoluene	12.67	91	106910	11.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	128093	11.505	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17117	10.190	ug/l	95
82) 4-Chlorotoluene	12.77	91	108949	11.315	ug/l	100
83) tert-Butylbenzene	12.99	119	105375	11.176	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	124093	11.209	ug/l	100
85) sec-Butylbenzene	13.17	105	141715	11.299	ug/l	99
86) p-Isopropyltoluene	13.29	119	126067	11.098	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	64716	10.878	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	64720	10.790	ug/l	97
89) n-Butylbenzene	13.62	91	112902	10.601	ug/l	100
90) Hexachloroethane	13.87	117	24440	11.383	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64130	10.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11691	11.262	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
Data File : VN059599.D
Acq On : 16 Dec 2019 13:38
Operator : JC/SP
Sample : VN1216WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

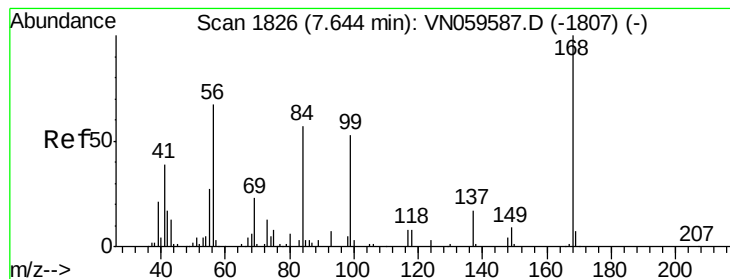
Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM

Quant Time: Dec 17 08:00:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37323	9.851	ug/l	98
94) Hexachlorobutadiene	15.01	225	21621	11.725	ug/l	98
95) Naphthalene	15.13	128	105863	9.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	37316	9.738	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion:168 Resp: 259608

Ion Ratio Lower Upper

168 100

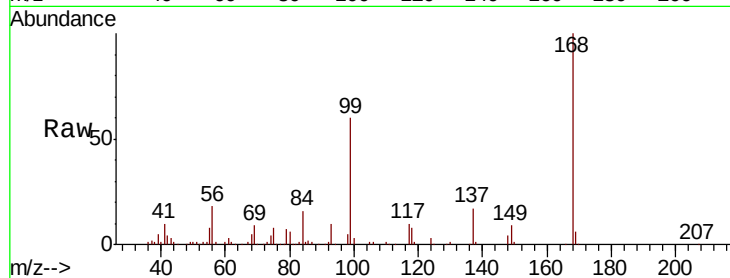
99 59.6 48.2 72.4

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

120000

100000

80000

60000

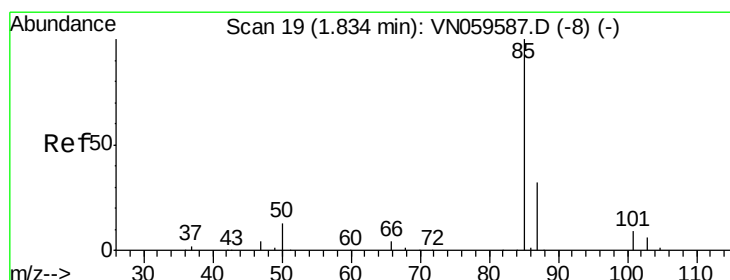
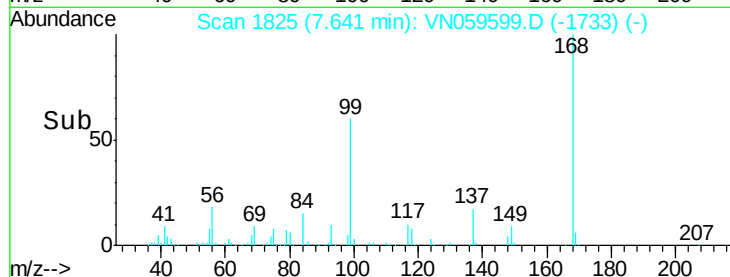
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 11.208 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059599.D

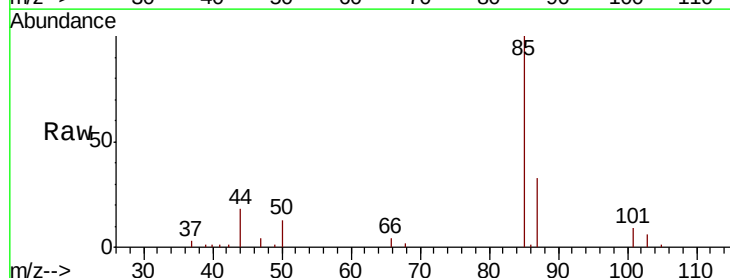
Acq: 16 Dec 2019 13:38

Tgt Ion: 85 Resp: 37600

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

30000

25000

20000

15000

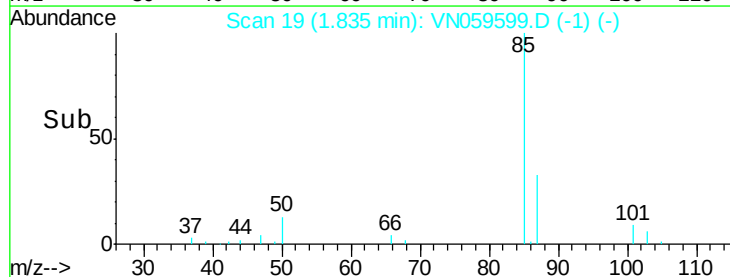
10000

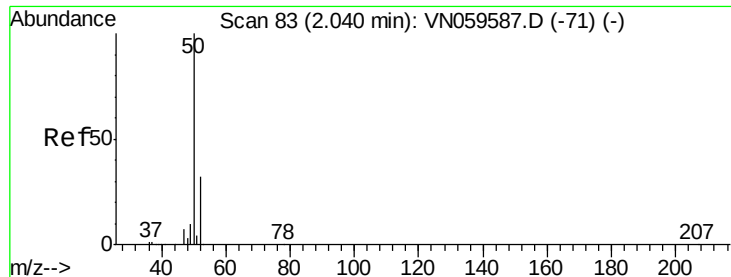
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 11.244 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 50 Resp: 59860

Ion Ratio Lower Upper

50 100

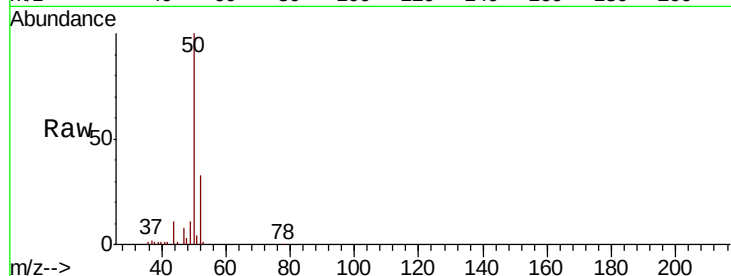
52 33.0 25.9 38.9

Manual Integrations

APPROVED

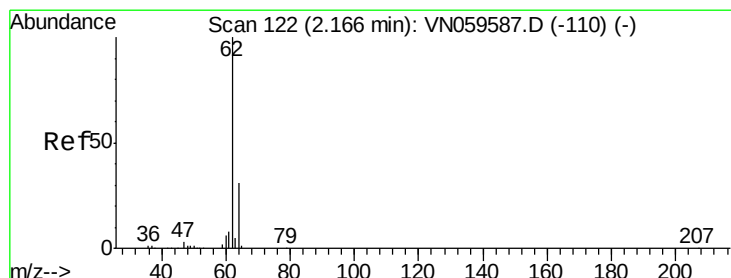
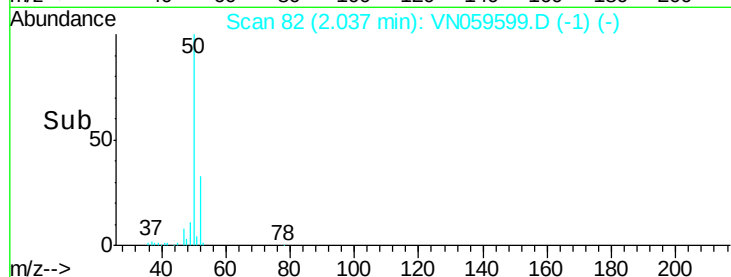
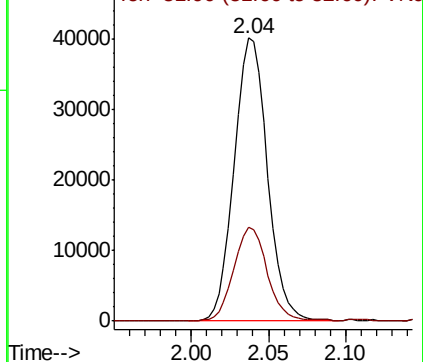
apatel

12/17/2019 12:51:13 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 11.314 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059599.D

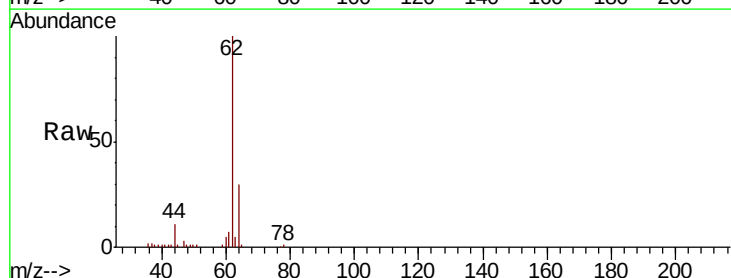
Acq: 16 Dec 2019 13:38

Tgt Ion: 62 Resp: 57117

Ion Ratio Lower Upper

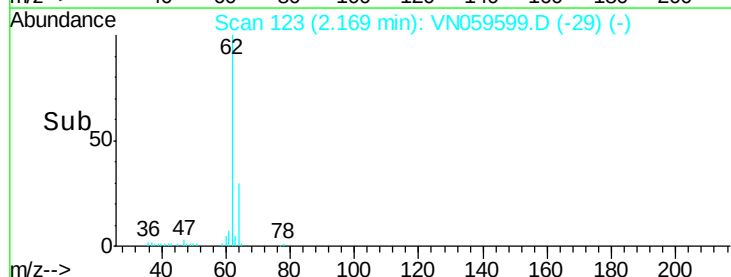
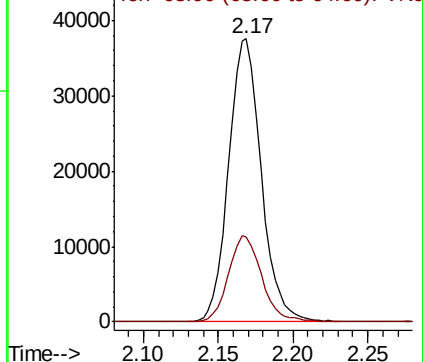
62 100

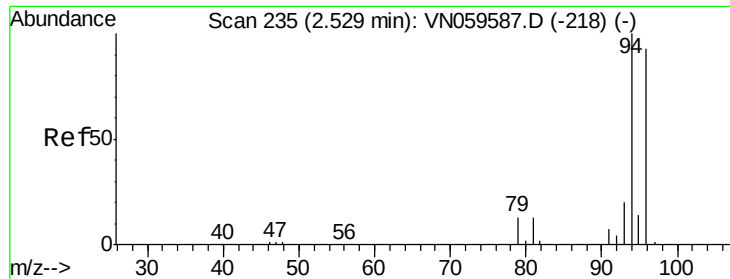
64 30.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 10.609 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 94 Resp: 31134

Ion Ratio Lower Upper

94 100

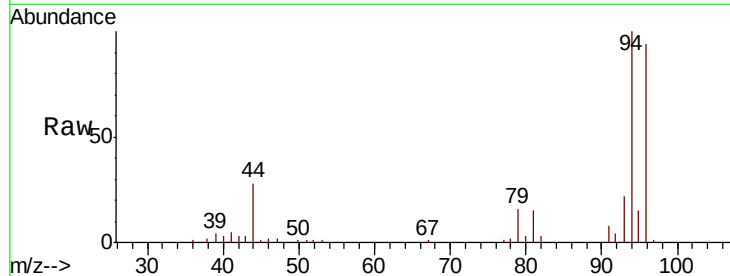
96 94.5 74.7 112.1

Manual Integrations

APPROVED

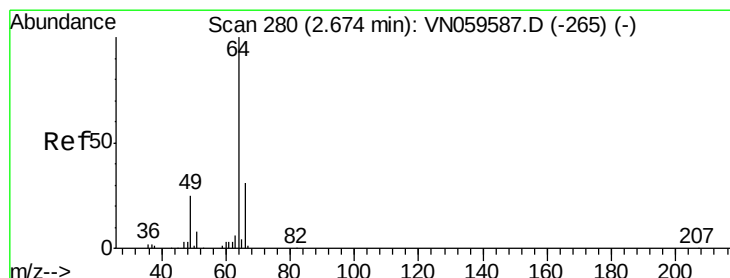
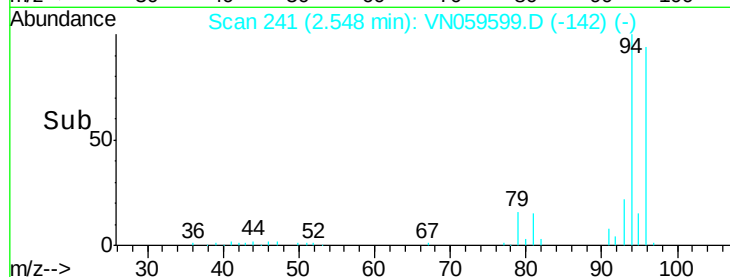
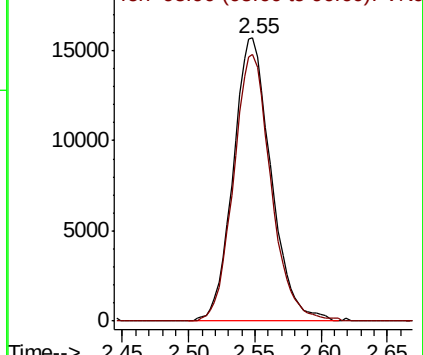
apatel

12/17/2019 12:51:13 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 11.656 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059599.D

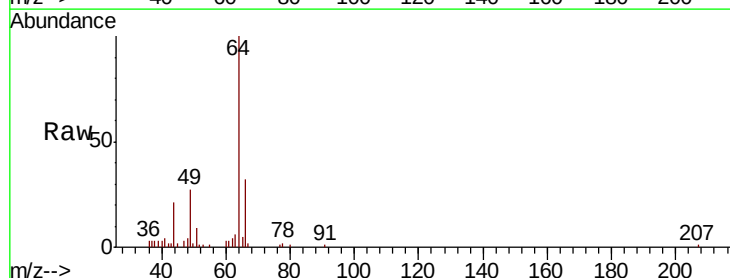
Acq: 16 Dec 2019 13:38

Tgt Ion: 64 Resp: 33071

Ion Ratio Lower Upper

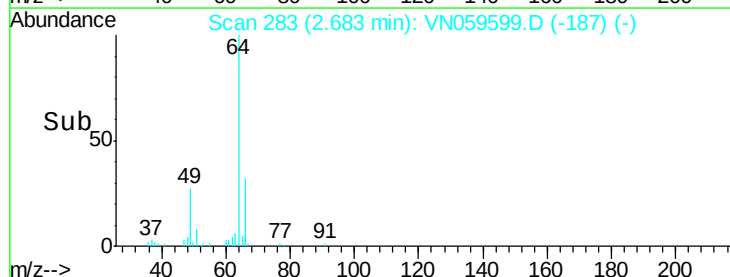
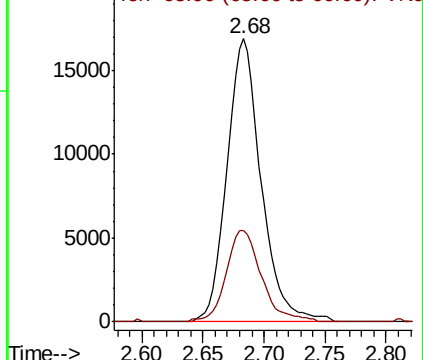
64 100

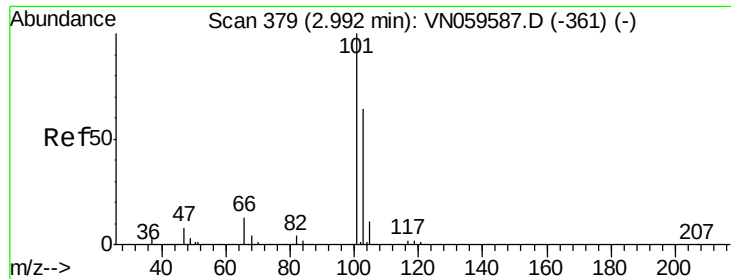
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

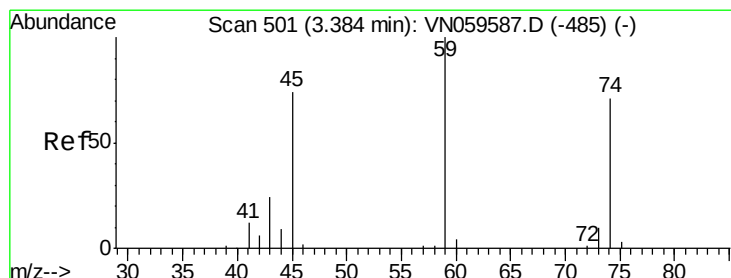
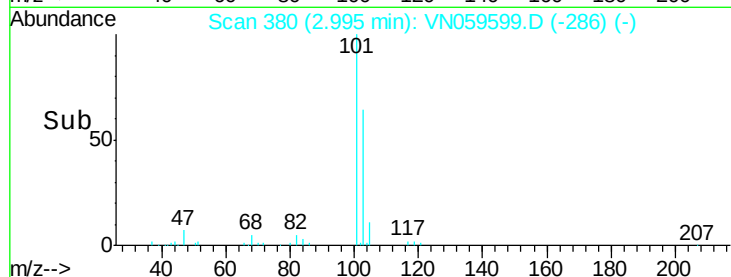
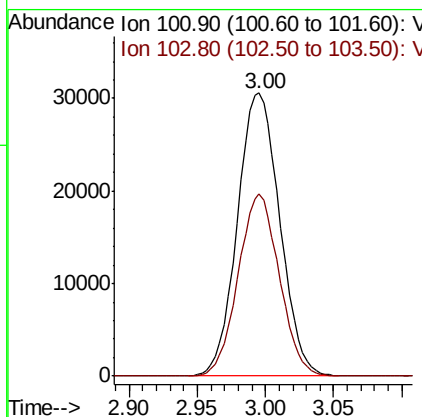
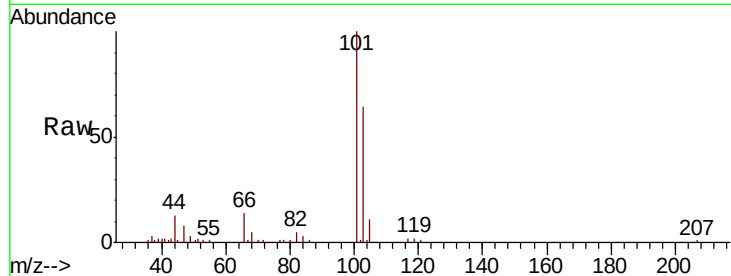
Trichlorofluoromethane
Concen: 11.906 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion:101 Resp: 65948
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

Manual Integrations
APPROVED

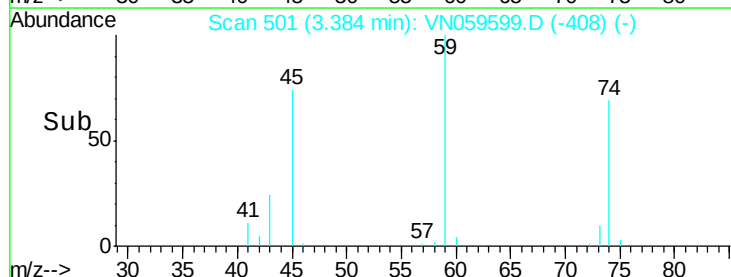
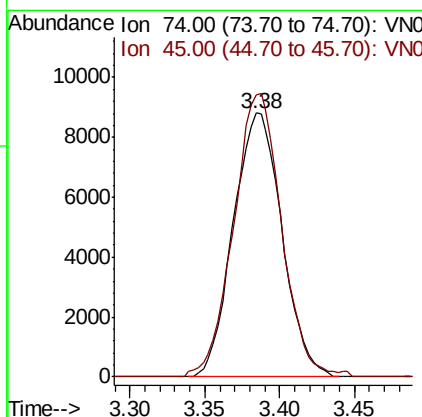
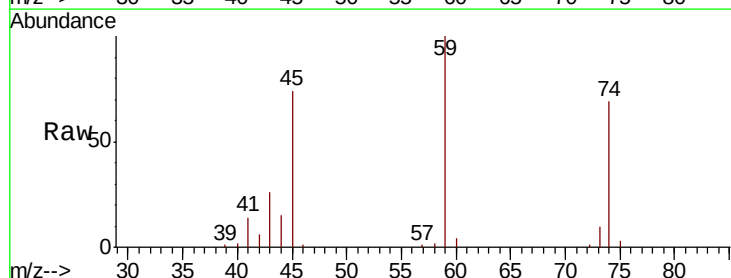
apatel
12/17/2019 12:51:13 PM

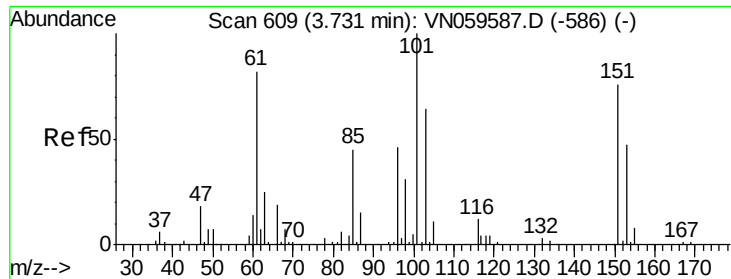


#8

Diethyl Ether
Concen: 11.529 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion: 74 Resp: 19953
Ion Ratio Lower Upper
74 100
45 105.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.283 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

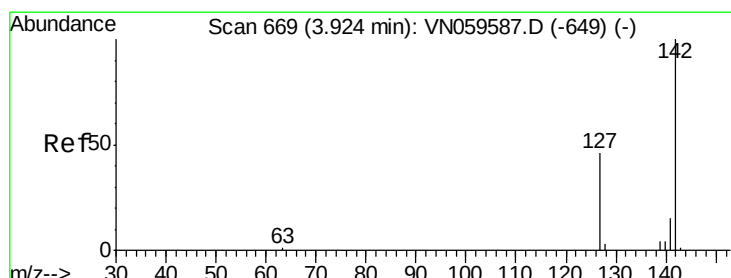
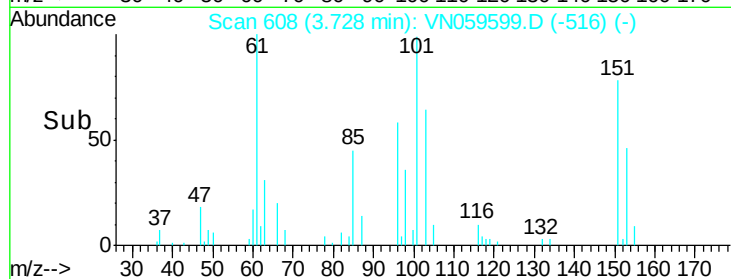
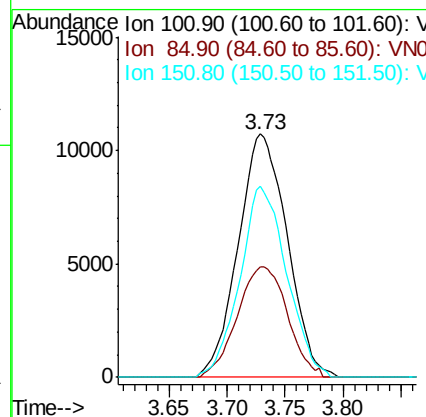
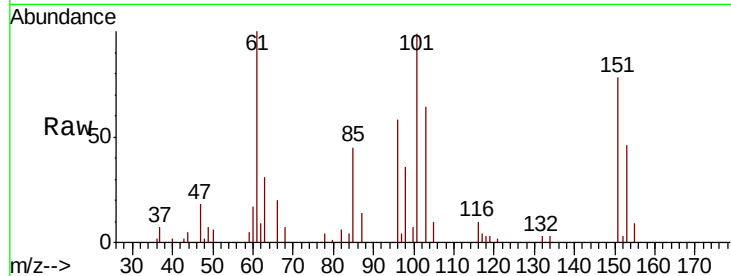
ClientSampleId :

VN1216WBS01

Tot Ion:	101	Resp:	31495
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	54.8
151	74.9	59.7	89.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#10

Methyl Iodide

Concen: 10.925 ug/l

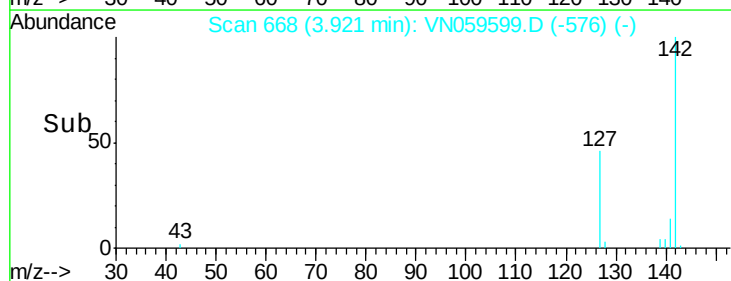
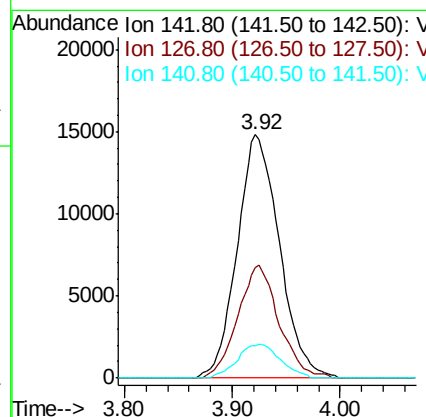
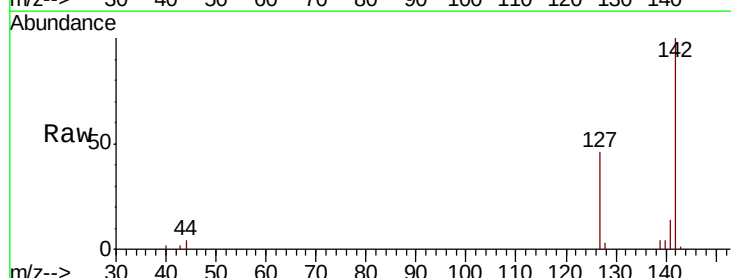
RT: 3.92 min Scan# 668

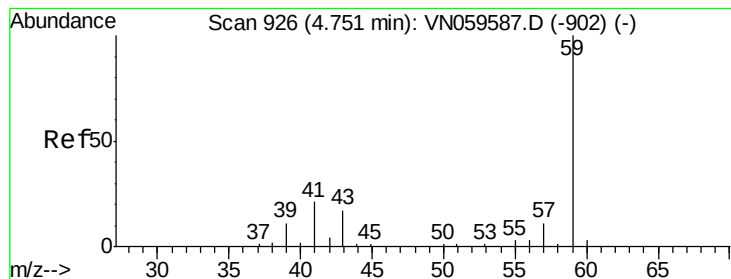
Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	142	Resp:	40372
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.7	55.1
141	14.1	11.7	17.5





#11

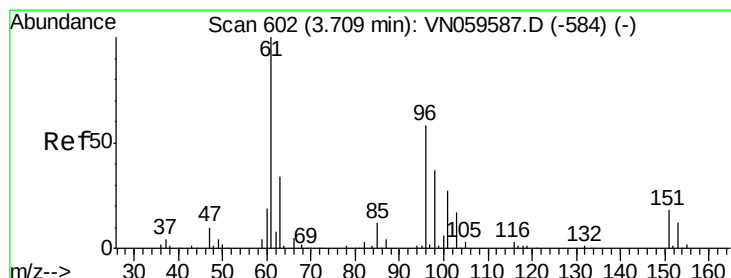
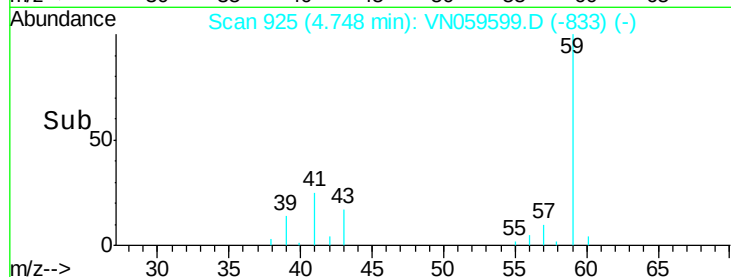
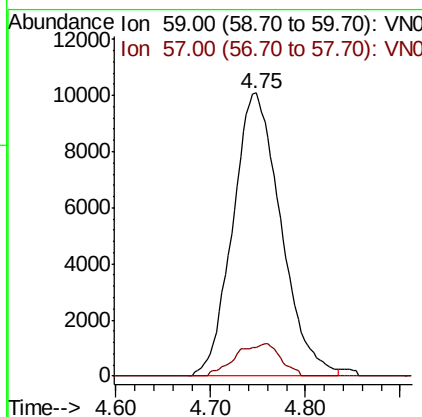
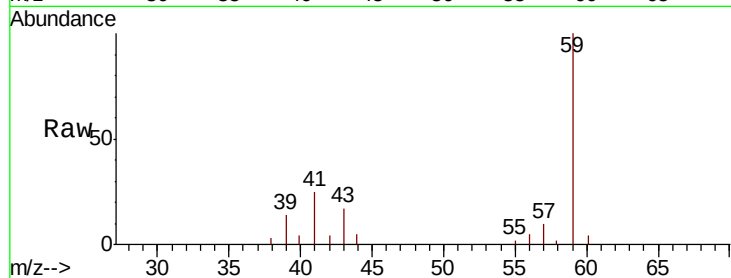
Tert butyl alcohol
 Concen: 51.456 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tot Ion	59	Resp	35637
Ion Ratio	100	Lower	Upper
57	10.7	8.6	12.8

Manual Integrations
 APPROVED

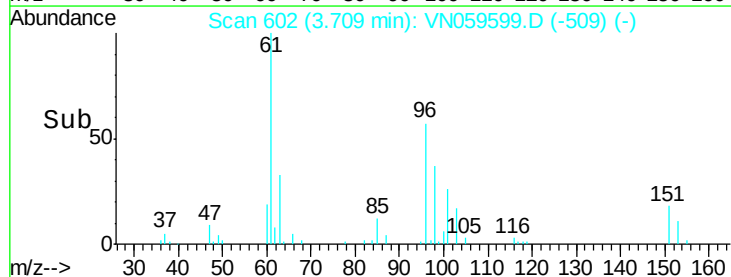
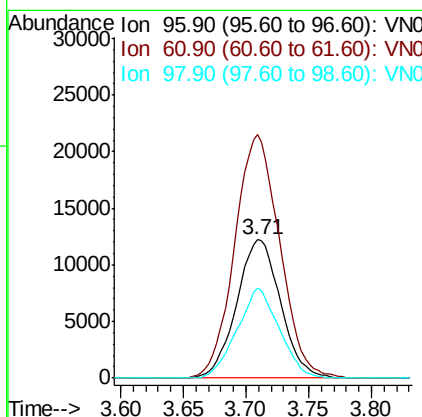
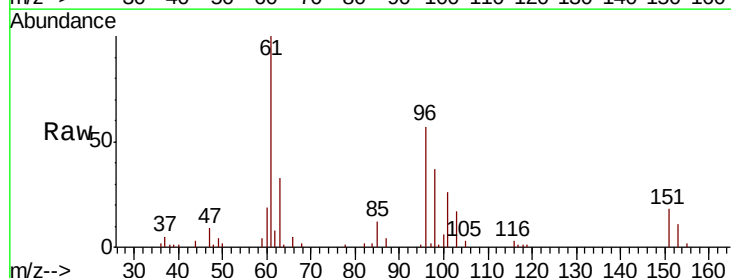
apatel
 12/17/2019 12:51:13 PM

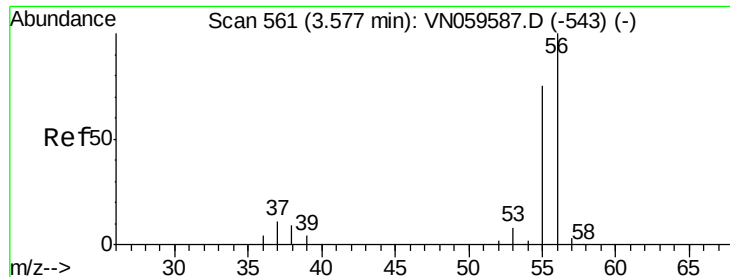


#12

1,1-Dichloroethene
 Concen: 10.948 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion	96	Resp	29812
Ion Ratio	100	Lower	Upper
61	176.2	137.5	206.3
98	65.2	50.2	75.4





#13

Acrolein

Concen: 46.232 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 56 Resp: 22808

Ion Ratio Lower Upper

56 100

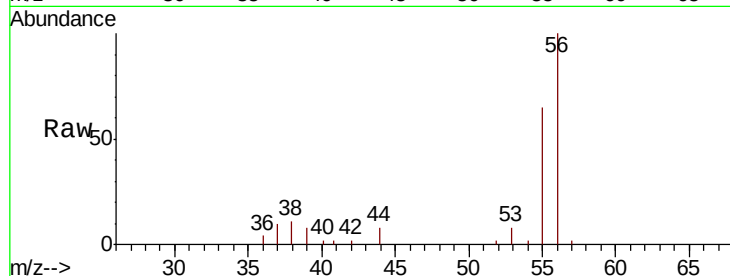
55 68.4 58.6 88.0

Manual Integrations

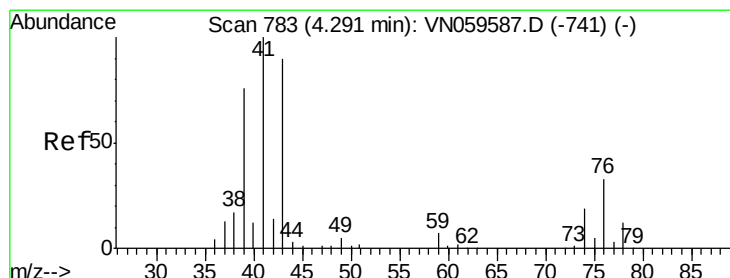
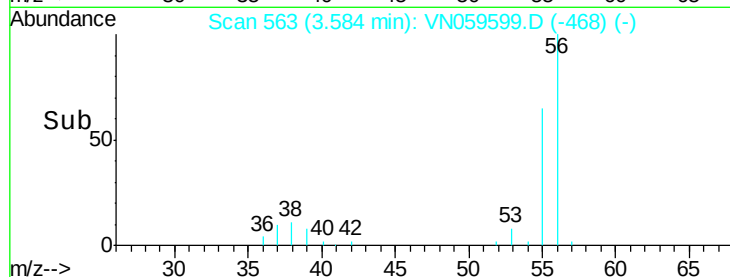
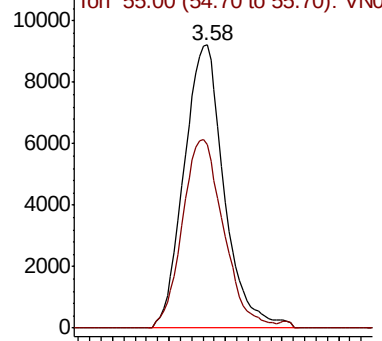
APPROVED

apatel

12/17/2019 12:51:13 PM



Abundance Ion 56.00 (55.70 to 56.70): VN059599.D (-468) (-)



#14

Allyl chloride

Concen: 10.697 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

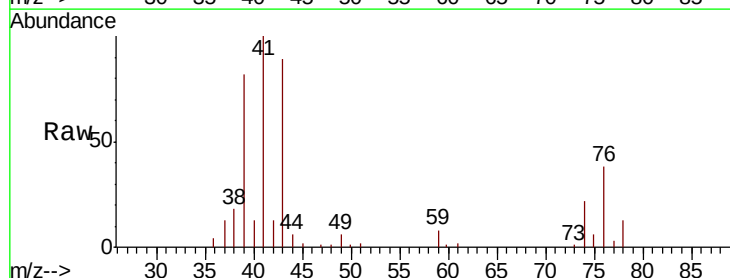
Tgt Ion: 41 Resp: 59797

Ion Ratio Lower Upper

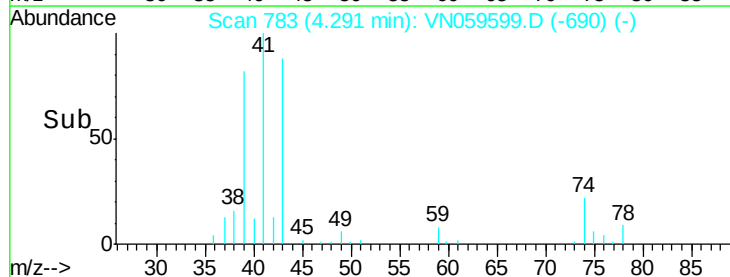
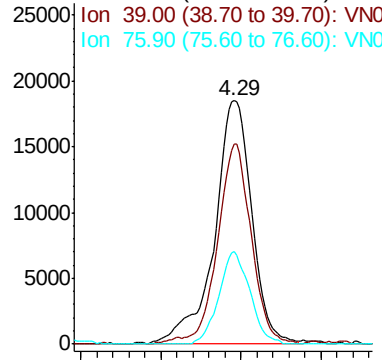
41 100

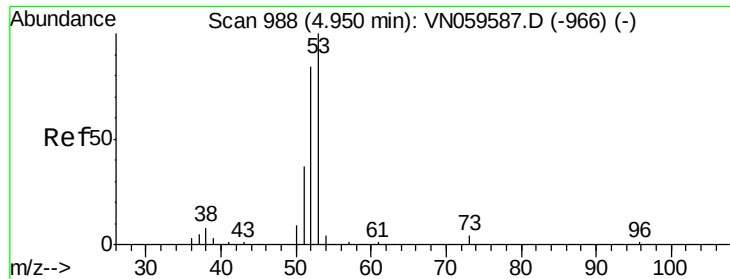
39 74.3 57.8 86.8

76 31.4 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN059599.D (-690) (-)





#15

Acrylonitrile

Concen: 56.061 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

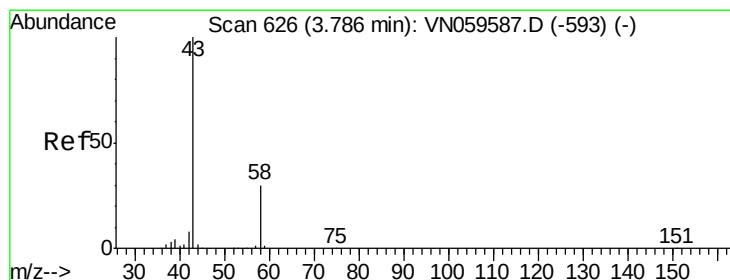
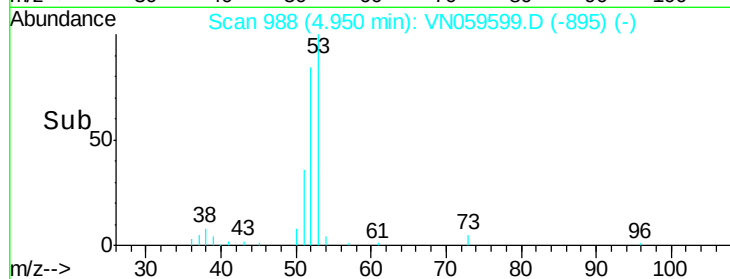
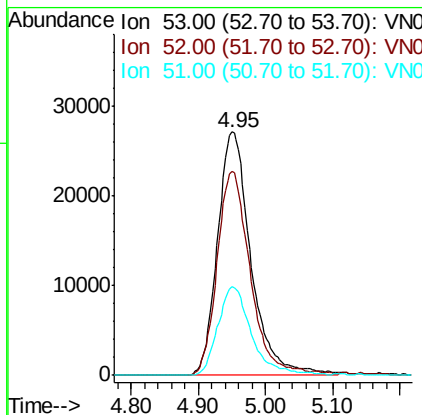
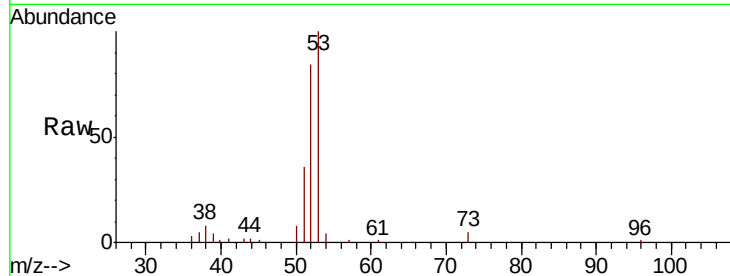
ClientSampleId :

VN1216WBS01

Tot Ion:	53	Resp:	93915
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.3	99.5
51	36.3	29.7	44.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#16

Acetone

Concen: 47.367 ug/l

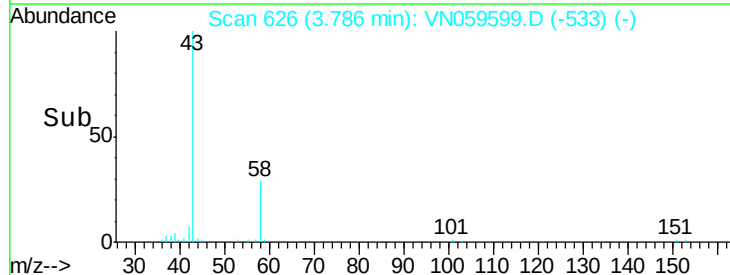
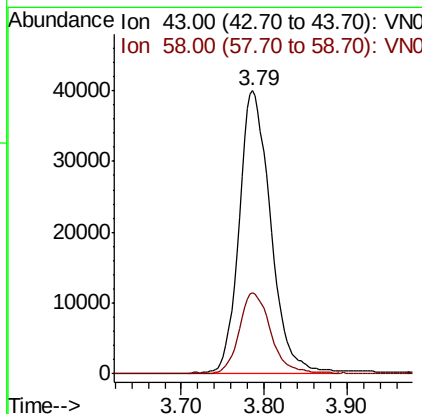
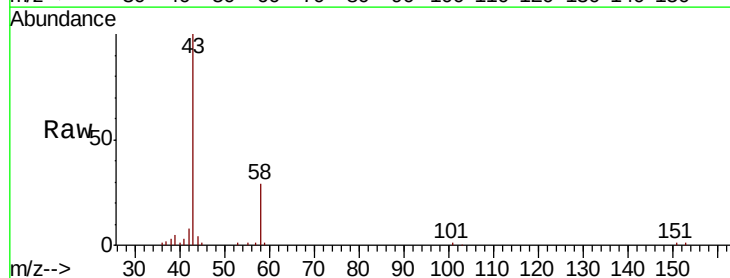
RT: 3.79 min Scan# 626

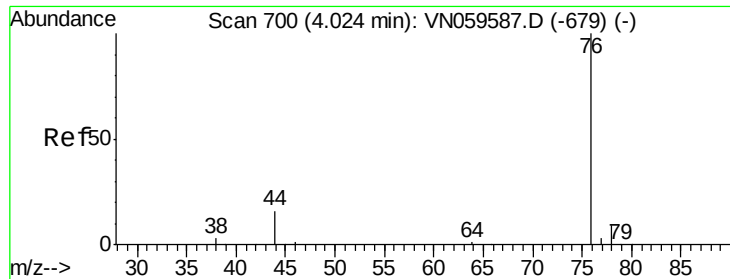
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	43	Resp:	106237
Ion Ratio	Lower	Upper	
43	100		
58	28.8	23.6	35.4





#17

Carbon Disulfide

Concen: 11.407 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 76 Resp: 97554

Ion Ratio Lower Upper

76 100

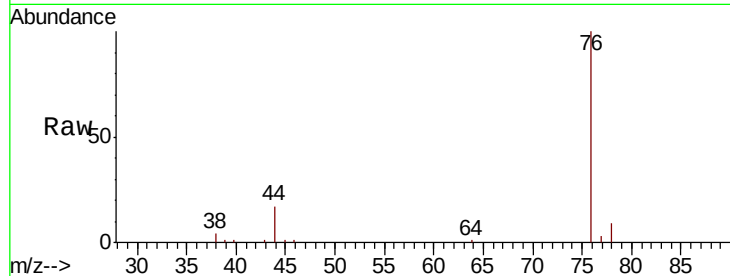
78 9.4 7.4 11.0

Manual Integrations

APPROVED

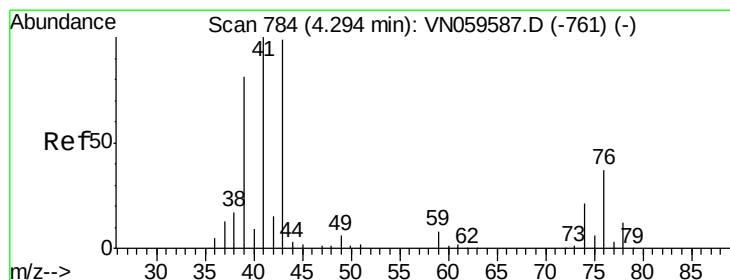
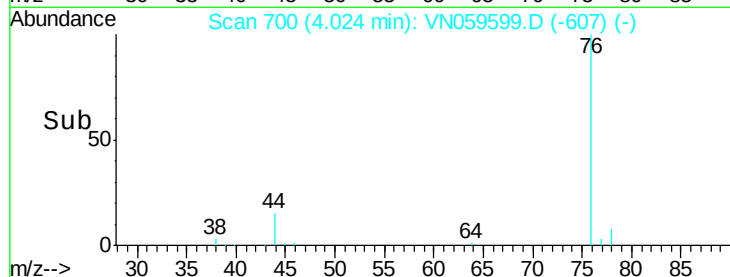
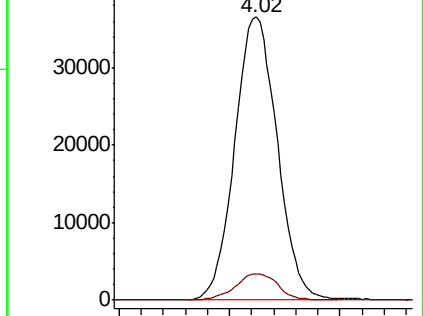
apatel

12/17/2019 12:51:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 10.591 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059599.D

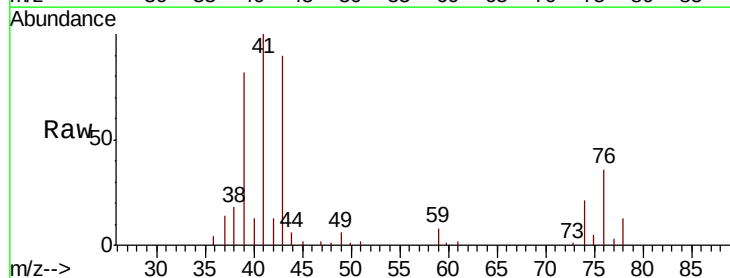
Acq: 16 Dec 2019 13:38

Tgt Ion: 43 Resp: 49774

Ion Ratio Lower Upper

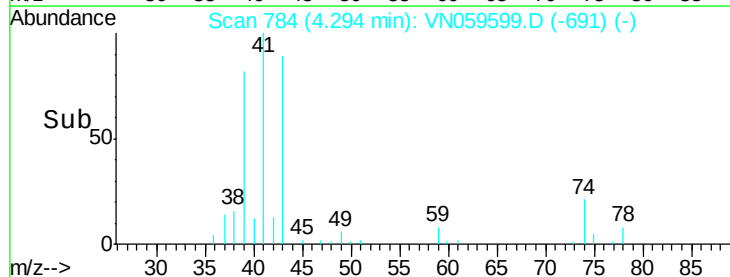
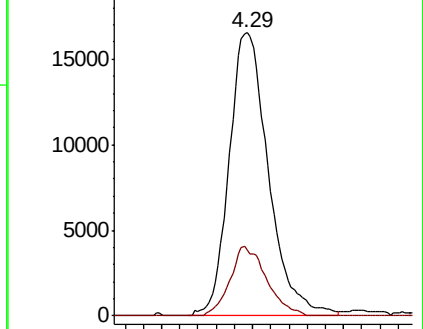
43 100

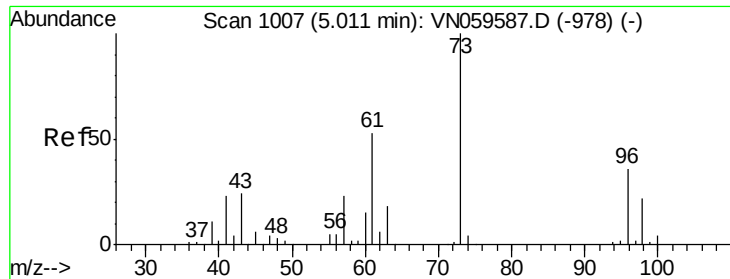
74 22.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





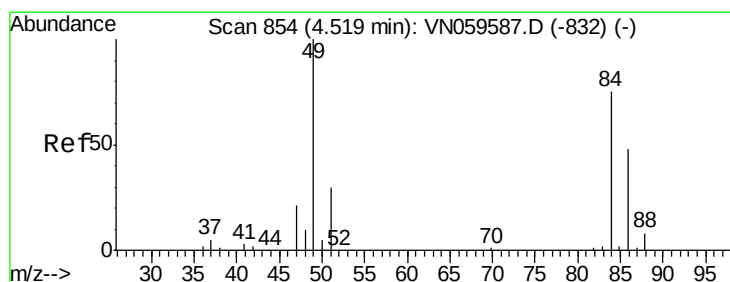
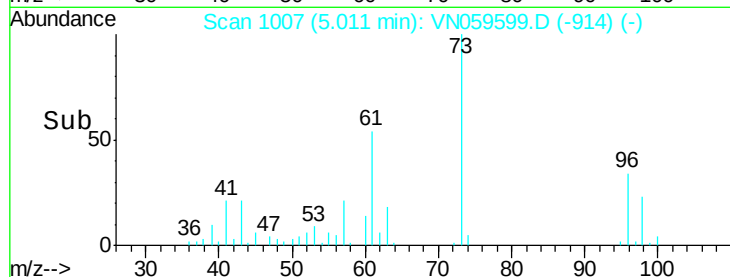
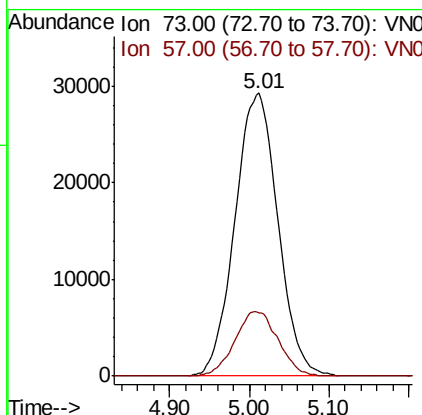
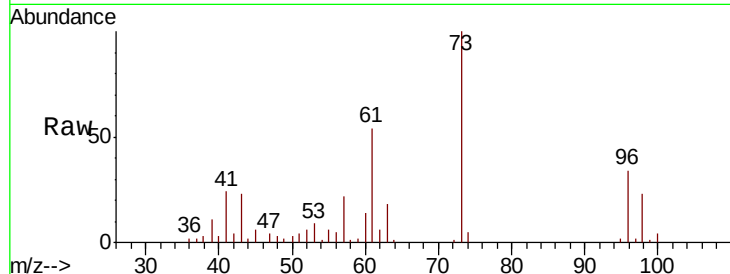
#19
Methyl tert-butyl Ether
Concen: 11.131 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion: 73 Resp: 107016
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8

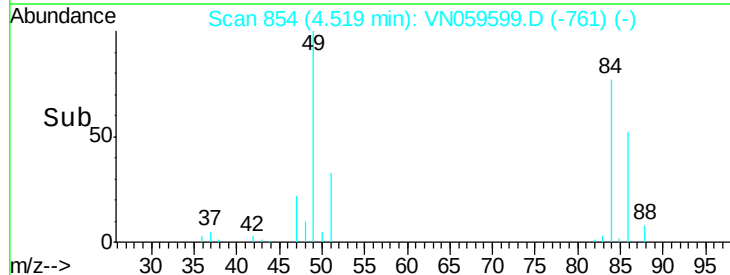
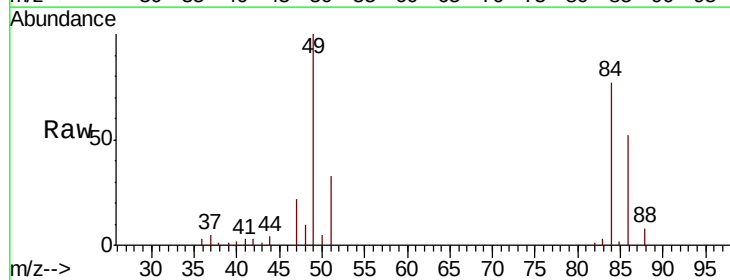
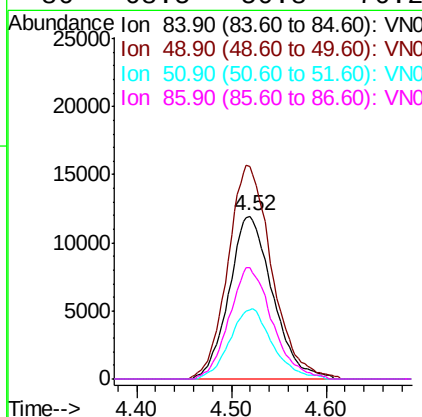
Manual Integrations
APPROVED

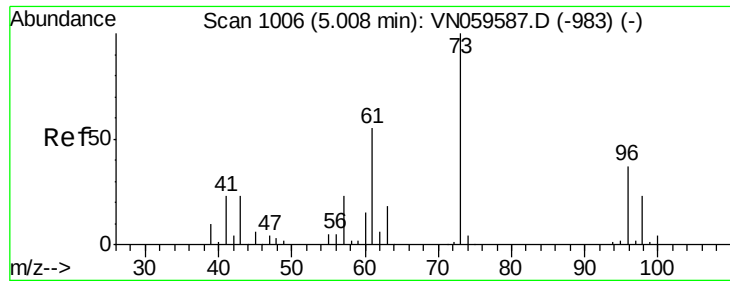
apatel
12/17/2019 12:51:13 PM



#20
Methylene Chloride
Concen: 11.831 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion: 84 Resp: 38323
Ion Ratio Lower Upper
84 100
49 130.7 106.6 160.0
51 42.5 31.9 47.9
86 68.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 11.054 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

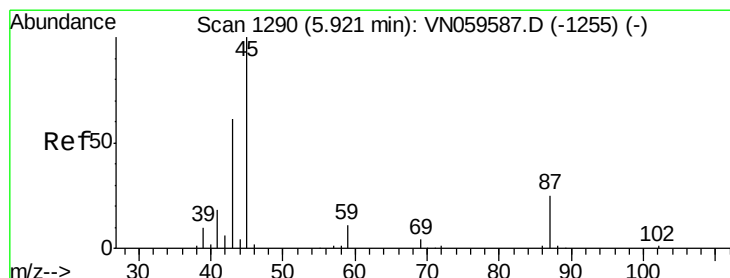
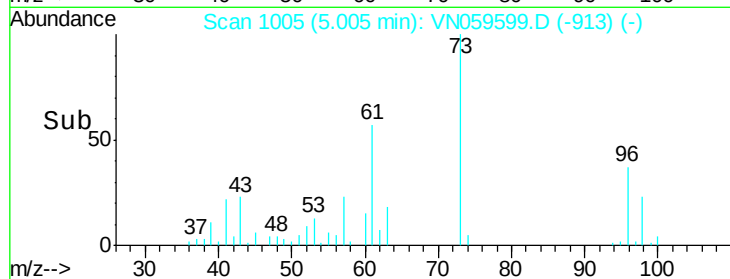
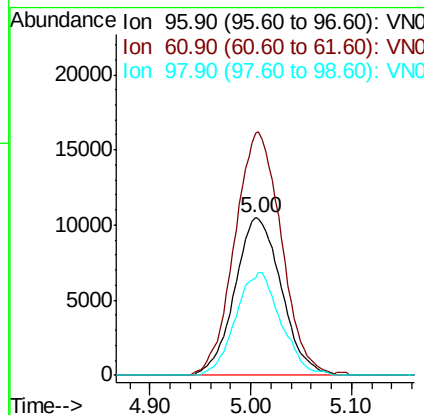
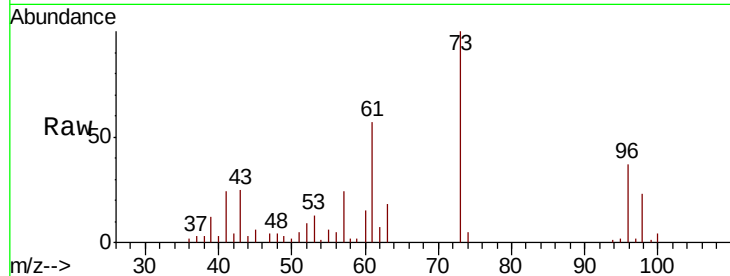
ClientSampleId :

VN1216WBS01

Tot Ion:	96	Resp:	33554
Ion	Ratio	Lower	Upper
96	100		
61	153.8	120.4	180.6
98	62.1	50.6	75.8

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#22

Diisopropyl ether

Concen: 11.178 ug/l

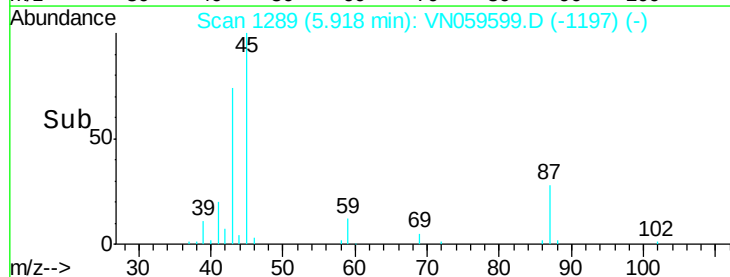
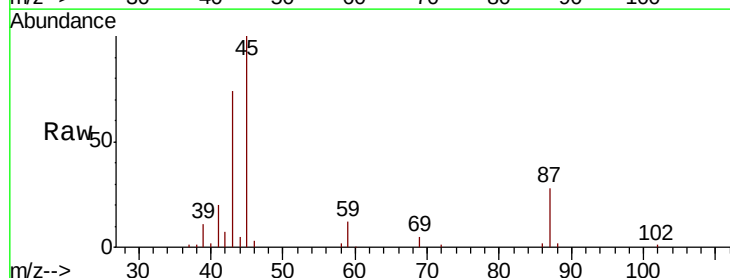
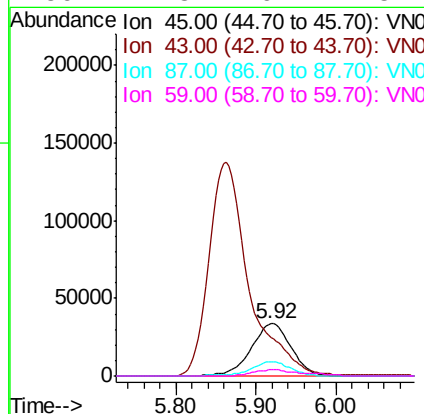
RT: 5.92 min Scan# 1289

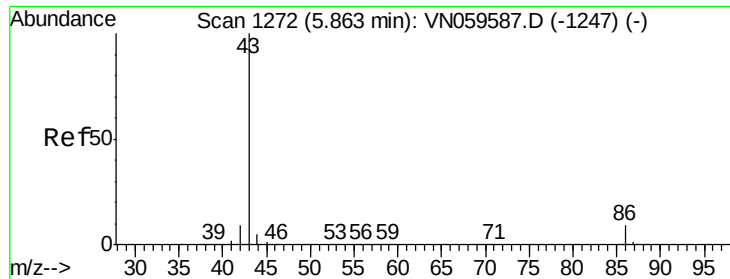
Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	45	Resp:	115196
Ion	Ratio	Lower	Upper
45	100		
43	71.2	50.8	76.2
87	27.7	21.0	31.6
59	11.8	9.1	13.7





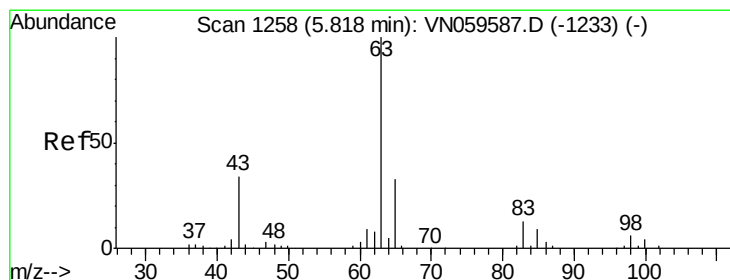
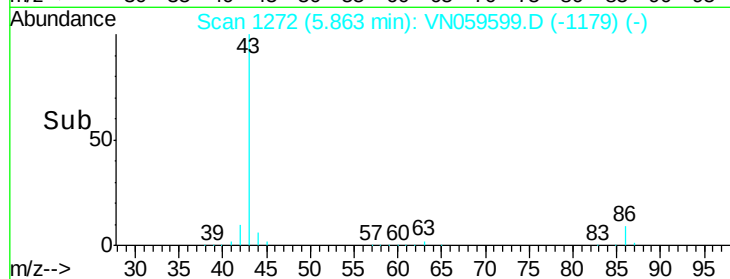
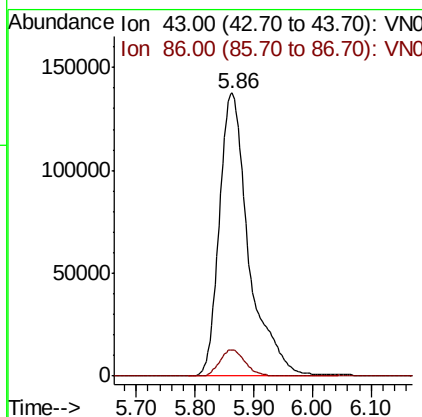
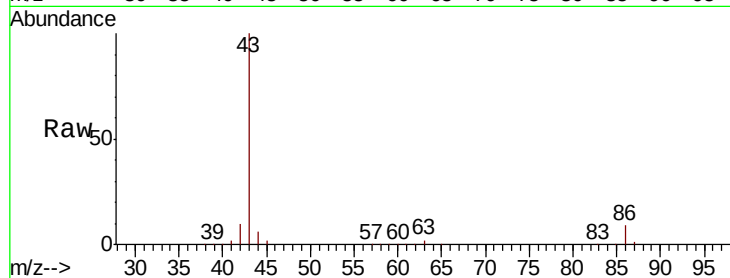
#23
 Vinyl Acetate
 Concen: 59.206 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tot Ion	43	Resp	478817
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.6	11.4

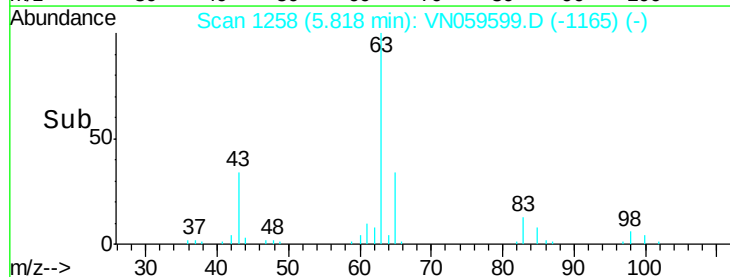
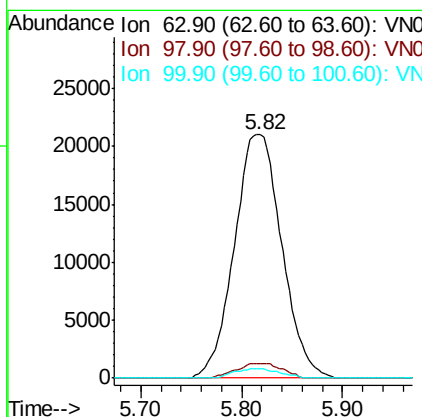
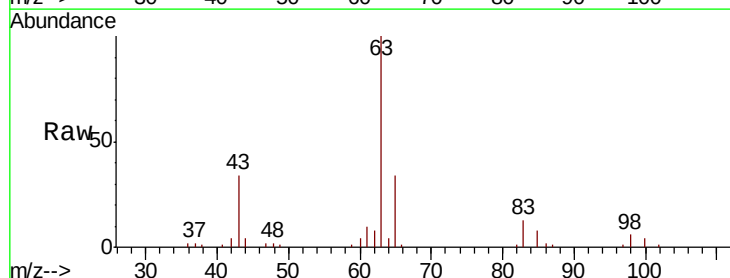
Manual Integrations
 APPROVED

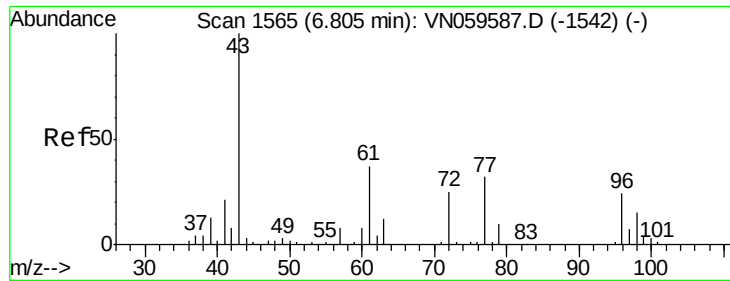
apatel
 12/17/2019 12:51:13 PM



#24
 1,1-Dichloroethane
 Concen: 11.725 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion	63	Resp	68443
Ion Ratio	100	Lower	Upper
63	100		
98	5.7	2.9	8.7
100	3.6	2.0	6.0





#25

2-Butanone

Concen: 51.087 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1216WBS01

Tot Ion: 43 Resp: 137015

Ion Ratio Lower Upper

43 100

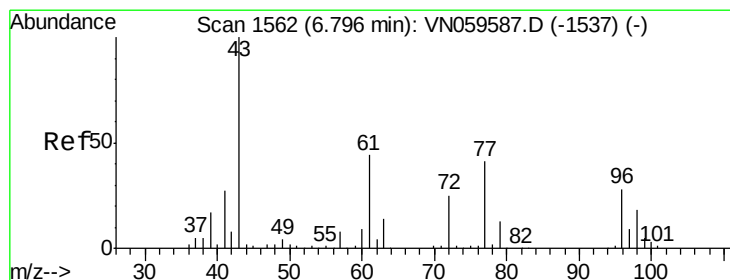
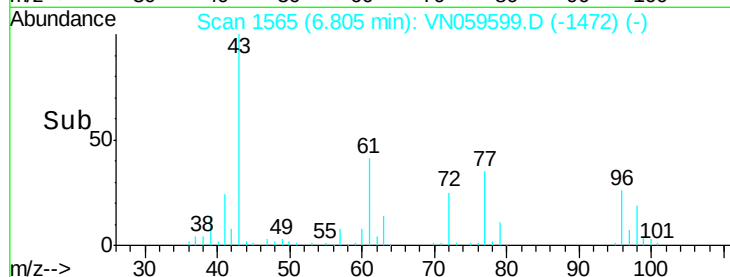
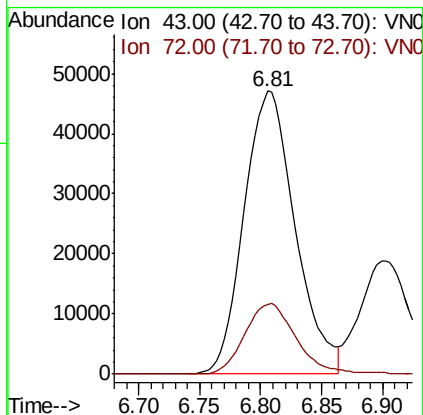
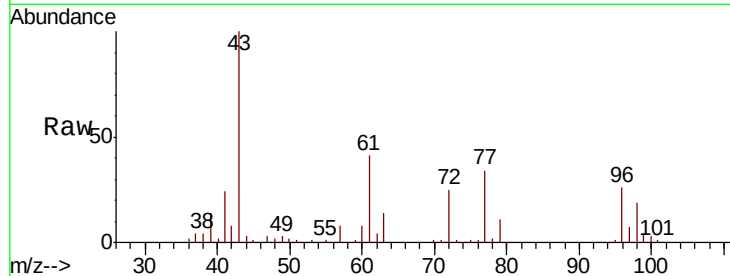
72 24.7 19.9 29.9

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



#26

2,2-Dichloropropane

Concen: 11.092 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059599.D

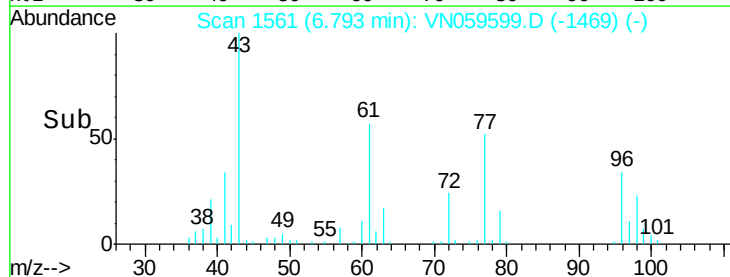
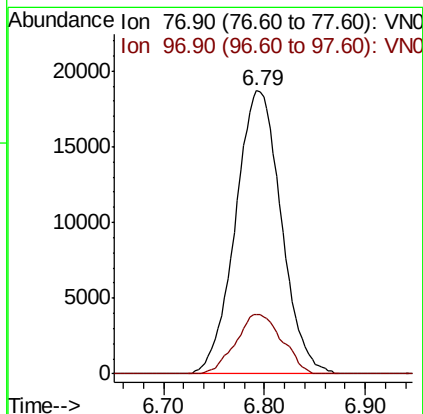
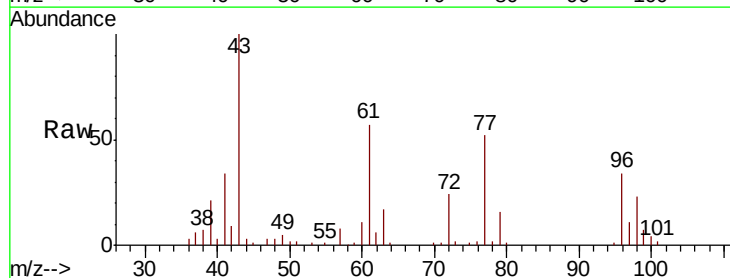
Acq: 16 Dec 2019 13:38

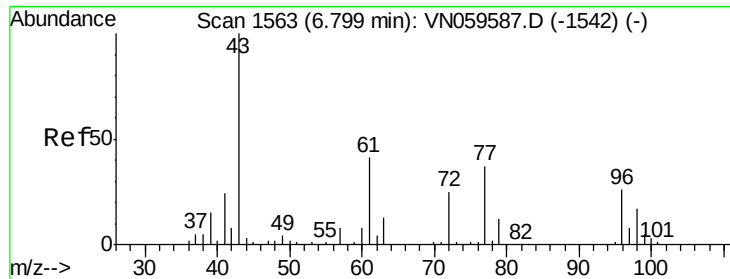
Tgt Ion: 77 Resp: 58850

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 11.243 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

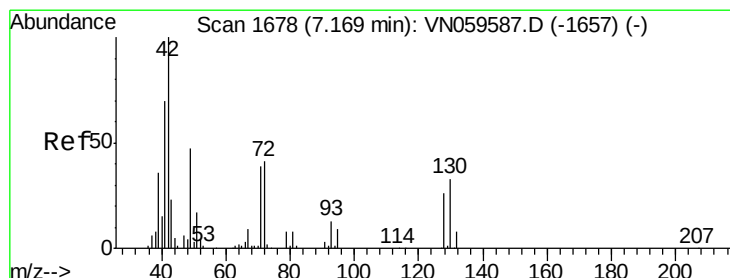
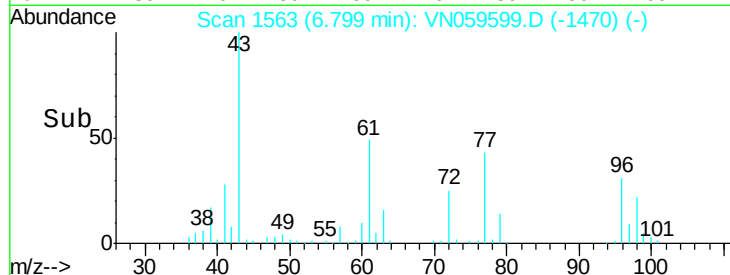
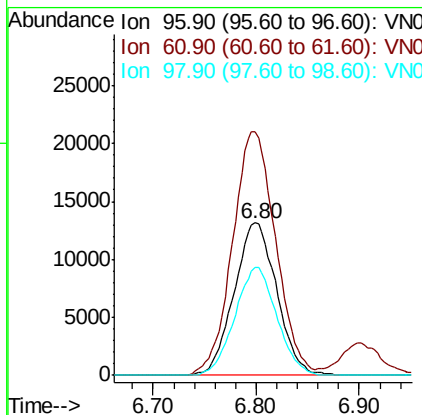
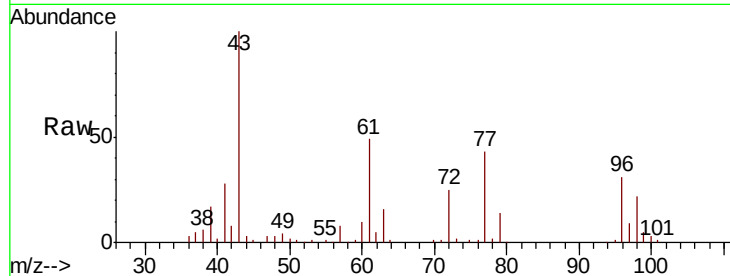
ClientSampleId :

VN1216WBS01

Tot Ion:	96	Resp:	37818
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	317.6
98	69.7	0.0	127.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#28

Bromochloromethane

Concen: 14.756 ug/l

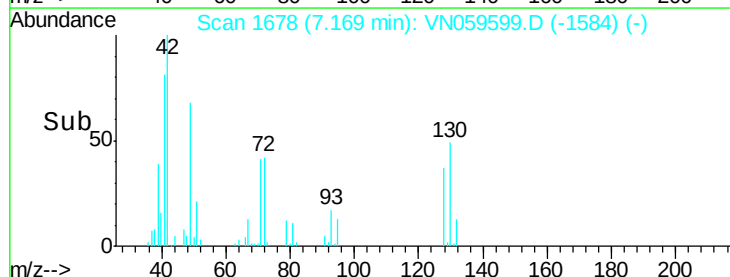
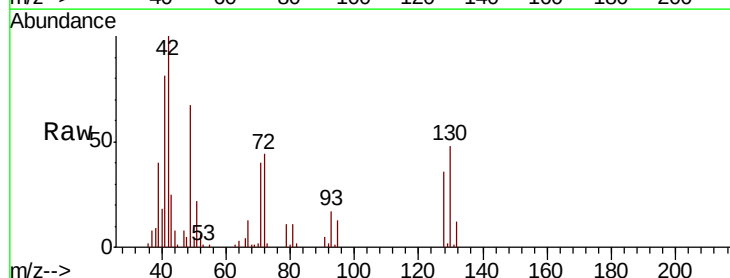
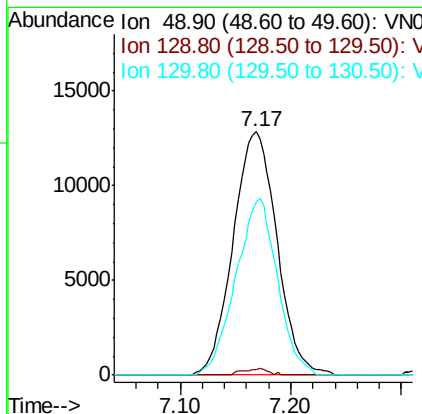
RT: 7.17 min Scan# 1678

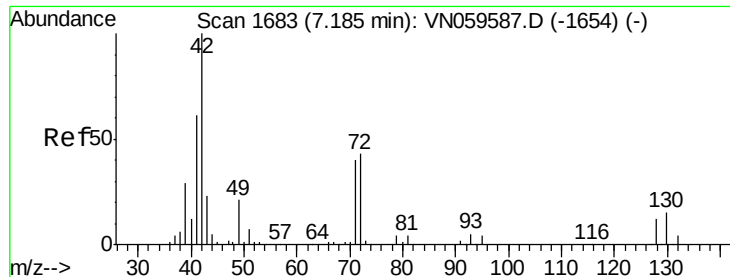
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	49	Resp:	35377
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.8	54.7	82.1





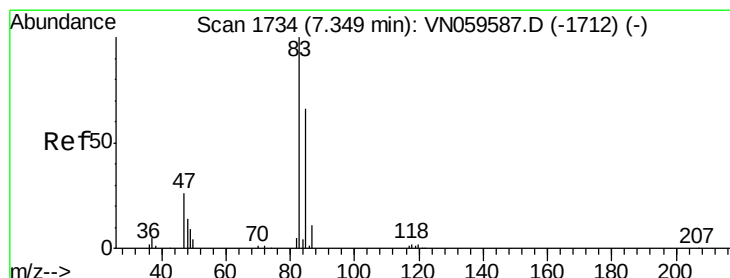
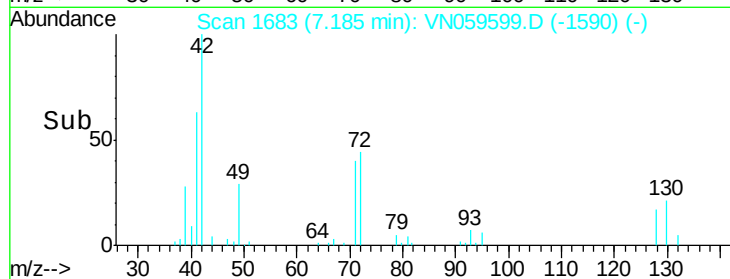
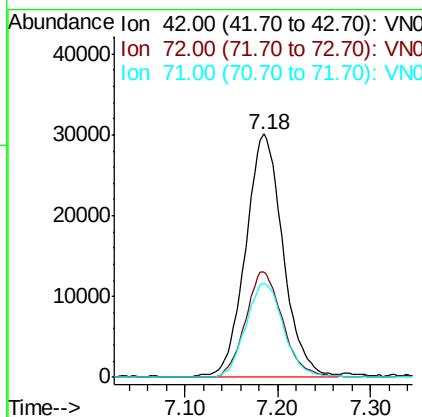
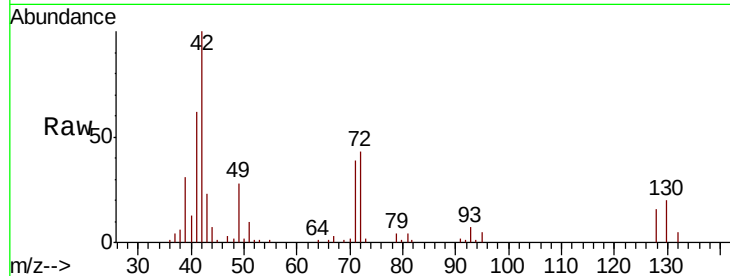
#29
Tetrahydrofuran
Concen: 51.827 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.1	49.7
71	39.1	31.4	47.0

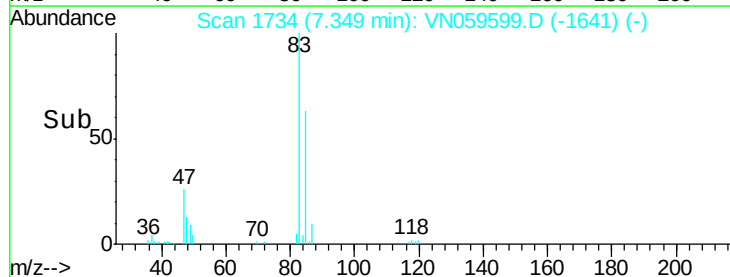
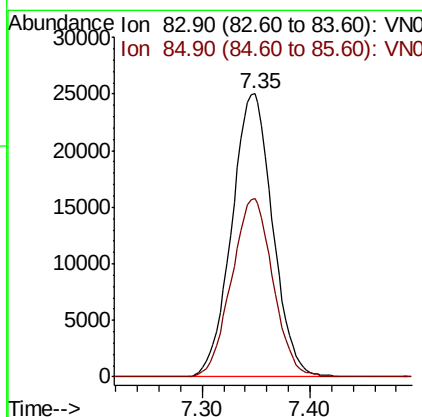
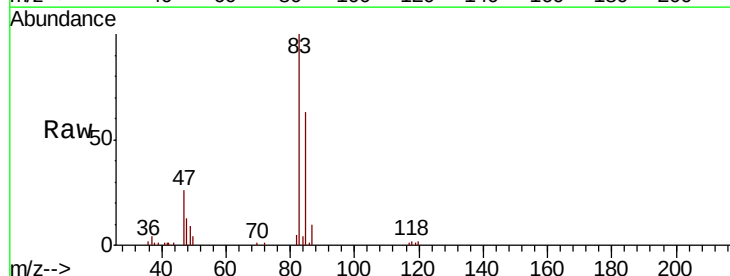
Manual Integrations
APPROVED

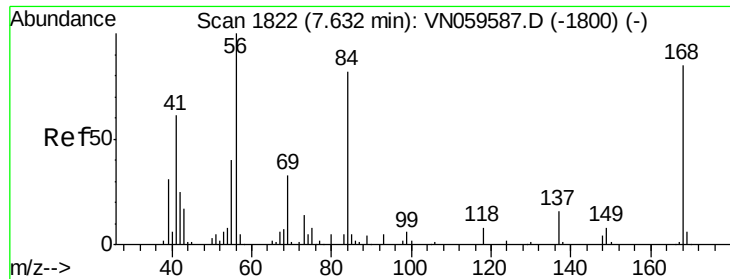
apatel
12/17/2019 12:51:13 PM



#30
Chloroform
Concen: 11.464 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6





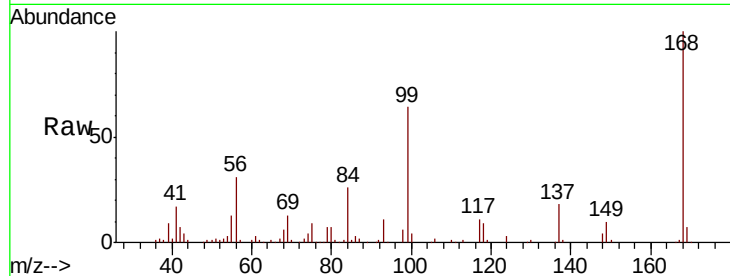
#31
Cyclohexane
Concen: 11.360 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

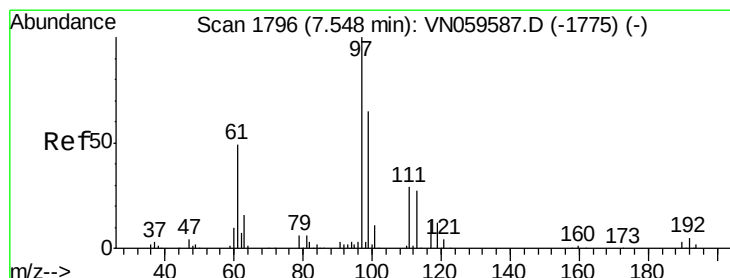
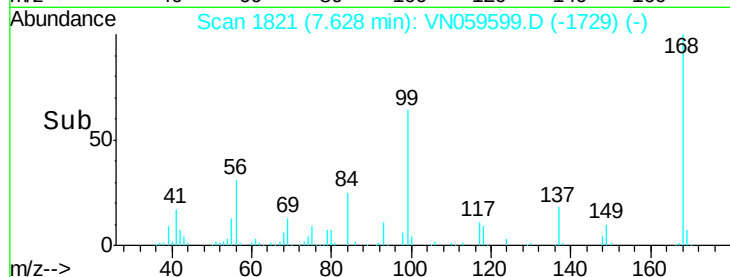
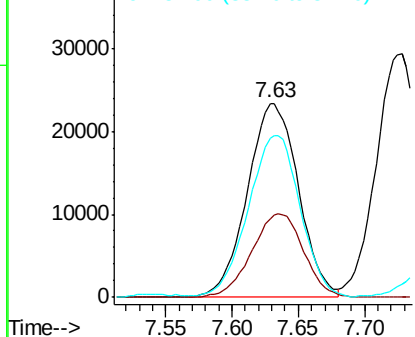
Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	26.5	39.7#
84	81.0	65.3	97.9

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM

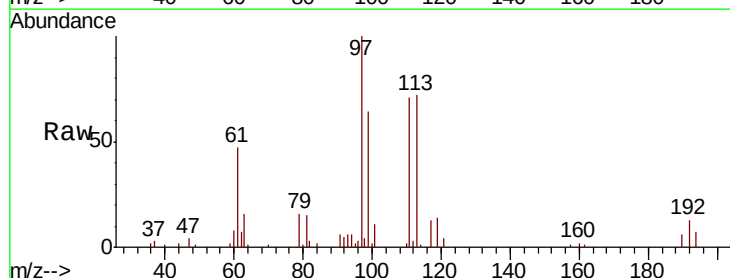


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

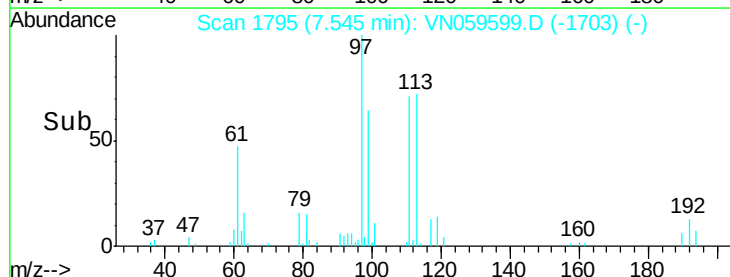
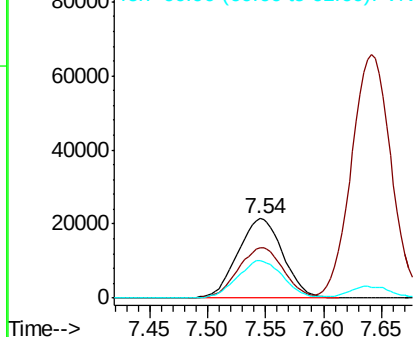


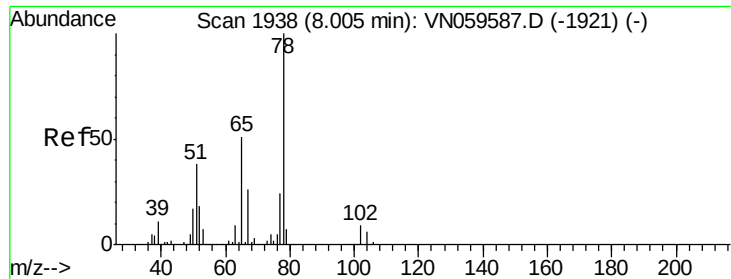
#32
1,1,1-Trichloroethane
Concen: 11.225 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	47.8	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





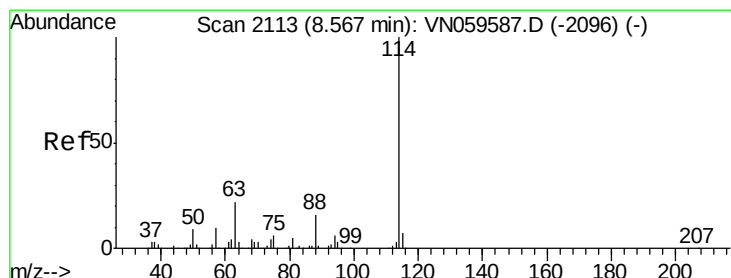
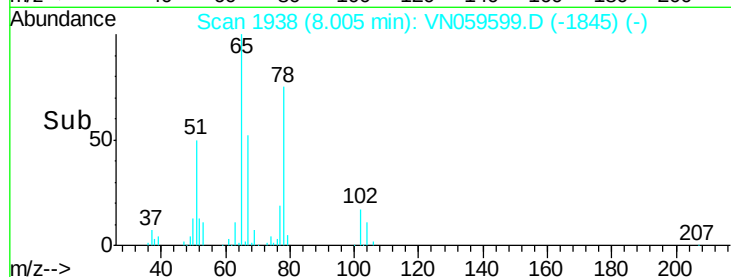
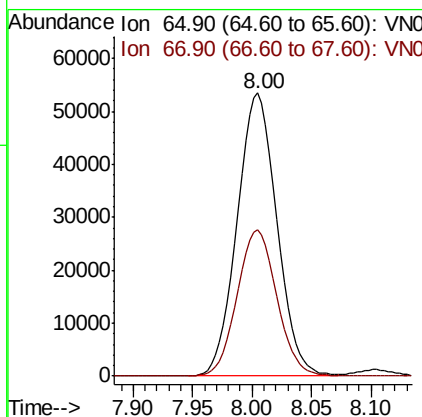
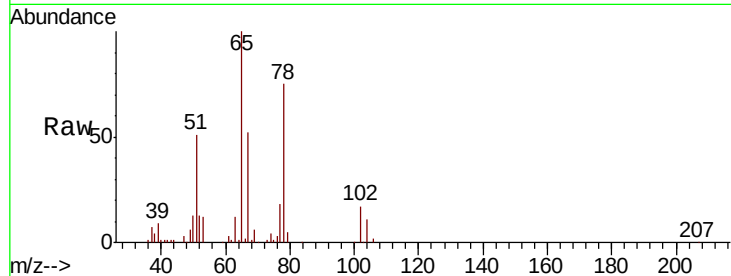
#33
 1,2-Dichloroethane-d4
 Concen: 32.800 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123907		
67	51.6	0.0	103.0	

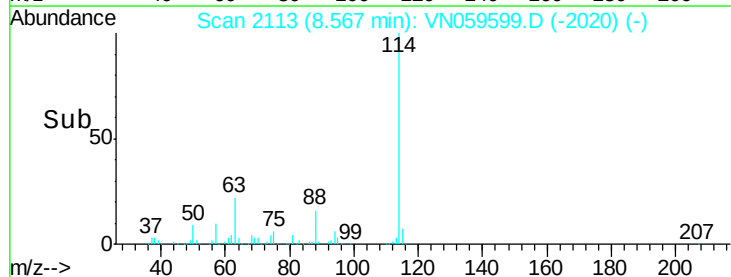
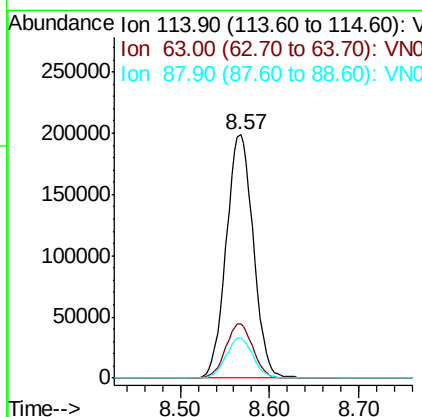
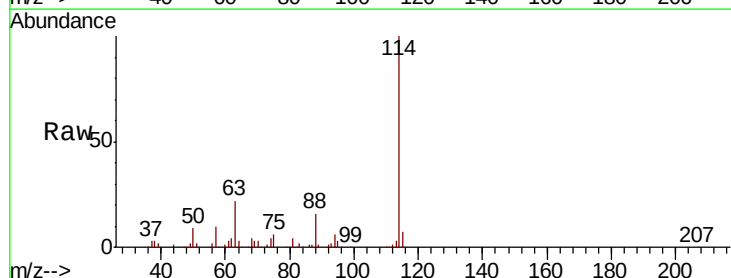
Manual Integrations
 APPROVED

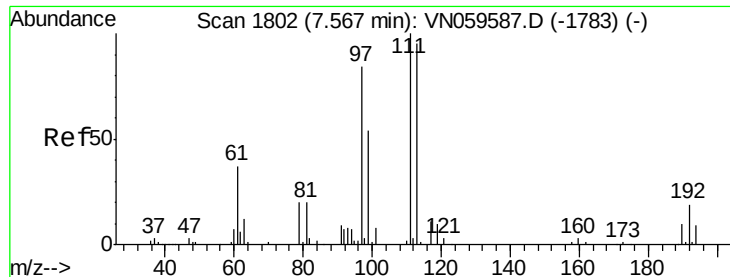
apatel
 12/17/2019 12:51:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417757		
63	22.3	0.0	43.6	
88	16.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 32.365 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

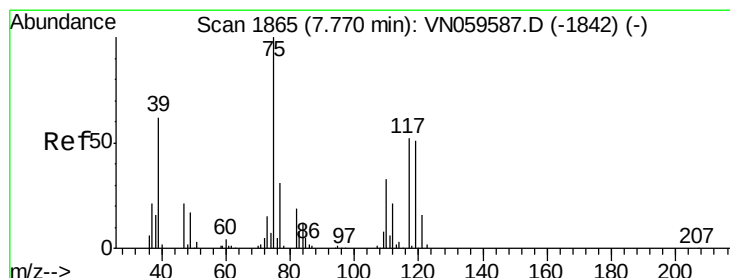
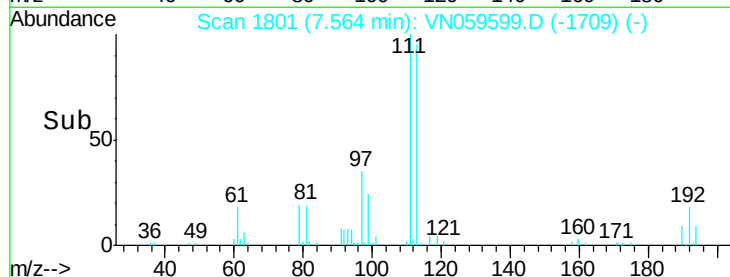
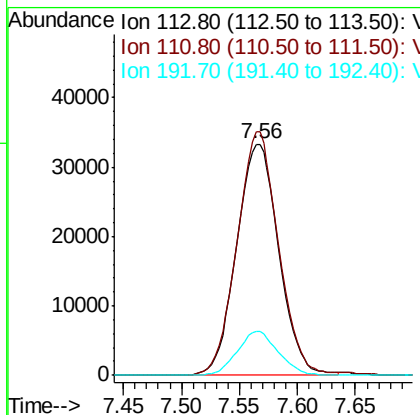
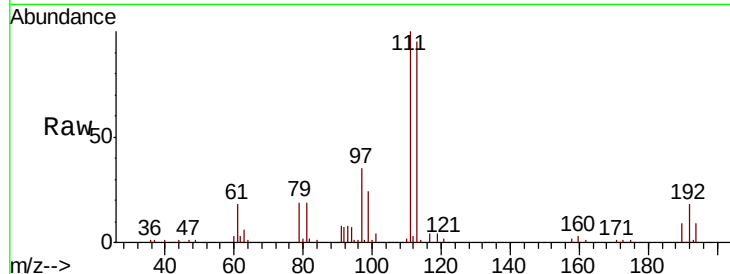
ClientSampleId :

VN1216WBS01

Tot Ion:	113	Resp:	84597
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.5	125.3
192	18.5	15.4	23.2

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#36

1,1-Dichloropropene

Concen: 11.179 ug/l

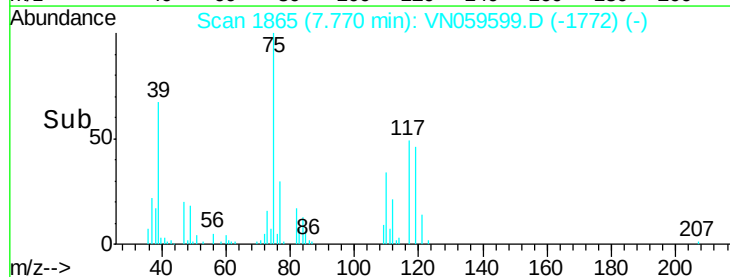
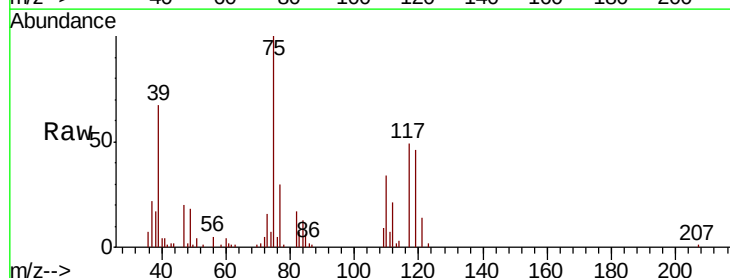
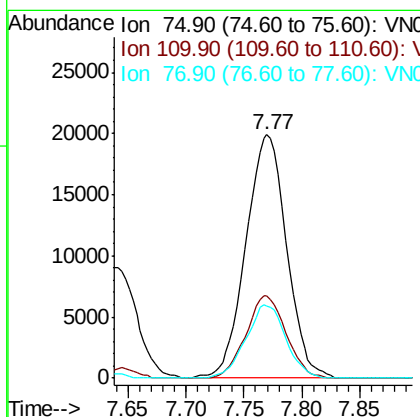
RT: 7.77 min Scan# 1865

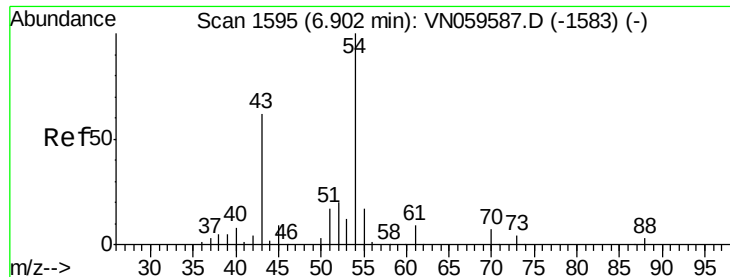
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	75	Resp:	48702
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.7
77	29.5	25.1	37.7





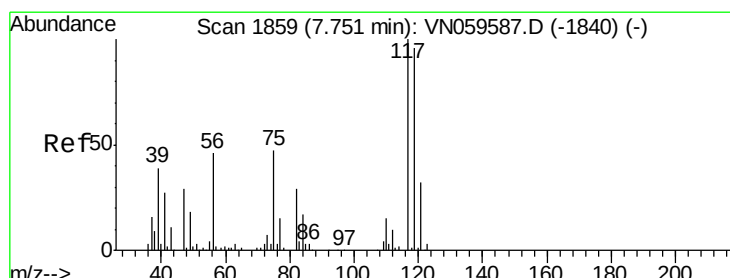
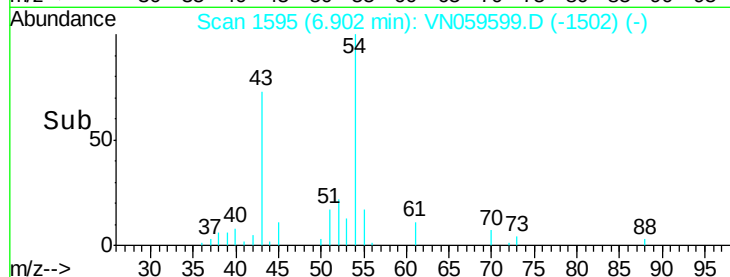
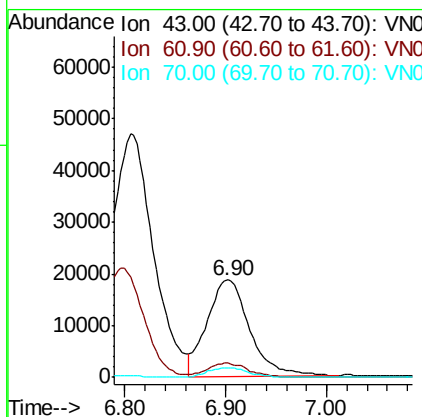
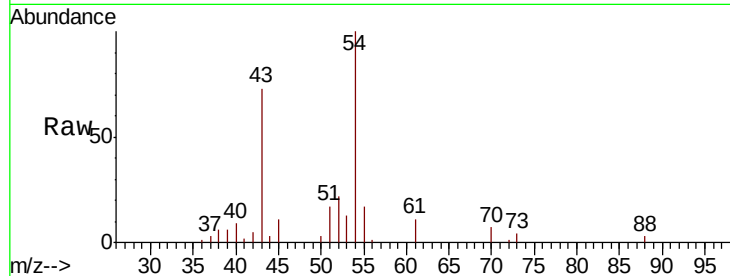
#37
Ethyl Acetate
Concen: 10.770 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	9.4	7.7	11.5

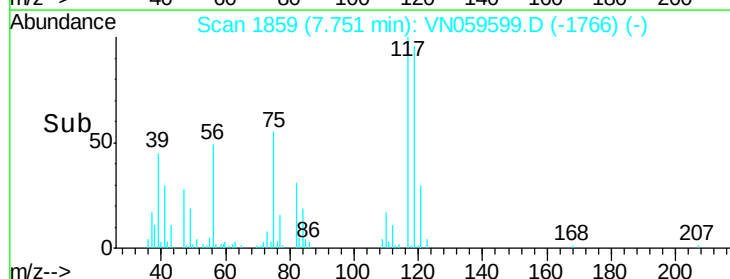
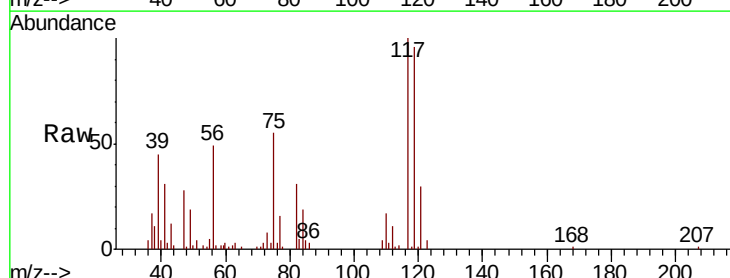
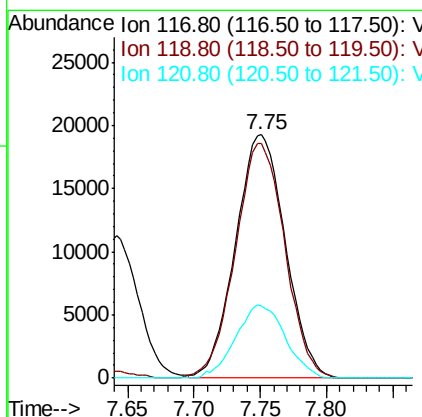
Manual Integrations
APPROVED

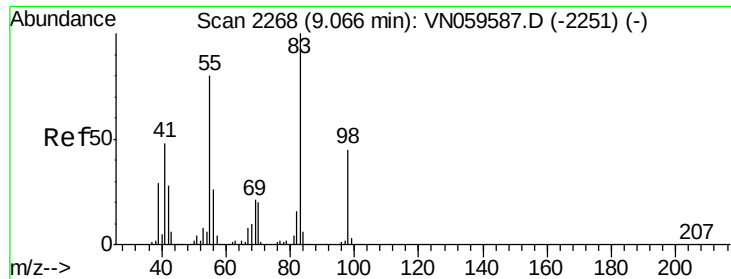
apatel
12/17/2019 12:51:13 PM



#38
Carbon Tetrachloride
Concen: 11.117 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.5	114.7
121	29.8	25.1	37.7





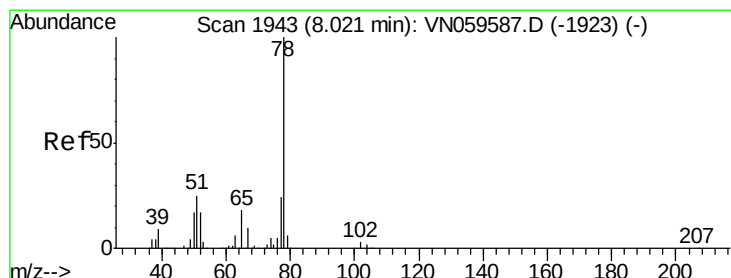
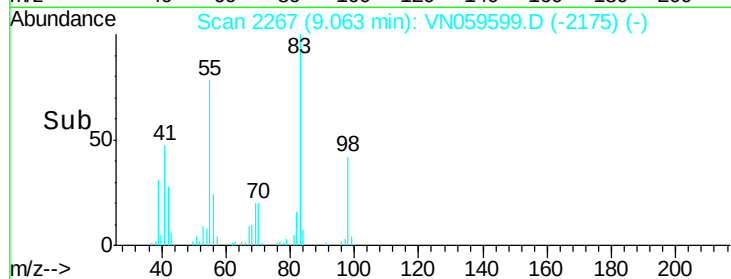
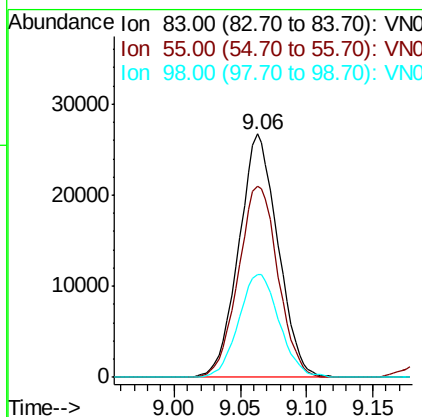
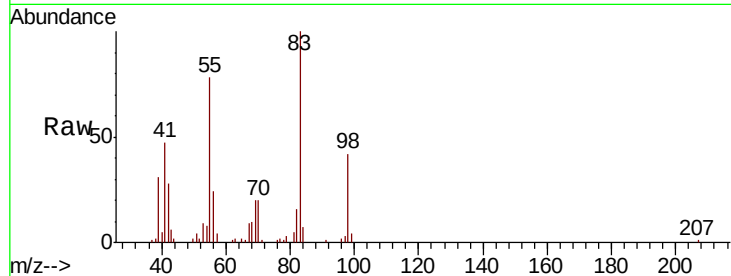
#39
Methylvlcyclohexane
Concen: 11.070 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	64.2	96.2
98	42.2	35.9	53.9

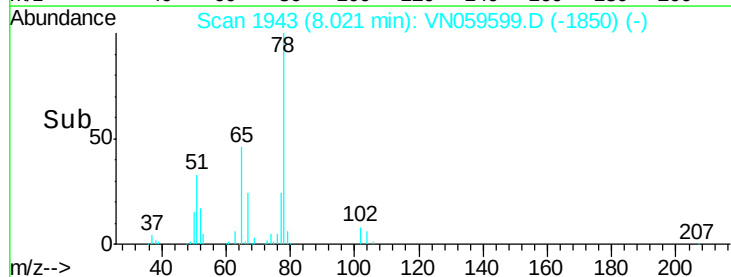
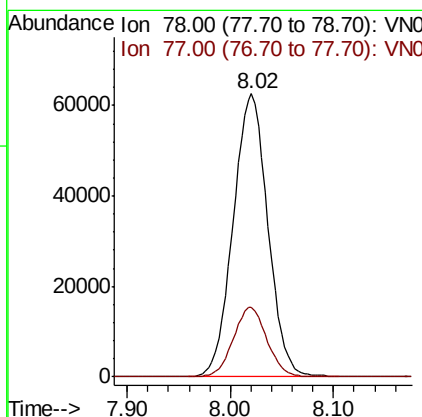
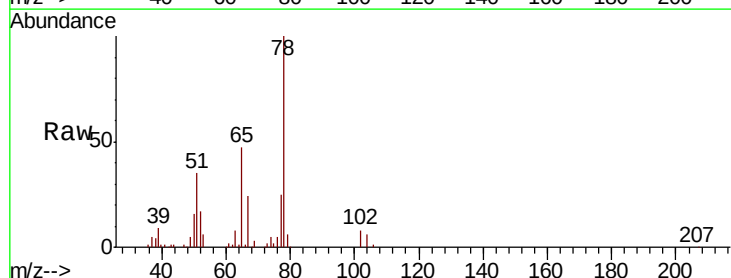
Manual Integrations
APPROVED

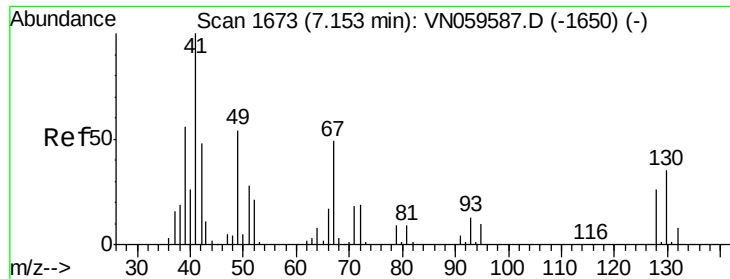
apatel
12/17/2019 12:51:13 PM



#40
Benzene
Concen: 11.495 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.9	28.3





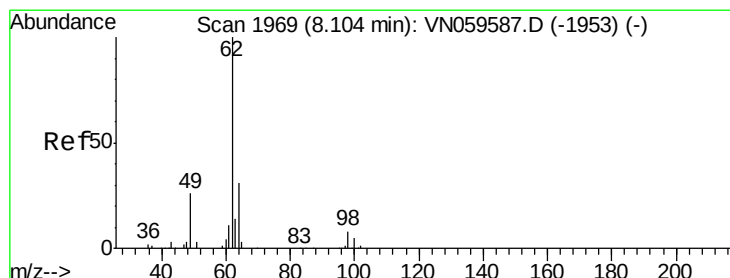
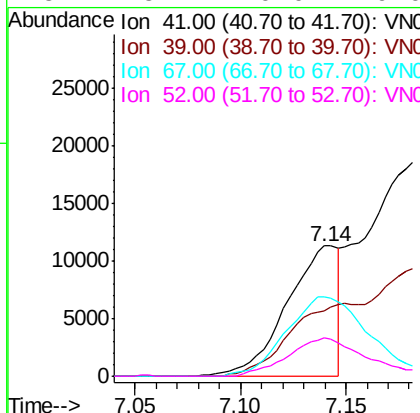
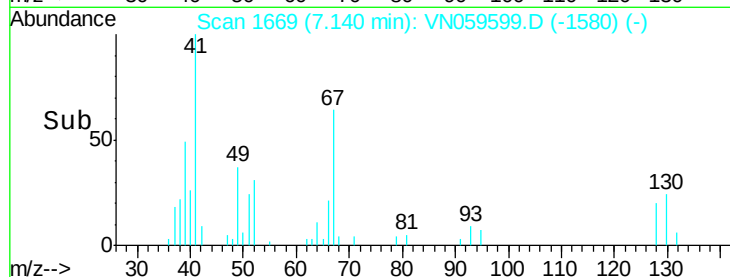
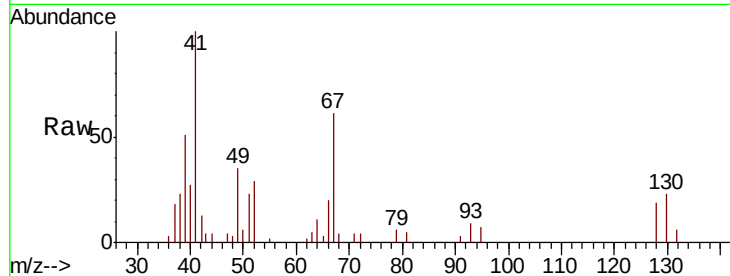
#41
Methacrylonitrile
Concen: 9.197 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	41	Resp	19219
Ion	Ratio	Lower	Upper
41	100		
39	72.5	0.0	0.0#
67	99.5	0.0	0.0#
52	45.2	0.0	0.0#

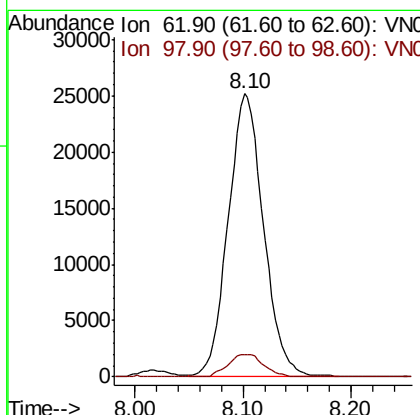
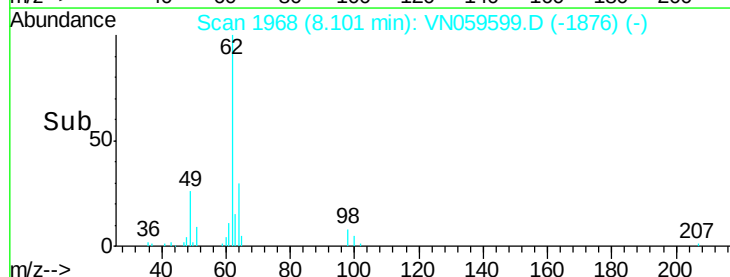
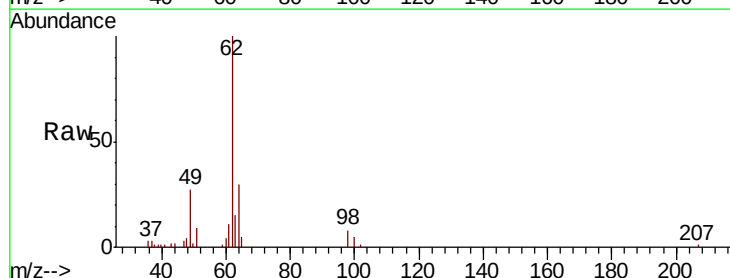
Manual Integrations
APPROVED

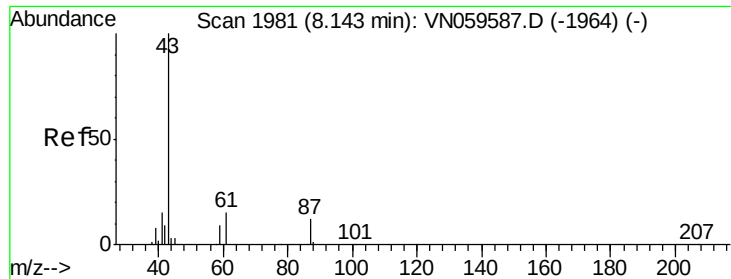
apatel
12/17/2019 12:51:13 PM



#42
1,2-Dichloroethane
Concen: 11.807 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	62	Resp	57570
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





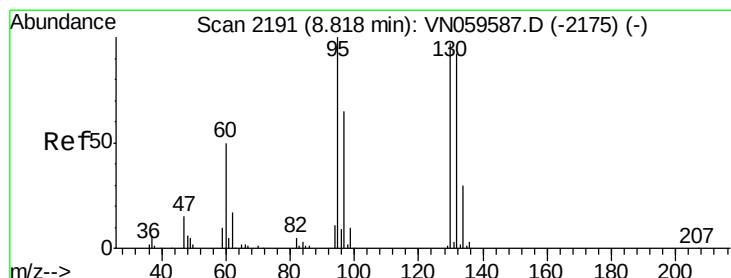
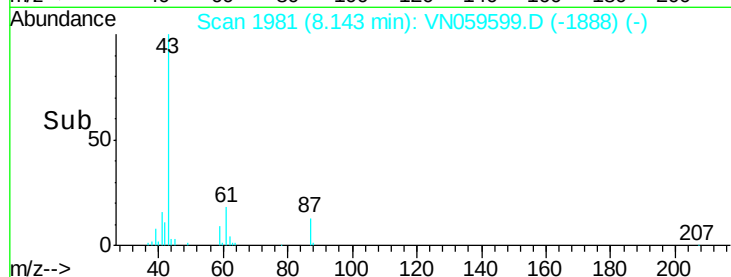
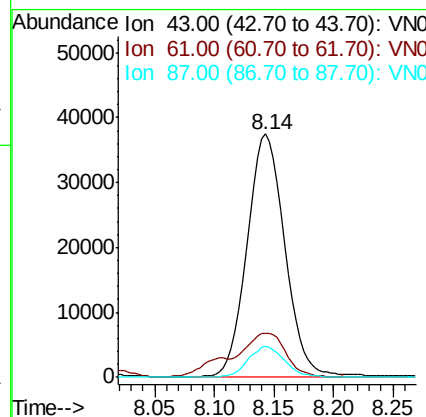
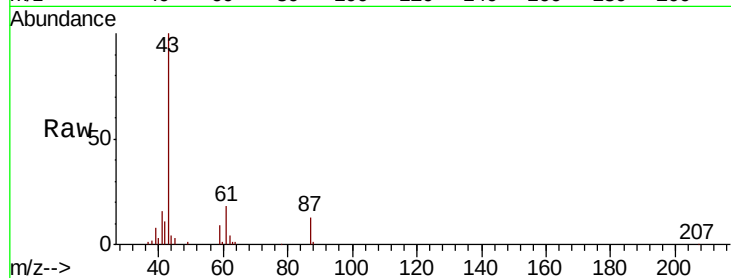
#43
Isopropyl Acetate
Concen: 10.506 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	20.2	30.2#
87	12.3	9.5	14.3

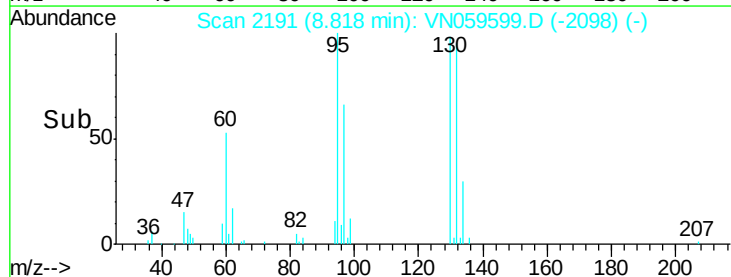
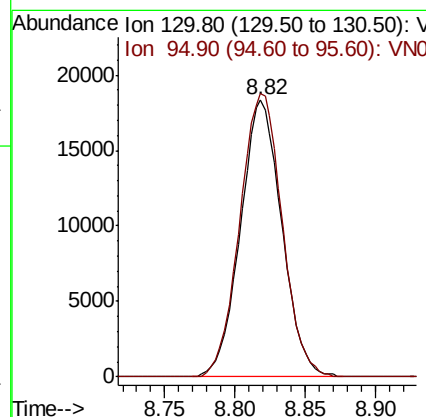
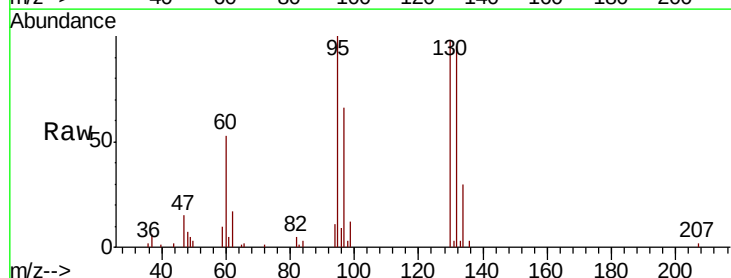
Manual Integrations
APPROVED

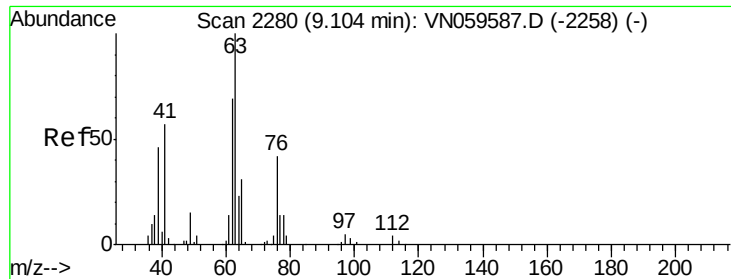
apatel
12/17/2019 12:51:13 PM



#44
Trichloroethene
Concen: 11.279 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	207.0





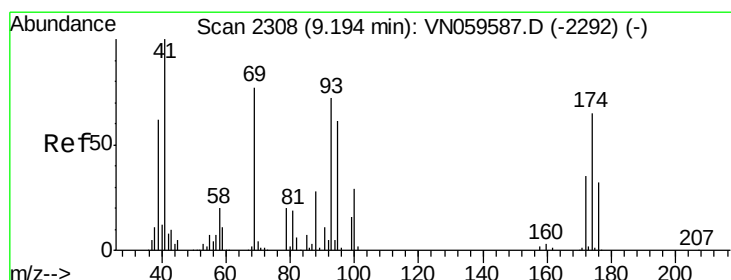
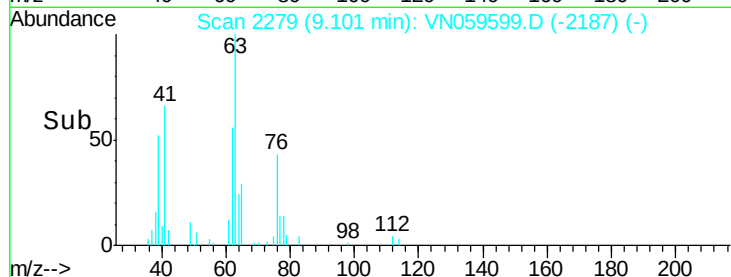
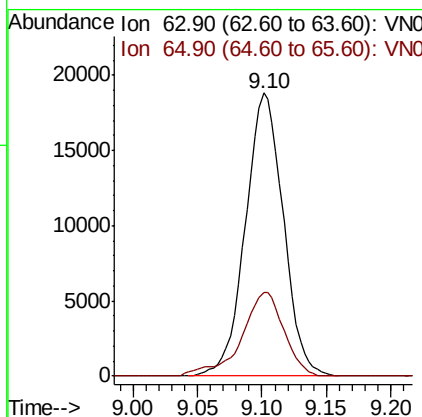
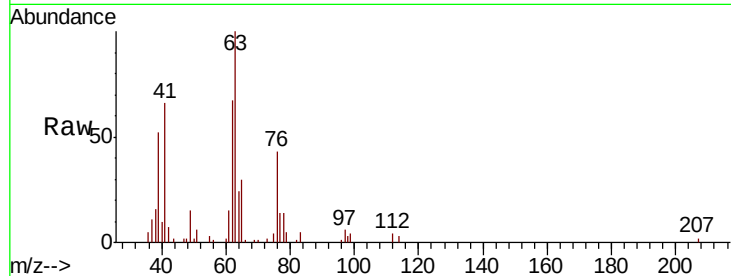
#45
 1,2-Dichloropropane
 Concen: 11.221 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tot Ion: 63 Resp: 38577
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.9 37.3

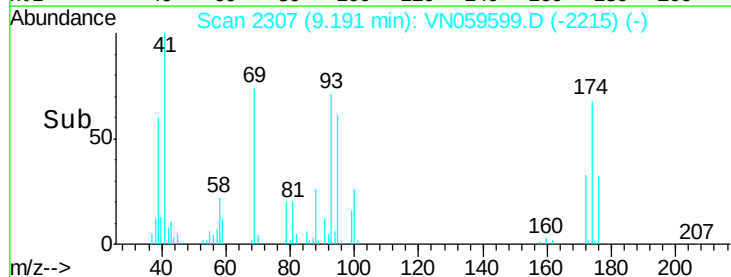
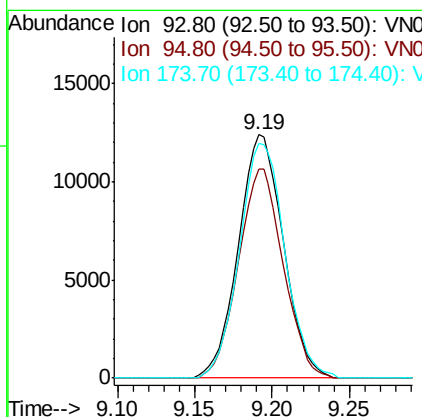
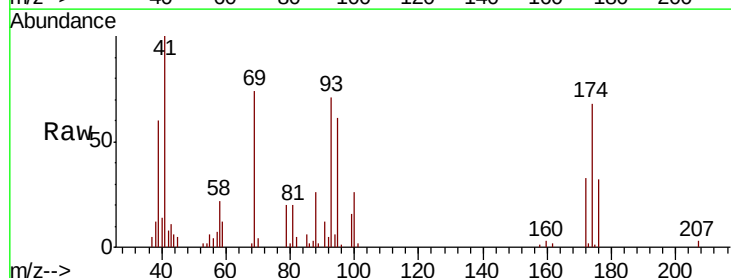
Manual Integrations
 APPROVED

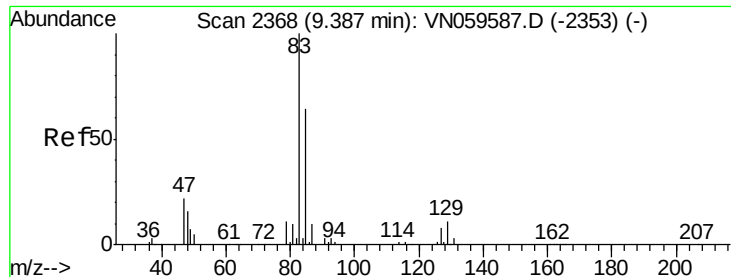
apatel
 12/17/2019 12:51:13 PM



#46
 Dibromomethane
 Concen: 11.157 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion: 93 Resp: 25130
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.0 100.6
 174 97.5 73.4 110.2





#47

Bromodichloromethane

Concen: 11.534 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

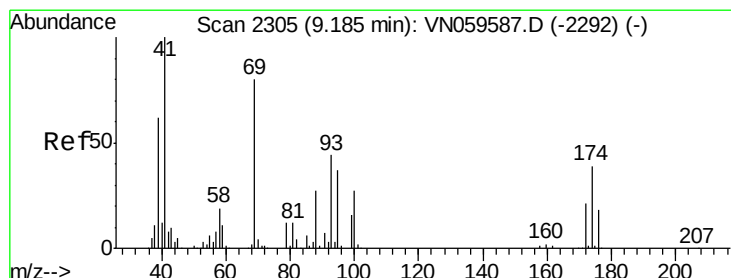
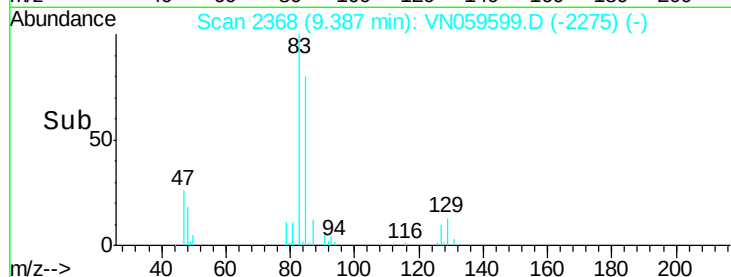
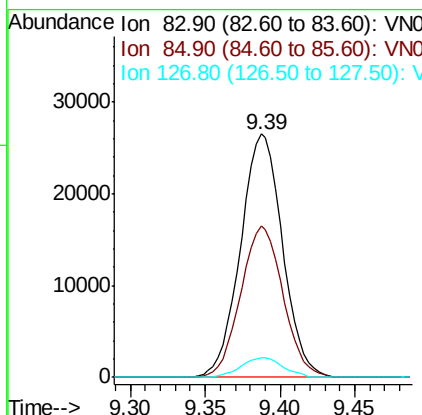
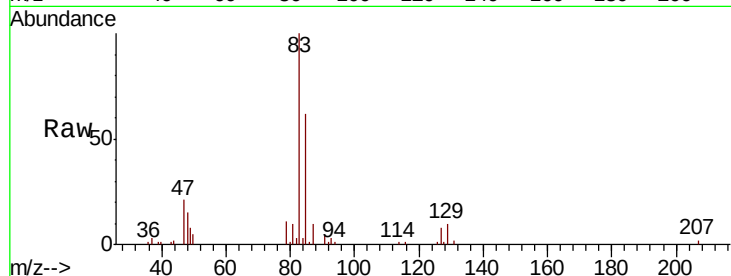
ClientSampleId :

VN1216WBS01

Tot Ion:	83	Resp:	51795
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.1	76.7
127	7.9	6.6	9.8

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#48

Methyl methacrylate

Concen: 10.468 ug/l

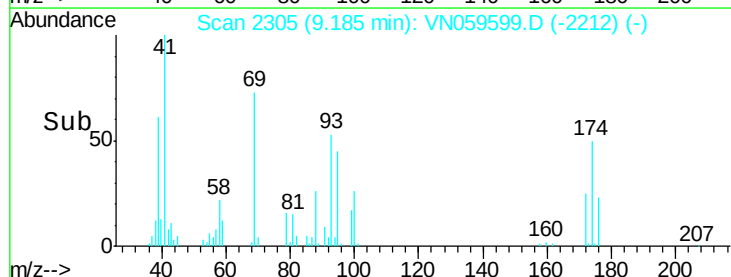
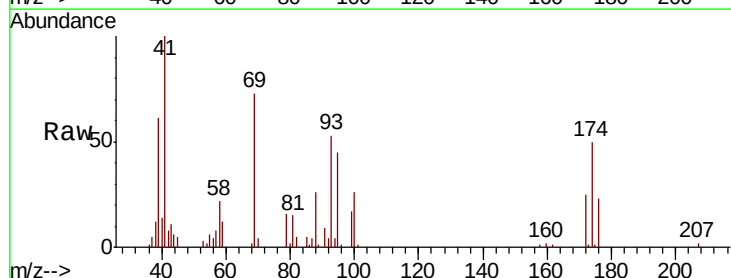
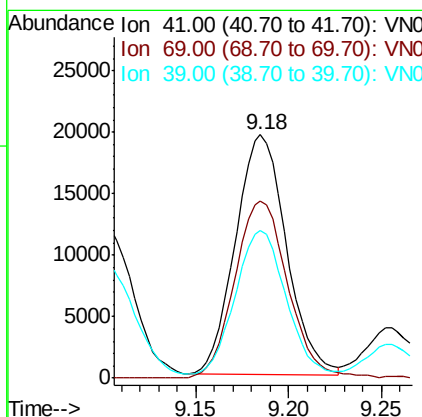
RT: 9.18 min Scan# 2305

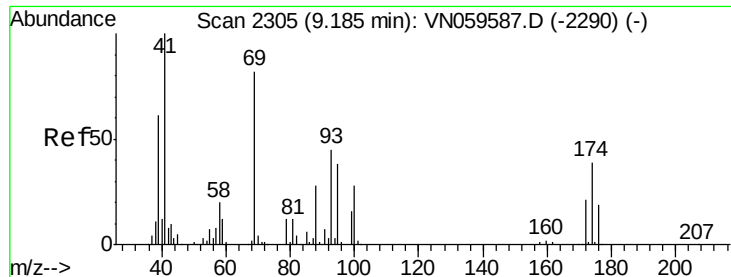
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	41	Resp:	37387
Ion Ratio	Lower	Upper	
41	100		
69	77.3	64.4	96.6
39	63.0	51.3	76.9





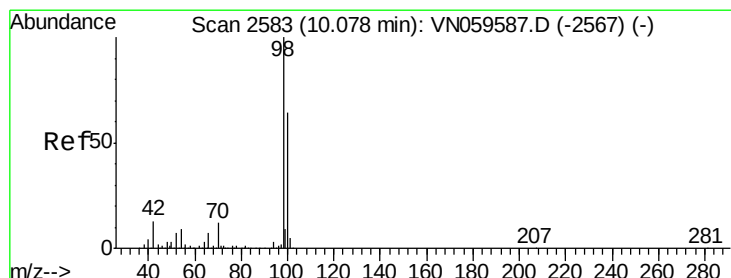
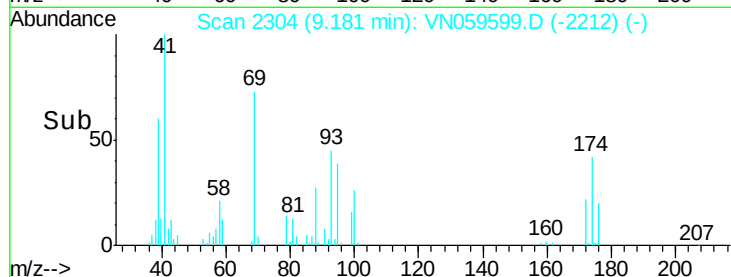
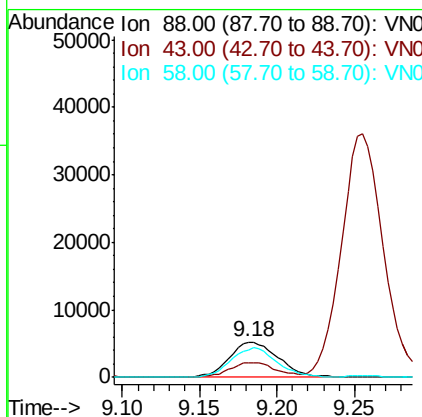
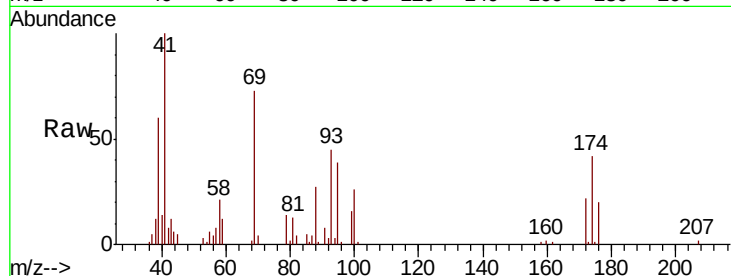
#49
1,4-Dioxane
Concen: 222.684 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	29.7	44.5
58	79.3	56.6	85.0

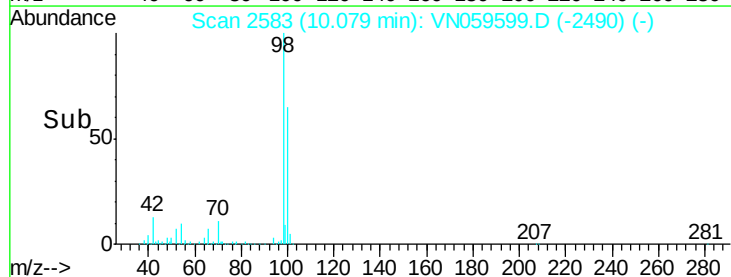
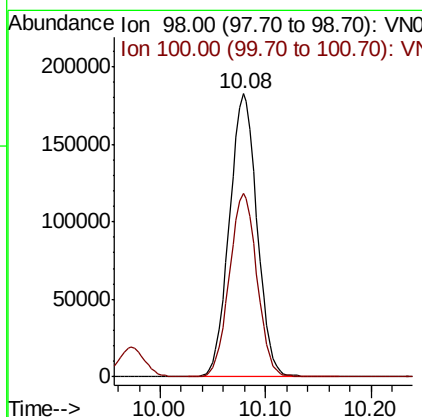
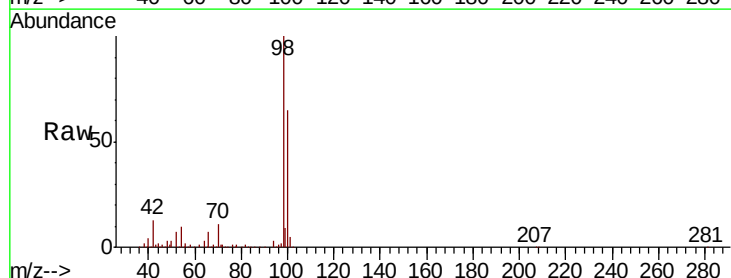
Manual Integrations
APPROVED

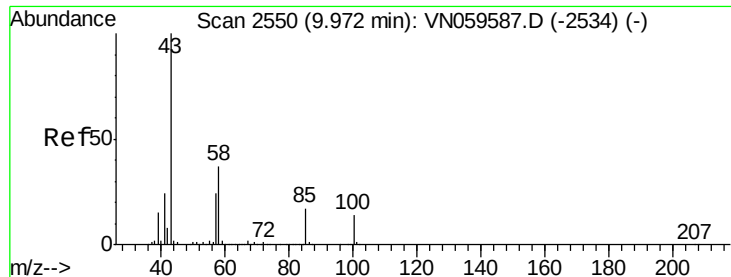
apatel
12/17/2019 12:51:13 PM



#50
Toluene-d8
Concen: 32.017 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 54.087 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 43 Resp: 253868

Ion Ratio Lower Upper

43 100

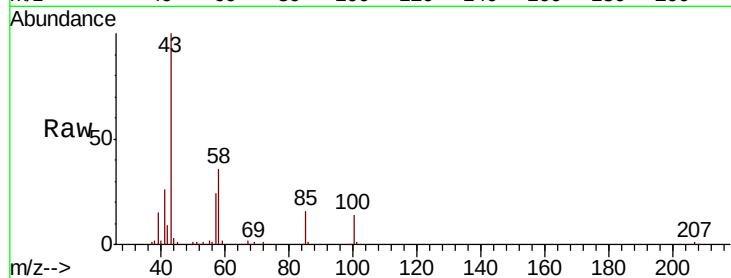
58 37.0 29.8 44.8

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

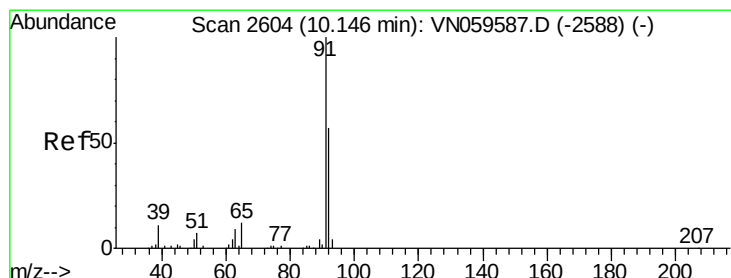
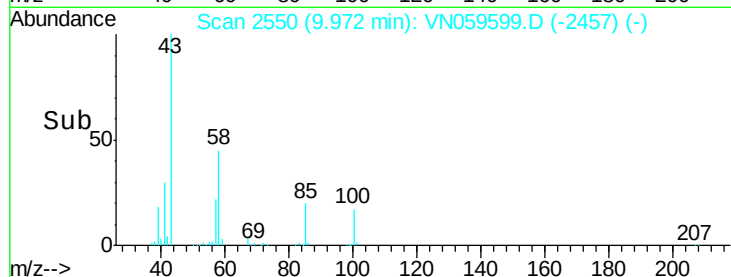
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 11.038 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059599.D

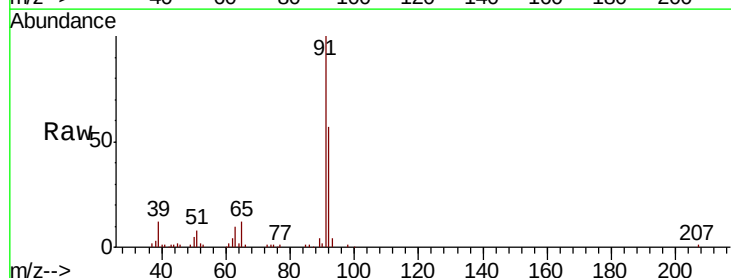
Acq: 16 Dec 2019 13:38

Tgt Ion: 92 Resp: 86345

Ion Ratio Lower Upper

92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

80000

60000

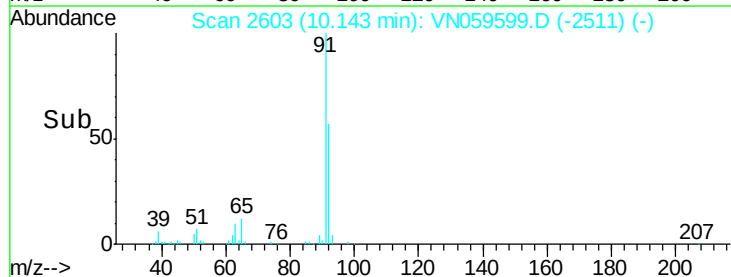
40000

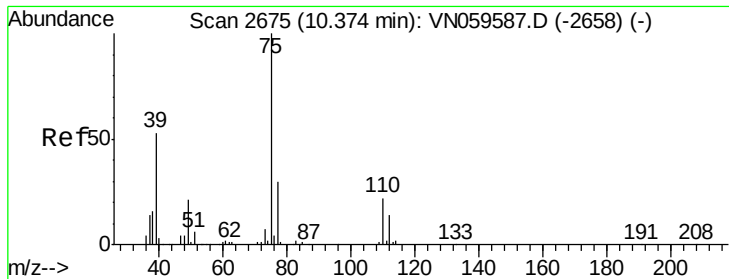
20000

0

10.10 10.14 10.20

Time-->





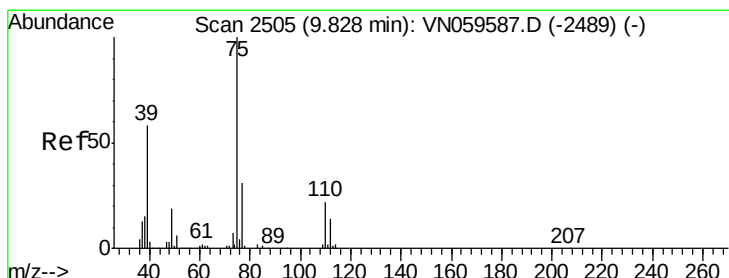
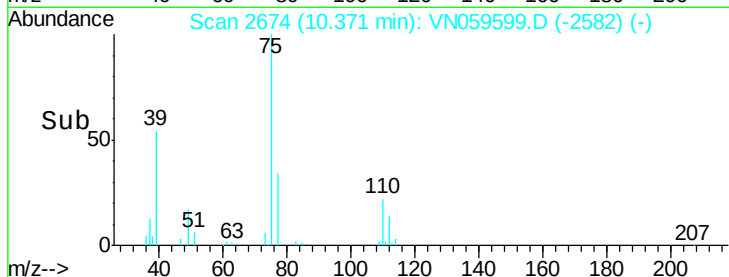
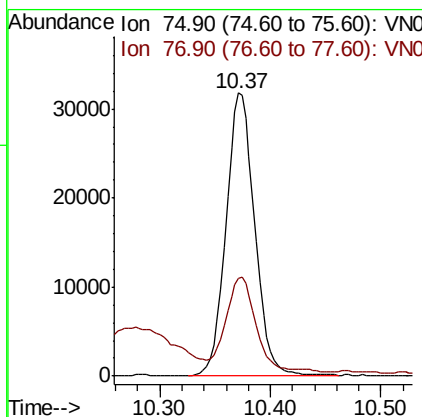
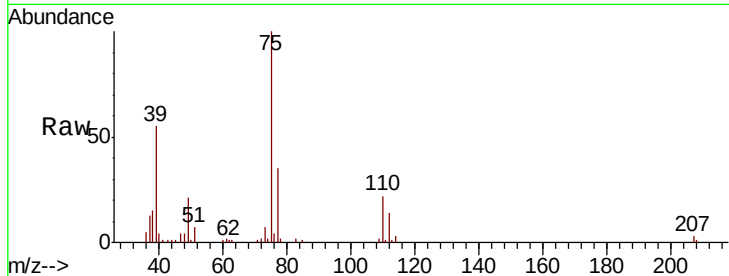
#53
t-1,3-Dichloropropene
Concen: 11.067 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion: 75 Resp: 57478
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.2

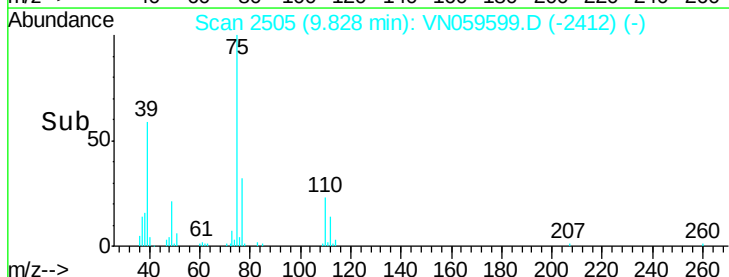
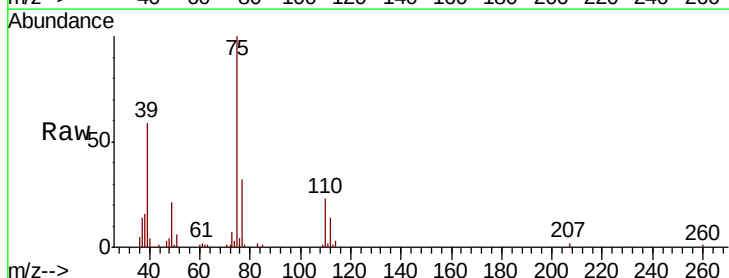
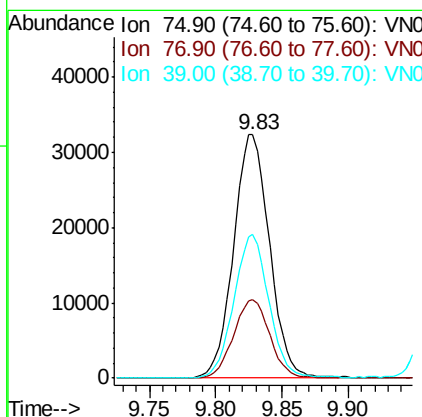
Manual Integrations
APPROVED

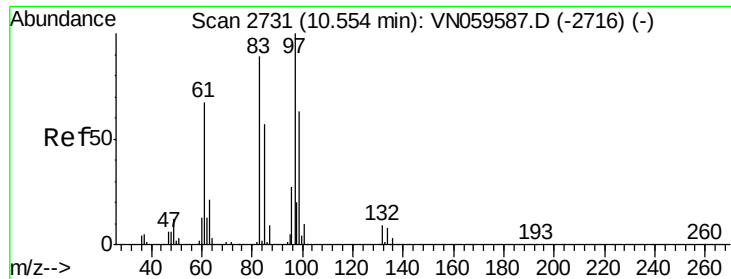
apatel
12/17/2019 12:51:13 PM



#54
cis-1,3-Dichloropropene
Concen: 11.155 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion: 75 Resp: 60899
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
39 58.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 11.237 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

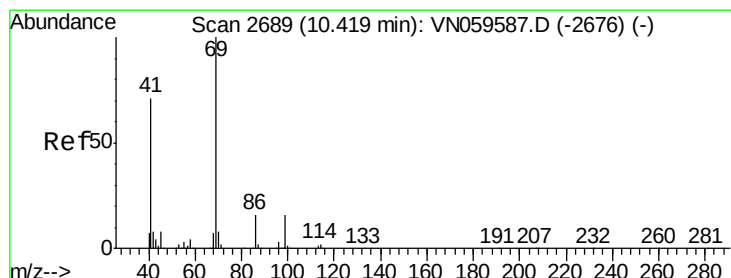
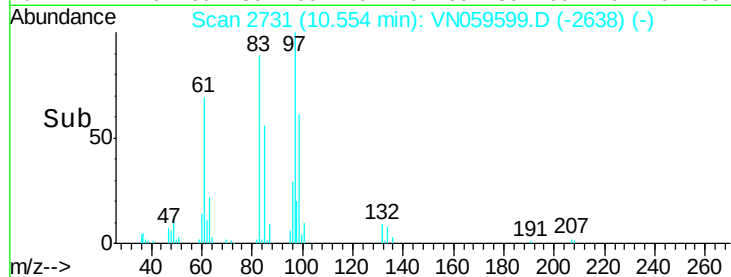
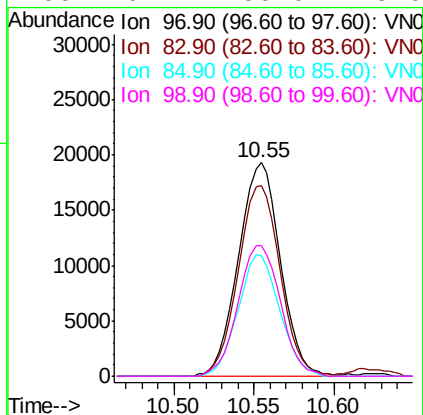
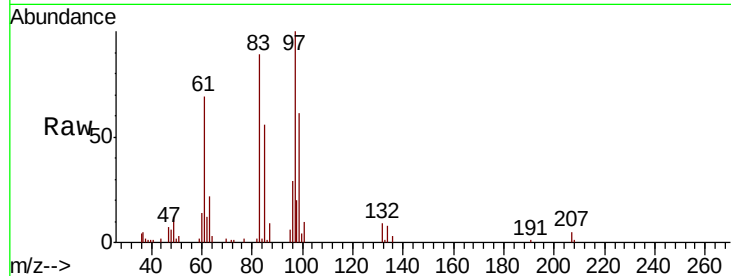
ClientSampleId :

VN1216WBS01

Tot Ion:	97	Resp:	34493
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.3	106.9
85	56.4	45.8	68.8
99	61.1	50.0	75.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#56

Ethyl methacrylate

Concen: 10.395 ug/l

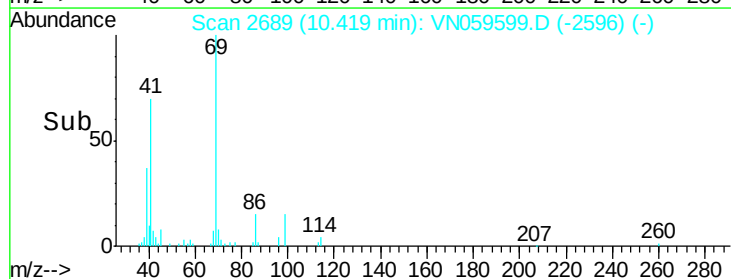
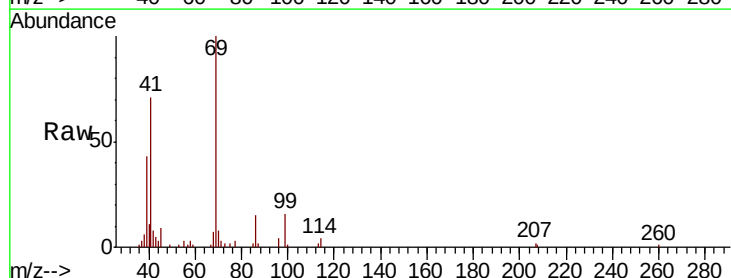
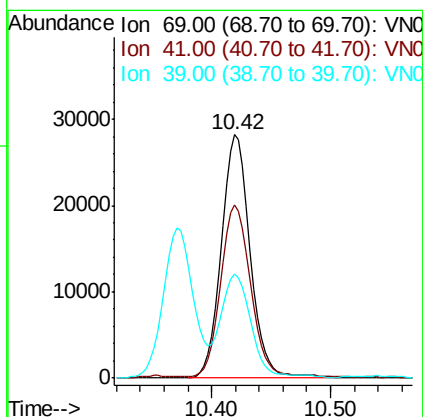
RT: 10.42 min Scan# 2689

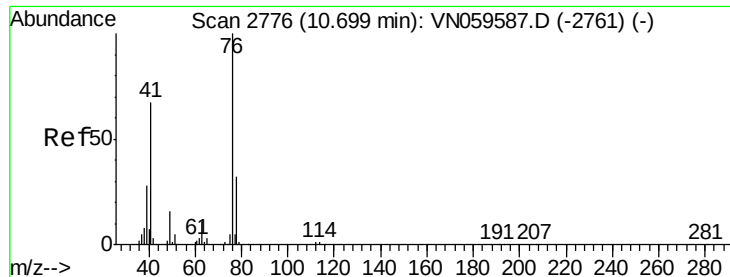
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	69	Resp:	47373
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.1	85.7
39	46.1	34.7	52.1





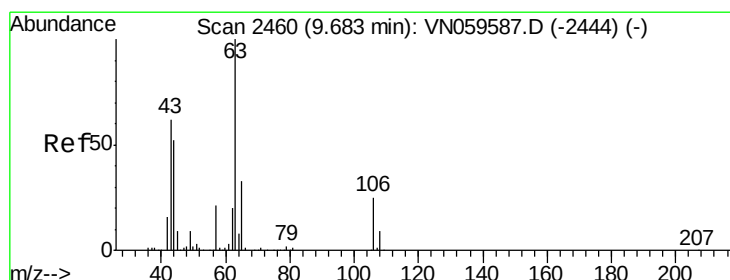
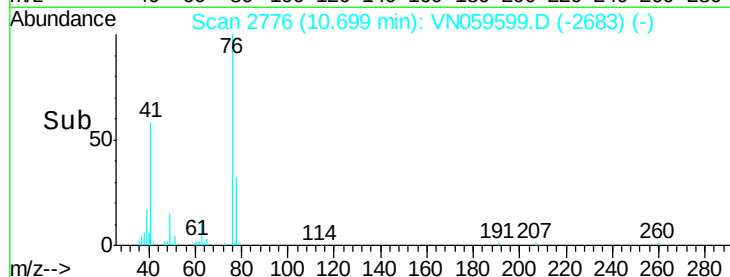
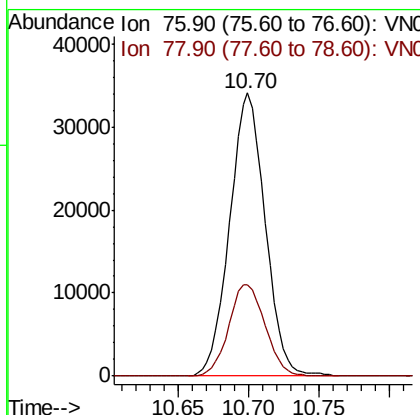
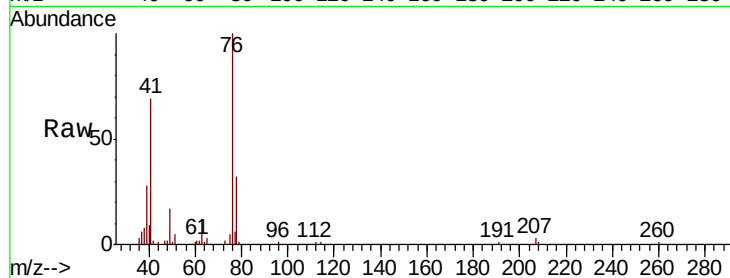
#57
 1,3-Dichloropropane
 Concen: 11.224 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

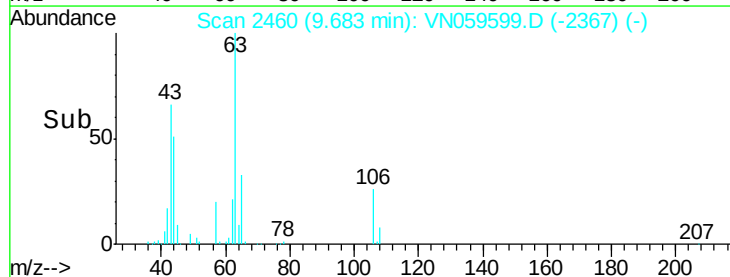
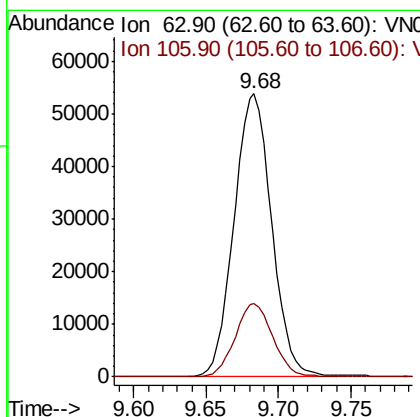
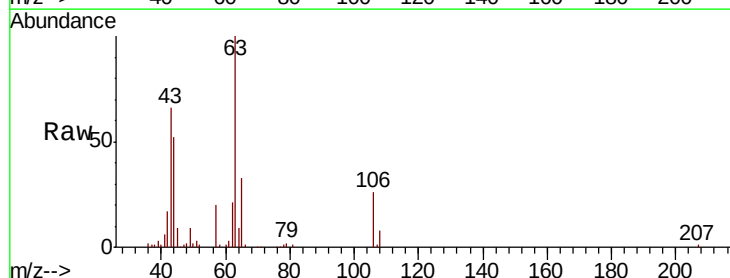
Manual Integrations
 APPROVED

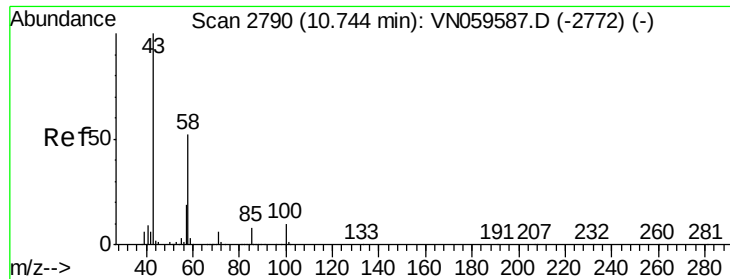
apatel
 12/17/2019 12:51:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 67.078 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.2	30.2





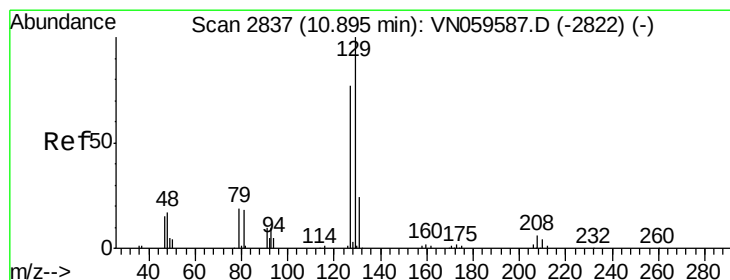
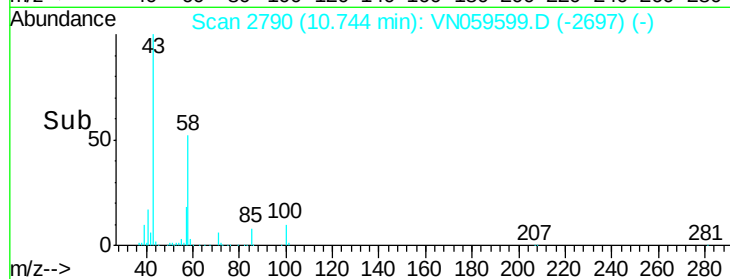
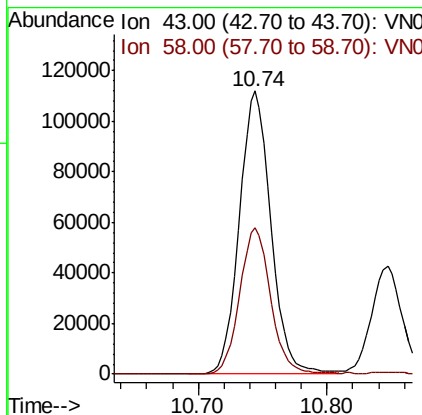
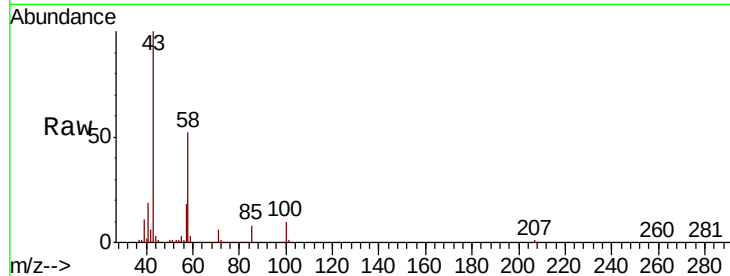
#59
2-Hexanone
Concen: 51.577 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion: 43 Resp: 190799
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3

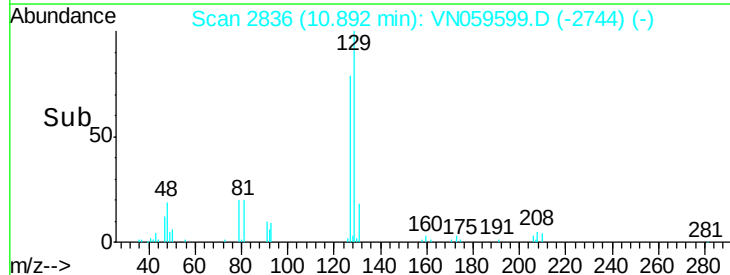
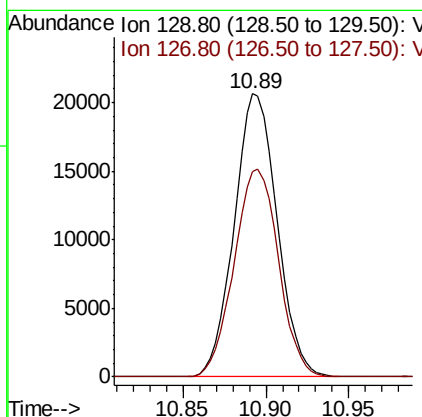
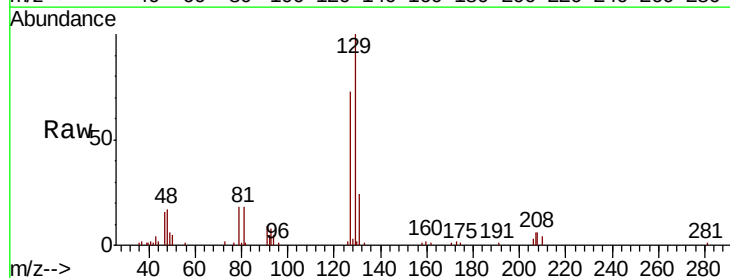
Manual Integrations
APPROVED

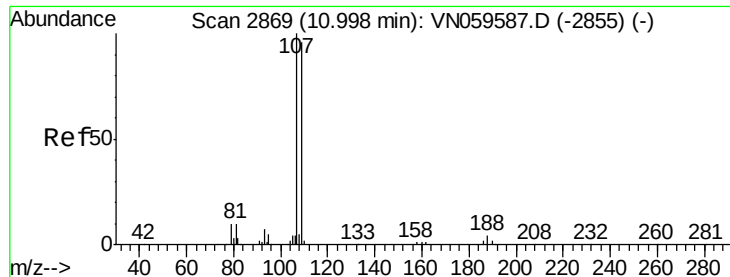
apatel
12/17/2019 12:51:13 PM



#60
Dibromochloromethane
Concen: 11.094 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion: 129 Resp: 37167
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 11.098 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 107 Resp: 36129

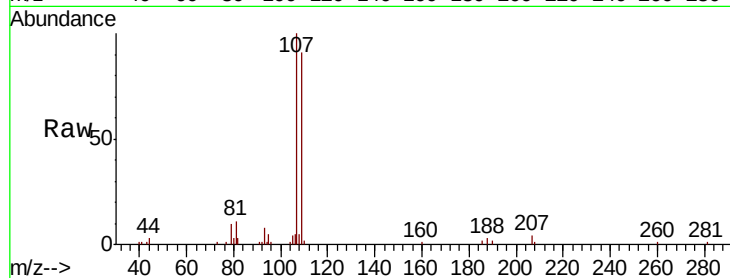
Ion Ratio Lower Upper

107 100

109 93.0 76.6 115.0

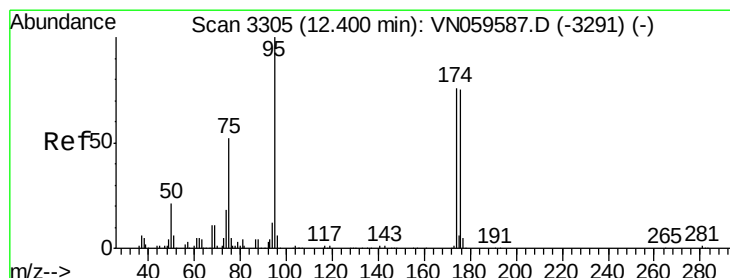
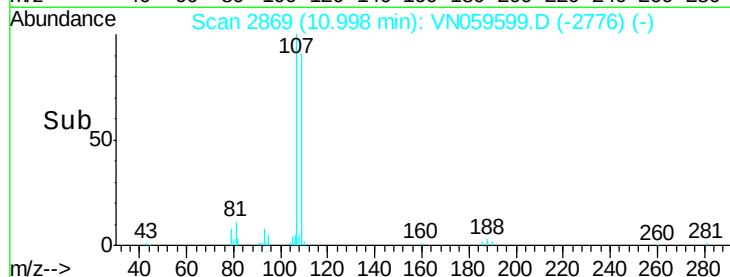
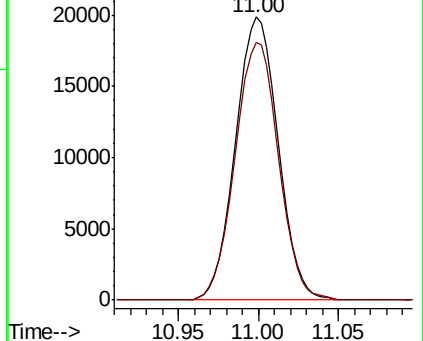
Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 30.423 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

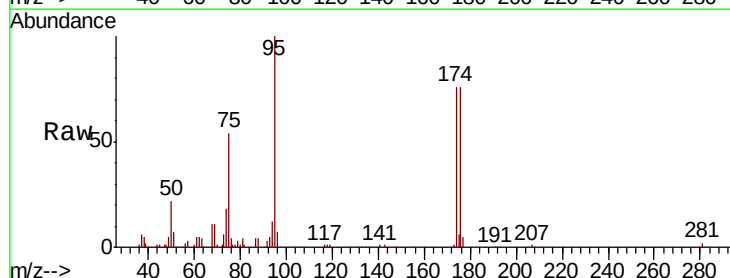
Tgt Ion: 95 Resp: 114881

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

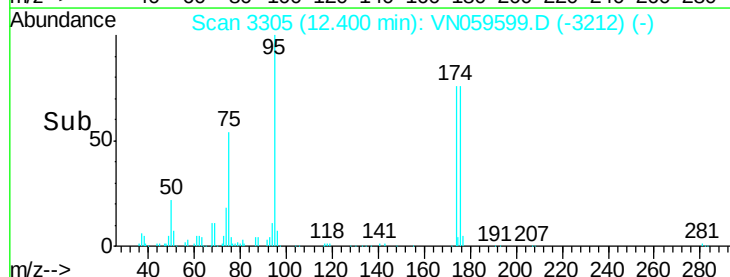
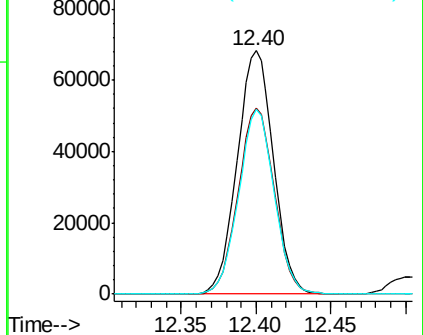
176 74.3 0.0 146.0

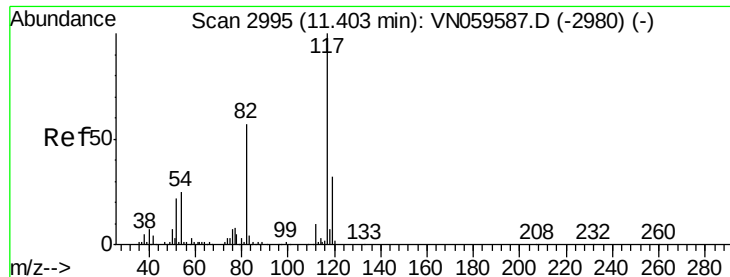


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





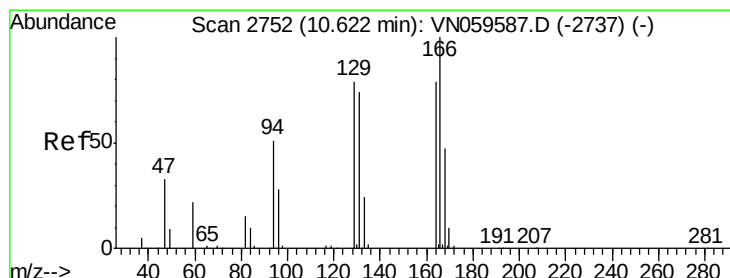
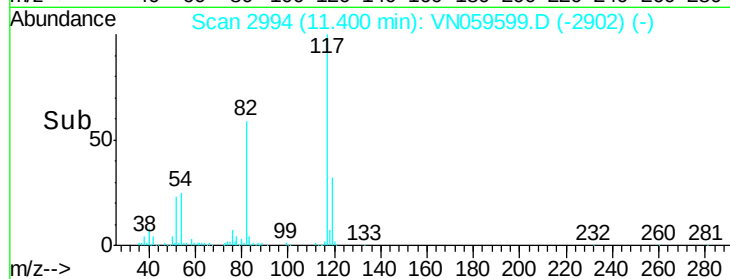
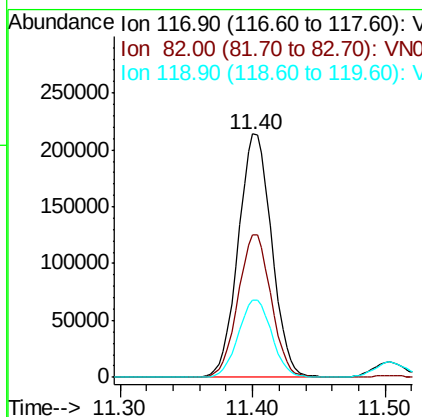
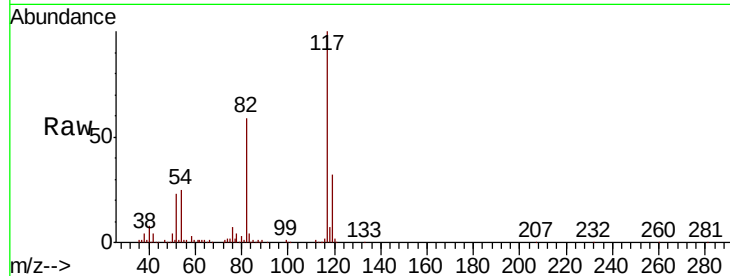
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.9	68.9
119	31.8	25.5	38.3

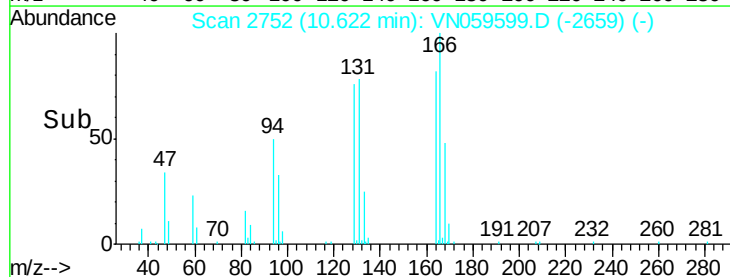
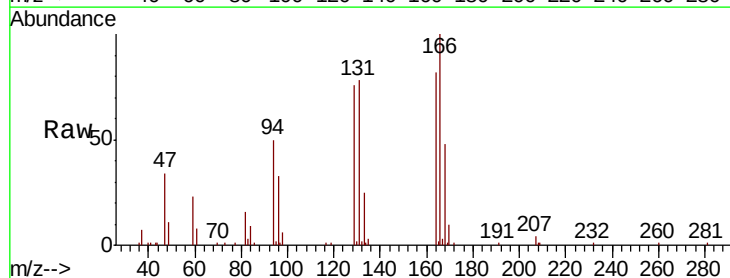
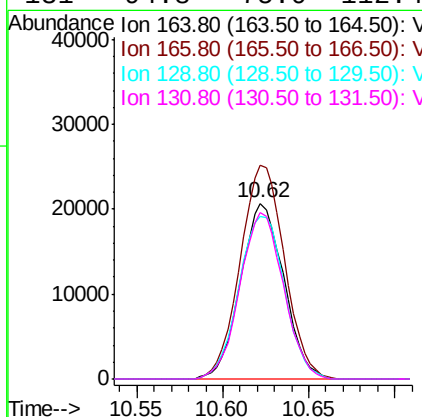
Manual Integrations
APPROVED

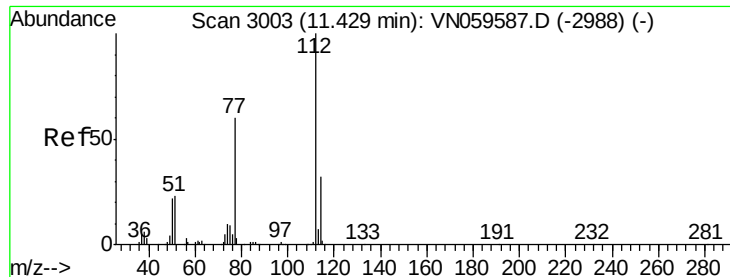
apatel
12/17/2019 12:51:13 PM



#64
Tetrachloroethene
Concen: 10.378 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.4	152.0
129	92.2	80.2	120.4
131	94.8	75.0	112.4





#65

Chlorobenzene

Concen: 11.234 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion:112 Resp: 91161

Ion Ratio Lower Upper

112 100

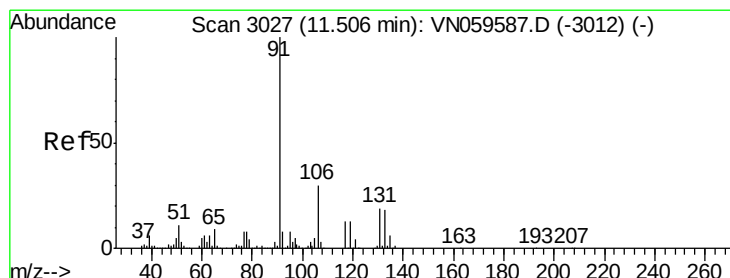
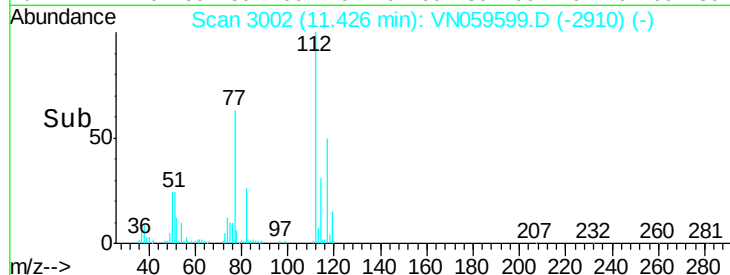
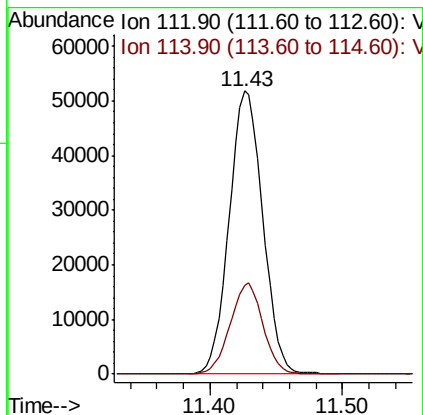
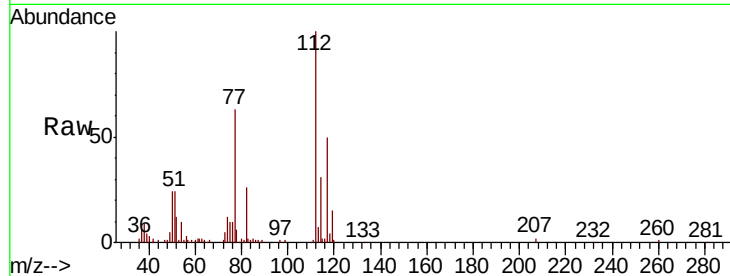
114 31.4 25.8 38.8

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 10.899 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

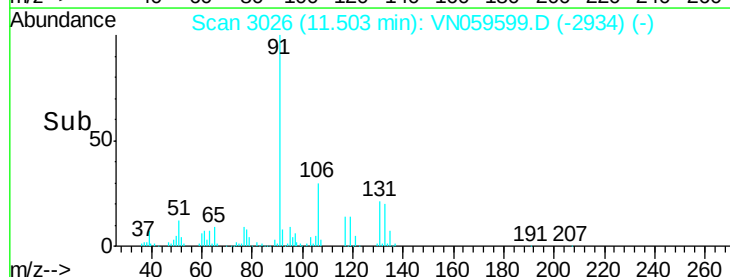
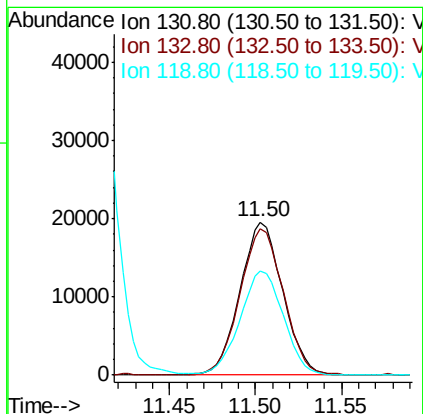
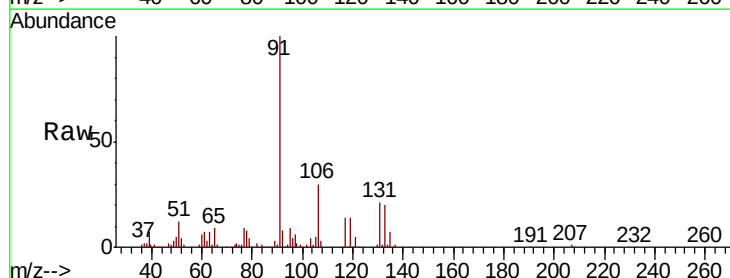
Tgt Ion:131 Resp: 33594

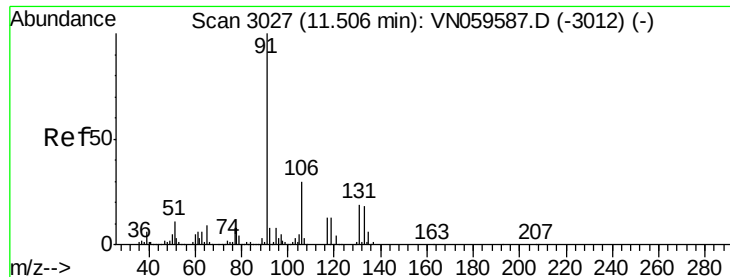
Ion Ratio Lower Upper

131 100

133 98.1 47.4 142.2

119 69.7 33.1 99.3





#67

Ethyl Benzene

Concen: 11.070 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 91 Resp: 162140

Ion Ratio Lower Upper

91 100

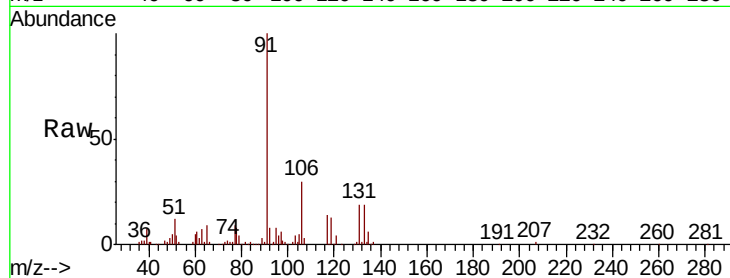
106 30.5 24.1 36.1

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



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

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

150000

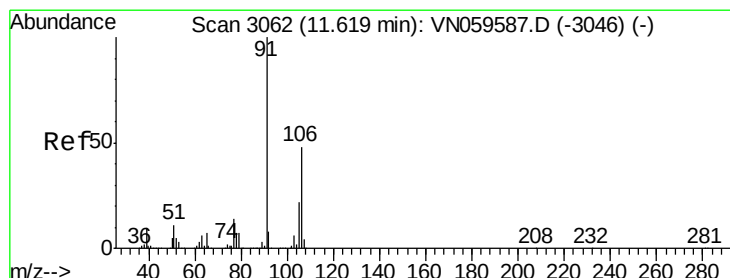
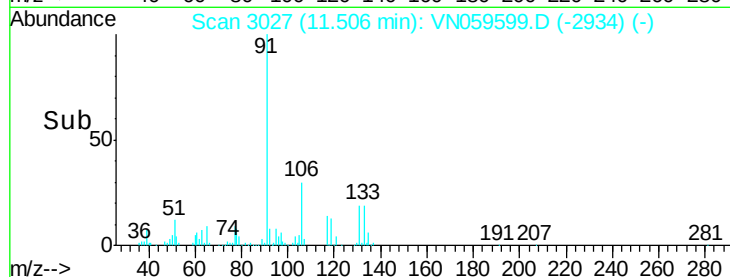
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 22.012 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059599.D

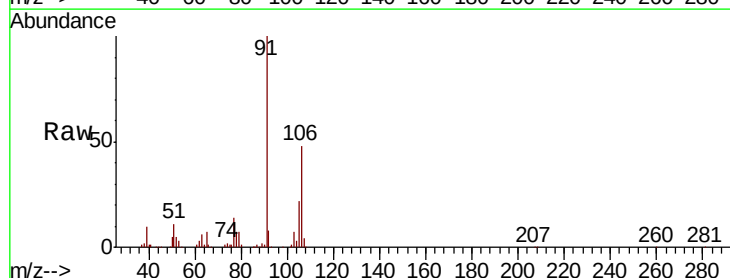
Acq: 16 Dec 2019 13:38

Tgt Ion: 106 Resp: 119056

Ion Ratio Lower Upper

106 100

91 209.4 167.9 251.9



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

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

150000

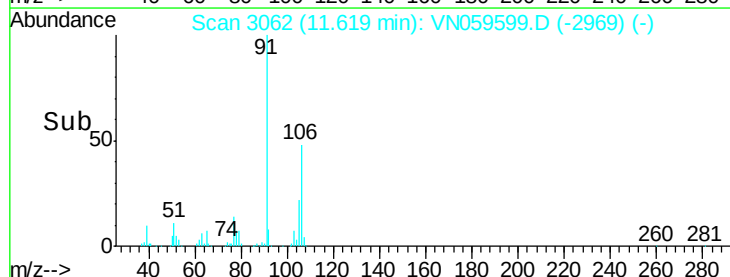
100000

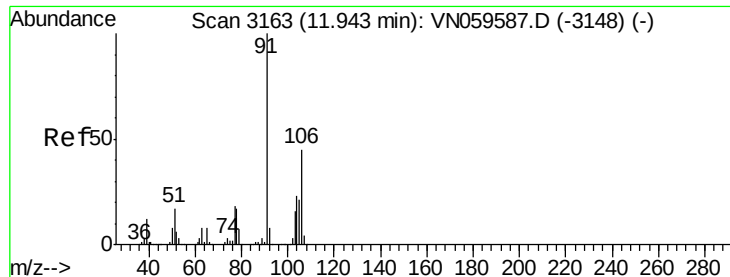
50000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





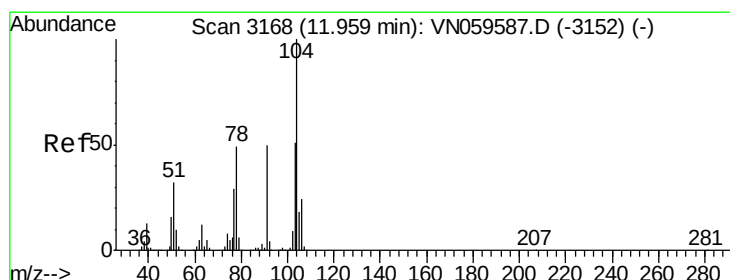
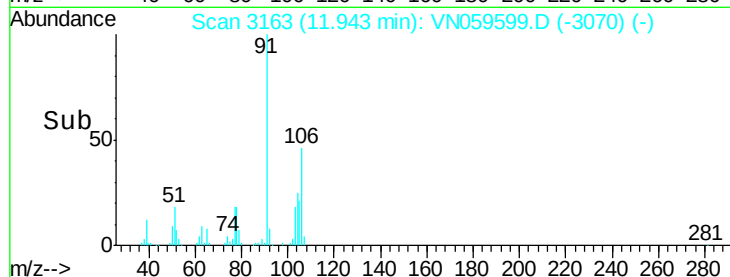
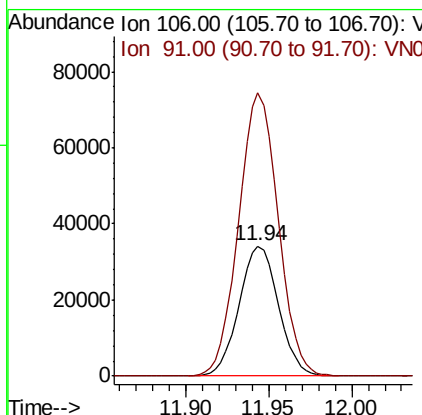
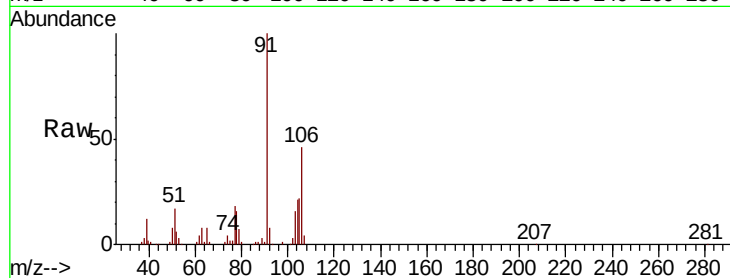
#69
o-Xylene
Concen: 10.969 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion:106 Resp: 56451
Ion Ratio Lower Upper
106 100
91 219.5 110.3 330.9

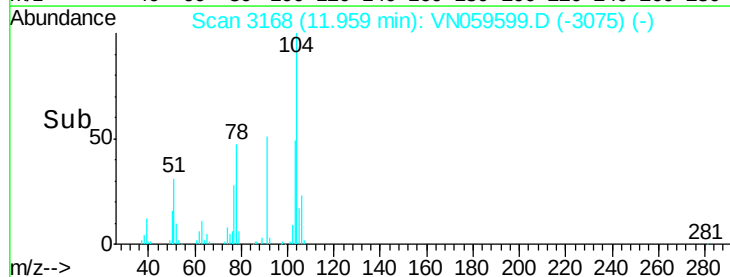
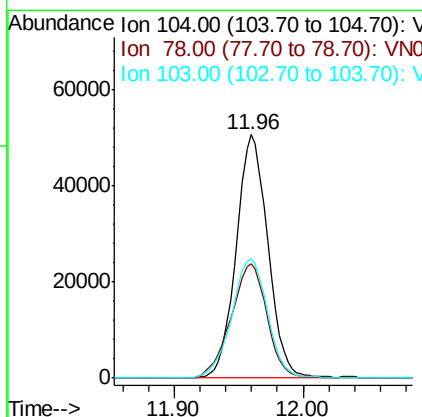
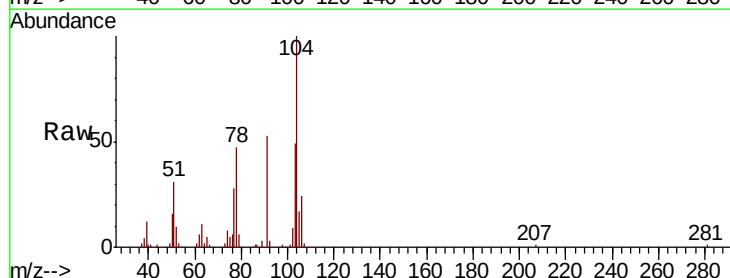
Manual Integrations
APPROVED

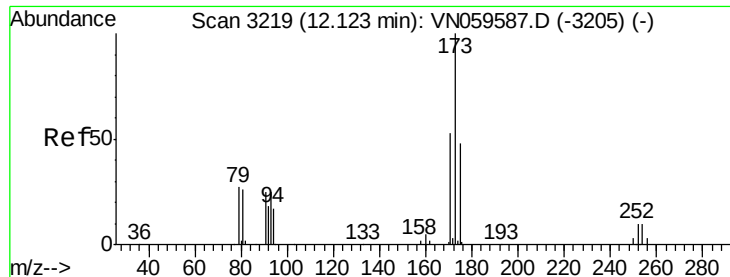
apatel
12/17/2019 12:51:13 PM



#70
Styrene
Concen: 10.503 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion:104 Resp: 86847
Ion Ratio Lower Upper
104 100
78 53.3 42.4 63.6
103 55.1 43.9 65.9





#71

Bromoform

Concen: 10.852 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

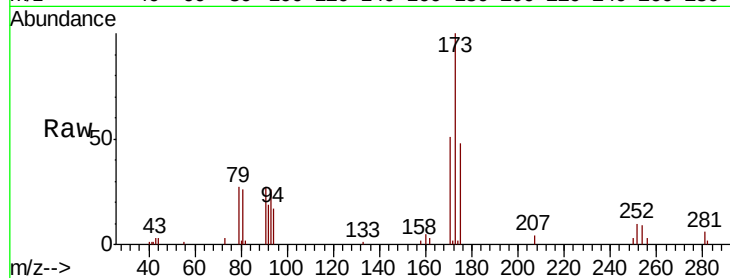
ClientSampleId :

VN1216WBS01

Tot Ion:	173	Resp:	25143
Ion Ratio	Lower	Upper	
173	100		
175	49.9	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM

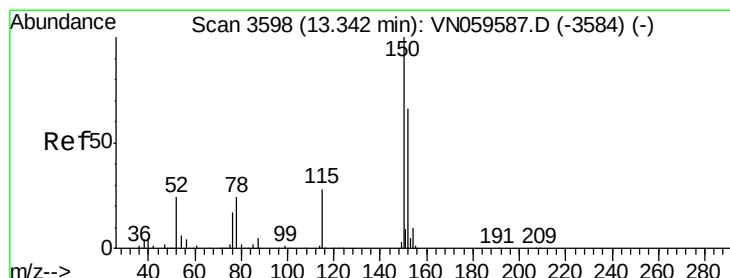
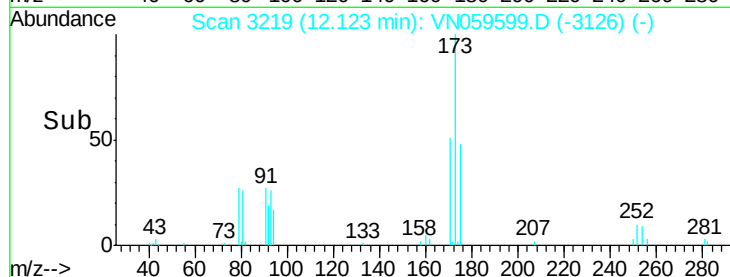
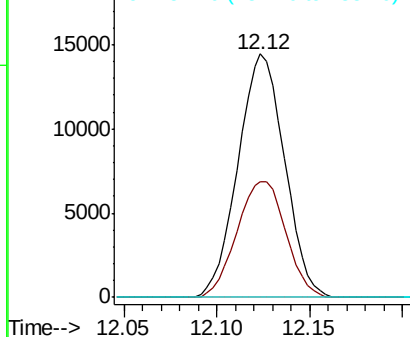


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

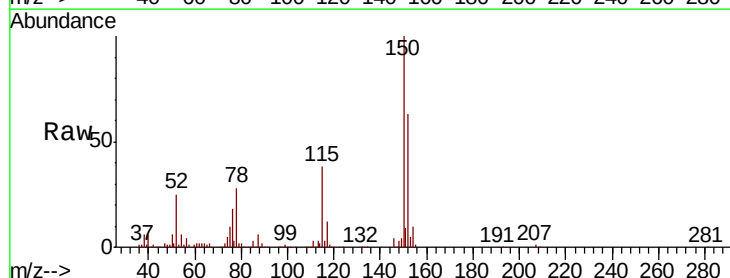
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	152	Resp:	167595
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.3	90.9
150	162.2	0.0	345.2

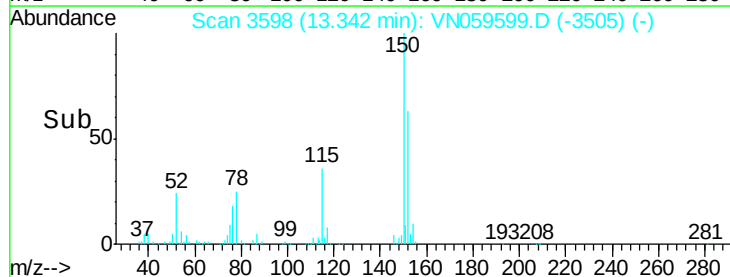
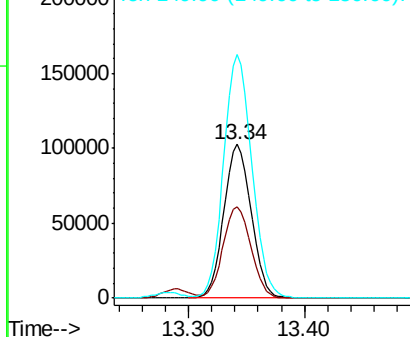


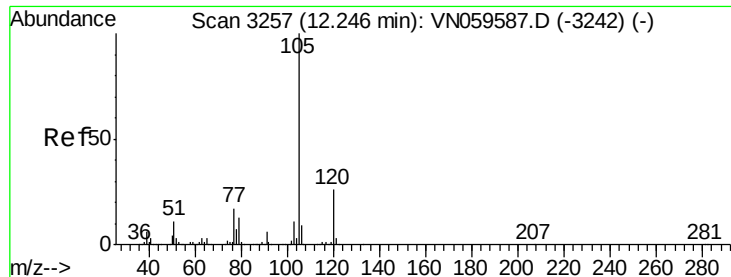
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.498 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 105 Resp: 151266

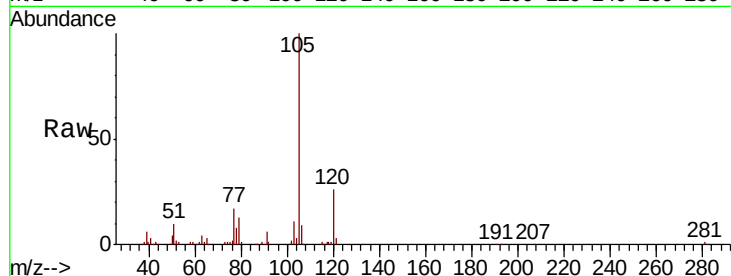
Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.5

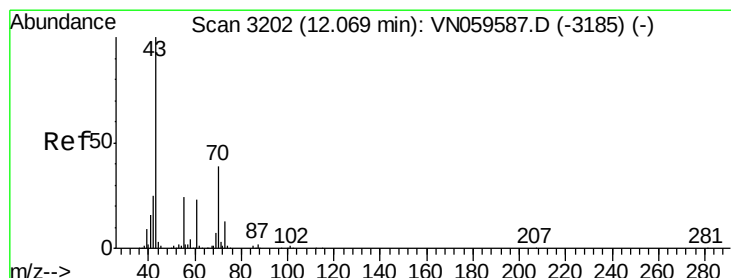
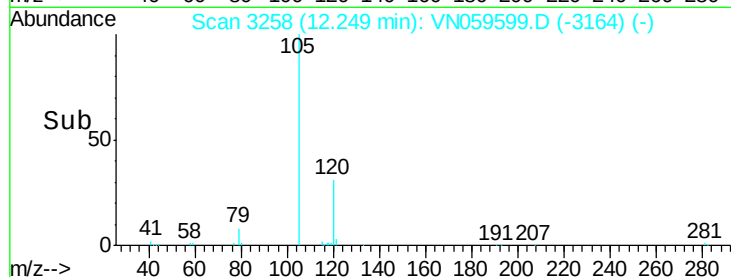
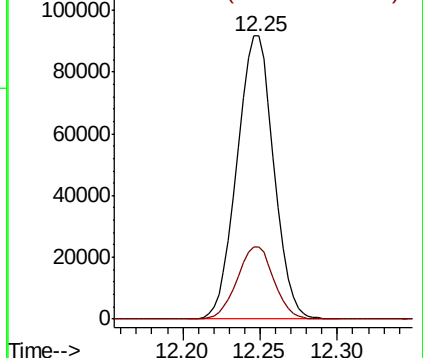
Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.702 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion: 43 Resp: 64583

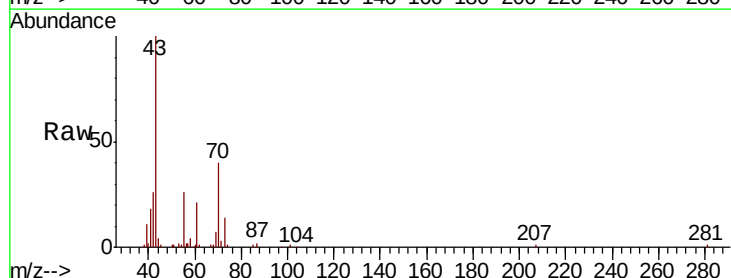
Ion Ratio Lower Upper

43 100

70 38.5 31.3 46.9

55 26.9 19.8 29.6

61 21.1 18.3 27.5

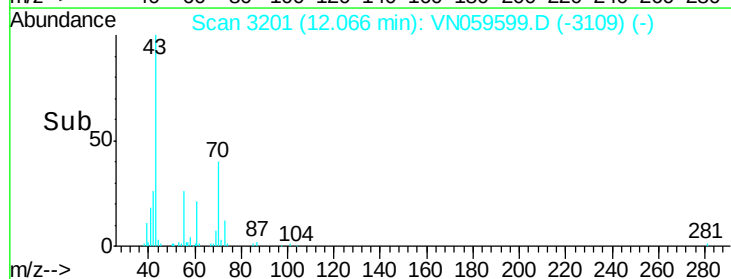
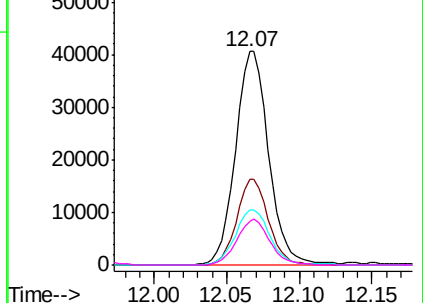


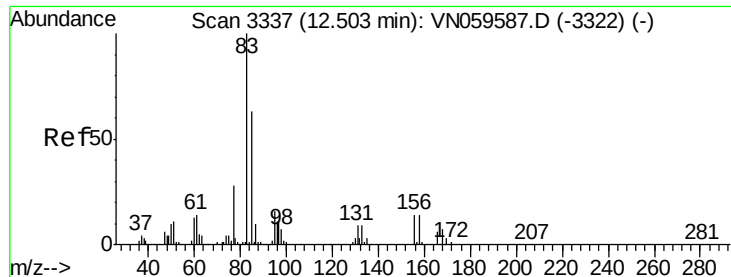
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 11.464 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

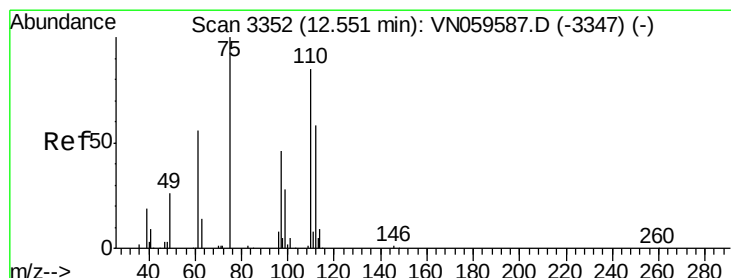
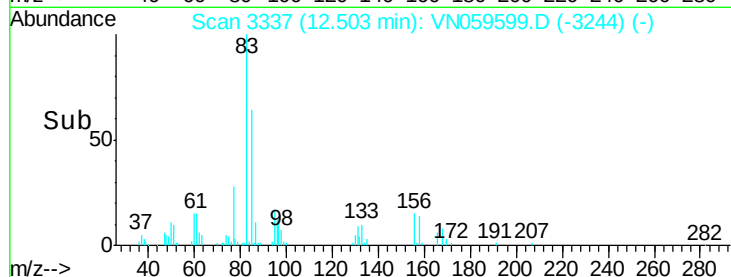
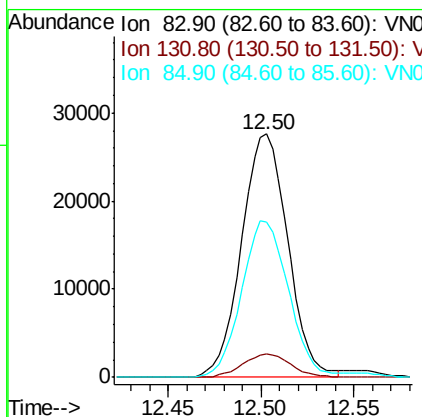
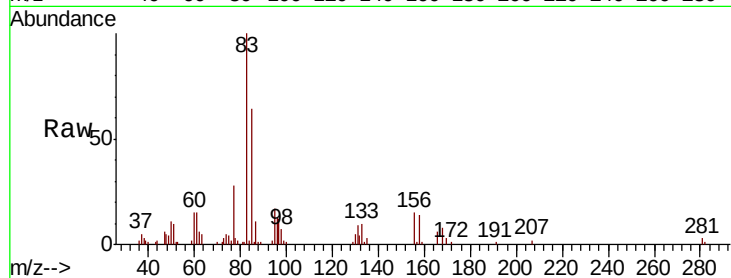
ClientSampleId :

VN1216WBS01

Tot Ion:	83	Resp:	47842
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	65.1	31.9	95.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#76

1,2,3-Trichloropropane

Concen: 11.675 ug/l m

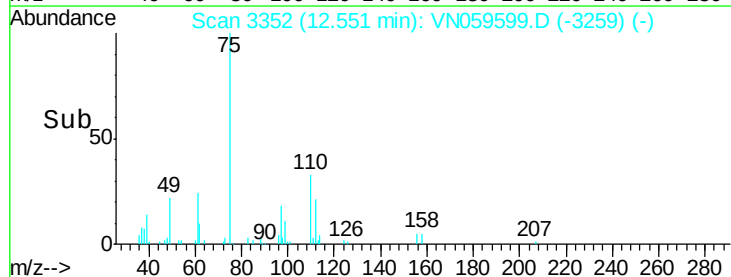
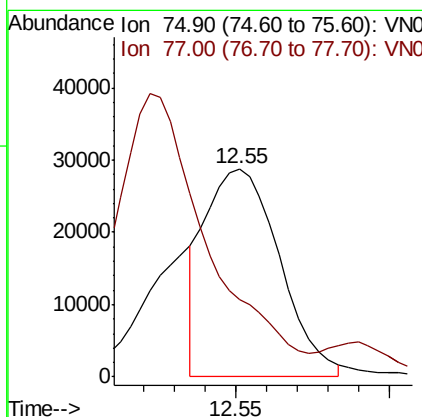
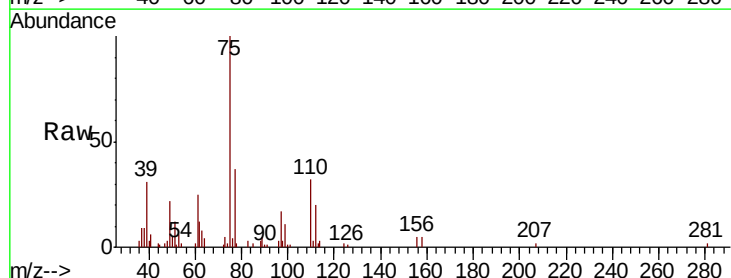
RT: 12.55 min Scan# 3352

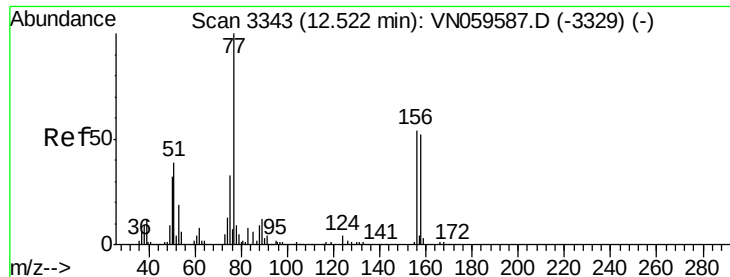
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	75	Resp:	48437
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 11.393 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

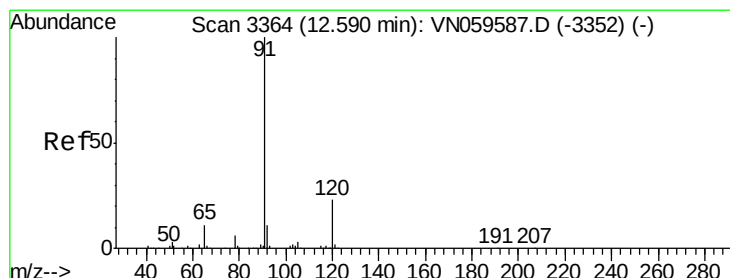
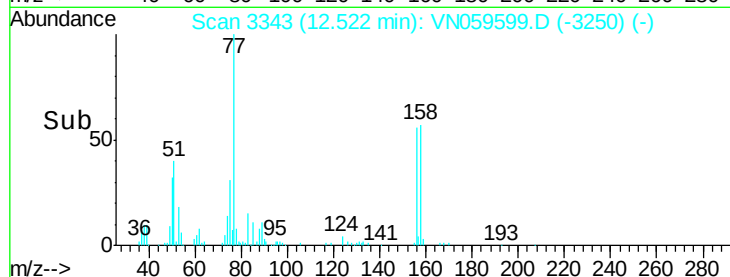
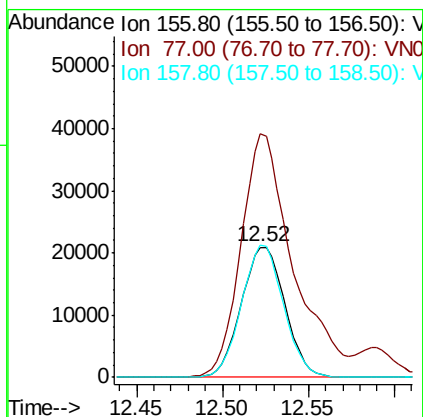
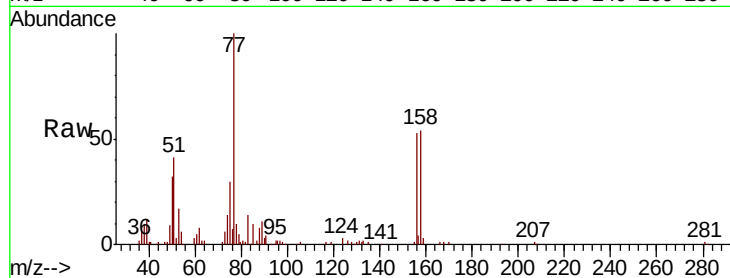
ClientSampleId :

VN1216WBS01

Tot Ion:	156	Resp:	36861
Ion	Ratio	Lower	Upper
156	100		
77	223.4	115.8	347.4
158	97.5	49.2	147.6

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#78

n-propylbenzene

Concen: 11.370 ug/l

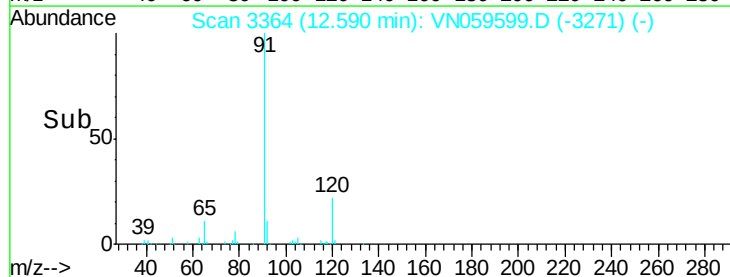
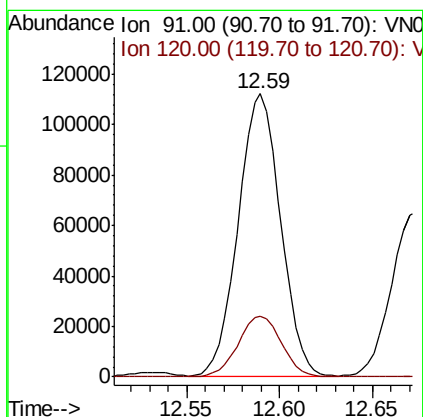
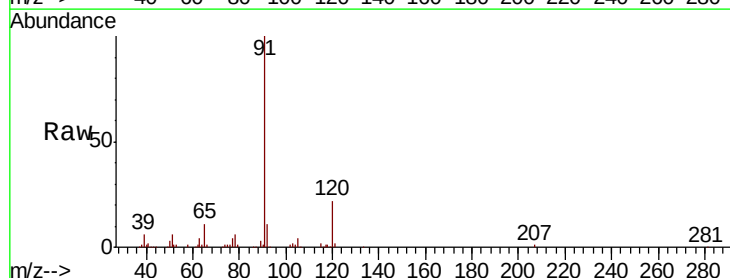
RT: 12.59 min Scan# 3364

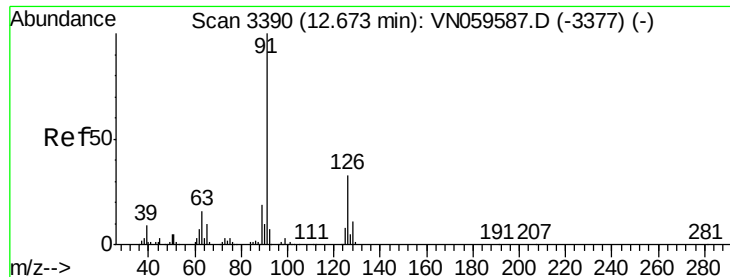
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	91	Resp:	176823
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 11.369 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion: 91 Resp: 106910

Ion Ratio Lower Upper

91 100

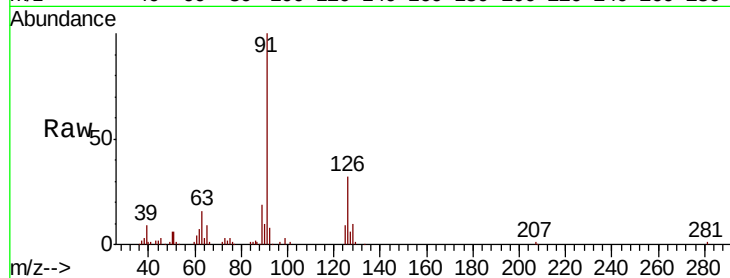
126 32.7 16.3 48.9

Manual Integrations

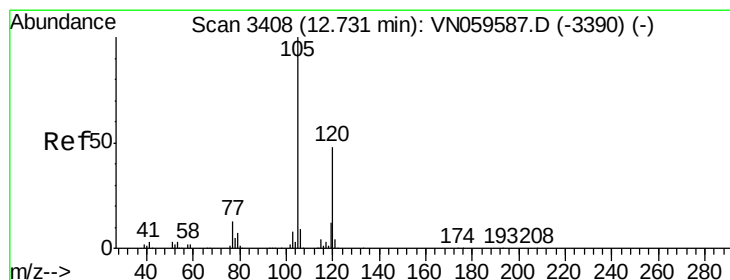
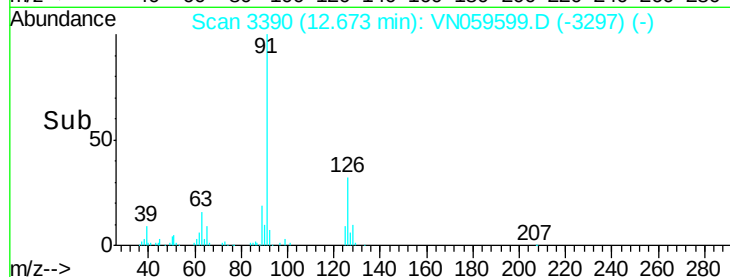
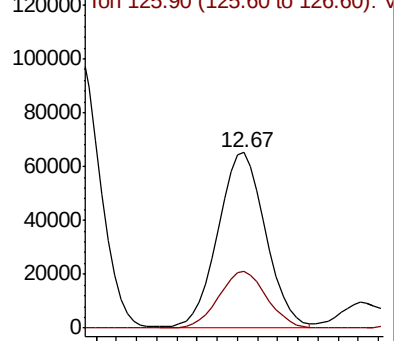
APPROVED

apatel

12/17/2019 12:51:13 PM



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



#80

1,3,5-Trimethylbenzene

Concen: 11.505 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059599.D

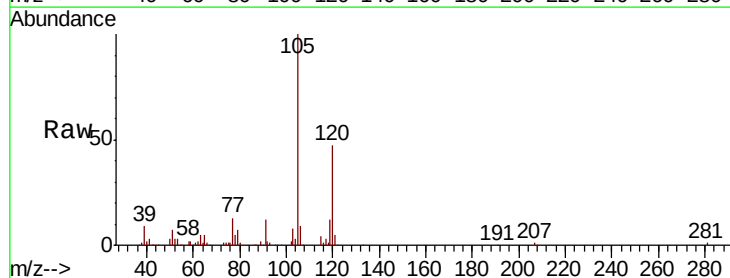
Acq: 16 Dec 2019 13:38

Tgt Ion: 105 Resp: 128093

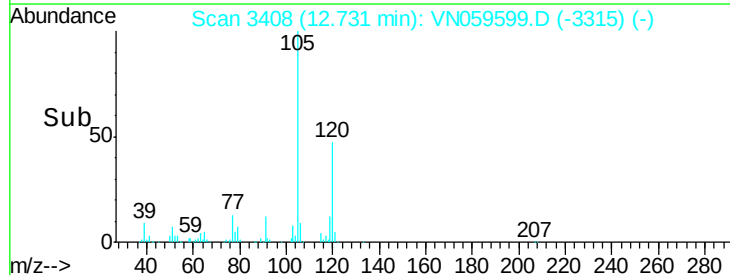
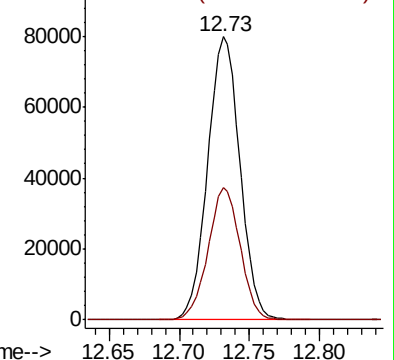
Ion Ratio Lower Upper

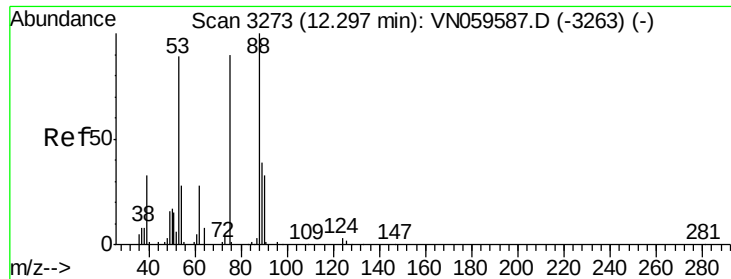
105 100

120 46.3 24.1 72.4



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





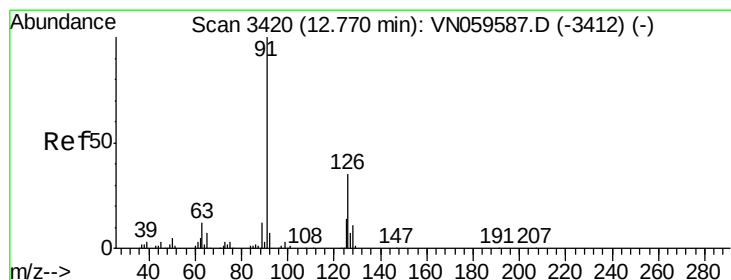
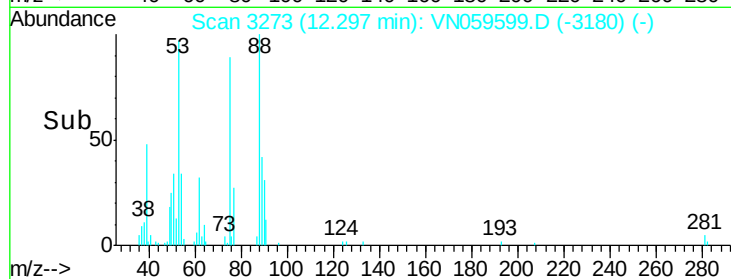
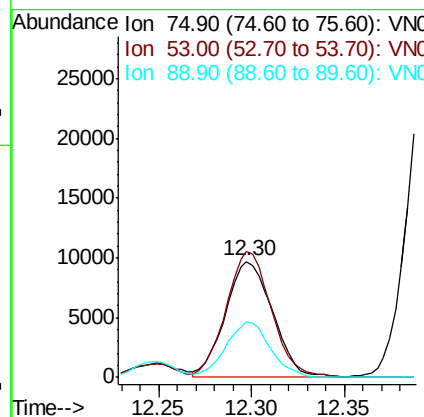
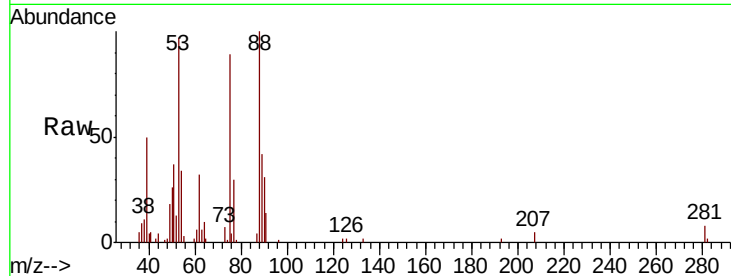
#81
trans-1,4-Dichloro-2-butene
Concen: 10.190 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	78.1	117.1
89	45.2	35.4	53.2

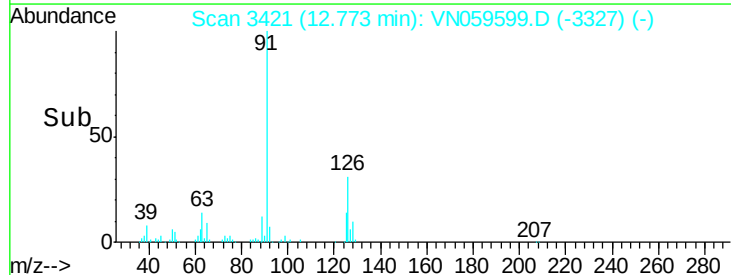
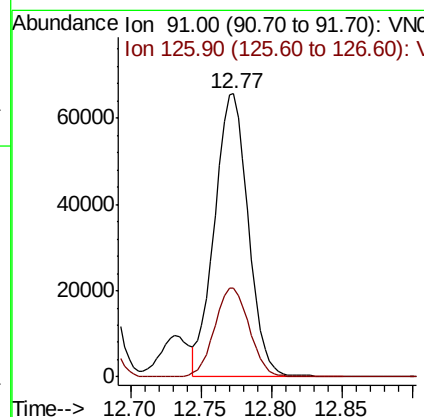
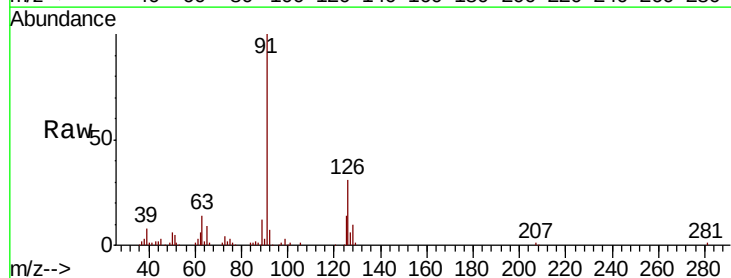
Manual Integrations
APPROVED

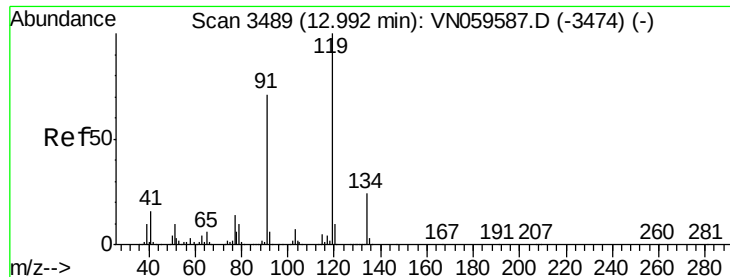
apatel
12/17/2019 12:51:13 PM



#82
4-Chlorotoluene
Concen: 11.315 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.8





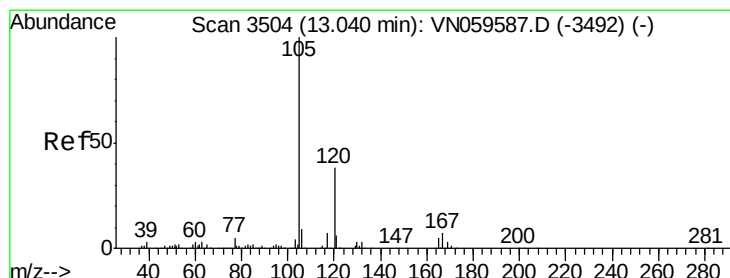
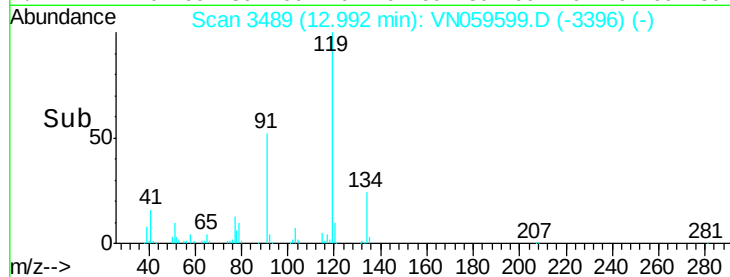
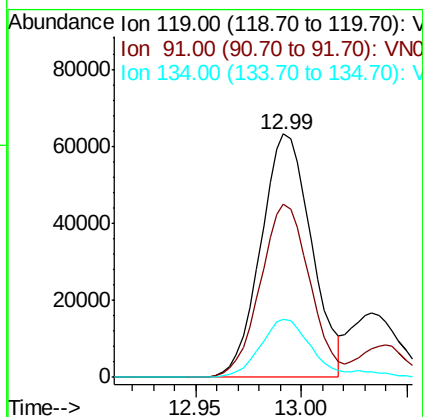
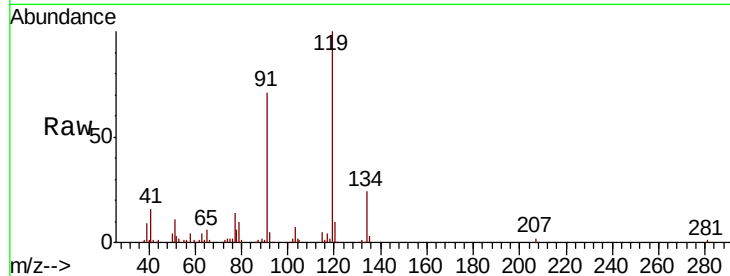
#83
tert-Butylbenzene
Concen: 11.176 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	34.8	104.4
134	25.4	12.3	36.9

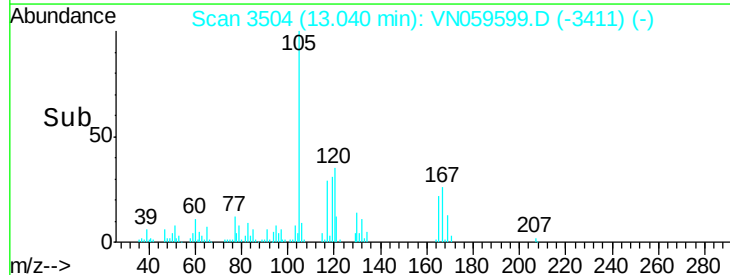
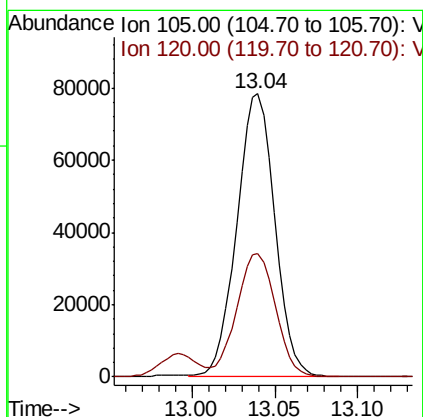
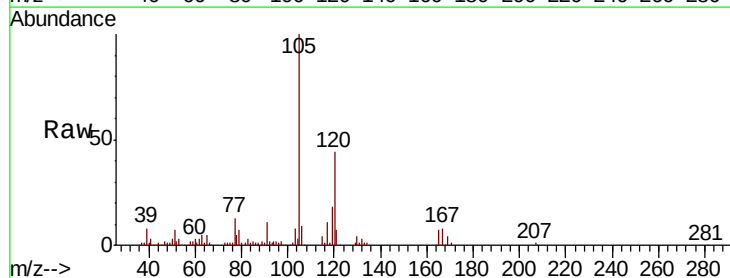
Manual Integrations
APPROVED

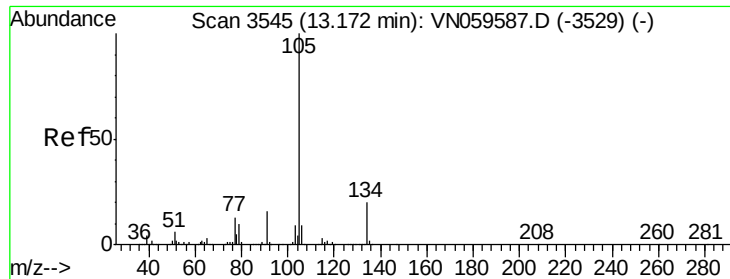
apatel
12/17/2019 12:51:13 PM



#84
1,2,4-Trimethylbenzene
Concen: 11.209 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.9





#85

sec-Butylbenzene

Concen: 11.299 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tot Ion:105 Resp: 141715

Ion Ratio Lower Upper

105 100

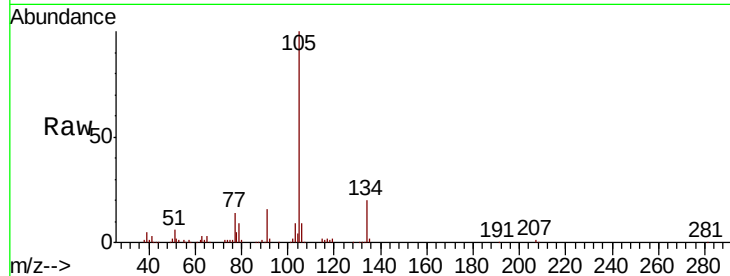
134 19.4 9.8 29.5

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

100000

80000

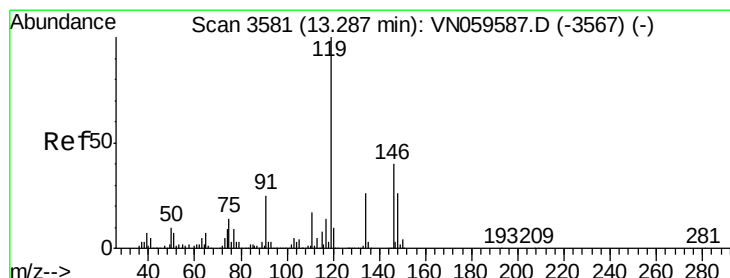
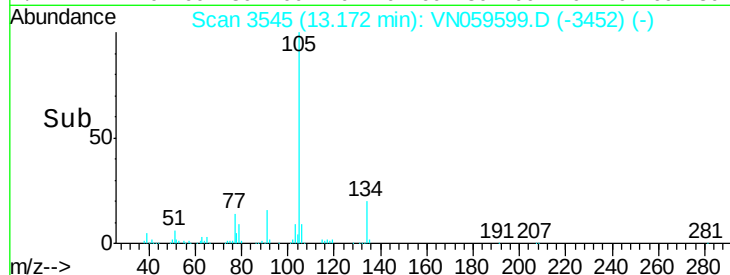
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 11.098 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

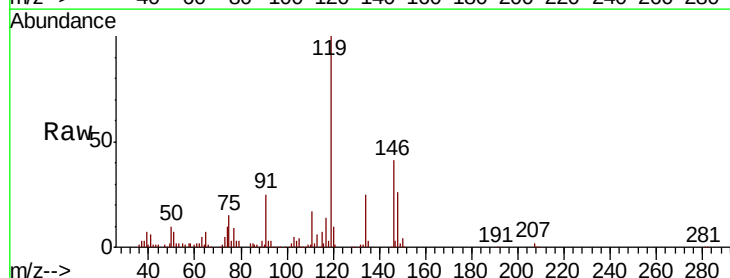
Tgt Ion:119 Resp: 126067

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 25.3 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

100000

80000

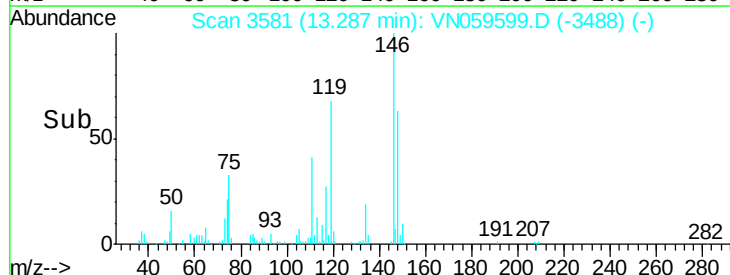
60000

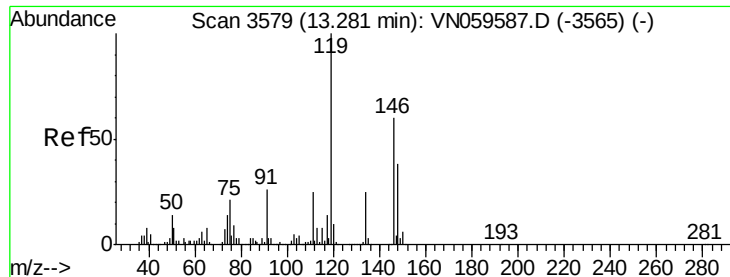
40000

20000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.878 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

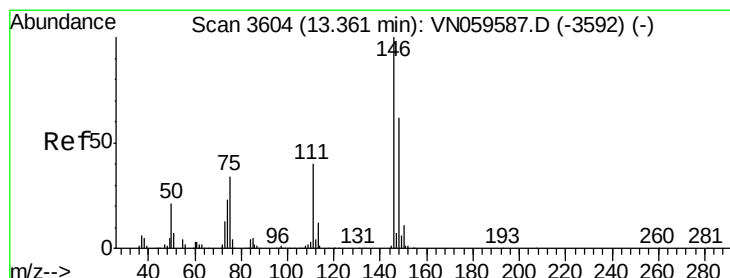
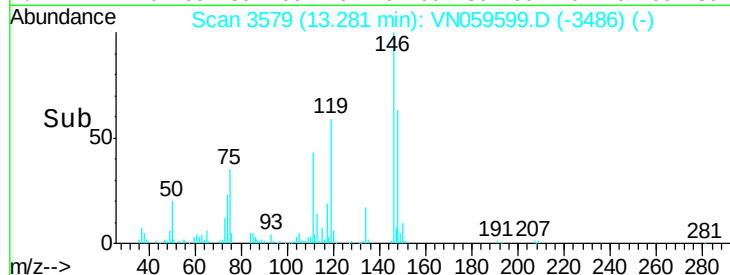
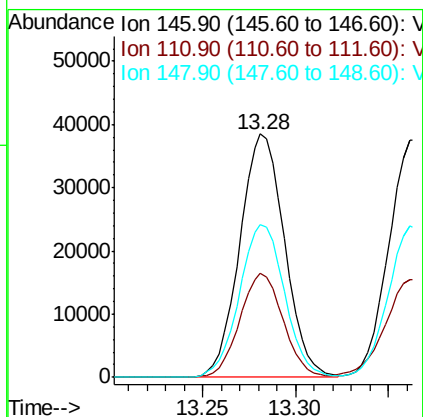
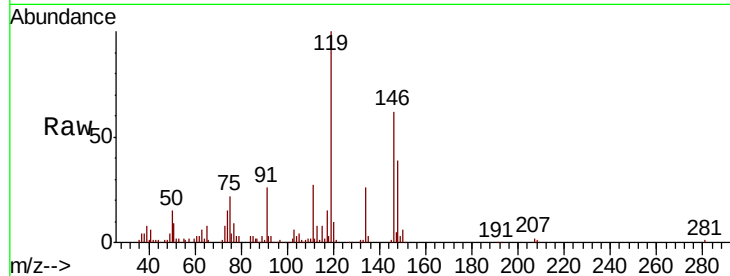
ClientSampleId :

VN1216WBS01

Tot Ion:	146	Resp:	64716
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.8	62.2
148	63.5	32.0	96.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#88

1,4-Dichlorobenzene

Concen: 10.790 ug/l

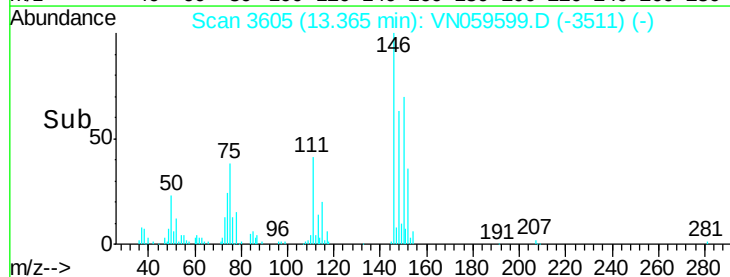
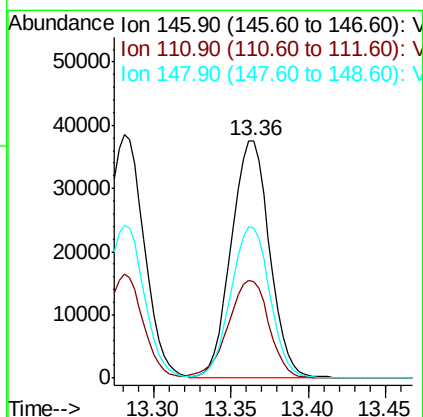
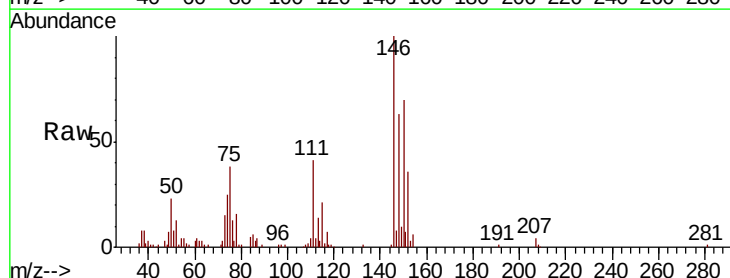
RT: 13.36 min Scan# 3605

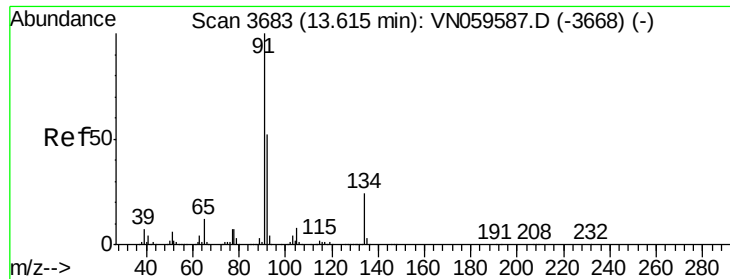
Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	146	Resp:	64720
Ion Ratio	Lower	Upper	
146	100		
111	44.0	20.8	62.2
148	65.0	31.8	95.4





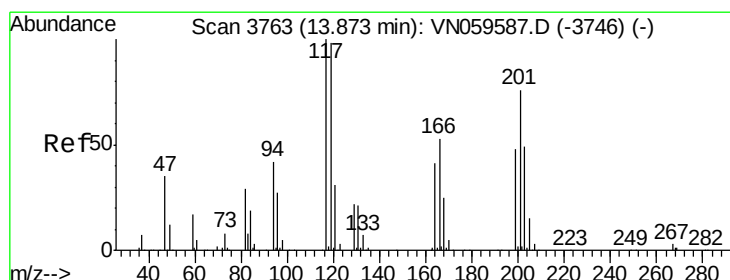
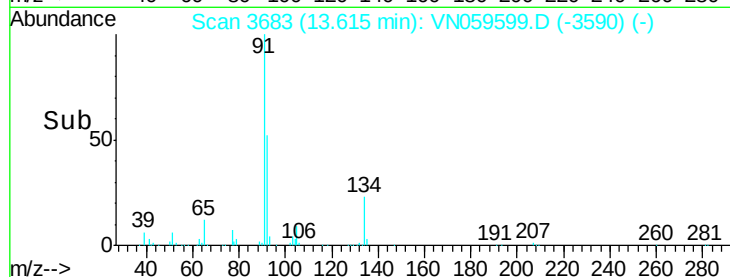
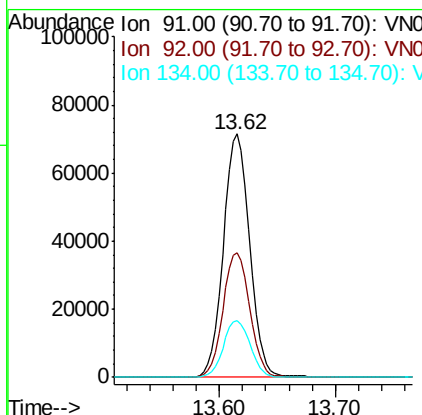
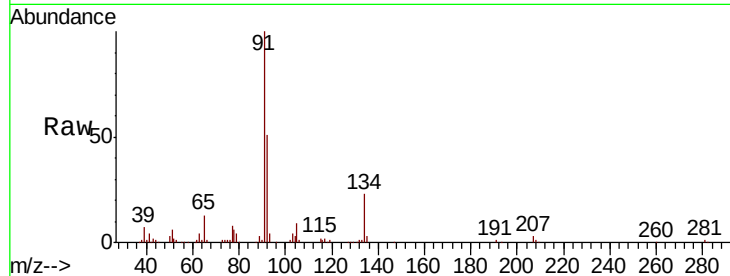
#89
n-Butylbenzene
Concen: 10.601 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	23.9	12.3	36.8

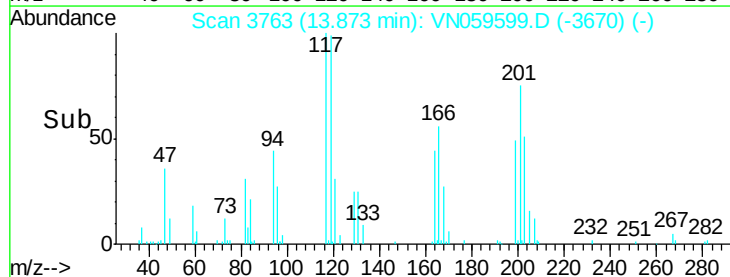
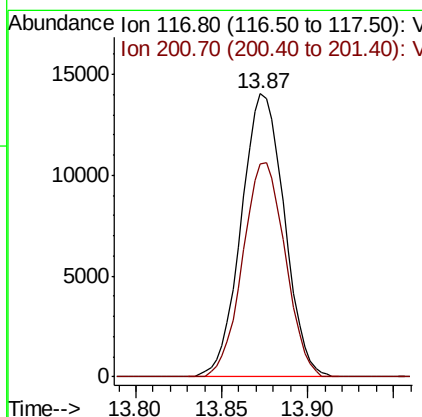
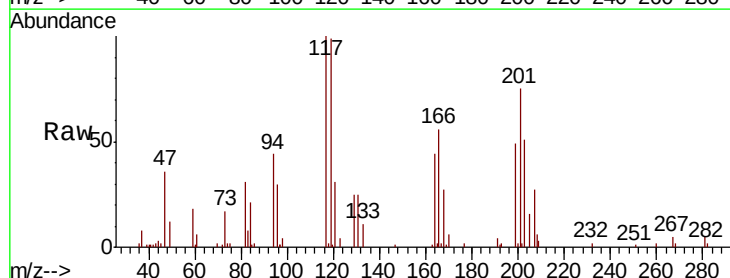
Manual Integrations
APPROVED

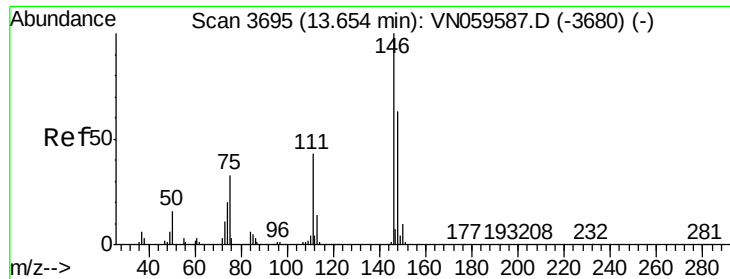
apatel
12/17/2019 12:51:13 PM



#90
Hexachloroethane
Concen: 11.383 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 10.930 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Instrument :

MSVOA_N

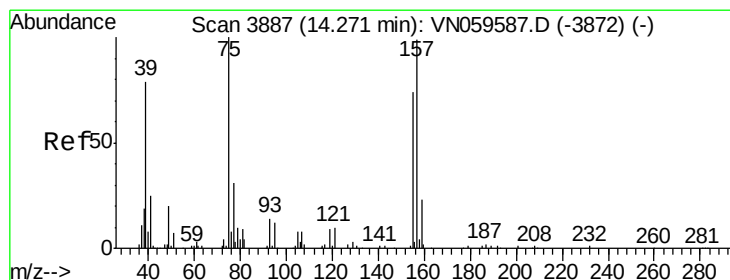
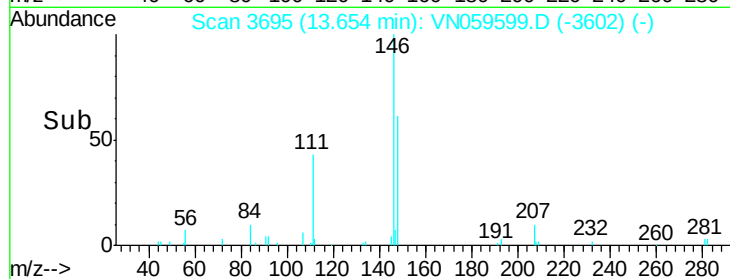
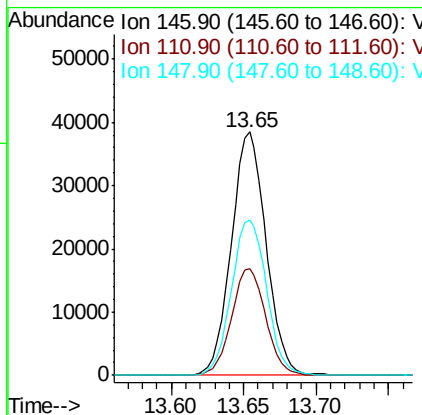
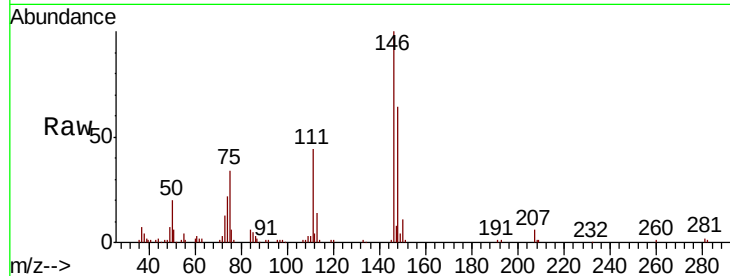
ClientSampleId :

VN1216WBS01

Tot Ion:	146	Resp:	64130
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.6	64.8
148	64.4	31.6	95.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.262 ug/l

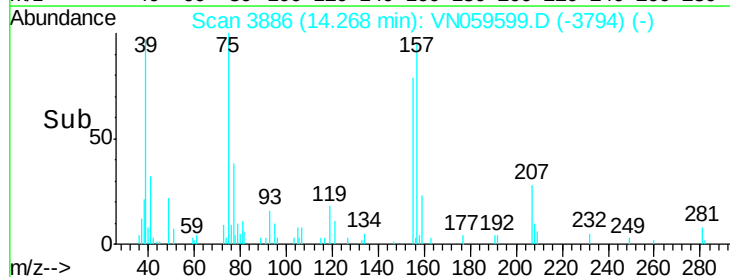
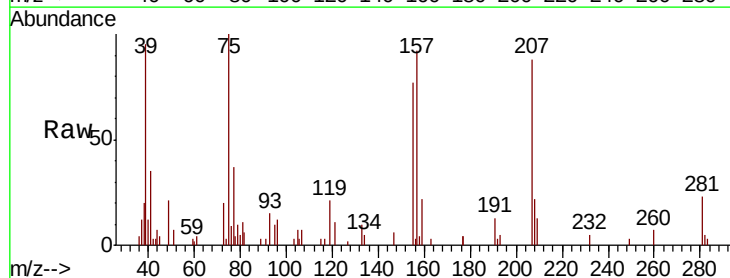
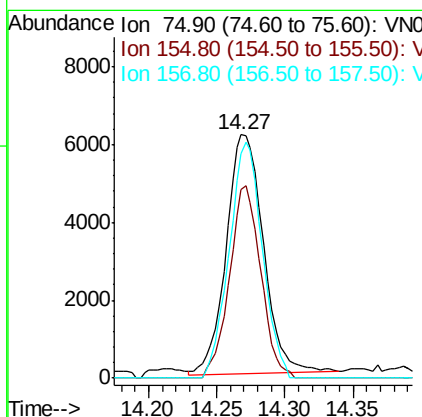
RT: 14.27 min Scan# 3886

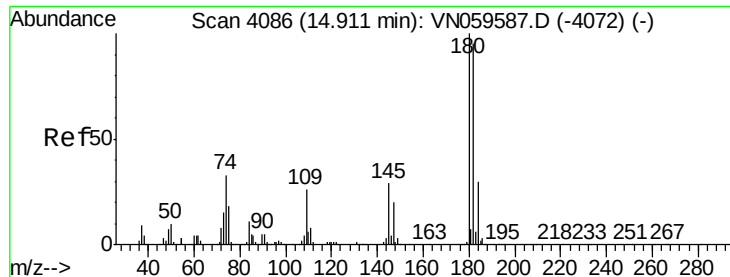
Delta R.T. -0.00 min

Lab File: VN059599.D

Acq: 16 Dec 2019 13:38

Tgt Ion:	75	Resp:	11691
Ion Ratio	Lower	Upper	
75	100		
155	67.4	37.0	110.9
157	87.3	48.4	145.2





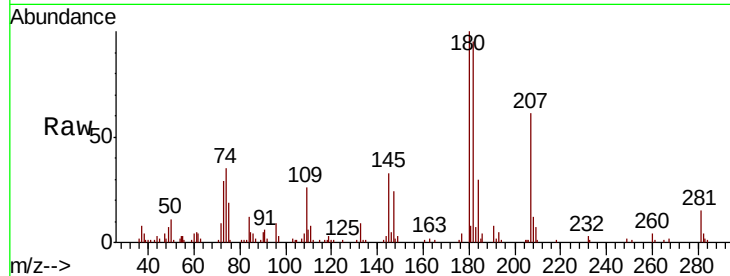
#93
 1,2,4-Trichlorobenzene
 Concen: 9.851 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

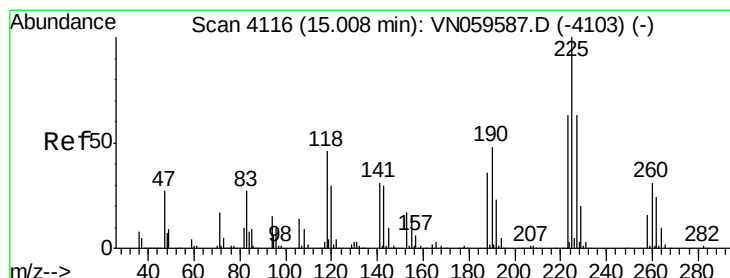
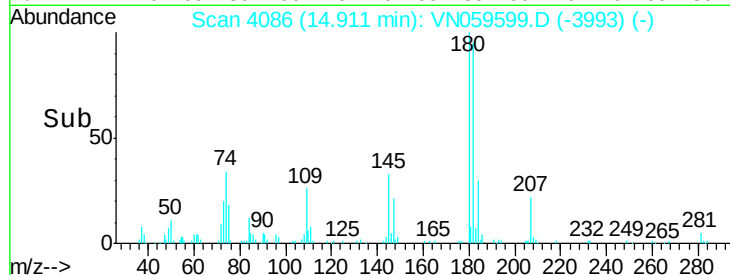
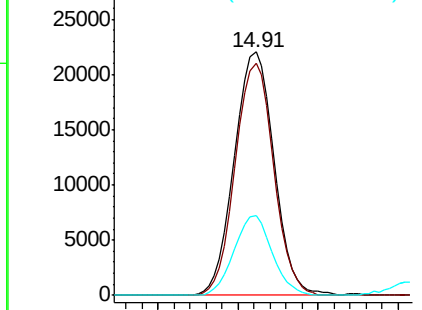
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.7
145	31.3	15.0	45.1

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:13 PM

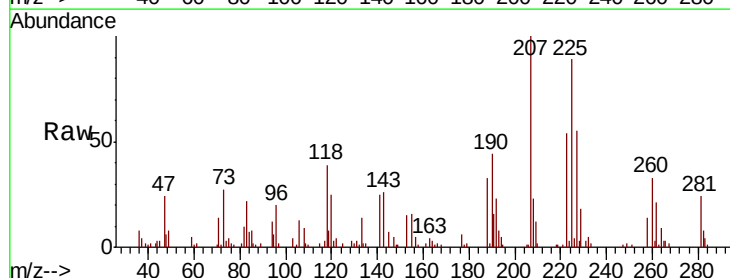


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

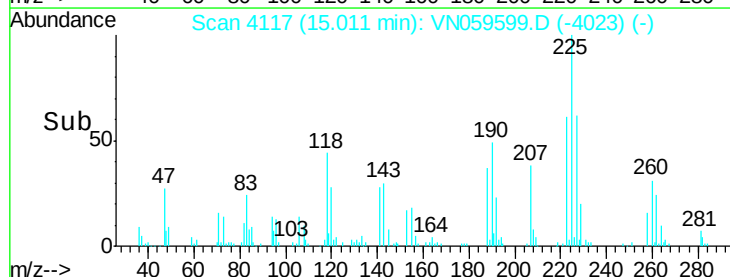
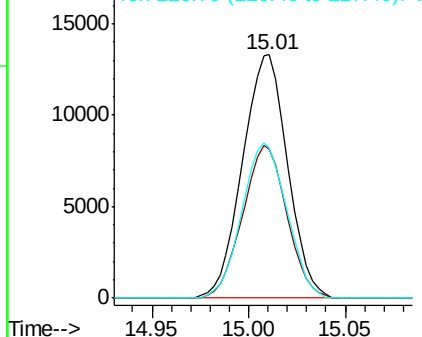


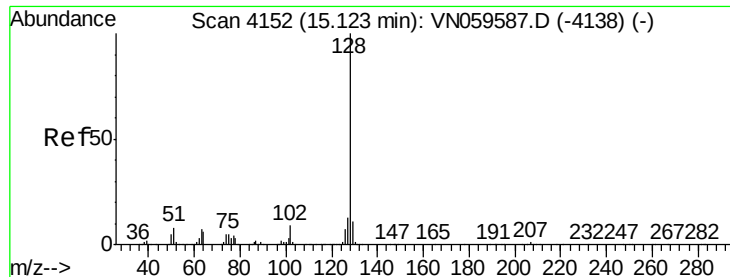
#94
 Hexachlorobutadiene
 Concen: 11.725 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059599.D
 Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.8	95.3
227	63.5	32.1	96.5



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





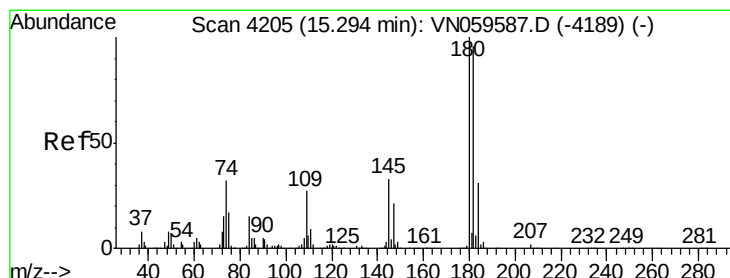
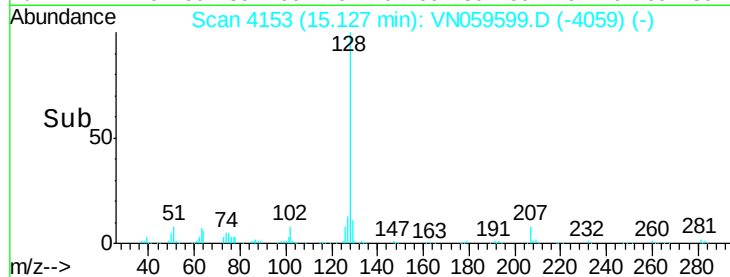
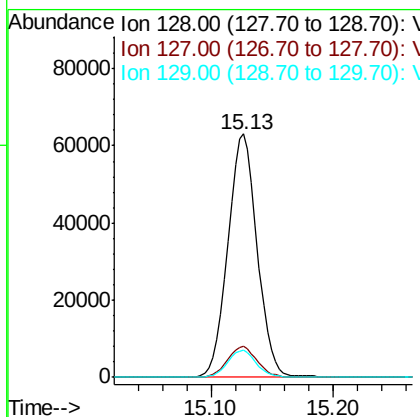
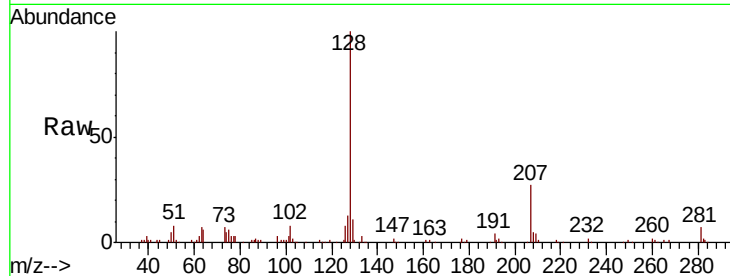
#95
Naphthalene
Concen: 9.360 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.738 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059599.D
Acq: 16 Dec 2019 13:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.3
145	33.3	16.3	48.9

