

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059602.D
 Acq On : 16 Dec 2019 14:56
 Operator : JC/SP
 Sample : VN1216WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:19 PM

Quant Time: Dec 17 05:48:01 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	254287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	405540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	369783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	173894	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.56	113	121534	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.08	98	482697	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	169523	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59902	18.230	ug/l	99
3) Chloromethane	2.04	50	87162	16.716	ug/l	97
4) Vinyl Chloride	2.17	62	89120	18.023	ug/l	97
5) Bromomethane	2.55	94	53145	18.488	ug/l	100
6) Chloroethane	2.69	64	50501	18.172	ug/l	95
7) Trichlorofluoromethane	3.00	101	102021	18.804	ug/l	99
8) Diethyl Ether	3.38	74	32324	19.068	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51064	18.677	ug/l	99
10) Methyl Iodide	3.92	142	66025	18.241	ug/l	99
11) Tert butyl alcohol	4.74	59	48617	71.667	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	48630	18.233	ug/l	97
13) Acrolein	3.58	56	32376	66.999	ug/l	99
14) Allyl chloride	4.29	41	96521	17.629	ug/l	98
15) Acrylonitrile	4.95	53	148438	90.461	ug/l	98
16) Acetone	3.79	43	160371	73.000	ug/l	98
17) Carbon Disulfide	4.03	76	153274	17.287	ug/l	99
18) Methyl Acetate	4.29	43	77537	16.844	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	173673	18.442	ug/l	98
20) Methylene Chloride	4.52	84	59592	18.782	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	53570	18.017	ug/l	97
22) Diisopropyl ether	5.92	45	187233	18.549	ug/l	94
23) Vinyl Acetate	5.86	43	799854	100.972	ug/l	99
24) 1,1-Dichloroethane	5.82	63	107234	18.754	ug/l	98
25) 2-Butanone	6.81	43	211275	80.423	ug/l	99
26) 2,2-Dichloropropane	6.80	77	97678	18.796	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	60649	18.408	ug/l	98
28) Bromochloromethane	7.17	49	22397	9.704	ug/l #	99
29) Tetrahydrofuran	7.18	42	137362	85.818	ug/l	100
30) Chloroform	7.35	83	105372	18.722	ug/l	100
31) Cyclohexane	7.63	56	98263	18.188	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	91852	18.102	ug/l	99
36) 1,1-Dichloropropene	7.77	75	79372	18.768	ug/l	100
37) Ethyl Acetate	6.90	43	88320	17.968	ug/l	99
38) Carbon Tetrachloride	7.75	117	80204	18.276	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059602.D
 Acq On : 16 Dec 2019 14:56
 Operator : JC/SP
 Sample : VN1216WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1216WBS03

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:19 PM

Quant Time: Dec 17 05:48:01 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	9.07	83	91420	19.057	ug/l	98
40) Benzene	8.02	78	234031	18.936	ug/l	99
41) Methacrylonitrile	7.15	41	33622m	16.574	ug/l	
42) 1,2-Dichloroethane	8.10	62	90211	19.059	ug/l	100
43) Isopropyl Acetate	8.14	43	140432	18.376	ug/l	100
44) Trichloroethene	8.82	130	59562	18.399	ug/l	100
45) 1,2-Dichloropropane	9.10	63	61959	18.565	ug/l	99
46) Dibromomethane	9.19	93	40692	18.610	ug/l	99
47) Bromodichloromethane	9.39	83	82054	18.822	ug/l	98
48) Methyl methacrylate	9.18	41	62081	17.905	ug/l	98
49) 1,4-Dioxane	9.18	88	13999	281.739	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	417446	91.616	ug/l	99
52) Toluene	10.14	92	143083	18.842	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	91784	18.205	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	98182	18.526	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	55554	18.643	ug/l	98
56) Ethyl methacrylate	10.42	69	78653	17.779	ug/l	98
57) 1,3-Dichloropropane	10.70	76	97013	18.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	144703	102.849	ug/l	100
59) 2-Hexanone	10.74	43	307594	85.655	ug/l	100
60) Dibromochloromethane	10.90	129	60194	18.508	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56855	17.990	ug/l	99
64) Tetrachloroethene	10.62	164	54203	15.724	ug/l	99
65) Chlorobenzene	11.43	112	146873	18.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	56000	18.426	ug/l	99
67) Ethyl Benzene	11.51	91	265110	18.356	ug/l	100
68) m/p-Xylenes	11.62	106	196795	36.900	ug/l	98
69) o-Xylene	11.94	106	93549	18.435	ug/l	98
70) Styrene	11.96	104	144541	17.728	ug/l	98
71) Bromoform	12.12	173	41085	17.984	ug/l #	98
73) Isopropylbenzene	12.25	105	251909	19.249	ug/l	100
74) N-amyl acetate	12.07	43	107695	17.940	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79180	19.073	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	83545m	20.243	ug/l	
77) Bromobenzene	12.52	156	60745	18.874	ug/l	99
78) n-propylbenzene	12.59	91	293865	18.996	ug/l	100
79) 2-Chlorotoluene	12.67	91	174907	18.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	212690	19.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29137	17.438	ug/l	96
82) 4-Chlorotoluene	12.77	91	181002	18.898	ug/l	100
83) tert-Butylbenzene	12.99	119	179611	19.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	209813	19.053	ug/l	100
85) sec-Butylbenzene	13.17	105	241608	19.366	ug/l	100
86) p-Isopropyltoluene	13.29	119	216239	19.137	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105904	17.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104686	17.545	ug/l	98
89) n-Butylbenzene	13.61	91	194585	18.368	ug/l	98
90) Hexachloroethane	13.87	117	40436	18.932	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	104432	17.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18698	17.204	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
Data File : VN059602.D
Acq On : 16 Dec 2019 14:56
Operator : JC/SP
Sample : VN1216WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM

Quant Time: Dec 17 05:48:01 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	59821	15.873	ug/l	98
94) Hexachlorobutadiene	15.01	225	36173	18.735	ug/l	97
95) Naphthalene	15.12	128	169898	15.101	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	61108	16.031	ug/l	97

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

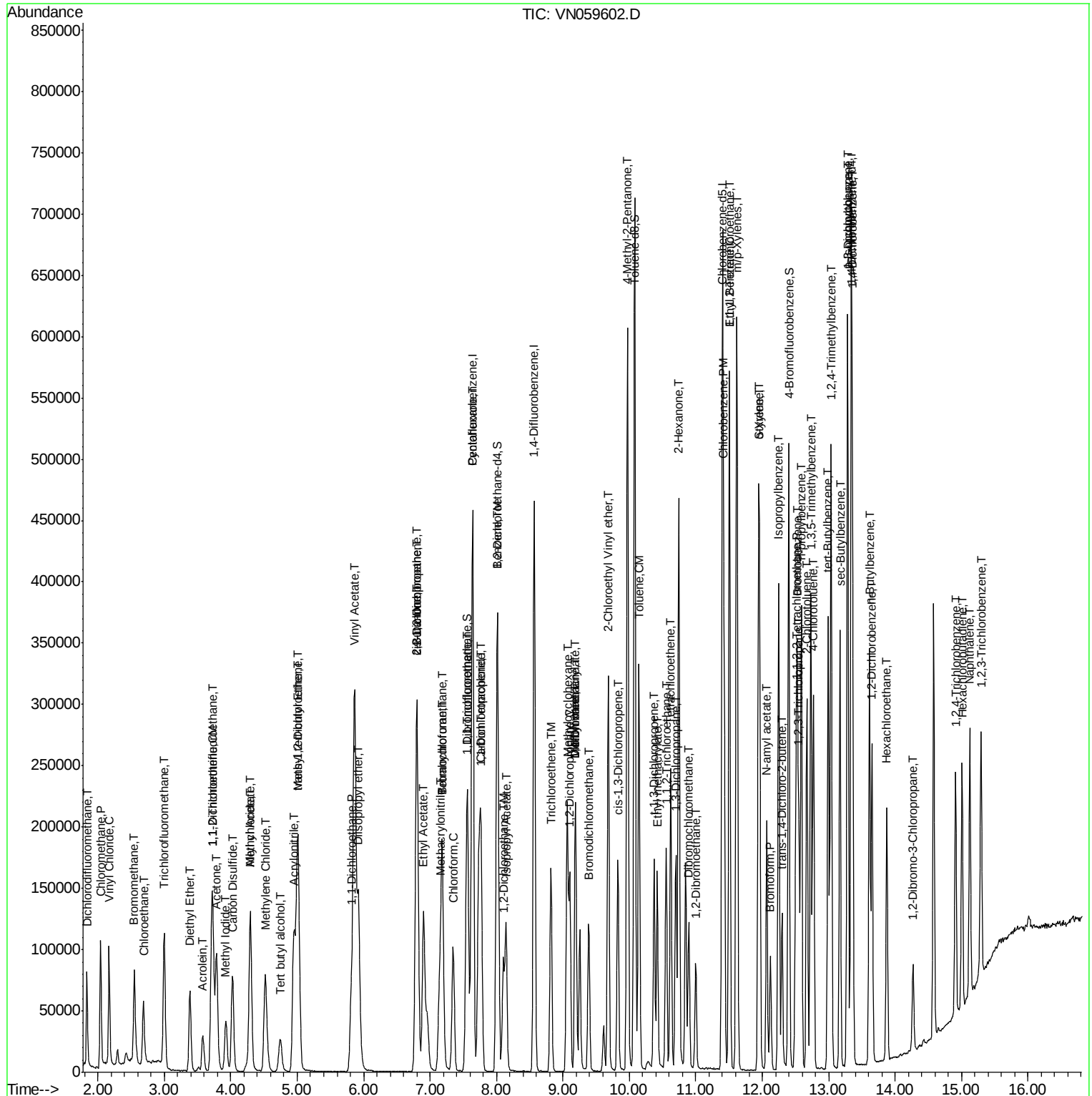
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059602.D
 Acq On : 16 Dec 2019 14:56
 Operator : JC/SP
 Sample : VN1216WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

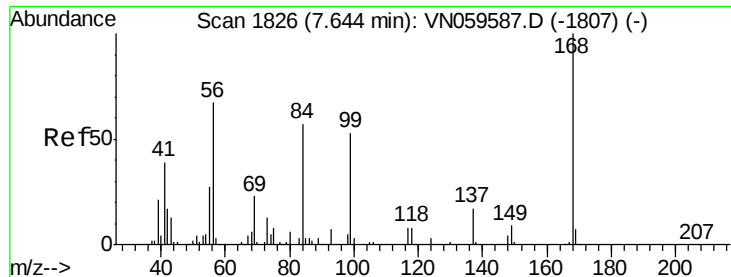
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1216WBS03

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:19 PM

Quant Time: Dec 17 05:48:01 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion:168 Resp: 254287

Ion Ratio Lower Upper

168 100

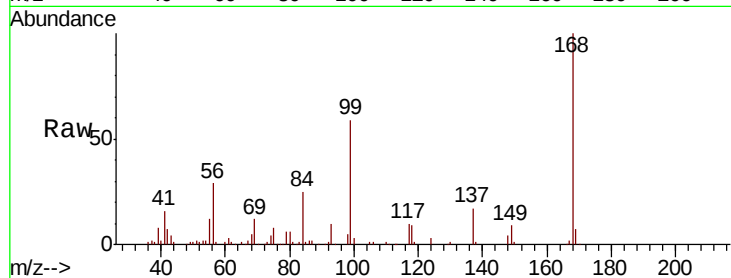
99 58.7 48.2 72.4

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

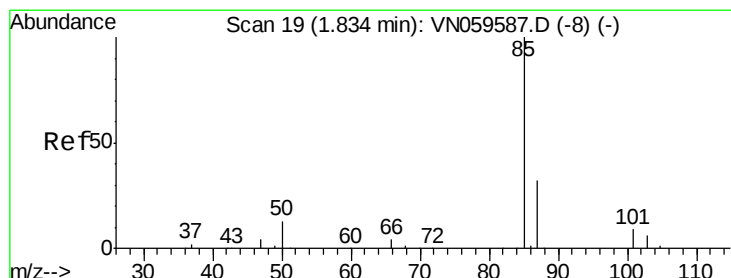
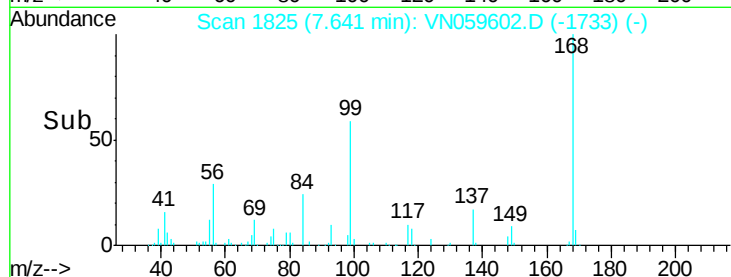
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.230 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059602.D

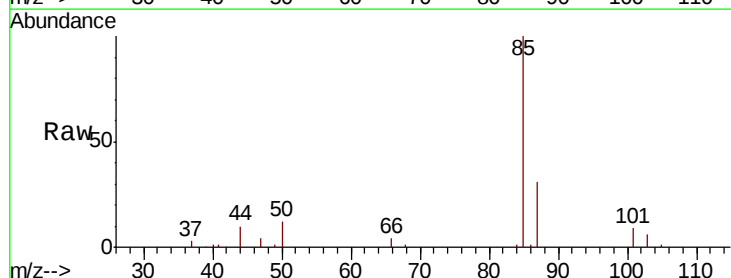
Acq: 16 Dec 2019 14:56

Tgt Ion: 85 Resp: 59902

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

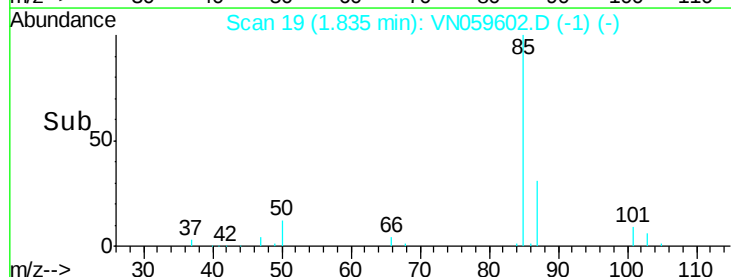
30000

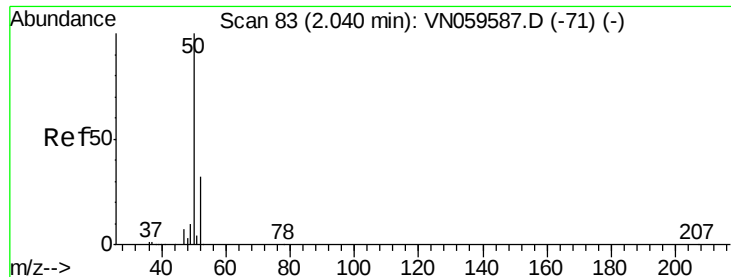
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.716 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 50 Resp: 87162

Ion Ratio Lower Upper

50 100

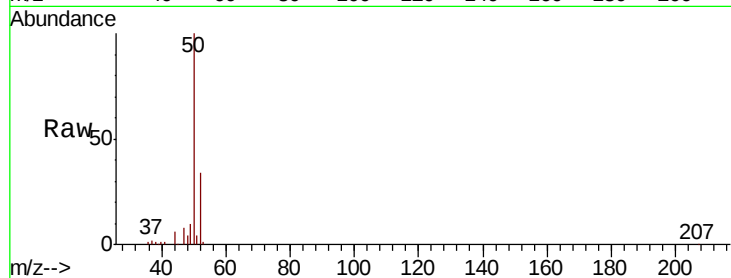
52 33.8 25.9 38.9

Manual Integrations

APPROVED

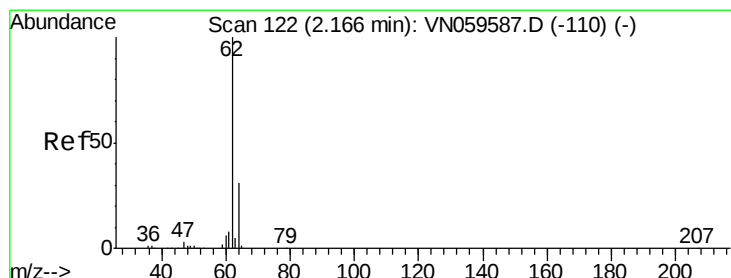
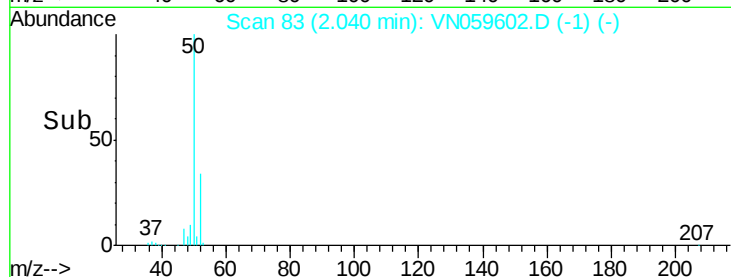
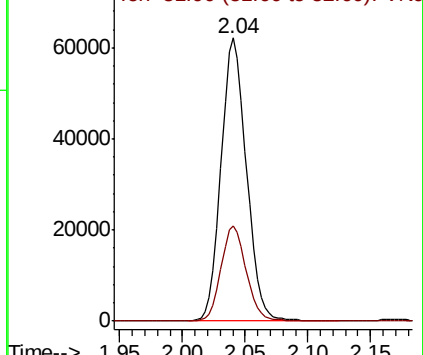
apatel

12/17/2019 12:51:19 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.023 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059602.D

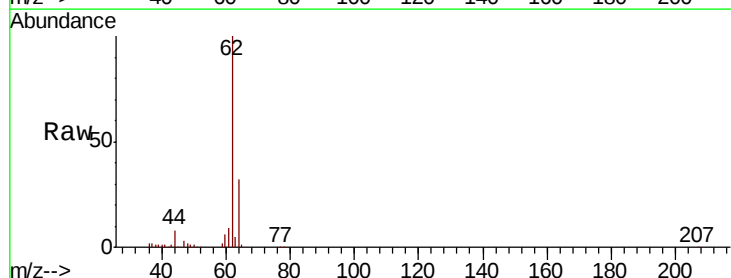
Acq: 16 Dec 2019 14:56

Tgt Ion: 62 Resp: 89120

Ion Ratio Lower Upper

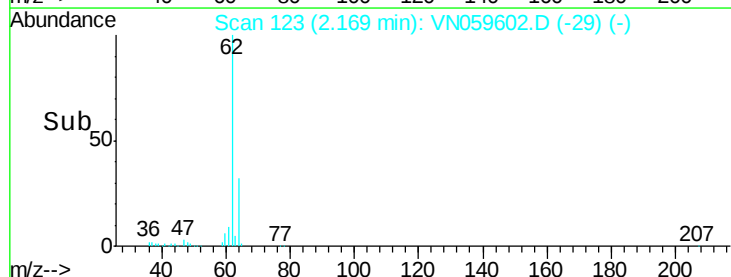
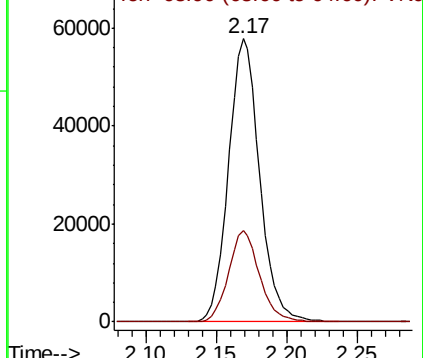
62 100

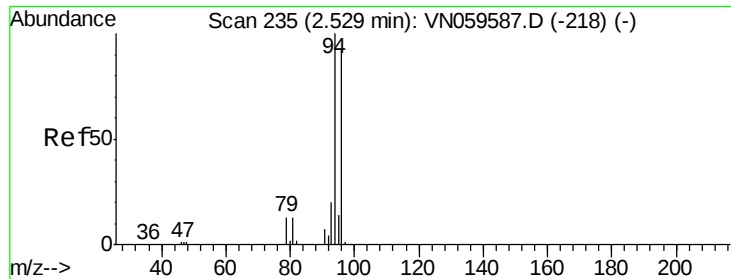
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.488 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 94 Resp: 53145

Ion Ratio Lower Upper

94 100

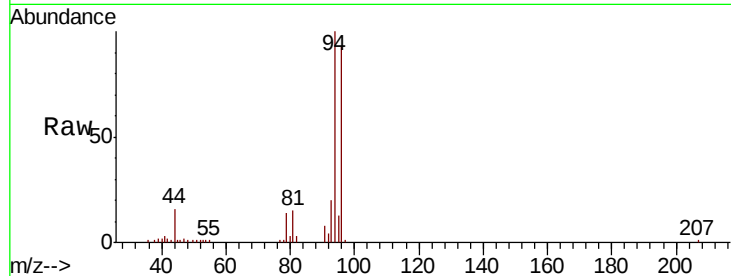
96 93.3 74.7 112.1

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

25000

20000

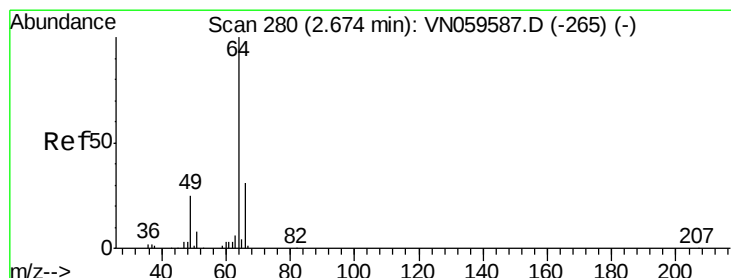
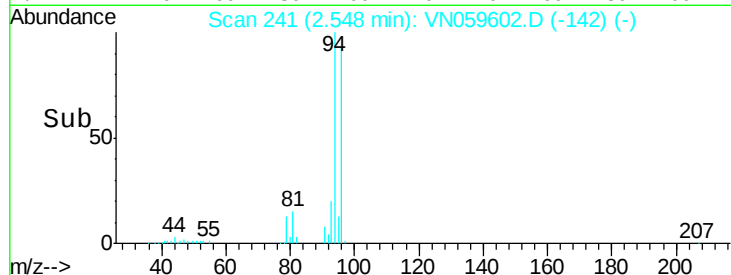
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.172 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059602.D

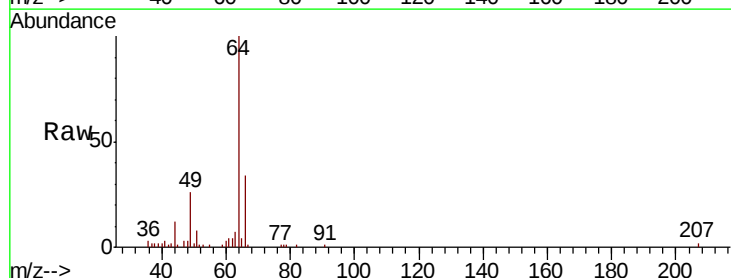
Acq: 16 Dec 2019 14:56

Tgt Ion: 64 Resp: 50501

Ion Ratio Lower Upper

64 100

66 34.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

25000

20000

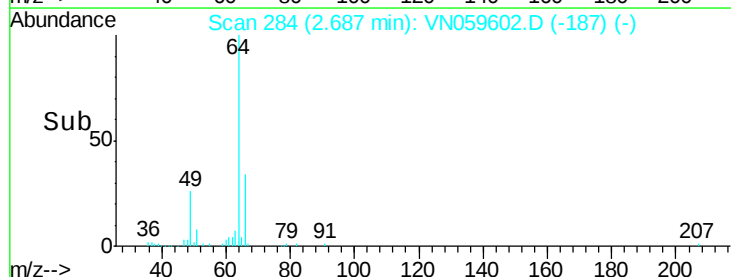
15000

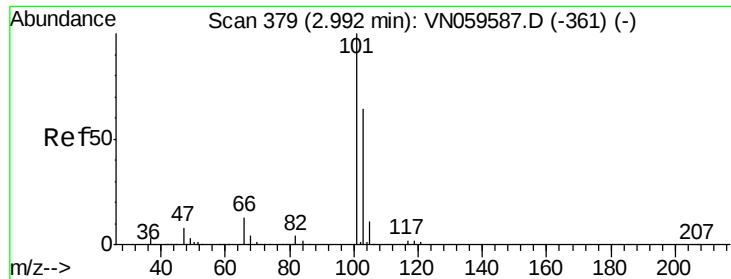
10000

5000

0

Time-->





#7

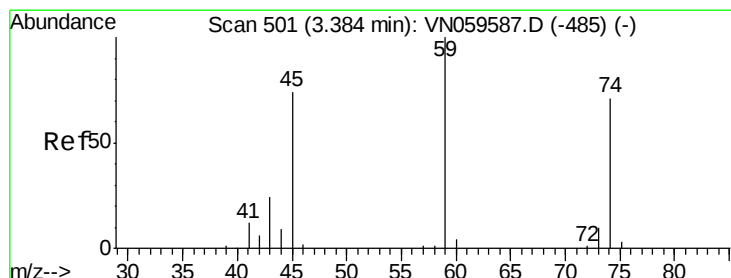
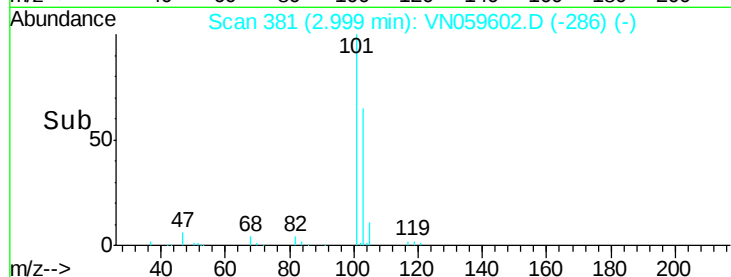
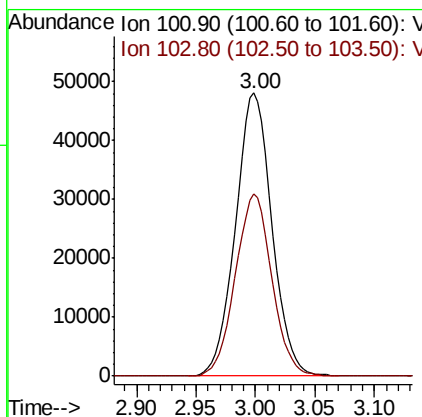
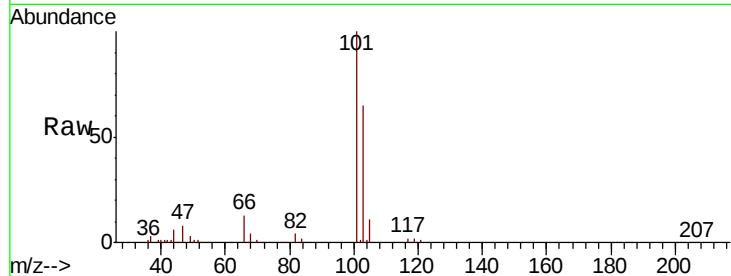
Trichlorofluoromethane
Concen: 18.804 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

Manual Integrations
APPROVED

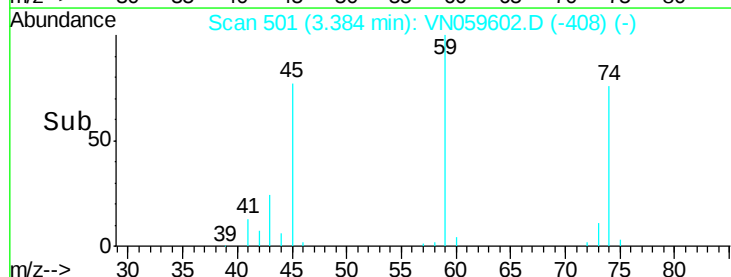
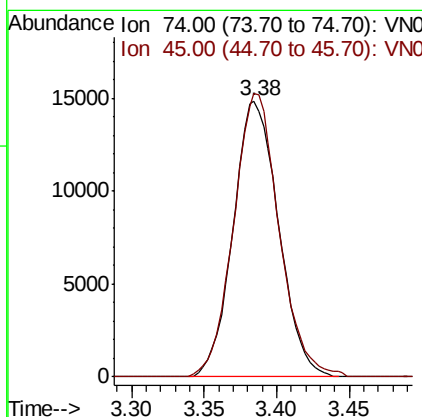
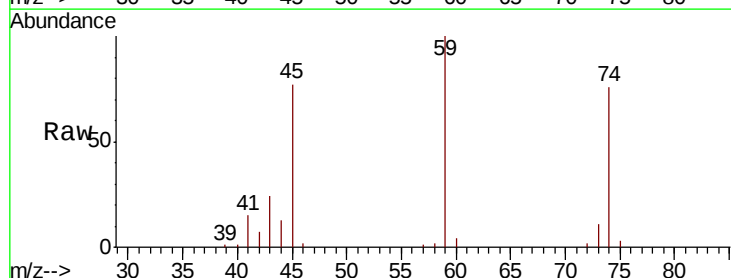
apatel
12/17/2019 12:51:19 PM

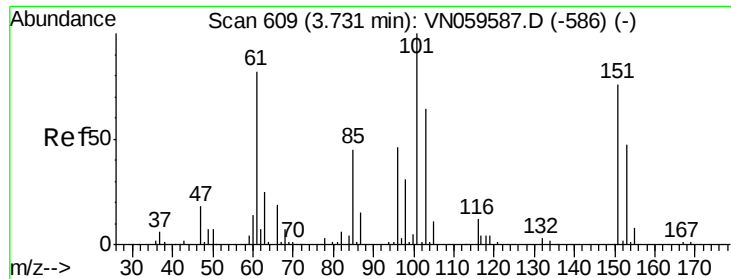


#8

Diethyl Ether
Concen: 19.068 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.677 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

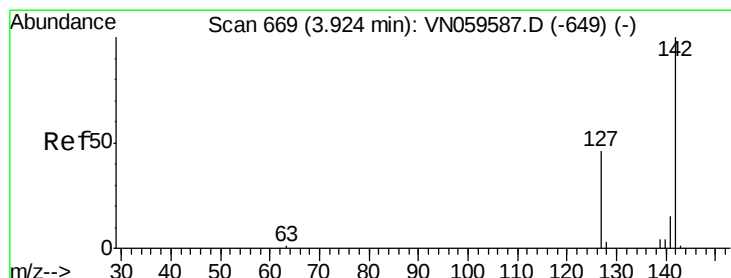
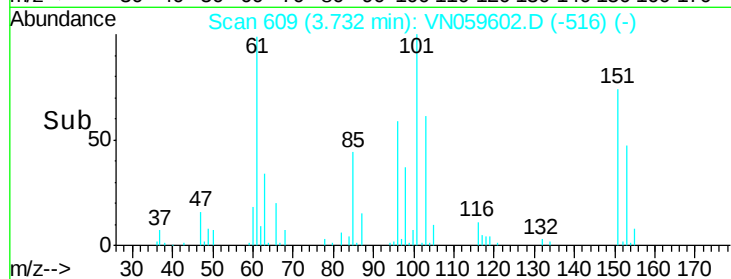
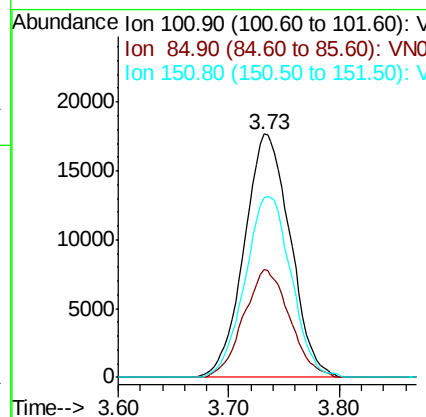
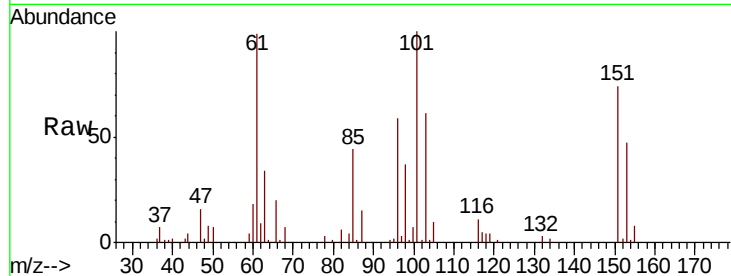
ClientSampleId :

VN1216WBS03

Tot Ion:	101	Resp:	51064
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.6	54.8
151	74.7	59.7	89.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#10

Methyl Iodide

Concen: 18.241 ug/l

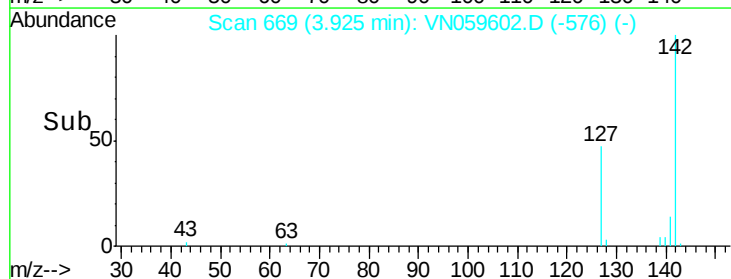
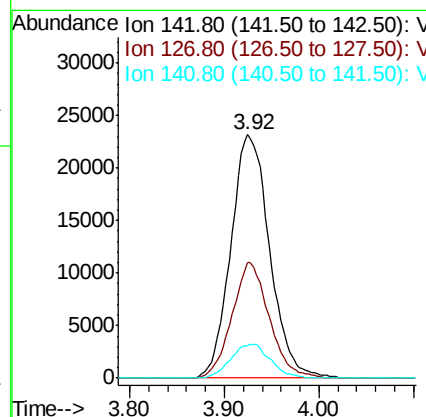
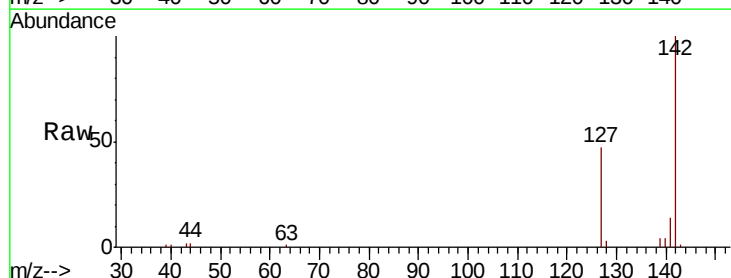
RT: 3.92 min Scan# 669

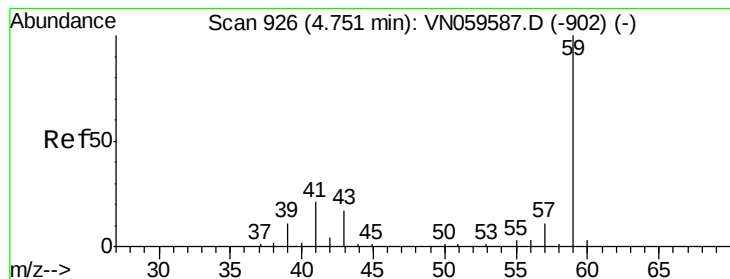
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	142	Resp:	66025
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.7	55.1
141	14.1	11.7	17.5





#11

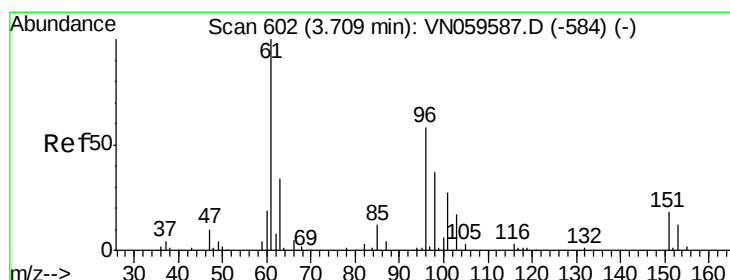
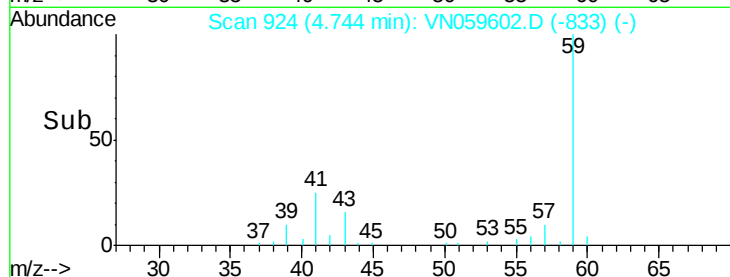
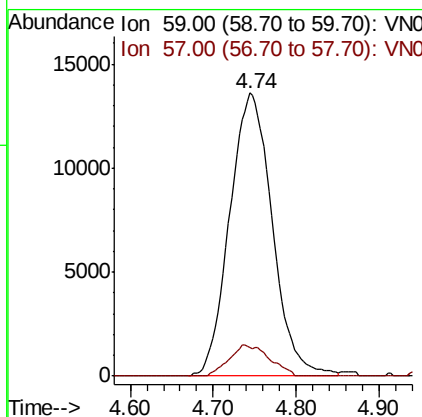
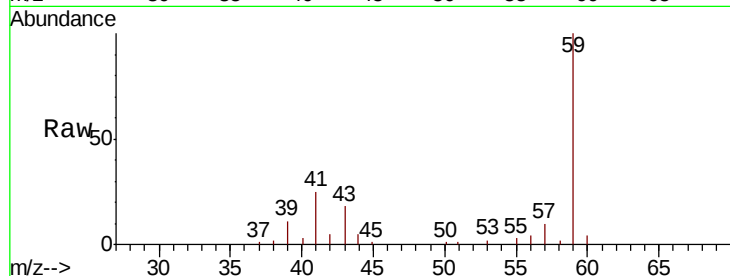
Tert butyl alcohol
 Concen: 71.667 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.6	12.8#

Manual Integrations
 APPROVED

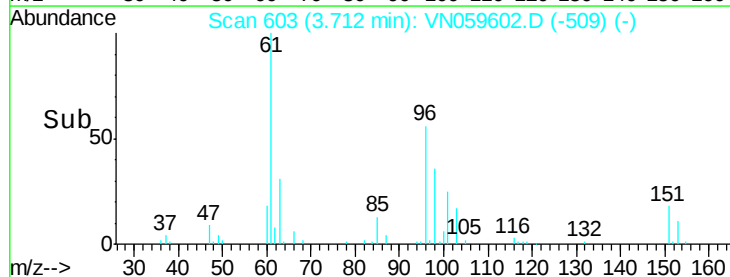
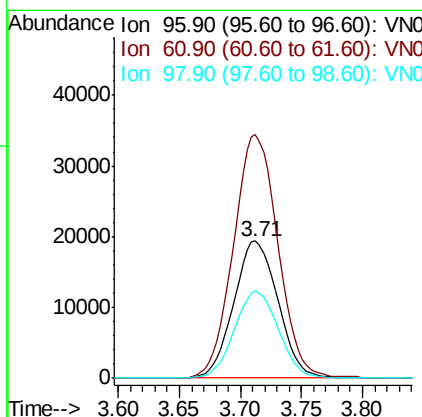
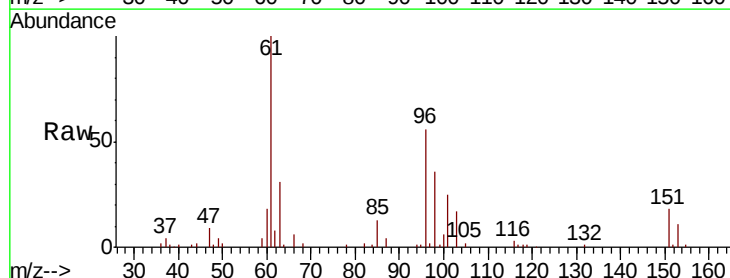
apatel
 12/17/2019 12:51:19 PM

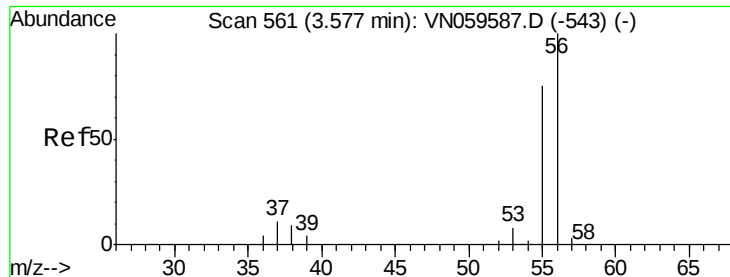


#12

1,1-Dichloroethene
 Concen: 18.233 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.6	137.5	206.3
98	63.6	50.2	75.4





#13

Acrolein

Concen: 66.999 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 56 Resp: 32376

Ion Ratio Lower Upper

56 100

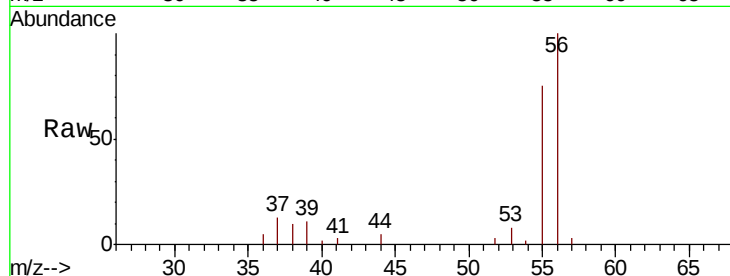
55 72.3 58.6 88.0

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

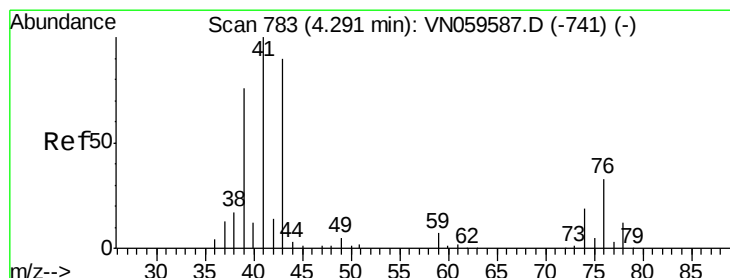
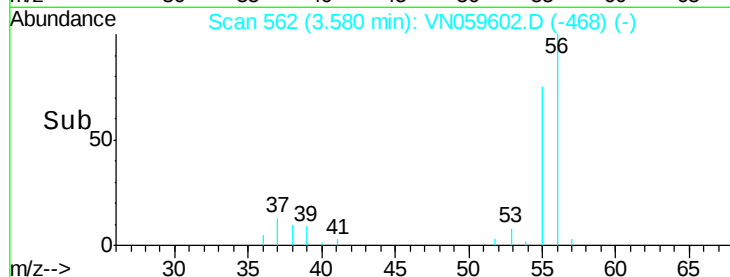
3.58

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 17.629 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

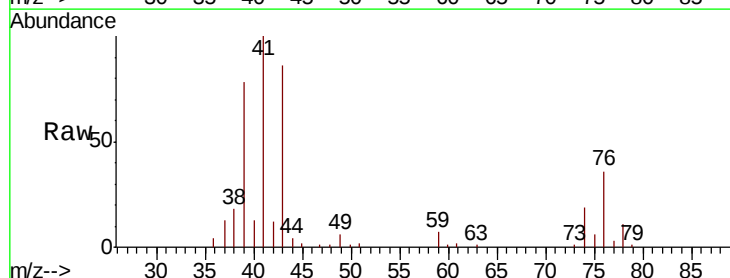
Tgt Ion: 41 Resp: 96521

Ion Ratio Lower Upper

41 100

39 69.5 57.8 86.8

76 31.8 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

40000

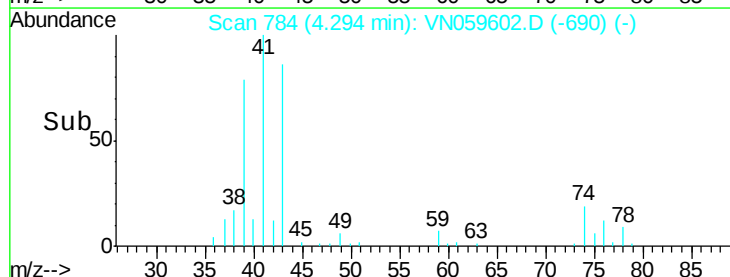
30000

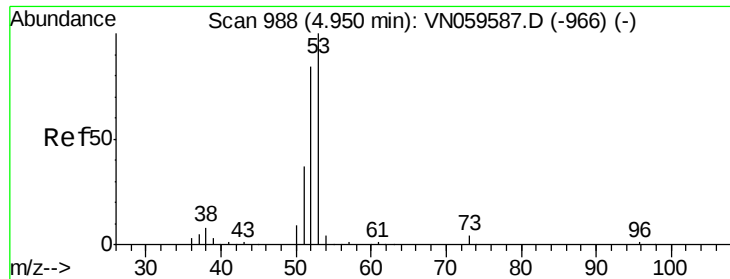
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 90.461 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

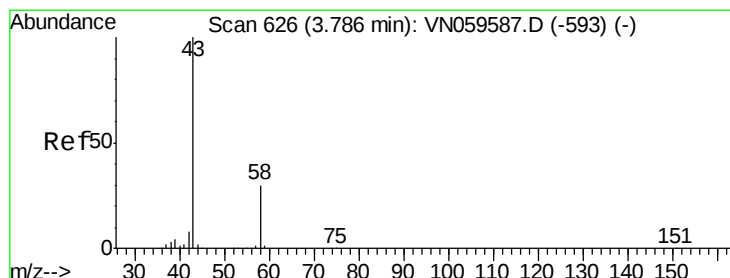
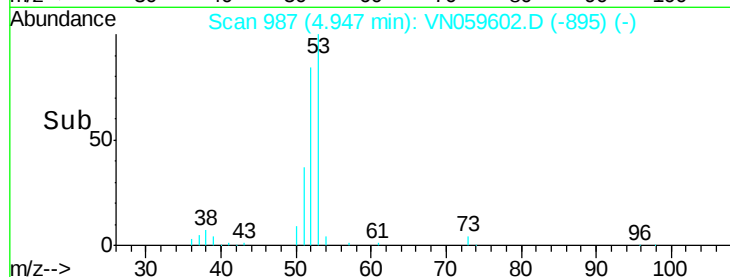
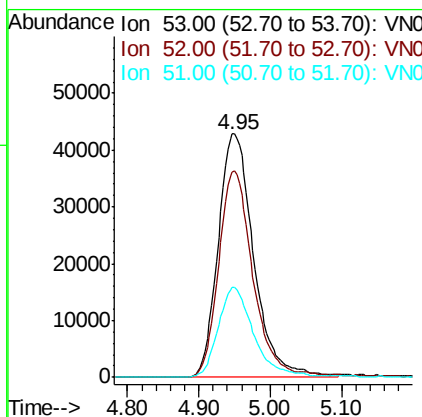
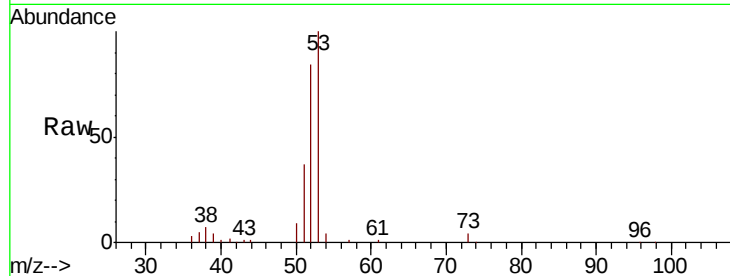
ClientSampleId :

VN1216WBS03

Tot Ion:	53	Resp:	148438
Ion Ratio		Lower	Upper
53	100		
52	80.8	66.3	99.5
51	37.0	29.7	44.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#16

Acetone

Concen: 73.000 ug/l

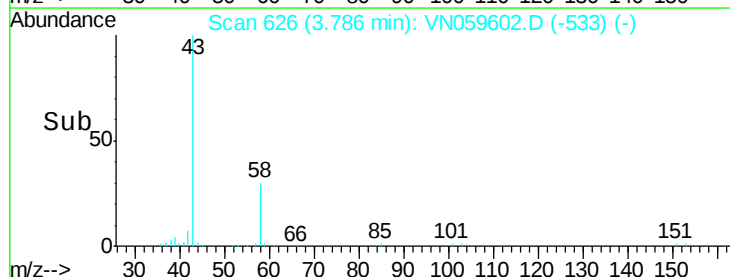
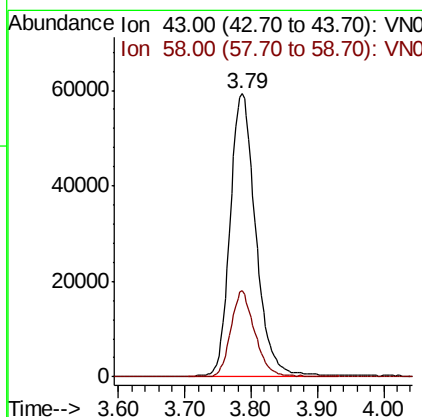
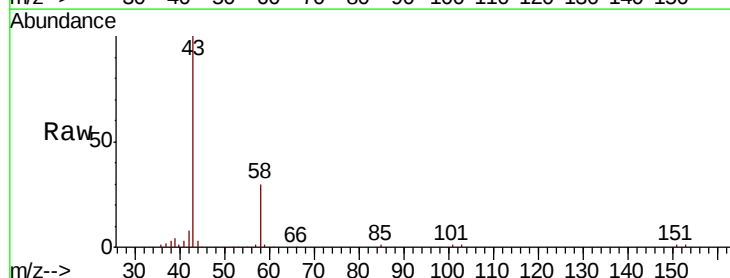
RT: 3.79 min Scan# 626

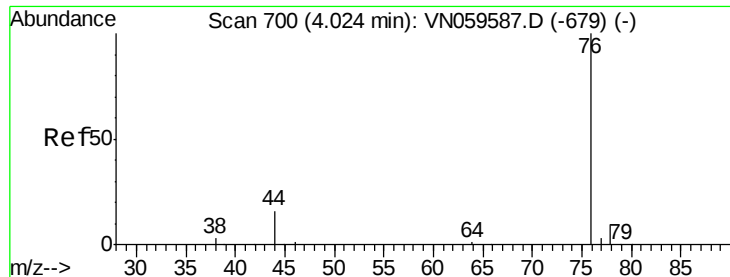
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	43	Resp:	160371
Ion Ratio		Lower	Upper
43	100		
58	30.4	23.6	35.4





#17

Carbon Disulfide

Concen: 17.287 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 76 Resp: 153274

Ion Ratio Lower Upper

76 100

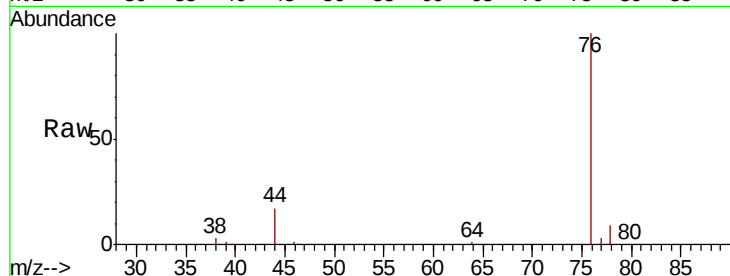
78 8.8 7.4 11.0

Manual Integrations

APPROVED

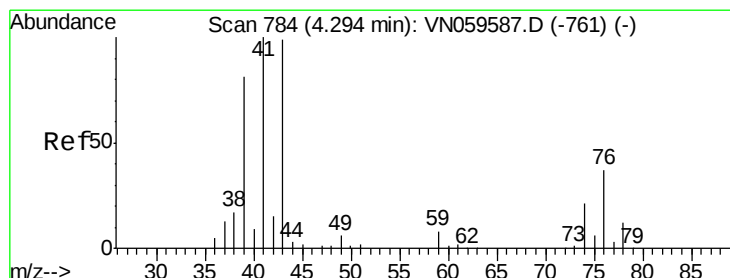
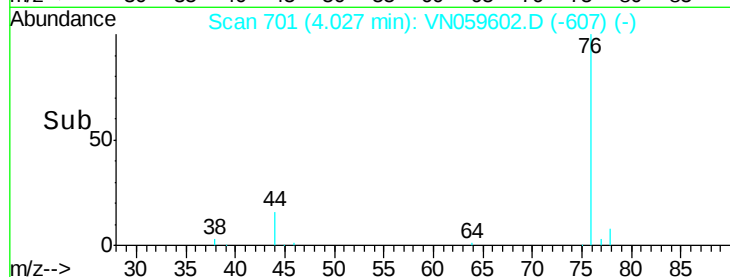
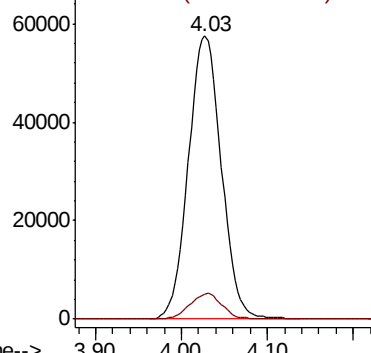
apatel

12/17/2019 12:51:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.844 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059602.D

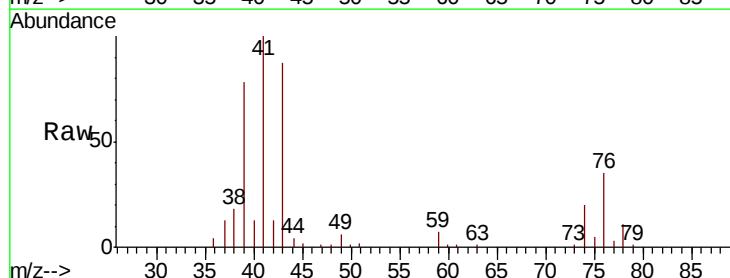
Acq: 16 Dec 2019 14:56

Tgt Ion: 43 Resp: 77537

Ion Ratio Lower Upper

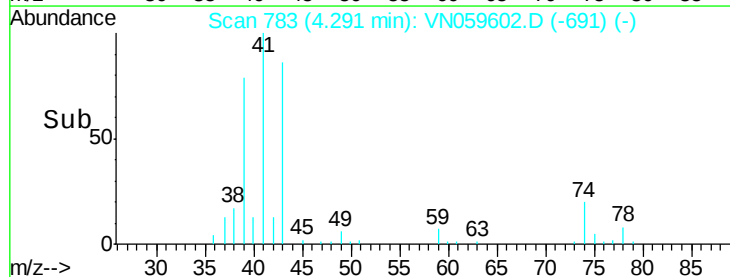
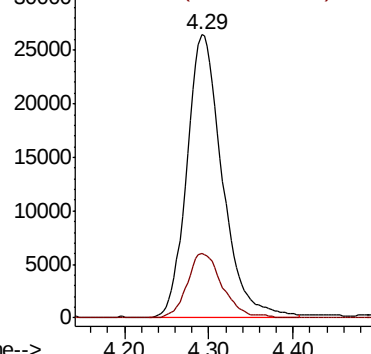
43 100

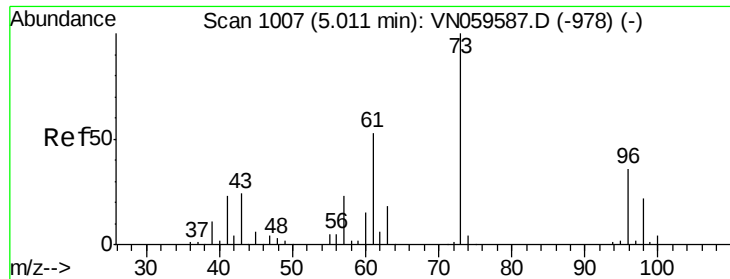
74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





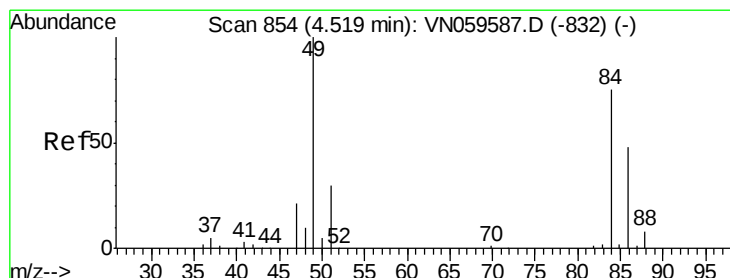
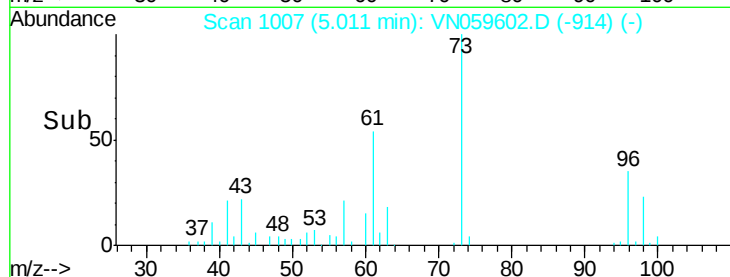
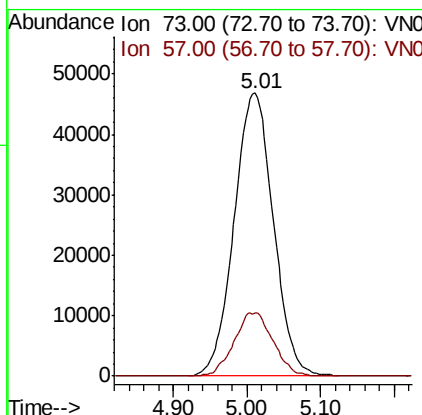
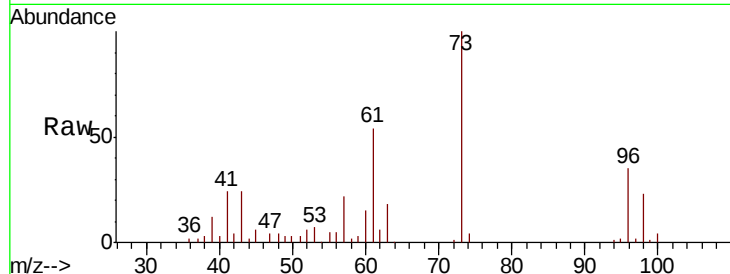
#19
Methvl tert-butvl Ether
Concen: 18.442 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion: 73 Resp: 173673
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8

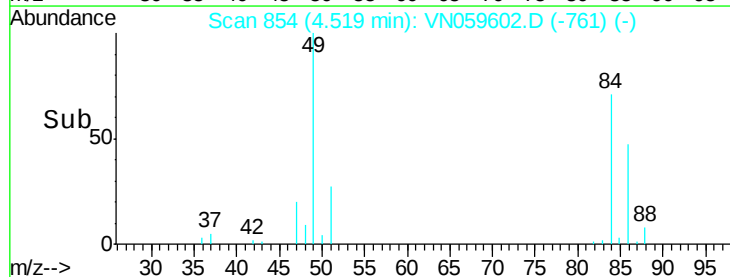
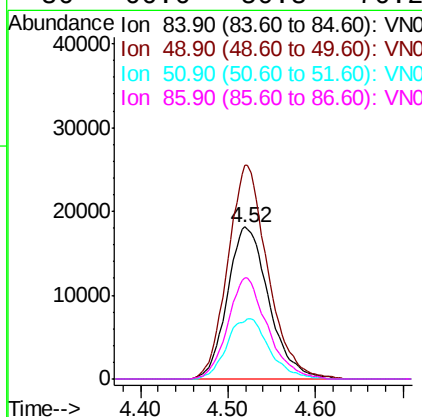
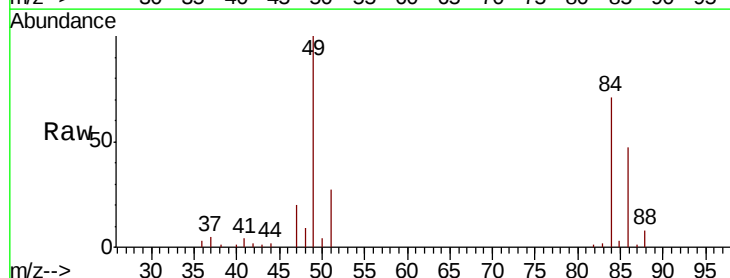
Manual Integrations
APPROVED

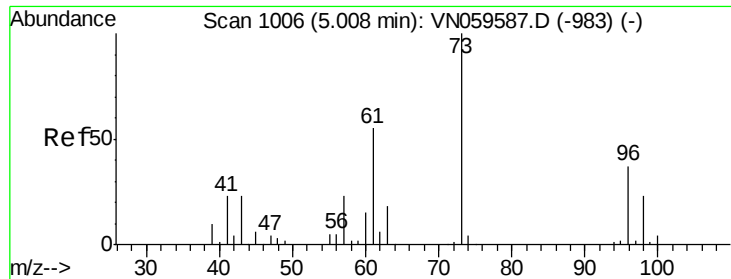
apatel
12/17/2019 12:51:19 PM



#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 84 Resp: 59592
Ion Ratio Lower Upper
84 100
49 140.2 106.6 160.0
51 38.1 31.9 47.9
86 66.6 50.8 76.2





#21

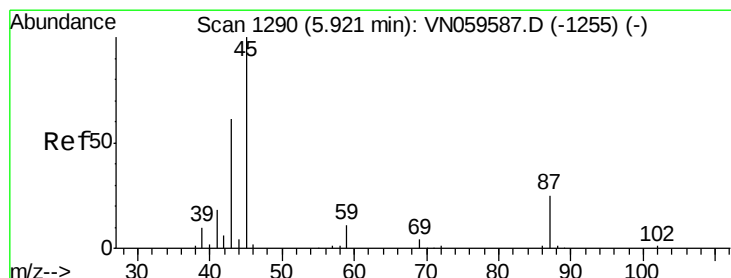
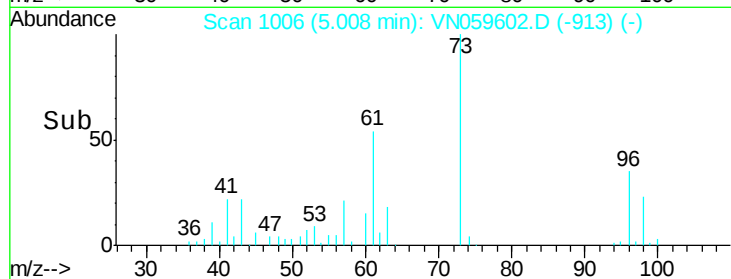
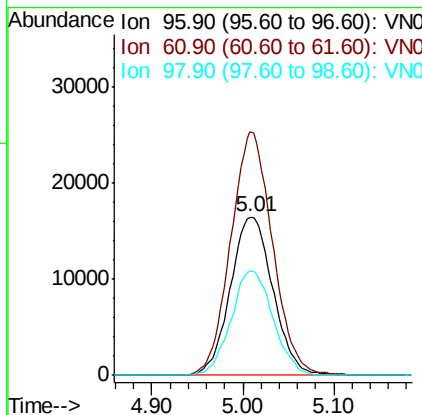
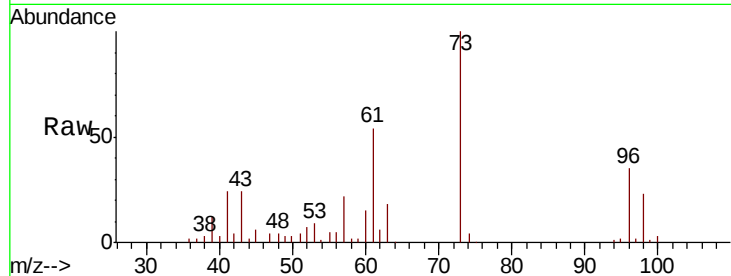
trans-1,2-Dichloroethene
Concen: 18.017 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	120.4	180.6
98	65.9	50.6	75.8

Manual Integrations
APPROVED

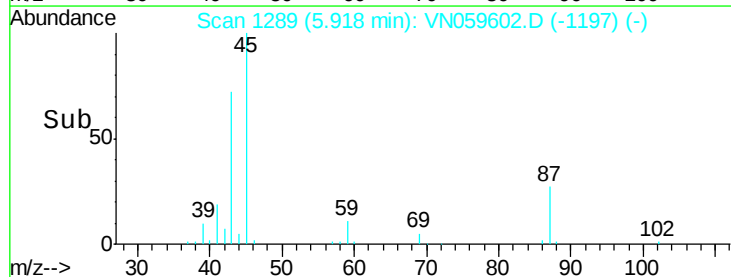
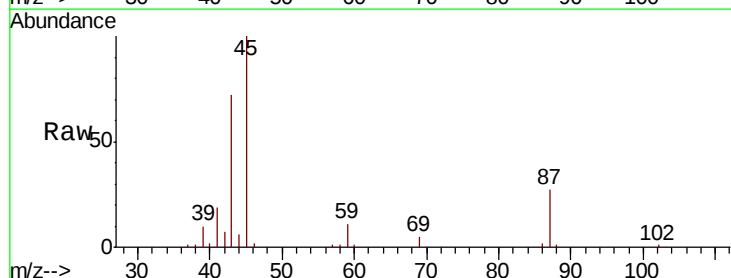
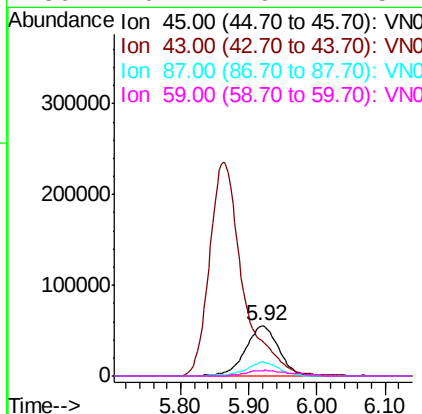
apatel
12/17/2019 12:51:19 PM

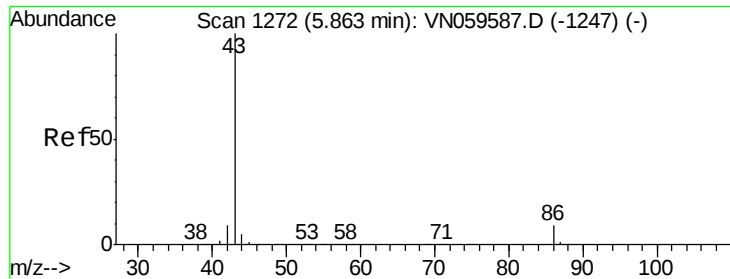


#22

Diisopropyl ether
Concen: 18.549 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.8	50.8	76.2
87	27.2	21.0	31.6
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 100.972 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleID :

VN1216WBS03

Tot Ion: 43 Resp: 799854

Ion Ratio Lower Upper

43 100

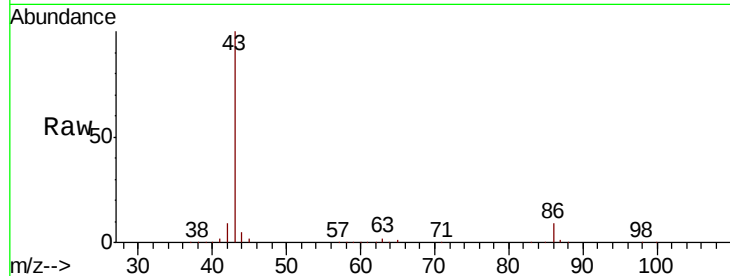
86 9.3 7.6 11.4

Manual Integrations

APPROVED

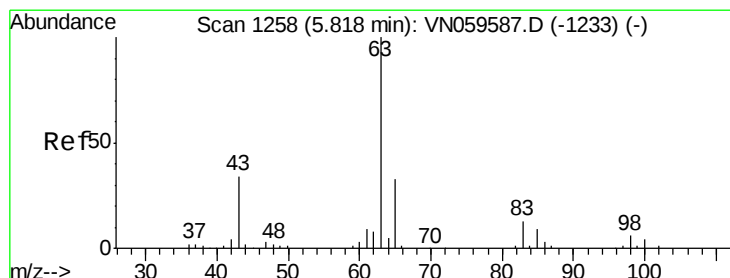
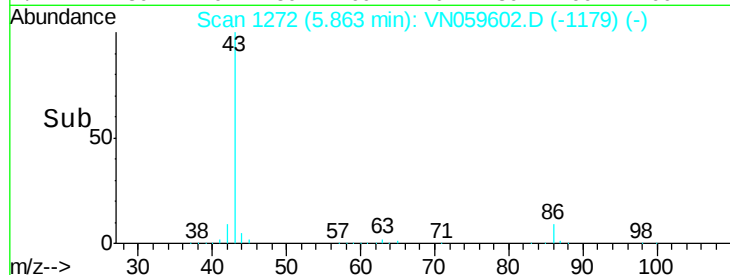
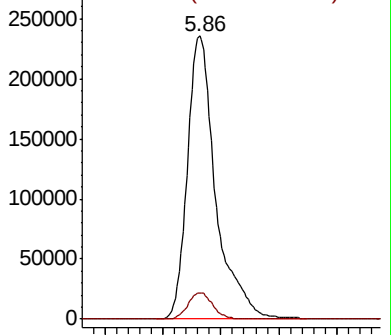
apatel

12/17/2019 12:51:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.754 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

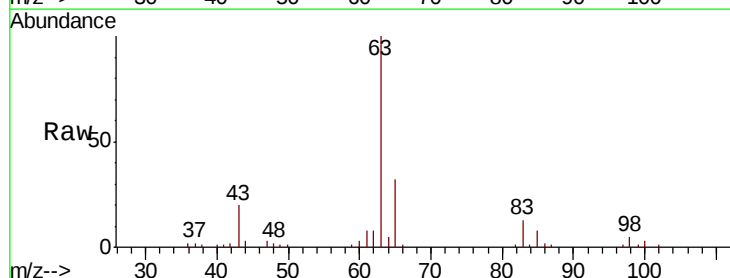
Tgt Ion: 63 Resp: 107234

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

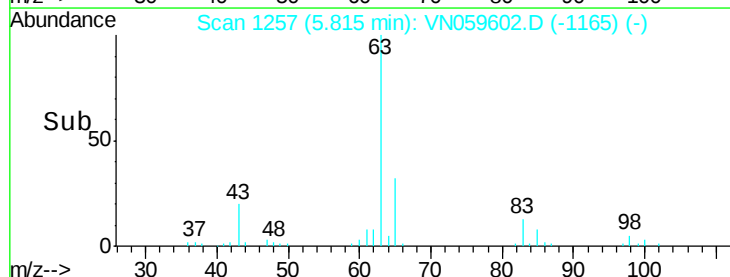
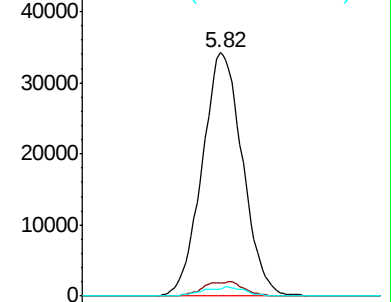
100 3.0 2.0 6.0

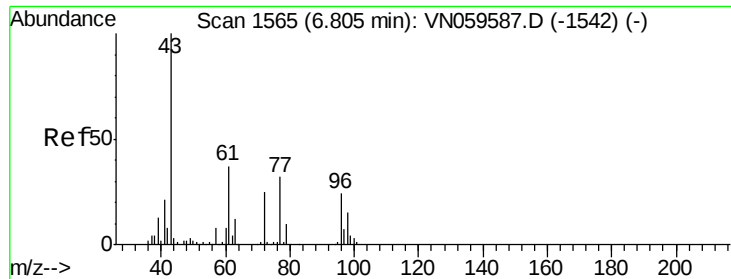


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





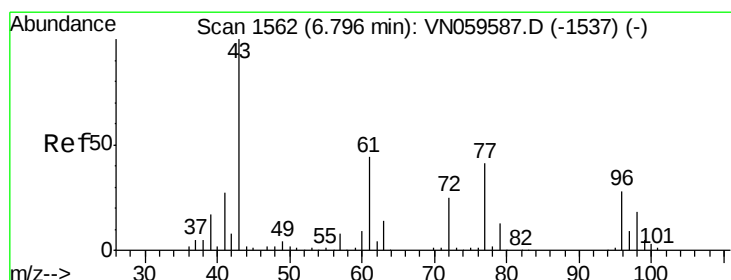
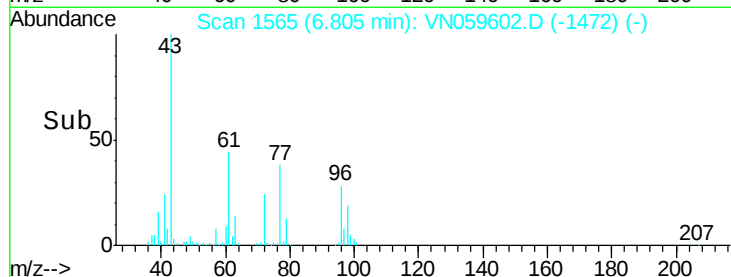
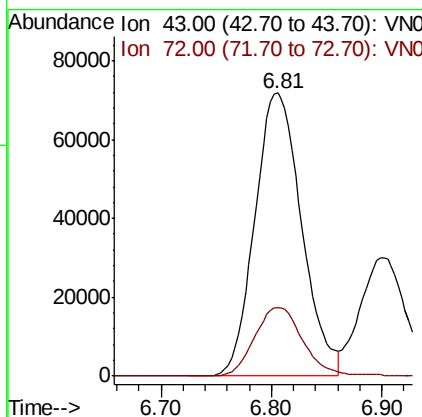
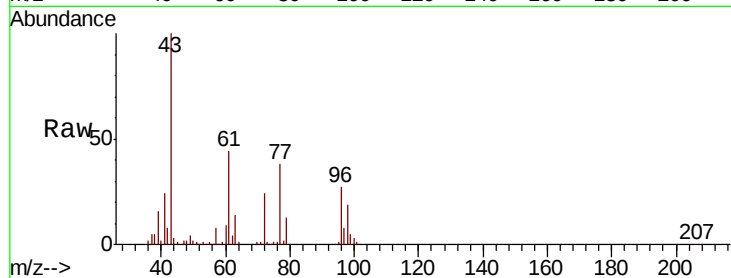
#25
2-Butanone
Concen: 80.423 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion: 43 Resp: 211275
Ion Ratio Lower Upper
43 100
72 24.3 19.9 29.9

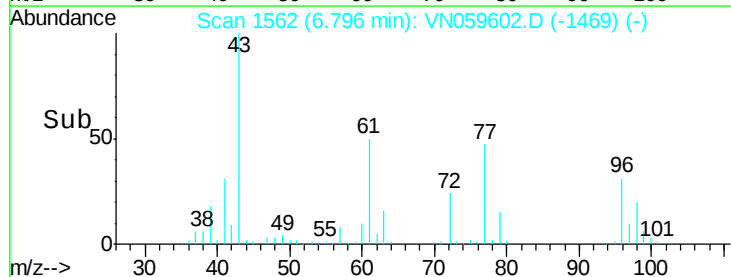
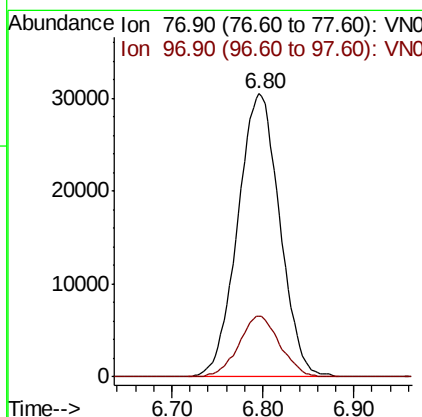
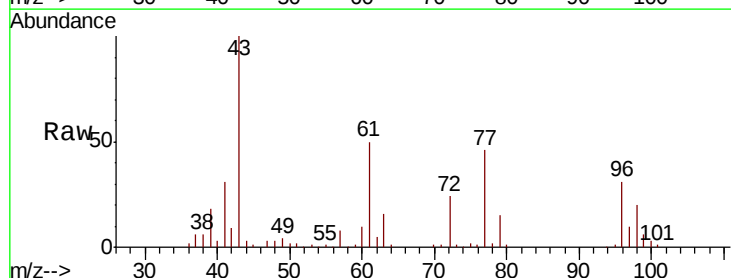
Manual Integrations
APPROVED

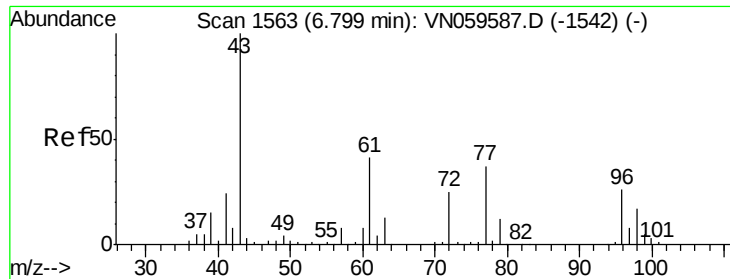
apatel
12/17/2019 12:51:19 PM



#26
2,2-Dichloropropane
Concen: 18.796 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 77 Resp: 97678
Ion Ratio Lower Upper
77 100
97 20.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.408 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

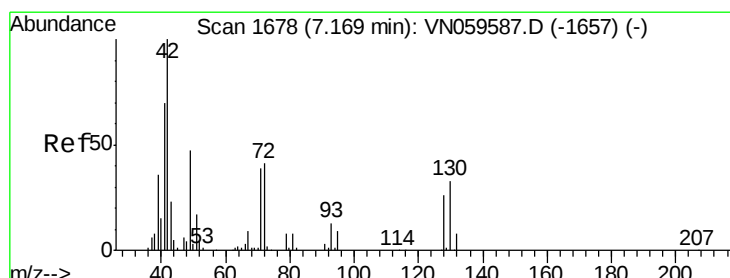
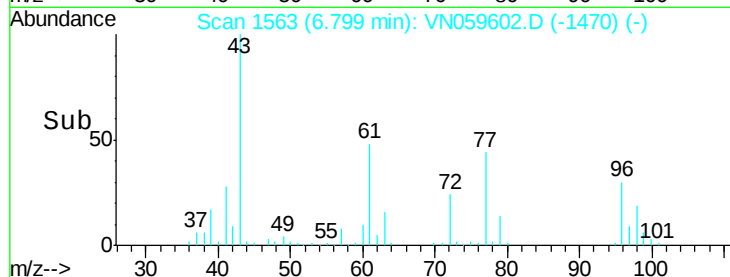
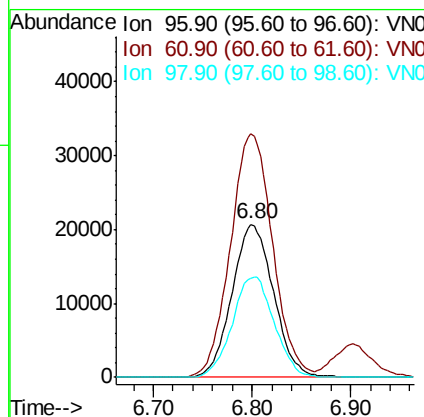
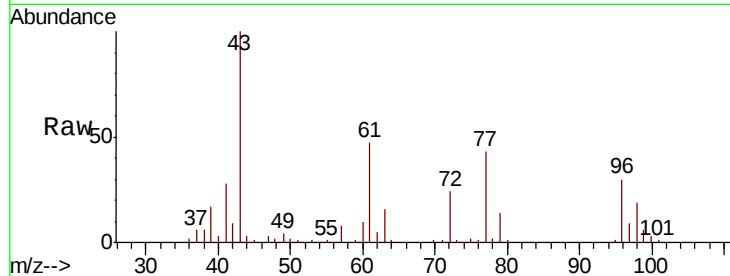
ClientSampleId :

VN1216WBS03

Tot Ion:	96	Resp:	60649
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	317.6
98	65.9	0.0	127.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#28

Bromochloromethane

Concen: 9.704 ug/l

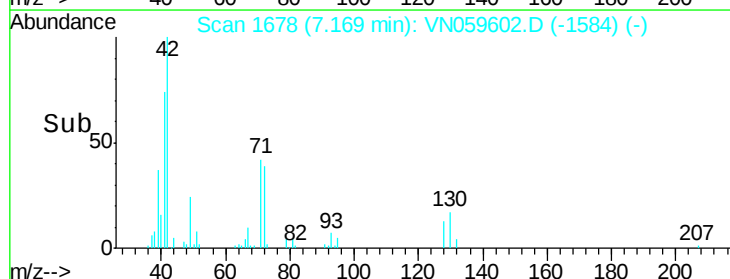
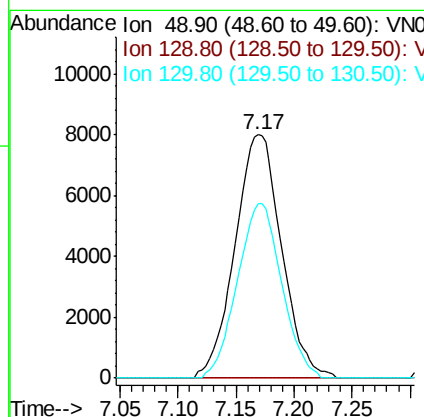
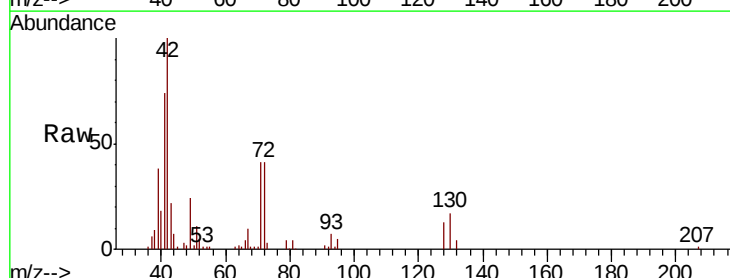
RT: 7.17 min Scan# 1678

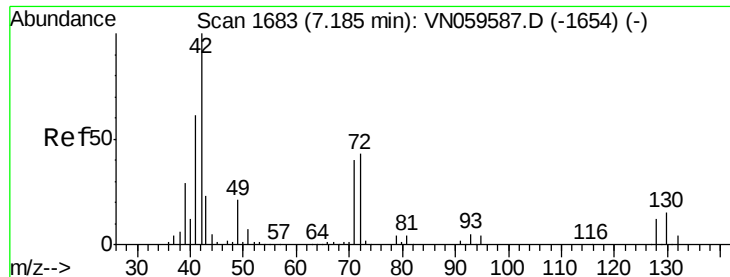
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	49	Resp:	22397
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	68.0	54.7	82.1





#29

Tetrahydrofuran

Concen: 85.818 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

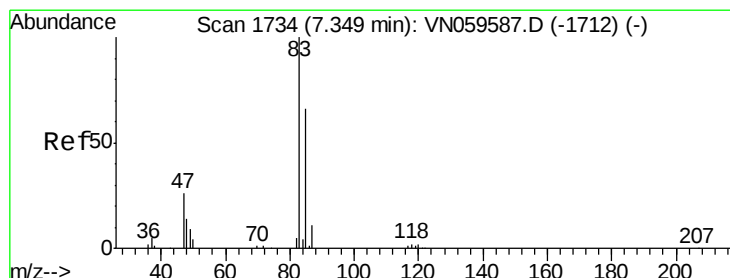
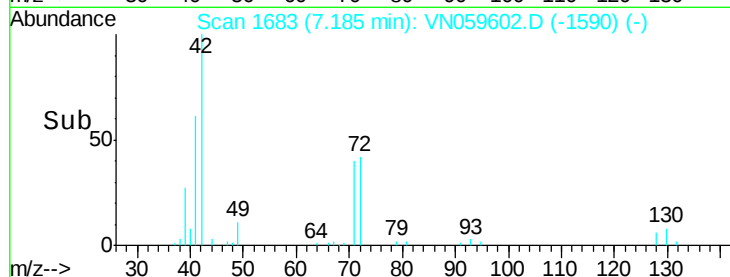
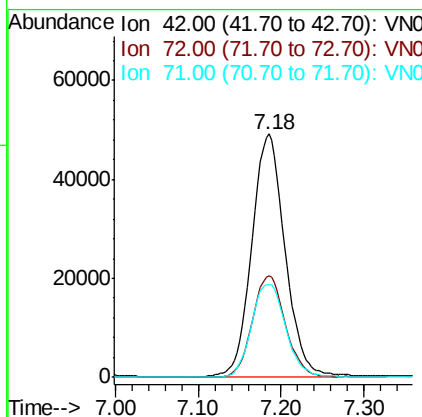
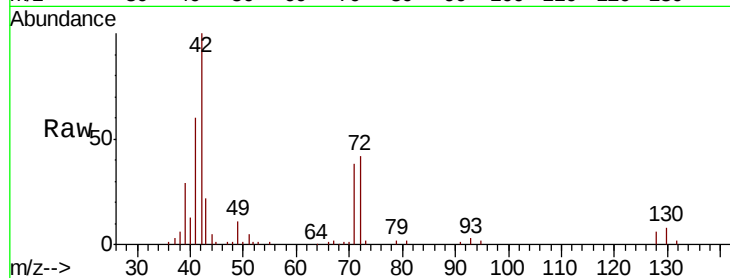
ClientSampleId :

VN1216WBS03

Tot Ion:	42	Resp:	137362
Ion Ratio		Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.4	31.4	47.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#30

Chloroform

Concen: 18.722 ug/l

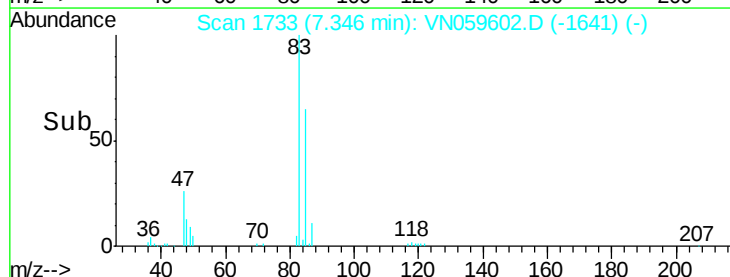
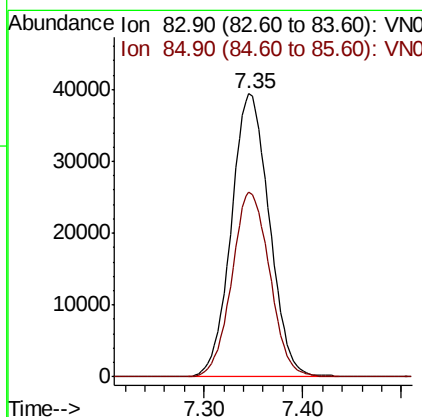
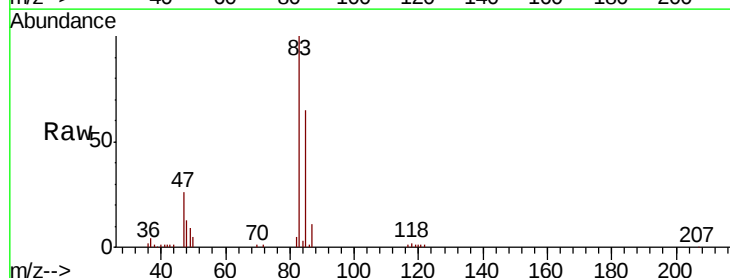
RT: 7.35 min Scan# 1733

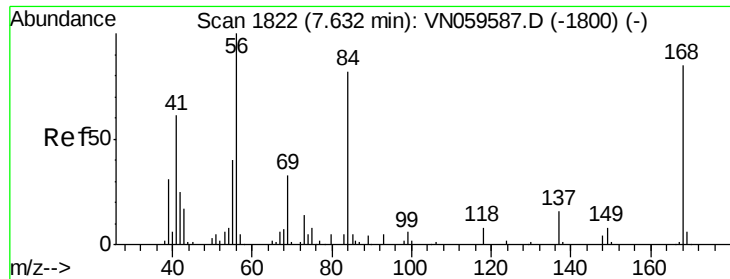
Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	83	Resp:	105372
Ion Ratio		Lower	Upper
83	100		
85	65.2	52.4	78.6





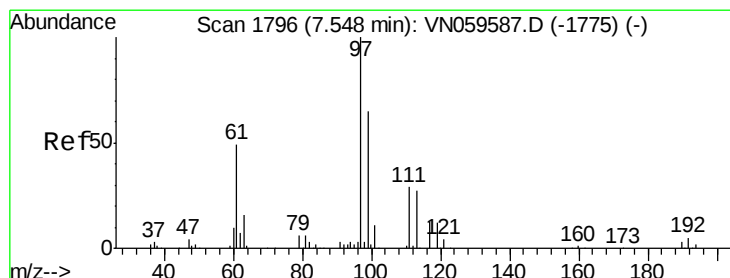
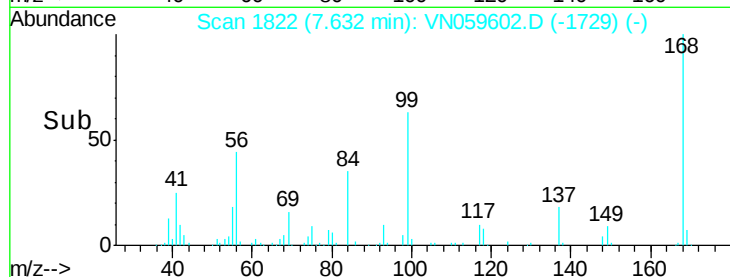
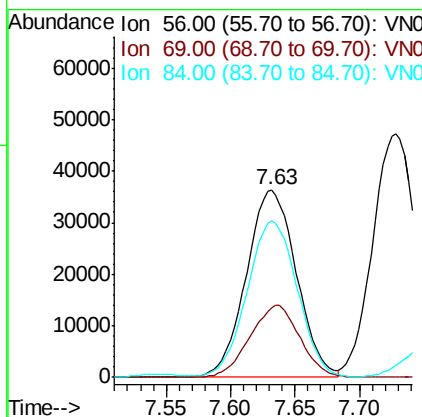
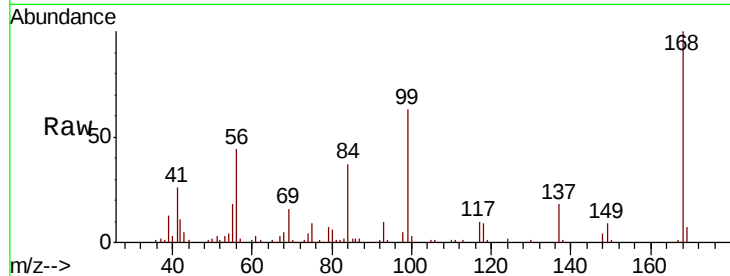
#31
Cyclohexane
Concen: 18.188 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.5	39.7
84	82.5	65.3	97.9

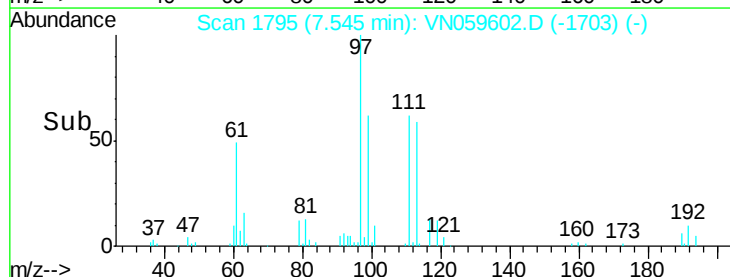
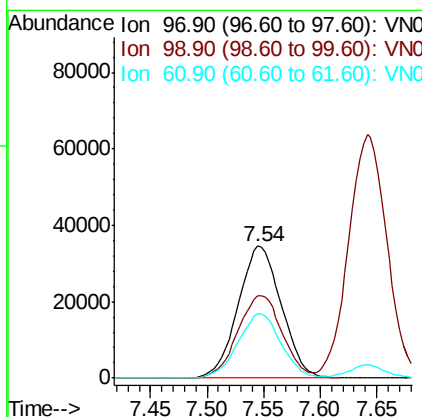
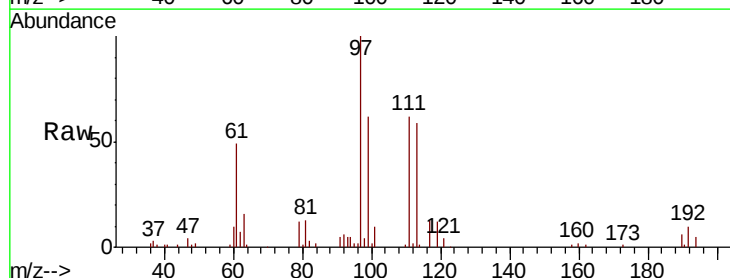
Manual Integrations
APPROVED

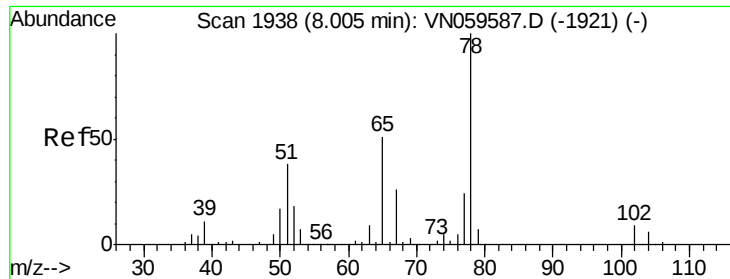
apatel
12/17/2019 12:51:19 PM



#32
1,1,1-Trichloroethane
Concen: 18.102 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.7	38.5	57.7





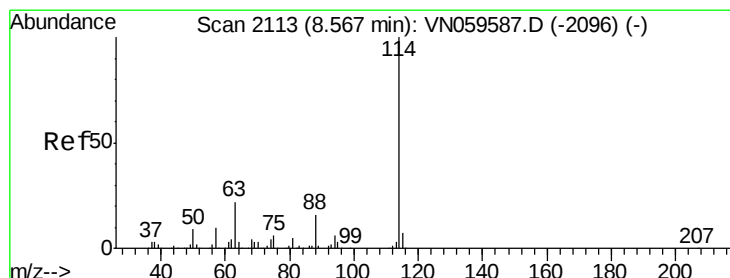
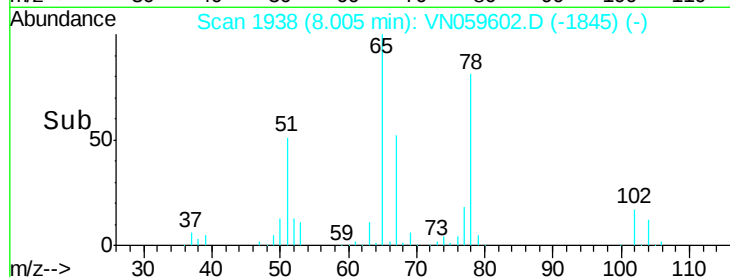
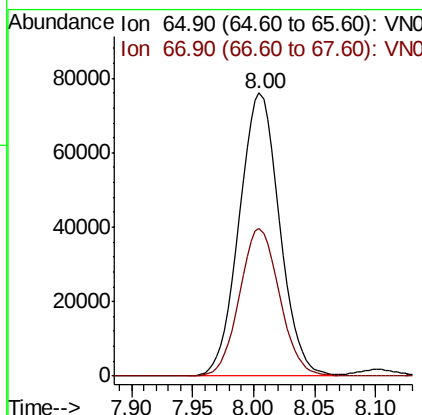
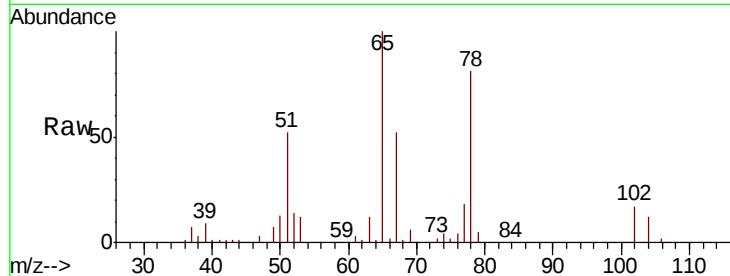
#33
 1,2-Dichloroethane-d4
 Concen: 46.995 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173894		
67	51.7	0.0	103.0	

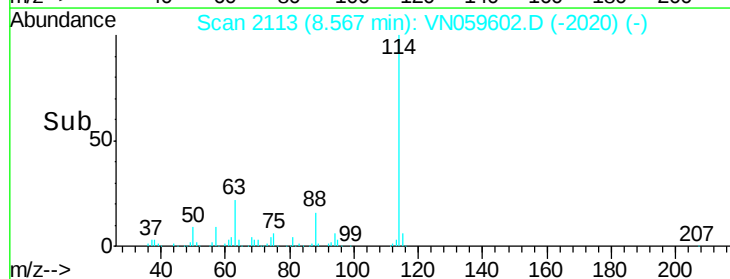
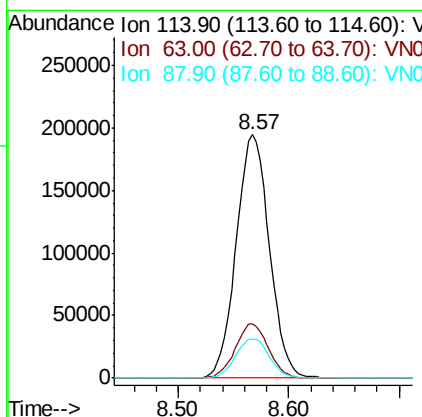
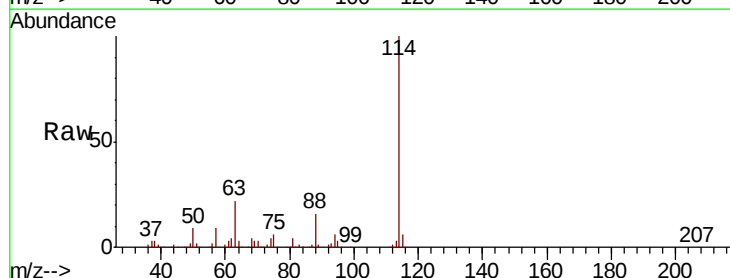
Manual Integrations
 APPROVED

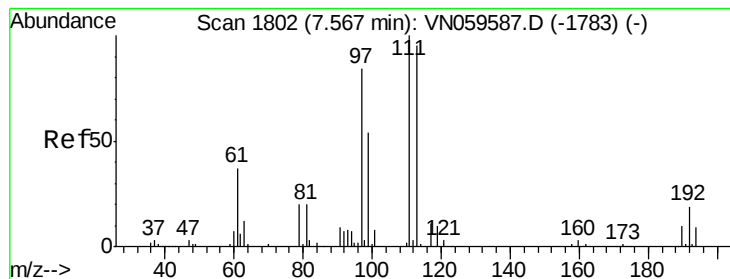
apatel
 12/17/2019 12:51:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405540		
63	22.2	0.0	43.6	
88	16.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 47.897 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

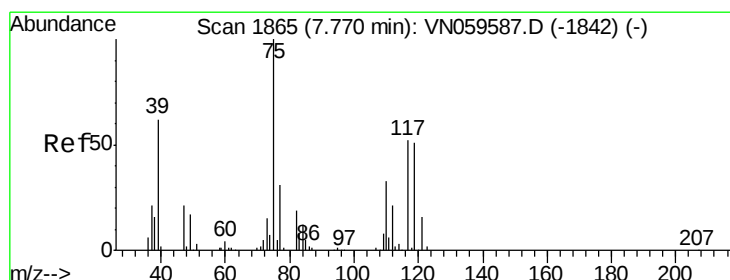
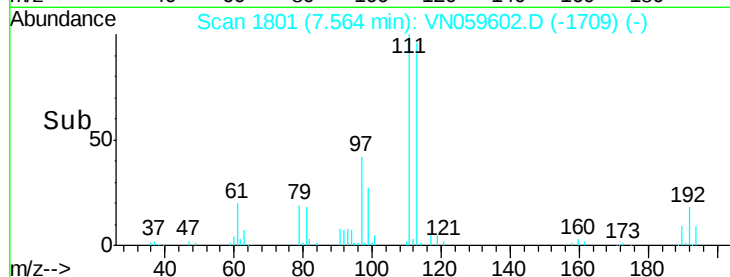
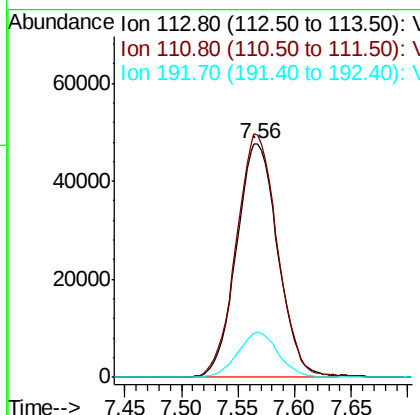
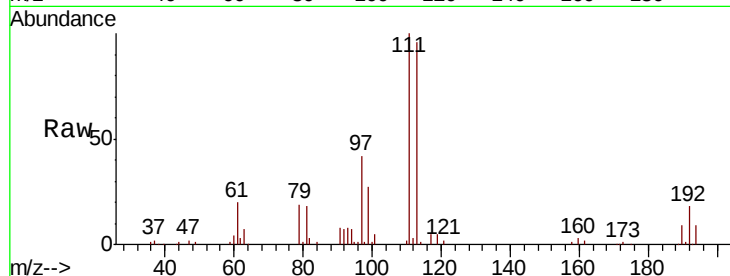
ClientSampleId :

VN1216WBS03

Tot Ion:	113	Resp:	121534
Ion Ratio	Lower	Upper	
113	100		
111	103.8	83.5	125.3
192	18.9	15.4	23.2

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#36

1,1-Dichloropropene

Concen: 18.768 ug/l

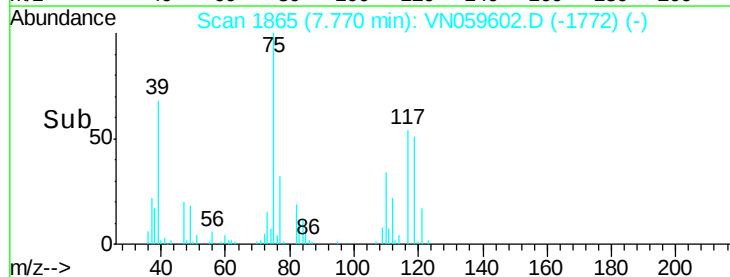
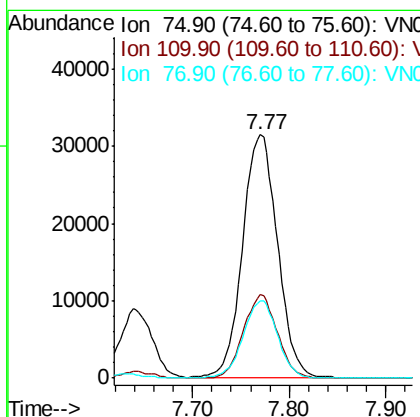
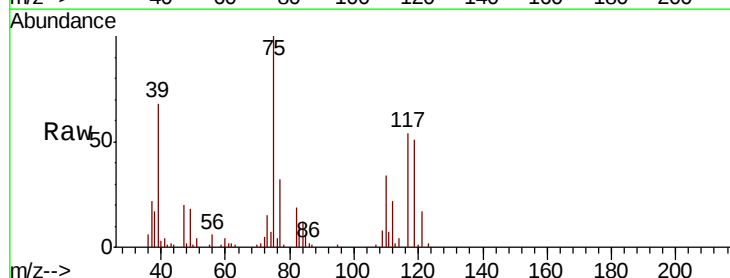
RT: 7.77 min Scan# 1865

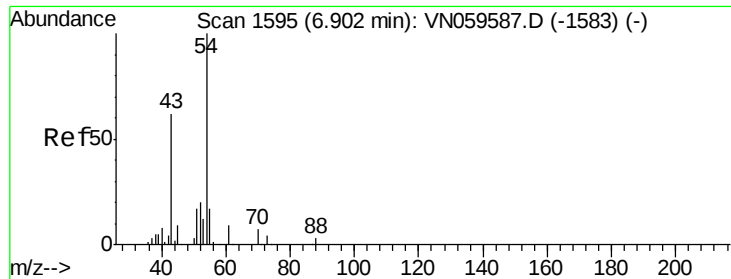
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	75	Resp:	79372
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.6	49.7
77	31.1	25.1	37.7





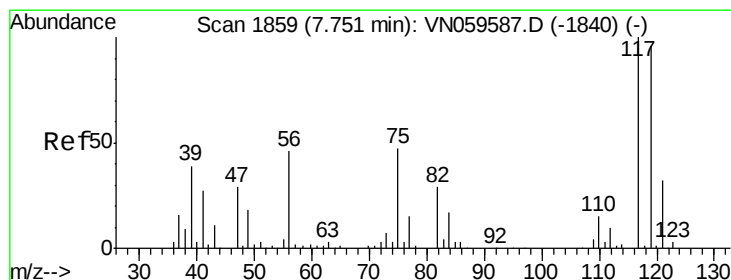
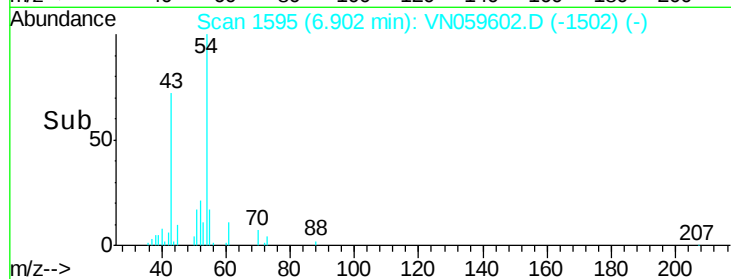
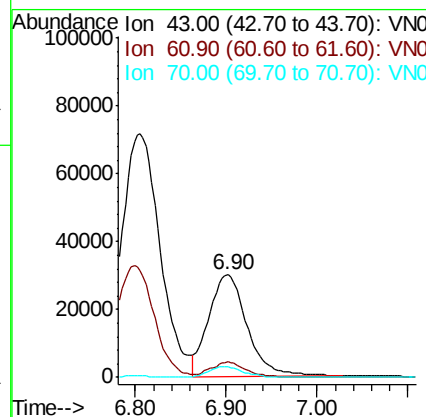
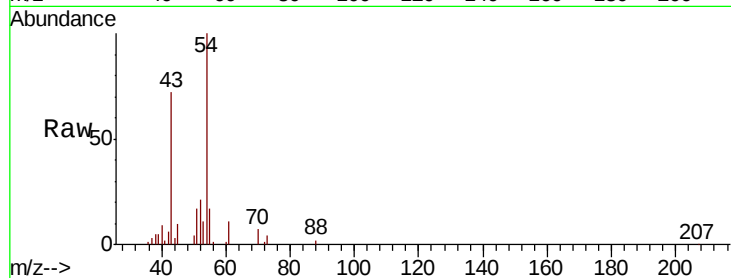
#37
Ethyl Acetate
Concen: 17.968 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	9.6	7.7	11.5

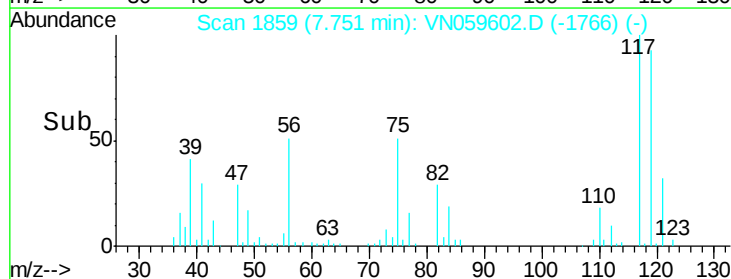
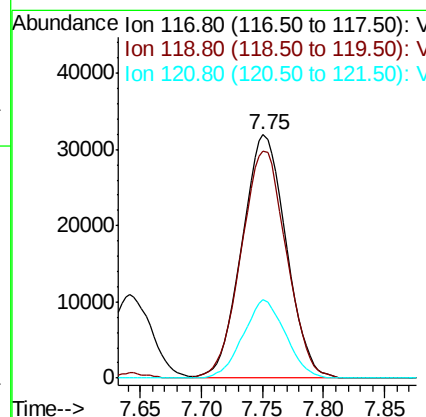
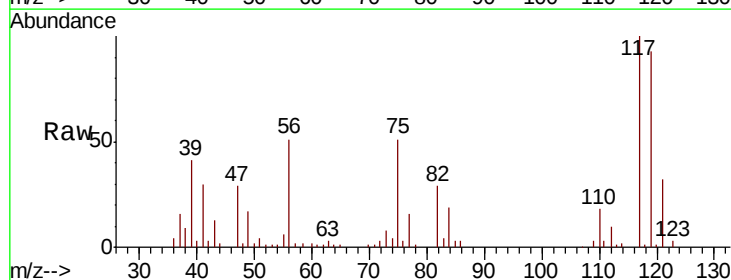
Manual Integrations
APPROVED

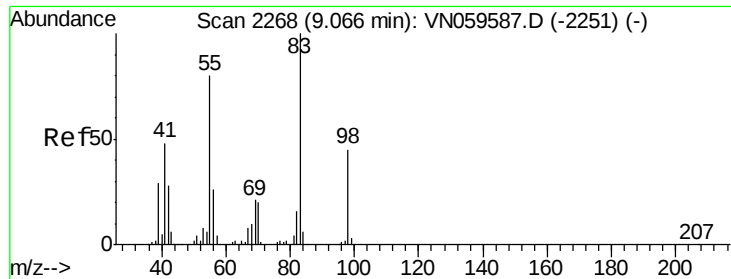
apatel
12/17/2019 12:51:19 PM



#38
Carbon Tetrachloride
Concen: 18.276 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.5	114.7
121	32.1	25.1	37.7





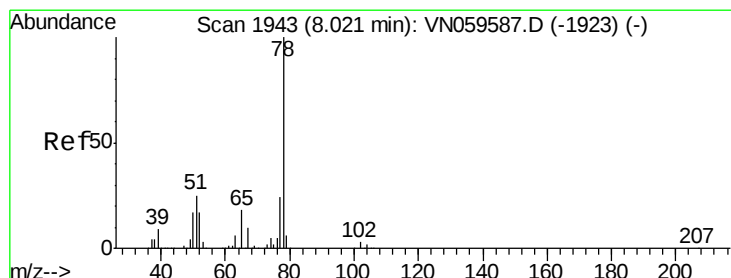
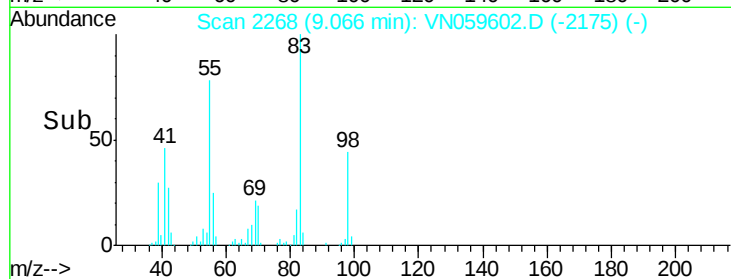
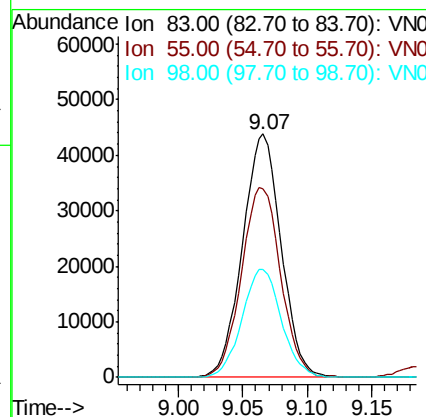
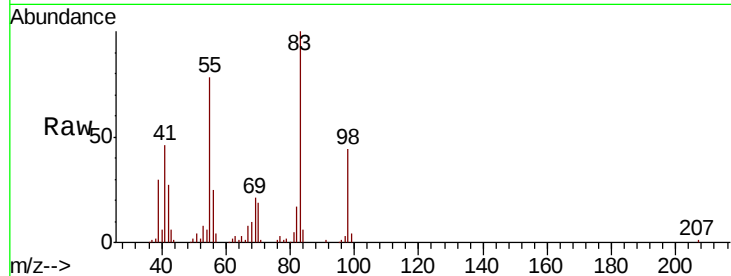
#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	64.2	96.2
98	44.5	35.9	53.9

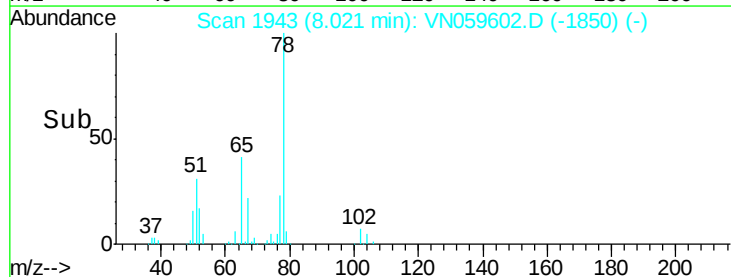
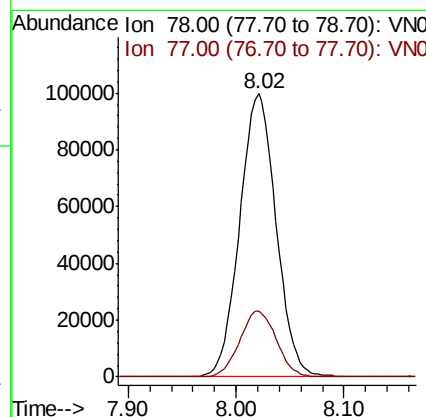
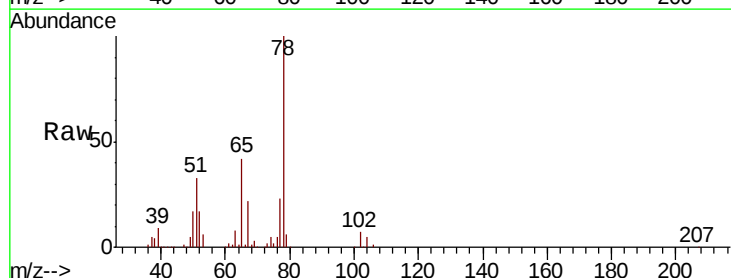
Manual Integrations
APPROVED

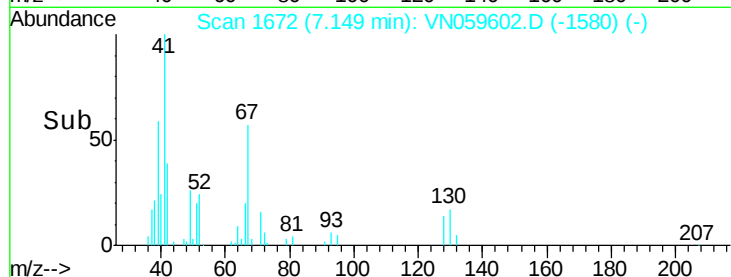
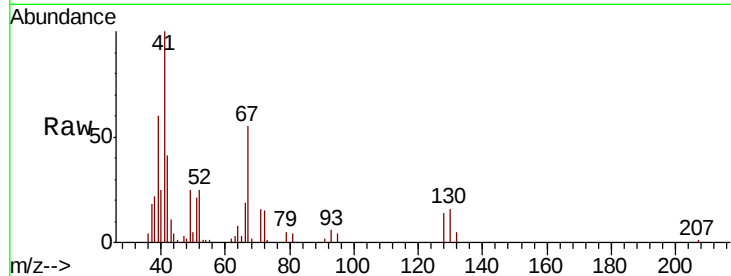
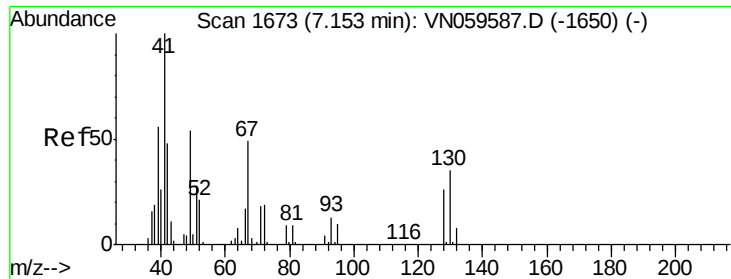
apatel
12/17/2019 12:51:19 PM



#40
Benzene
Concen: 18.936 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





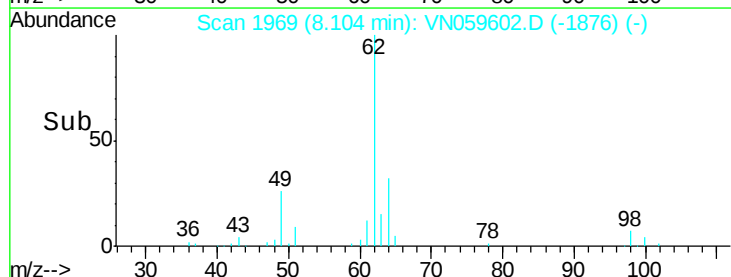
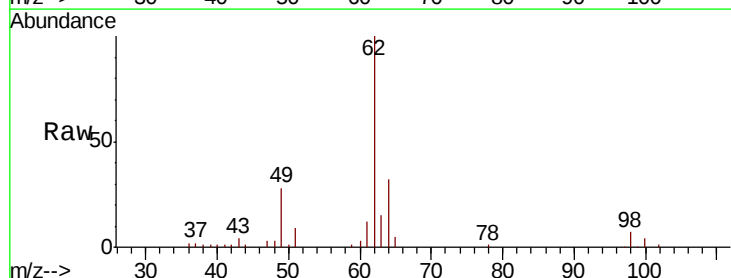
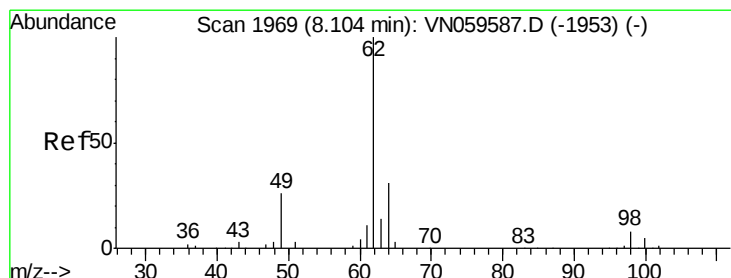
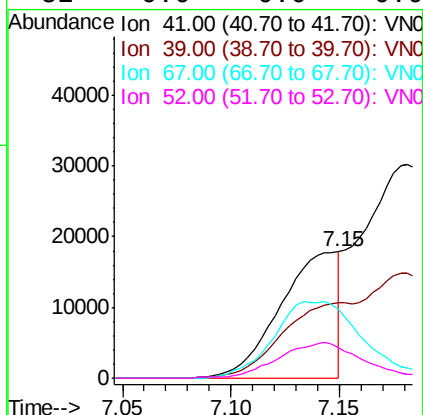
#41
Methacrylonitrile
Concen: 16.574 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		33622		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

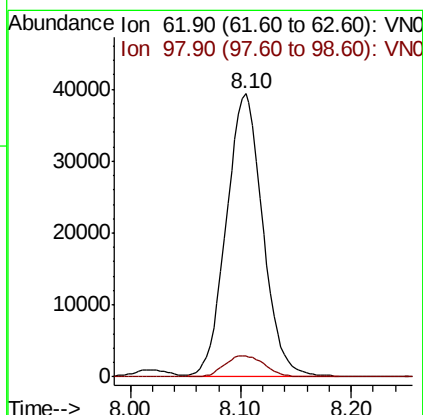
Manual Integrations
APPROVED

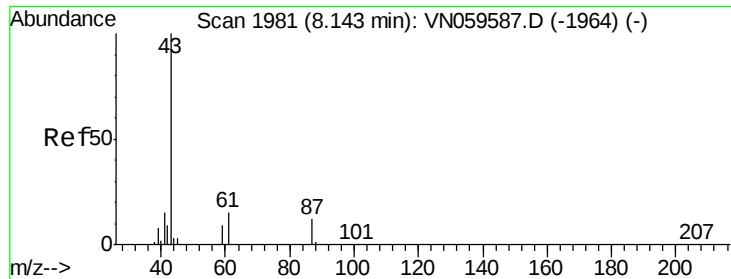
apatel
12/17/2019 12:51:19 PM



#42
1,2-Dichloroethane
Concen: 19.059 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		90211		
98	8.0	0.0	15.8		





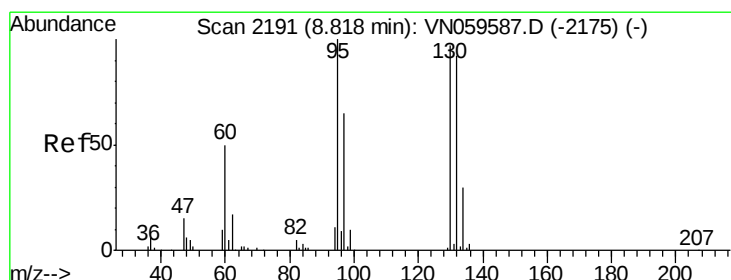
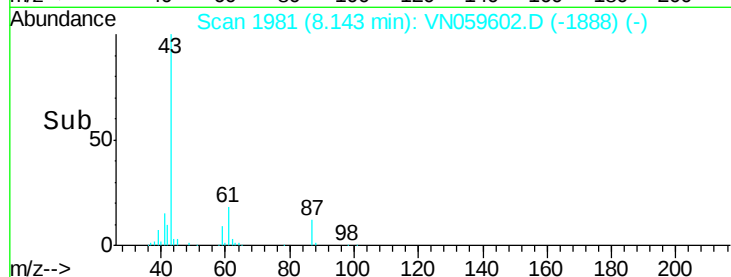
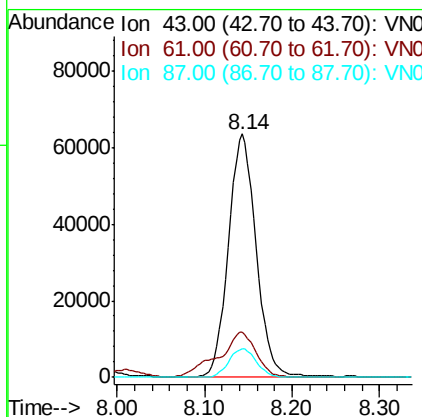
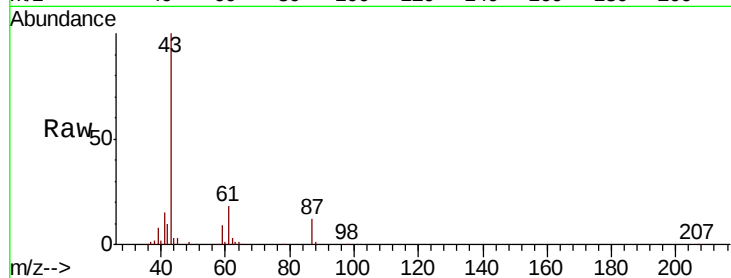
#43
Isopropyl Acetate
Concen: 18.376 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.2
87	11.7	9.5	14.3

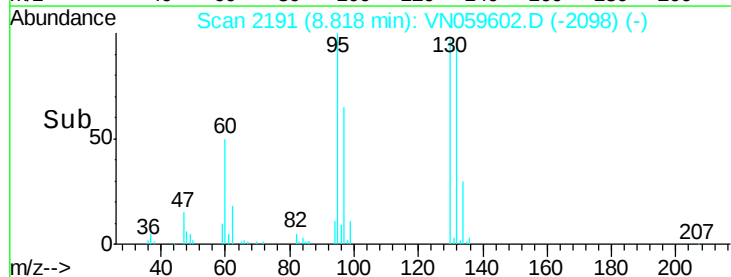
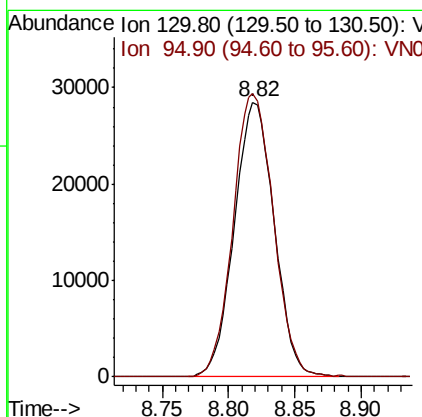
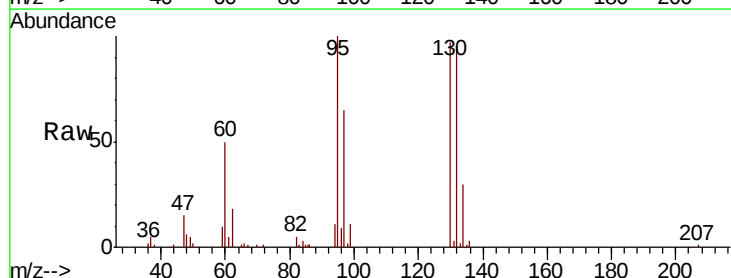
Manual Integrations
APPROVED

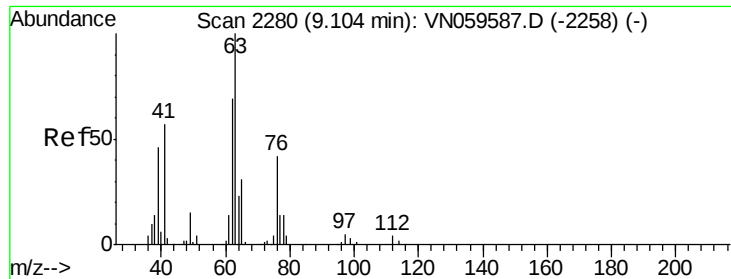
apatel
12/17/2019 12:51:19 PM



#44
Trichloroethene
Concen: 18.399 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	207.0





#45

1,2-Dichloropropane

Concen: 18.565 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 63 Resp: 61959

Ion Ratio Lower Upper

63 100

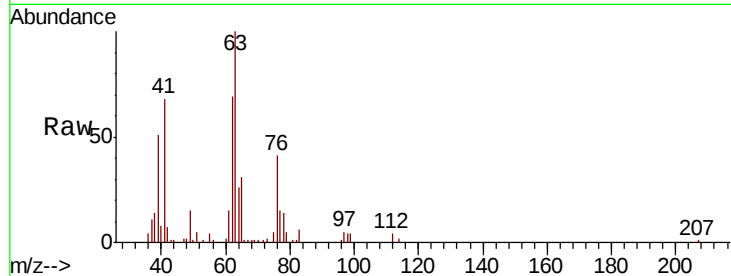
65 30.6 24.9 37.3

Manual Integrations

APPROVED

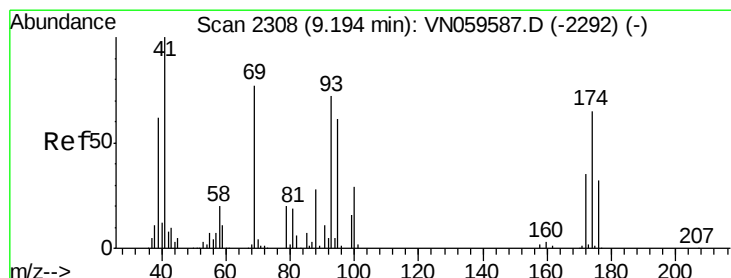
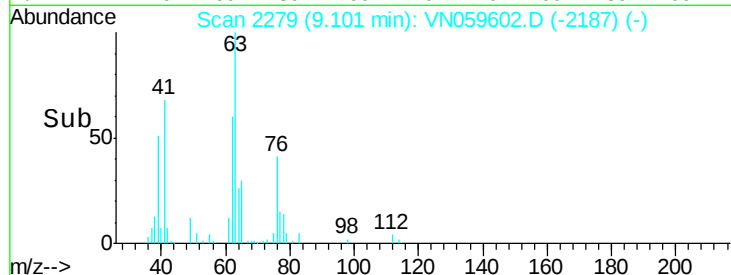
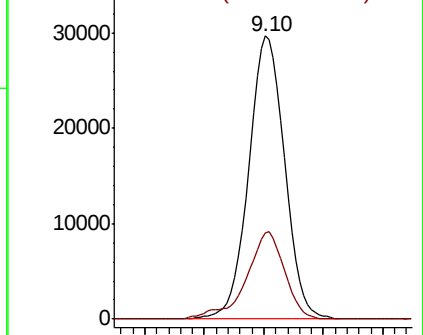
apatel

12/17/2019 12:51:19 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.610 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

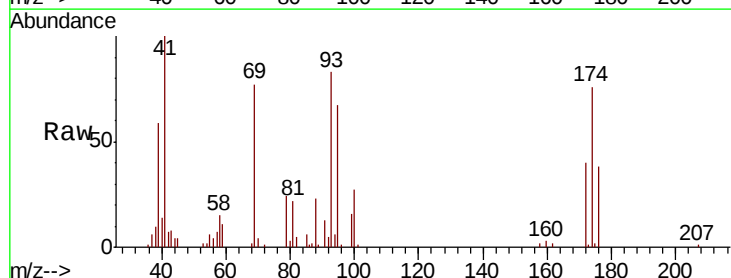
Tgt Ion: 93 Resp: 40692

Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.6

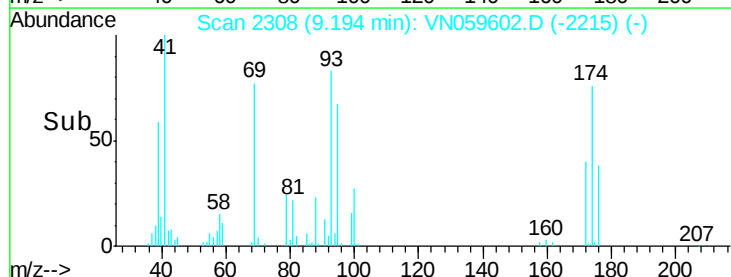
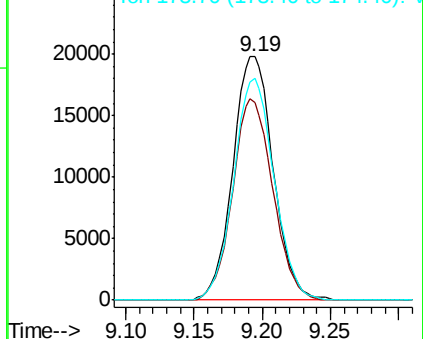
174 91.1 73.4 110.2

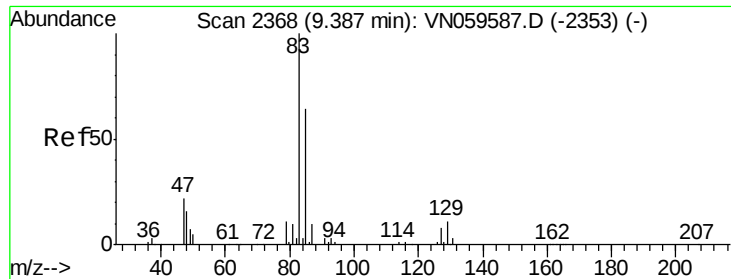


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.822 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

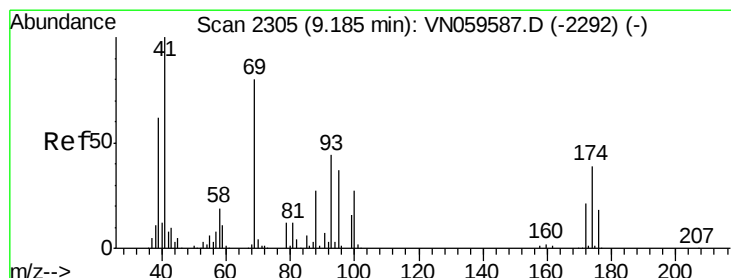
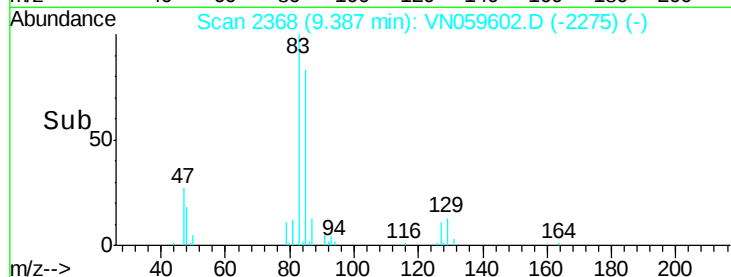
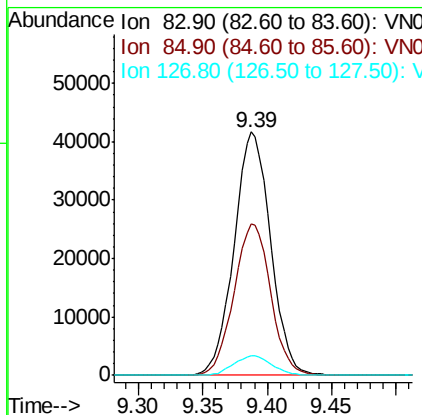
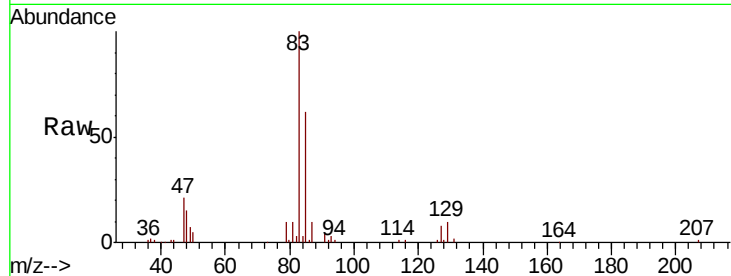
ClientSampleId :

VN1216WBS03

Tot Ion:	83	Resp:	82054
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	7.9	6.6	9.8

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#48

Methyl methacrylate

Concen: 17.905 ug/l

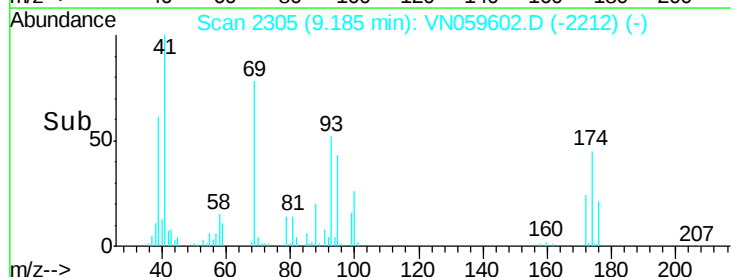
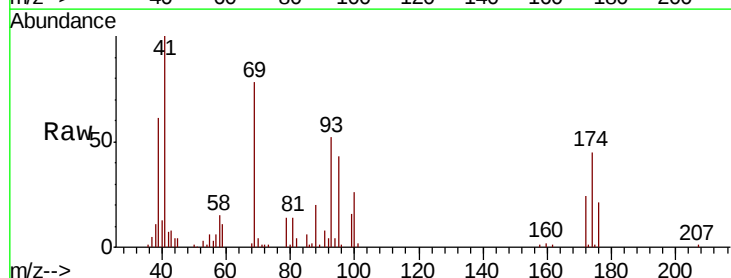
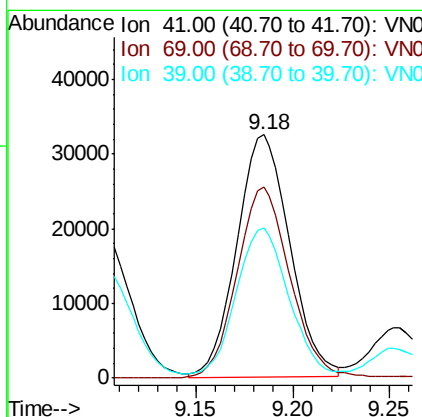
RT: 9.18 min Scan# 2305

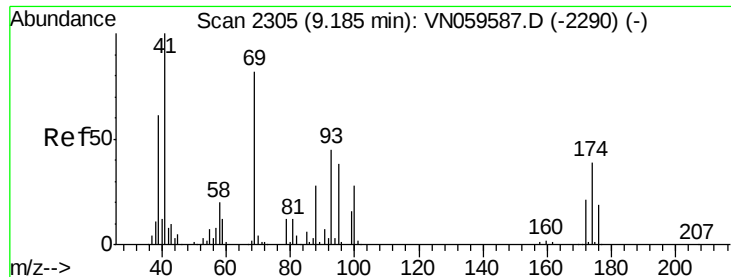
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	41	Resp:	62081
Ion	Ratio	Lower	Upper
41	100		
69	79.0	64.4	96.6
39	62.7	51.3	76.9





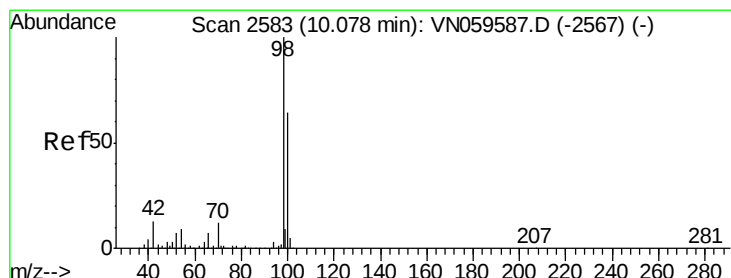
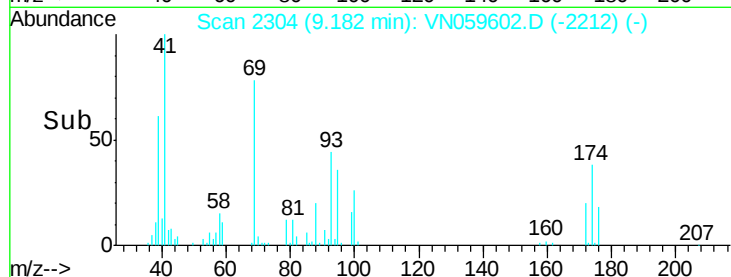
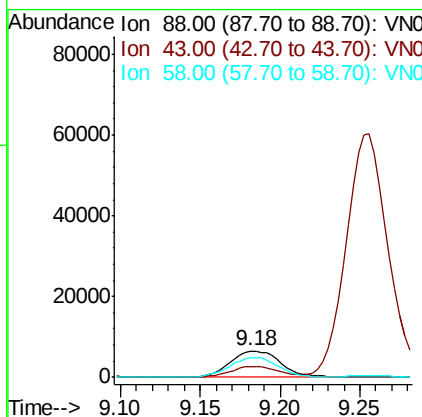
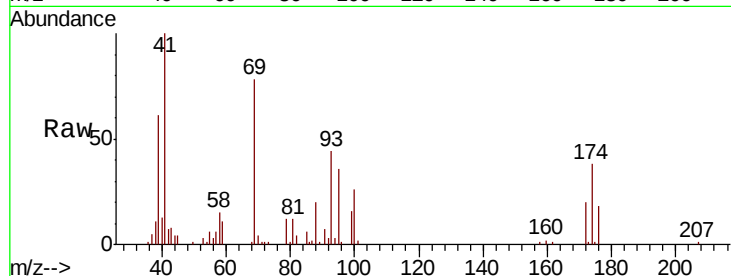
#49
1,4-Dioxane
Concen: 281.739 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	29.7	44.5
58	73.3	56.6	85.0

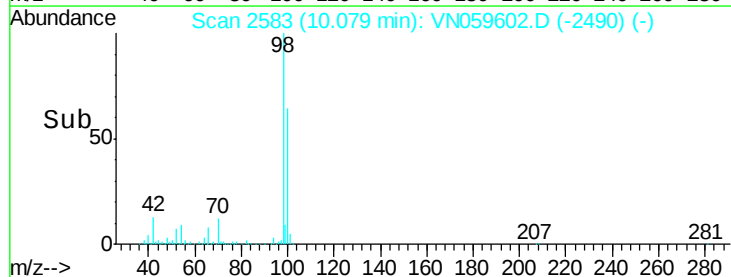
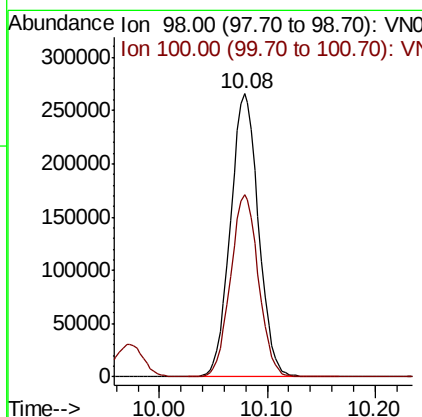
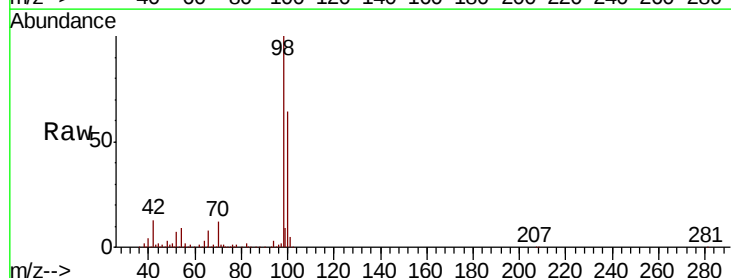
Manual Integrations
APPROVED

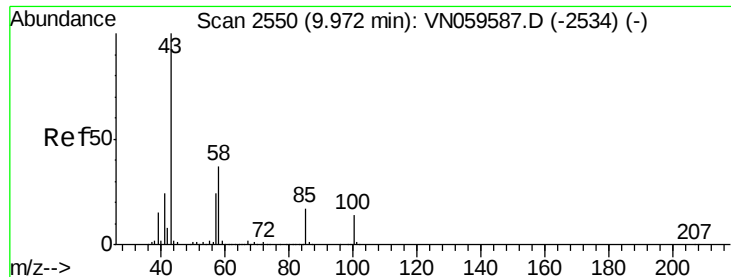
apatel
12/17/2019 12:51:19 PM



#50
Toluene-d8
Concen: 48.049 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 91.616 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 43 Resp: 417446

Ion Ratio Lower Upper

43 100

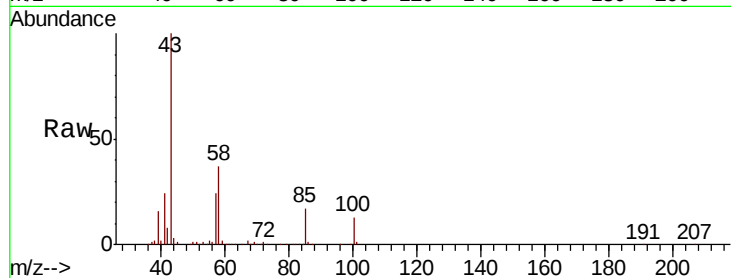
58 37.0 29.8 44.8

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

250000

200000

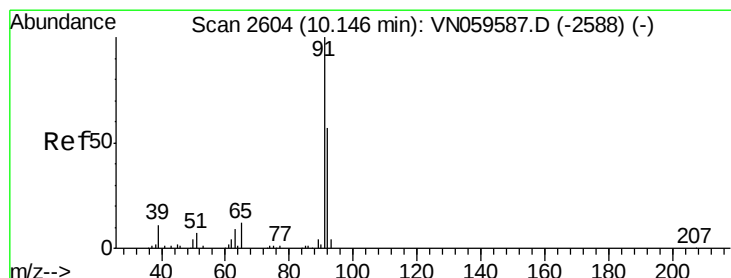
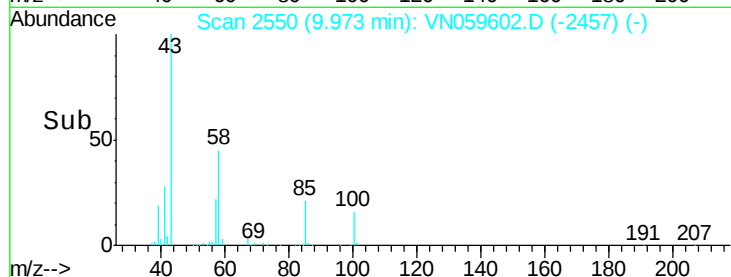
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.842 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059602.D

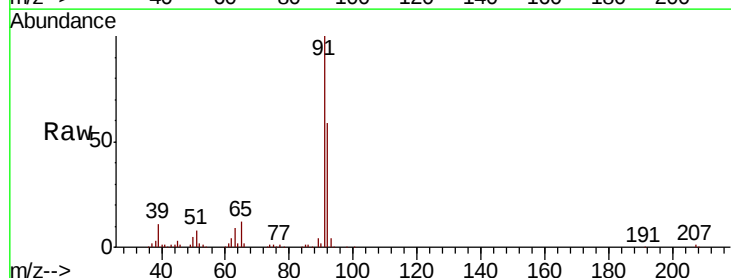
Acq: 16 Dec 2019 14:56

Tgt Ion: 92 Resp: 143083

Ion Ratio Lower Upper

92 100

91 170.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

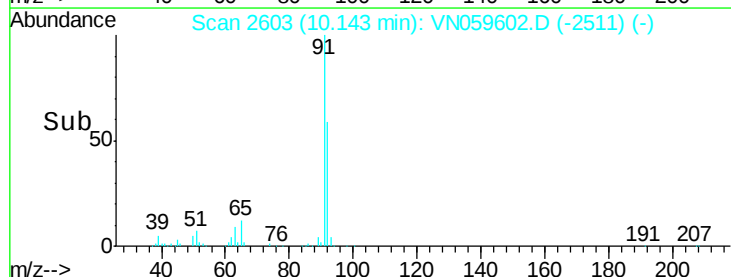
150000

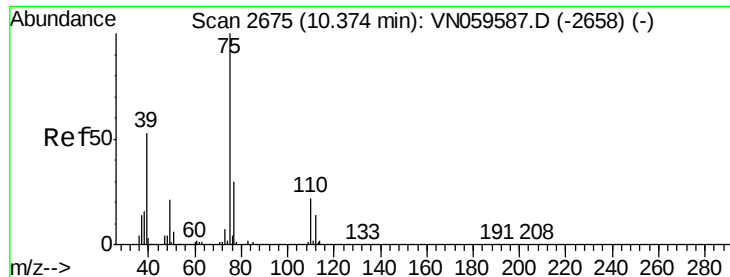
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.205 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 75 Resp: 91784

Ion Ratio Lower Upper

75 100

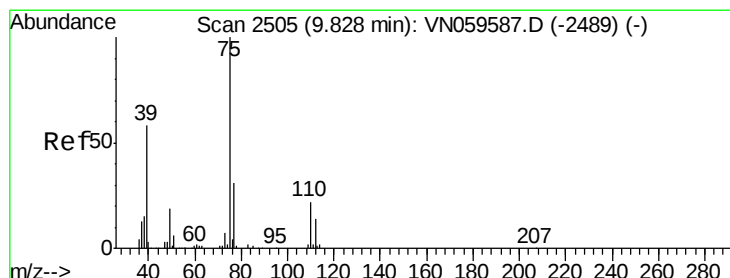
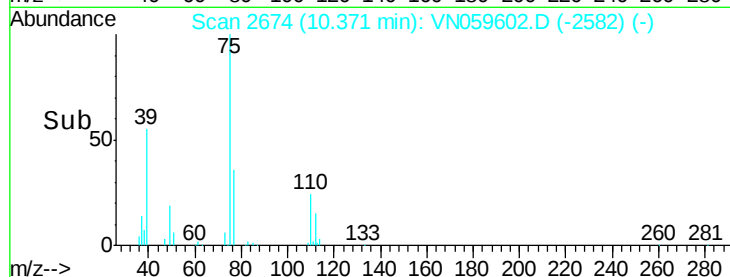
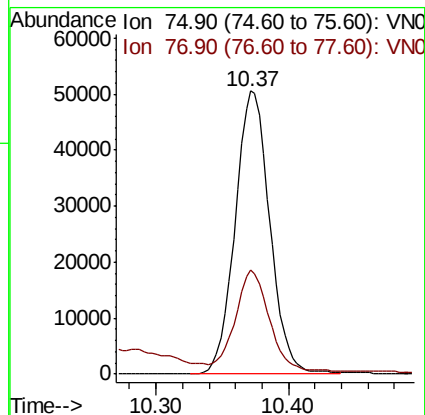
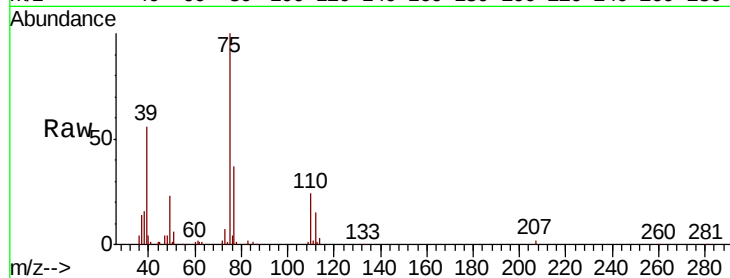
77 35.7 25.4 38.2

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



#54

cis-1,3-Dichloropropene

Concen: 18.526 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

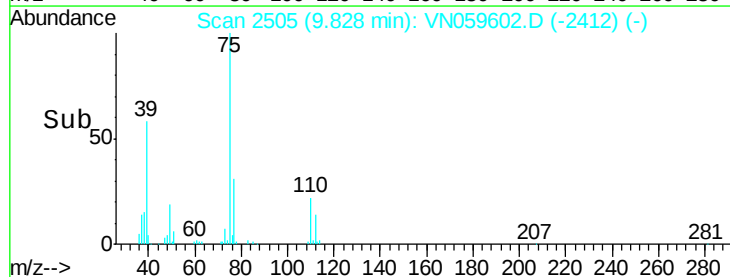
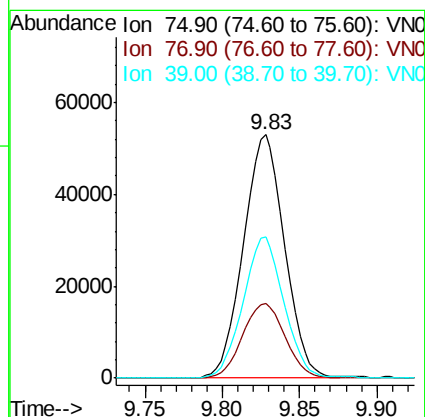
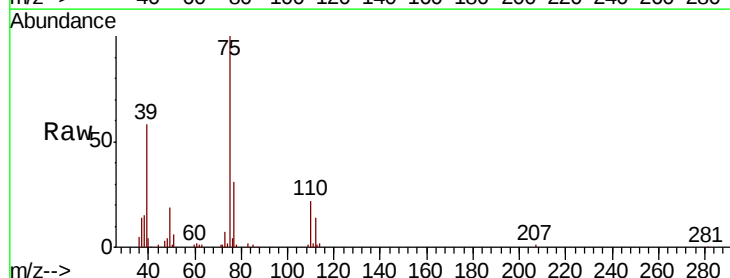
Tgt Ion: 75 Resp: 98182

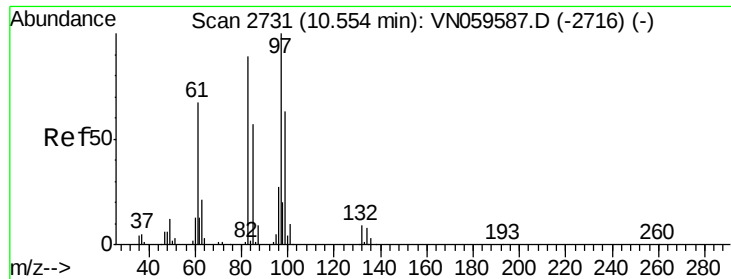
Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 58.0 46.1 69.1





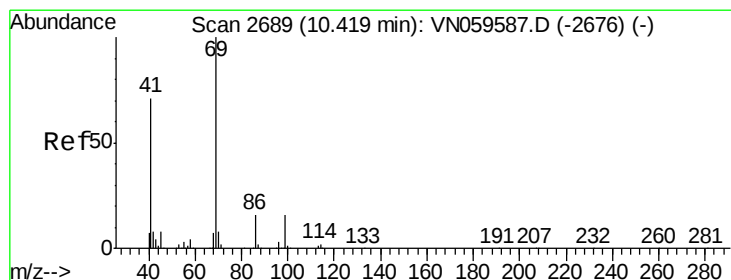
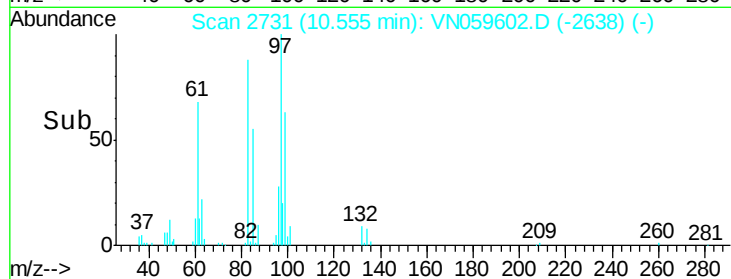
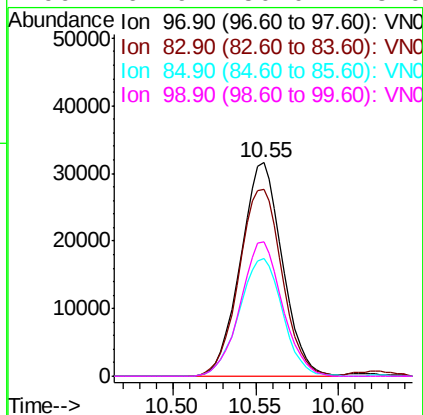
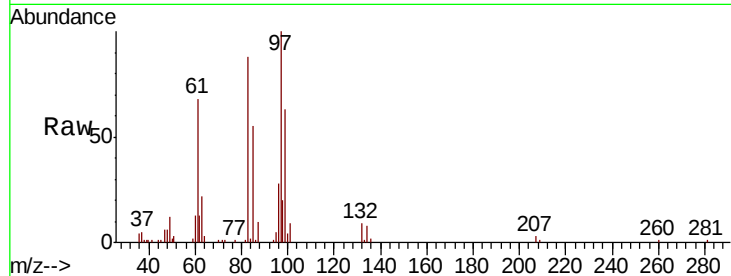
#55
 1,1,2-Trichloroethane
 Concen: 18.643 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion:	97	Resp:	55554
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.3	106.9
85	54.8	45.8	68.8
99	62.9	50.0	75.0

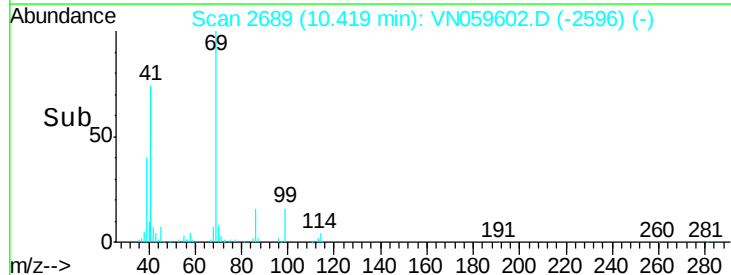
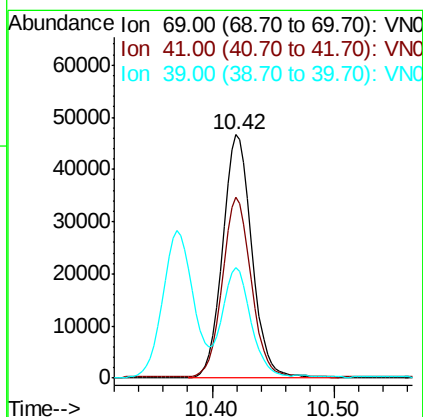
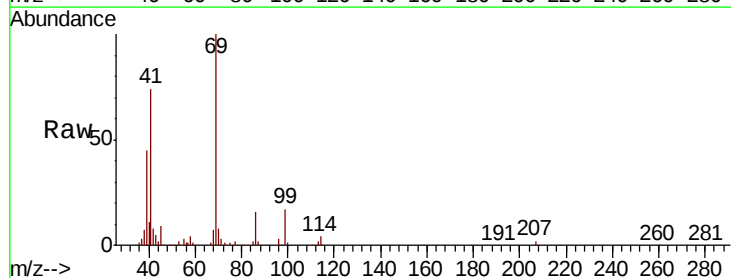
Manual Integrations
 APPROVED

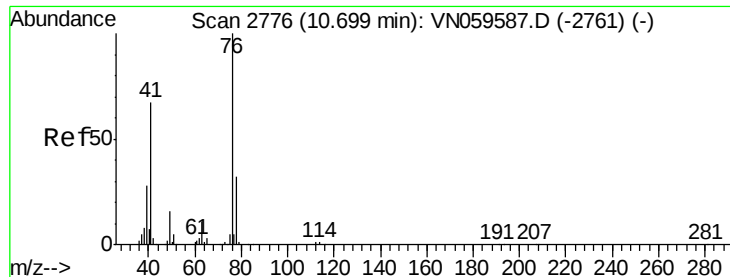
apatel
 12/17/2019 12:51:19 PM



#56
 Ethyl methacrylate
 Concen: 17.779 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion:	69	Resp:	78653
Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.1	85.7
39	45.7	34.7	52.1





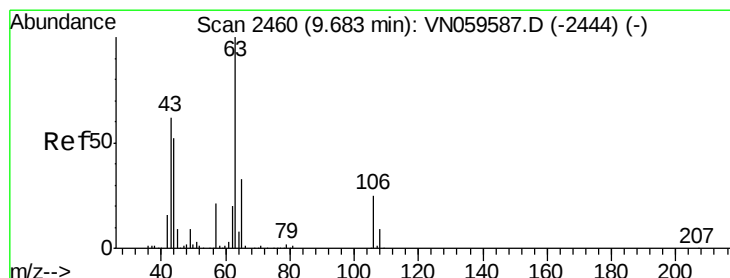
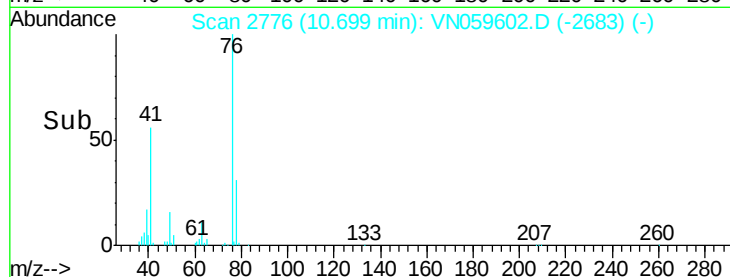
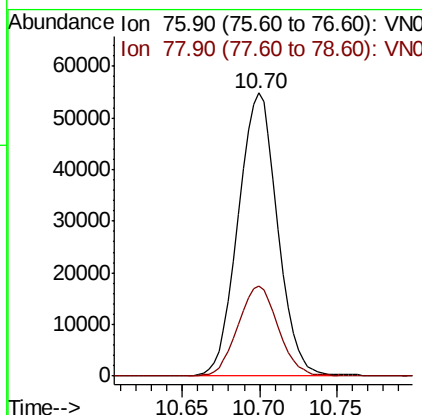
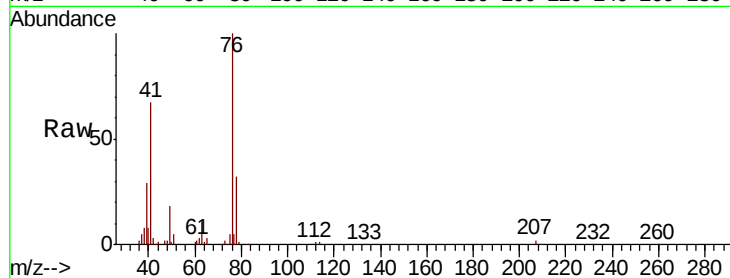
#57
 1,3-Dichloropropane
 Concen: 18.698 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion: 76 Resp: 97013
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

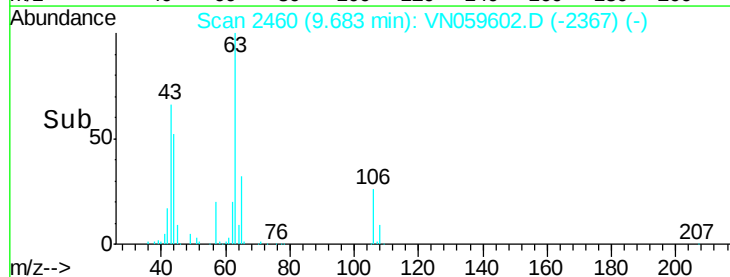
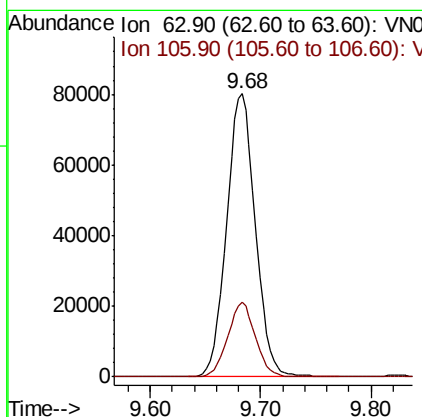
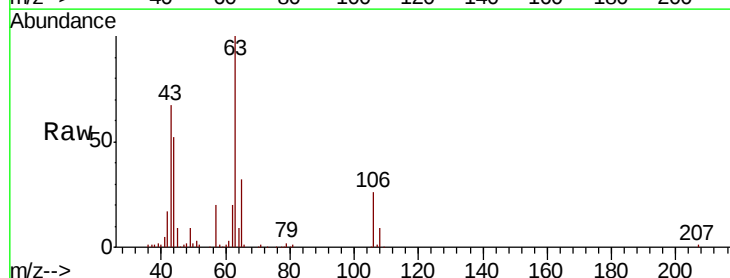
Manual Integrations
 APPROVED

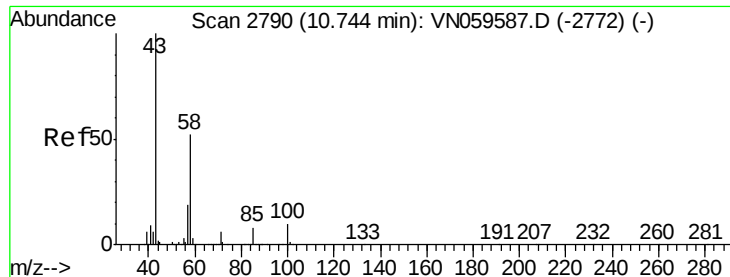
apatel
 12/17/2019 12:51:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.849 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 63 Resp: 144703
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.2 30.2





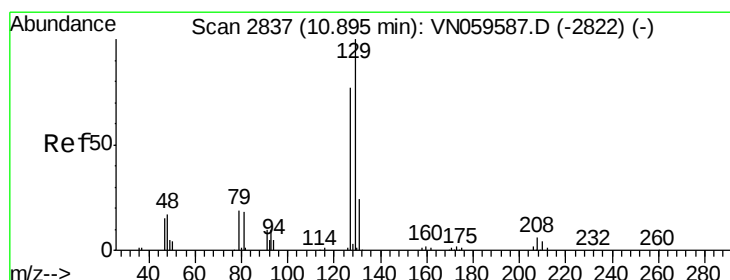
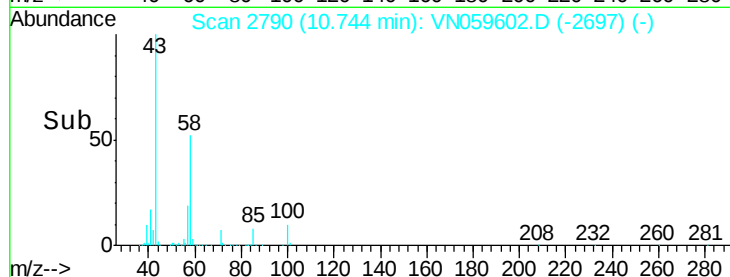
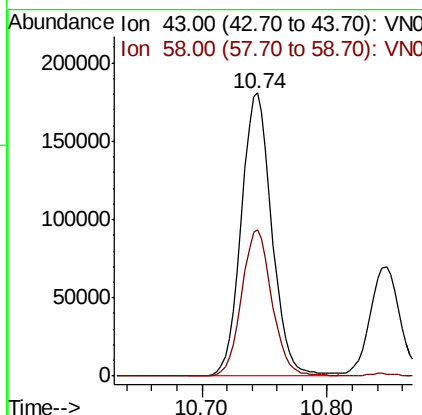
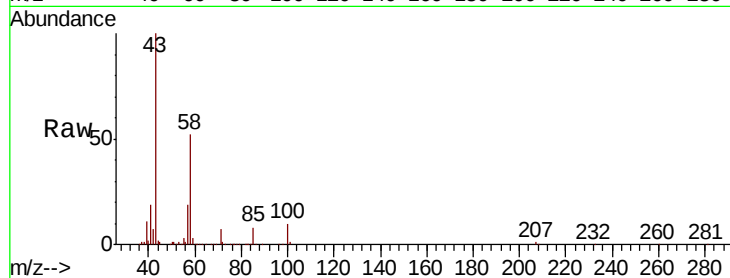
#59
2-Hexanone
Concen: 85.655 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion: 43 Resp: 307594
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

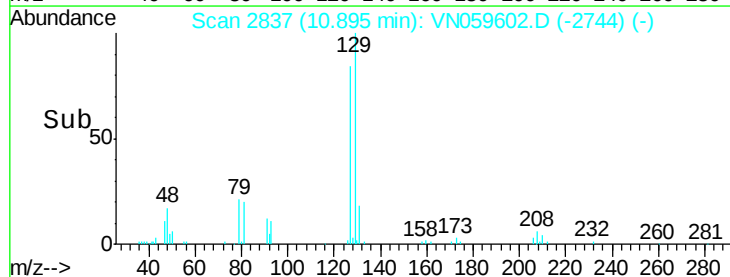
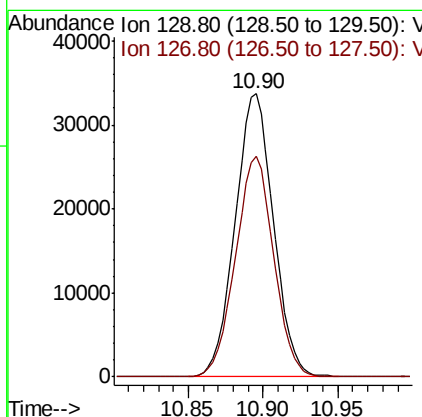
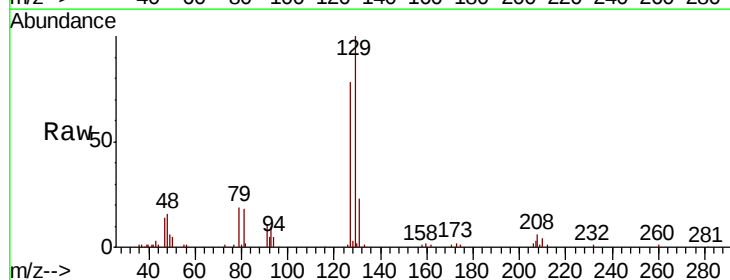
Manual Integrations
APPROVED

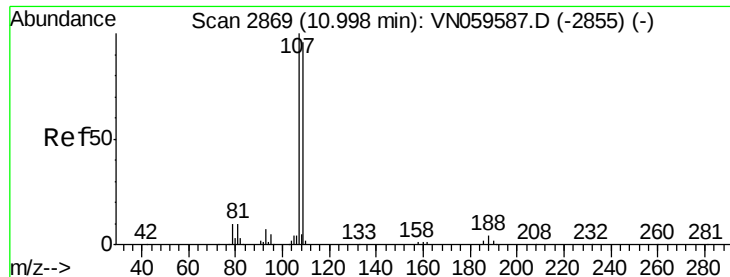
apatel
12/17/2019 12:51:19 PM



#60
Dibromochloromethane
Concen: 18.508 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 129 Resp: 60194
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.990 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 107 Resp: 56855

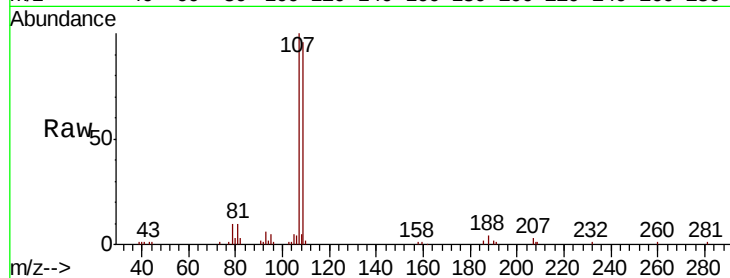
Ion Ratio Lower Upper

107 100

109 96.6 76.6 115.0

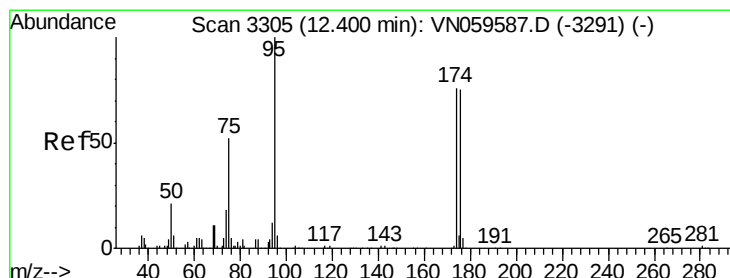
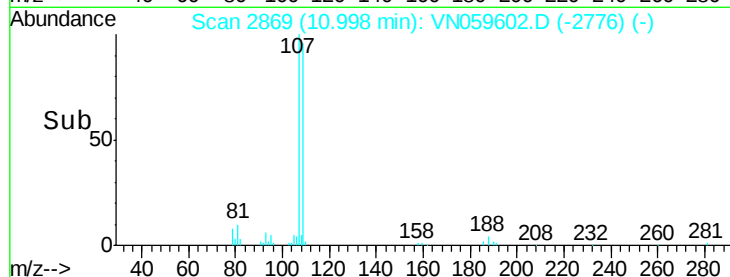
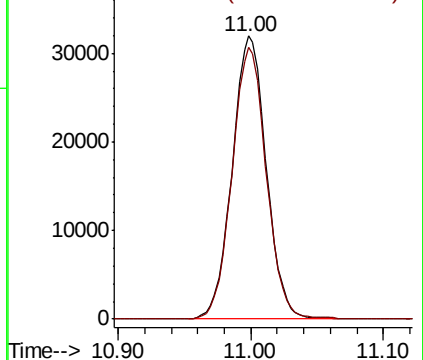
Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.246 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

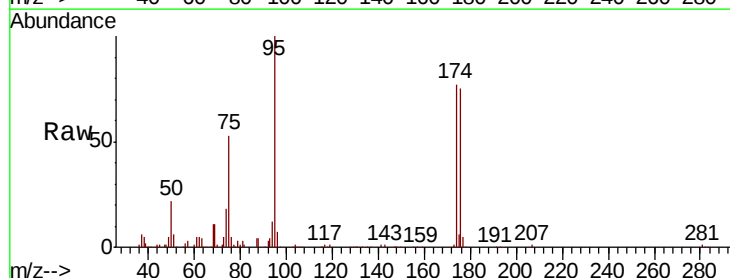
Tgt Ion: 95 Resp: 169523

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.4

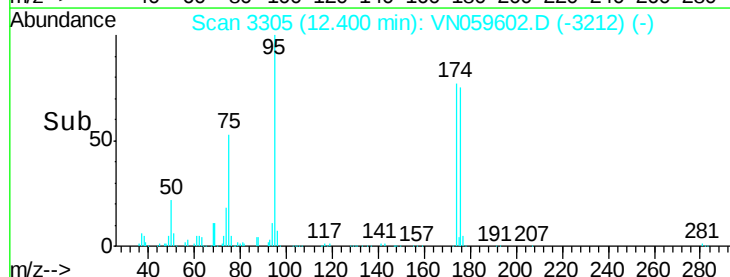
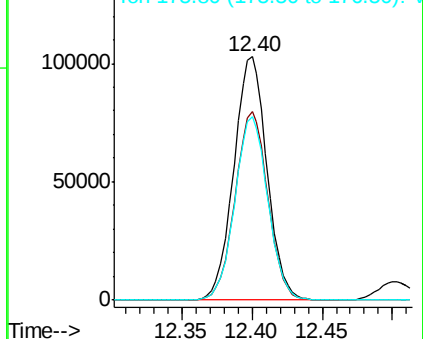
176 75.0 0.0 146.0

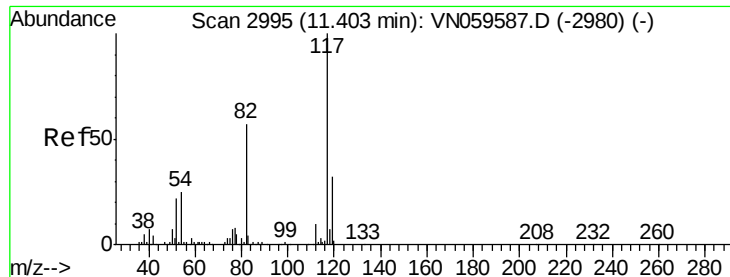


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

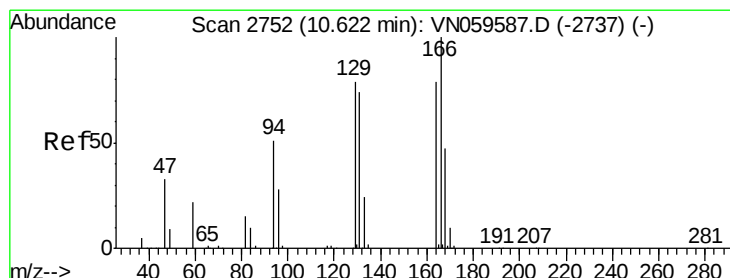
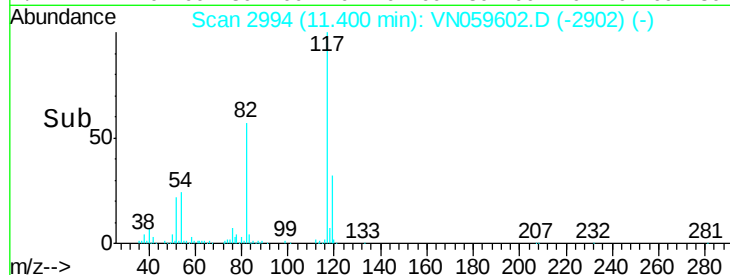
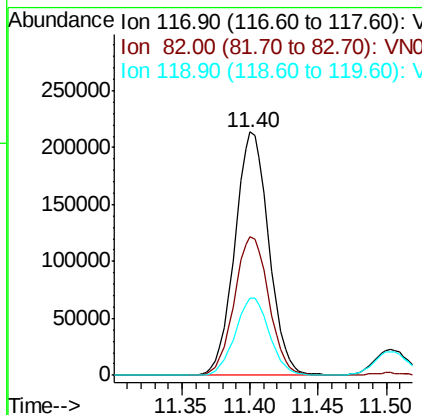
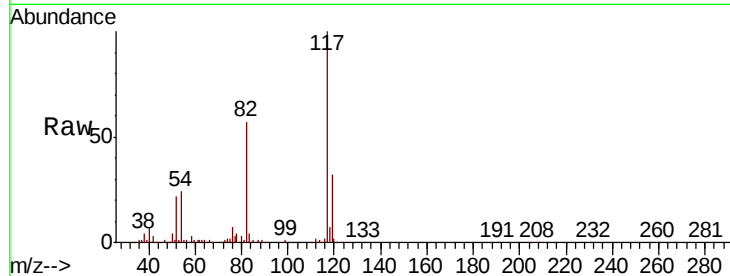
ClientSampleId :

VN1216WBS03

Tot Ion:	117	Resp:	369783
Ion Ratio	Lower	Upper	
117	100		
82	56.8	45.9	68.9
119	31.9	25.5	38.3

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#64

Tetrachloroethene

Concen: 15.724 ug/l

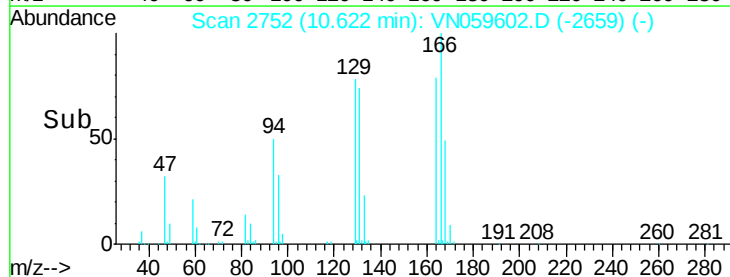
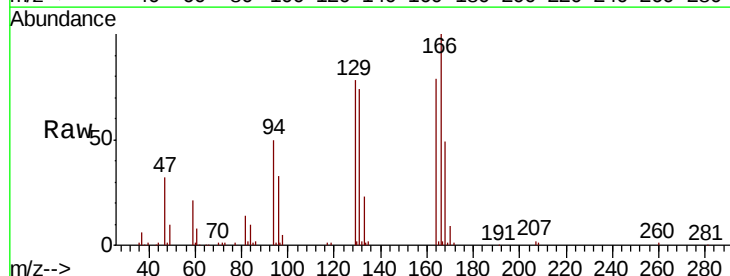
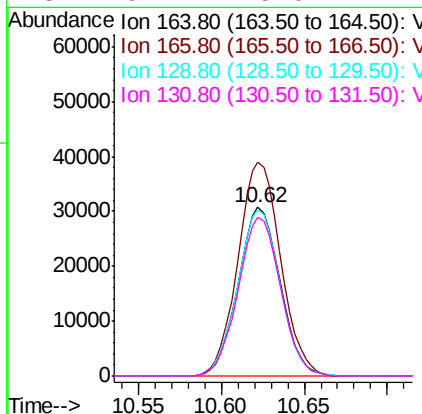
RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	164	Resp:	54203
Ion Ratio	Lower	Upper	
164	100		
166	126.5	101.4	152.0
129	98.3	80.2	120.4
131	94.2	75.0	112.4





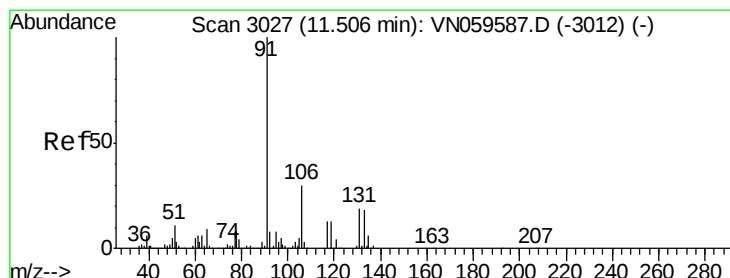
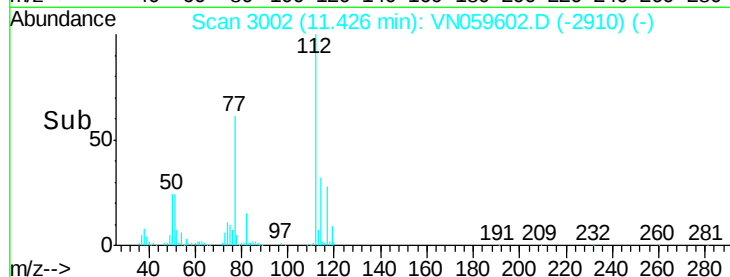
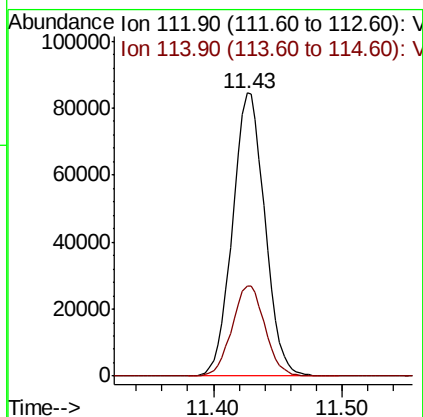
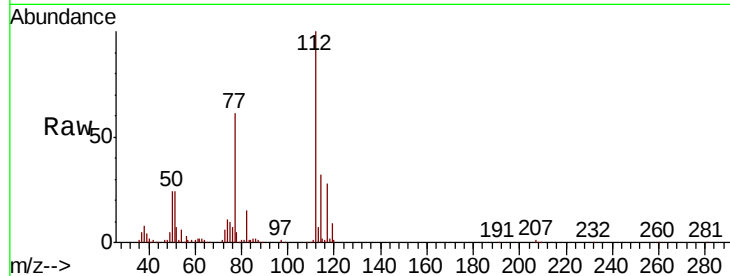
#65
Chlorobenzene
Concen: 18.356 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion:112 Resp: 146873
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

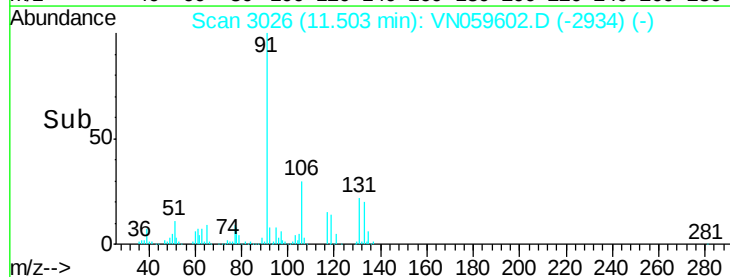
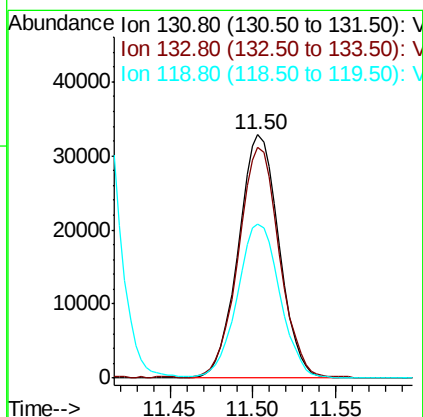
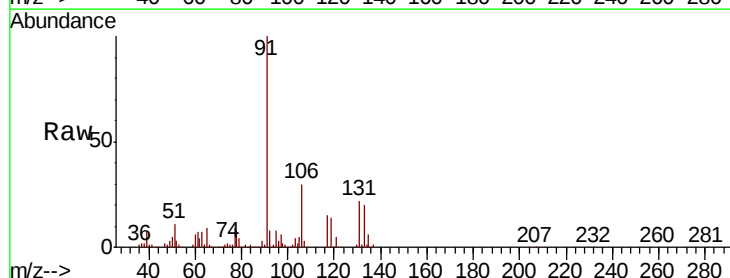
Manual Integrations
APPROVED

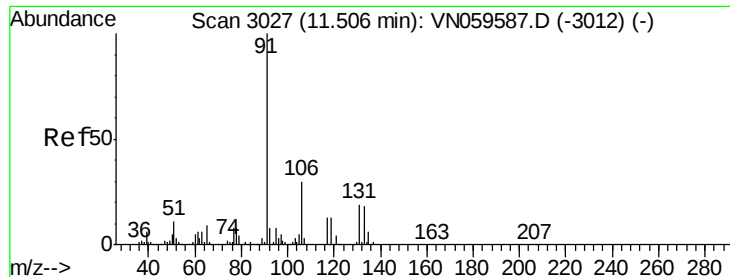
apatel
12/17/2019 12:51:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.426 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion:131 Resp: 56000
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 18.356 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 91 Resp: 265110

Ion Ratio Lower Upper

91 100

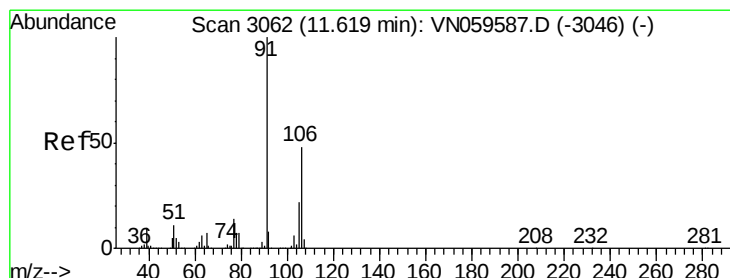
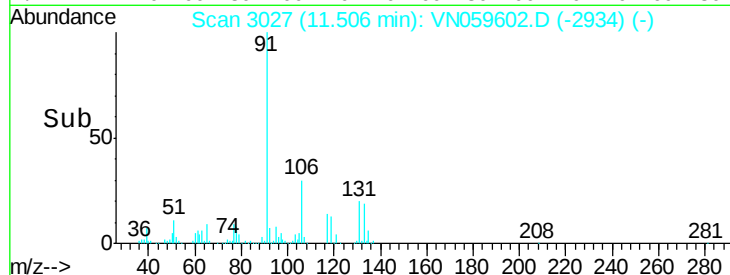
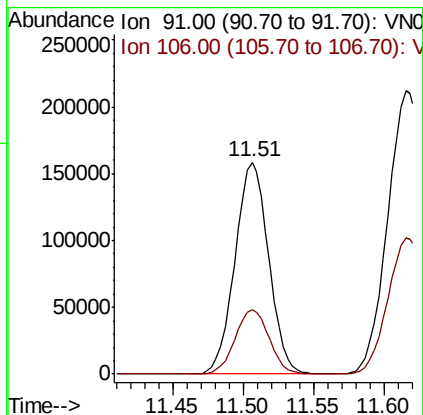
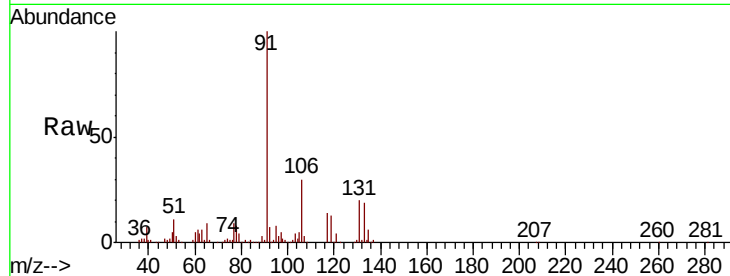
106 30.1 24.1 36.1

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



#68

m/p-Xylenes

Concen: 36.900 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059602.D

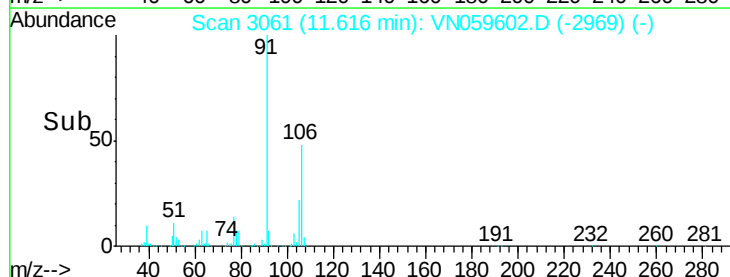
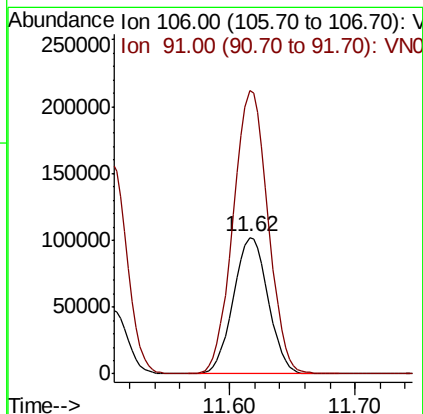
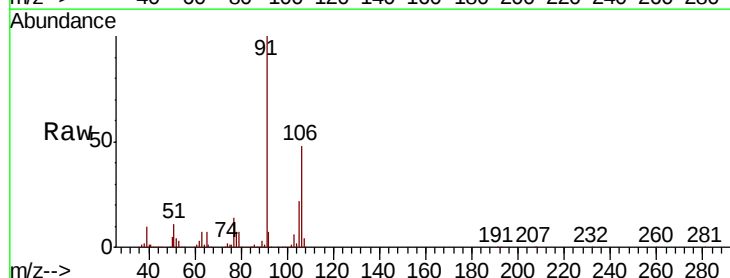
Acq: 16 Dec 2019 14:56

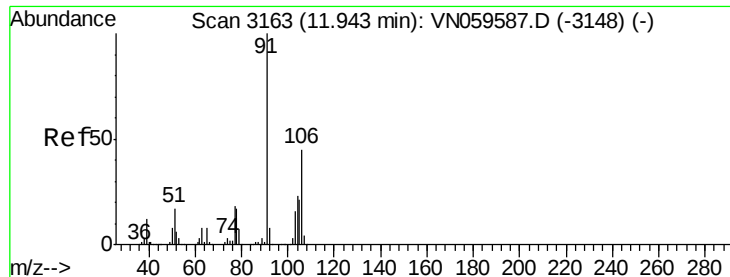
Tgt Ion: 106 Resp: 196795

Ion Ratio Lower Upper

106 100

91 207.4 167.9 251.9





#69

o-Xylene

Concen: 18.435 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion:106 Resp: 93549

Ion Ratio Lower Upper

106 100

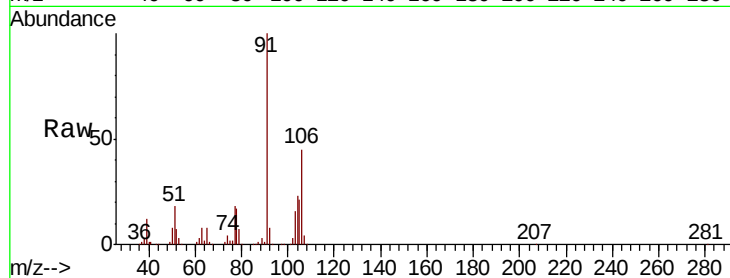
91 218.0 110.3 330.9

Manual Integrations

APPROVED

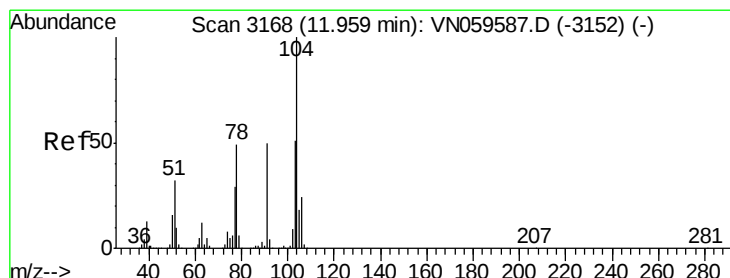
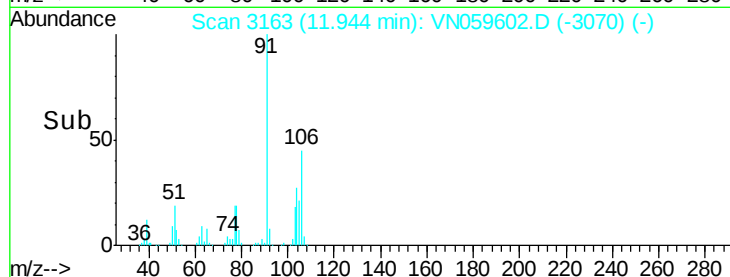
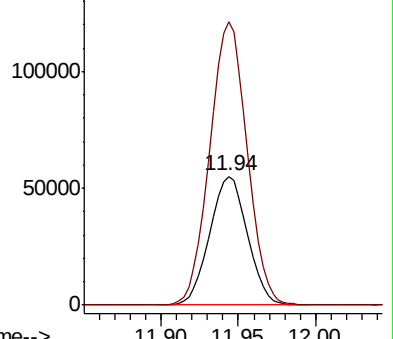
apatel

12/17/2019 12:51:19 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 17.728 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

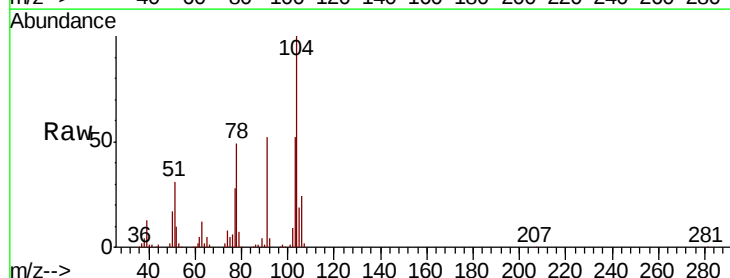
Tgt Ion:104 Resp: 144541

Ion Ratio Lower Upper

104 100

78 54.1 42.4 63.6

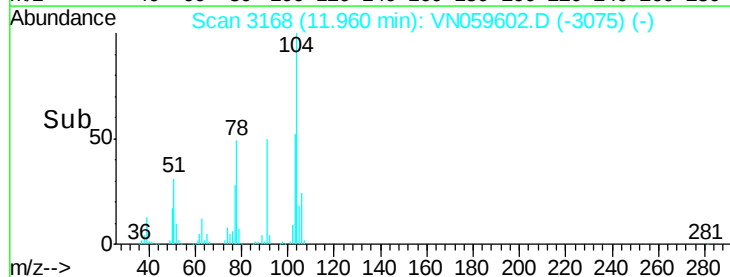
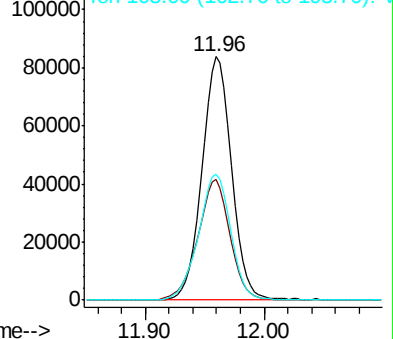
103 56.4 43.9 65.9

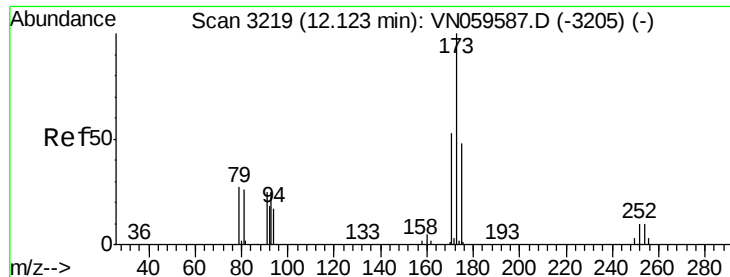


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





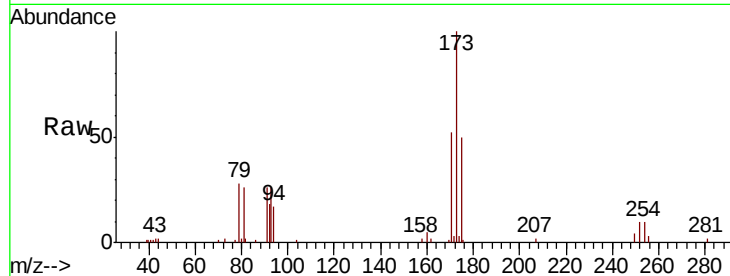
#71
Bromoform
Concen: 17.984 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM

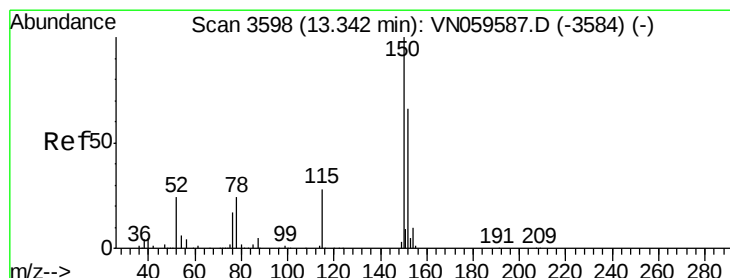
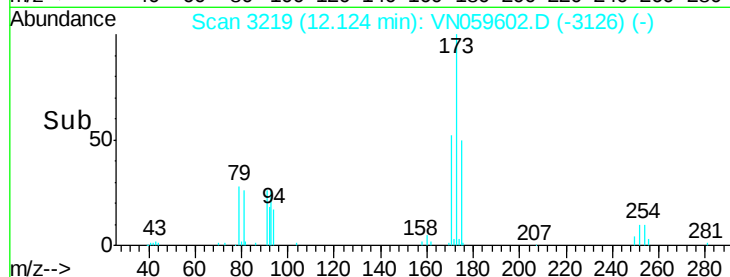
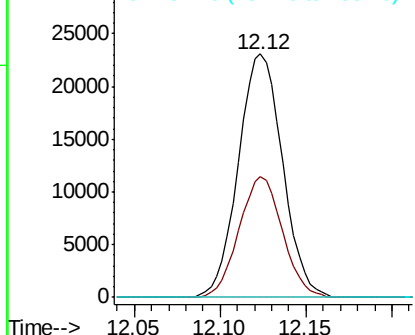


Abundance

Ion 172.70 (172.40 to 173.40): V

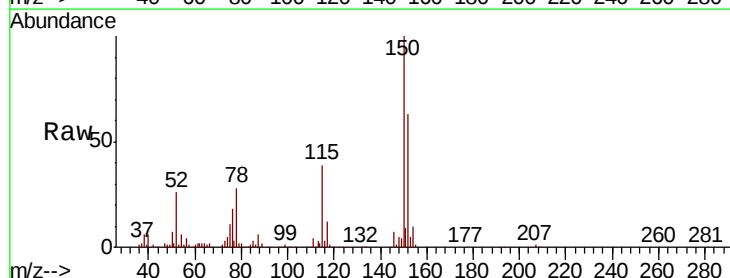
Ion 174.70 (174.40 to 175.40): V

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: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.3	90.9
150	164.4	0.0	345.2

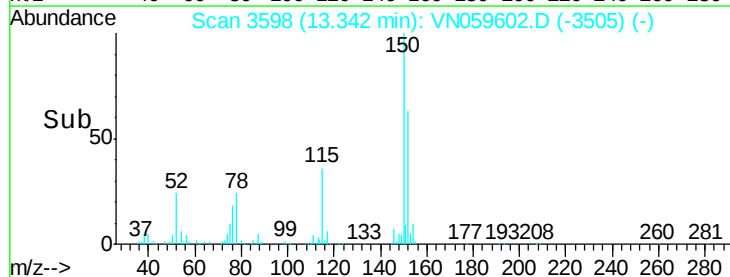
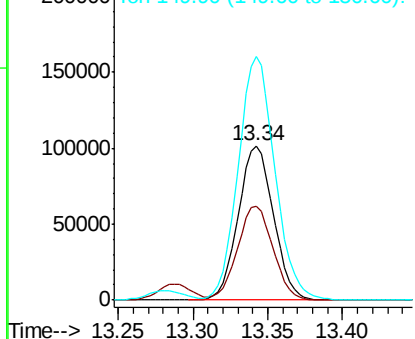


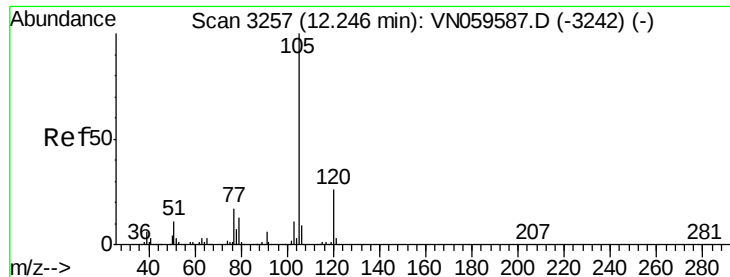
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.249 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 105 Resp: 251909

Ion Ratio Lower Upper

105 100

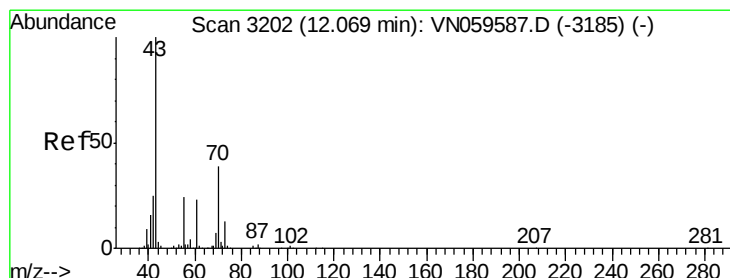
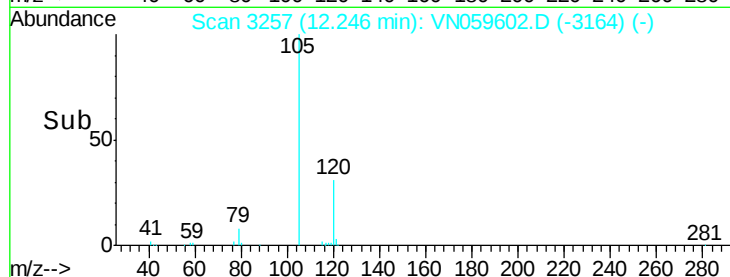
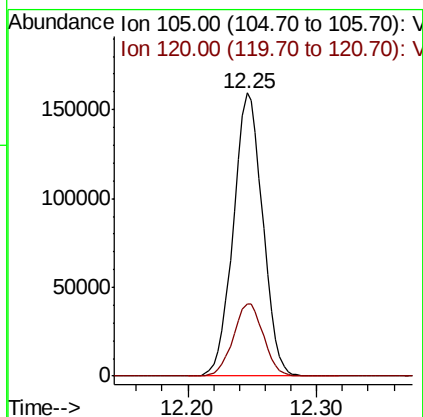
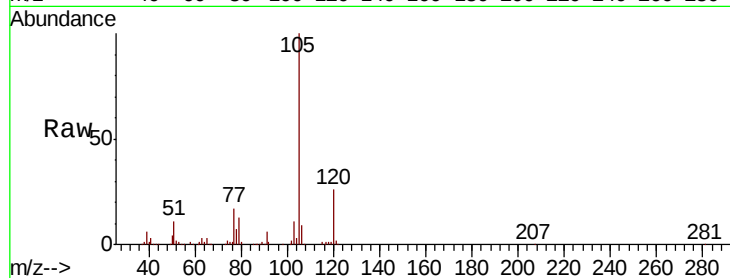
120 26.2 13.2 39.5

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



#74

N-ethyl acetate

Concen: 17.940 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion: 43 Resp: 107695

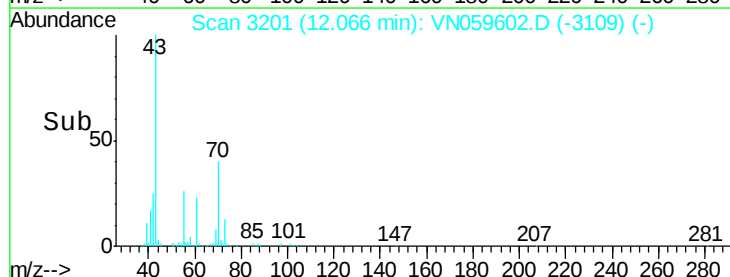
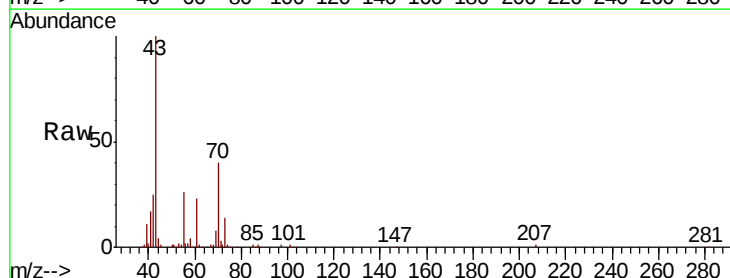
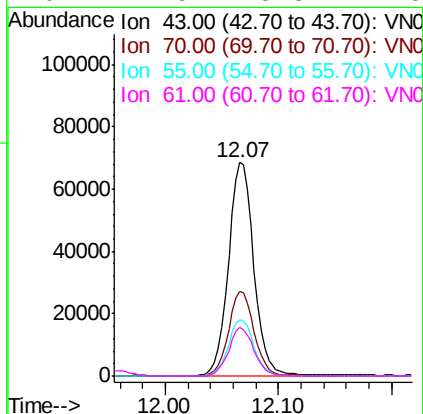
Ion Ratio Lower Upper

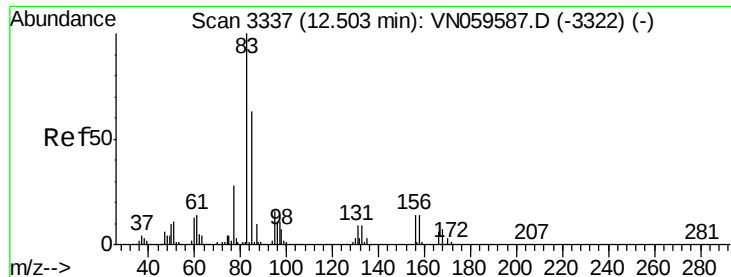
43 100

70 39.7 31.3 46.9

55 26.4 19.8 29.6

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.073 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

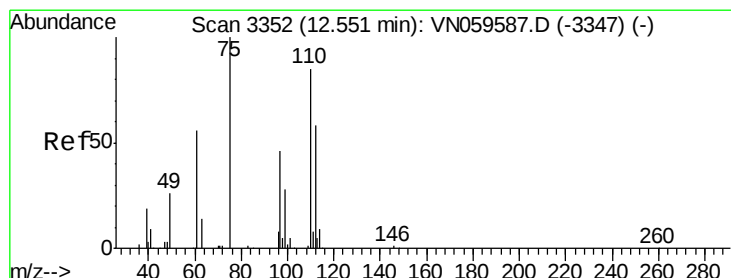
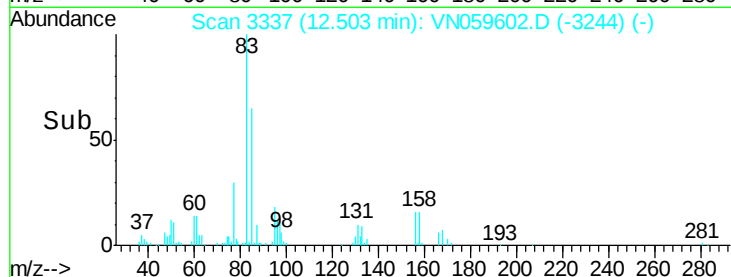
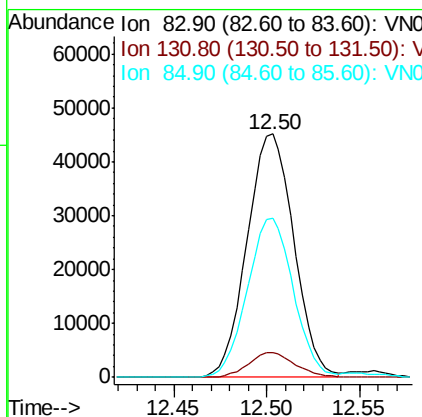
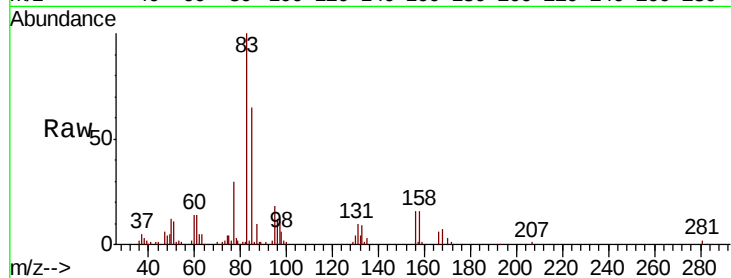
ClientSampleId :

VN1216WBS03

Tot Ion:	83	Resp:	79180
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.0	31.9	95.5

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#76

1,2,3-Trichloropropane

Concen: 20.243 ug/l m

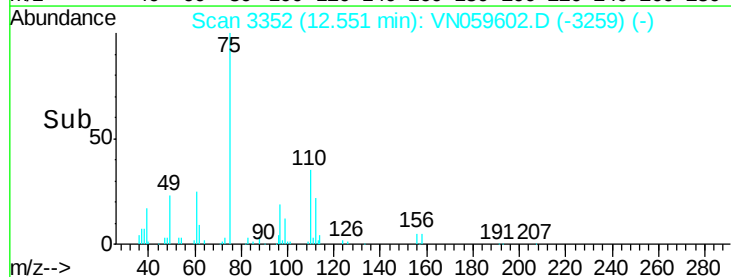
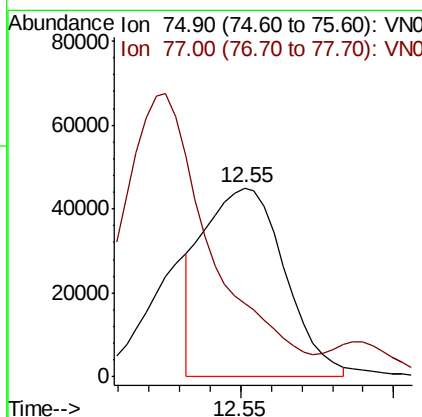
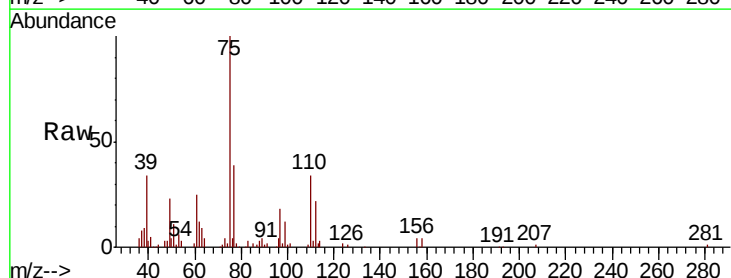
RT: 12.55 min Scan# 3352

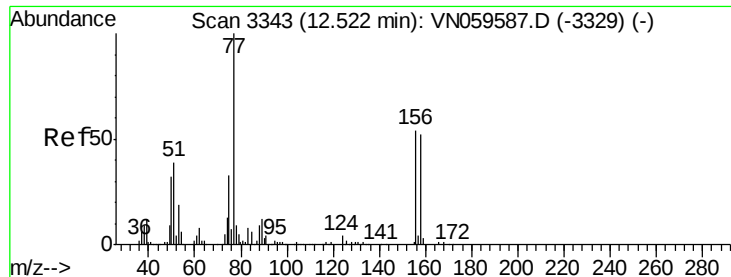
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	75	Resp:	83545
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.874 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

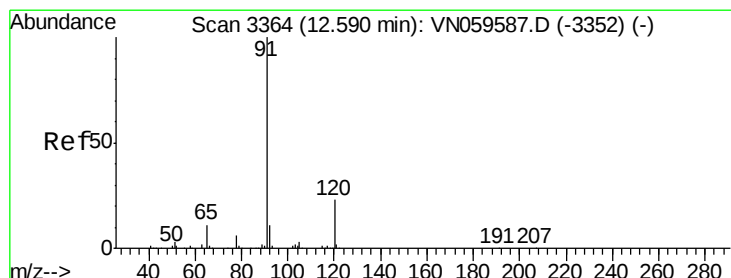
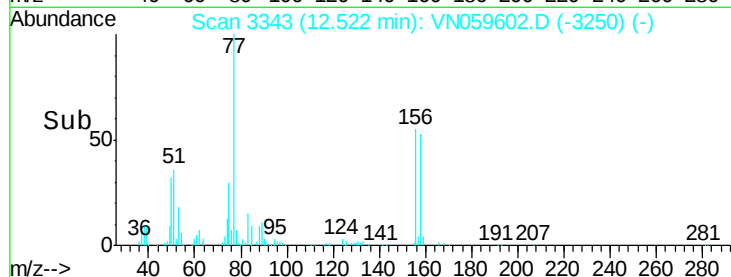
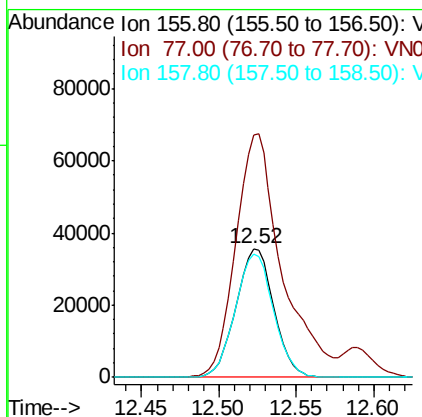
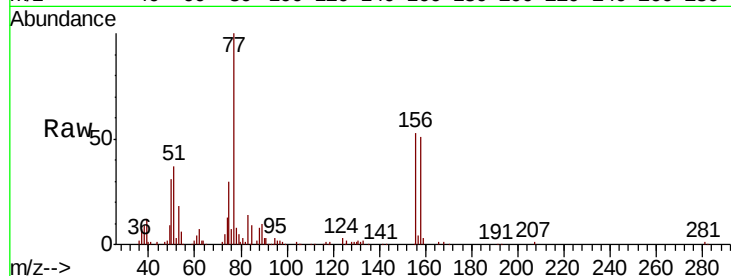
ClientSampleId :

VN1216WBS03

Tot Ion:	156	Resp:	60745
Ion	Ratio	Lower	Upper
156	100		
77	229.3	115.8	347.4
158	96.8	49.2	147.6

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#78

n-propylbenzene

Concen: 18.996 ug/l

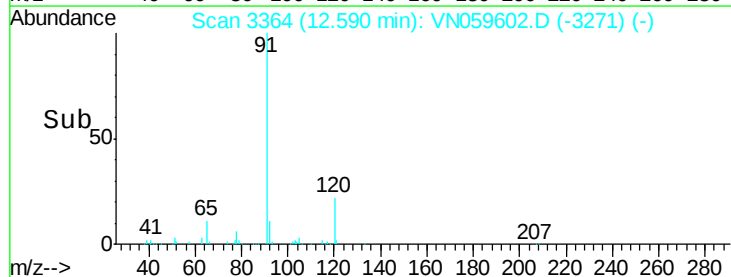
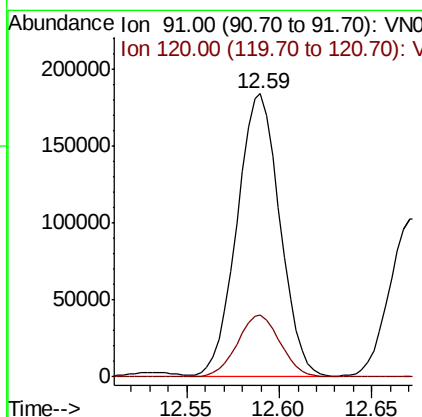
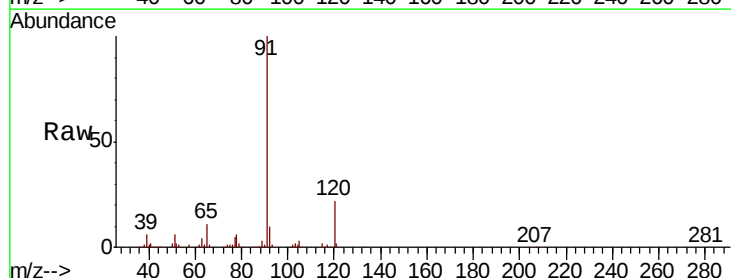
RT: 12.59 min Scan# 3364

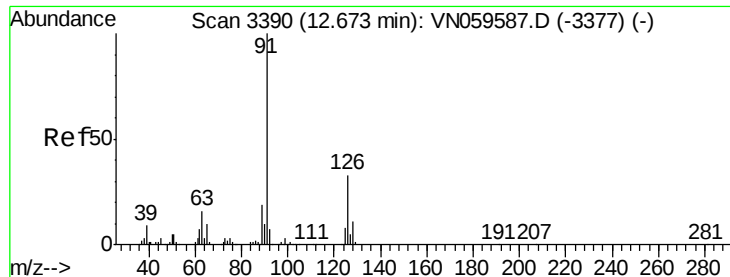
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	91	Resp:	293865
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.698 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion: 91 Resp: 174907

Ion Ratio Lower Upper

91 100

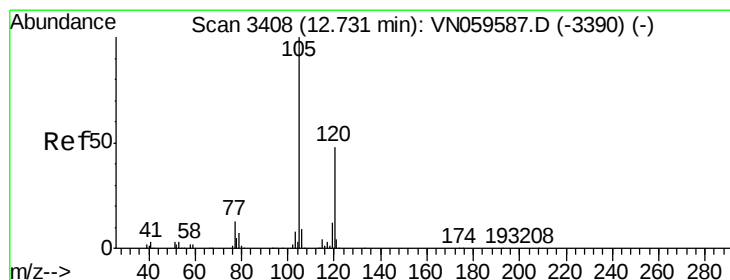
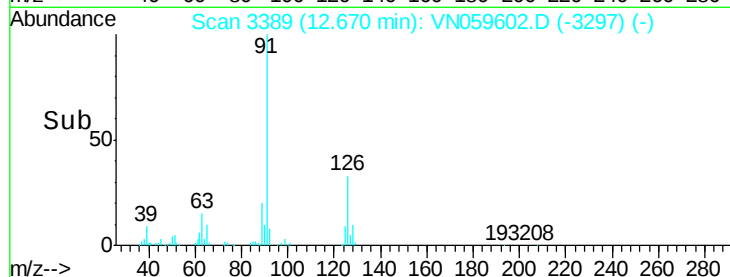
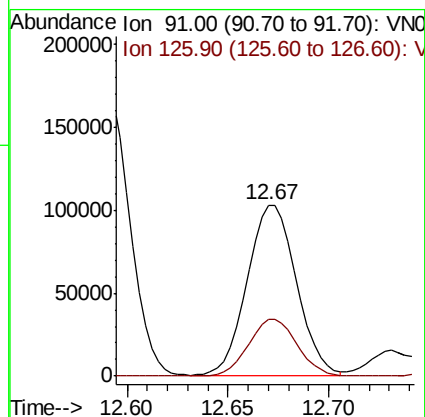
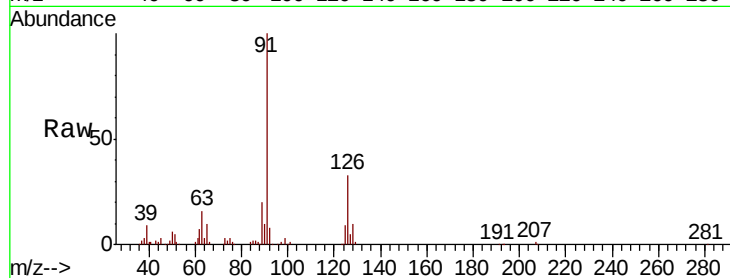
126 33.4 16.3 48.9

Manual Integrations

APPROVED

apatel

12/17/2019 12:51:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.205 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059602.D

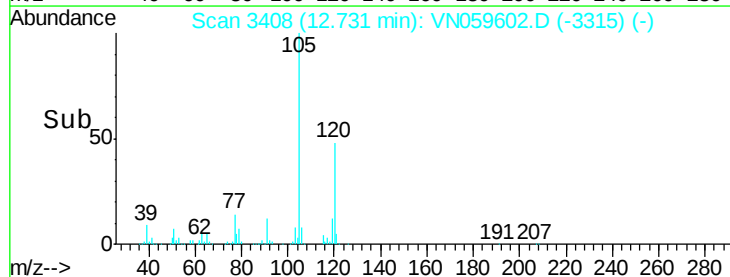
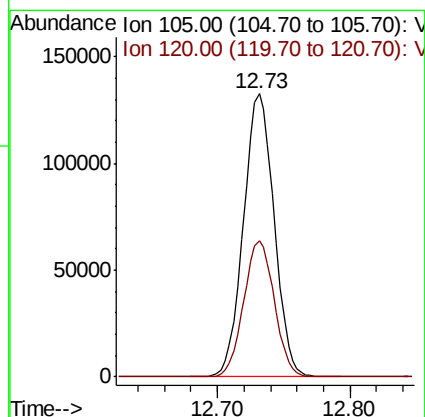
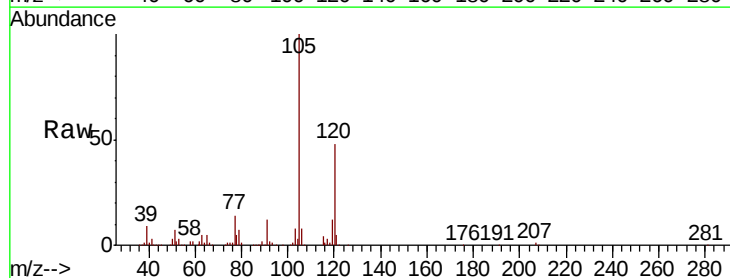
Acq: 16 Dec 2019 14:56

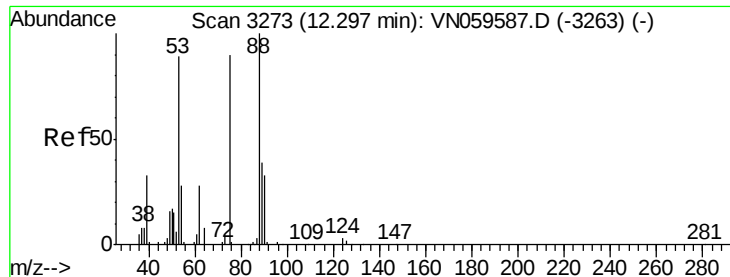
Tgt Ion: 105 Resp: 212690

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.438 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

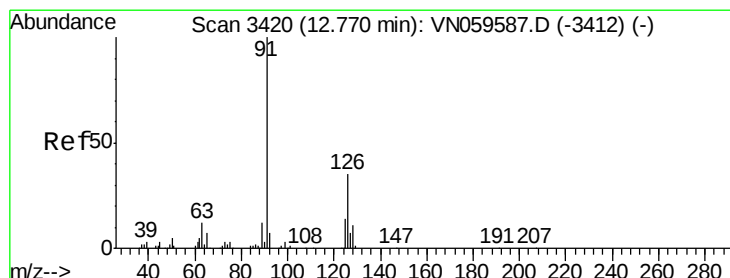
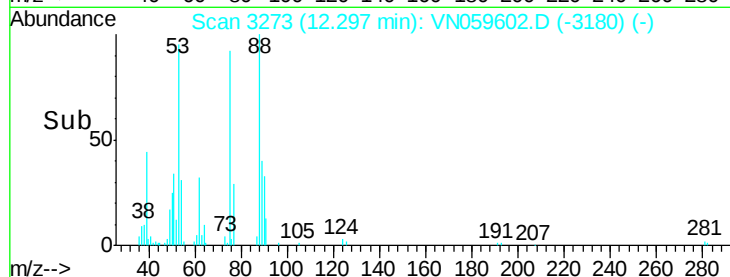
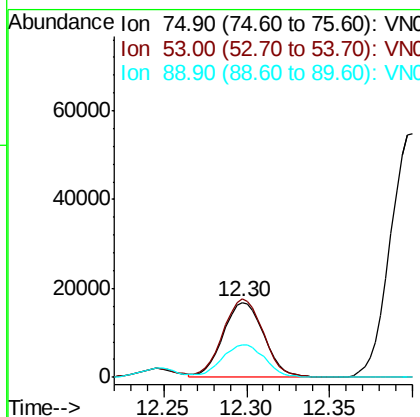
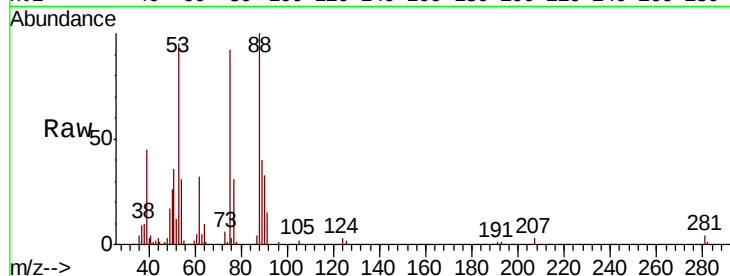
ClientSampleId :

VN1216WBS03

Tot Ion:	75	Resp:	29137
Ion Ratio	Lower	Upper	
75	100		
53	102.9	78.1	117.1
89	45.1	35.4	53.2

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#82

4-Chlorotoluene

Concen: 18.898 ug/l

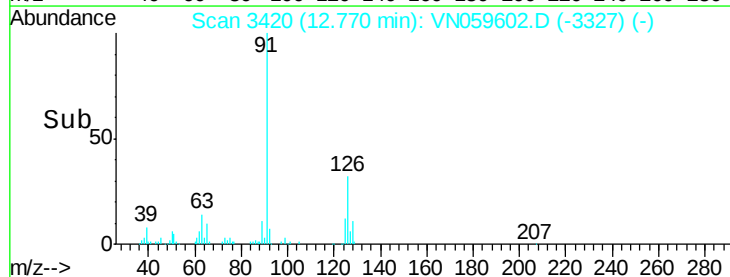
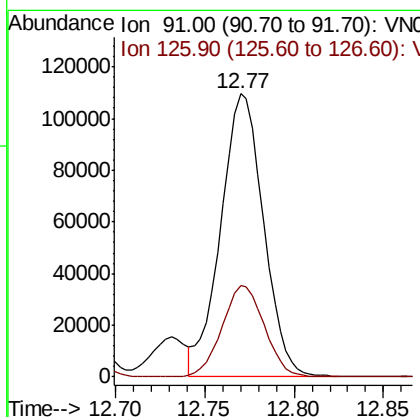
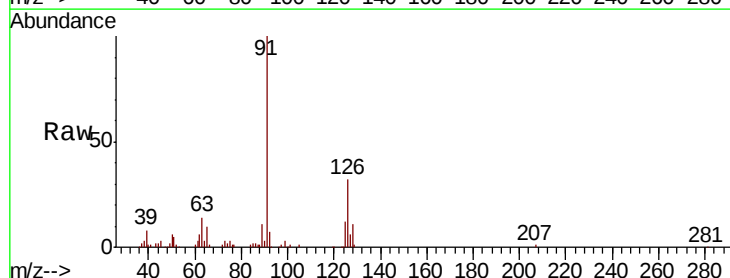
RT: 12.77 min Scan# 3420

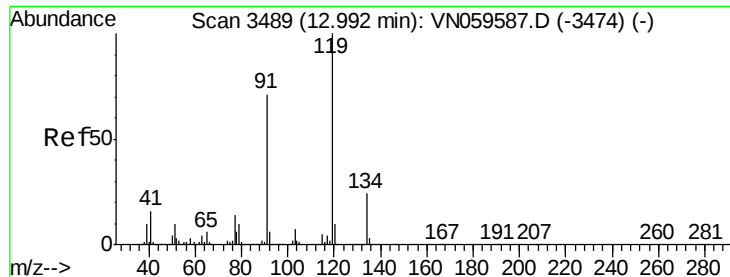
Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion:	91	Resp:	181002
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.3	48.8





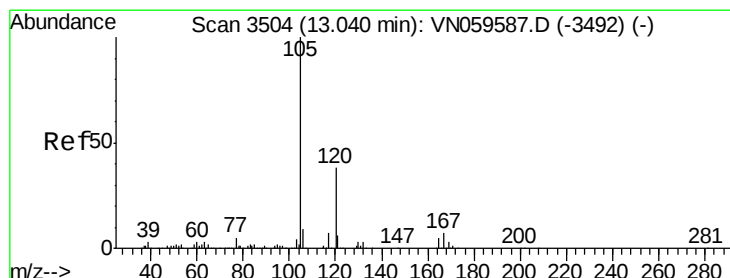
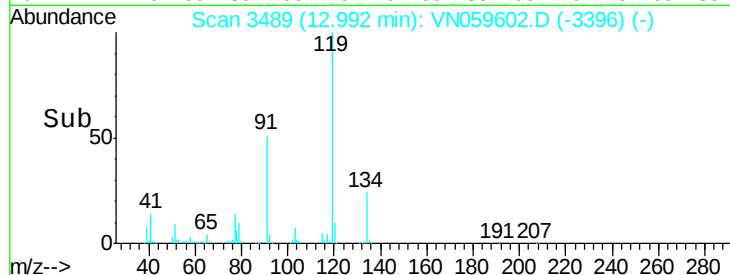
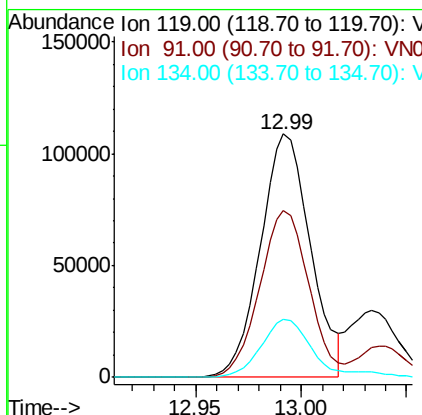
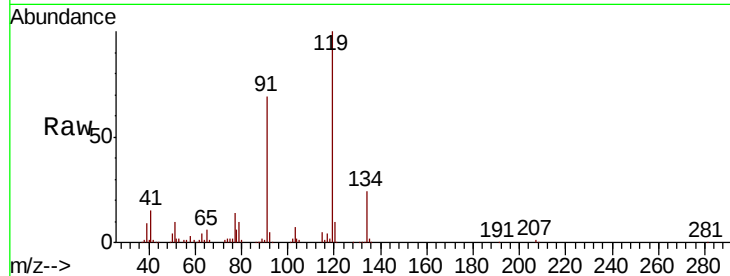
#83
 tert-Butylbenzene
 Concen: 19.151 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.8	104.4
134	25.0	12.3	36.9

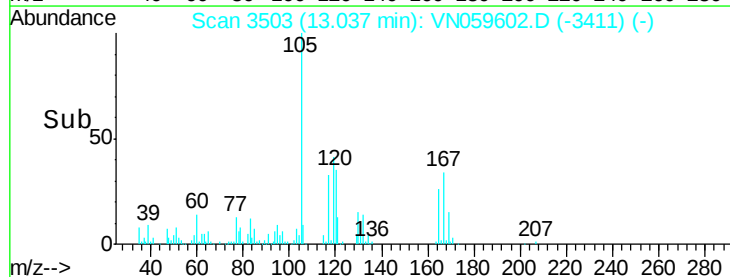
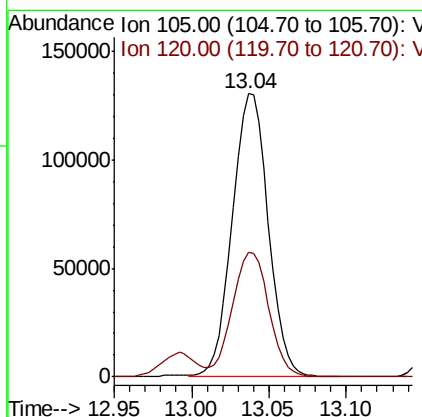
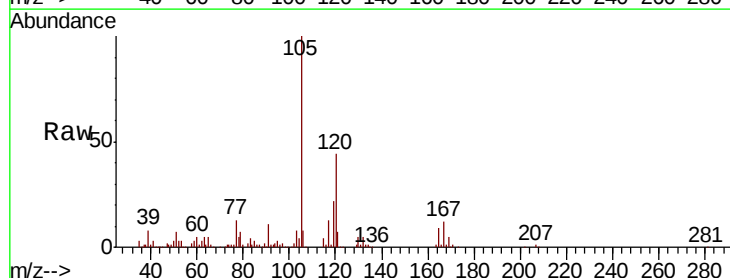
Manual Integrations
 APPROVED

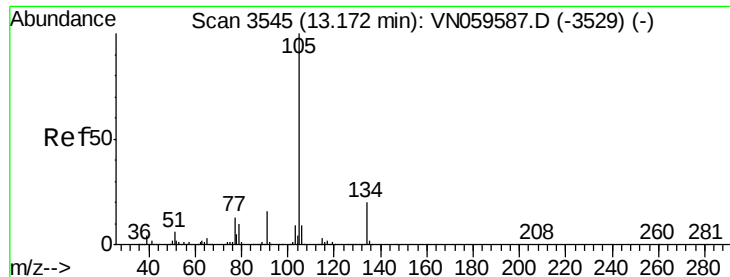
apatel
 12/17/2019 12:51:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.053 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.366 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tot Ion:105 Resp: 241608

Ion Ratio Lower Upper

105 100

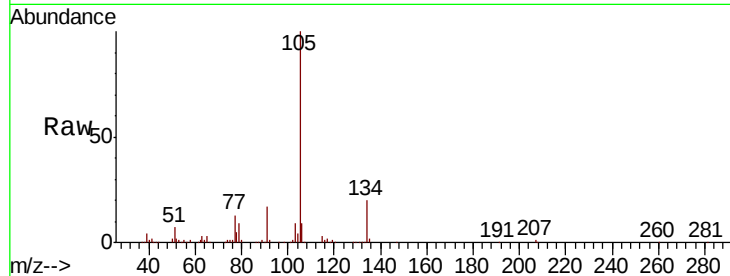
134 19.6 9.8 29.5

Manual Integrations

APPROVED

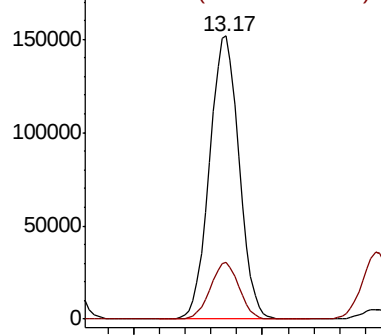
apatel

12/17/2019 12:51:19 PM

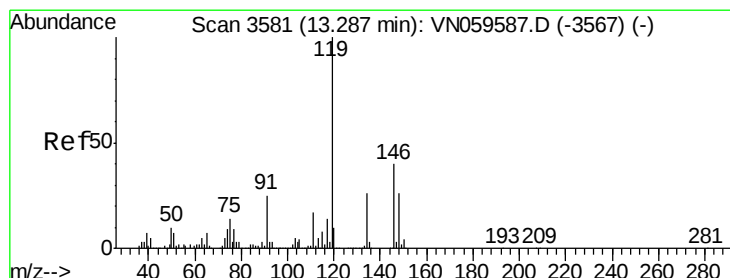
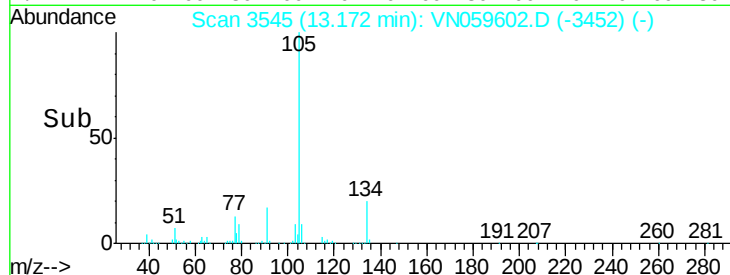


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.137 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

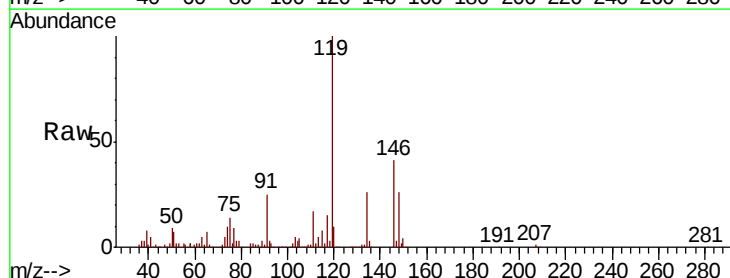
Tgt Ion:119 Resp: 216239

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

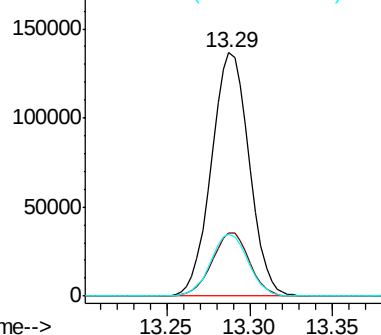
91 25.1 12.4 37.4



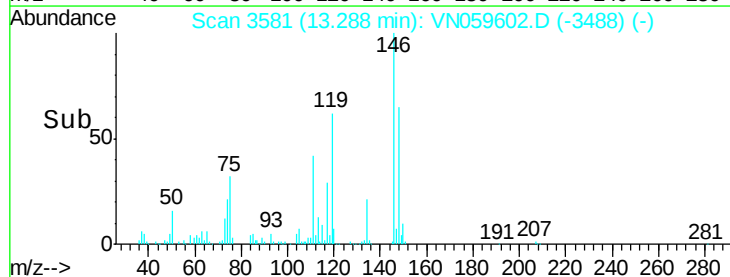
Abundance Ion 119.00 (118.70 to 119.70): V

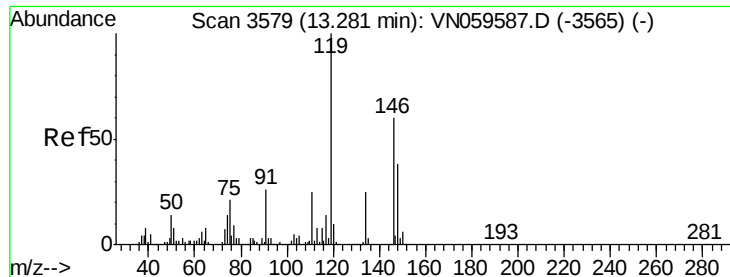
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





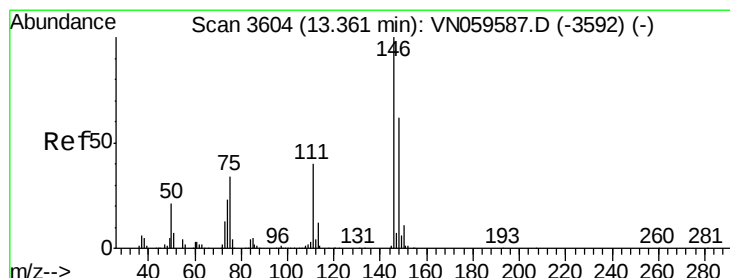
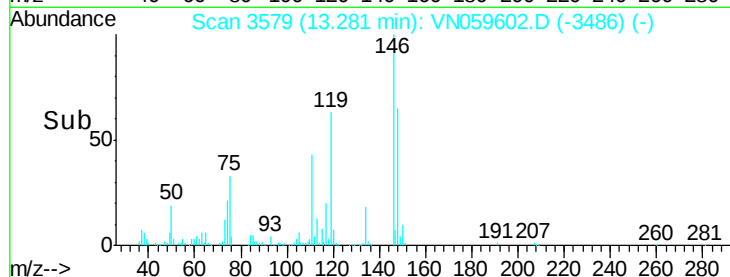
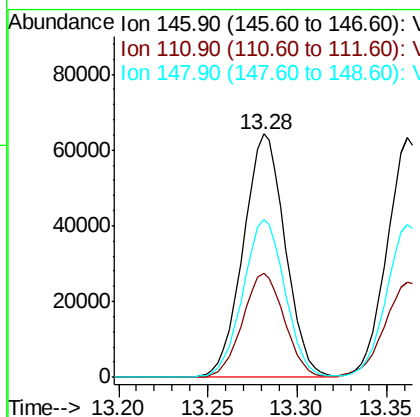
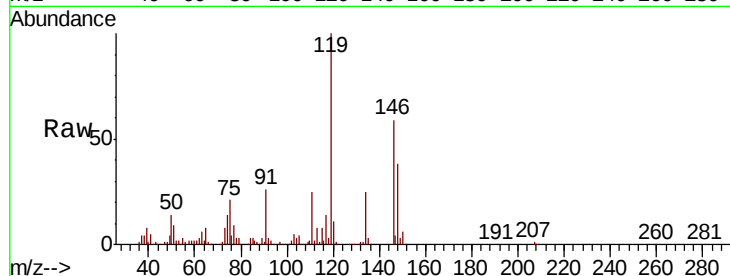
#87
 1,3-Dichlorobenzene
 Concen: 17.895 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.2
148	64.8	32.0	96.0

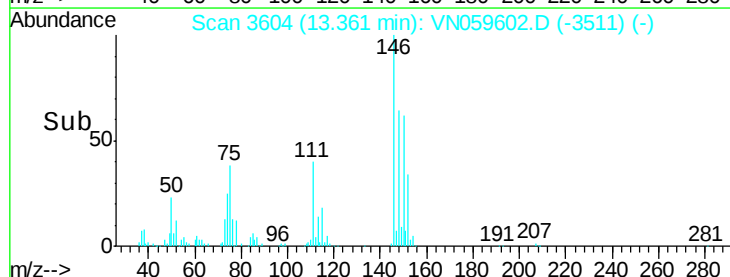
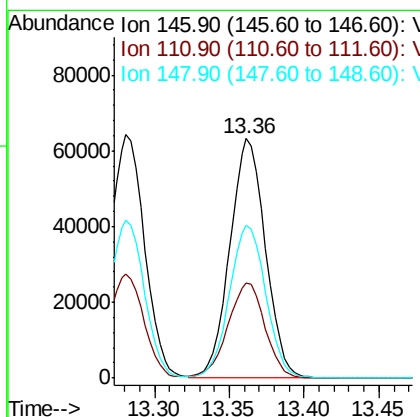
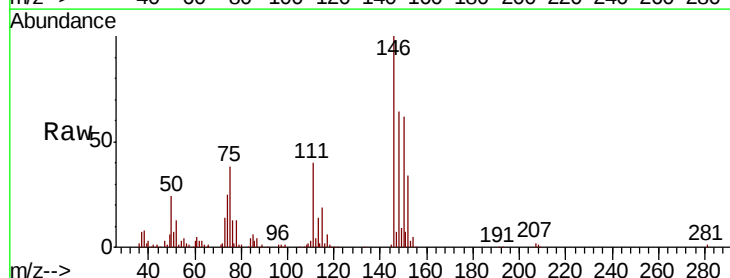
Manual Integrations
 APPROVED

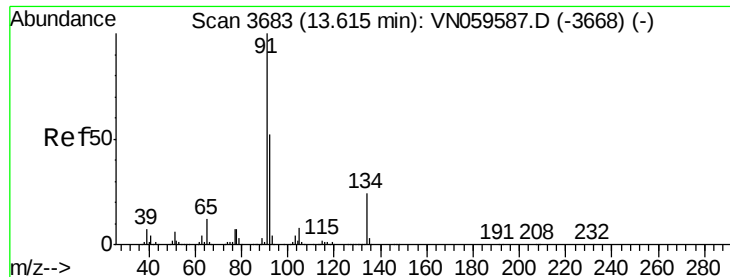
apatel
 12/17/2019 12:51:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.545 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	65.5	31.8	95.4





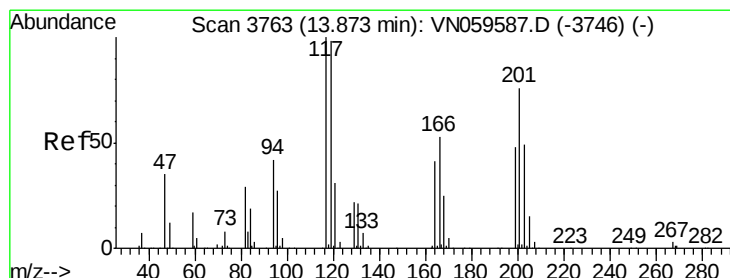
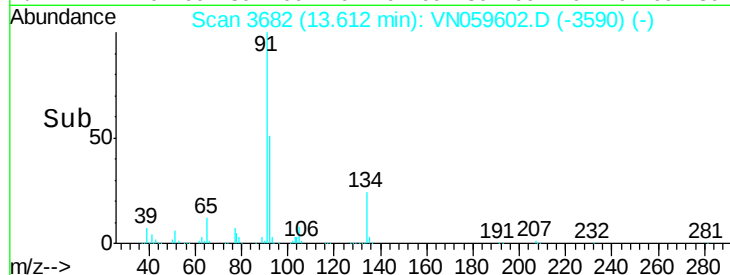
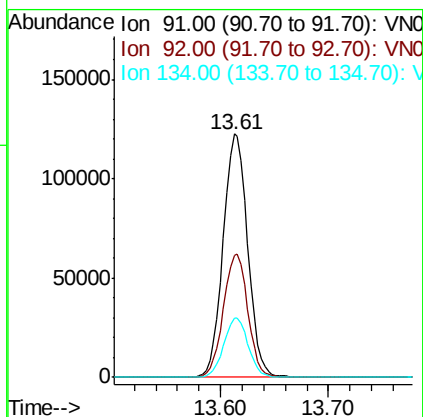
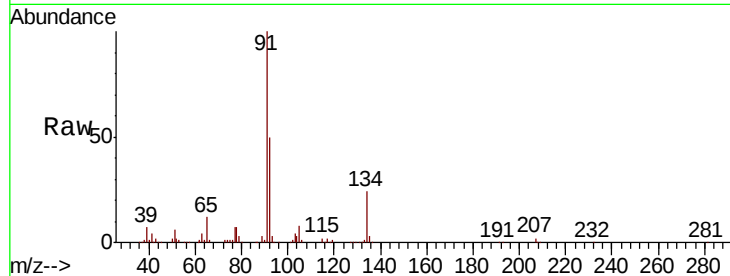
#89
n-Butylbenzene
Concen: 18.368 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.9	77.7
134	24.2	12.3	36.8

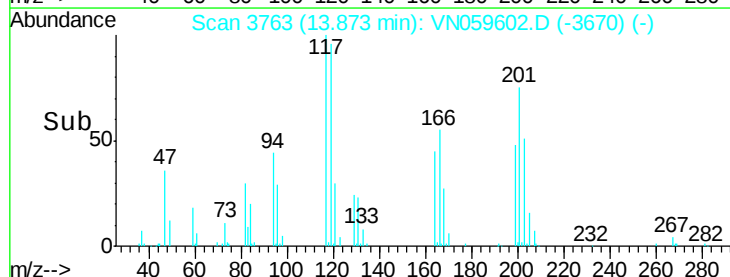
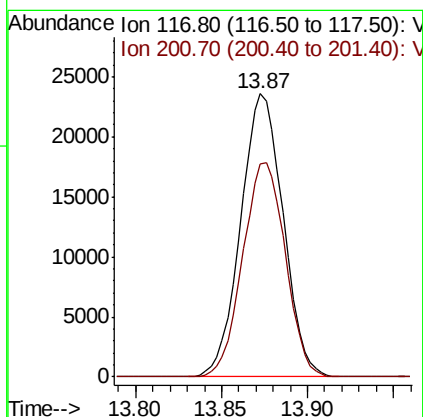
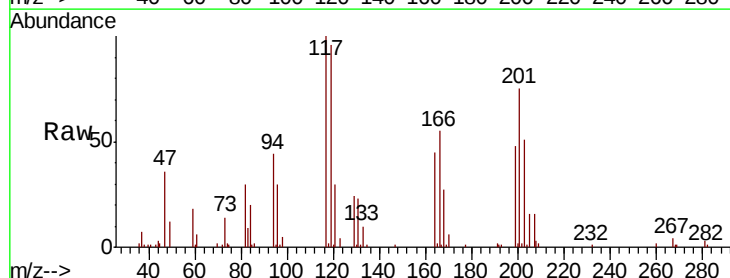
Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#90
Hexachloroethane
Concen: 18.932 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.8	113.4





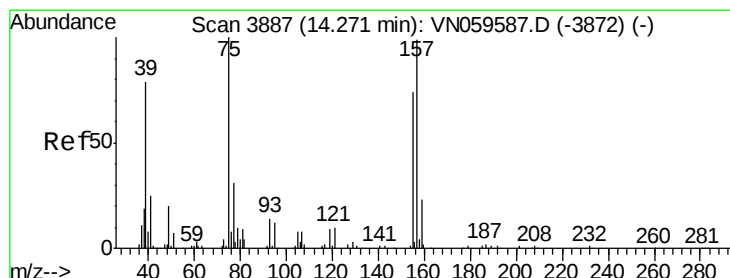
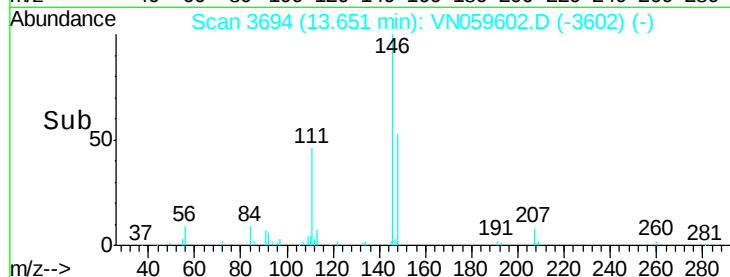
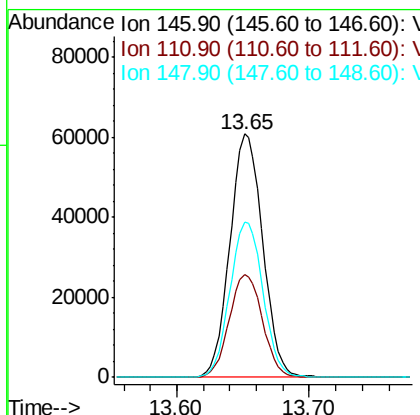
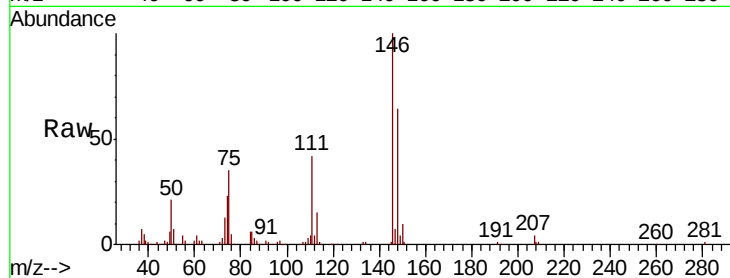
#91
 1,2-Dichlorobenzene
 Concen: 17.893 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	64.6	31.6	95.0

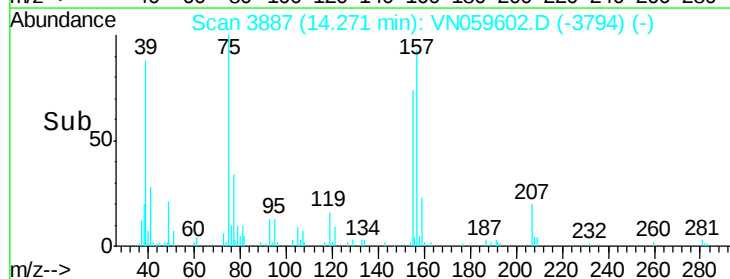
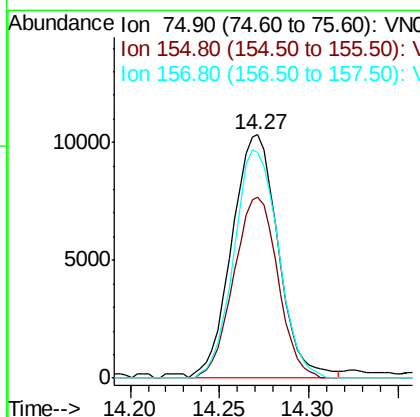
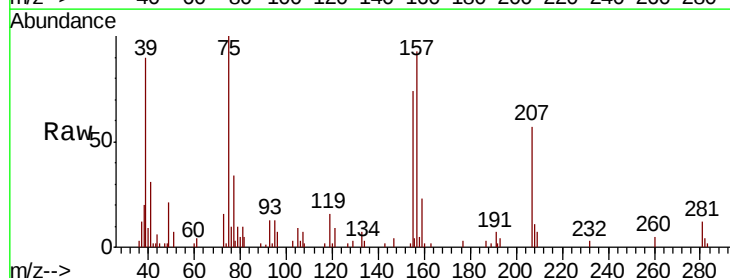
Manual Integrations
 APPROVED

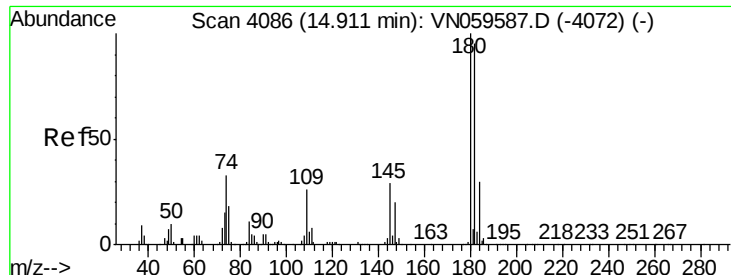
apatel
 12/17/2019 12:51:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.204 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	37.0	110.9
157	90.2	48.4	145.2





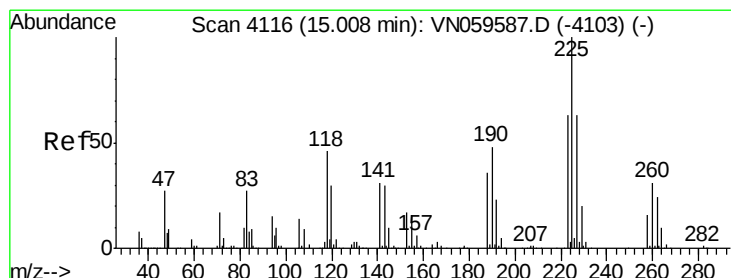
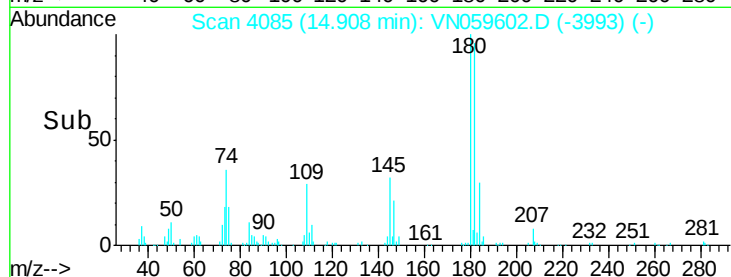
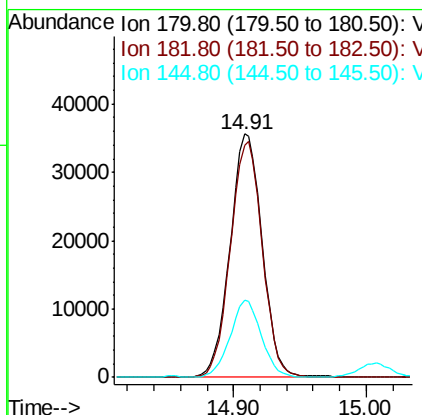
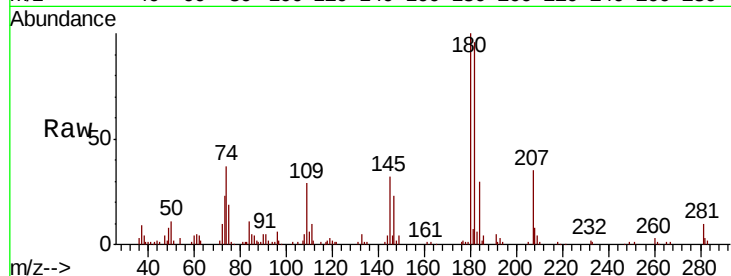
#93
 1,2,4-Trichlorobenzene
 Concen: 15.873 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59821		
182	96.0	46.9	140.7	
145	30.9	15.0	45.1	

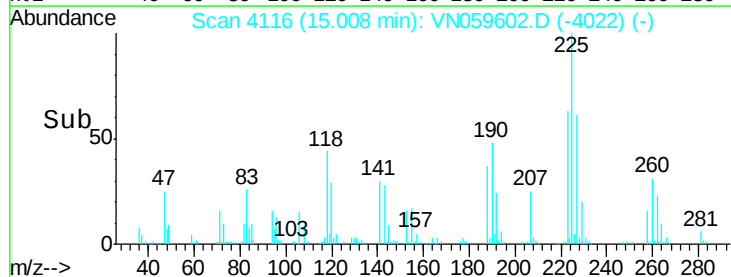
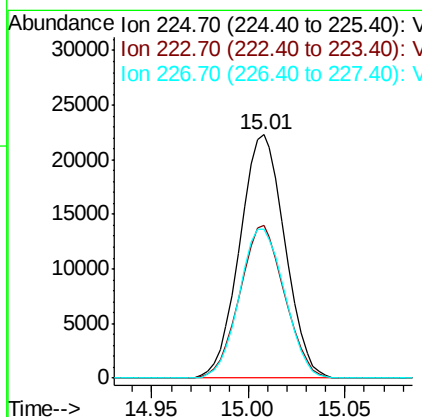
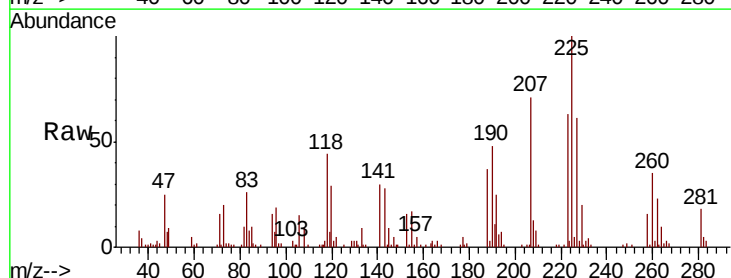
Manual Integrations
 APPROVED

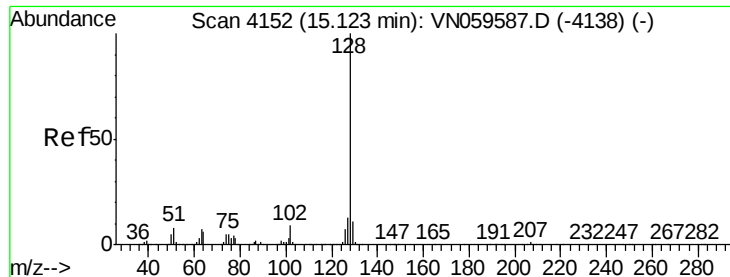
apatel
 12/17/2019 12:51:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.735 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36173		
223	62.0	31.8	95.3	
227	61.5	32.1	96.5	





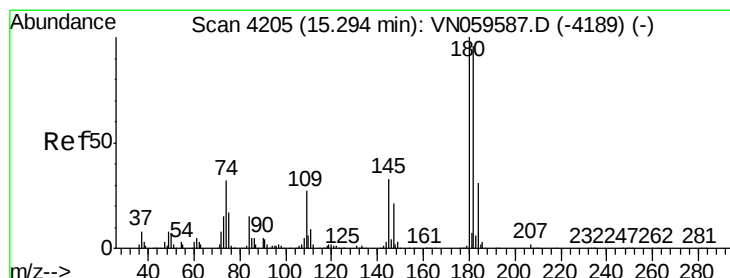
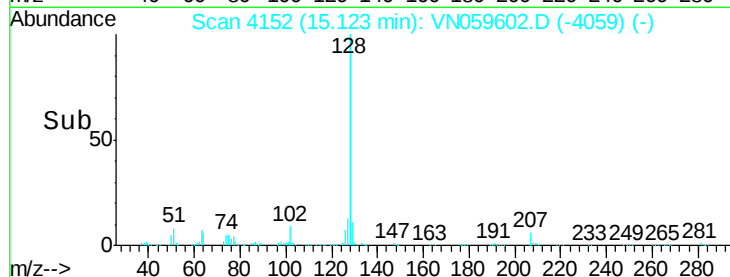
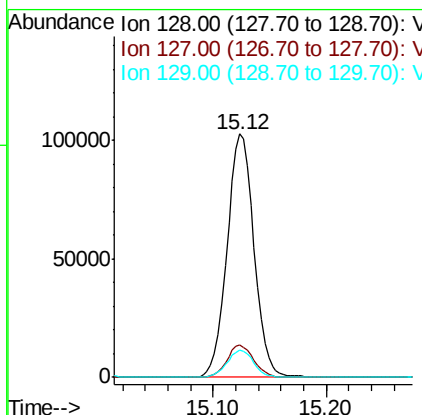
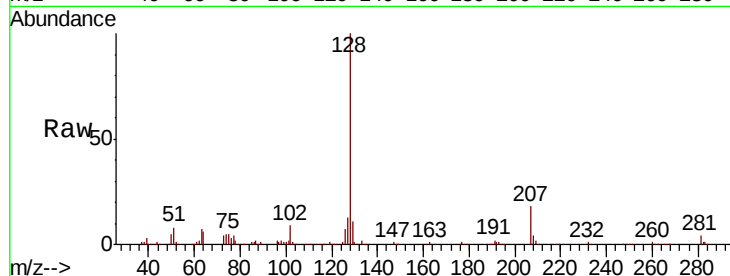
#95
Naphthalene
Concen: 15.101 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

apatel
12/17/2019 12:51:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.031 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.4	142.3
145	32.8	16.3	48.9

