

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057799.D
 Acq On : 9 Sep 2019 14:42
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:29:50 PM

Quant Time: Sep 10 02:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4925	0.943	ug/l	92
3) Chloromethane	2.03	50	6362	0.705	ug/l #	79
4) Vinyl Chloride	2.16	62	6219	1.336	ug/l	90
6) Chloroethane	2.68	64	4362	1.569	ug/l	97
7) Trichlorofluoromethane	2.99	101	8616	1.197	ug/l	90
8) Diethyl Ether	3.39	74	3328	1.160	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4630	1.026	ug/l #	46
12) 1,1-Dichloroethene	3.71	96	4575	1.133	ug/l	97
14) Allyl chloride	4.30	41	9121	1.011	ug/l #	92
15) Acrylonitrile	4.98	53	12671m	5.375	ug/l	
16) Acetone	3.80	43	13211	5.316	ug/l	97
17) Carbon Disulfide	4.02	76	9747	1.114	ug/l #	93
18) Methyl Acetate	4.31	43	6954	1.034	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	16765	0.982	ug/l	100
20) Methylene Chloride	4.53	84	6683m	1.260	ug/l	
21) trans-1,2-Dichloroethene	5.01	96	4860	1.144	ug/l	88
22) Diisopropyl ether	5.93	45	17771	0.907	ug/l	95
23) Vinyl Acetate	5.88	43	63760	4.114	ug/l	99
24) 1,1-Dichloroethane	5.82	63	10825	1.073	ug/l #	95
25) 2-Butanone	6.82	43	18007	5.075	ug/l	97
26) 2,2-Dichloropropane	6.81	77	7861	0.944	ug/l	94
27) cis-1,2-Dichloroethene	6.81	96	6204	1.142	ug/l	92
28) Bromochloromethane	7.17	49	4968	0.931	ug/l #	95
29) Tetrahydrofuran	7.20	42	11753	5.176	ug/l	96
30) Chloroform	7.36	83	11384	1.082	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	8631	0.994	ug/l #	39
36) 1,1-Dichloropropene	7.78	75	8069	1.150	ug/l #	92
37) Ethyl Acetate	6.92	43	8089m	1.162	ug/l	
38) Carbon Tetrachloride	7.75	117	6134	0.921	ug/l	85
39) Methylcyclohexane	9.07	83	7863	1.067	ug/l	93
40) Benzene	8.03	78	22329	1.113	ug/l	96
41) Methacrylonitrile	7.16	41	3073	0.902	ug/l #	54
42) 1,2-Dichloroethane	8.11	62	8914	0.970	ug/l	85
43) Isopropyl Acetate	8.16	43	11922	0.897	ug/l #	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057799.D
 Acq On : 9 Sep 2019 14:42
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:29:50 PM

Quant Time: Sep 10 02:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	5532	1.220	ug/l	94
45) 1,2-Dichloropropane	9.11	63	6348	1.127	ug/l	98
46) Dibromomethane	9.21	93	3745	1.046	ug/l	98
47) Bromodichloromethane	9.40	83	6699	0.882	ug/l #	97
48) Methyl methacrylate	9.19	41	6735	0.986	ug/l	92
49) 1,4-Dioxane	9.19	88	2109	25.353	ug/l	88
51) 4-Methyl-2-Pentanone	9.98	43	37752	5.050	ug/l	96
52) Toluene	10.15	92	13561	1.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	6436	0.839	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	7421	0.893	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	5485	1.098	ug/l	96
56) Ethyl methacrylate	10.43	69	7624	0.964	ug/l #	88
57) 1,3-Dichloropropane	10.70	76	9539	1.068	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	18134	4.515	ug/l	97
59) 2-Hexanone	10.75	43	27518	5.176	ug/l	97
60) Dibromochloromethane	10.90	129	4250	0.883	ug/l	100
61) 1,2-Dibromoethane	11.00	107	5001	1.051	ug/l	97
64) Tetrachloroethene	10.63	164	4633	1.231	ug/l	94
65) Chlorobenzene	11.43	112	15667	1.224	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4682	1.051	ug/l #	62
67) Ethyl Benzene	11.51	91	27673	1.140	ug/l	93
68) m/p-Xylenes	11.62	106	18019	2.133	ug/l	97
69) o-Xylene	11.95	106	8769	1.044	ug/l	91
70) Styrene	11.96	104	14346	0.984	ug/l	95
71) Bromoform	12.13	173	2253	0.785	ug/l #	65
73) Isopropylbenzene	12.25	105	22793	1.047	ug/l	97
74) N-amyl acetate	12.07	43	8972m	0.840	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	7921	1.193	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	6699m	1.170	ug/l	
77) Bromobenzene	12.53	156	6025	1.260	ug/l	90
78) n-propylbenzene	12.60	91	26970	1.048	ug/l	97
79) 2-Chlorotoluene	12.68	91	17473	1.113	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	18340	0.990	ug/l	100
82) 4-Chlorotoluene	12.78	91	17040	1.051	ug/l	100
83) tert-Butylbenzene	13.00	119	16553	1.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	20107	1.094	ug/l	96
85) sec-Butylbenzene	13.18	105	22673	1.049	ug/l	99
86) p-Isopropyltoluene	13.29	119	18517	1.004	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	10092	1.118	ug/l	92
88) 1,4-Dichlorobenzene	13.37	146	11257m	1.247	ug/l	
89) n-Butylbenzene	13.62	91	17601	0.974	ug/l	95
90) Hexachloroethane	13.88	117	2299	0.807	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	10680	1.203	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1050	0.825	ug/l	92
93) 1,2,4-Trichlorobenzene	14.92	180	7825	1.476	ug/l	100
94) Hexachlorobutadiene	15.02	225	2926	1.152	ug/l	95
95) Naphthalene	15.13	128	24356	1.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	8401	1.658	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057799.D
Acq On : 9 Sep 2019 14:42
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

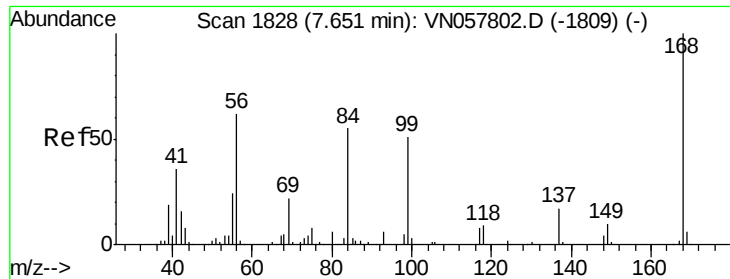
Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

Quant Time: Sep 10 02:43:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 335950

Ion Ratio Lower Upper

168 100

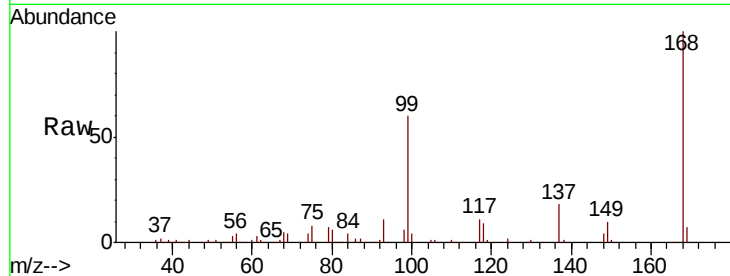
99 59.6 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

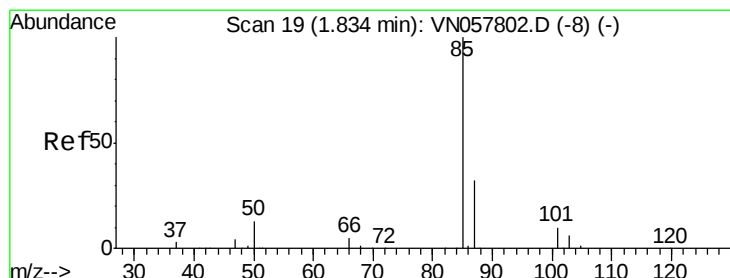
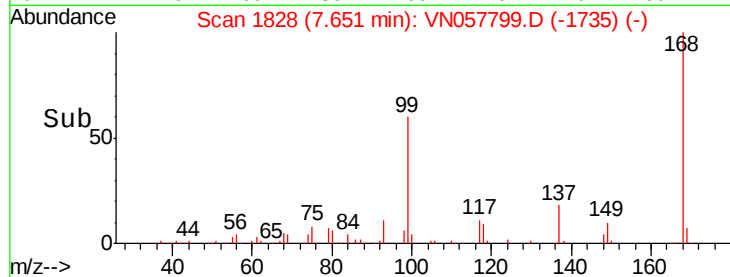
100000

50000

0

7.60 7.65 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.943 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057799.D

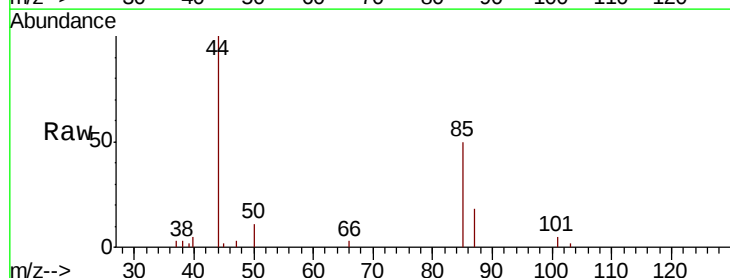
Acq: 9 Sep 2019 14:42

Tgt Ion: 85 Resp: 4925

Ion Ratio Lower Upper

85 100

87 36.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

4000

3000

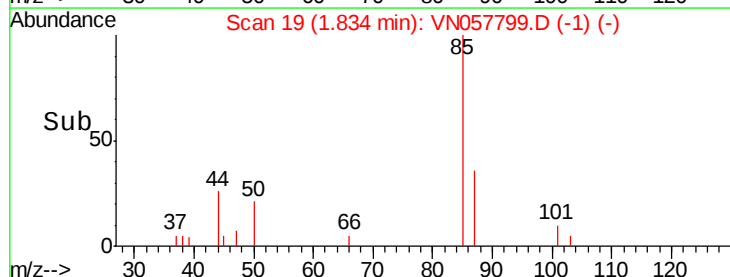
2000

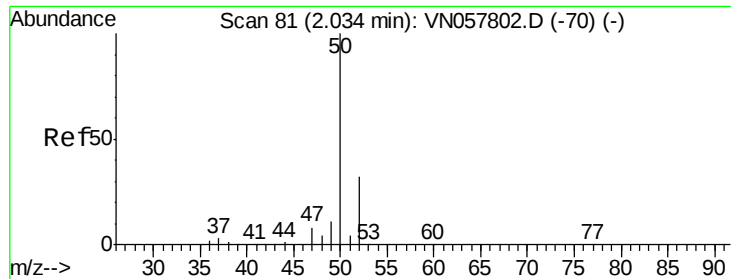
1000

0

1.80 1.83 1.85

Time-->





#3

Chloromethane

Concen: 0.705 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 6362

Ion Ratio Lower Upper

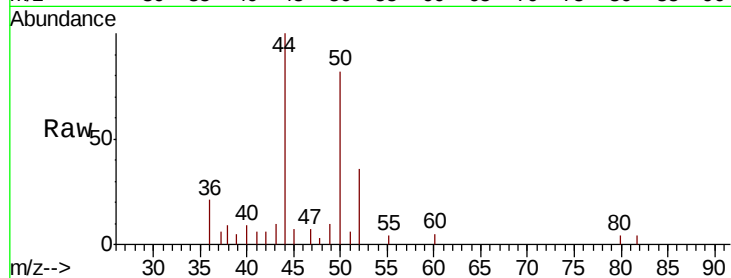
50 100

52 43.4 25.5 38.3#

Manual Integrations
APPROVED

MMDadoda

9/10/2019 4:29:50 PM



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.03

5000

4000

3000

2000

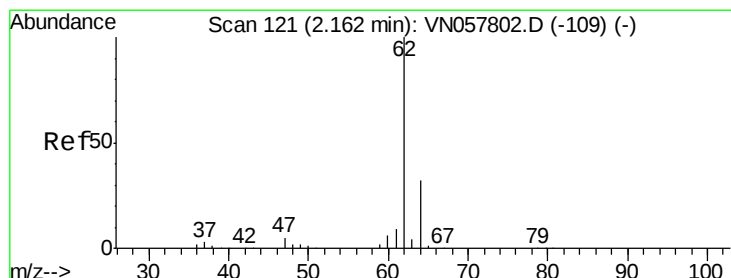
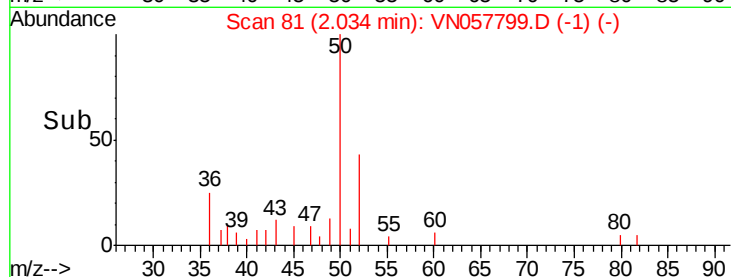
1000

0

Time-->

2.00

2.05



#4

Vinyl Chloride

Concen: 1.336 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057799.D

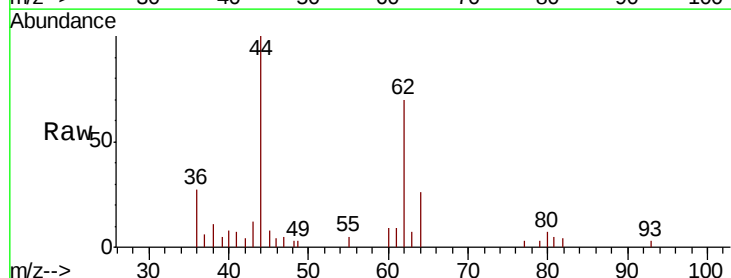
Acq: 9 Sep 2019 14:42

Tgt Ion: 62 Resp: 6219

Ion Ratio Lower Upper

62 100

64 37.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN057802.D (-109) (-)

2.16

5000

4000

3000

2000

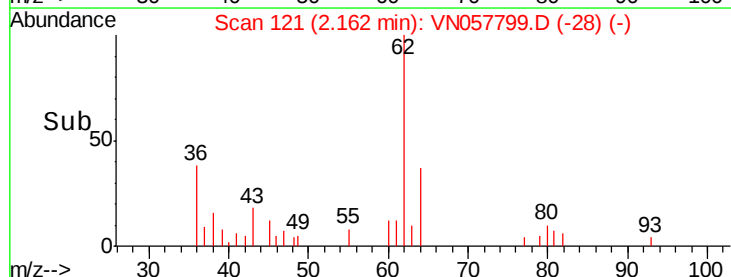
1000

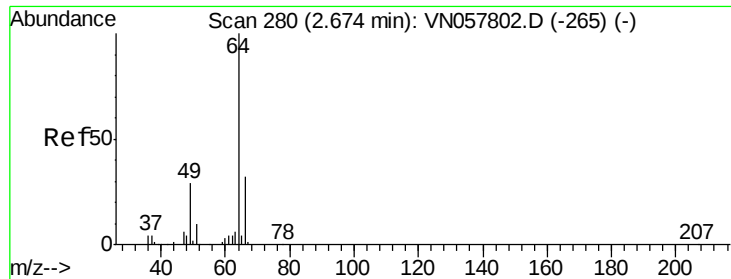
0

Time-->

2.15

2.20





#6

Chloroethane

Concen: 1.569 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 4362

Ion Ratio Lower Upper

64 100

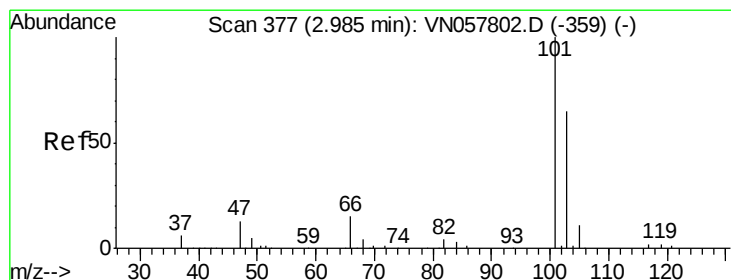
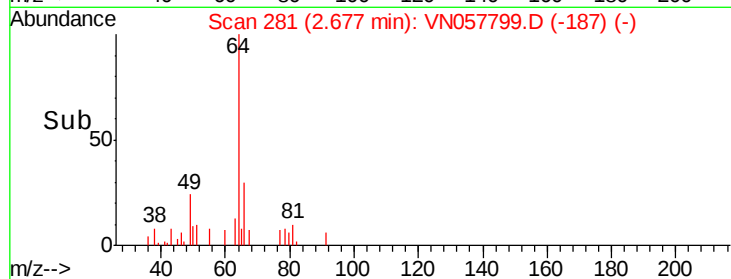
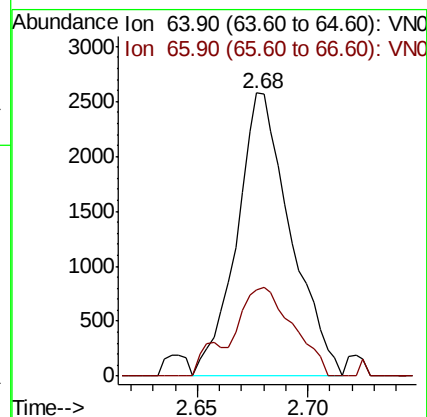
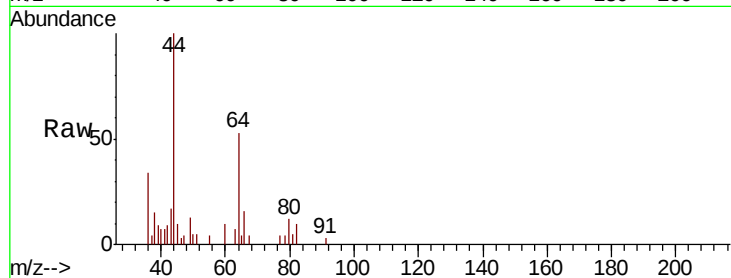
66 30.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



#7

Trichlorofluoromethane

Concen: 1.197 ug/l

RT: 2.99 min Scan# 378

Delta R.T. 0.00 min

Lab File: VN057799.D

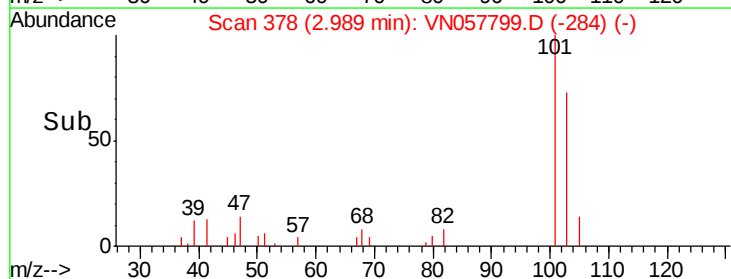
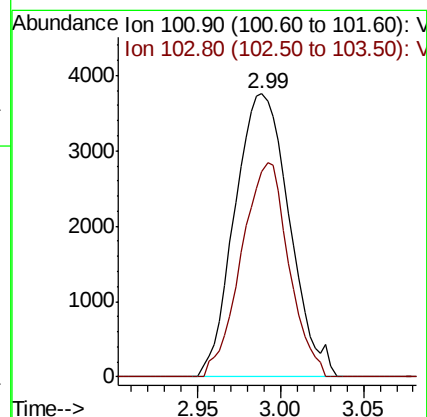
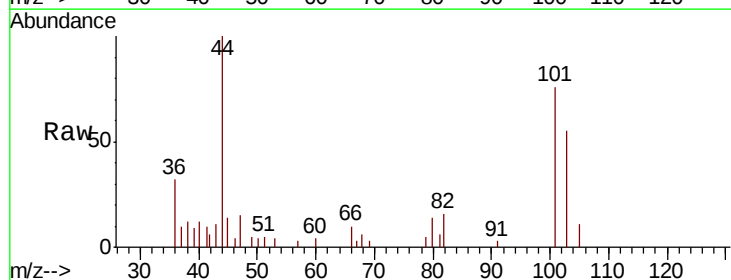
Acq: 9 Sep 2019 14:42

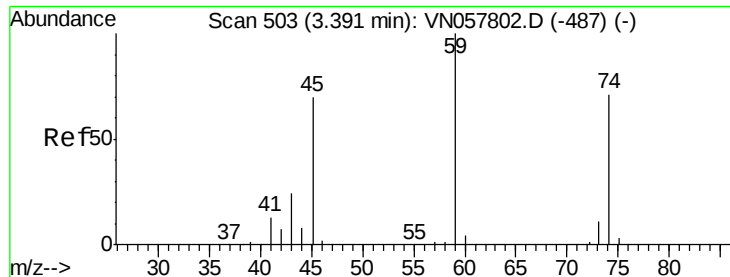
Tgt Ion: 101 Resp: 8616

Ion Ratio Lower Upper

101 100

103 72.5 51.9 77.9





#8

Diethyl Ether

Concen: 1.160 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 3328

Ion Ratio Lower Upper

74 100

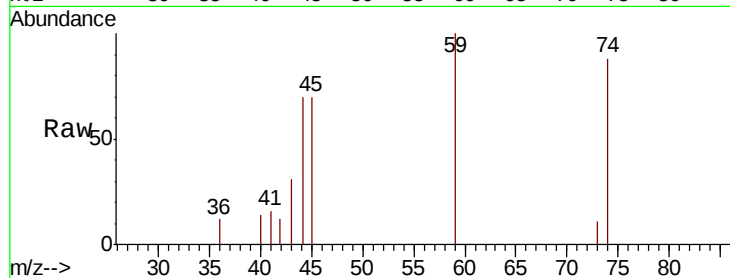
45 110.6 50.3 151.0

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



Abundance Ion 74.00 (73.70 to 74.70): VN057799.D (-410) (-)

Ion 45.00 (44.70 to 45.70): VN057799.D (-410) (-)

3.39

1500

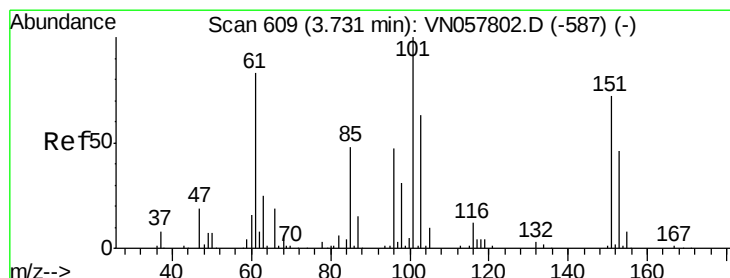
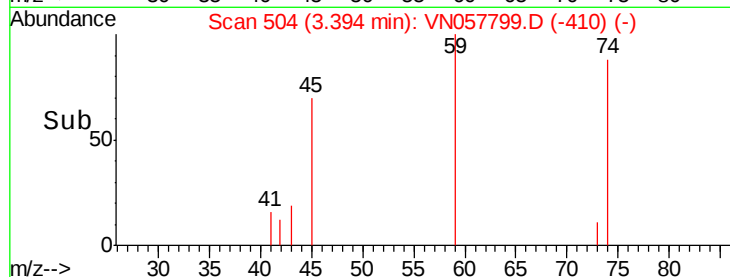
1000

500

0

3.35 3.40 3.45

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.026 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

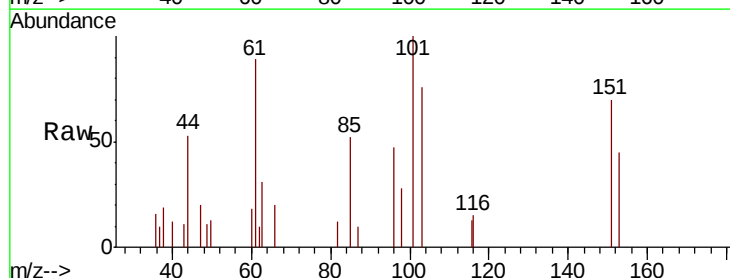
Tgt Ion: 101 Resp: 4630

Ion Ratio Lower Upper

101 100

85 44.9 38.1 57.1

151 0.0 58.4 87.6#



Abundance Ion 100.90 (100.60 to 101.60): VN057799.D (-516) (-)

Ion 84.90 (84.60 to 85.60): VN057799.D (-516) (-)

Ion 150.80 (150.50 to 151.50): VN057799.D (-516) (-)

3.73

2000

1500

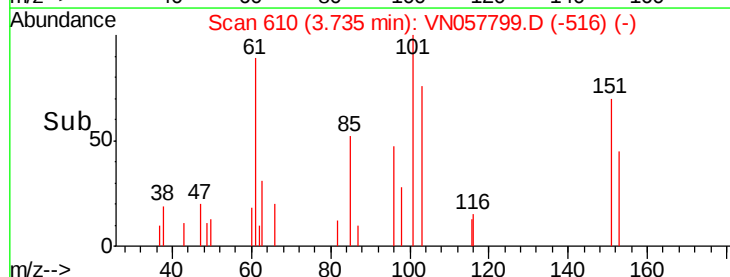
1000

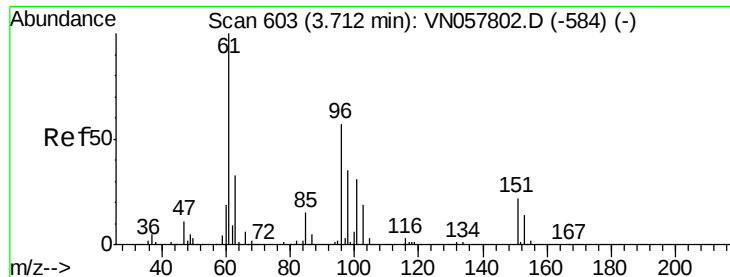
500

0

3.65 3.70 3.75 3.80

Time-->





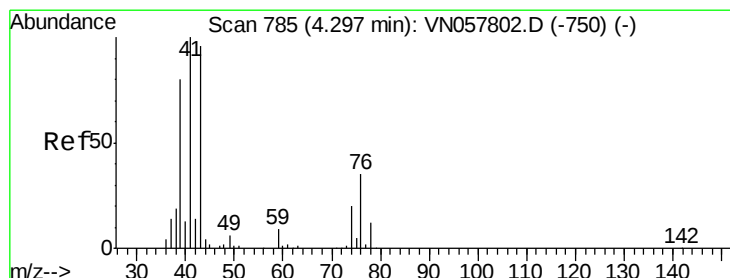
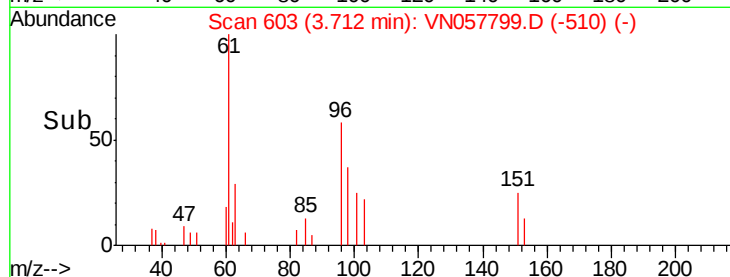
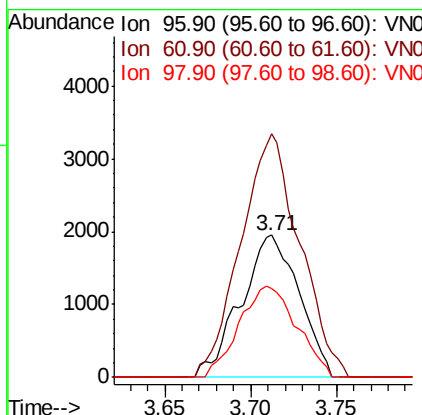
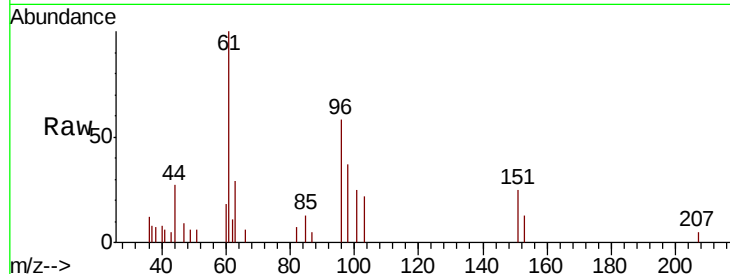
#12
 1,1-Dichloroethene
 Concen: 1.133 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.6	141.2	211.8
98	63.0	49.9	74.9

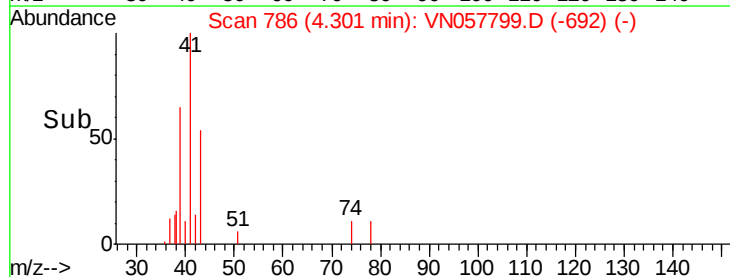
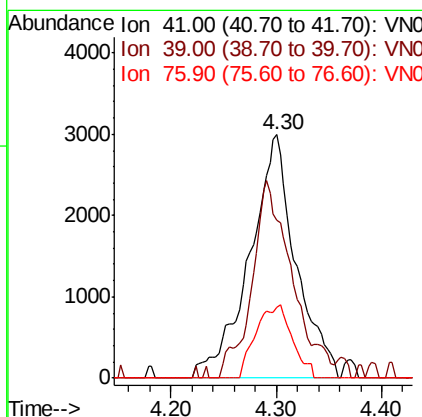
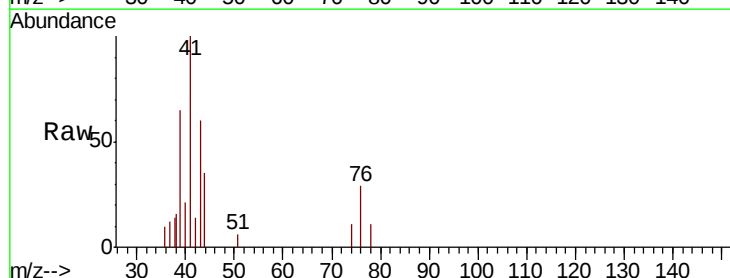
Manual Integrations
 APPROVED

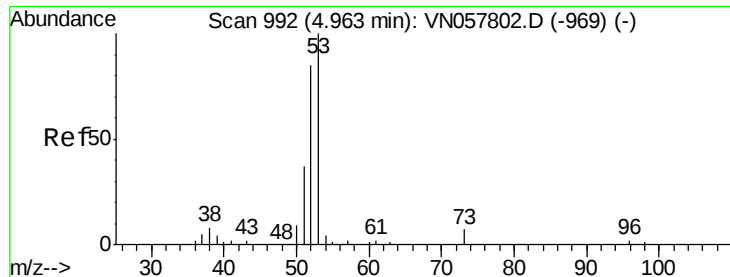
MMDadoda
 9/10/2019 4:29:50 PM



#14
 Allyl chloride
 Concen: 1.011 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.6	59.4	89.2
76	23.8	26.0	39.0





#15

Acrylonitrile

Concen: 5.375 ug/l m

RT: 4.98 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

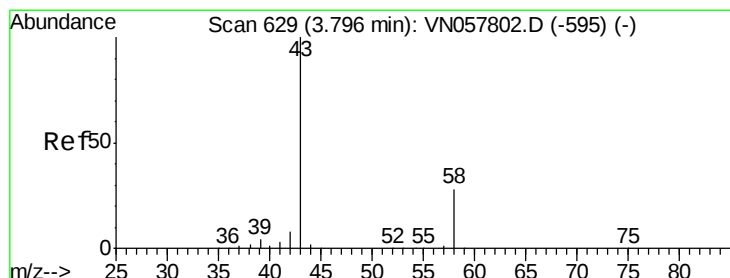
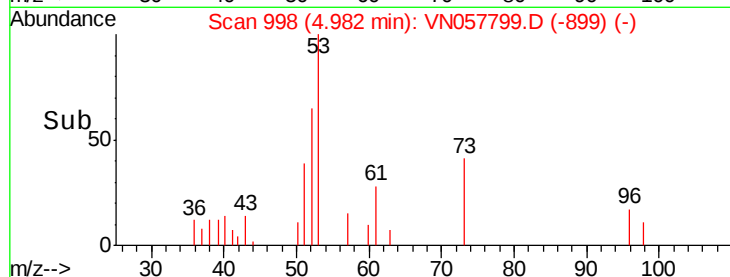
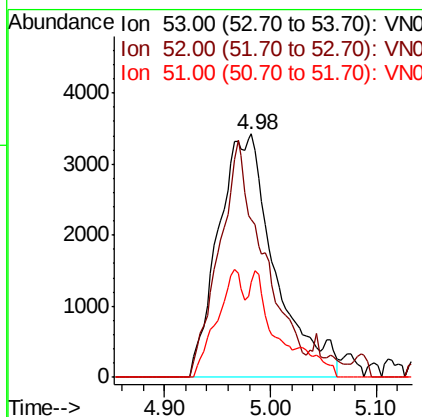
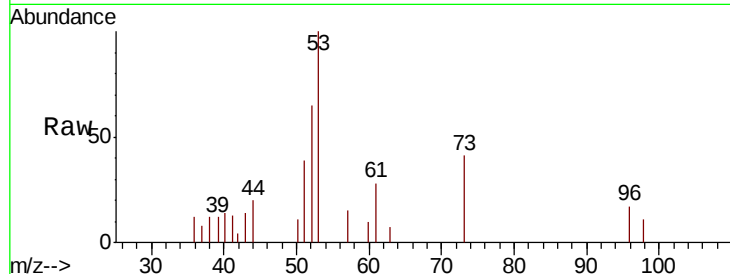
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	12671
Ion	Ratio	Lower	Upper
53	100		
52	76.8	66.6	100.0
51	20.6	29.8	44.8#

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#16

Acetone

Concen: 5.316 ug/l

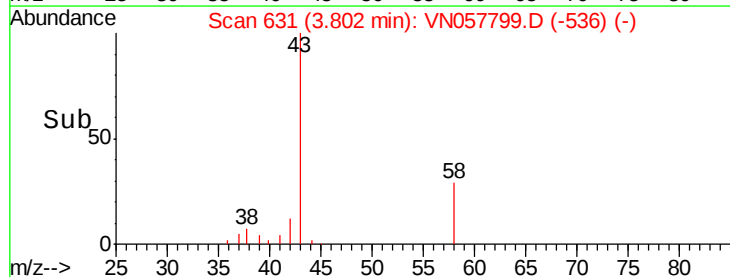
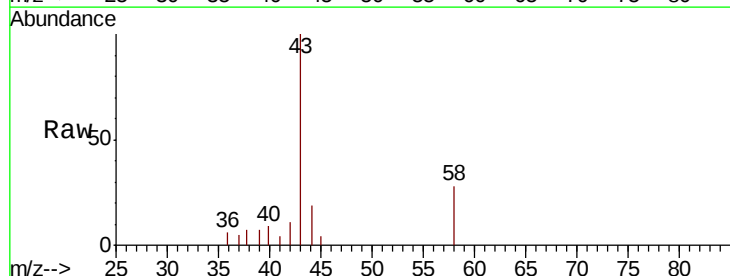
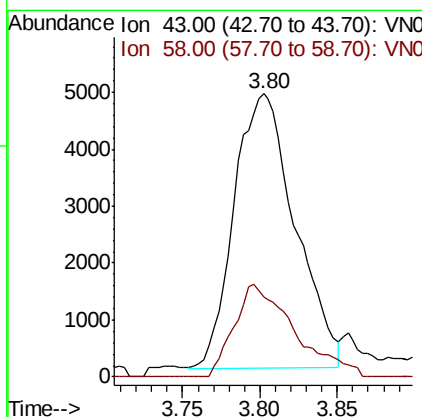
RT: 3.80 min Scan# 631

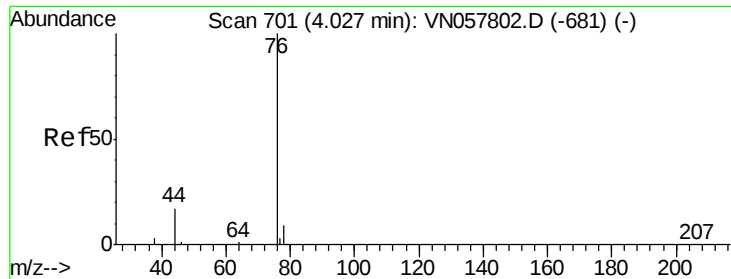
Delta R.T. 0.01 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion:	43	Resp:	13211
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.2	33.2





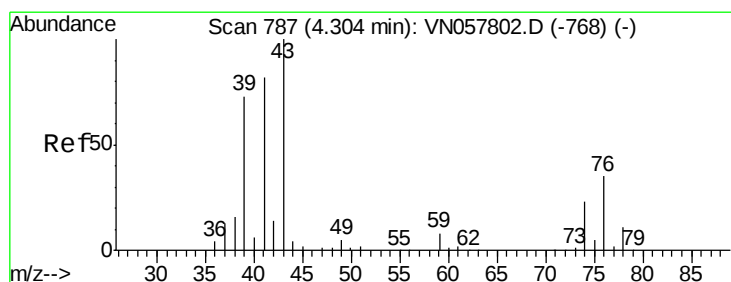
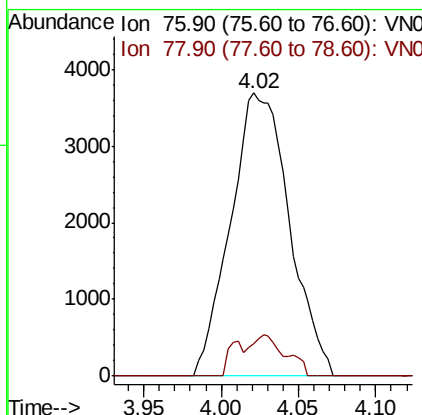
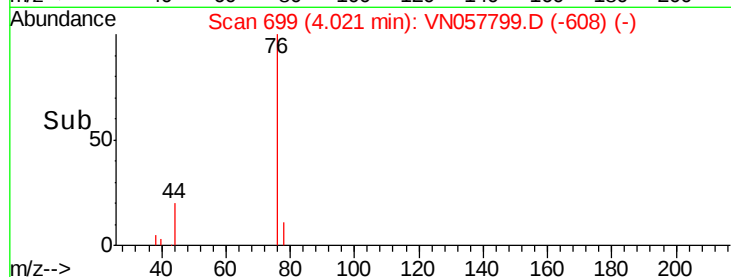
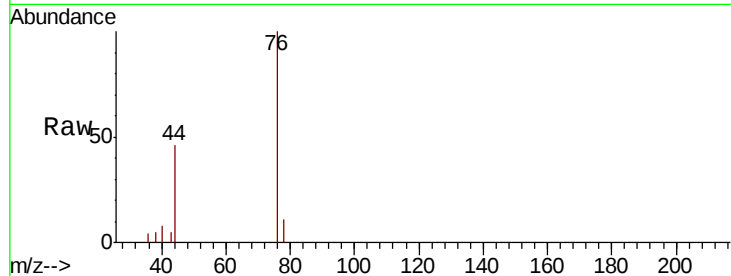
#17
Carbon Disulfide
Concen: 1.114 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 9747
Ion Ratio Lower Upper
76 100
78 11.4 7.1 10.7#

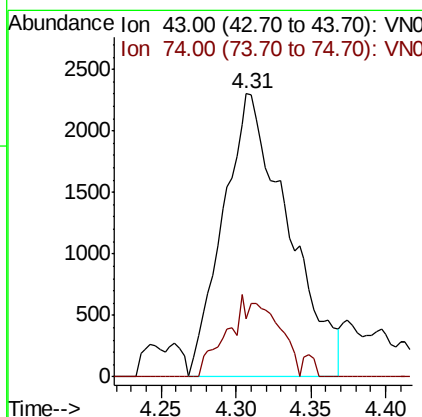
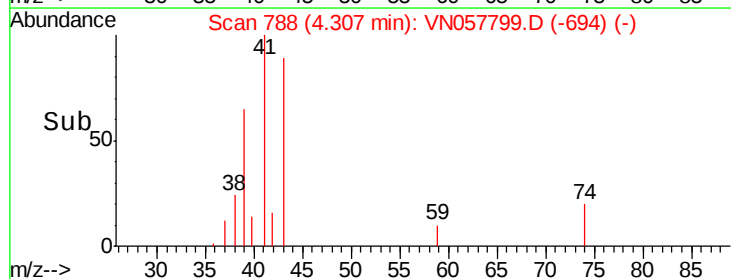
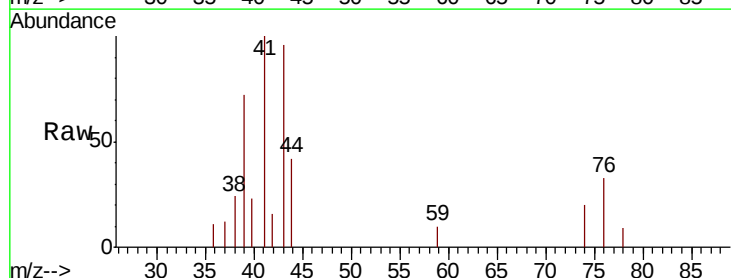
Manual Integrations
APPROVED

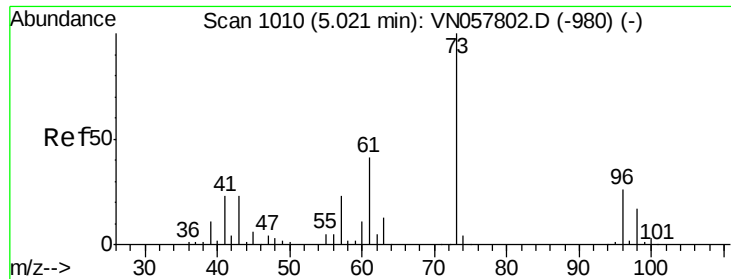
MMDadoda
9/10/2019 4:29:50 PM



#18
Methyl Acetate
Concen: 1.034 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 43 Resp: 6954
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9





#19

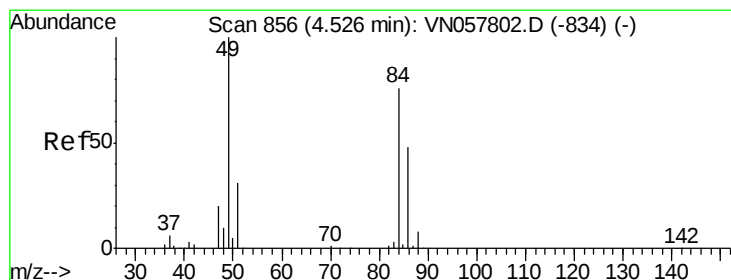
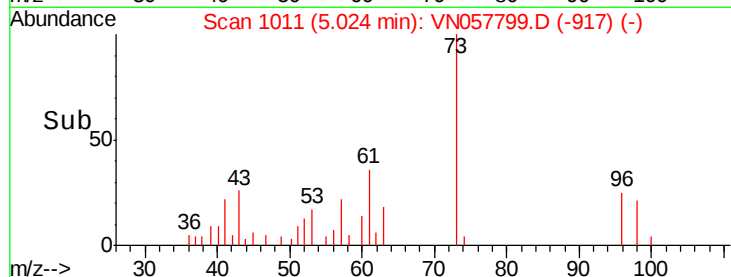
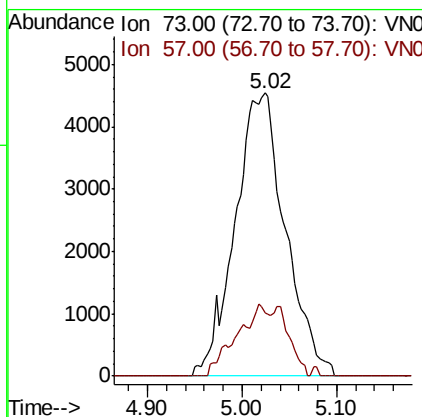
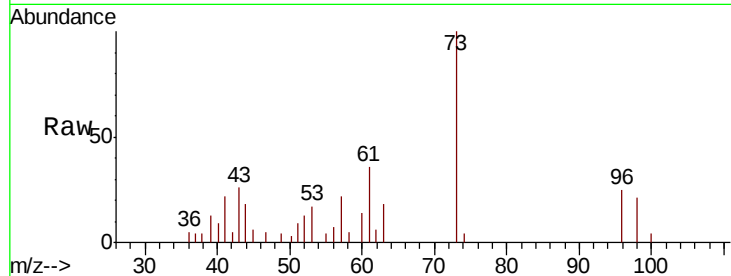
Methyl tert-butyl Ether
 Concen: 0.982 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 73 Resp: 16765
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.2 27.2

Manual Integrations
 APPROVED

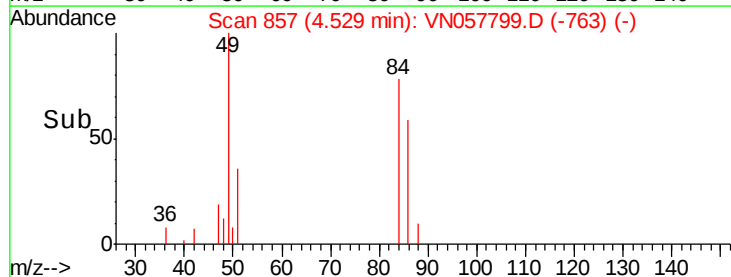
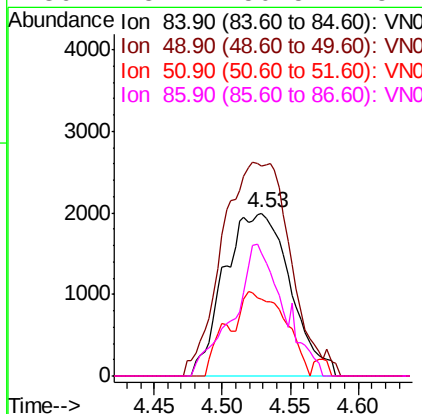
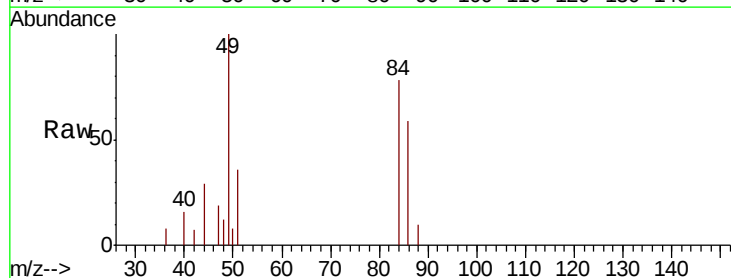
MMDadoda
 9/10/2019 4:29:50 PM

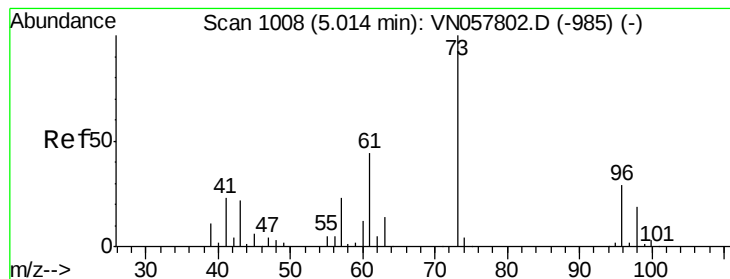


#20

Methylene Chloride
 Concen: 1.260 ug/l m
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion: 84 Resp: 6683
 Ion Ratio Lower Upper
 84 100
 49 128.7 104.8 157.2
 51 46.8 33.0 49.4
 86 75.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 1.144 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 4860

Ion Ratio Lower Upper

96 100

61 170.6 121.9 182.9

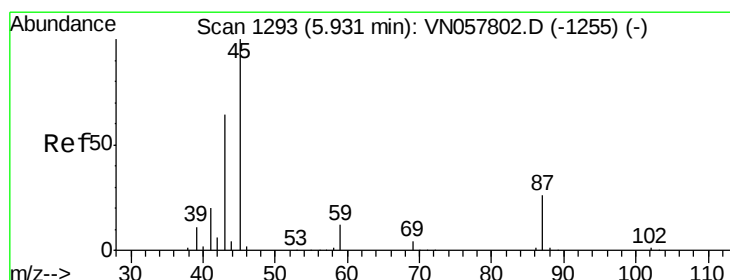
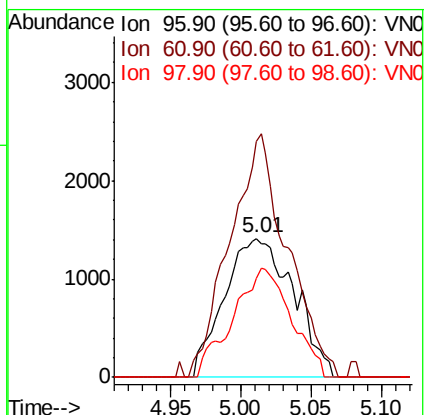
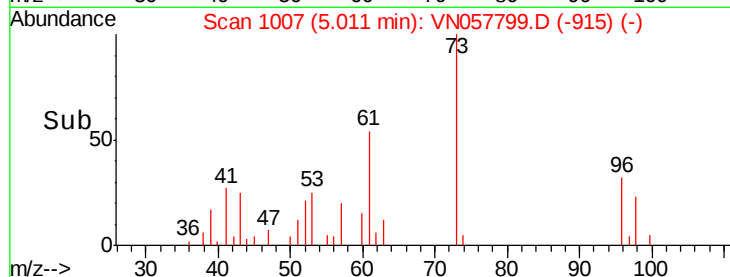
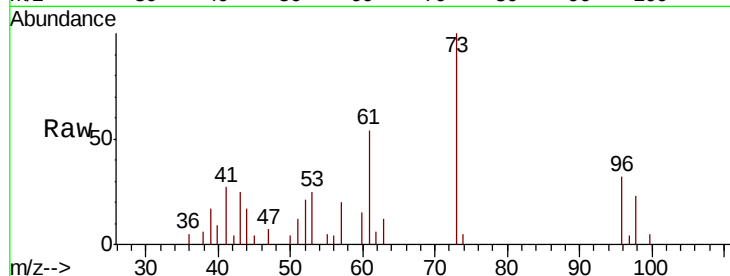
98 71.4 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



#22

Diisopropyl ether

Concen: 0.907 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion: 45 Resp: 17771

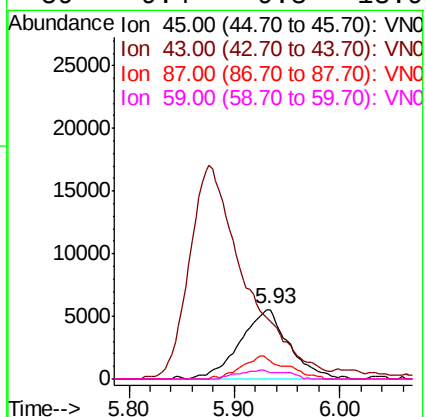
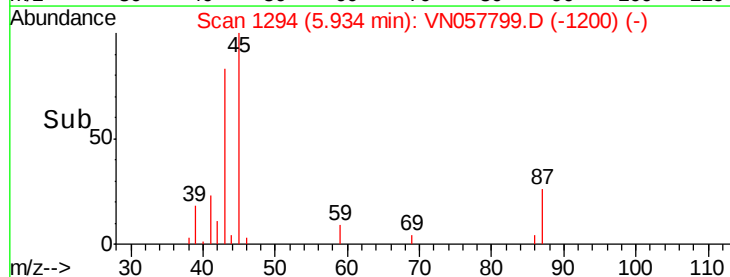
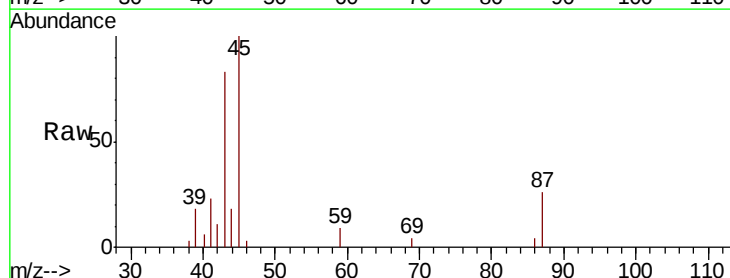
Ion Ratio Lower Upper

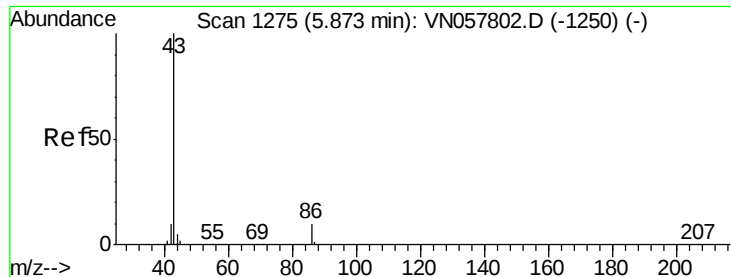
45 100

43 69.0 51.4 77.2

87 26.0 21.3 31.9

59 9.4 9.3 13.9





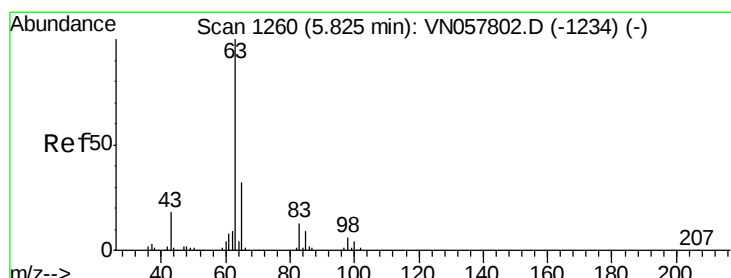
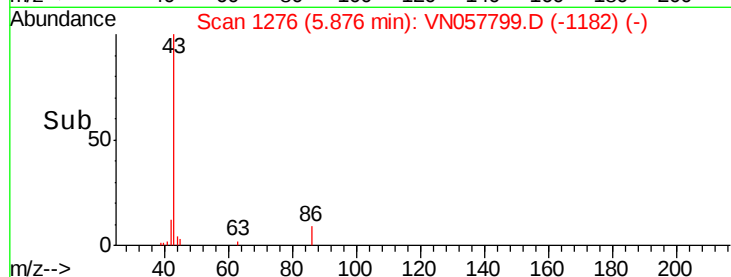
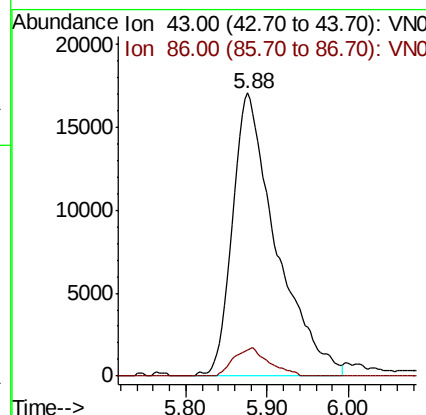
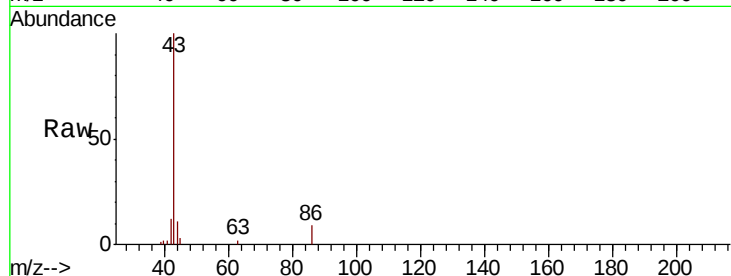
#23
 Vinyl Acetate
 Concen: 4.114 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	63760
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.7	11.5

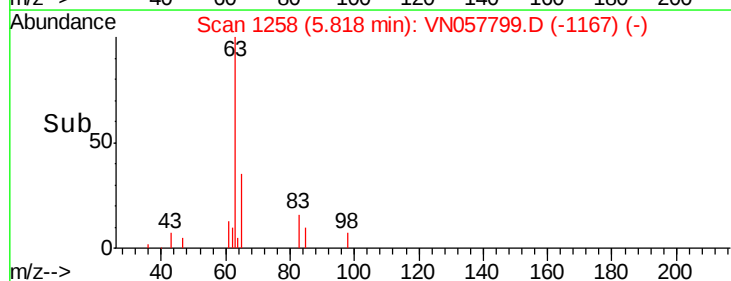
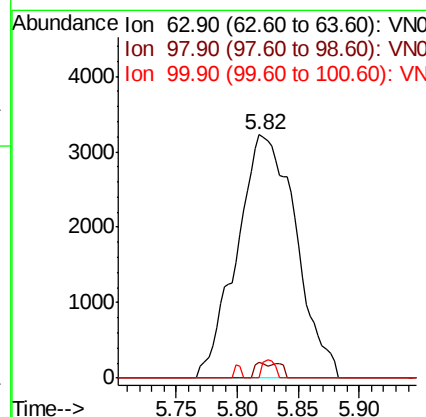
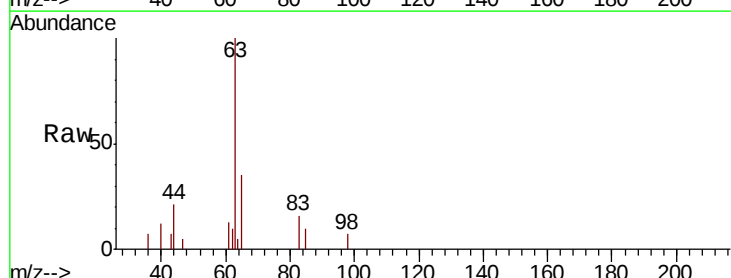
Manual Integrations
 APPROVED

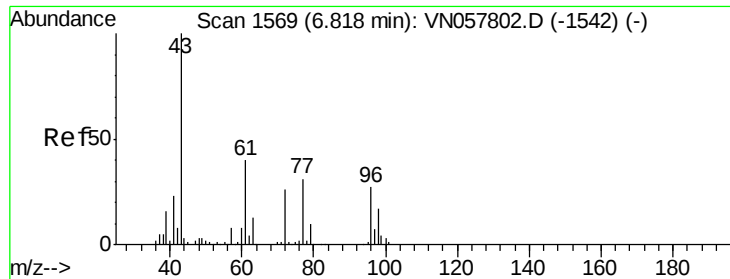
MMDadoda
 9/10/2019 4:29:50 PM



#24
 1,1-Dichloroethane
 Concen: 1.073 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	63	Resp	10825
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.0	9.2
100	0.0	2.0	5.8#





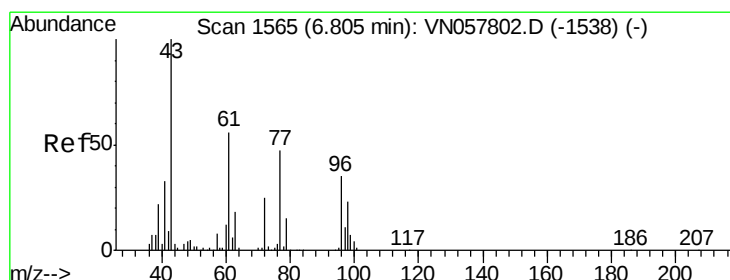
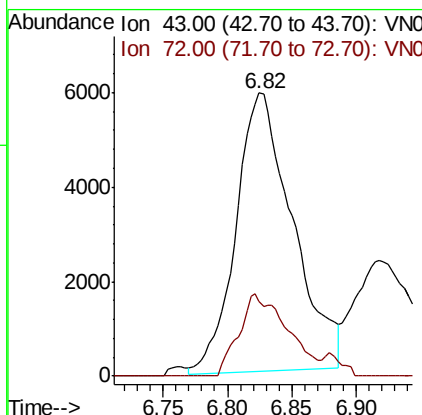
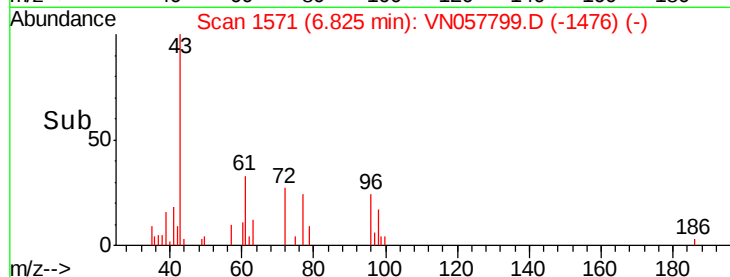
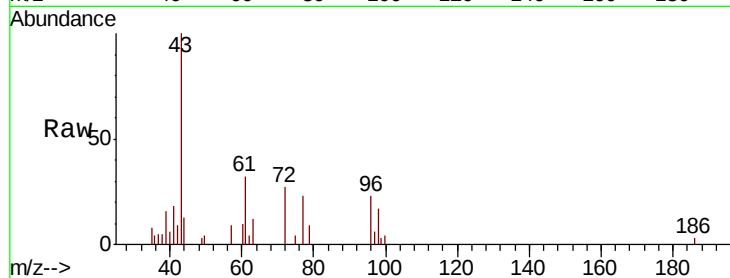
#25
2-Butanone
Concen: 5.075 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 18007
Ion Ratio Lower Upper
43 100
72 27.3 20.6 30.8

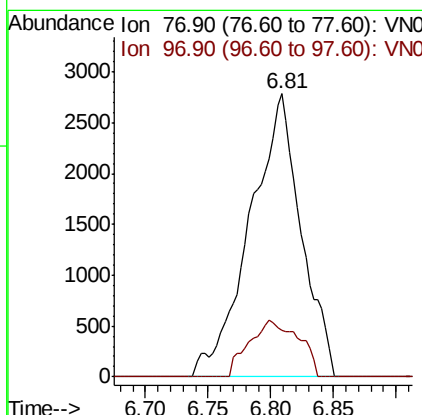
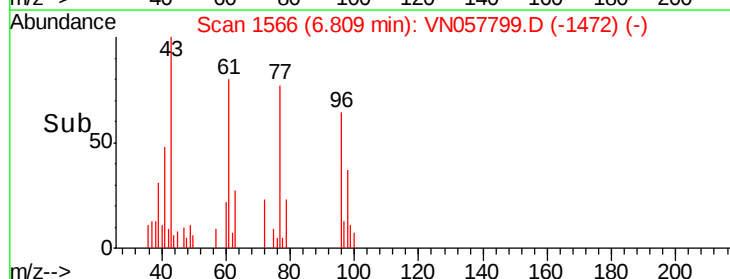
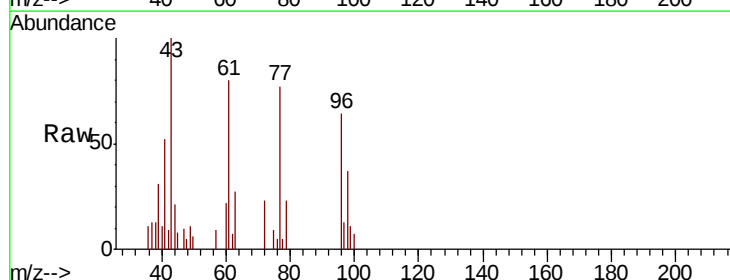
Manual Integrations
APPROVED

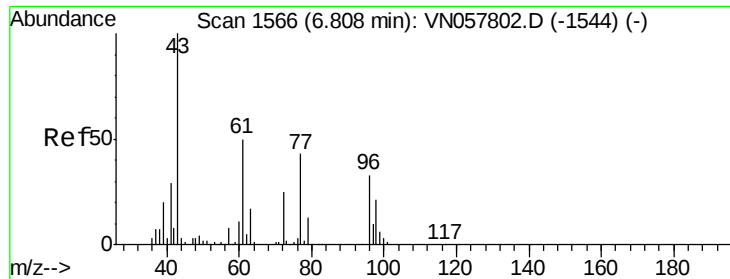
MMDadoda
9/10/2019 4:29:50 PM



#26
2,2-Dichloropropane
Concen: 0.944 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 77 Resp: 7861
Ion Ratio Lower Upper
77 100
97 19.5 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 1.142 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

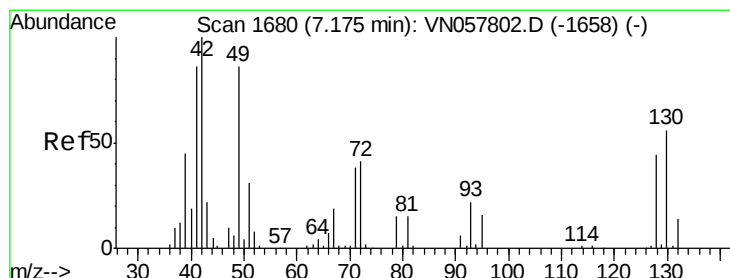
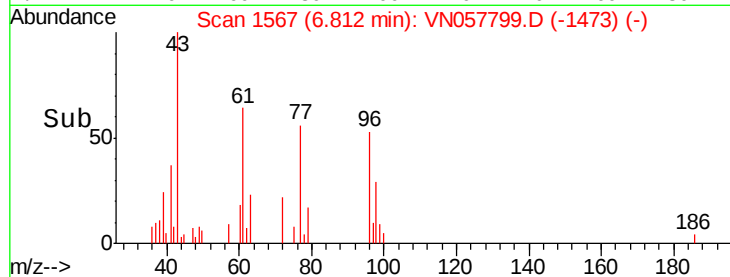
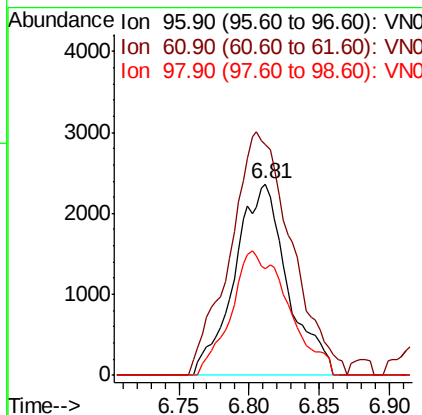
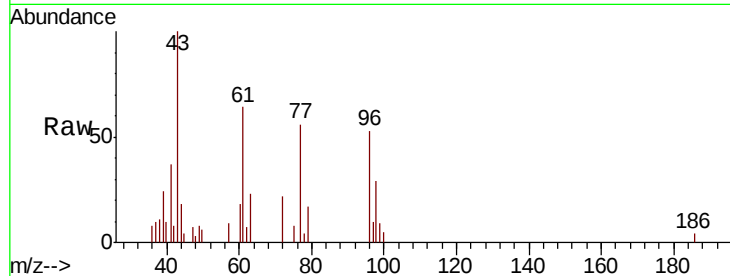
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	6204
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	314.0
98	70.4	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#28

Bromochloromethane

Concen: 0.931 ug/l

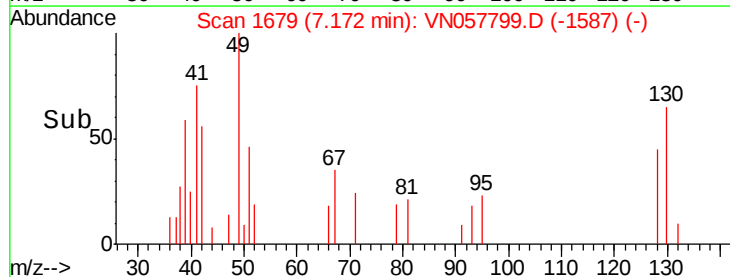
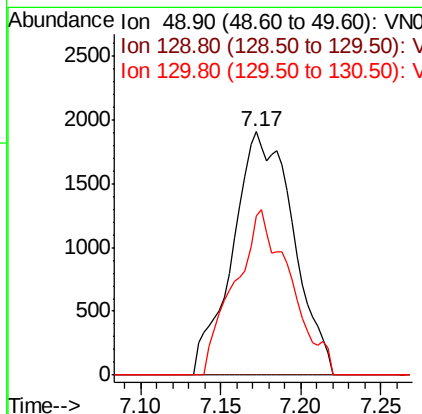
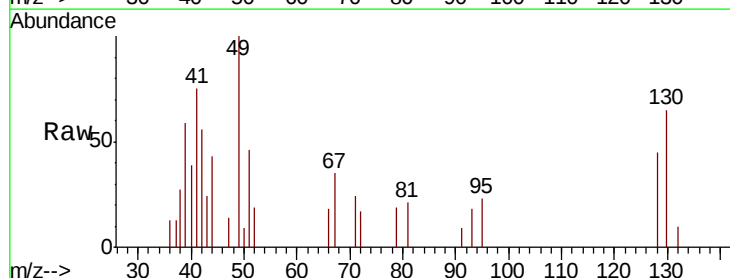
RT: 7.17 min Scan# 1679

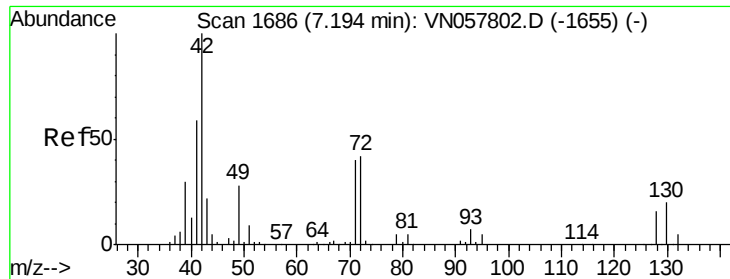
Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion:	49	Resp:	4968
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	62.7	53.0	79.6





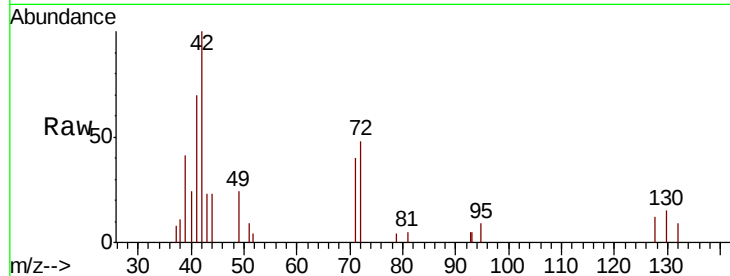
#29
Tetrahydrofuran
Concen: 5.176 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	33.7	50.5
71	36.6	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

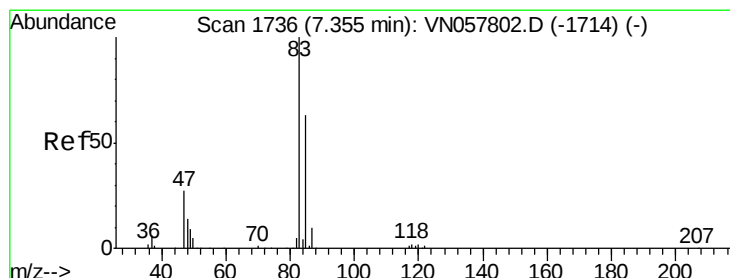
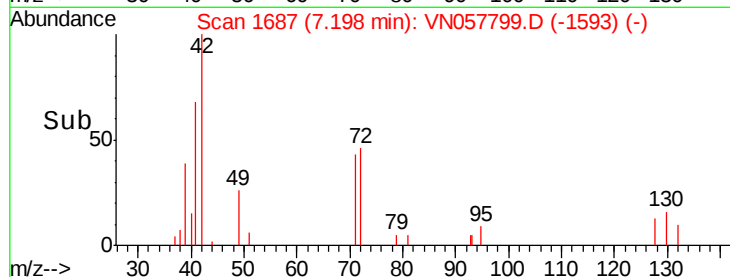
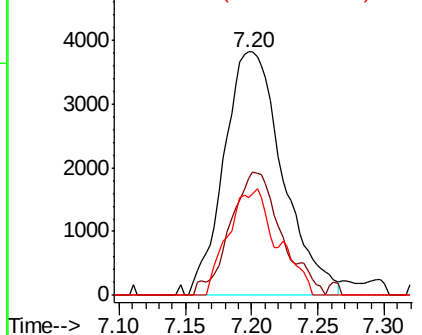


Abundance

Ion 42.00 (41.70 to 42.70): VN0

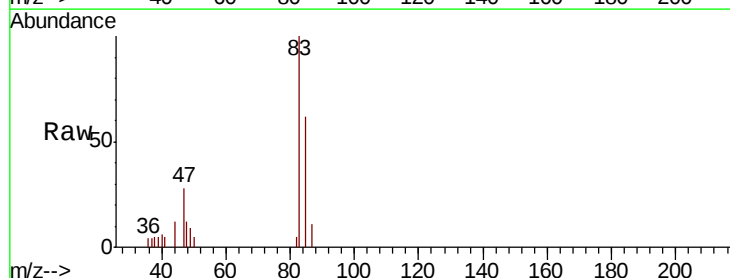
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 1.082 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

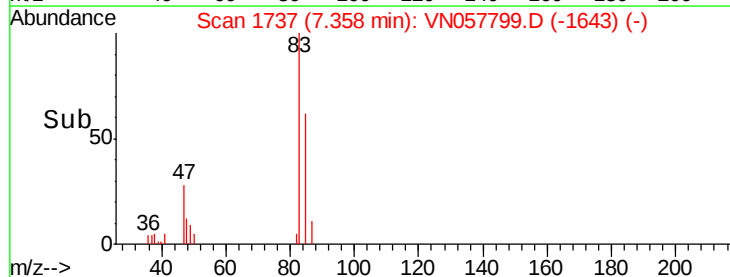
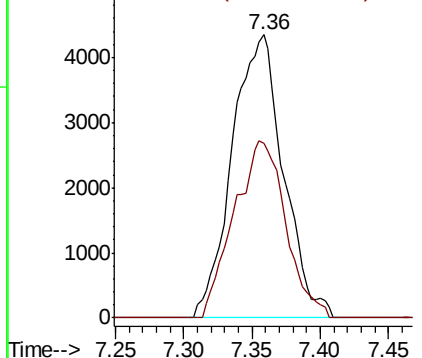
Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.6	75.8

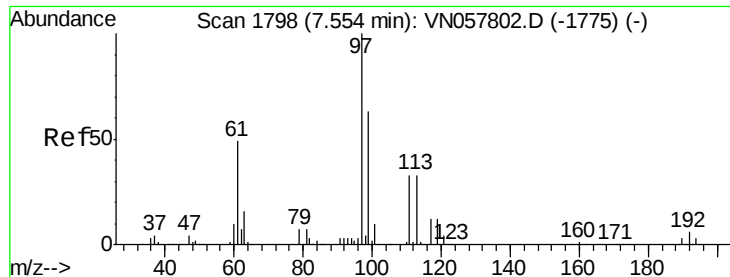


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#32

1,1,1-Trichloroethane

Concen: 0.994 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

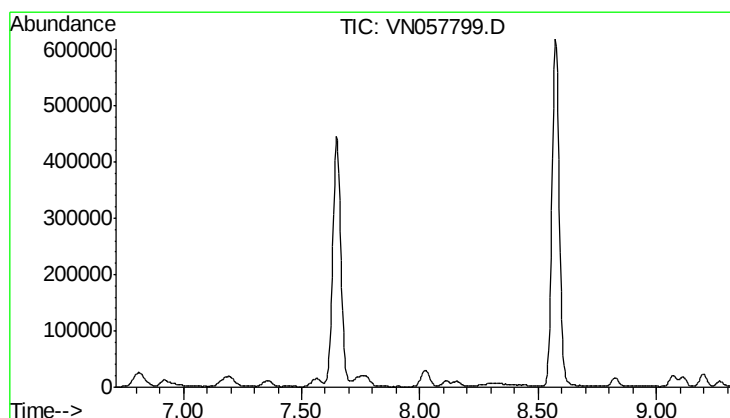
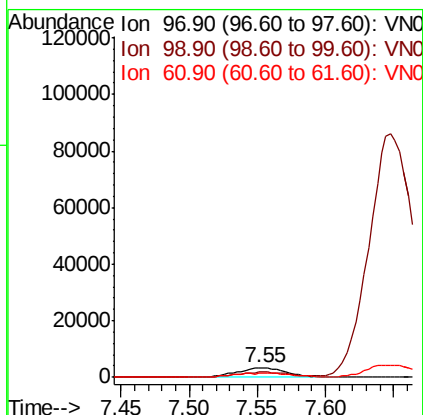
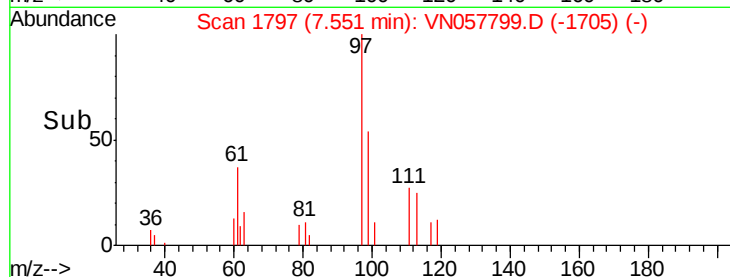
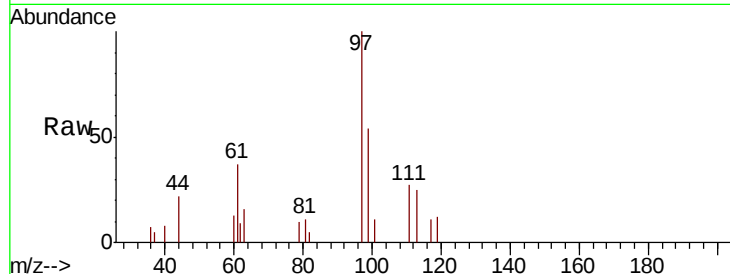
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	8631
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	26.2	39.0	58.6#

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN057799.D

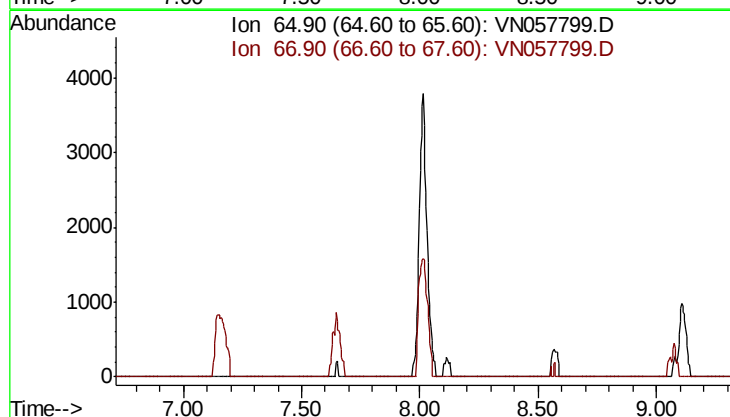
Acq: 9 Sep 2019 14:42

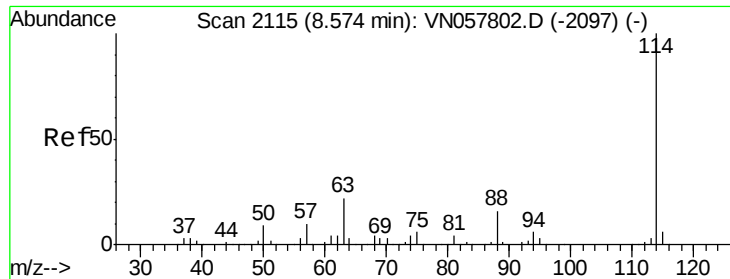
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.0





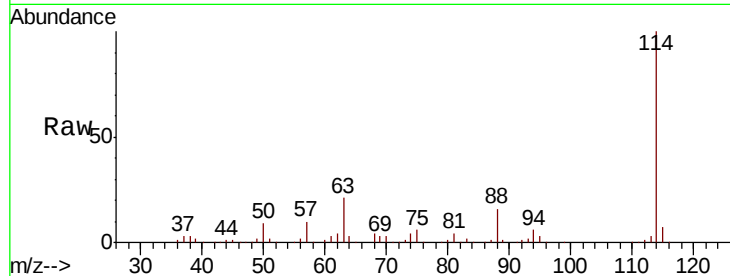
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

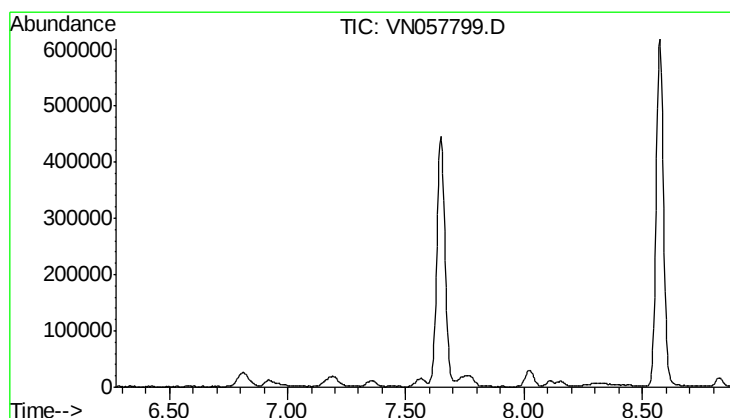
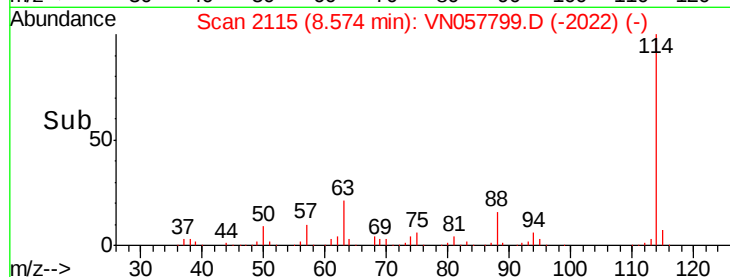
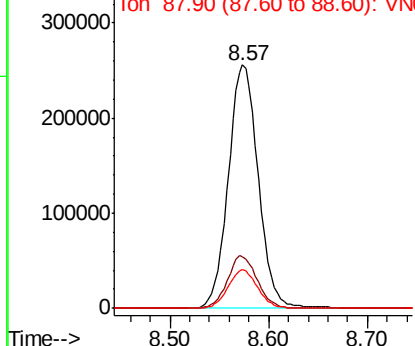
Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.3	0.0	44.0
88	15.7	0.0	31.4

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

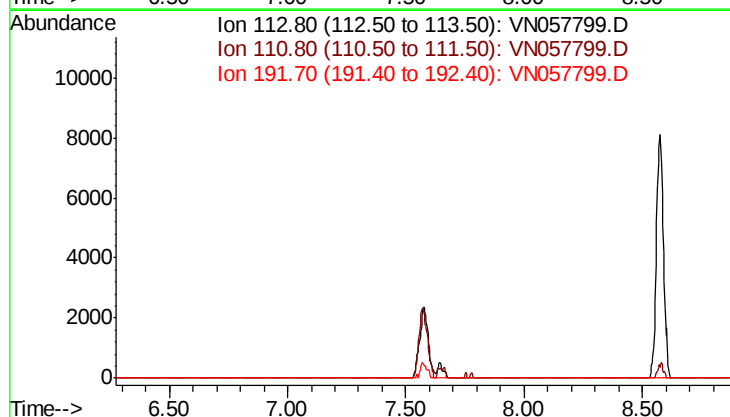


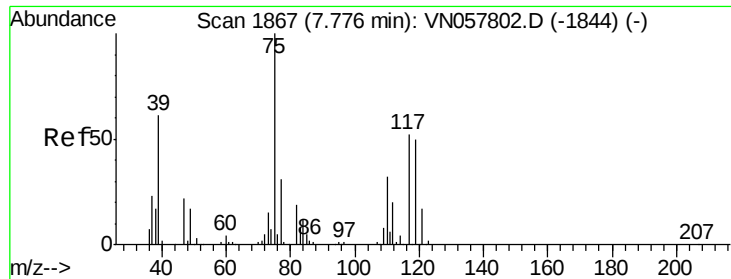
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.57 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion	Exp Ratio
113	100
111	101.6
192	18.3





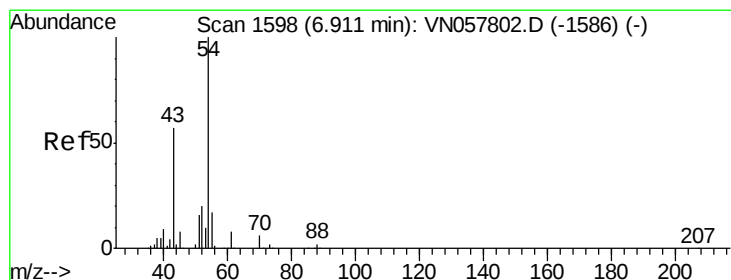
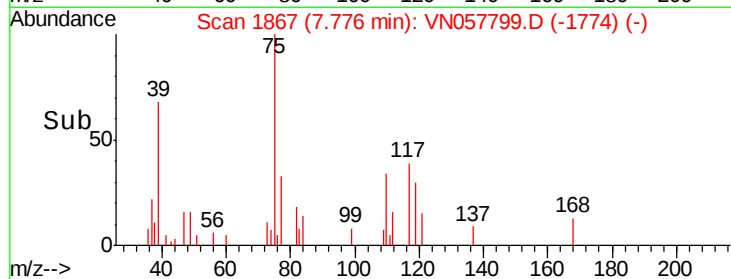
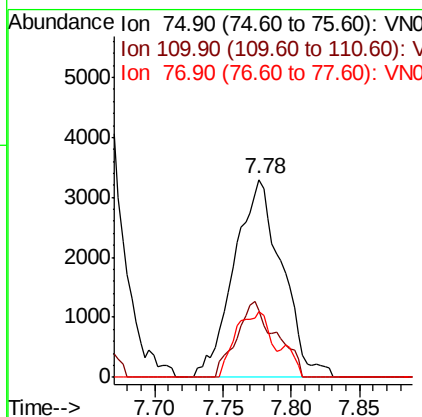
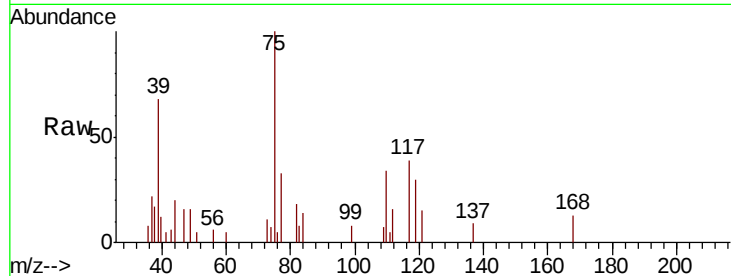
#36
 1,1-Dichloropropene
 Concen: 1.150 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.3	48.9
77	23.8	25.0	37.4#

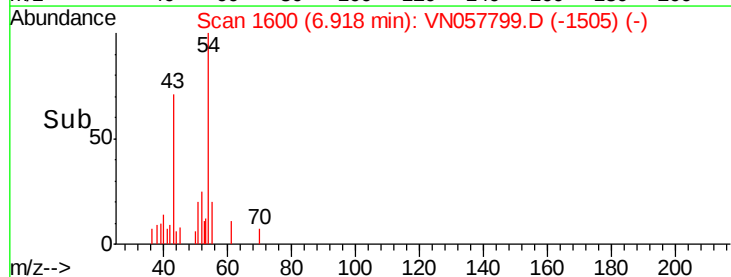
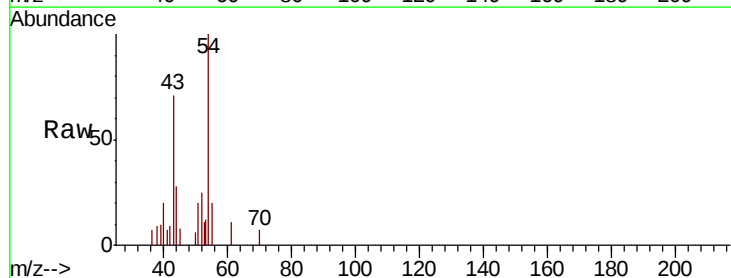
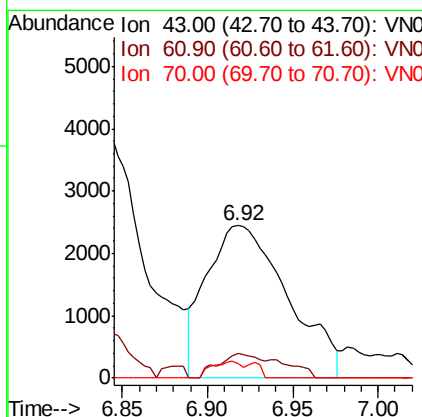
Manual Integrations
 APPROVED

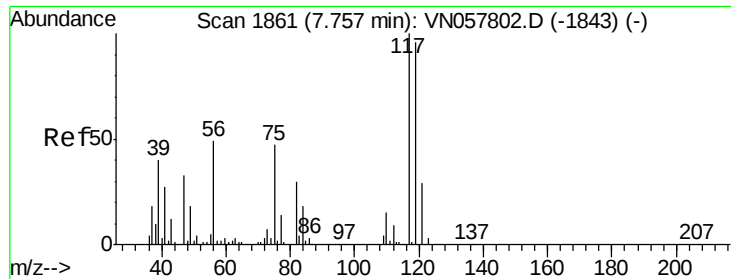
MMDadoda
 9/10/2019 4:29:50 PM



#37
 Ethyl Acetate
 Concen: 1.162 ug/l m
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.5	15.7
70	4.0	7.4	11.0#





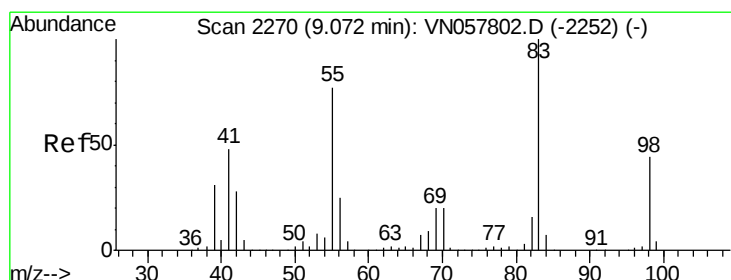
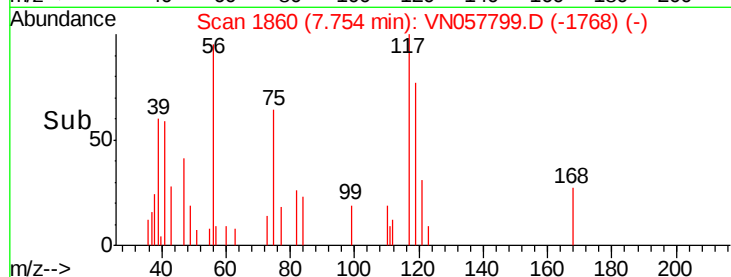
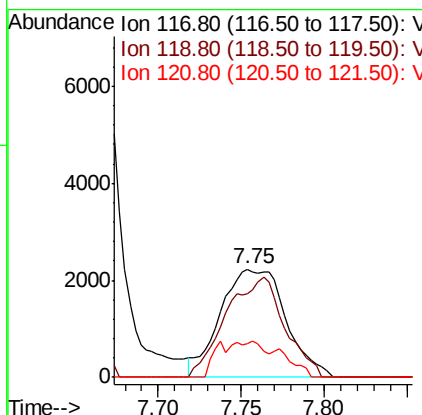
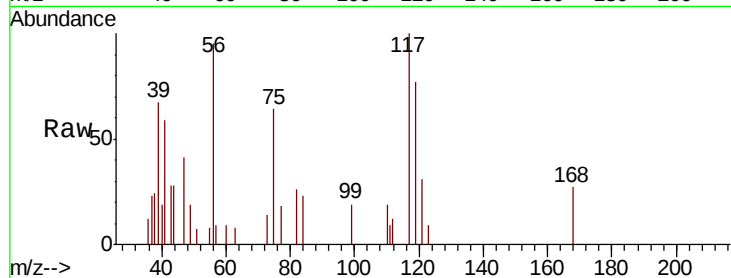
#38
Carbon Tetrachloride
Concen: 0.921 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	77.2	76.9	115.3
121	30.7	23.4	35.2

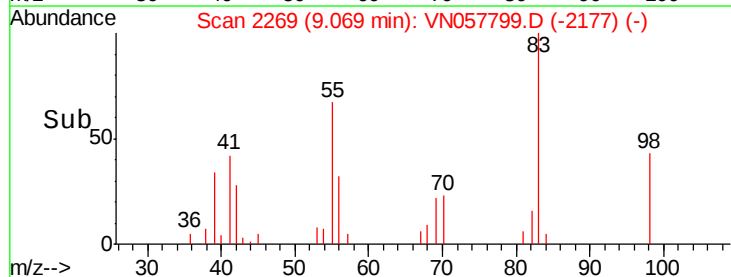
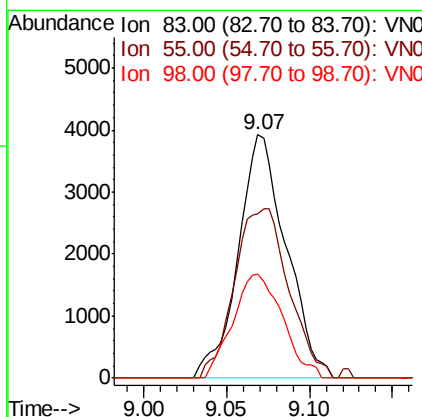
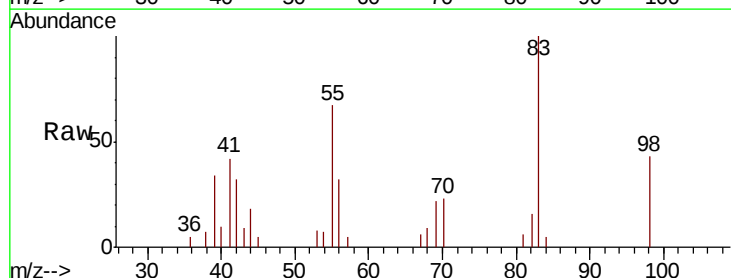
Manual Integrations
APPROVED

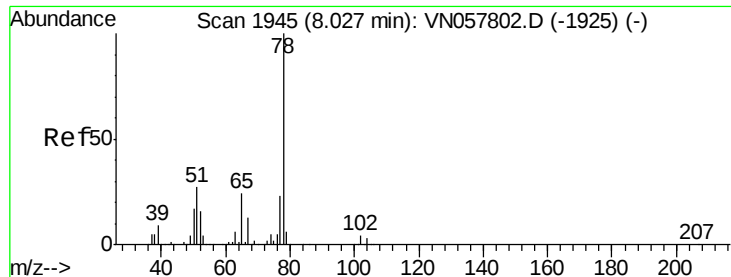
MMDadoda
9/10/2019 4:29:50 PM



#39
Methylcyclohexane
Concen: 1.067 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.5	61.6	92.4
98	42.9	34.9	52.3





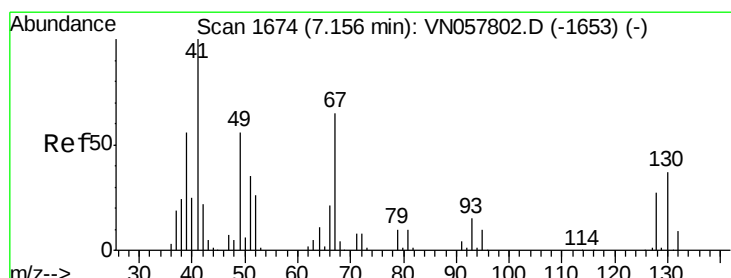
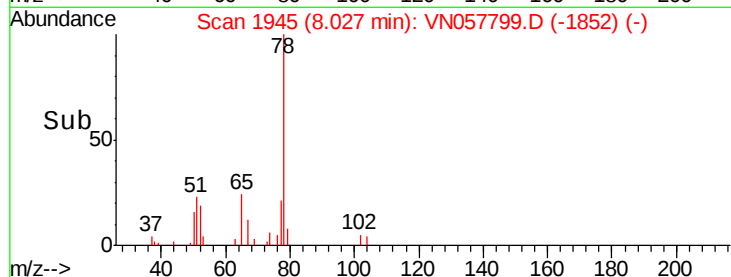
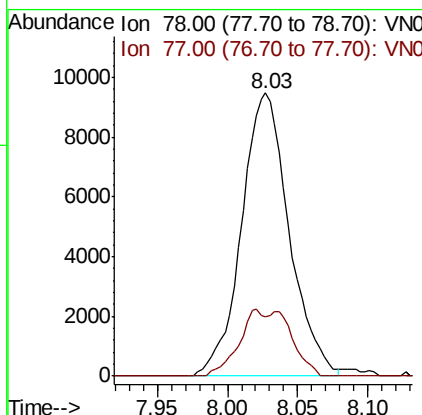
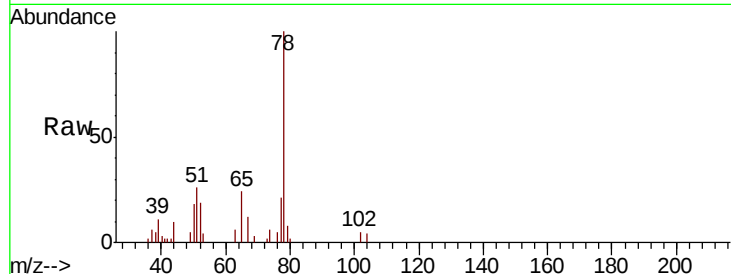
#40
Benzene
Concen: 1.113 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 78 Resp: 22329
Ion Ratio Lower Upper
78 100
77 21.0 18.3 27.5

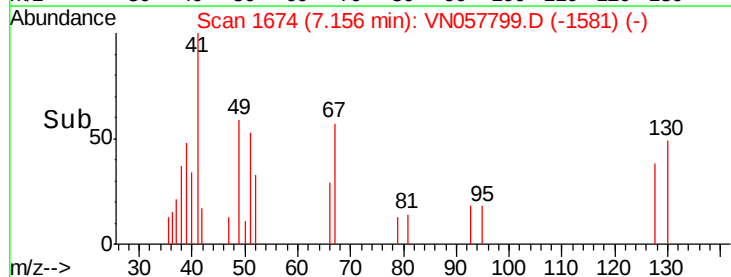
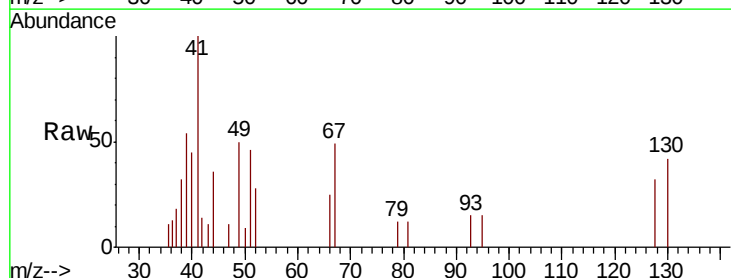
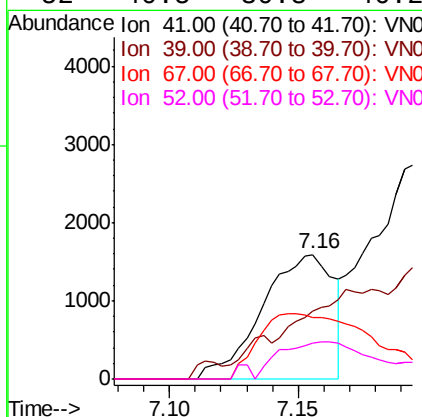
Manual Integrations
APPROVED

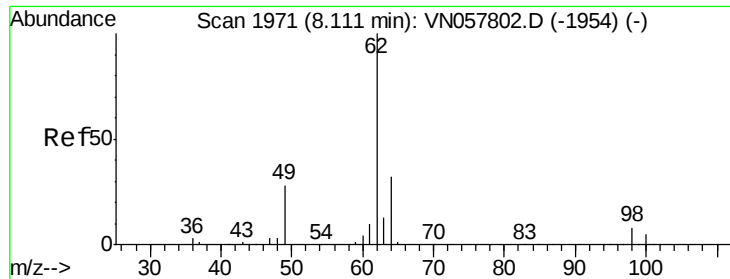
MMDadoda
9/10/2019 4:29:50 PM



#41
Methacrylonitrile
Concen: 0.902 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 41 Resp: 3073
Ion Ratio Lower Upper
41 100
39 61.7 51.0 76.6
67 0.0 70.7 106.1#
52 40.5 30.8 46.2





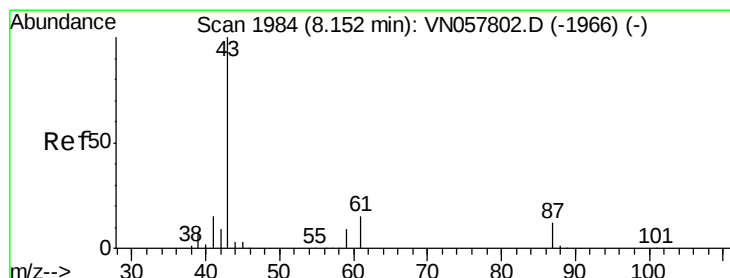
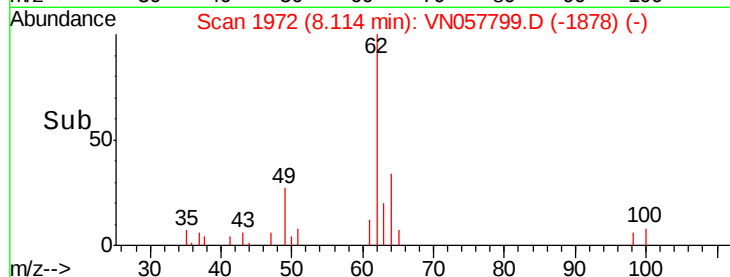
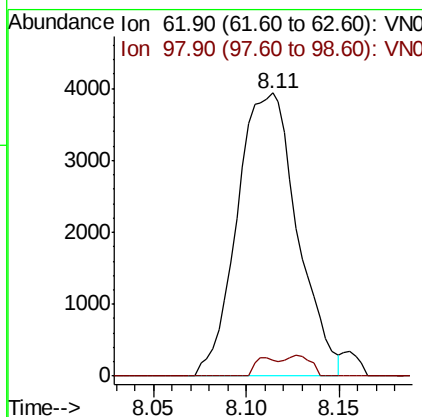
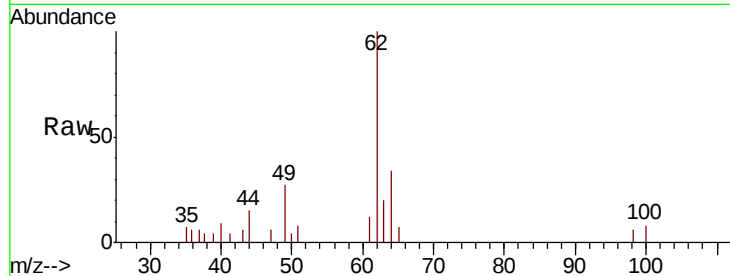
#42
 1,2-Dichloroethane
 Concen: 0.970 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	2.4	0.0	15.8

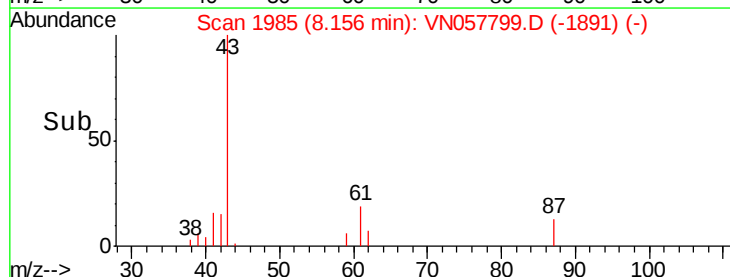
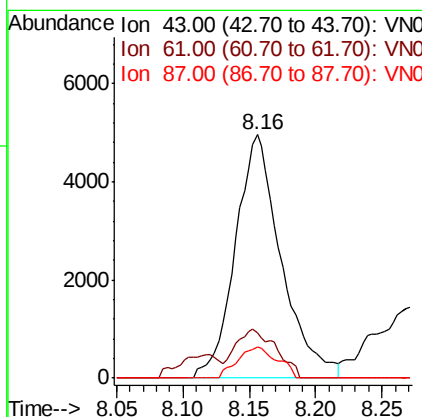
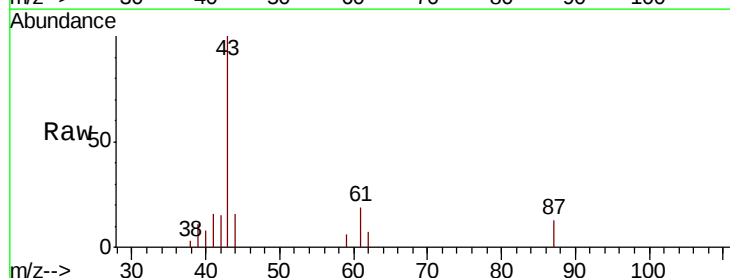
Manual Integrations
 APPROVED

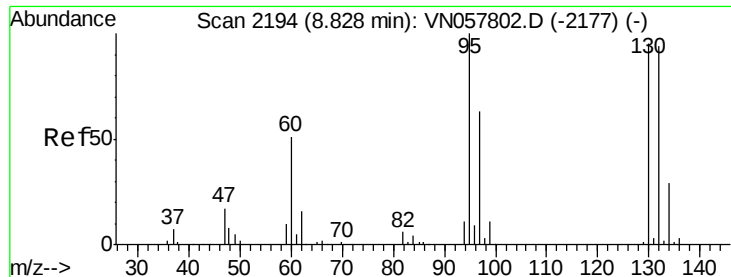
MMDadoda
 9/10/2019 4:29:50 PM



#43
 Isopropyl Acetate
 Concen: 0.897 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	20.1	30.1#
87	11.0	9.5	14.3





#44

Trichloroethene

Concen: 1.220 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5532

Ion Ratio Lower Upper

130 100

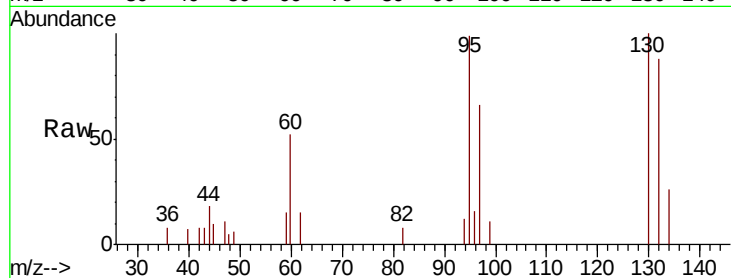
95 99.2 0.0 211.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

8.83

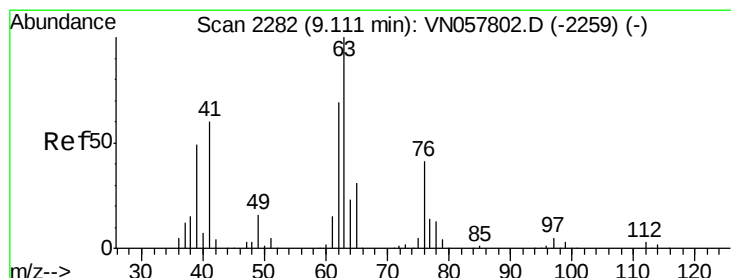
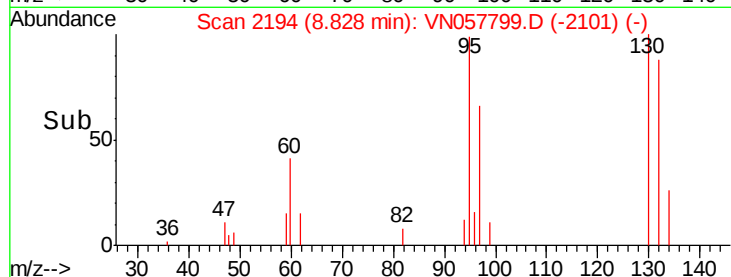
3000

2000

1000

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.127 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057799.D

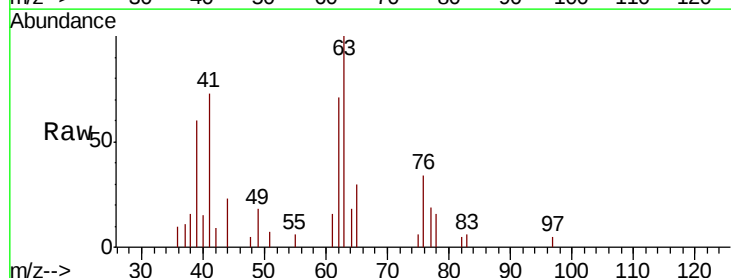
Acq: 9 Sep 2019 14:42

Tgt Ion: 63 Resp: 6348

Ion Ratio Lower Upper

63 100

65 29.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN057802.D (-2259) (-)

9.11

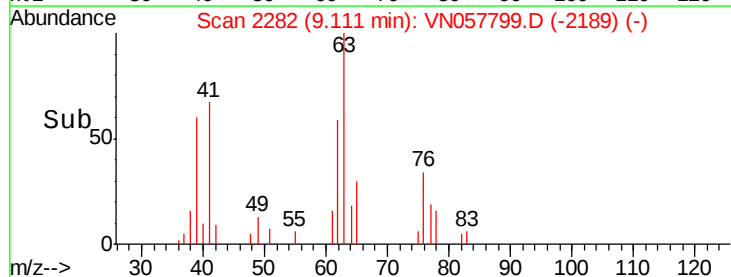
3000

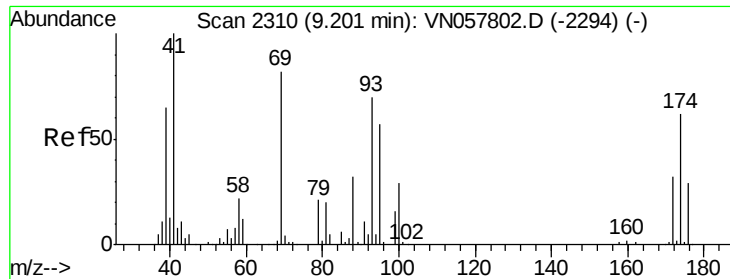
2000

1000

0

Time-->





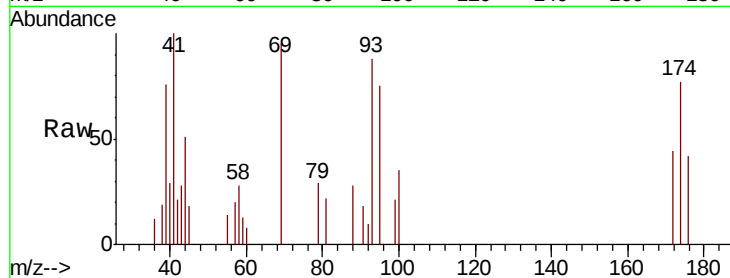
#46
 Dibromomethane
 Concen: 1.046 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

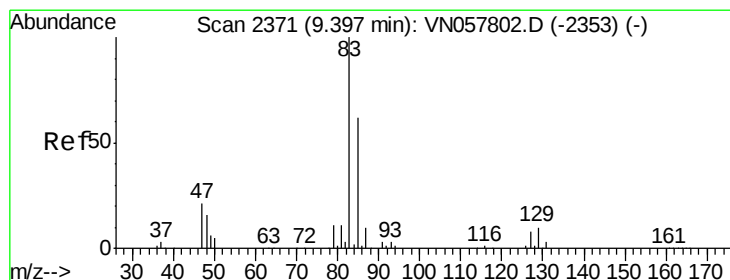
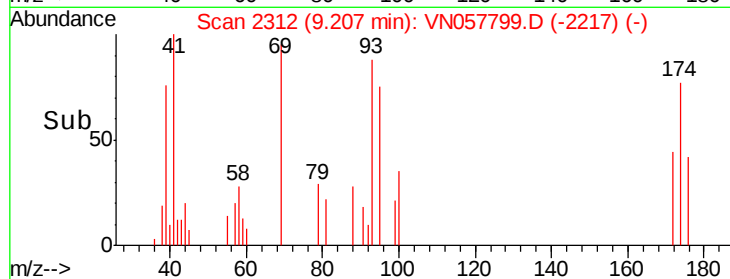
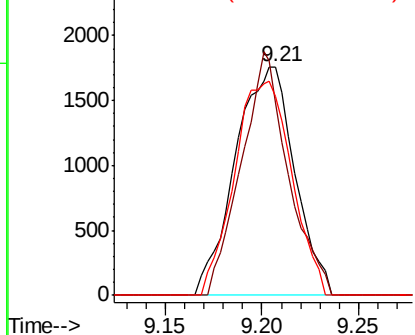
Tot Ion: 93 Resp: 3745
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.9 98.9
 174 90.6 71.8 107.6

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:29:50 PM

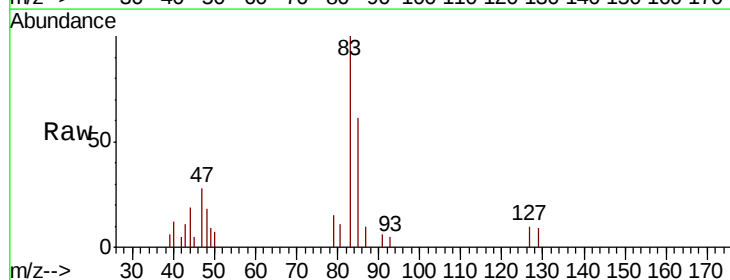


Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V

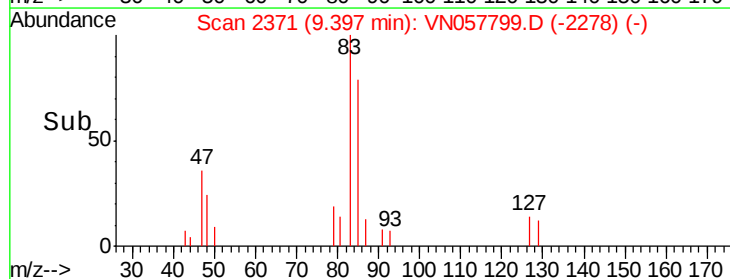
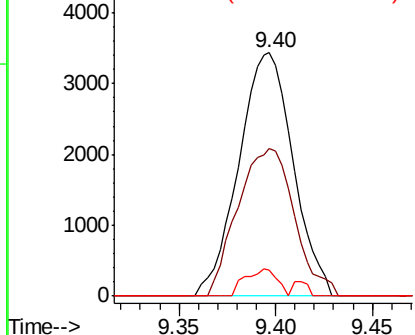


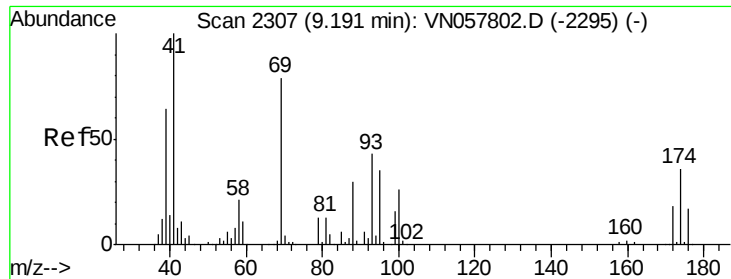
#47
 Bromodichloromethane
 Concen: 0.882 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion: 83 Resp: 6699
 Ion Ratio Lower Upper
 83 100
 85 60.9 49.9 74.9
 127 10.4 6.5 9.7#



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





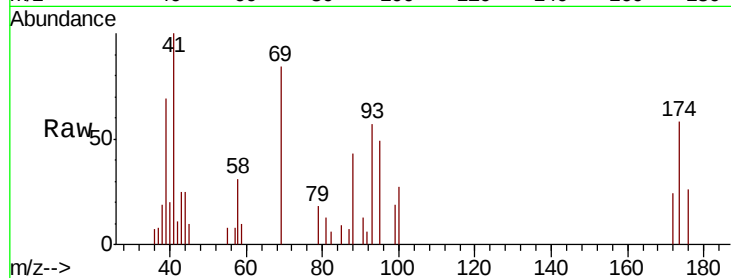
#48
Methyl methacrylate
Concen: 0.986 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

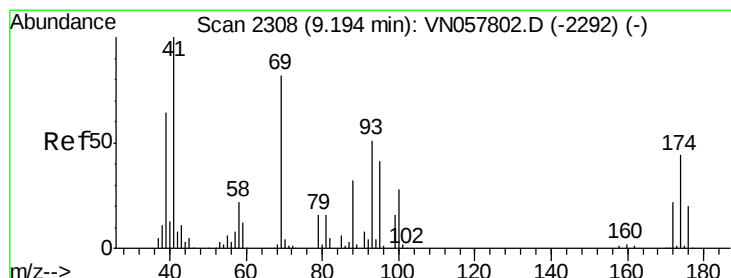
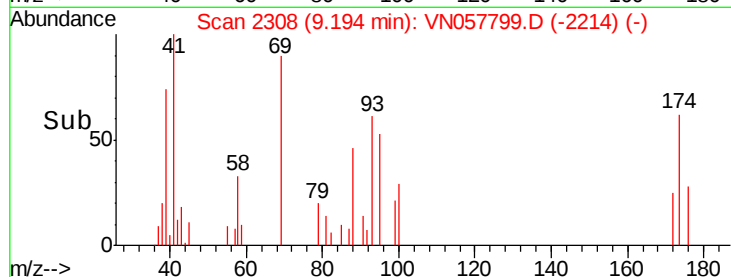
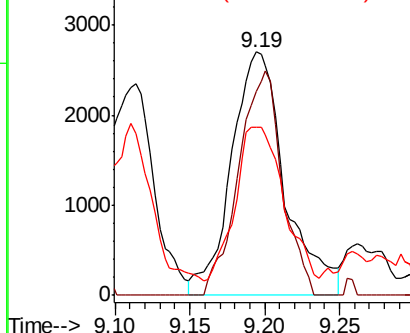
Tot Ion: 41 Resp: 6735
Ion Ratio Lower Upper
41 100
69 74.6 62.7 94.1
39 55.9 52.7 79.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

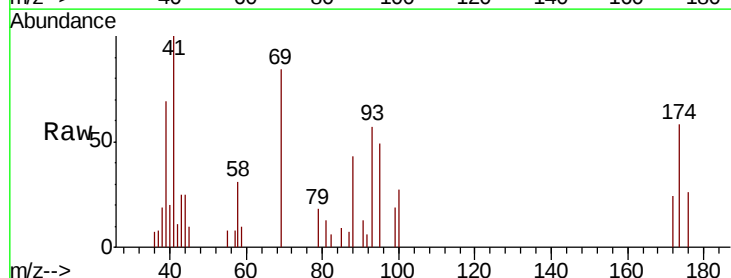


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

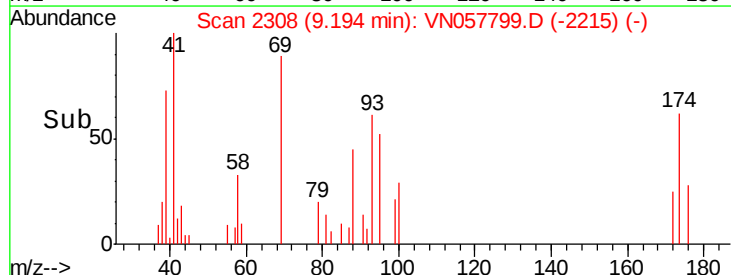
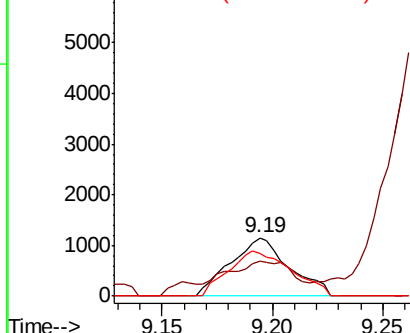


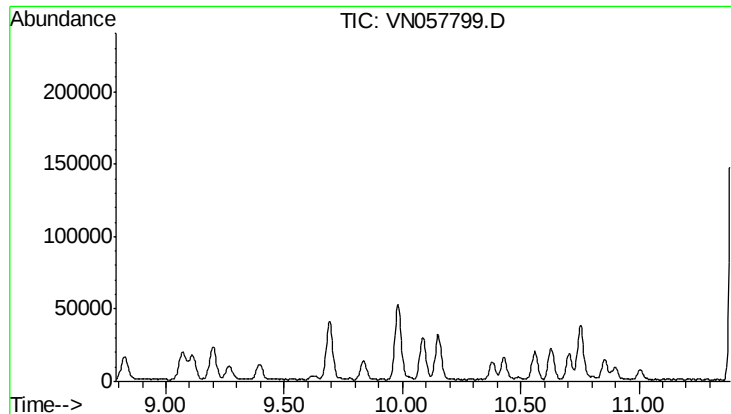
#49
1,4-Dioxane
Concen: 25.353 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 88 Resp: 2109
Ion Ratio Lower Upper
88 100
43 37.2 28.5 42.7
58 83.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





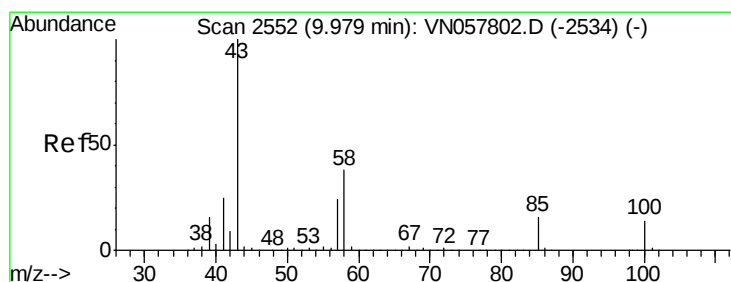
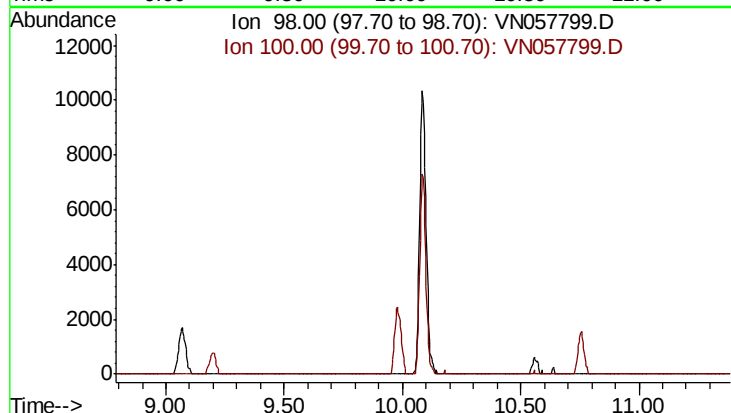
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 62.9

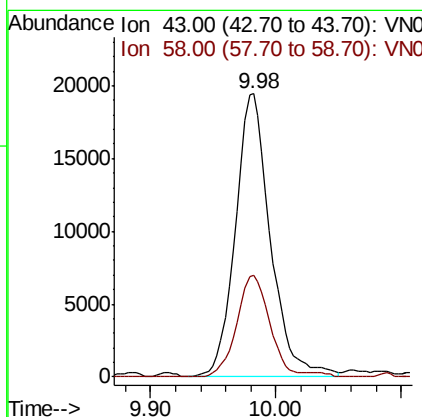
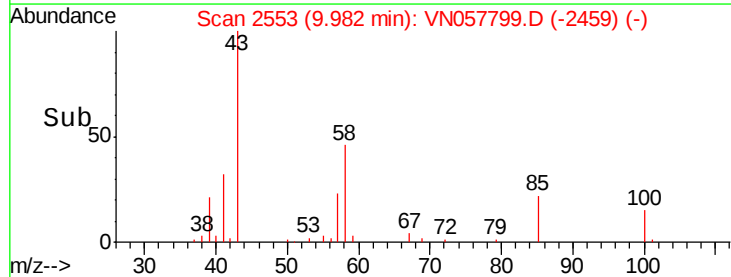
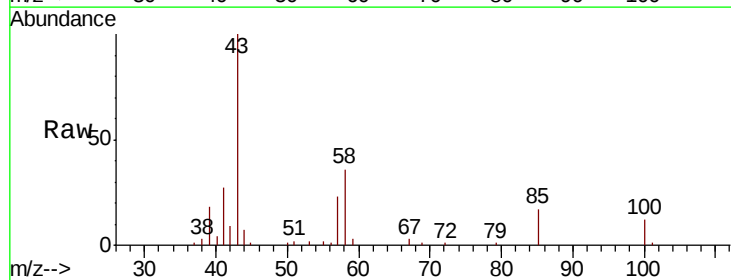
Manual Integrations
APPROVED

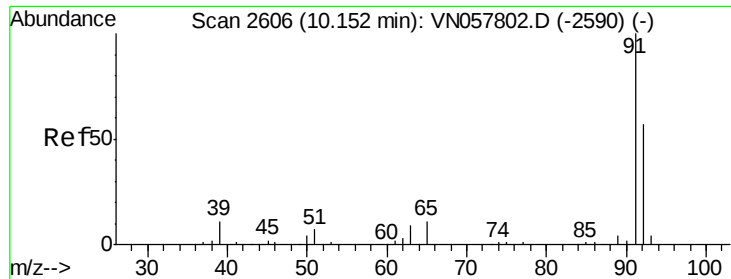
MMDadoda
9/10/2019 4:29:50 PM



#51
4-Methyl-2-Pentanone
Concen: 5.050 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 43 Resp: 37752
Ion Ratio Lower Upper
43 100
58 34.5 29.8 44.6





#52

Toluene

Concen: 1.108 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 13561

Ion Ratio Lower Upper

92 100

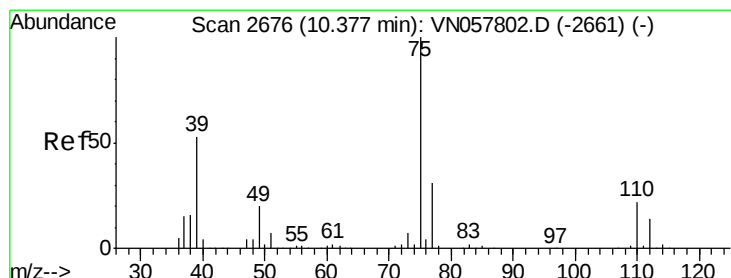
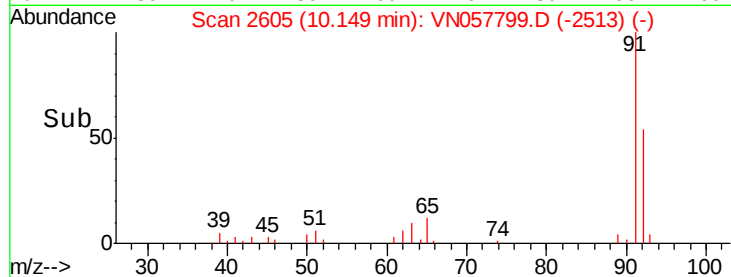
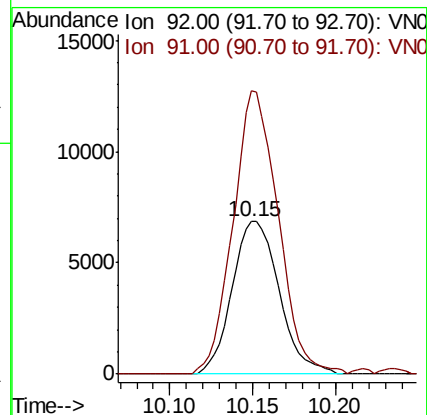
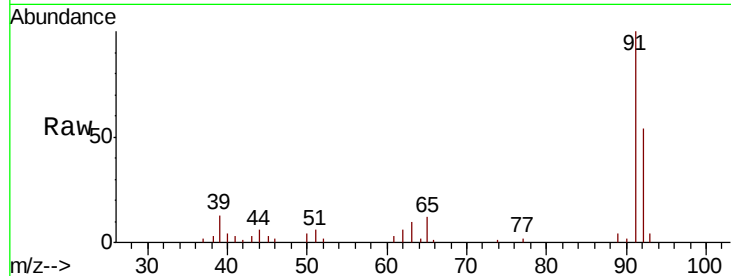
91 178.0 141.0 211.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



#53

t-1,3-Dichloropropene

Concen: 0.839 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057799.D

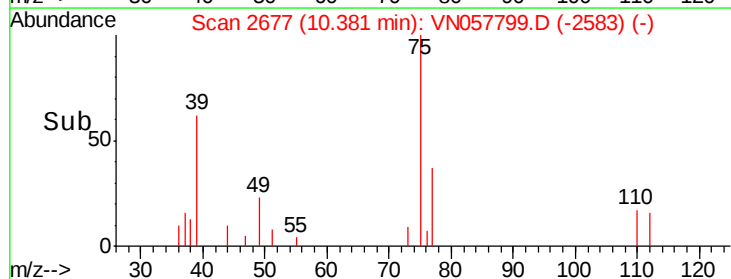
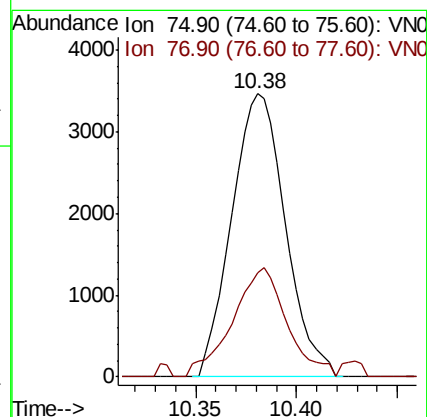
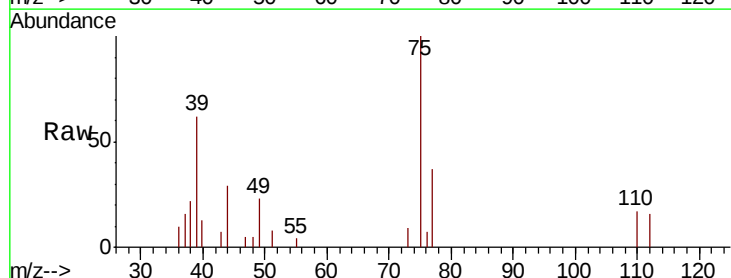
Acq: 9 Sep 2019 14:42

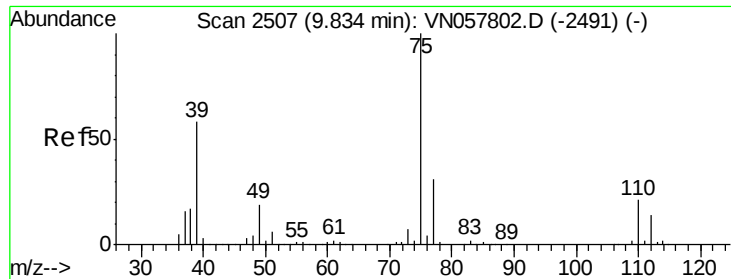
Tgt Ion: 75 Resp: 6436

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7





#54

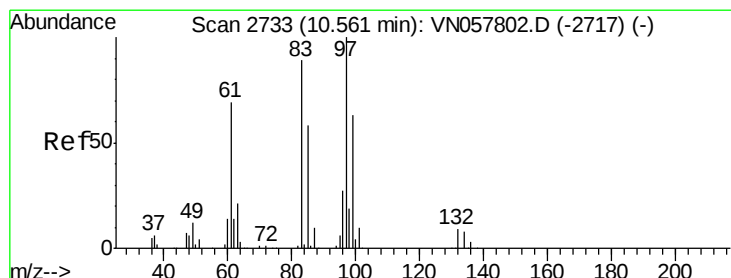
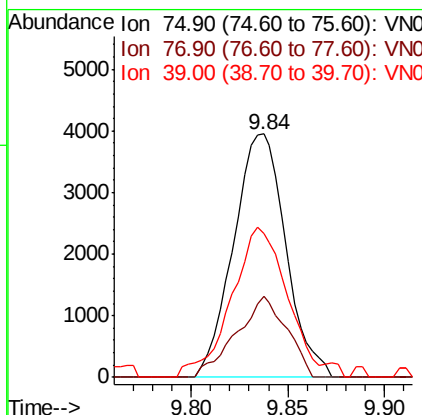
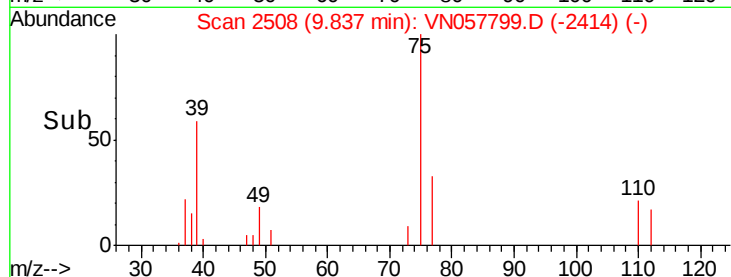
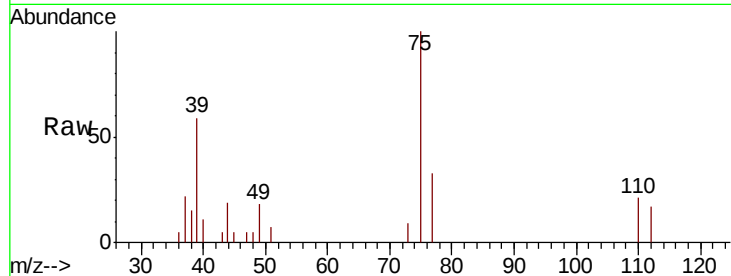
cis-1,3-Dichloropropene
 Concen: 0.893 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.8	37.2
39	53.9	46.2	69.4

Manual Integrations
 APPROVED

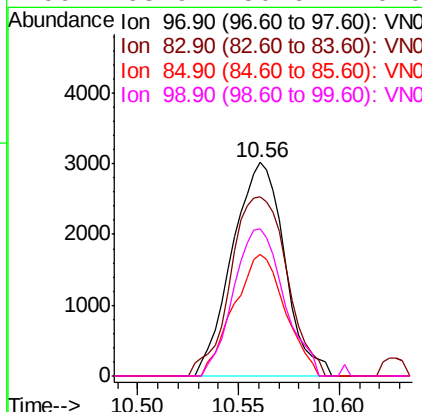
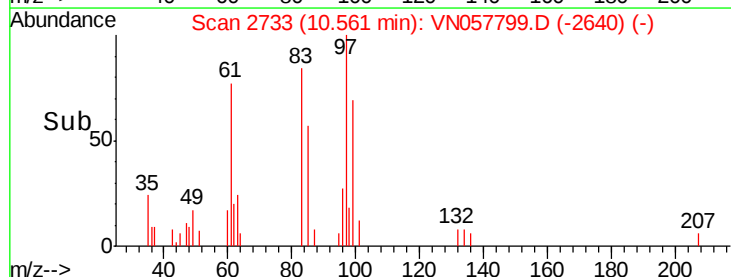
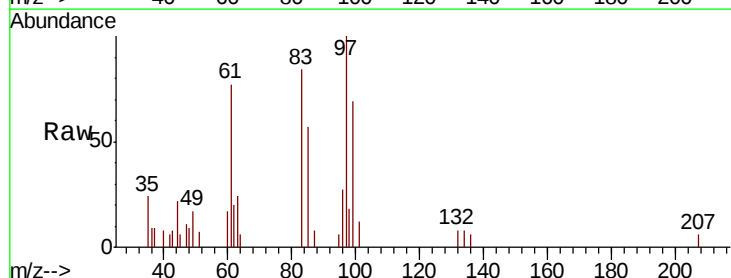
MMDadoda
 9/10/2019 4:29:50 PM

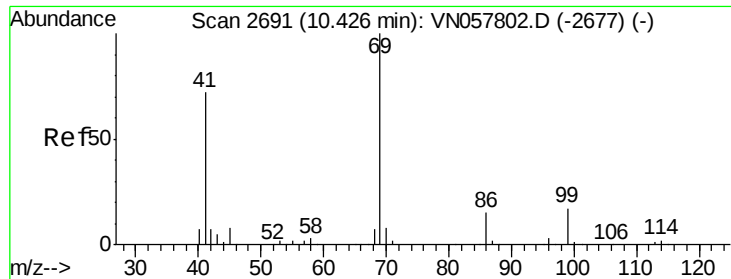


#55

1,1,2-Trichloroethane
 Concen: 1.098 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.8	106.2
85	57.2	46.0	69.0
99	68.9	50.6	76.0





#56

Ethyl methacrylate

Concen: 0.964 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

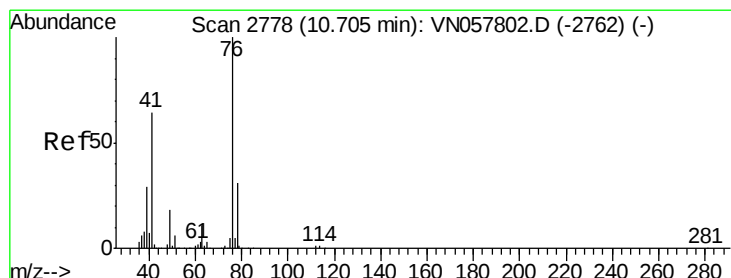
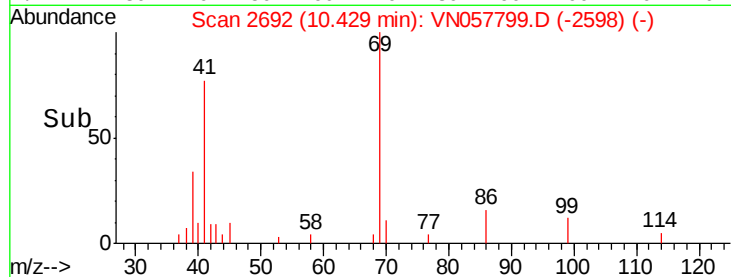
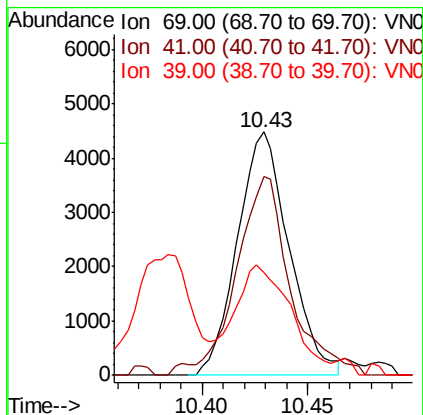
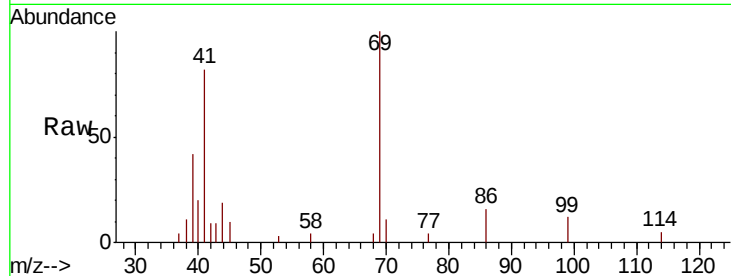
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	7624
Ion	Ratio	Lower	Upper
69	100		
41	85.7	56.7	85.1#
39	43.1	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#57

1,3-Dichloropropane

Concen: 1.068 ug/l

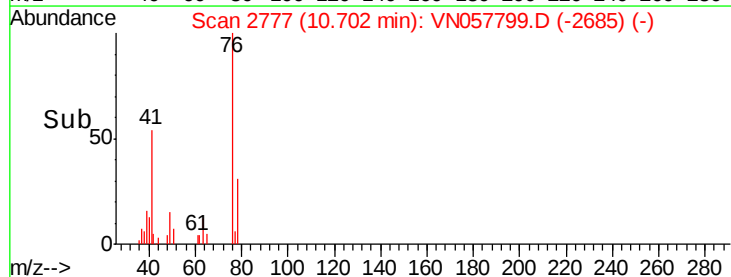
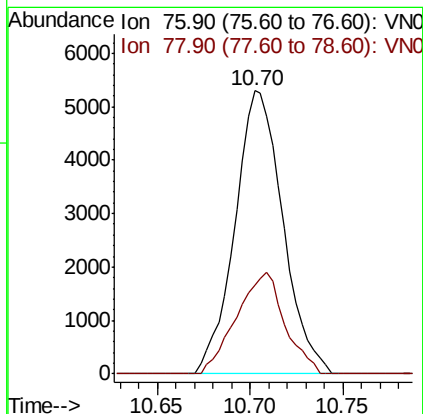
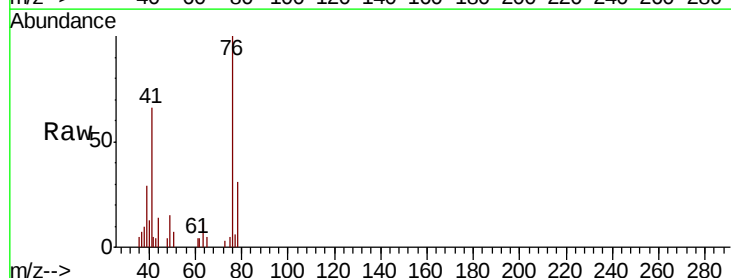
RT: 10.70 min Scan# 2777

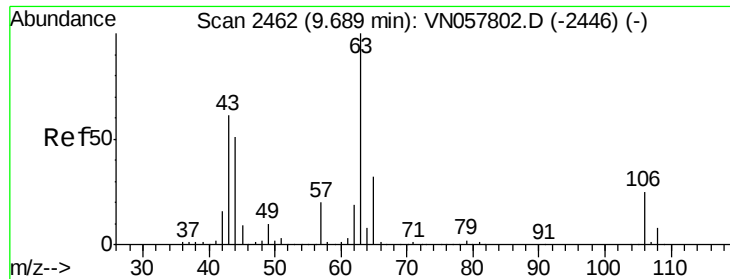
Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion:	76	Resp:	9539
Ion	Ratio	Lower	Upper
76	100		
78	35.8	25.4	38.2





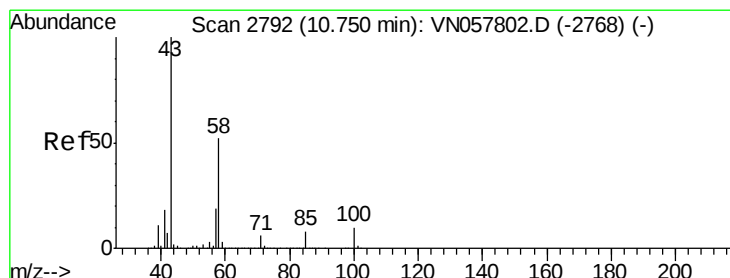
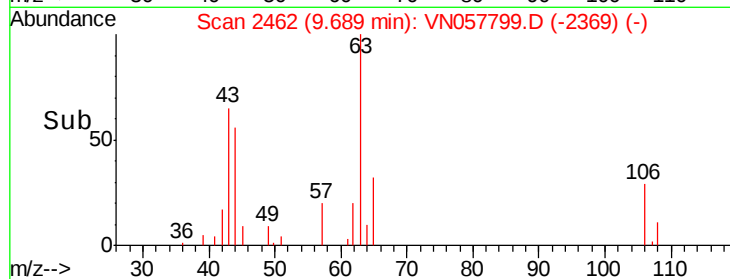
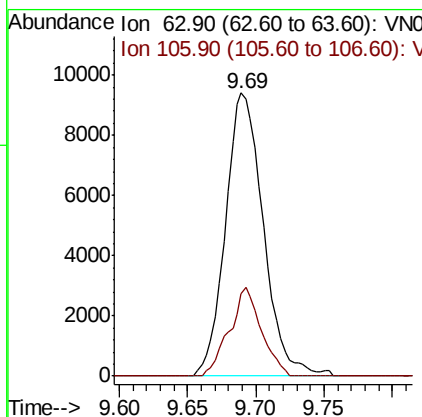
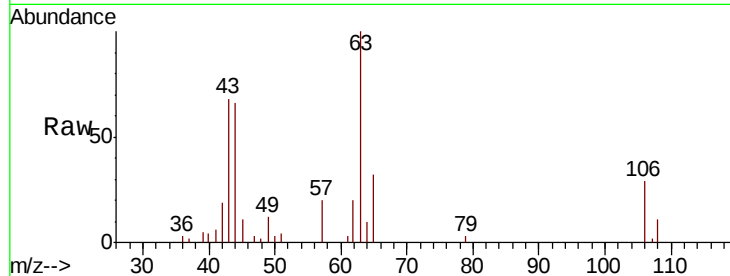
#58
2-Chloroethyl Vinyl ether
Concen: 4.515 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 63 Resp: 18134
Ion Ratio Lower Upper
63 100
106 26.4 20.0 30.0

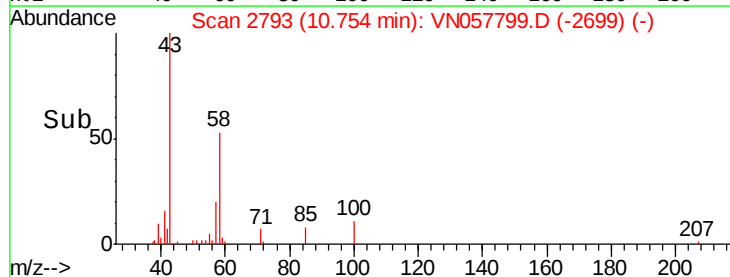
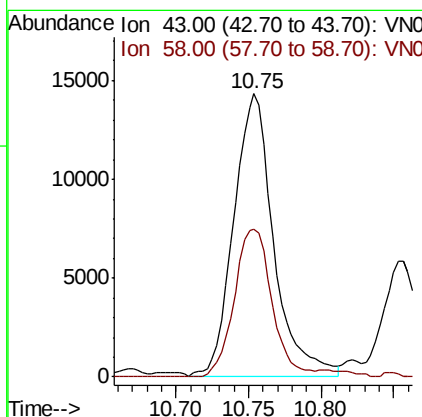
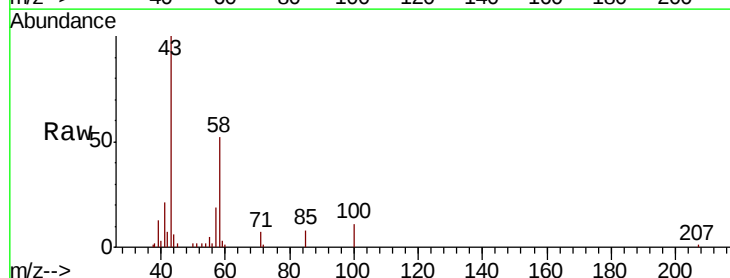
Manual Integrations
APPROVED

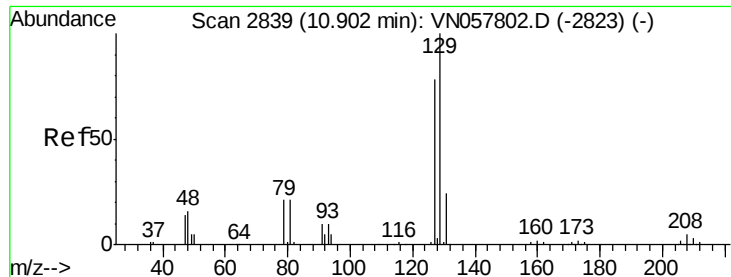
MMDadoda
9/10/2019 4:29:50 PM



#59
2-Hexanone
Concen: 5.176 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 43 Resp: 27518
Ion Ratio Lower Upper
43 100
58 48.9 25.6 76.8





#60

Dibromochloromethane

Concen: 0.883 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4250

Ion Ratio Lower Upper

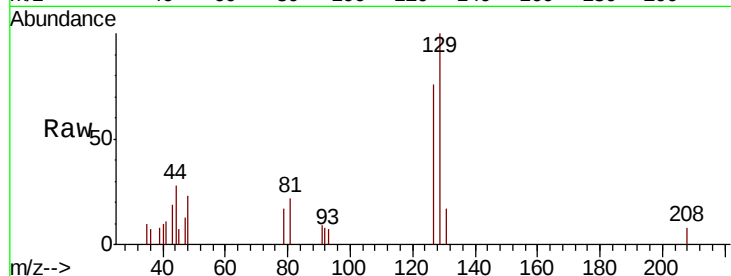
129 100

127 77.6 38.6 116.0

Manual Integrations
APPROVED

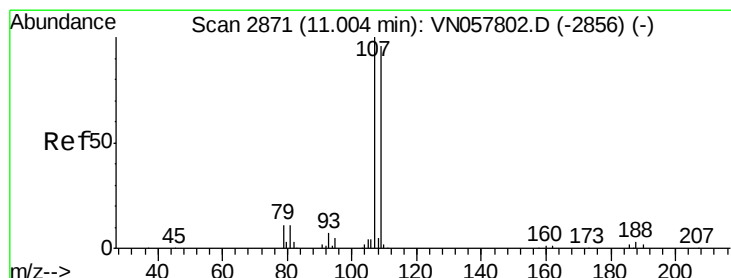
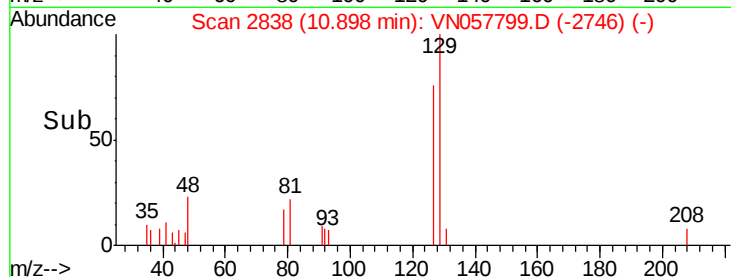
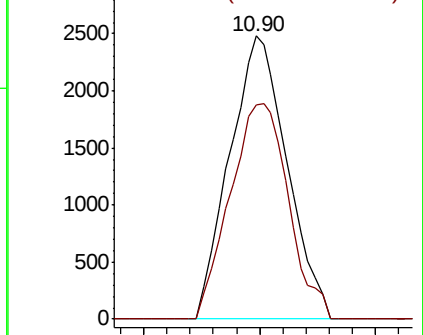
MMDadoda

9/10/2019 4:29:50 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.051 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057799.D

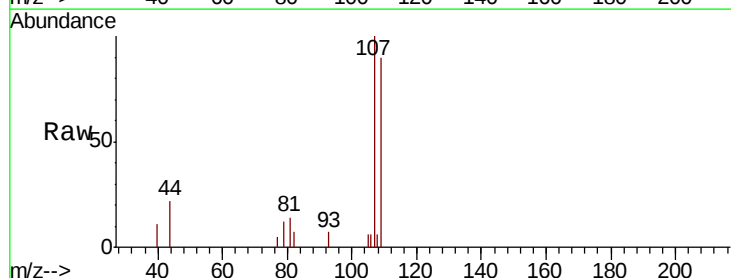
Acq: 9 Sep 2019 14:42

Tgt Ion:107 Resp: 5001

Ion Ratio Lower Upper

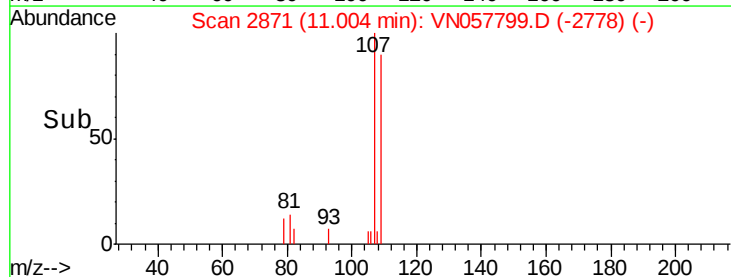
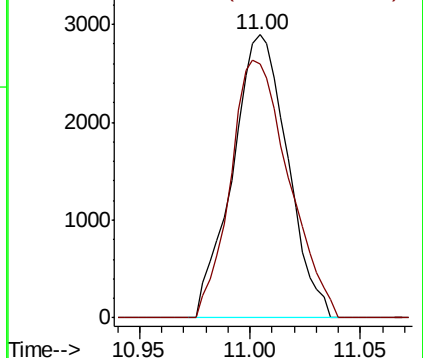
107 100

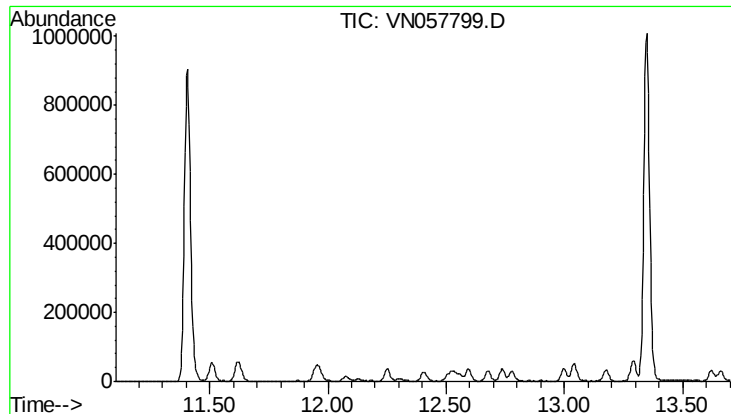
109 96.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





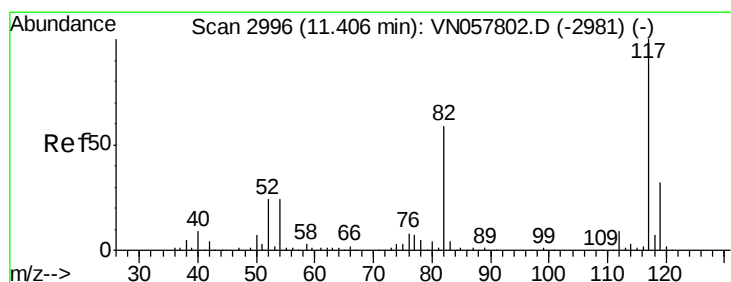
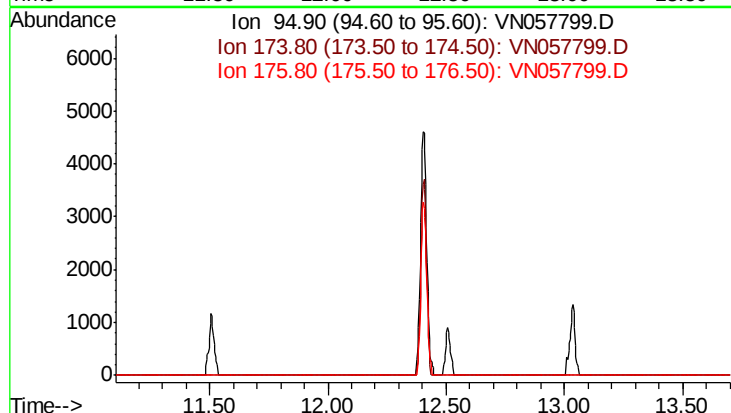
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 75.1
 176 73.0

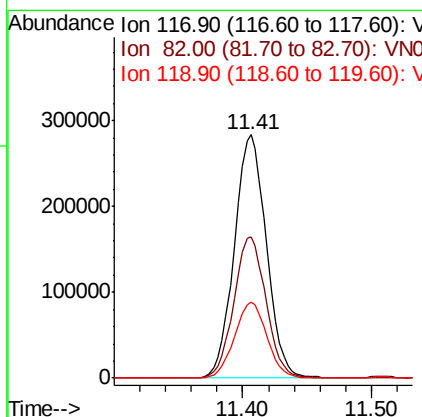
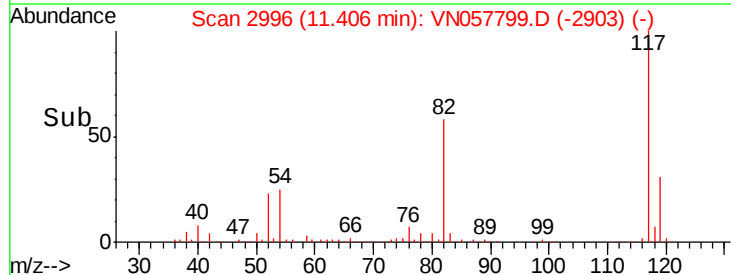
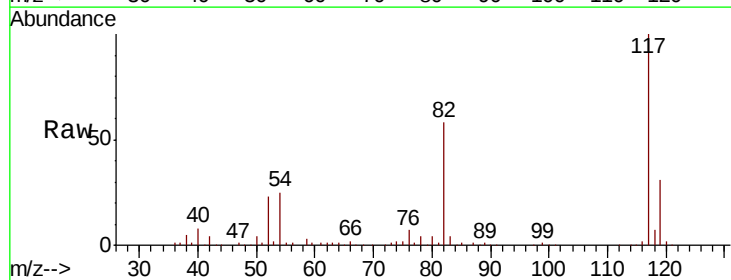
Manual Integrations
 APPROVED

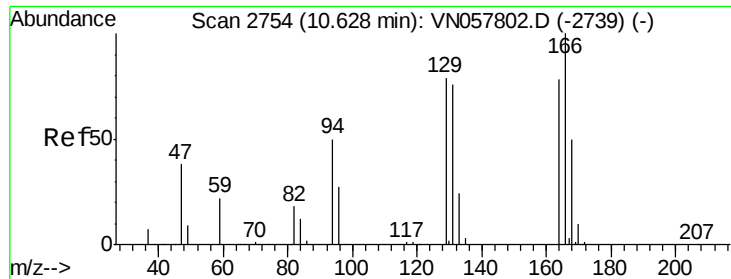
MMDadoda
 9/10/2019 4:29:50 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion:117 Resp: 489430
 Ion Ratio Lower Upper
 117 100
 82 58.2 47.2 70.8
 119 31.4 25.3 37.9





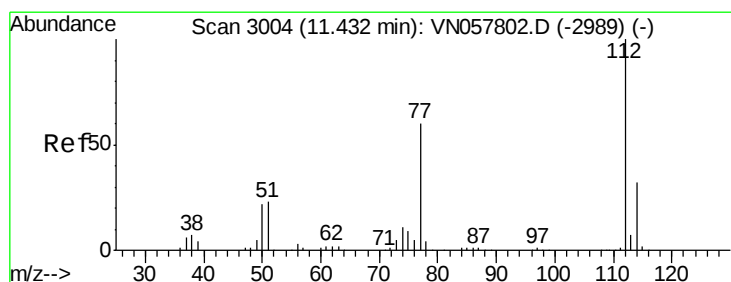
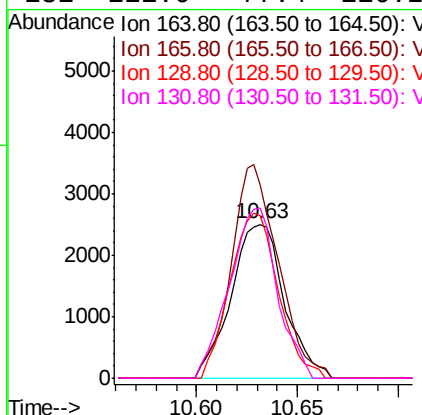
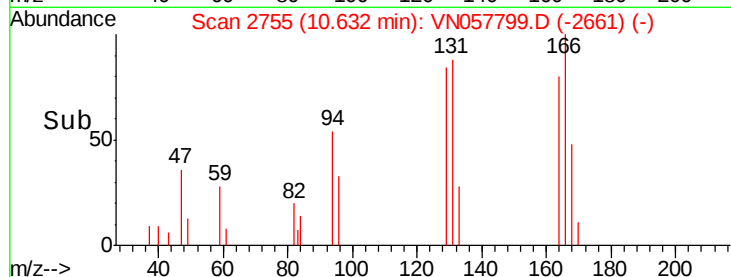
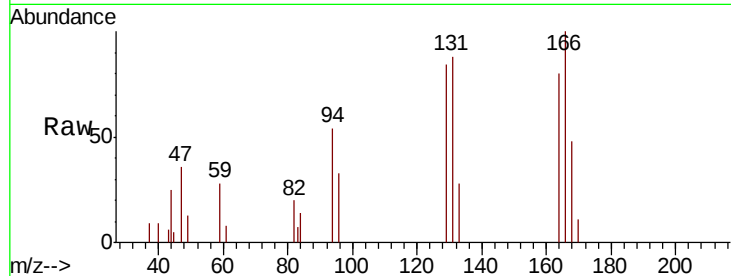
#64
Tetrachloroethene
Concen: 1.231 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.2	153.2
129	105.7	80.8	121.2
131	111.0	77.4	116.2

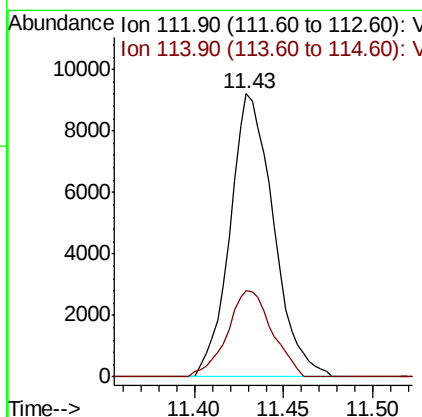
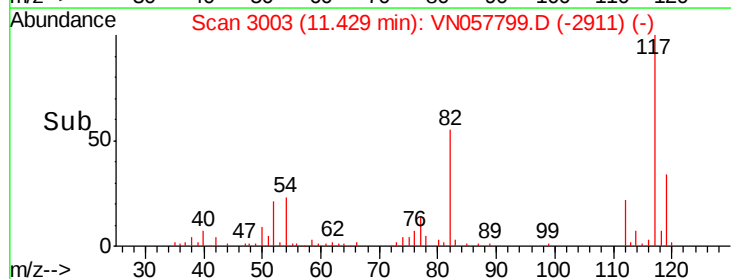
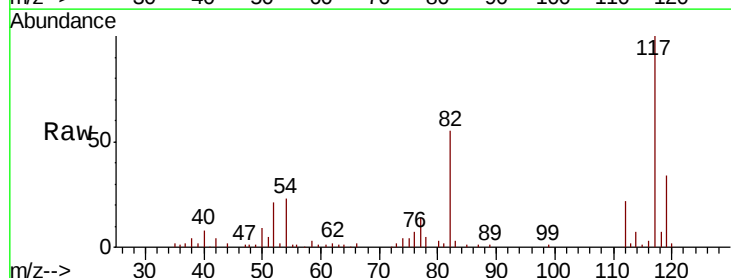
Manual Integrations
APPROVED

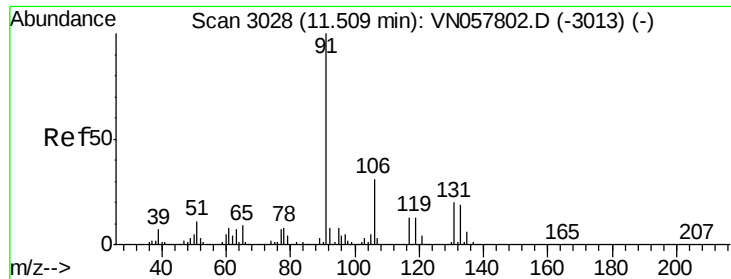
MMDadoda
9/10/2019 4:29:50 PM



#65
Chlorobenzene
Concen: 1.224 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.2	37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.051 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

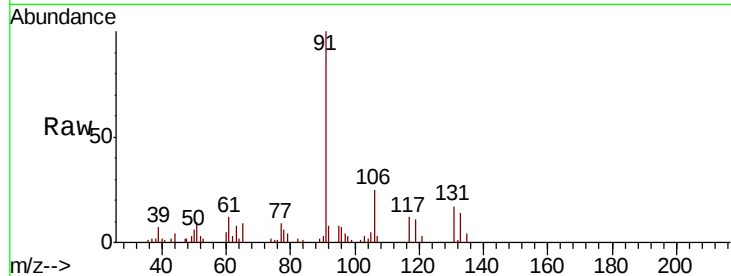
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	88.0	47.1	141.3
119	0.0	33.3	99.8#

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

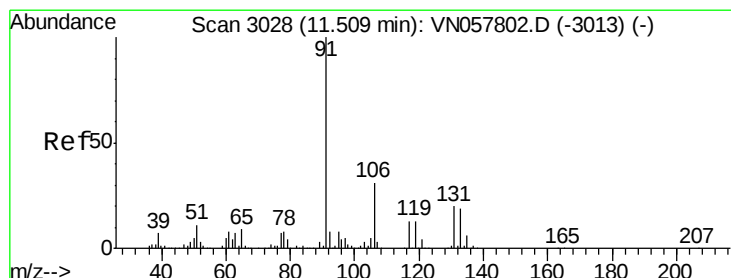
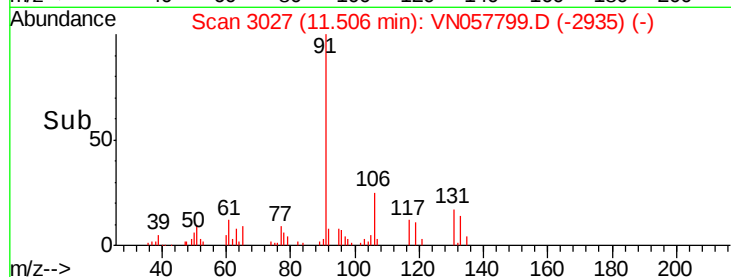
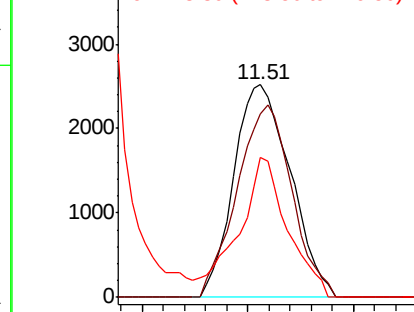


Abundance

Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.140 ug/l

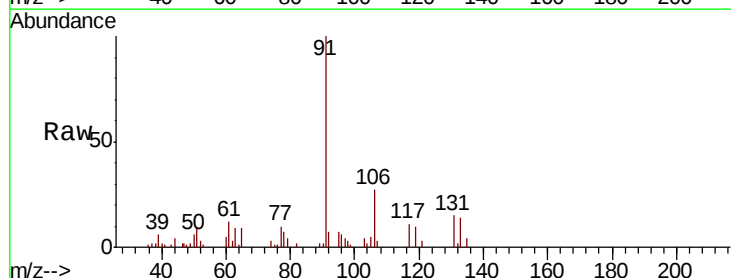
RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

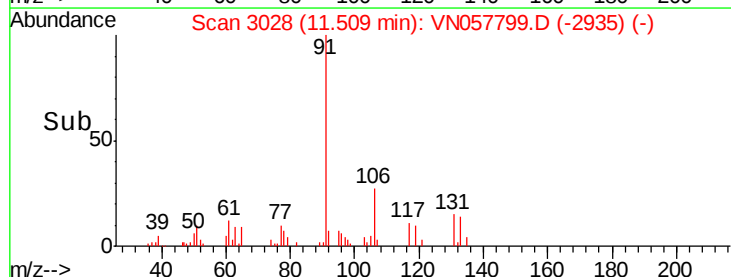
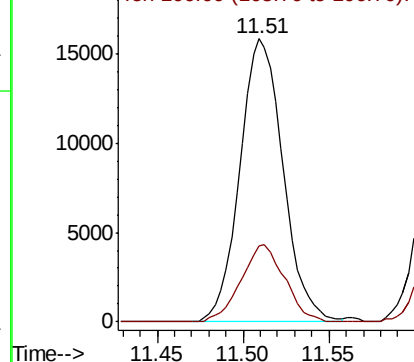
Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.7	24.4	36.6

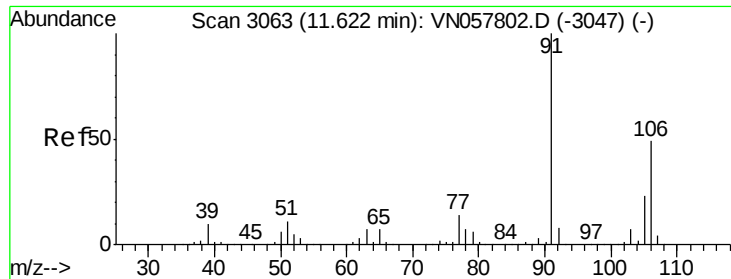


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





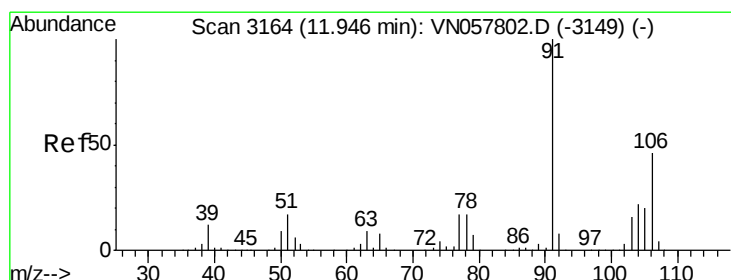
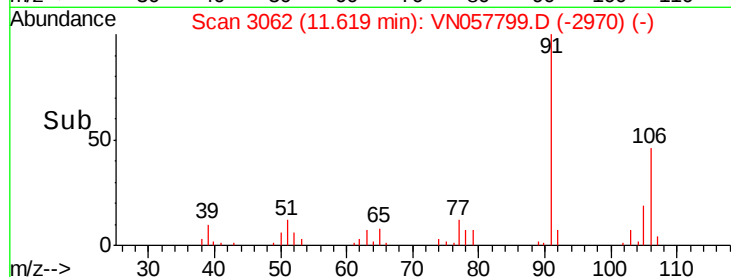
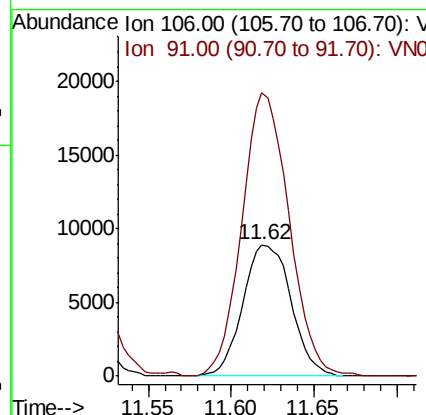
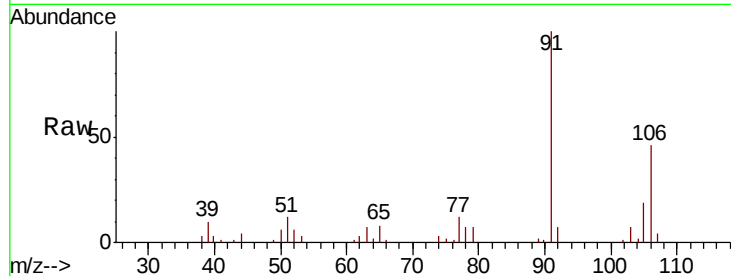
#68
m/p-Xylenes
Concen: 2.133 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 18019
Ion Ratio Lower Upper
106 100
91 211.3 165.8 248.6

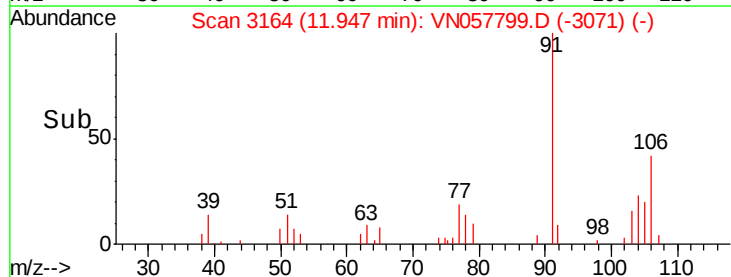
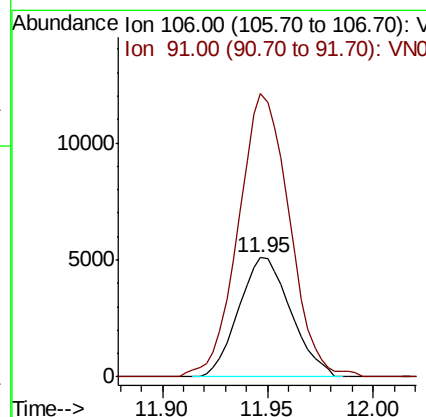
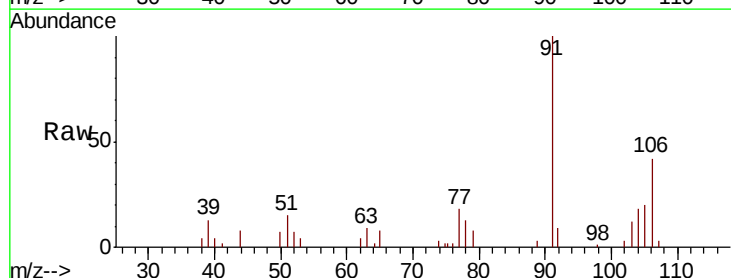
Manual Integrations
APPROVED

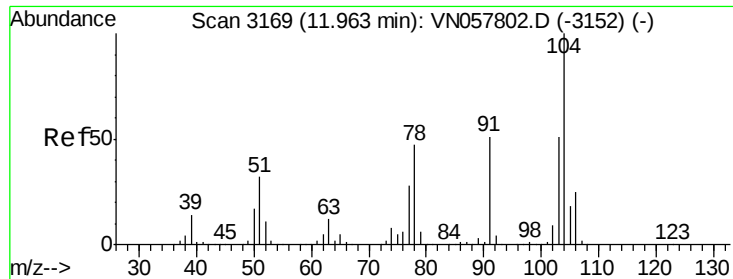
MMDadoda
9/10/2019 4:29:50 PM



#69
o-Xylene
Concen: 1.044 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion:106 Resp: 8769
Ion Ratio Lower Upper
106 100
91 232.1 108.7 326.1





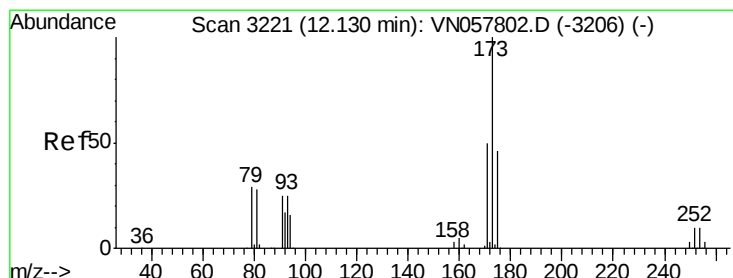
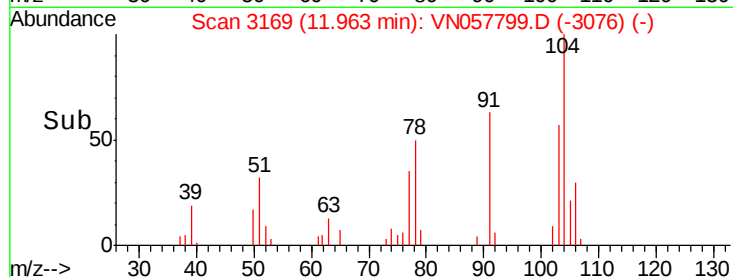
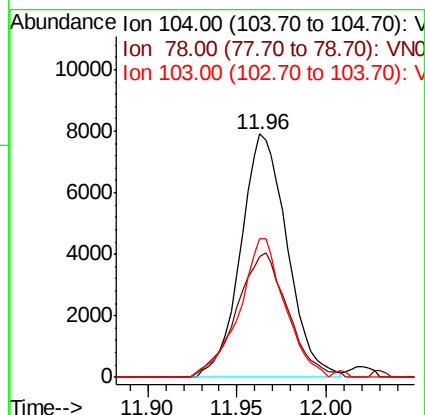
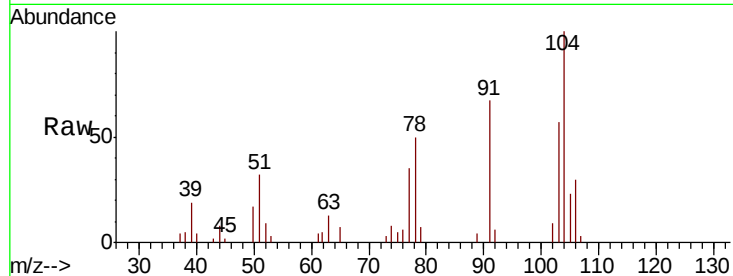
#70
Stvrene
Concen: 0.984 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	41.3	61.9
103	56.1	43.7	65.5

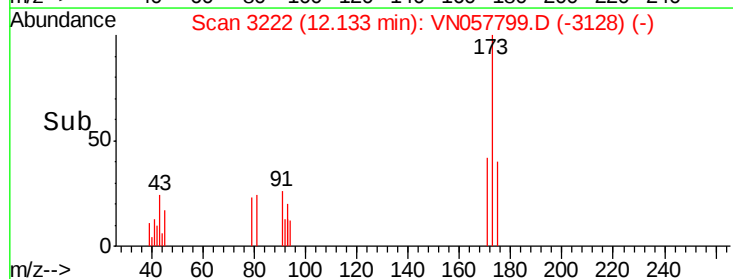
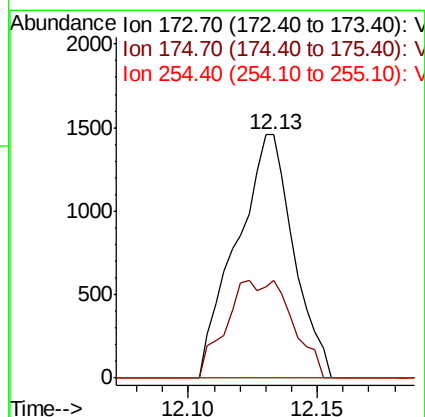
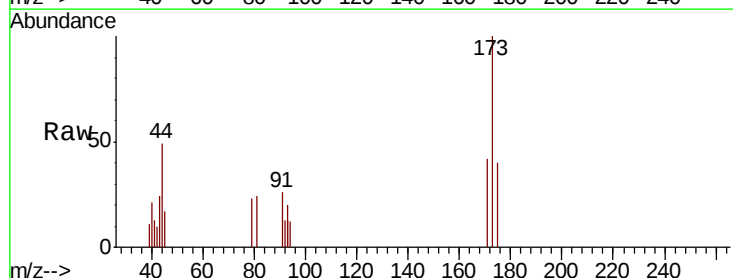
Manual Integrations
APPROVED

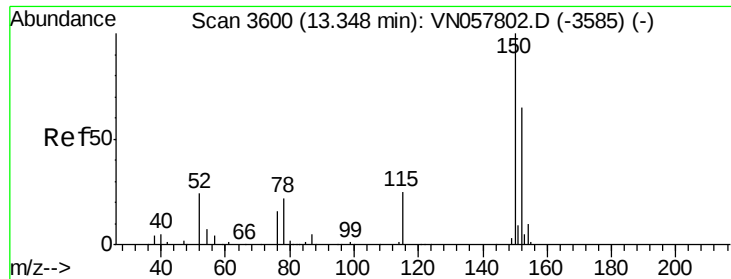
MMDadoda
9/10/2019 4:29:50 PM



#71
Bromoform
Concen: 0.785 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	23.7	23.5	70.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 251216

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

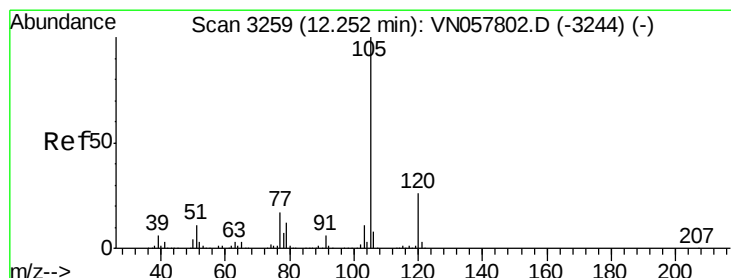
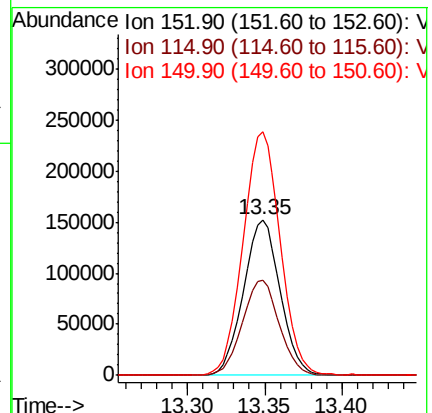
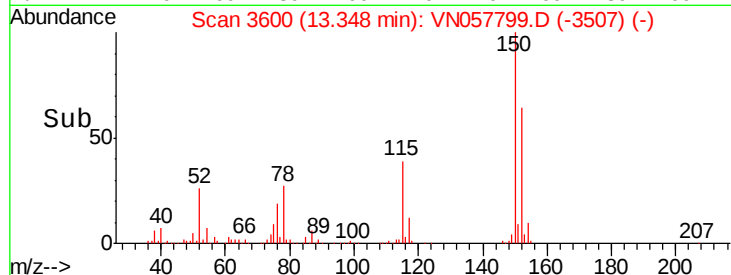
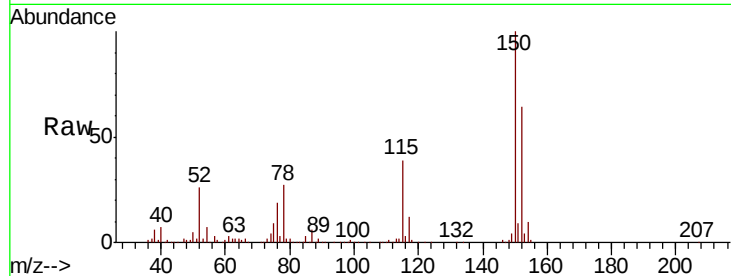
150 157.7 0.0 352.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:29:50 PM



#73

Isopropylbenzene

Concen: 1.047 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057799.D

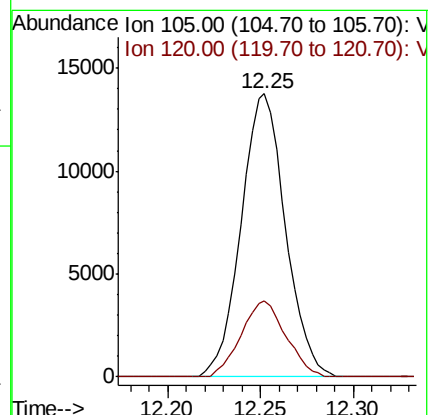
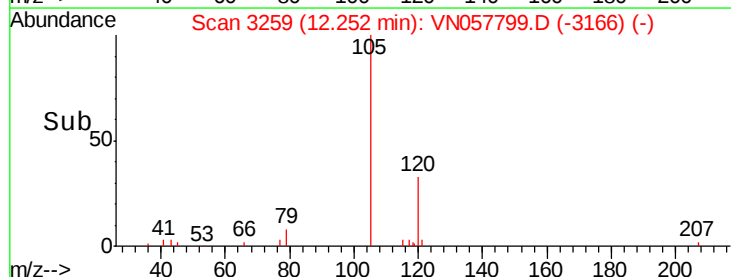
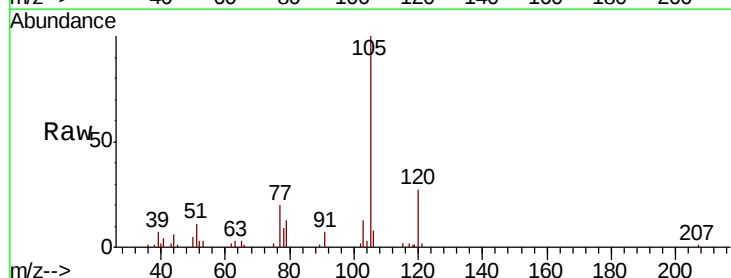
Acq: 9 Sep 2019 14:42

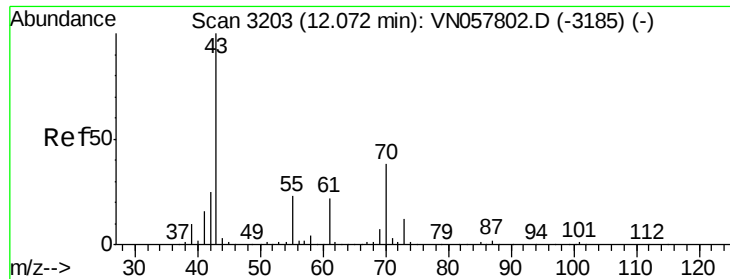
Tgt Ion:105 Resp: 22793

Ion Ratio Lower Upper

105 100

120 26.9 12.8 38.4





#74

N-amvl acetate

Concen: 0.840 ug/l m

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

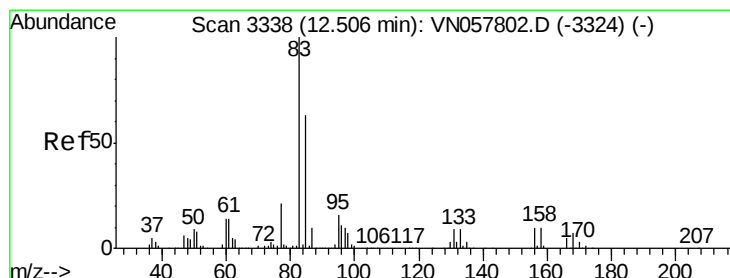
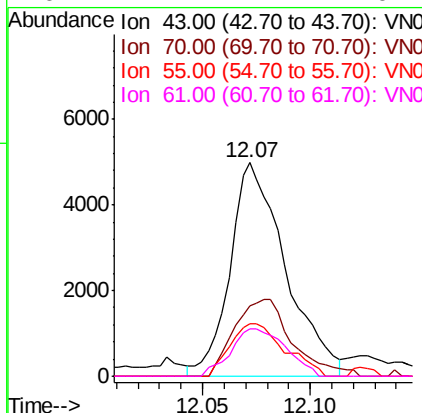
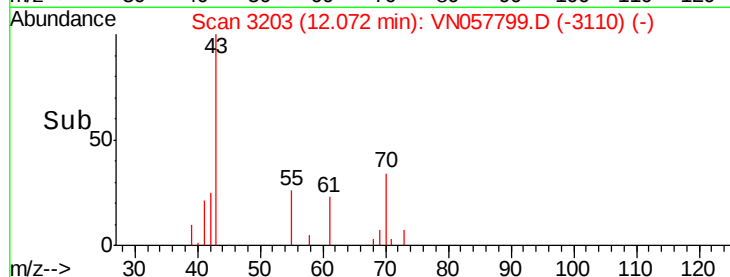
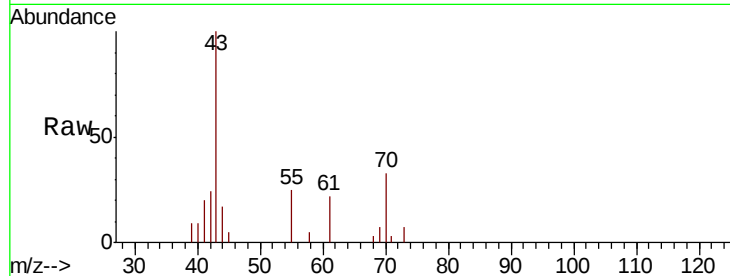
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	8972
Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.6	45.8
55	24.1	18.6	27.8
61	22.1	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.193 ug/l

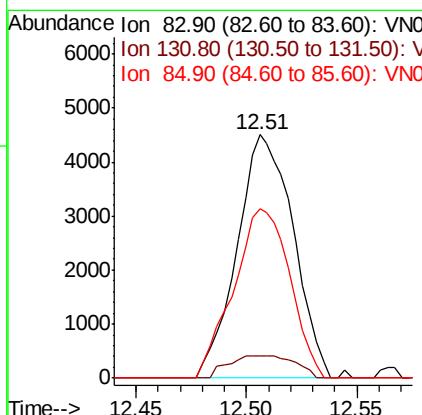
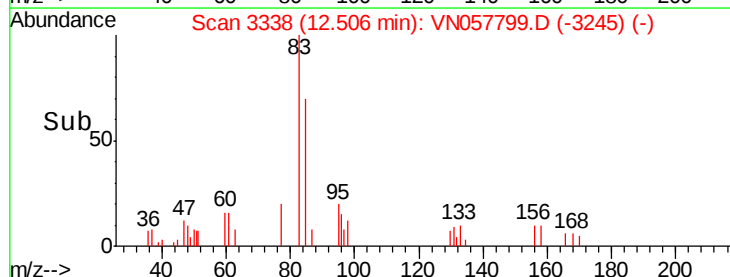
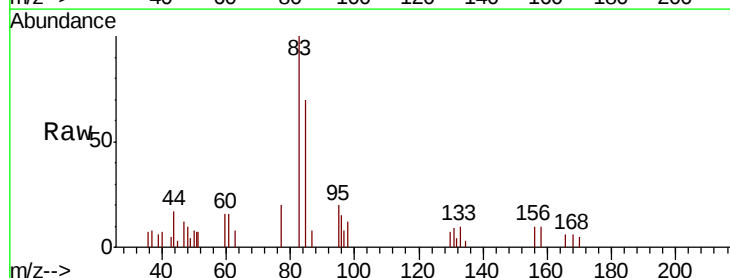
RT: 12.51 min Scan# 3338

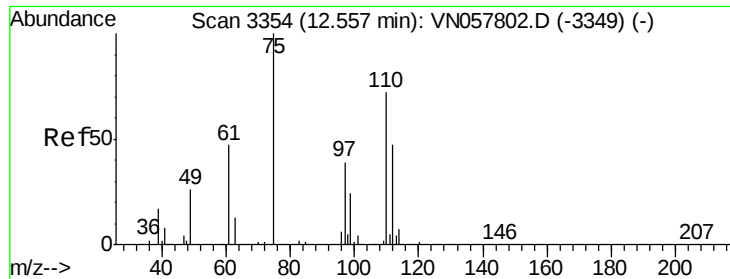
Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion:	83	Resp:	7921
Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.8	14.3
85	69.7	31.6	94.7





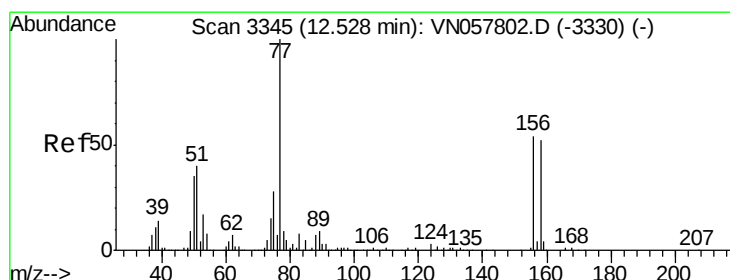
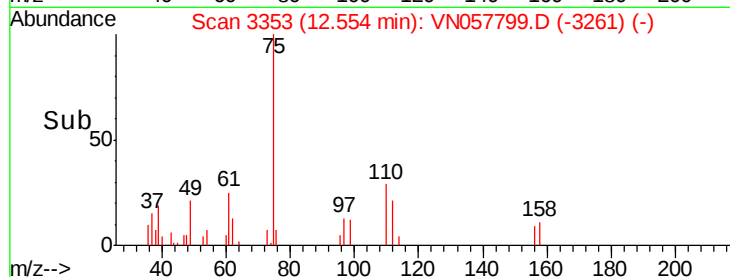
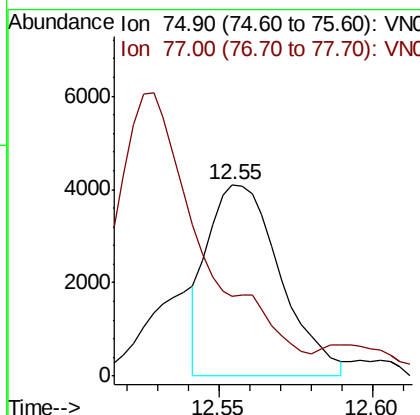
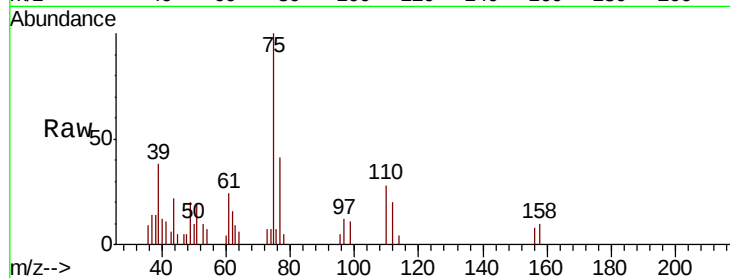
#76
 1,2,3-Trichloropropane
 Concen: 1.170 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 6699
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

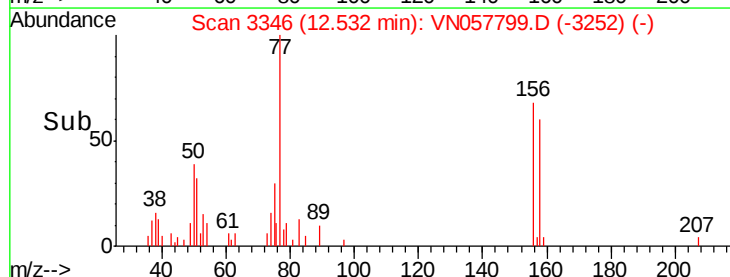
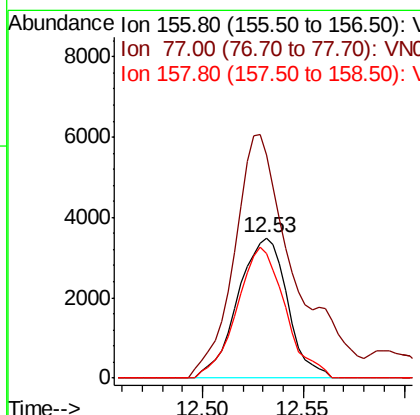
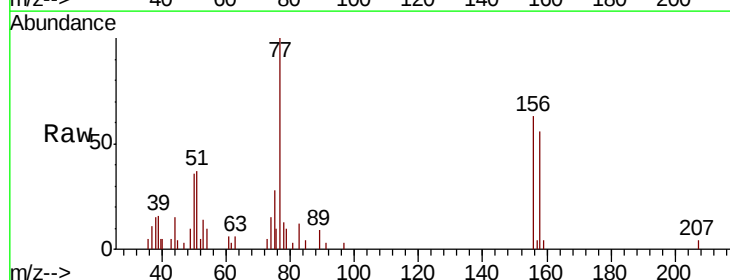
Manual Integrations
 APPROVED

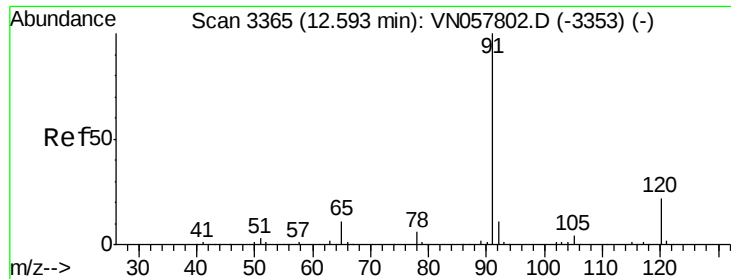
MMDadoda
 9/10/2019 4:29:50 PM



#77
 Bromobenzene
 Concen: 1.260 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion: 156 Resp: 6025
 Ion Ratio Lower Upper
 156 100
 77 208.5 113.7 341.1
 158 90.6 48.5 145.6





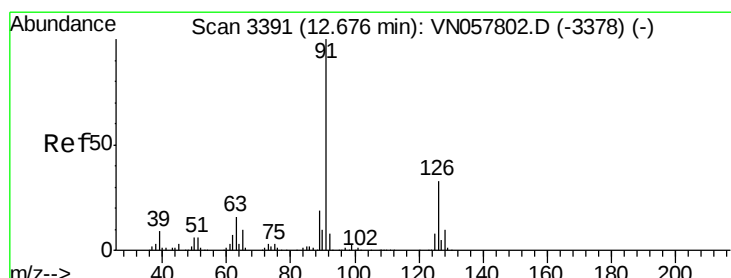
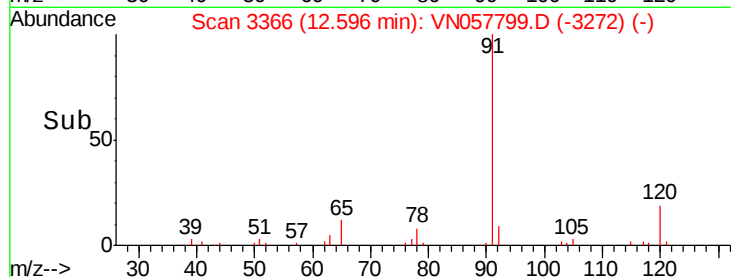
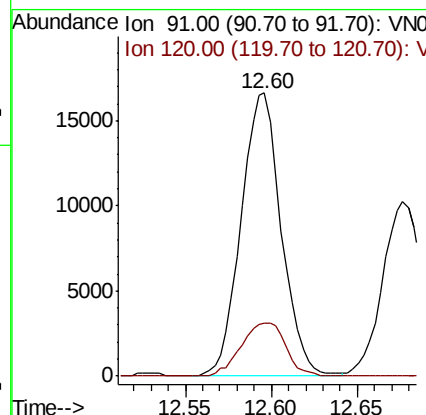
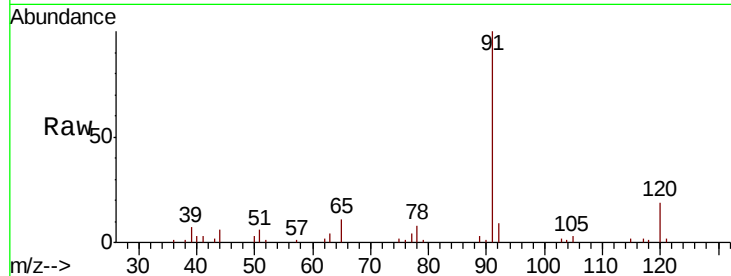
#78
n-propylbenzene
Concen: 1.048 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 26970
Ion Ratio Lower Upper
91 100
120 20.7 11.1 33.1

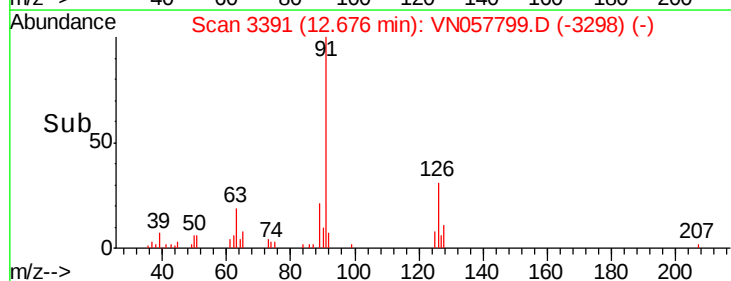
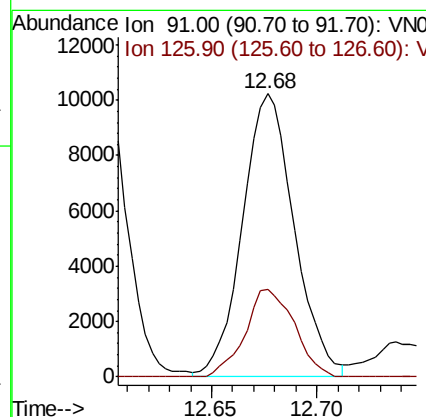
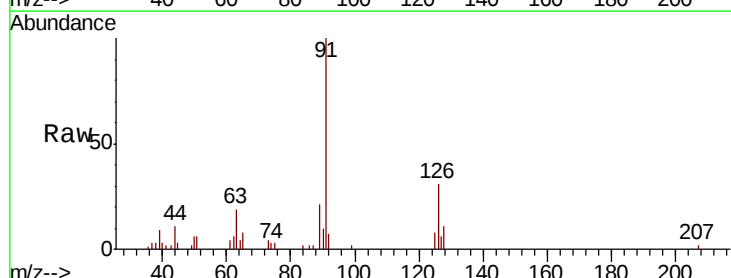
Manual Integrations
APPROVED

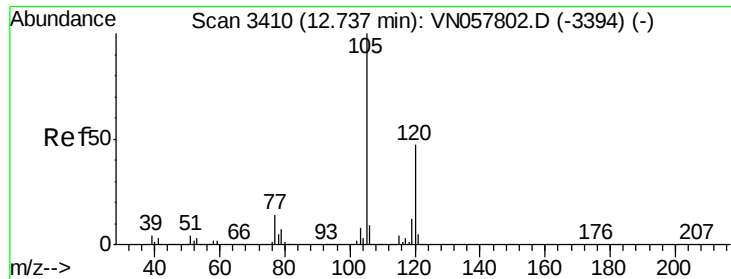
MMDadoda
9/10/2019 4:29:50 PM



#79
2-Chlorotoluene
Concen: 1.113 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion: 91 Resp: 17473
Ion Ratio Lower Upper
91 100
126 29.3 16.4 49.2





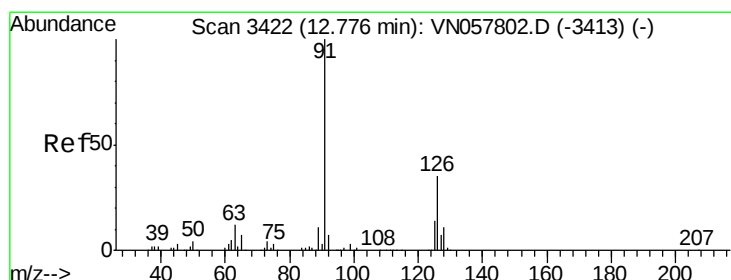
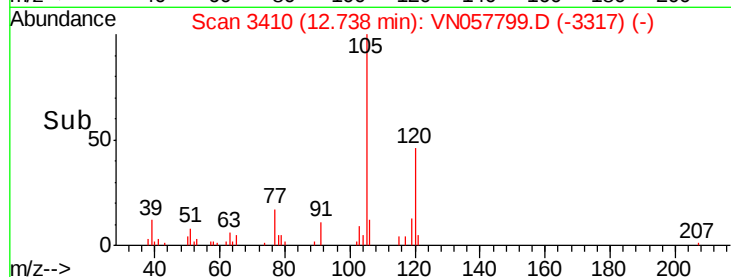
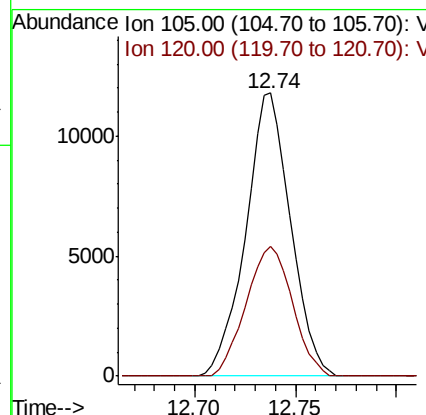
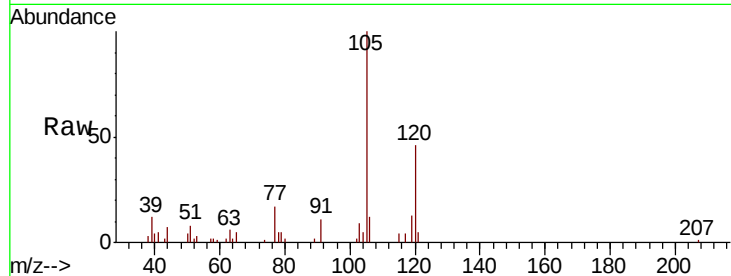
#80
 1,3,5-Trimethylbenzene
 Concen: 0.990 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 105 Resp: 18340
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1

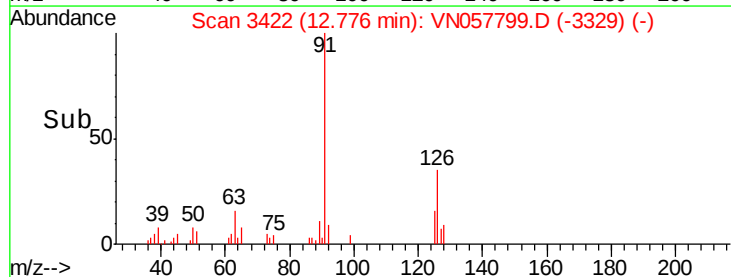
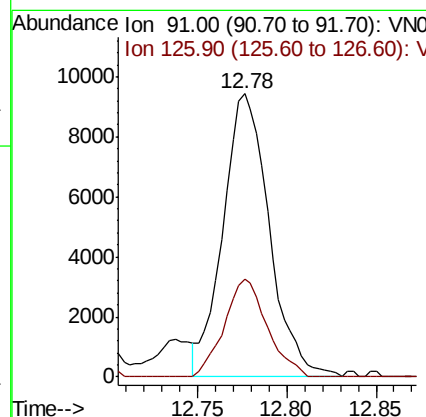
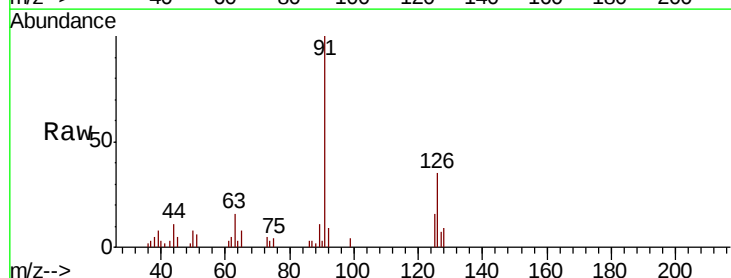
Manual Integrations
 APPROVED

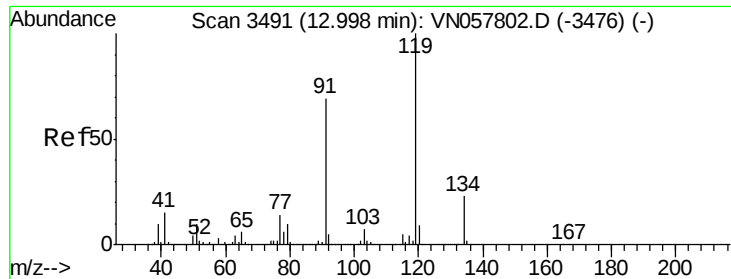
MMDadoda
 9/10/2019 4:29:50 PM



#82
 4-Chlorotoluene
 Concen: 1.051 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion: 91 Resp: 17040
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.0 48.0





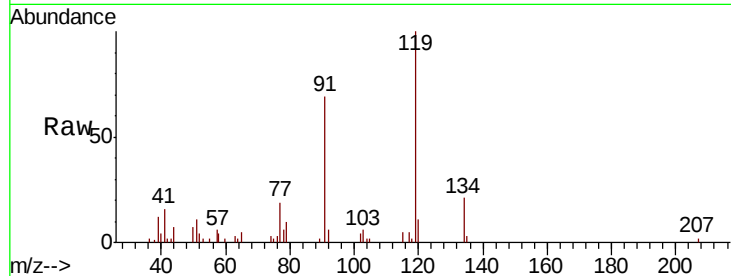
#83
tert-Butylbenzene
Concen: 1.051 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

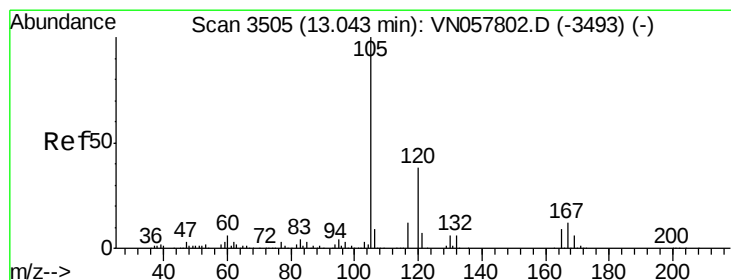
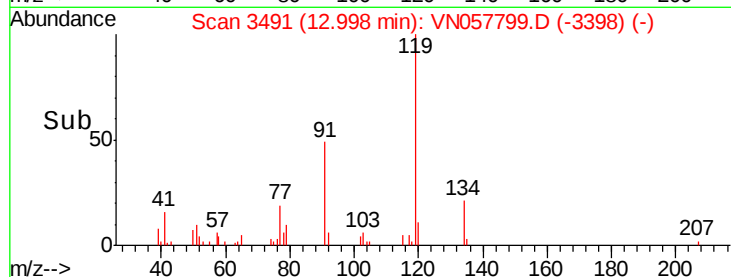
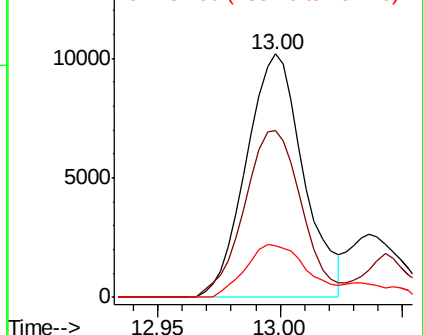
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	33.6	100.8
134	23.2	11.7	35.0

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

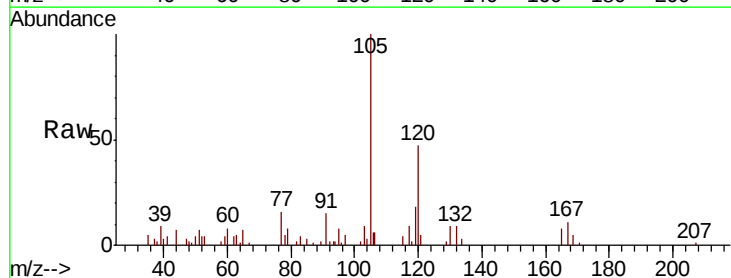


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

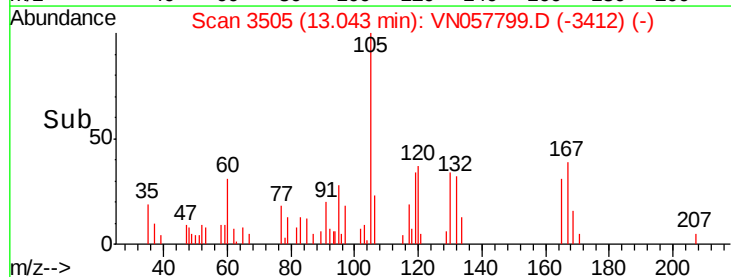
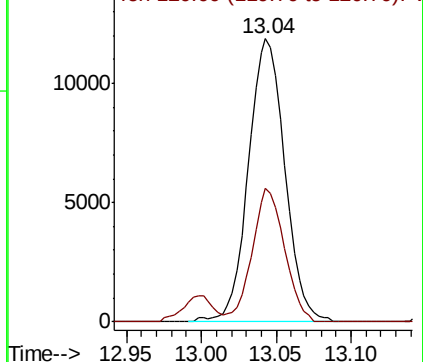


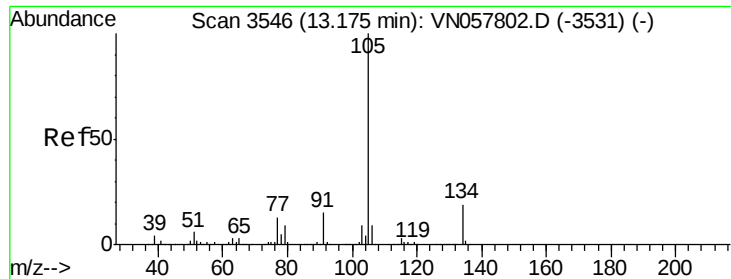
#84
1,2,4-Trimethylbenzene
Concen: 1.094 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





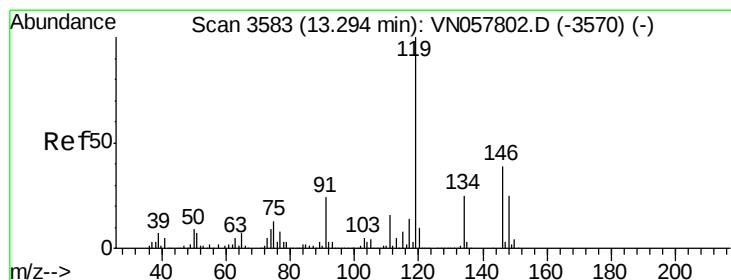
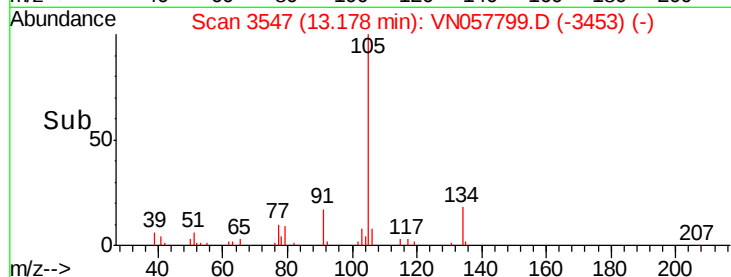
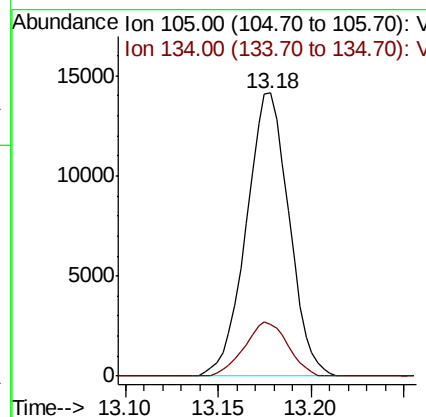
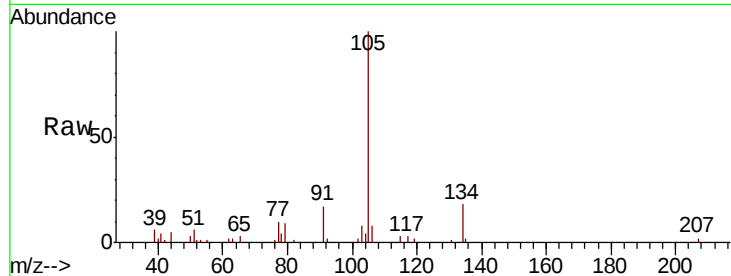
#85
 sec-Butylbenzene
 Concen: 1.049 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.6

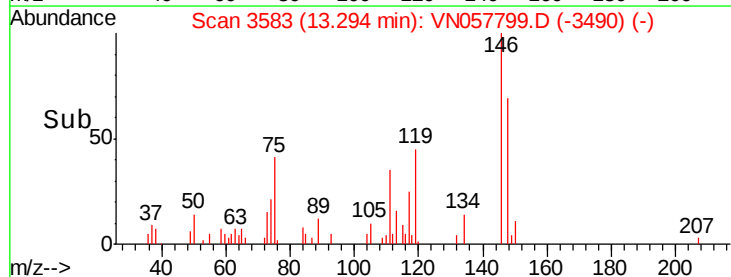
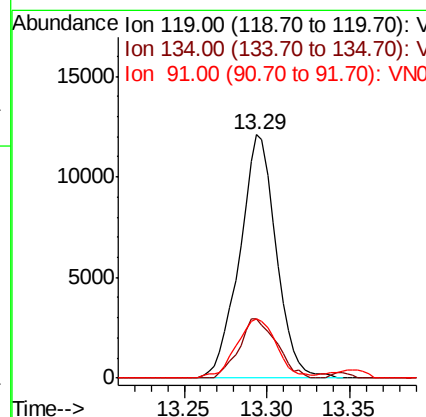
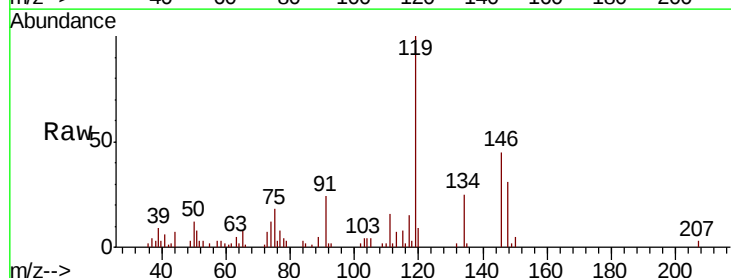
Manual Integrations
 APPROVED

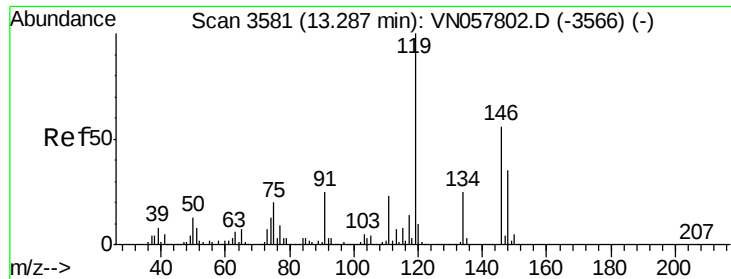
MMDadoda
 9/10/2019 4:29:50 PM



#86
 p-Isopropyltoluene
 Concen: 1.004 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	26.6	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 1.118 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

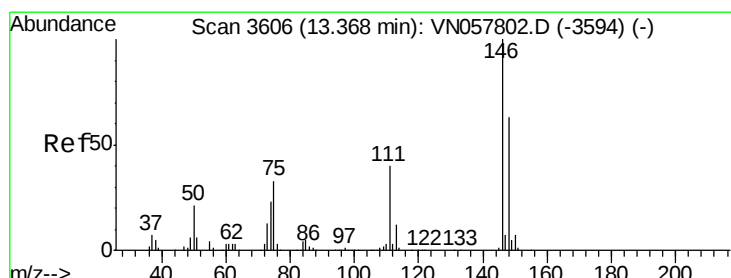
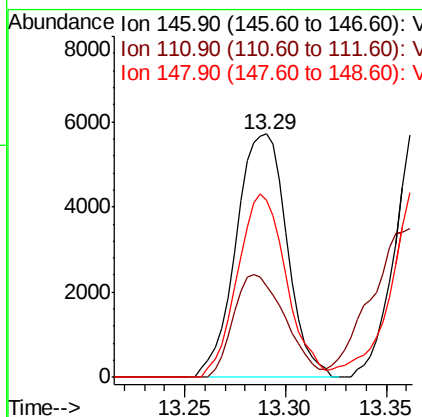
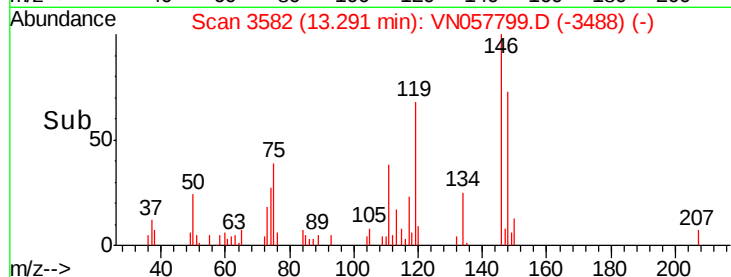
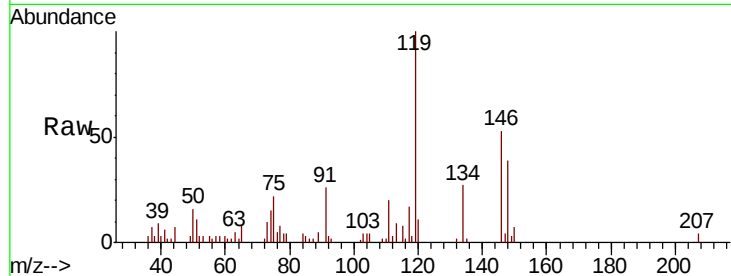
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.5	61.6
148	72.2	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#88

1,4-Dichlorobenzene

Concen: 1.247 ug/l m

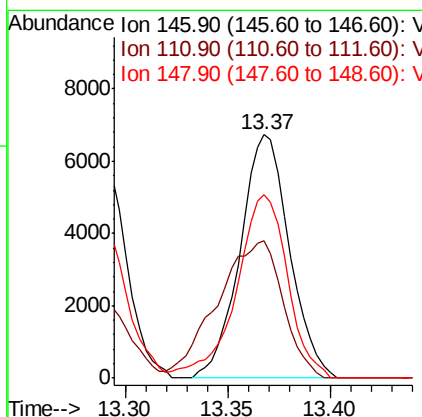
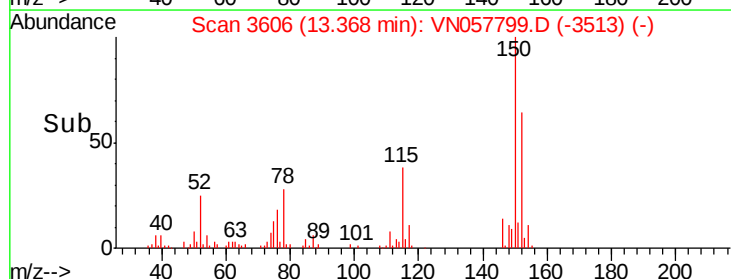
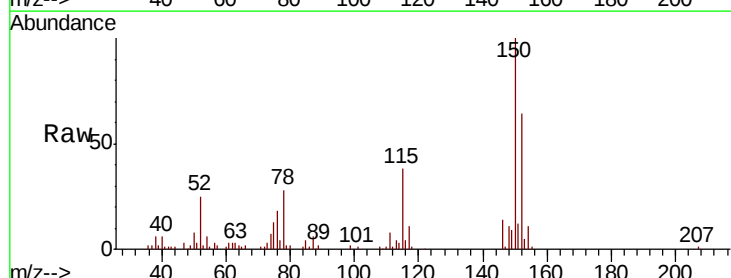
RT: 13.37 min Scan# 3606

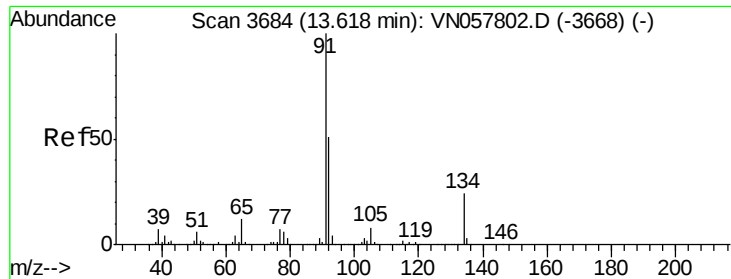
Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.4	61.2
148	64.7	31.8	95.4





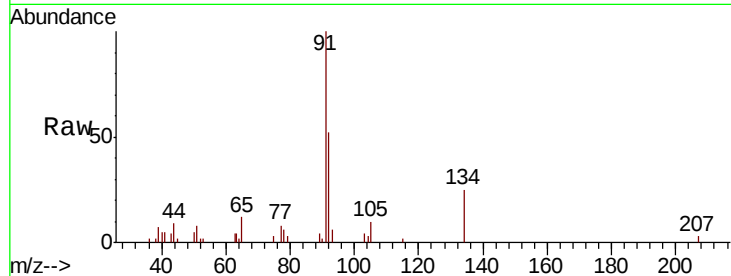
#89
n-Butylbenzene
Concen: 0.974 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	25.7	77.0
134	26.6	11.9	35.7

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM

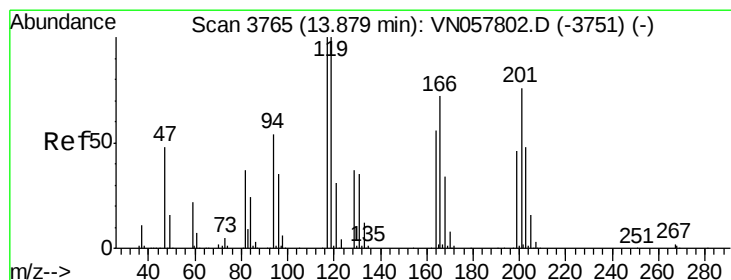
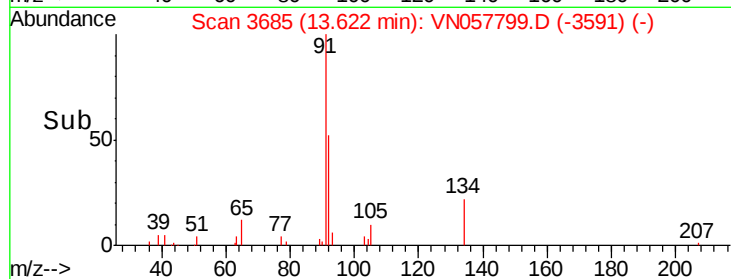
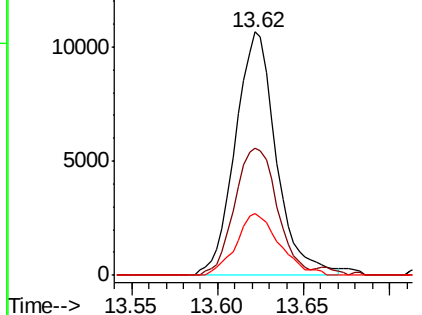


Abundance

Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

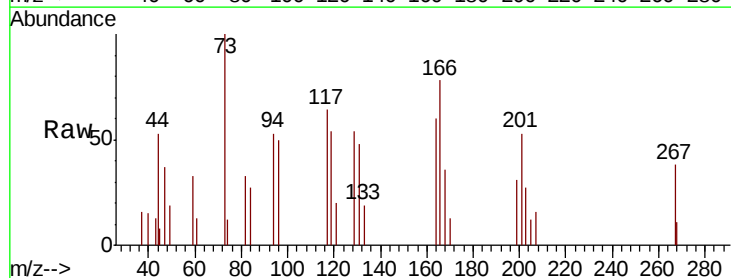
Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90
Hexachloroethane
Concen: 0.807 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057799.D
Acq: 9 Sep 2019 14:42

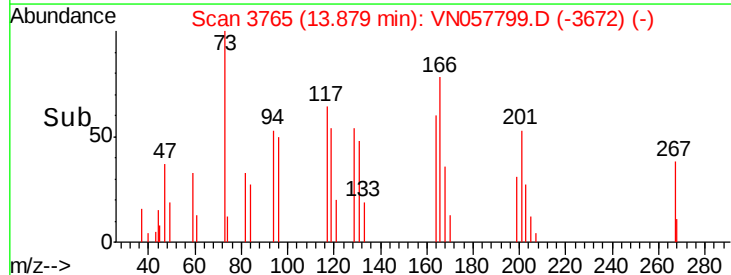
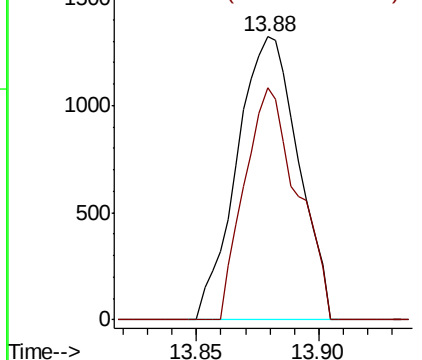
Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	37.5	112.7

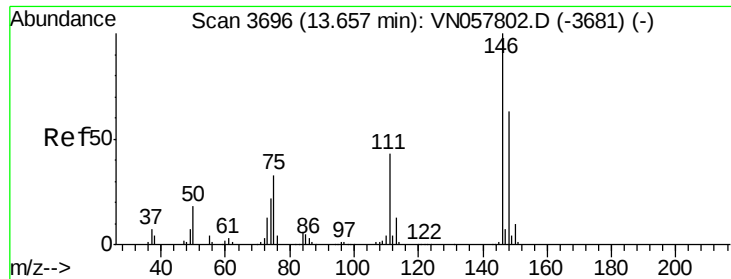


Abundance

Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)





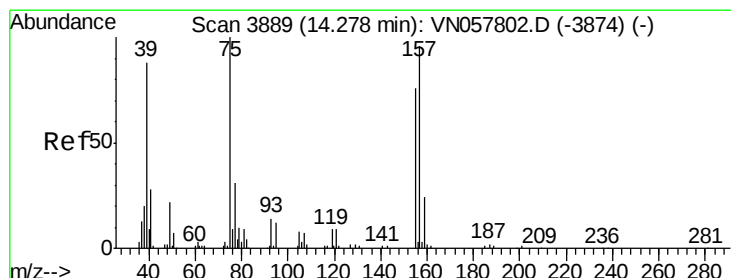
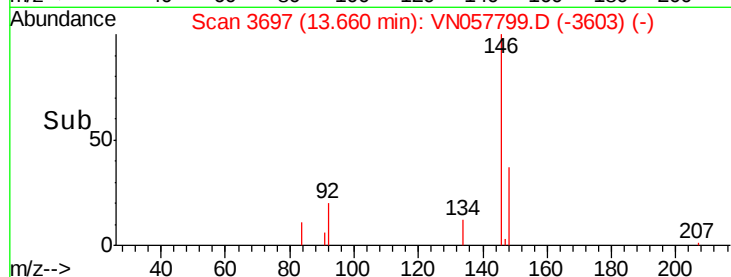
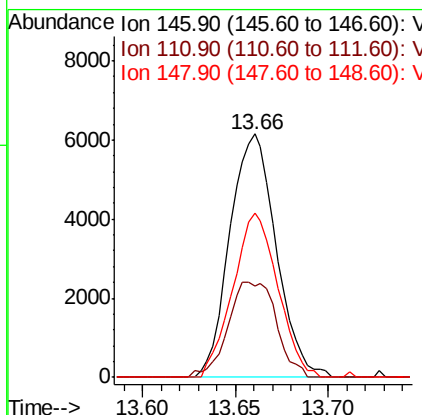
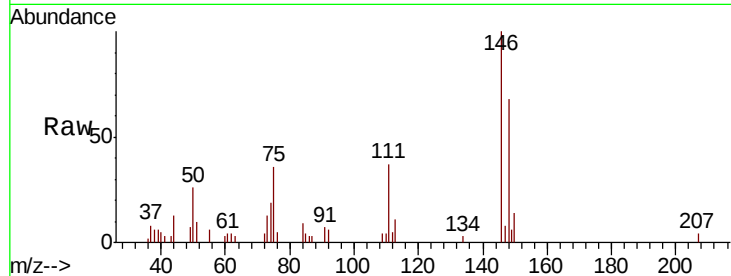
#91
 1,2-Dichlorobenzene
 Concen: 1.203 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.9
148	65.5	31.4	94.3

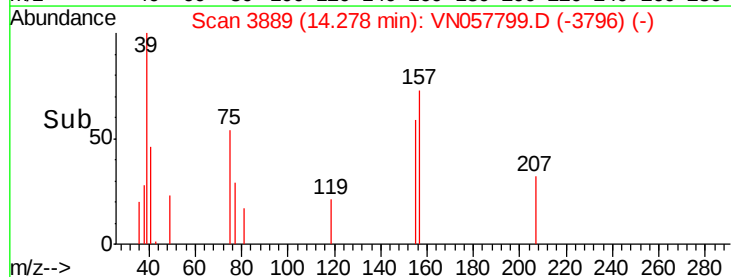
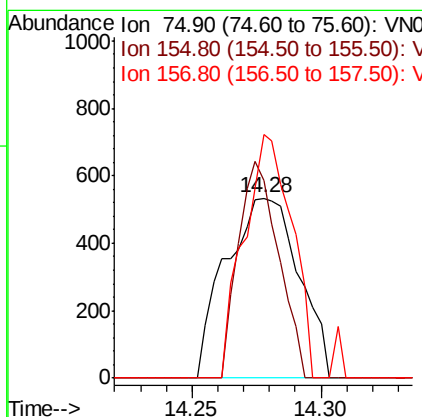
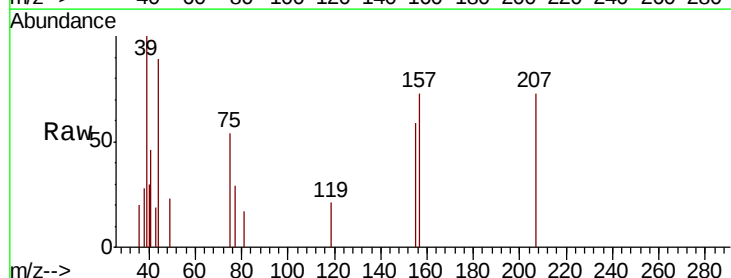
Manual Integrations
 APPROVED

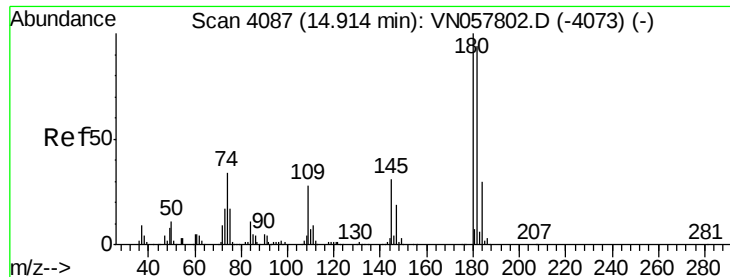
MMDadoda
 9/10/2019 4:29:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.825 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.4	37.3	111.8
157	89.0	47.9	143.8





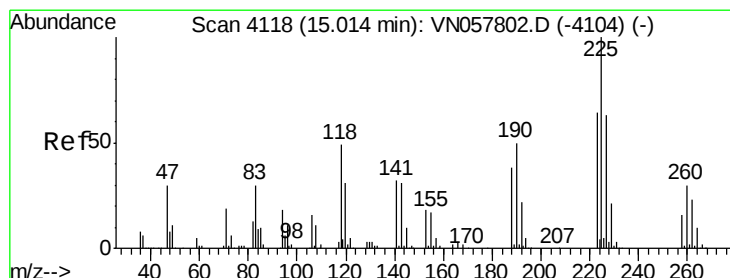
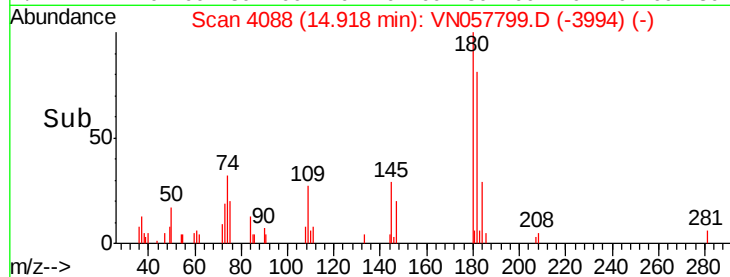
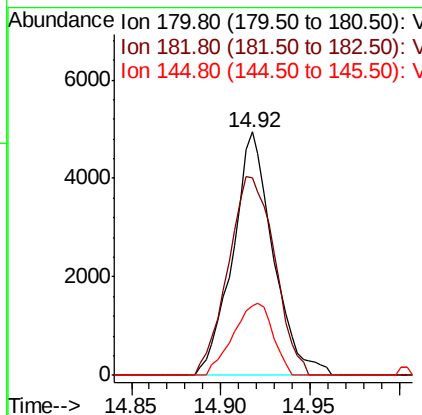
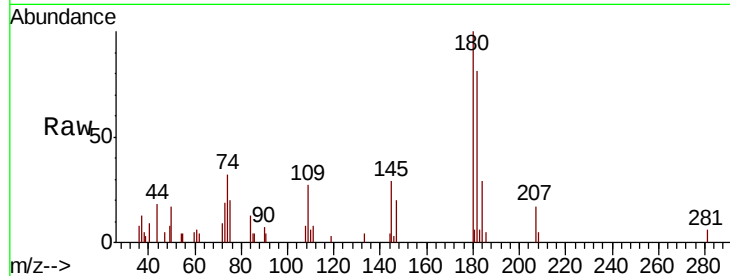
#93
 1,2,4-Trichlorobenzene
 Concen: 1.476 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	29.0	14.9	44.7

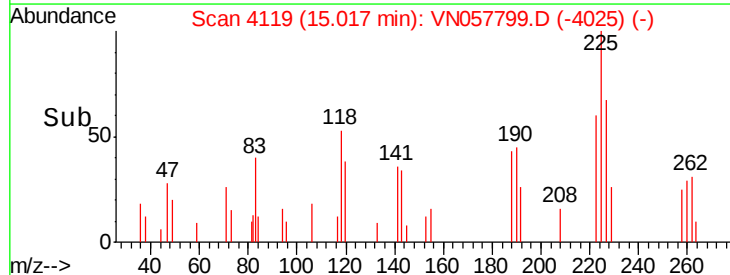
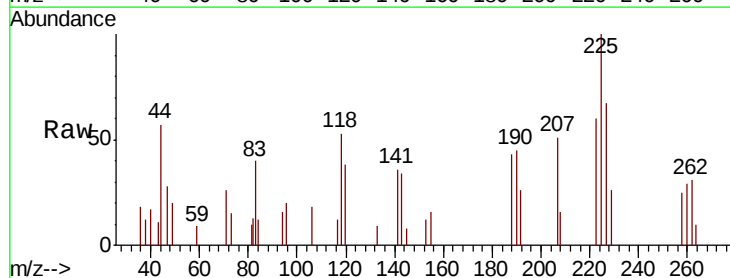
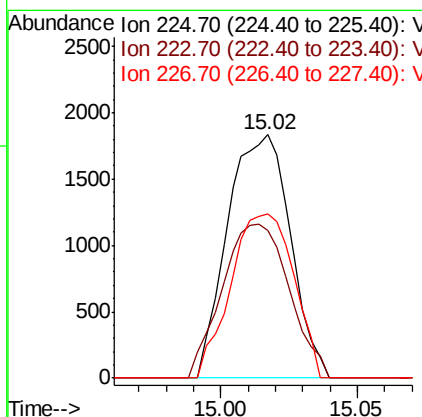
Manual Integrations
 APPROVED

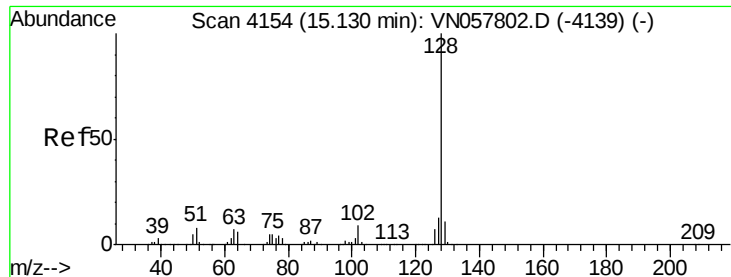
MMDadoda
 9/10/2019 4:29:50 PM



#94
 Hexachlorobutadiene
 Concen: 1.152 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057799.D
 Acq: 9 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.4	97.2
227	67.8	31.8	95.4





#95

Naphthalene

Concen: 1.582 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Instrument :

MSVOA_N

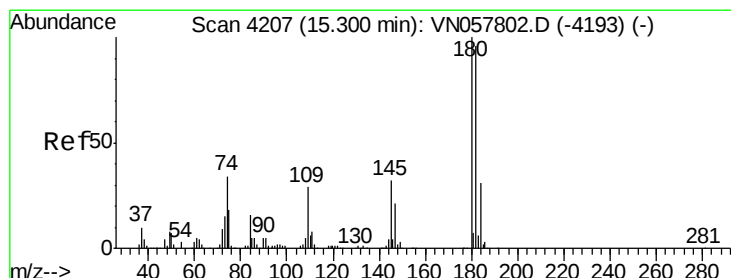
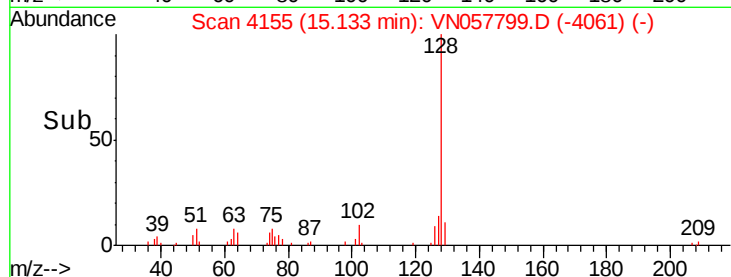
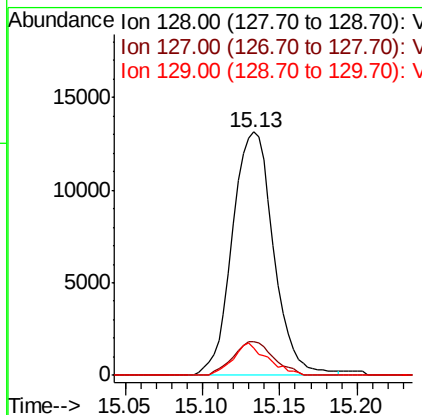
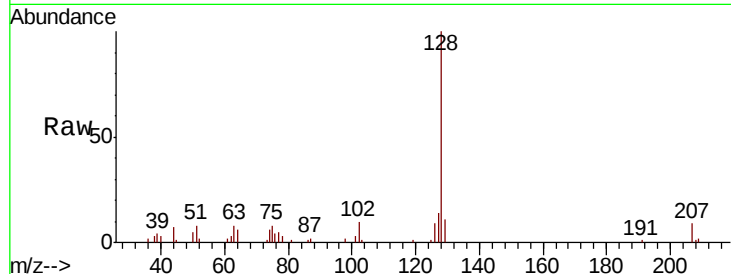
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	24356
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:29:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 1.658 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057799.D

Acq: 9 Sep 2019 14:42

Tgt Ion:	180	Resp:	8401
Ion Ratio	Lower	Upper	
180	100		
182	90.2	48.3	144.8
145	32.6	16.3	48.8

