

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058799.D
 Acq On : 16 Oct 2019 14:20
 Operator : JC/SP
 Sample : VN1016WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:27 AM

Quant Time: Oct 17 08:18:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	377508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	614693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	564581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	266896	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.57	113	193457	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.09	98	739552	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.41	95	272002	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	99338	21.128	ug/l	99
3) Chloromethane	2.04	50	112833	20.182	ug/l	100
4) Vinyl Chloride	2.17	62	114769	20.611	ug/l	99
5) Bromomethane	2.55	94	71700	21.167	ug/l	99
6) Chloroethane	2.68	64	73184	21.308	ug/l	99
7) Trichlorofluoromethane	3.00	101	143589	21.547	ug/l	100
8) Diethyl Ether	3.39	74	51257	20.817	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77823	20.481	ug/l	99
10) Methyl Iodide	3.93	142	105106	20.270	ug/l	99
11) Tert butyl alcohol	4.76	59	90164	105.341	ug/l	98
12) 1,1-Dichloroethene	3.72	96	76520	21.106	ug/l	98
13) Acrolein	3.58	56	47814	69.459	ug/l	96
14) Allyl chloride	4.30	41	152295	20.816	ug/l	99
15) Acrylonitrile	4.96	53	235021	108.882	ug/l	99
16) Acetone	3.79	43	227182	103.832	ug/l	98
17) Carbon Disulfide	4.03	76	230019	19.848	ug/l	99
18) Methyl Acetate	4.30	43	125181	22.555	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275369	21.271	ug/l	97
20) Methylene Chloride	4.53	84	92690	20.270	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	83248	20.528	ug/l	99
22) Diisopropyl ether	5.93	45	306242	21.528	ug/l	97
23) Vinyl Acetate	5.87	43	1282101	111.696	ug/l	99
24) 1,1-Dichloroethane	5.83	63	173481	21.413	ug/l	99
25) 2-Butanone	6.82	43	331445	104.805	ug/l	100
26) 2,2-Dichloropropane	6.80	77	142511	19.270	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98001	20.724	ug/l	97
28) Bromochloromethane	7.18	49	59217	21.010	ug/l	99
29) Tetrahydrofuran	7.19	42	218181	106.758	ug/l	100
30) Chloroform	7.35	83	171206	21.033	ug/l	99
31) Cyclohexane	7.64	56	153940	19.858	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	149472	21.532	ug/l	99
36) 1,1-Dichloropropene	7.78	75	126935	20.424	ug/l	99
37) Ethyl Acetate	6.91	43	142026	22.596	ug/l	99
38) Carbon Tetrachloride	7.76	117	128260	21.175	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058799.D
 Acq On : 16 Oct 2019 14:20
 Operator : JC/SP
 Sample : VN1016WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1016WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:27 AM

Quant Time: Oct 17 08:18:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	140716	19.512	ug/l	96
40) Benzene	8.02	78	371919	20.837	ug/l	99
41) Methacrylonitrile	7.16	41	62650m	21.293	ug/l	
42) 1,2-Dichloroethane	8.11	62	145831	21.266	ug/l	99
43) Isopropyl Acetate	8.15	43	221781	20.713	ug/l	99
44) Trichloroethene	8.82	130	91107	20.554	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100575	21.048	ug/l	99
46) Dibromomethane	9.20	93	64039	21.139	ug/l	99
47) Bromodichloromethane	9.39	83	135139	21.906	ug/l	100
48) Methyl methacrylate	9.19	41	101973	21.010	ug/l	99
49) 1,4-Dioxane	9.19	88	32412	431.655	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	690100	114.759	ug/l	98
52) Toluene	10.15	92	225987	20.700	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	146923	20.765	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	154245	20.532	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	91208	20.412	ug/l	99
56) Ethyl methacrylate	10.43	69	137012	20.989	ug/l	100
57) 1,3-Dichloropropane	10.71	76	159385	20.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	323949	102.975	ug/l	99
59) 2-Hexanone	10.75	43	506815	109.058	ug/l	98
60) Dibromochloromethane	10.90	129	95577	20.736	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93025	20.781	ug/l	100
64) Tetrachloroethene	10.63	164	81027	20.507	ug/l	95
65) Chlorobenzene	11.43	112	239273	20.869	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89560	21.124	ug/l	99
67) Ethyl Benzene	11.51	91	431764	21.126	ug/l	100
68) m/p-Xylenes	11.62	106	317243	41.362	ug/l	98
69) o-Xylene	11.95	106	151389	20.401	ug/l	100
70) Styrene	11.97	104	246024	20.228	ug/l	98
71) Bromoform	12.13	173	66278	21.328	ug/l #	97
73) Isopropylbenzene	12.25	105	413746	21.375	ug/l	100
74) N-amyl acetate	12.07	43	183515	21.109	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	138908	21.784	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	125595m	21.421	ug/l	
77) Bromobenzene	12.53	156	99328	21.097	ug/l	99
78) n-propylbenzene	12.59	91	491642	21.798	ug/l	100
79) 2-Chlorotoluene	12.68	91	290354	20.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	350627	21.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44997	20.558	ug/l	96
82) 4-Chlorotoluene	12.78	91	300800	20.939	ug/l	99
83) tert-Butylbenzene	13.00	119	298356	21.075	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	354545	21.612	ug/l	99
85) sec-Butylbenzene	13.18	105	403040	21.606	ug/l	99
86) p-Isopropyltoluene	13.29	119	355837	20.989	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	177976	20.498	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	176797	20.027	ug/l	98
89) n-Butylbenzene	13.62	91	319980	20.412	ug/l	99
90) Hexachloroethane	13.88	117	65814	21.695	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	177309	20.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29346	19.700	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
Data File : VN058799.D
Acq On : 16 Oct 2019 14:20
Operator : JC/SP
Sample : VN1016WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM

Quant Time: Oct 17 08:18:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	99772	19.328	ug/l	98
94) Hexachlorobutadiene	15.01	225	53460	19.666	ug/l	99
95) Naphthalene	15.13	128	292264	19.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	99375	19.718	ug/l	99

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

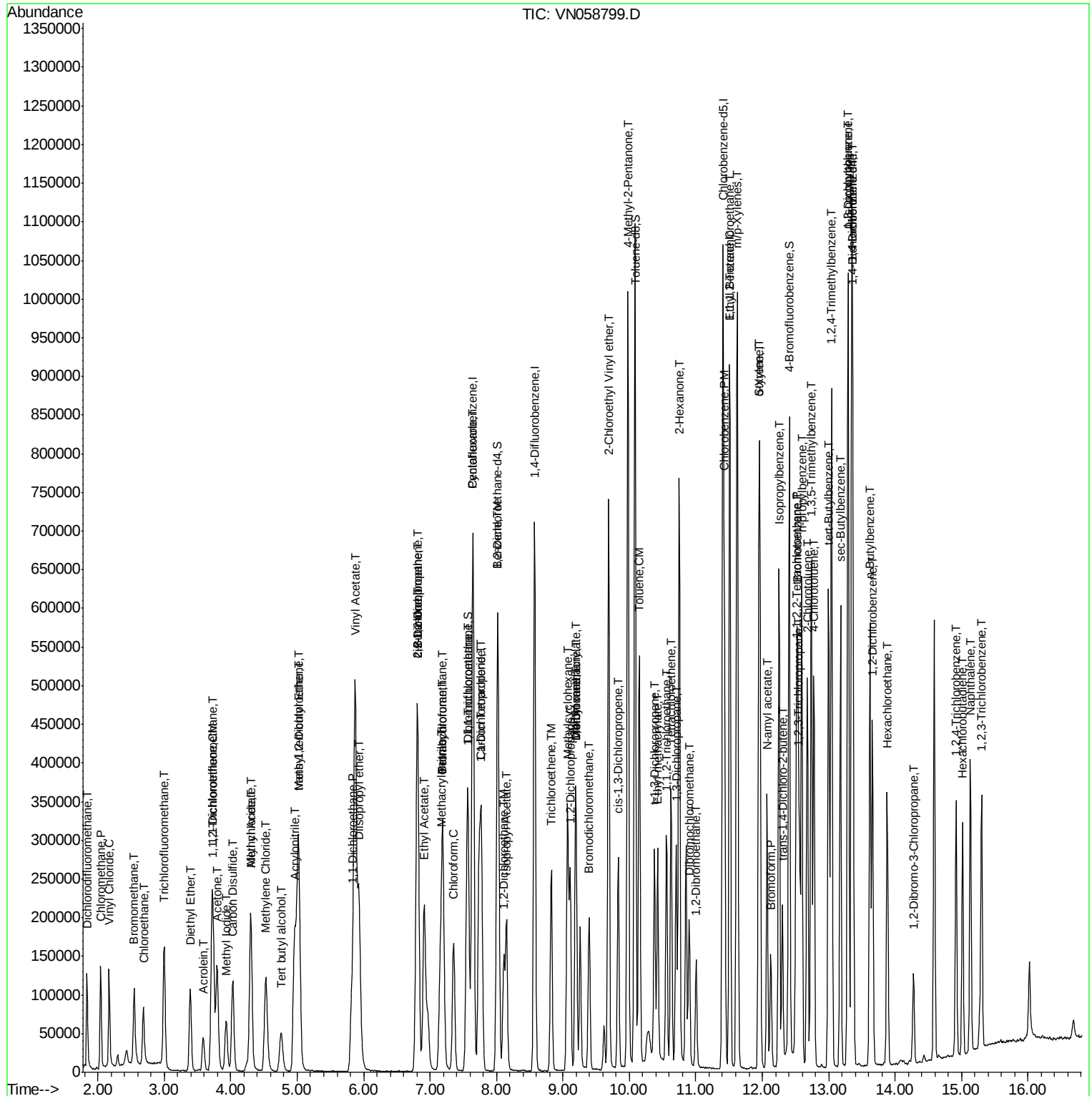
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101619\
Data File : VN058799.D
Acq On : 16 Oct 2019 14:20
Operator : JC/SP
Sample : VN1016WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

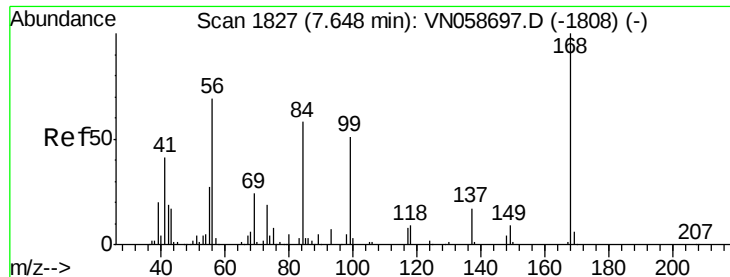
Instrument :
MSVOA_N
Client Sample Id :
VN1016WBSD01

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM

Quant Time: Oct 17 08:18:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:168 Resp: 377508

Ion Ratio Lower Upper

168 100

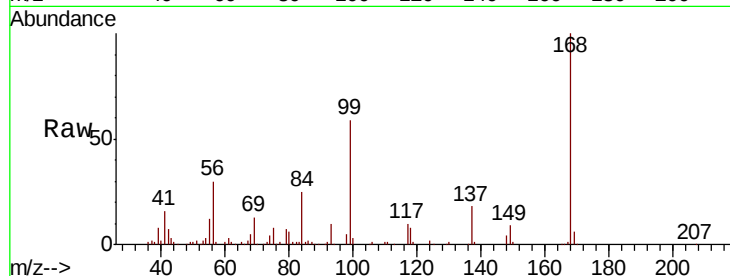
99 59.3 47.5 71.3

Manual Integrations

APPROVED

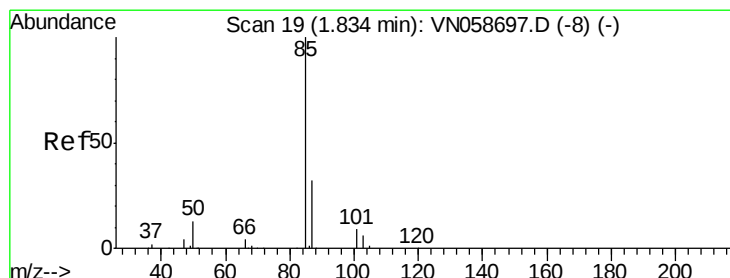
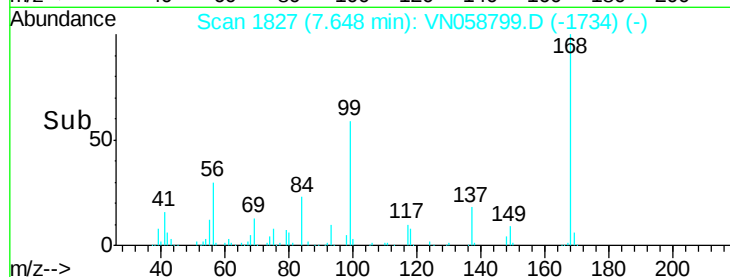
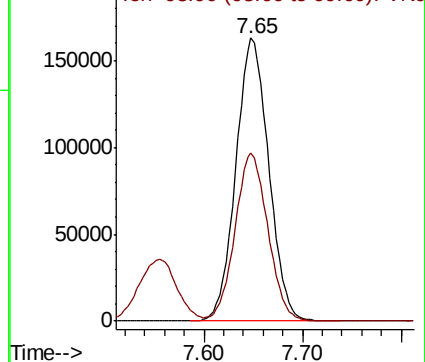
MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.128 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058799.D

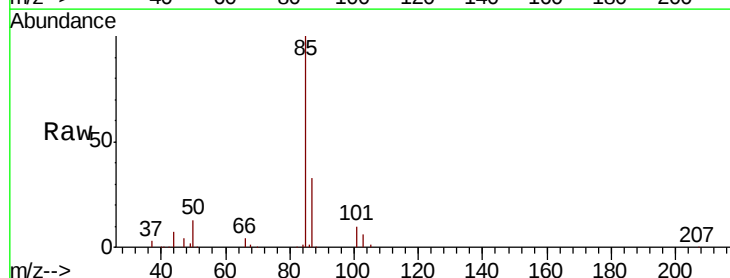
Acq: 16 Oct 2019 14:20

Tgt Ion: 85 Resp: 99338

Ion Ratio Lower Upper

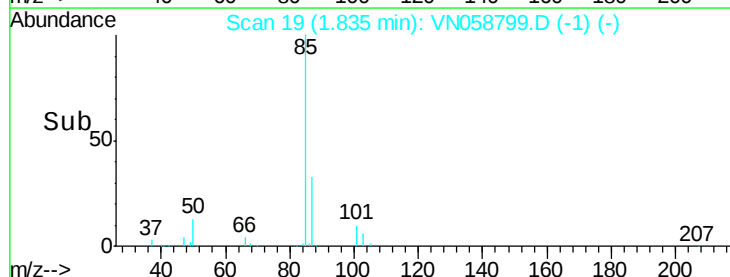
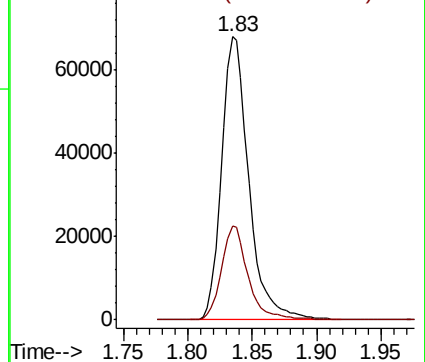
85 100

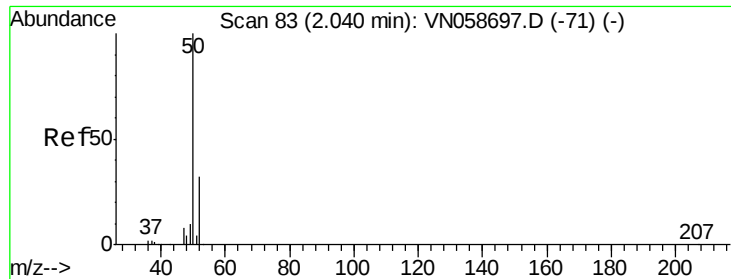
87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





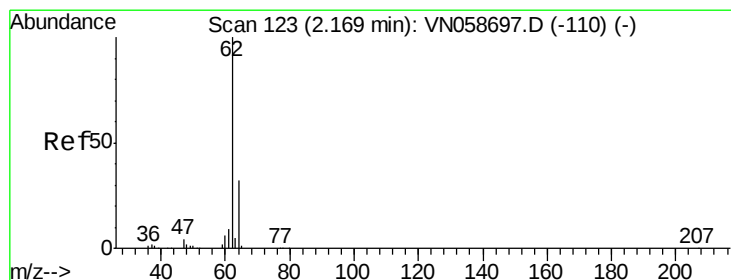
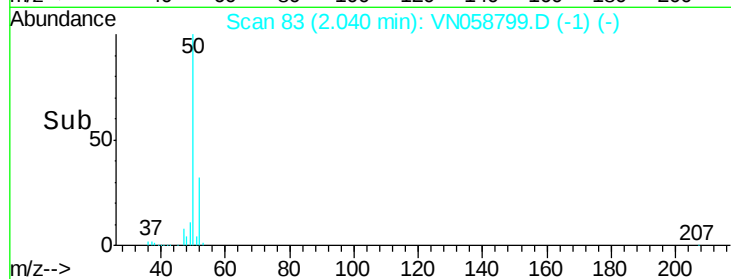
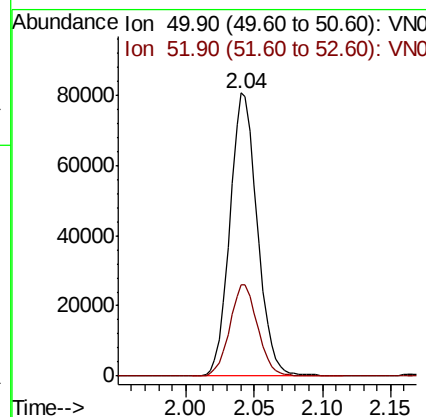
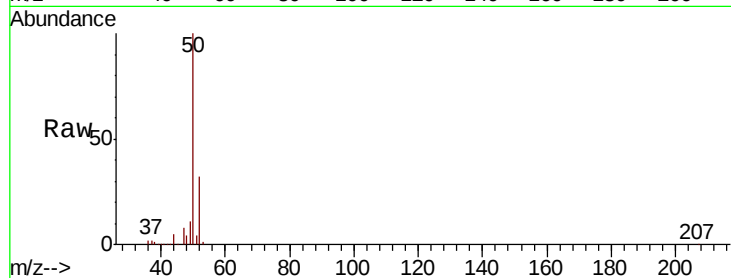
#3
Chloromethane
Concen: 20.182 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6

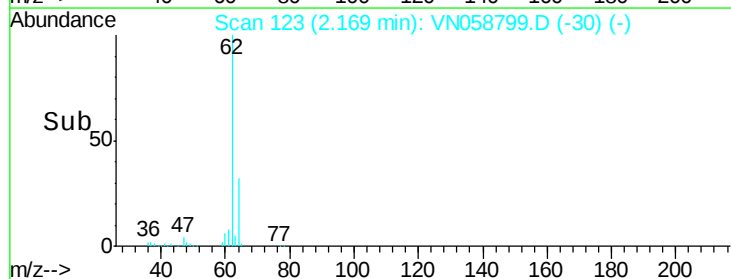
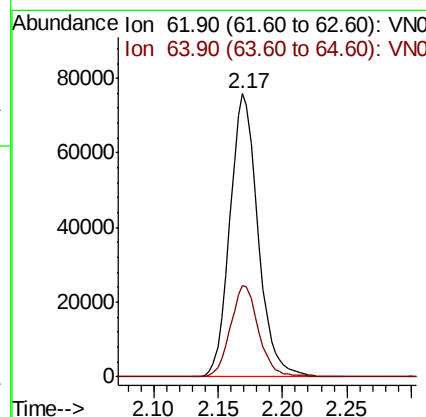
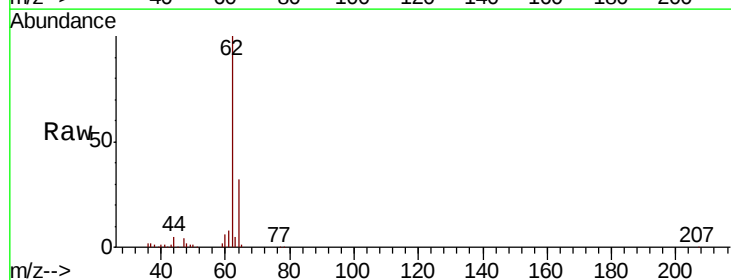
Manual Integrations
APPROVED

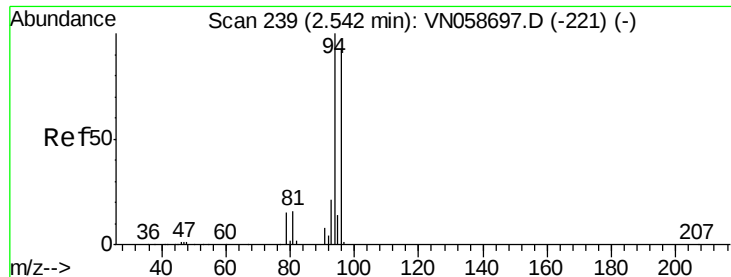
MMDadoda
10/18/2019 12:51:27 AM



#4
Vinyl Chloride
Concen: 20.611 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.3	37.9





#5

Bromomethane

Concen: 21.167 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 94 Resp: 71700

Ion Ratio Lower Upper

94 100

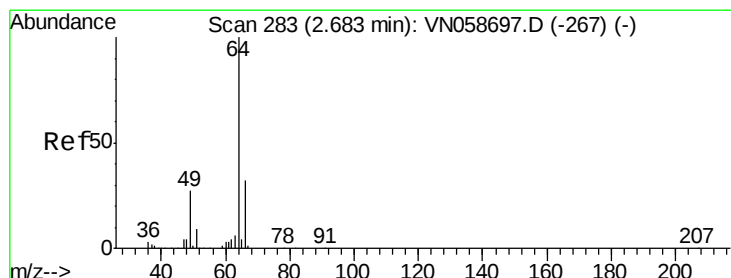
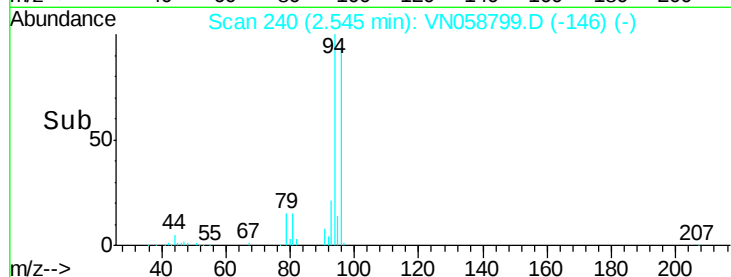
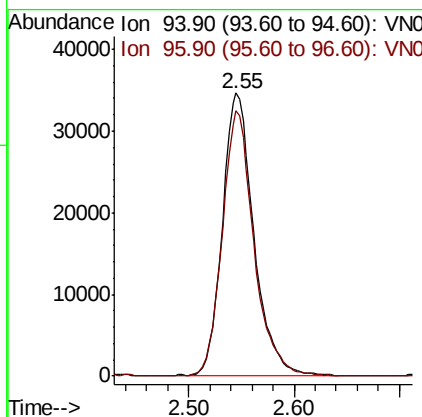
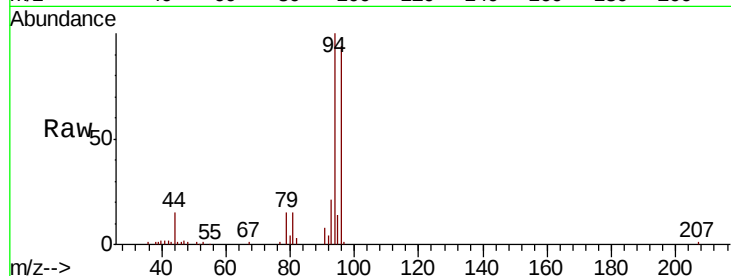
96 93.7 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



#6

Chloroethane

Concen: 21.308 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058799.D

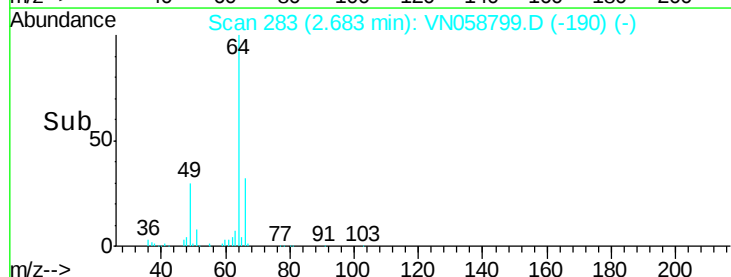
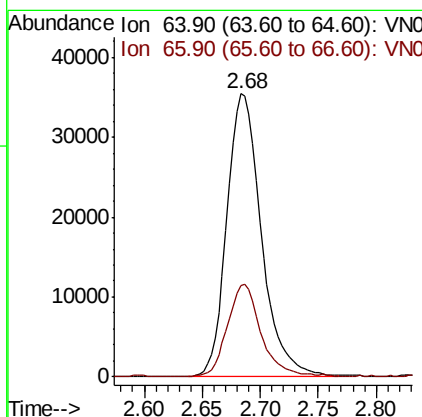
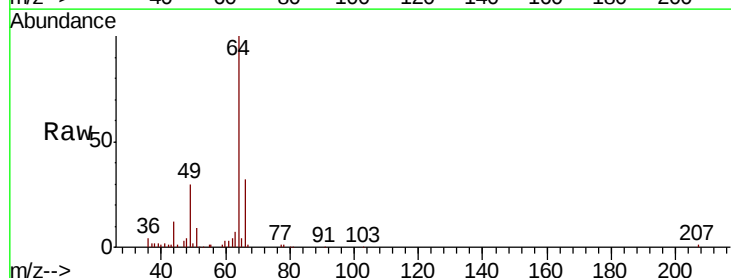
Acq: 16 Oct 2019 14:20

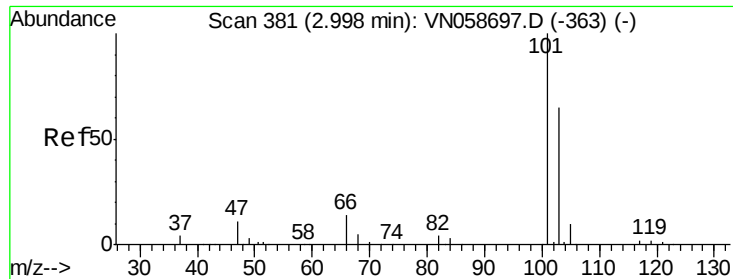
Tgt Ion: 64 Resp: 73184

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2





#7

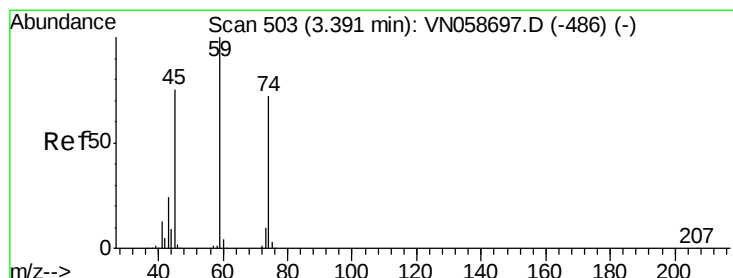
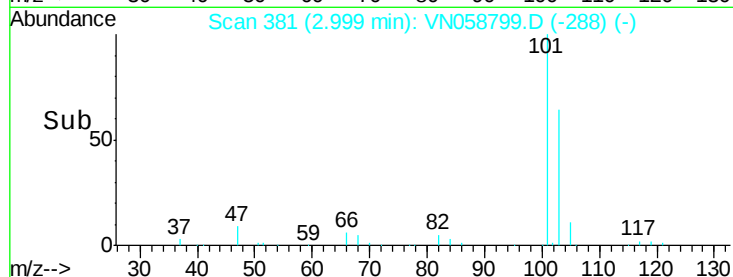
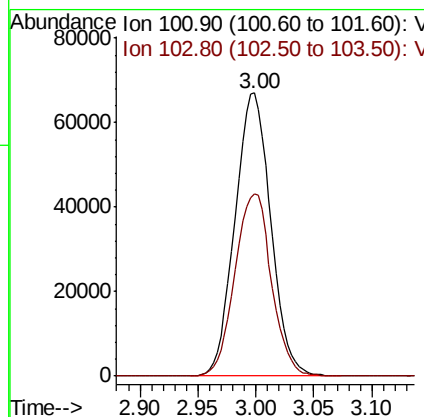
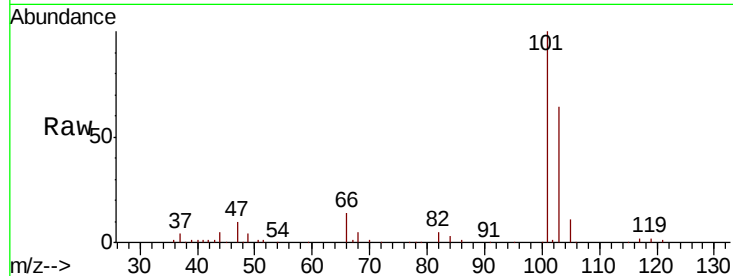
Trichlorofluoromethane
Concen: 21.547 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion:101 Resp: 143589
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

Manual Integrations
APPROVED

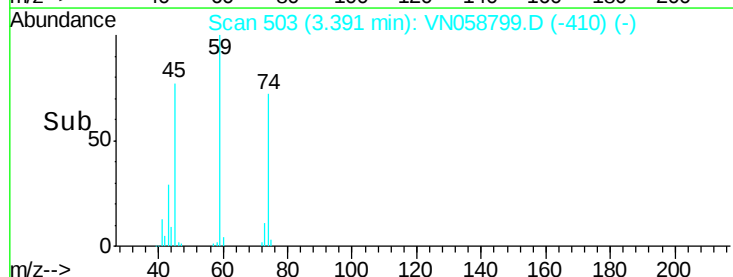
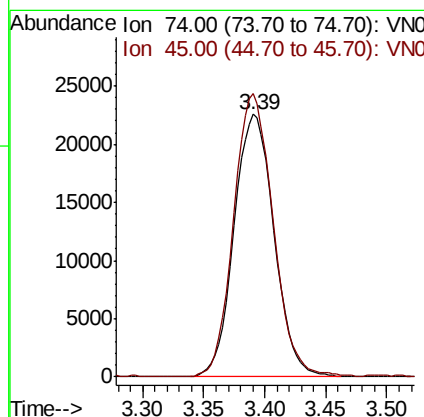
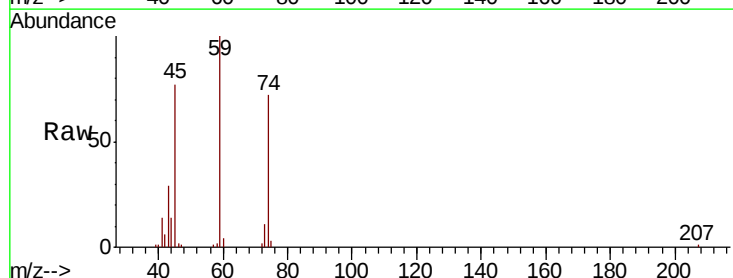
MMDadoda
10/18/2019 12:51:27 AM

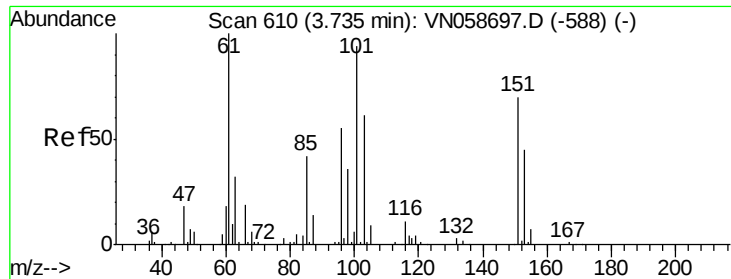


#8

Diethyl Ether
Concen: 20.817 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion: 74 Resp: 51257
Ion Ratio Lower Upper
74 100
45 107.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.481 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

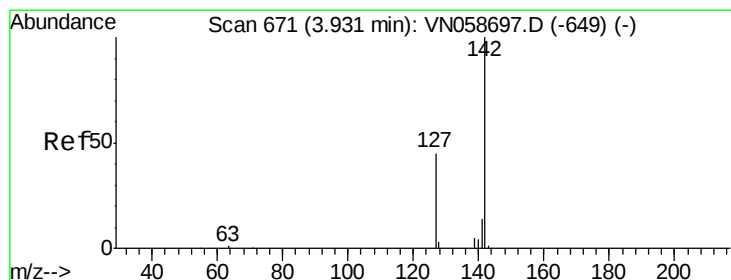
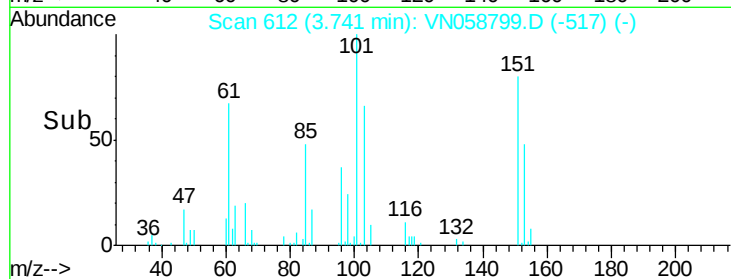
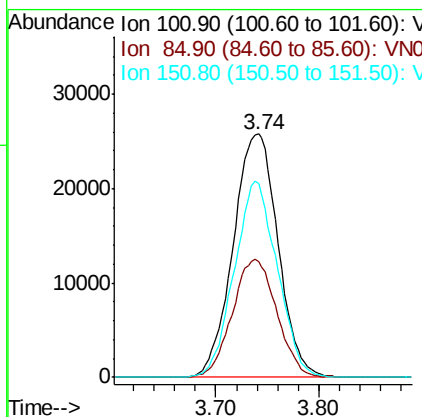
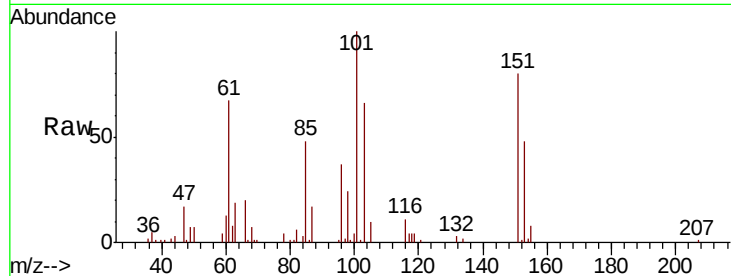
ClientSampleId :

VN1016WBSD01

Tot Ion:	101	Resp:	77823
Ion Ratio	Lower	Upper	
101	100		
85	48.0	37.0	55.6
151	77.4	61.8	92.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#10

Methyl Iodide

Concen: 20.270 ug/l

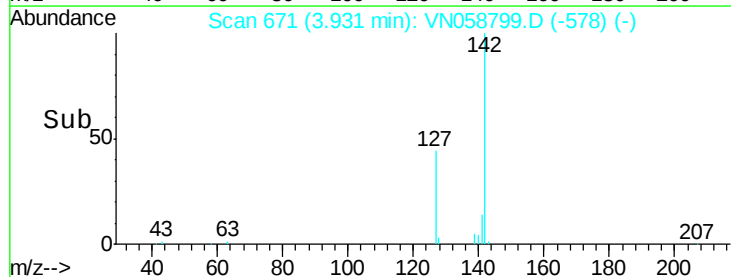
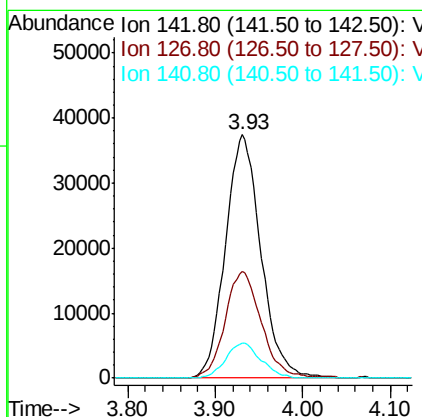
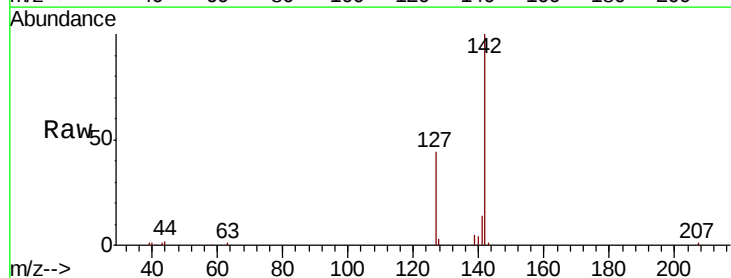
RT: 3.93 min Scan# 671

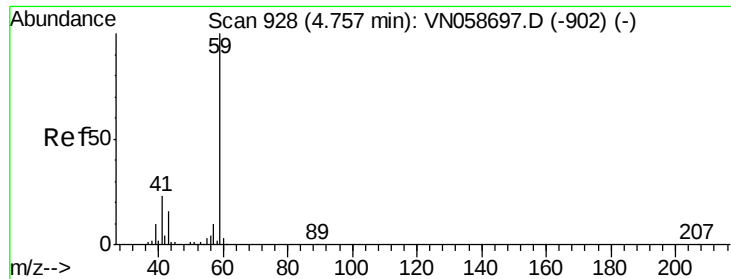
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	142	Resp:	105106
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.4	54.6
141	14.2	11.1	16.7





#11

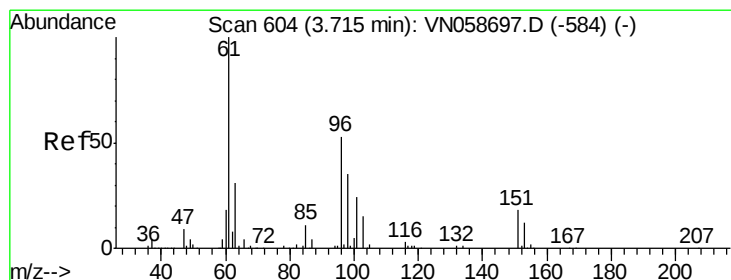
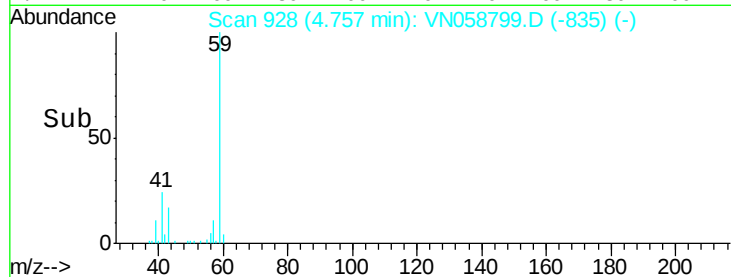
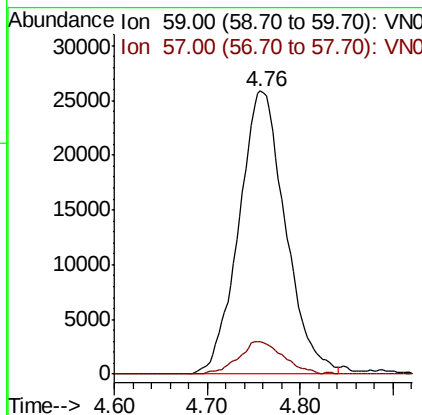
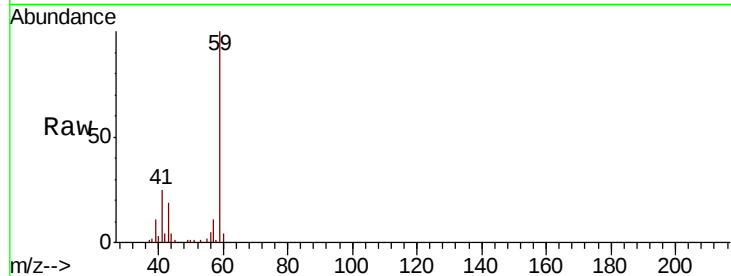
Tert butyl alcohol
 Concen: 105.341 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	59	Resp	90164
Ion Ratio	100	Lower	Upper
57	11.1	8.4	12.6

Manual Integrations
 APPROVED

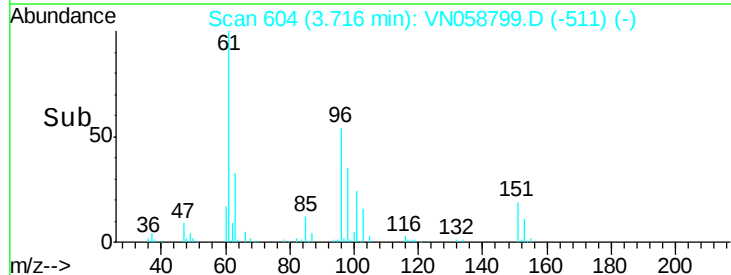
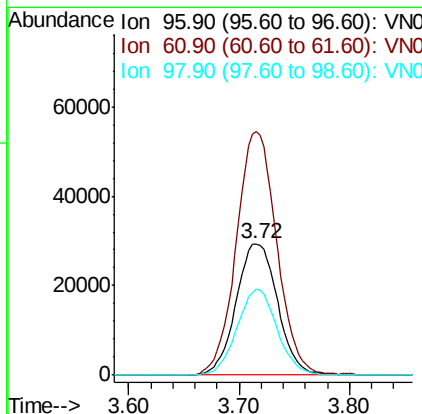
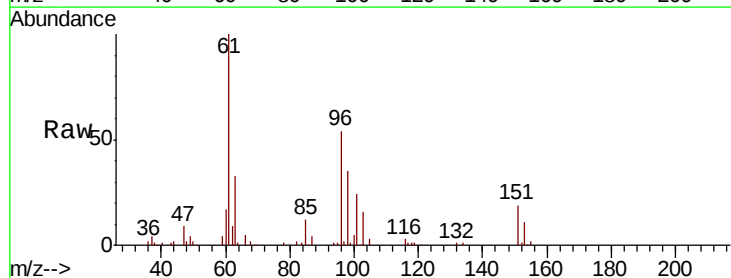
MMDadoda
 10/18/2019 12:51:27 AM

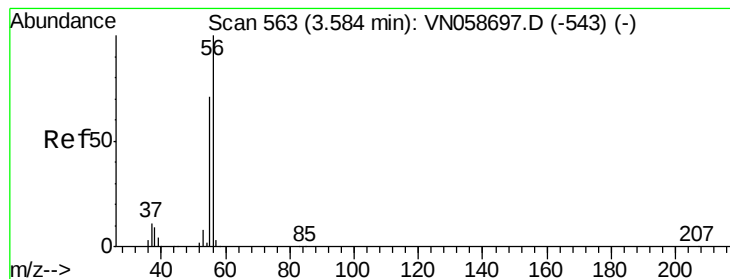


#12

1,1-Dichloroethene
 Concen: 21.106 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	96	Resp	76520
Ion Ratio	100	Lower	Upper
61	185.5	151.3	226.9
98	65.3	52.6	78.8





#13

Acrolein

Concen: 69.459 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 56 Resp: 47814

Ion Ratio Lower Upper

56 100

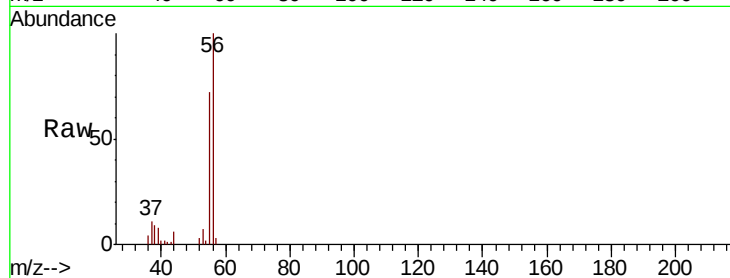
55 74.1 56.7 85.1

Manual Integrations

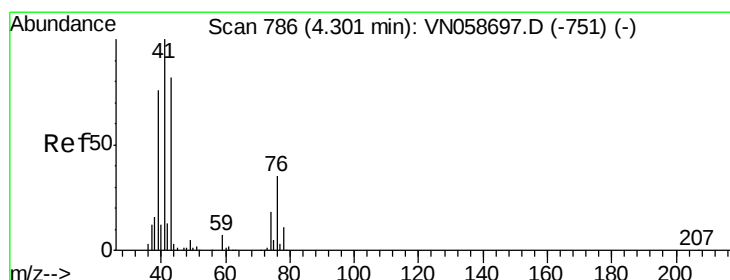
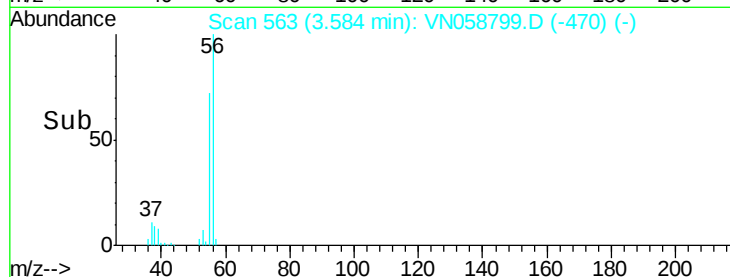
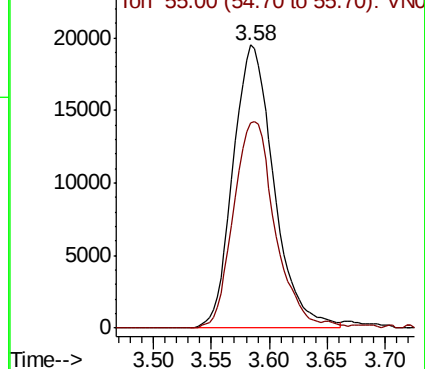
APPROVED

MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VN058799.D (-470) (-)



#14

Allyl chloride

Concen: 20.816 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

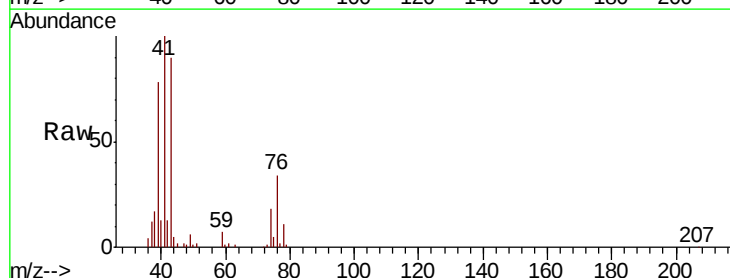
Tgt Ion: 41 Resp: 152295

Ion Ratio Lower Upper

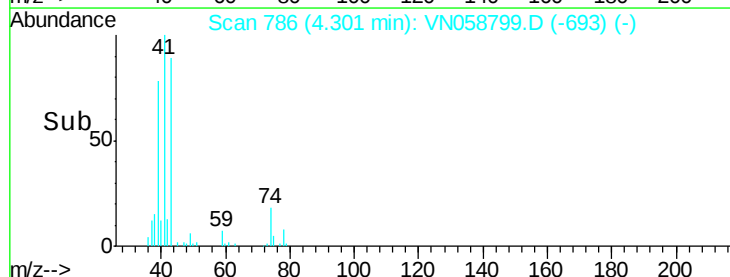
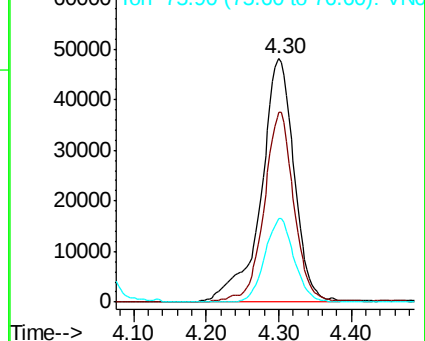
41 100

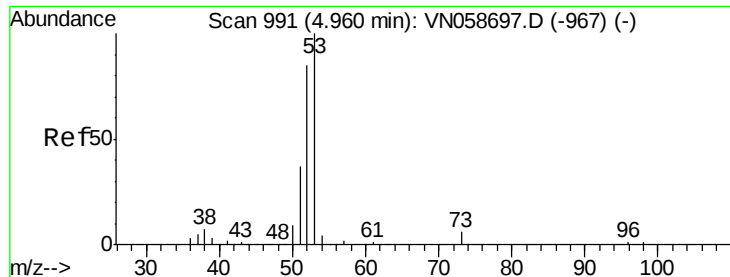
39 70.3 57.2 85.8

76 30.5 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN058799.D (-693) (-)





#15

Acrylonitrile

Concen: 108.882 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

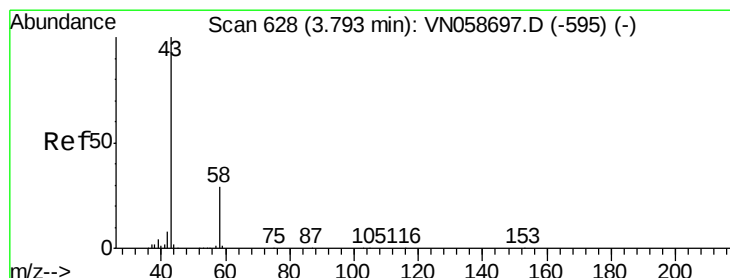
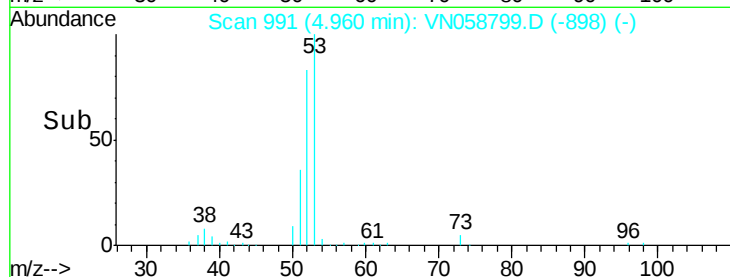
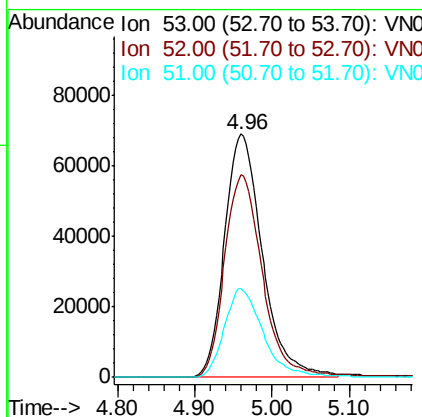
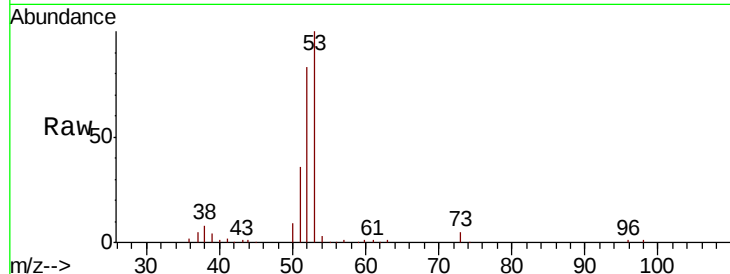
ClientSampleId :

VN1016WBSD01

Tot Ion:	53	Resp:	235021
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	37.4	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#16

Acetone

Concen: 103.832 ug/l

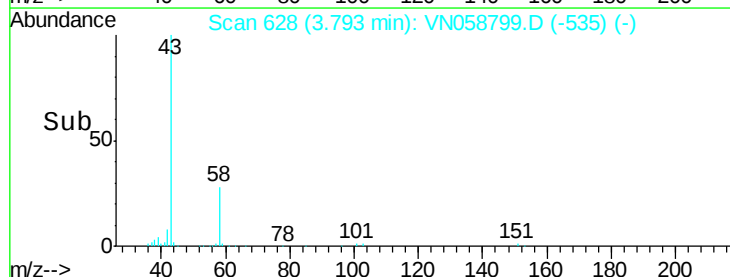
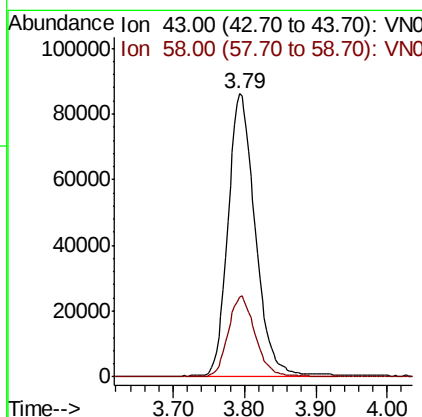
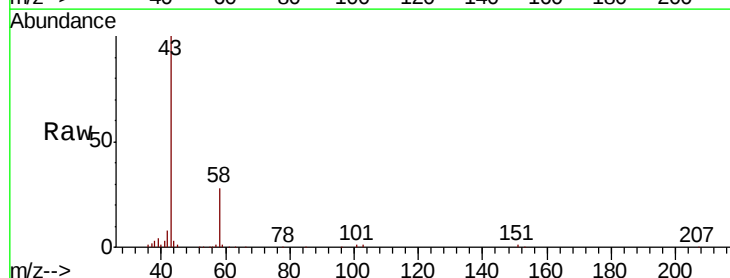
RT: 3.79 min Scan# 628

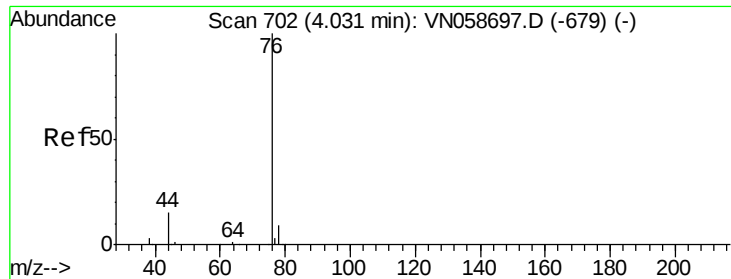
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	43	Resp:	227182
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.3	34.9





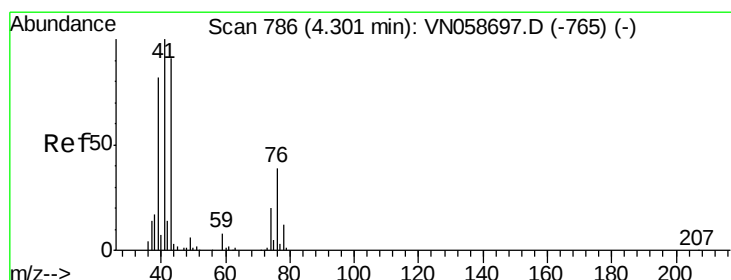
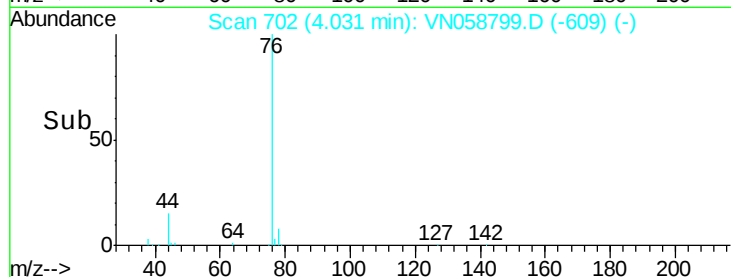
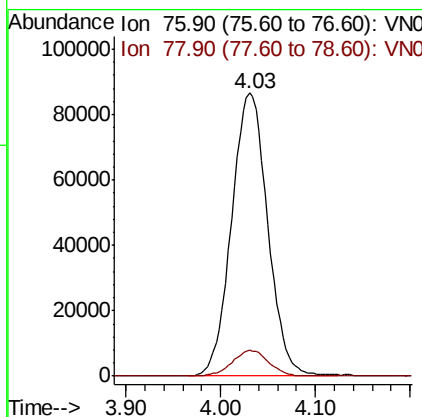
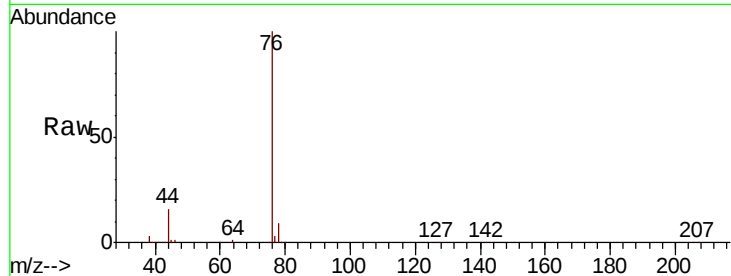
#17
Carbon Disulfide
Concen: 19.848 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

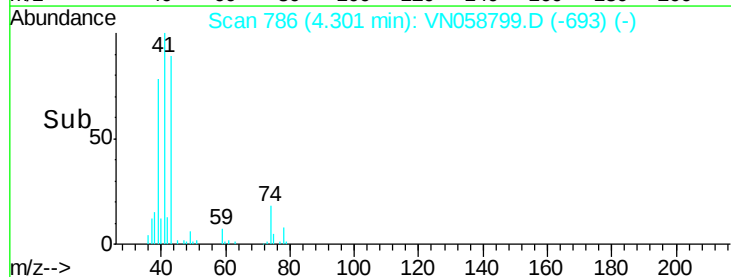
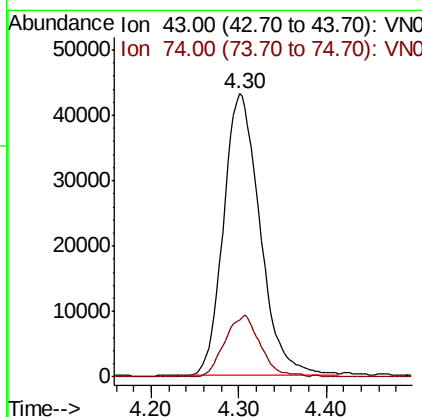
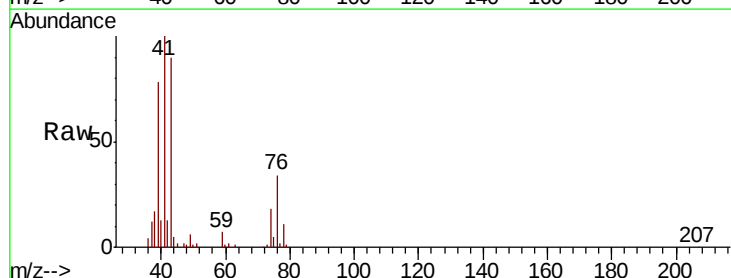
Manual Integrations
APPROVED

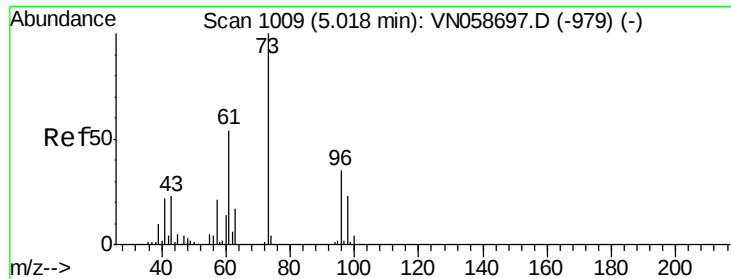
MMDadoda
10/18/2019 12:51:27 AM



#18
Methyl Acetate
Concen: 22.555 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.2	25.8





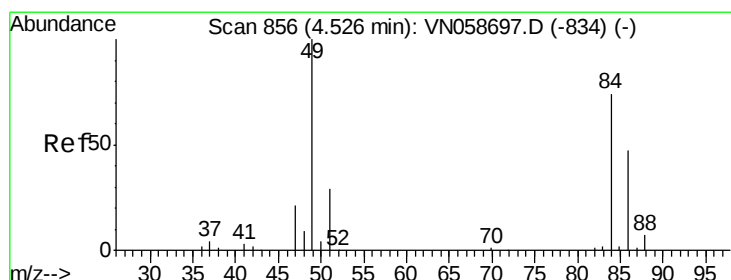
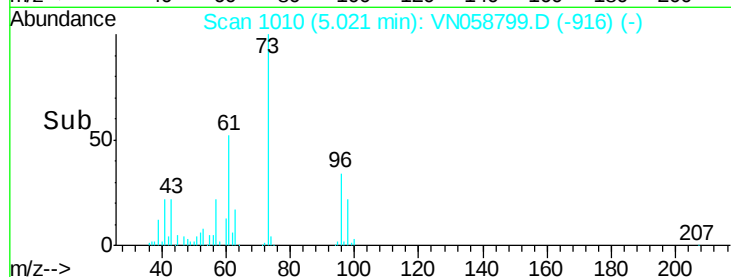
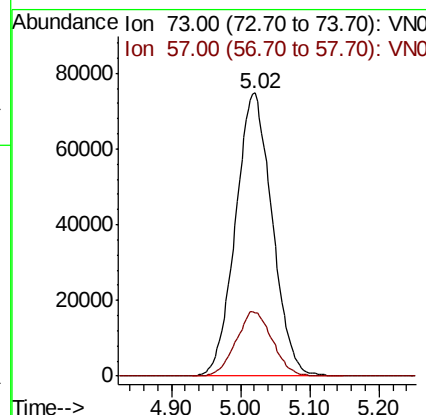
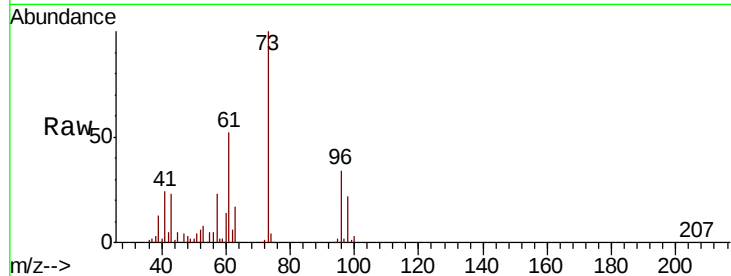
#19
Methvl tert-butvl Ether
Concen: 21.271 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 73 Resp: 275369
Ion Ratio Lower Upper
73 100
57 22.5 17.0 25.6

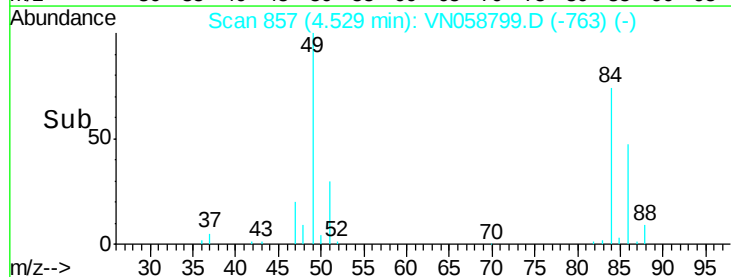
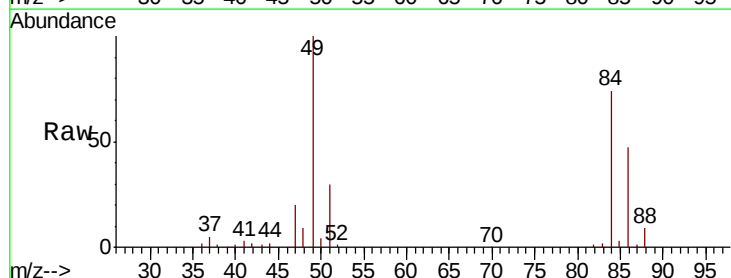
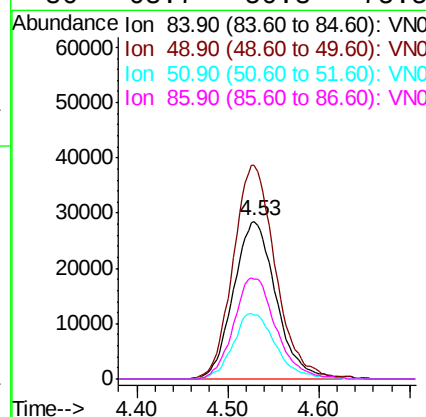
Manual Integrations
APPROVED

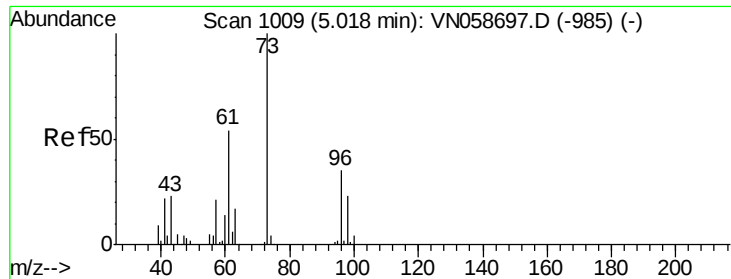
MMDadoda
10/18/2019 12:51:27 AM



#20
Methylene Chloride
Concen: 20.270 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion: 84 Resp: 92690
Ion Ratio Lower Upper
84 100
49 135.0 107.6 161.4
51 40.9 31.4 47.0
86 63.7 50.3 75.5





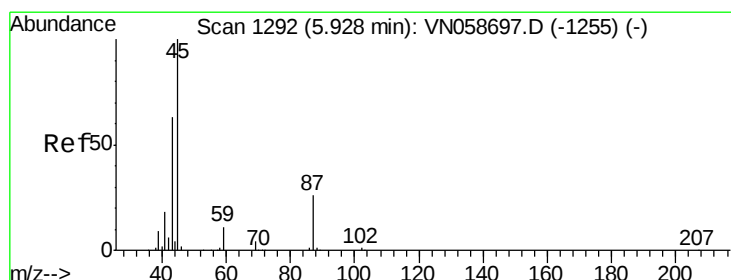
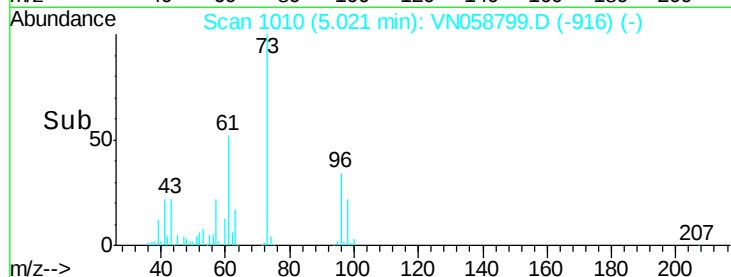
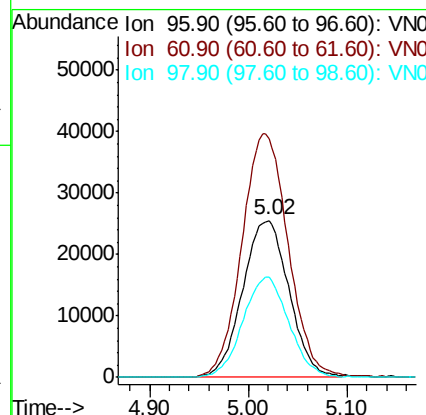
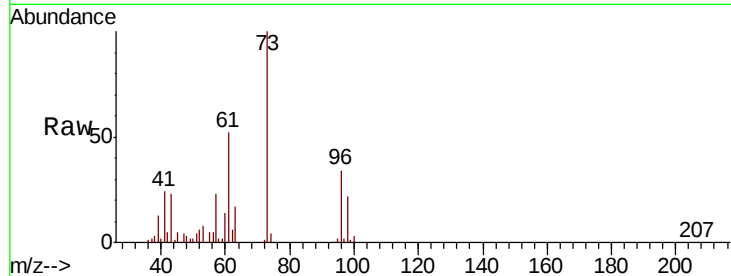
#21
trans-1,2-Dichloroethene
Concen: 20.528 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	123.6	185.4
98	64.4	52.1	78.1

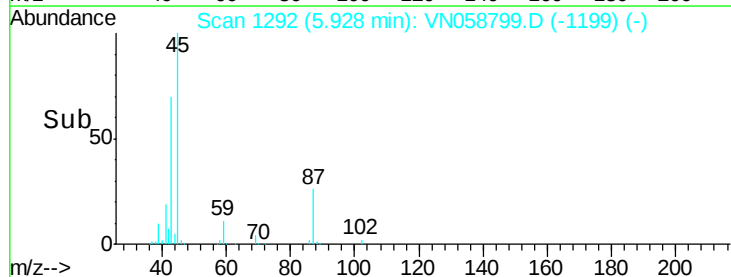
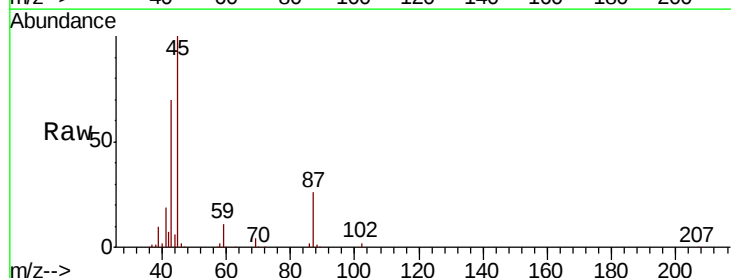
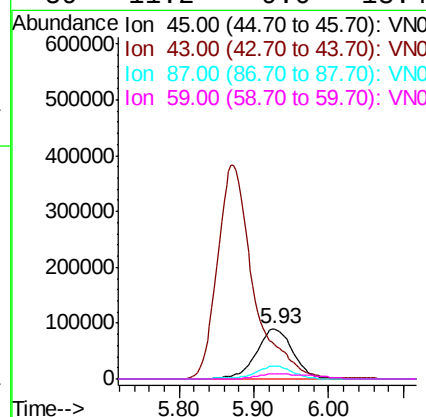
Manual Integrations
APPROVED

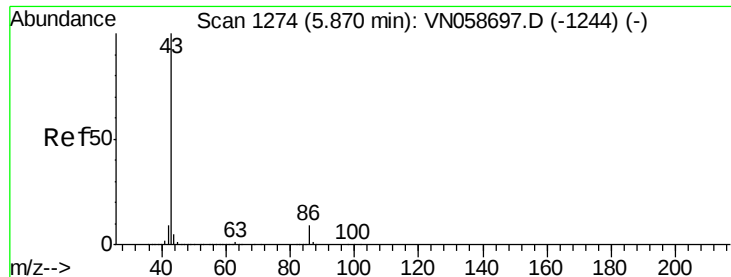
MMDadoda
10/18/2019 12:51:27 AM



#22
Diisopropyl ether
Concen: 21.528 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	50.6	75.8
87	26.1	21.1	31.7
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 111.696 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 43 Resp: 1282101

Ion Ratio Lower Upper

43 100

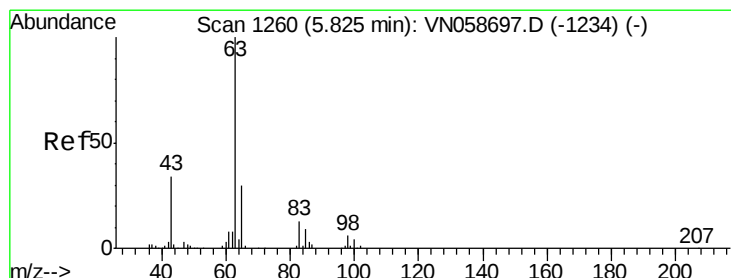
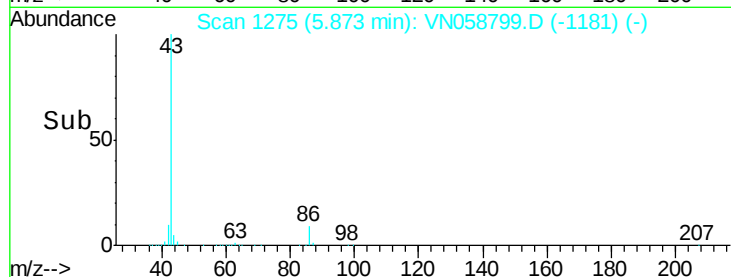
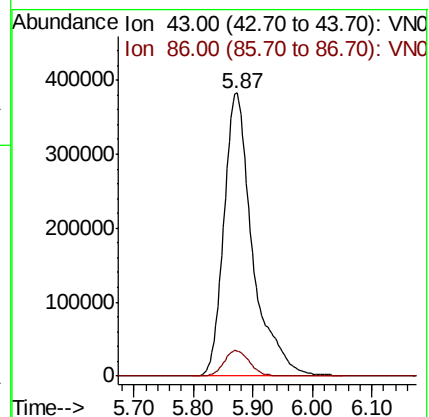
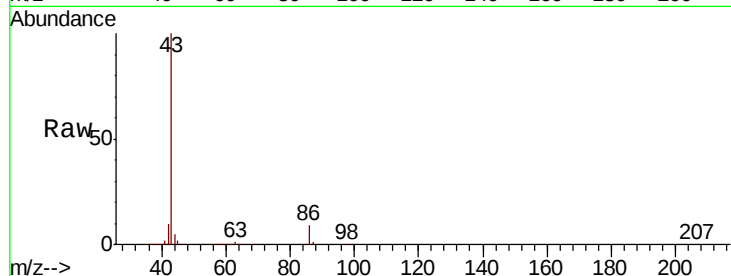
86 8.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



#24

1,1-Dichloroethane

Concen: 21.413 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

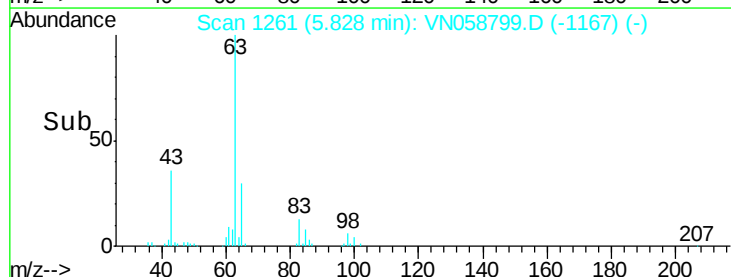
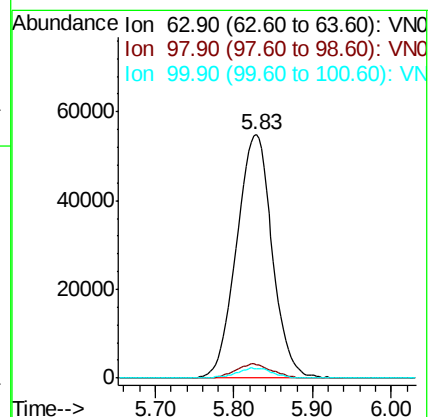
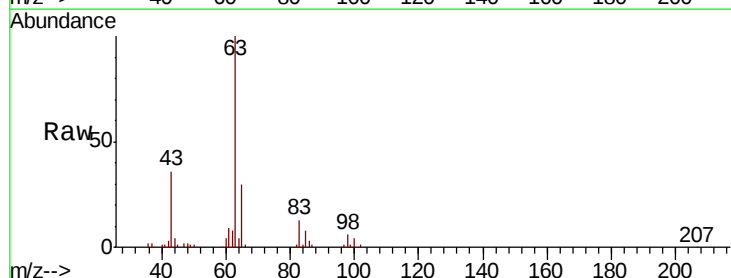
Tgt Ion: 63 Resp: 173481

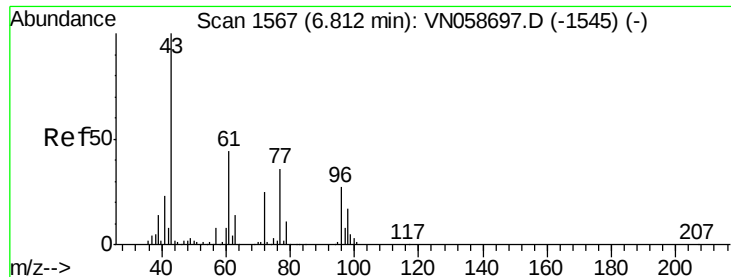
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 104.805 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 43 Resp: 331445

Ion Ratio Lower Upper

43 100

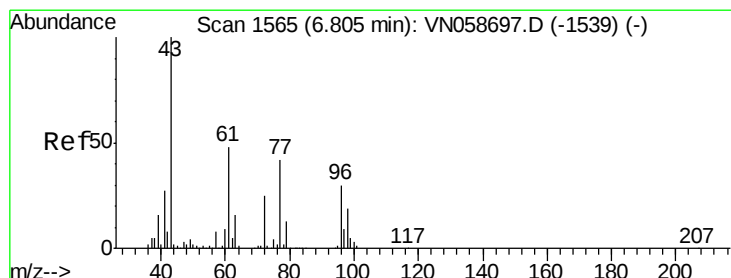
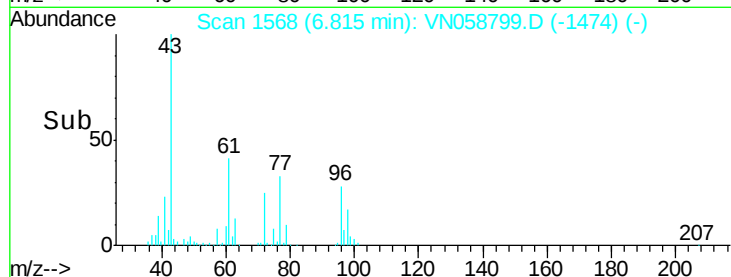
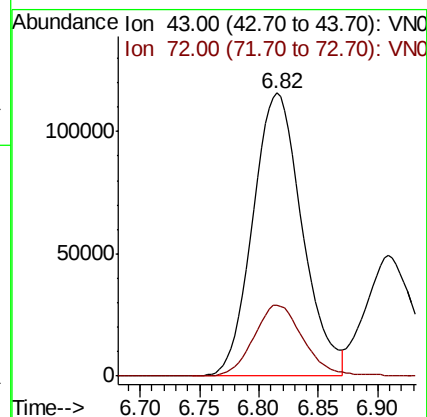
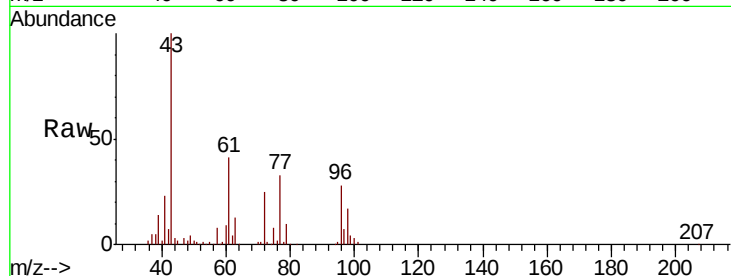
72 25.0 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



#26

2,2-Dichloropropane

Concen: 19.270 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058799.D

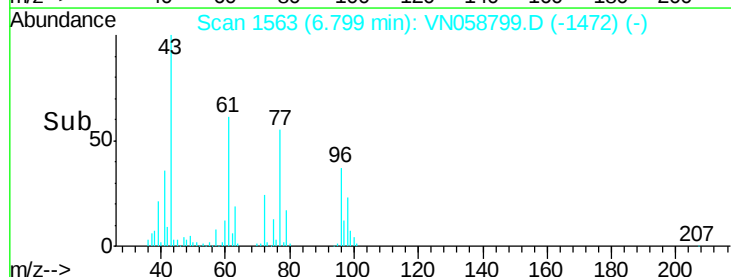
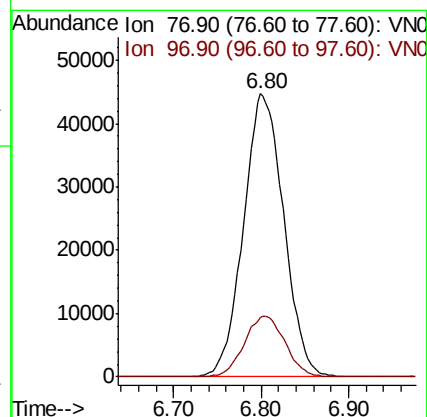
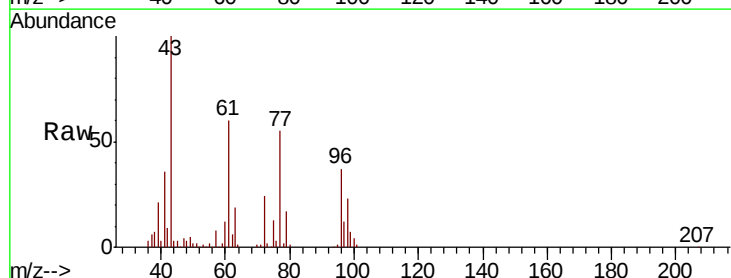
Acq: 16 Oct 2019 14:20

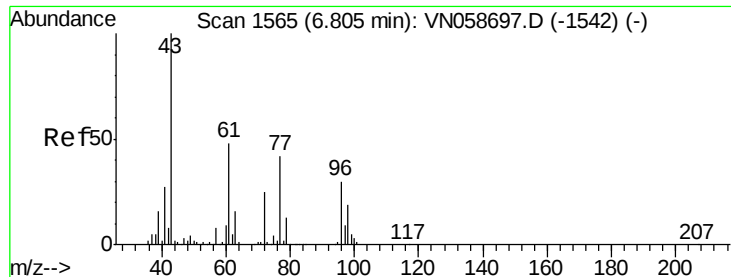
Tgt Ion: 77 Resp: 142511

Ion Ratio Lower Upper

77 100

97 21.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.724 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

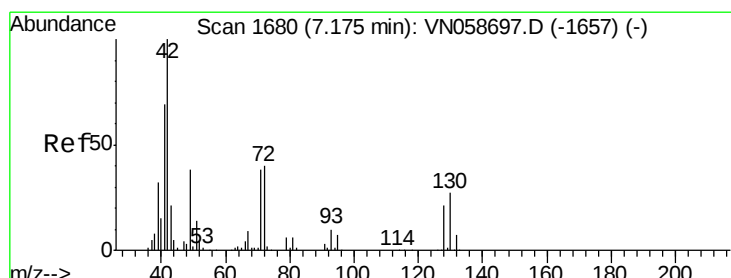
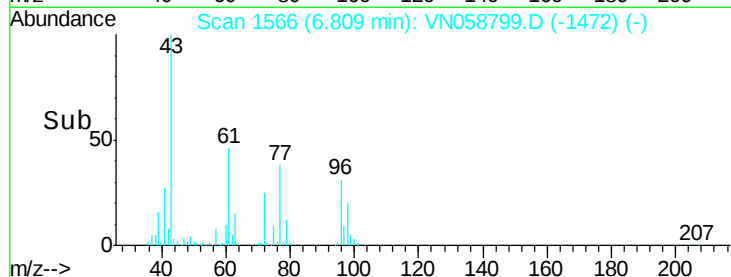
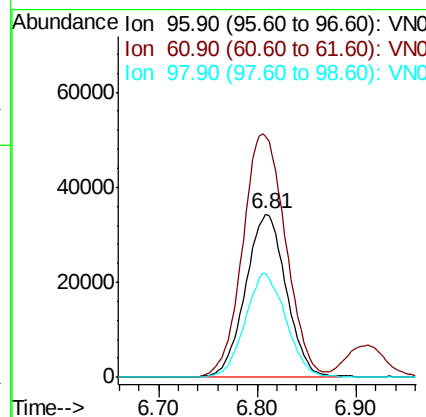
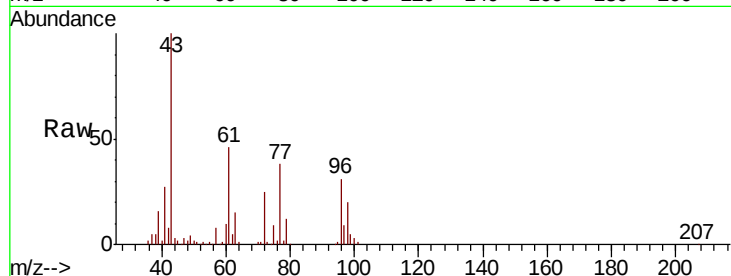
ClientSampleId :

VN1016WBSD01

Tot Ion:	96	Resp:	98001
Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	324.8
98	63.5	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#28

Bromochloromethane

Concen: 21.010 ug/l

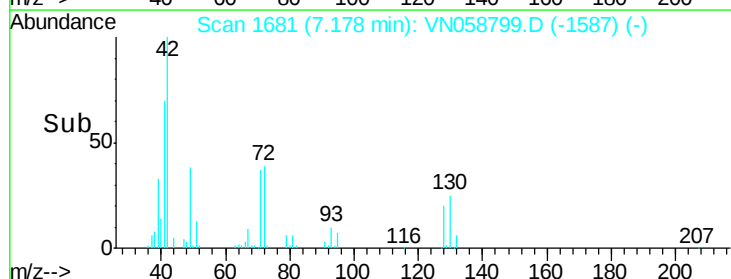
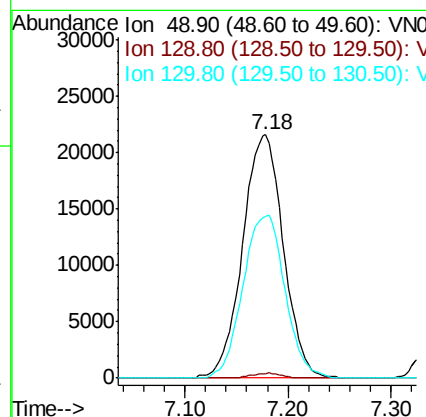
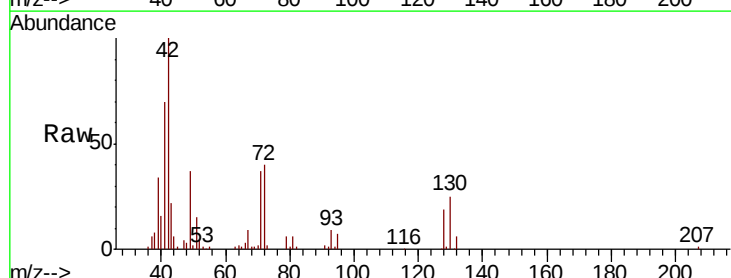
RT: 7.18 min Scan# 1681

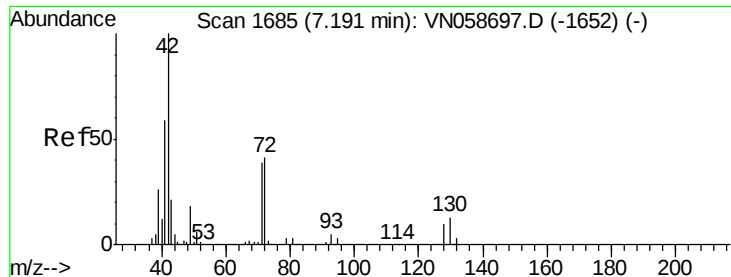
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	49	Resp:	59217
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	69.1	55.0	82.4





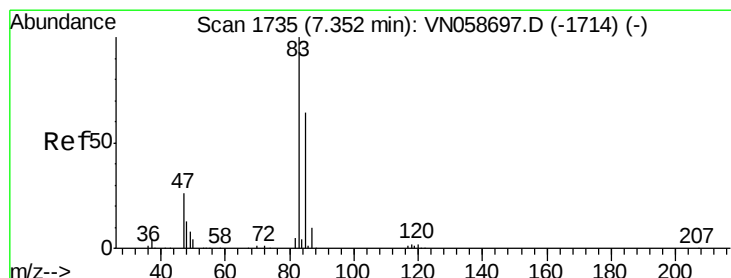
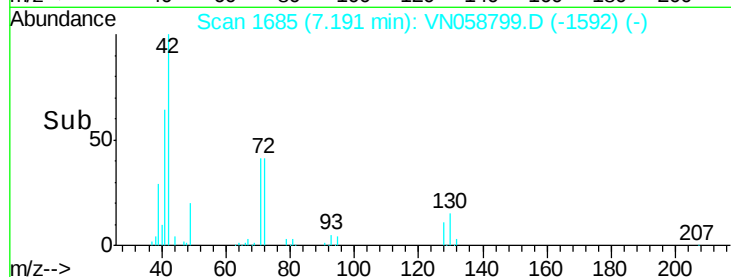
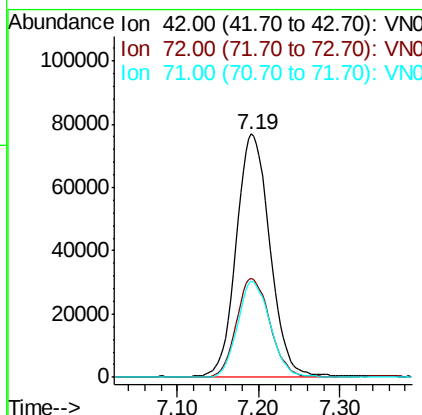
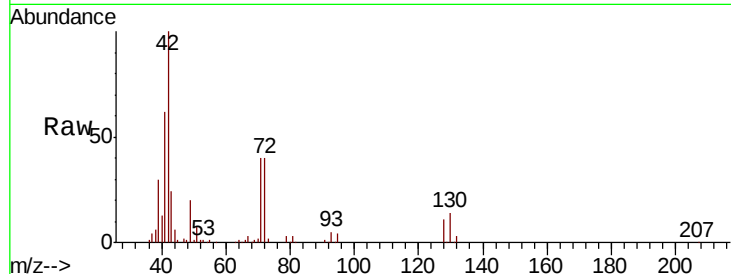
#29
Tetrahydrofuran
Concen: 106.758 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	38.6	31.1	46.7

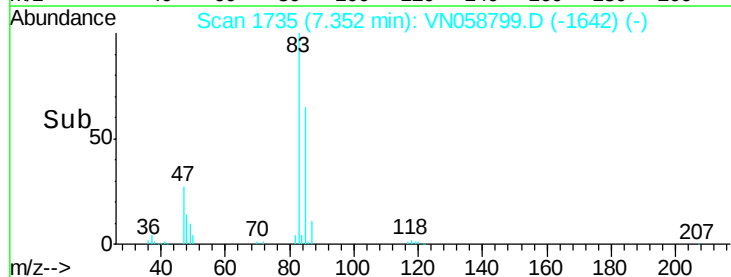
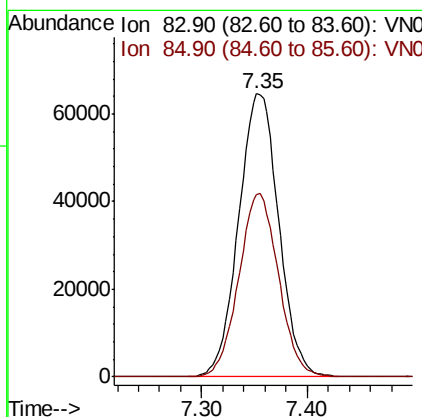
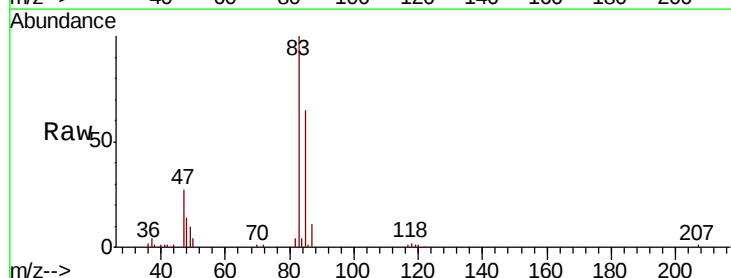
Manual Integrations
APPROVED

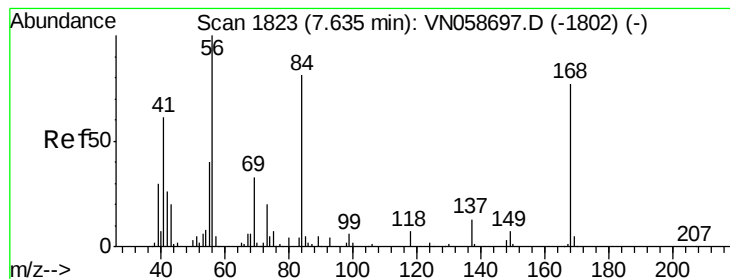
MMDadoda
10/18/2019 12:51:27 AM



#30
Chloroform
Concen: 21.033 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6





#31

Cyclohexane

Concen: 19.858 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

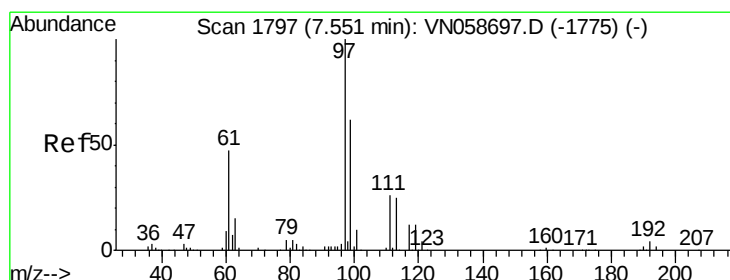
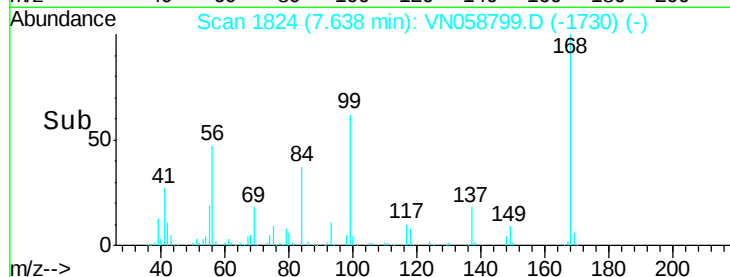
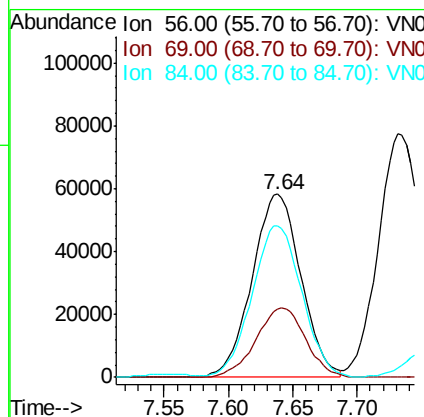
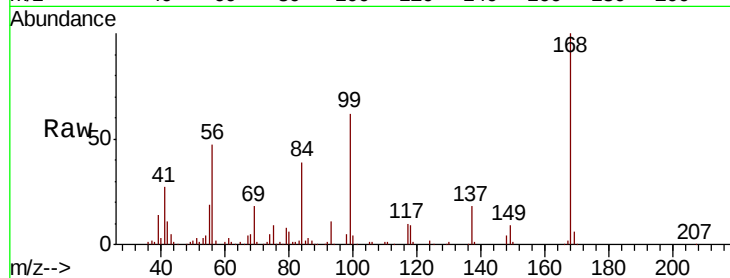
ClientSampleId :

VN1016WBSD01

Tot Ion:	56	Resp:	153940
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.2	39.4
84	81.9	64.9	97.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#32

1,1,1-Trichloroethane

Concen: 21.532 ug/l

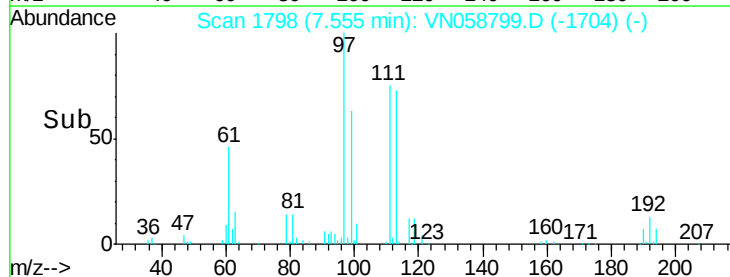
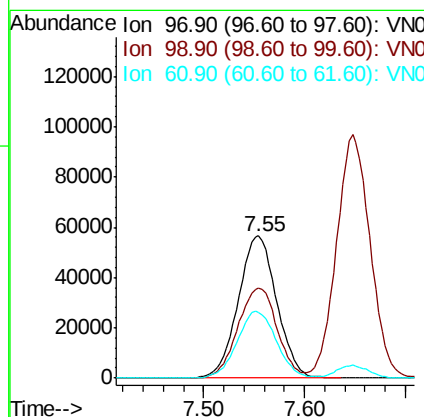
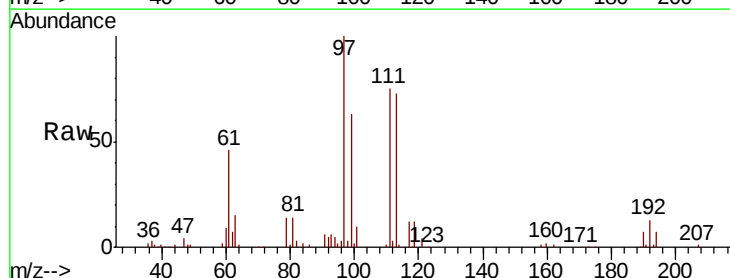
RT: 7.55 min Scan# 1798

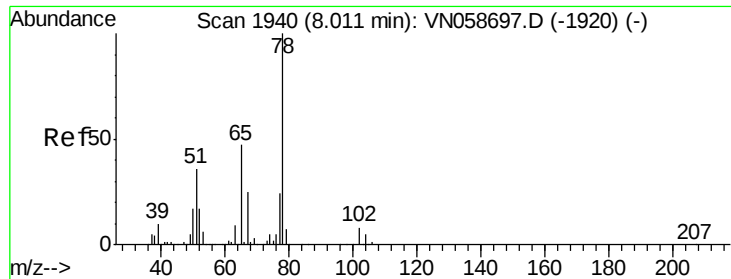
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	97	Resp:	149472
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.8	76.2
61	47.9	38.1	57.1





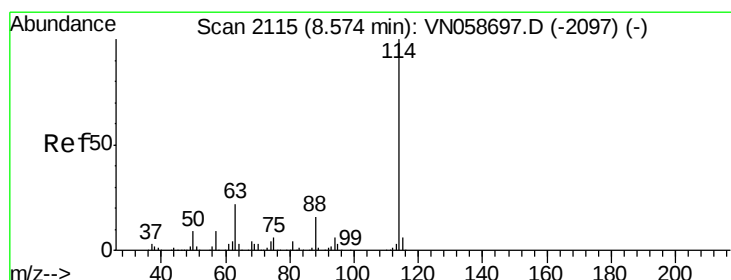
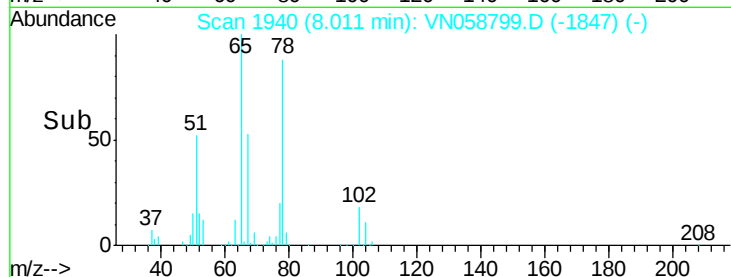
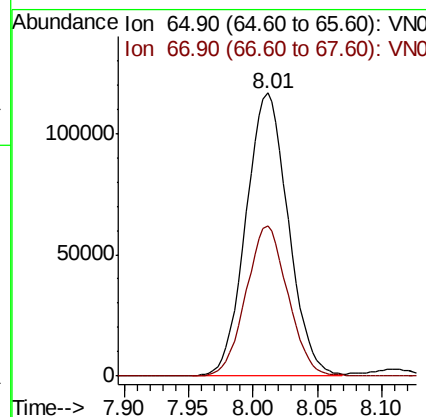
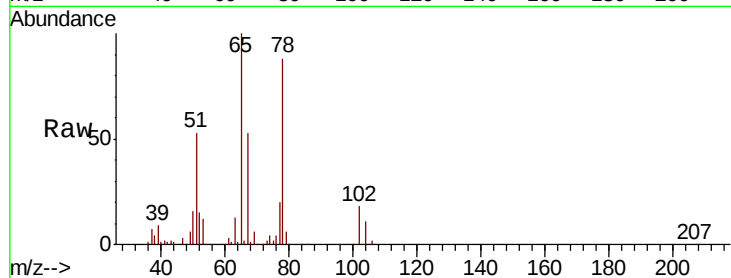
#33
 1,2-Dichloroethane-d4
 Concen: 50.500 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266896		
67	52.4	0.0	103.8	

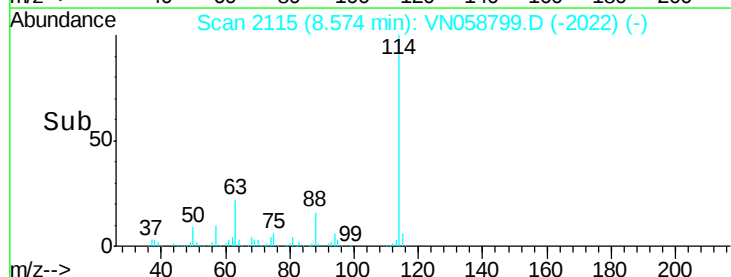
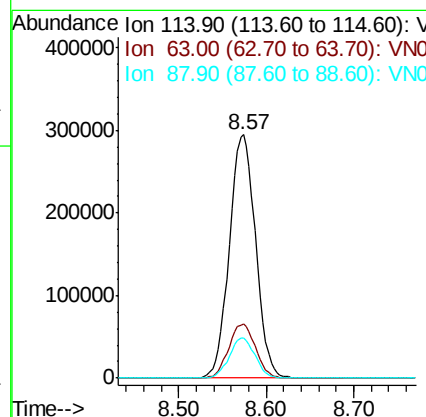
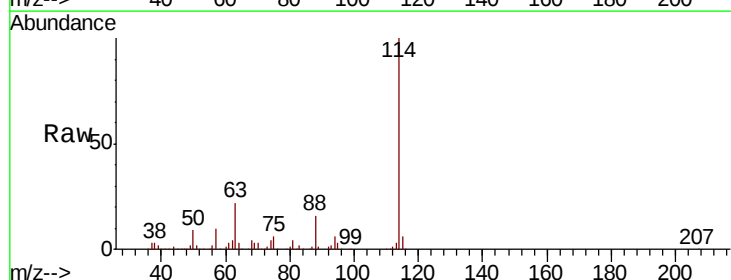
Manual Integrations
 APPROVED

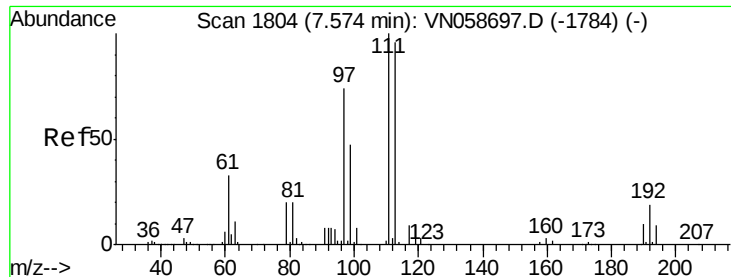
MMDadoda
 10/18/2019 12:51:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	614693		
63	22.0	0.0	43.8	
88	16.4	0.0	32.0	





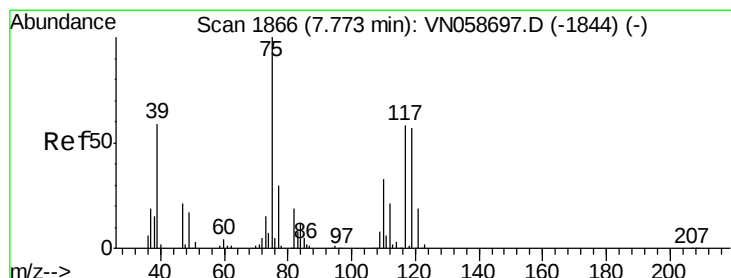
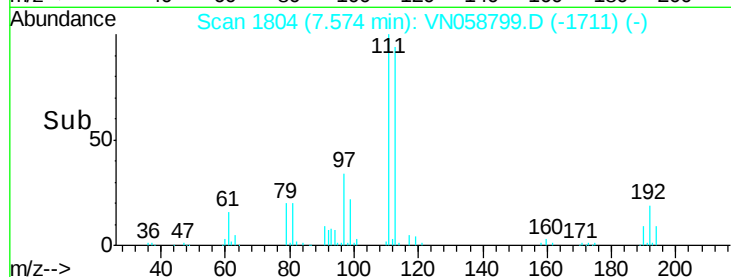
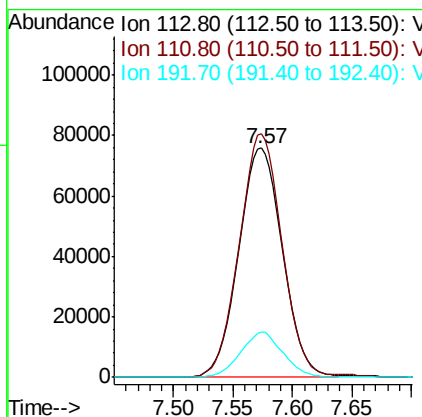
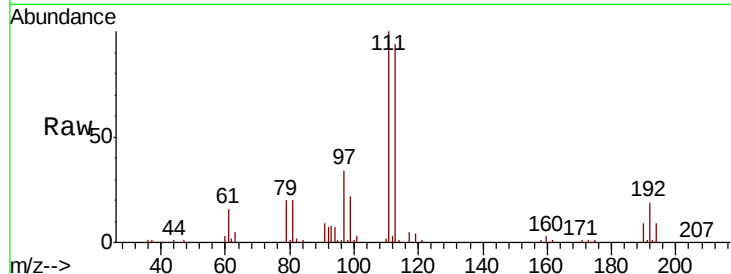
#35
Dibromofluoromethane
Concen: 50.952 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193457		
111	103.8	82.3	123.5	
192	19.3	15.0	22.6	

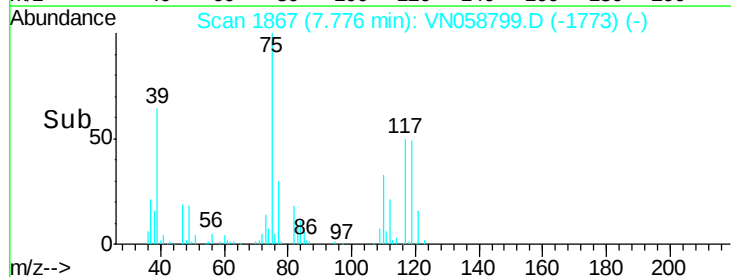
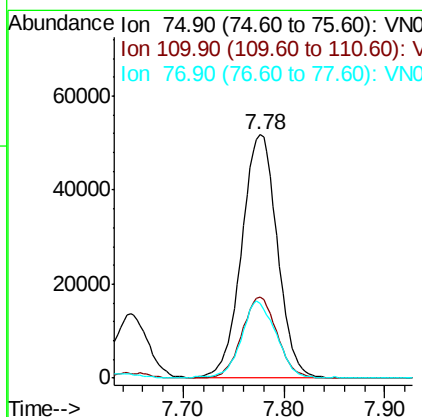
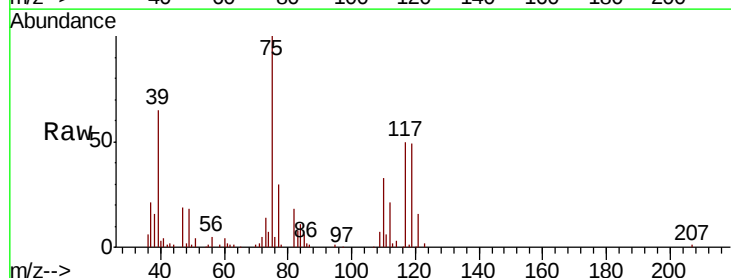
Manual Integrations
APPROVED

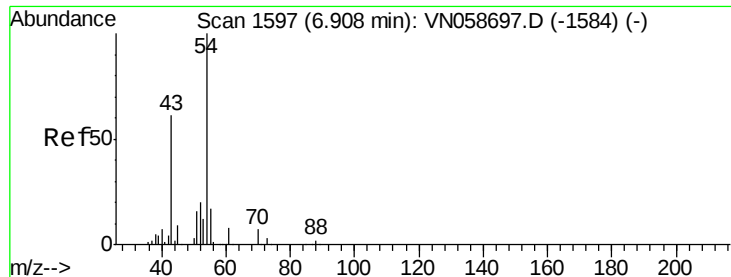
MMDadoda
10/18/2019 12:51:27 AM



#36
1,1-Dichloropropene
Concen: 20.424 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126935		
110	32.7	16.6	49.8	
77	30.7	24.6	37.0	





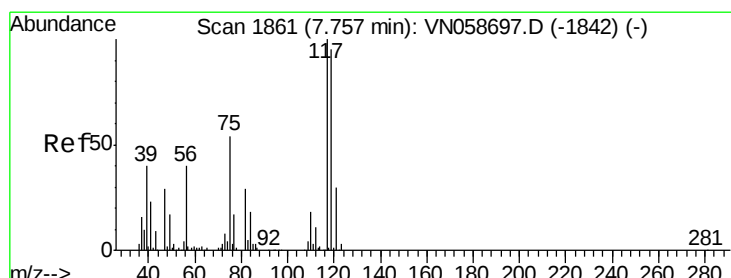
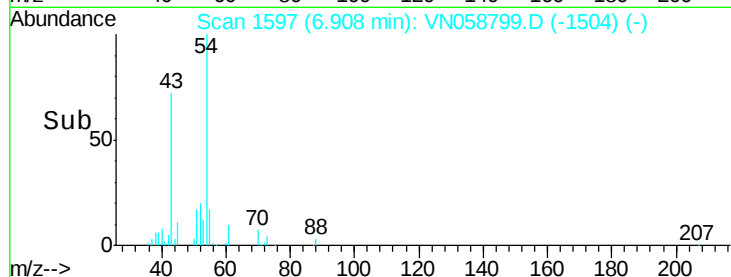
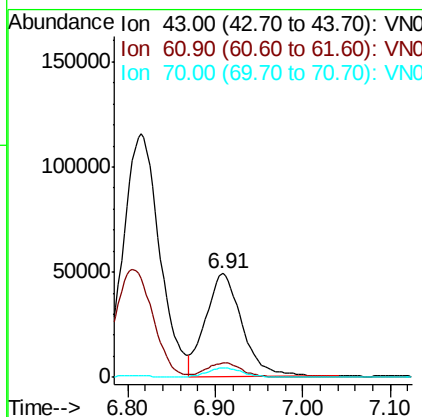
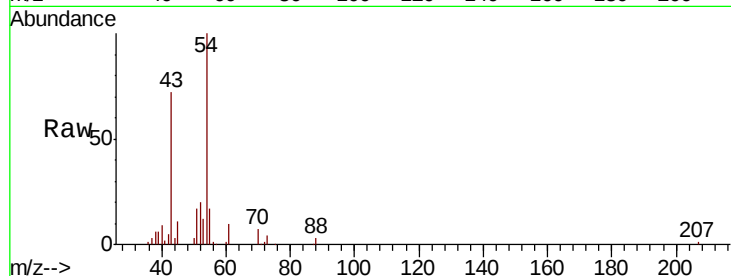
#37
Ethyl Acetate
Concen: 22.596 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	8.9	7.2	10.8

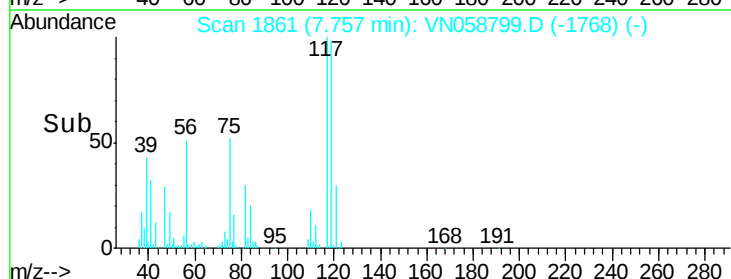
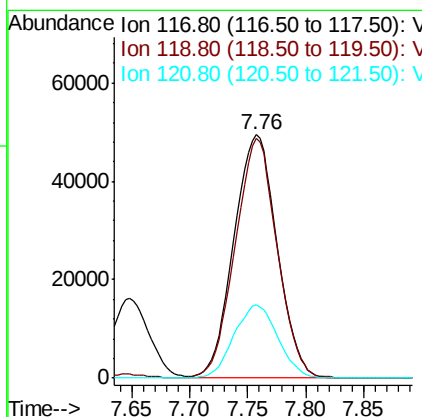
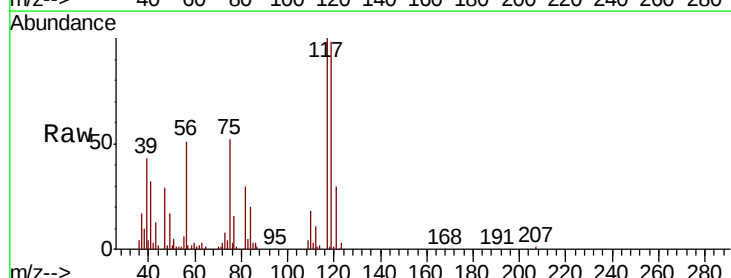
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#38
Carbon Tetrachloride
Concen: 21.175 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.7	113.5
121	30.1	23.9	35.9





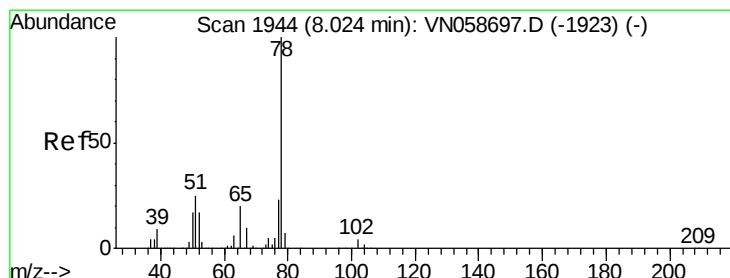
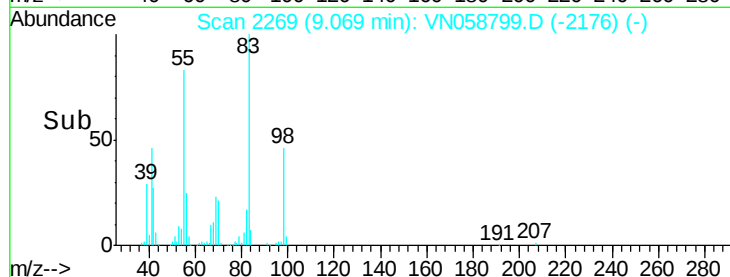
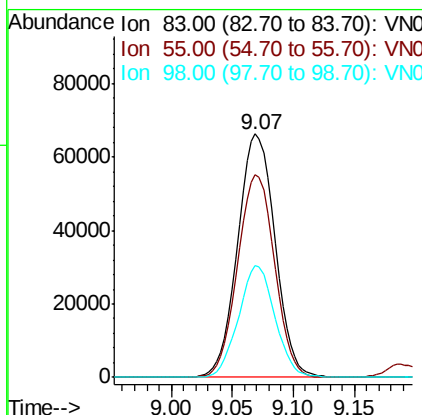
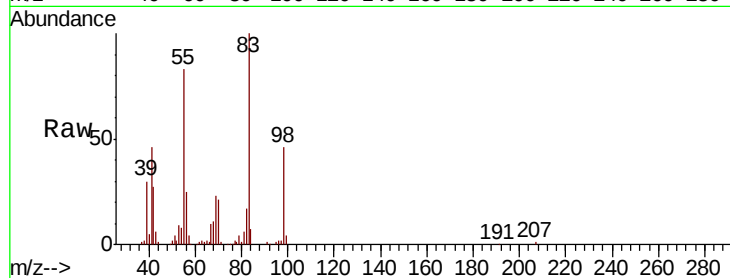
#39
Methvlcvclohexane
Concen: 19.512 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	63.4	95.0
98	45.7	35.1	52.7

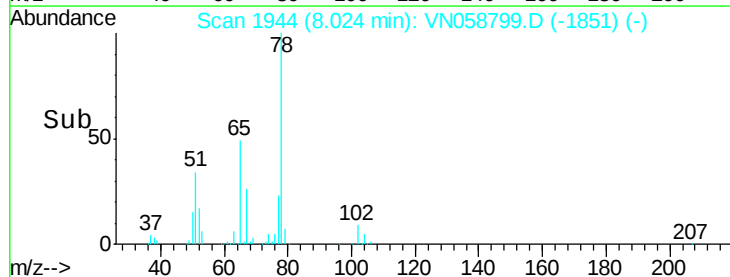
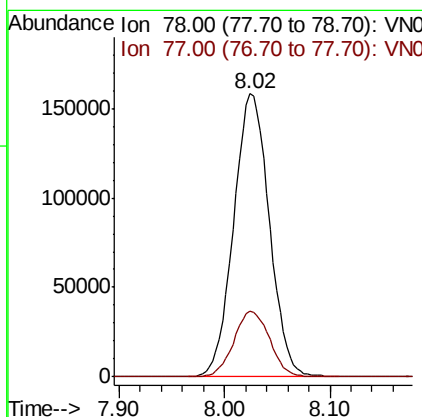
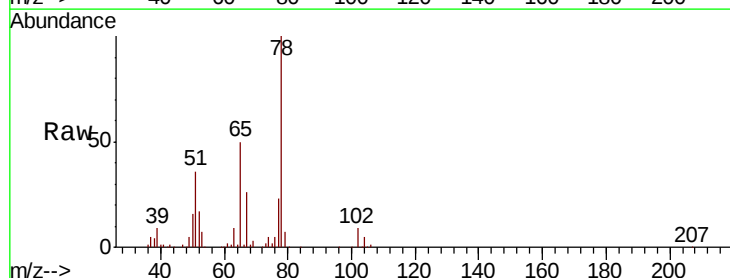
Manual Integrations
APPROVED

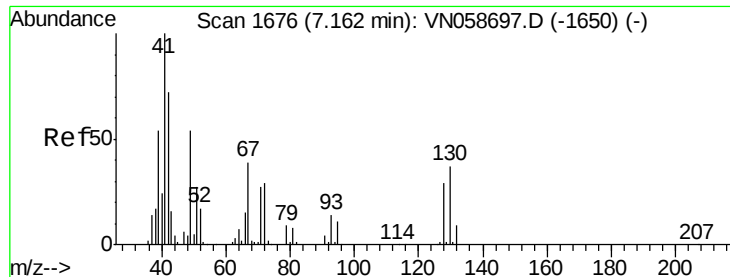
MMDadoda
10/18/2019 12:51:27 AM



#40
Benzene
Concen: 20.837 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





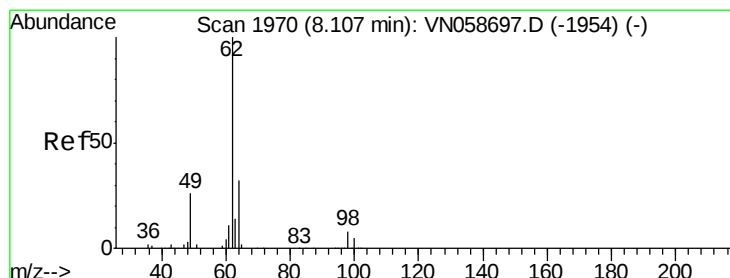
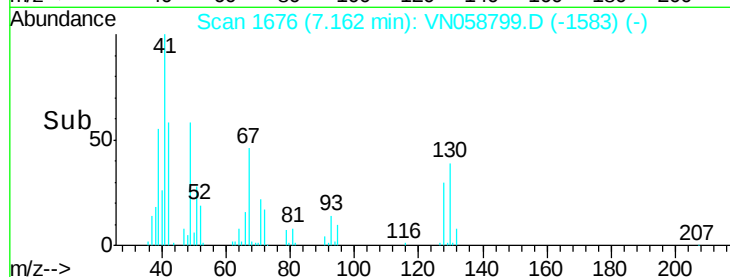
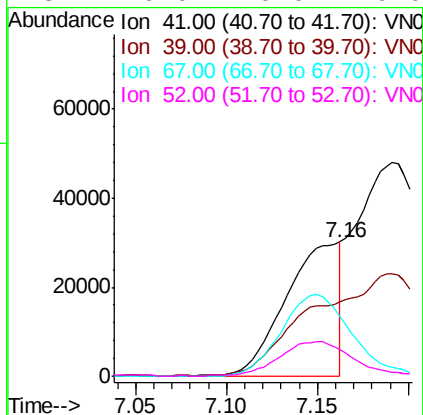
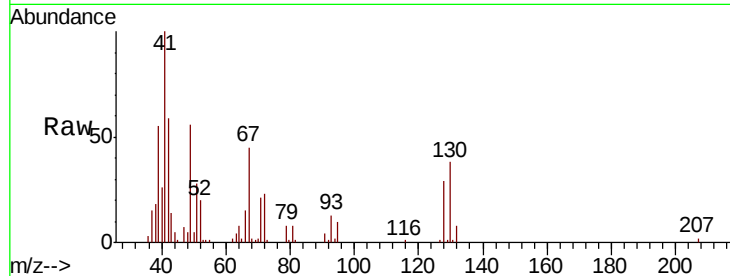
#41
Methacrylonitrile
Concen: 21.293 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	164.7	115.4	173.2	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

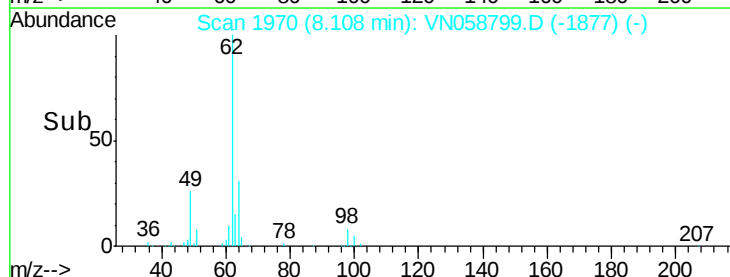
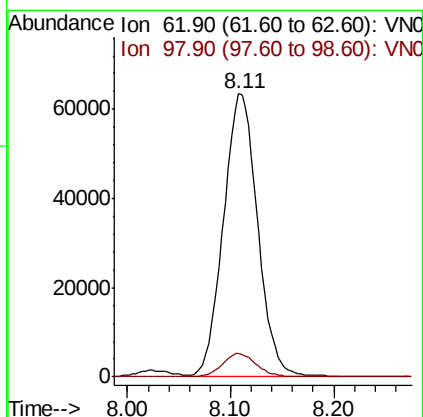
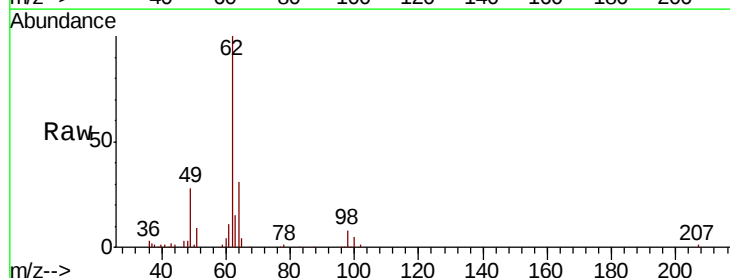
Manual Integrations
APPROVED

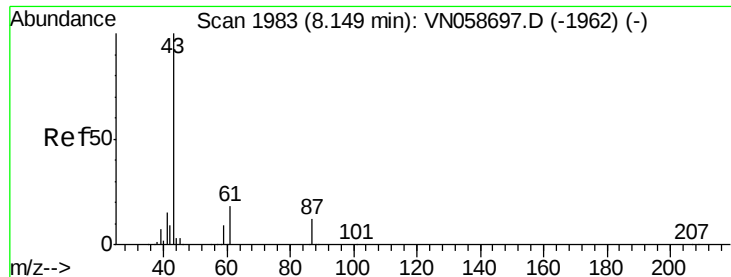
MMDadoda
10/18/2019 12:51:27 AM



#42
1,2-Dichloroethane
Concen: 21.266 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	15.8	





#43

Isopropyl Acetate

Concen: 20.713 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

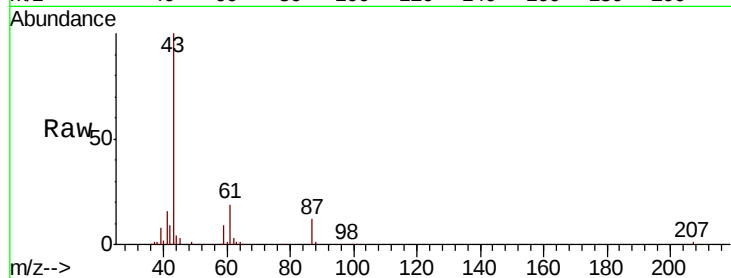
ClientSampleId :

VN1016WBSD01

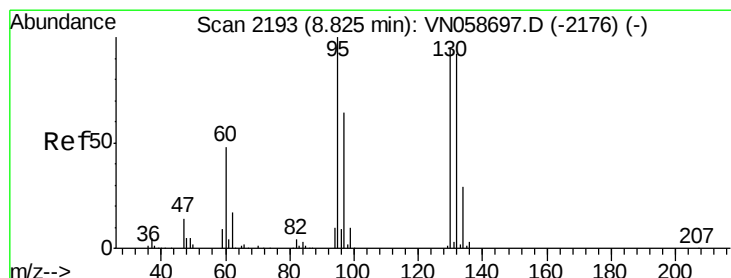
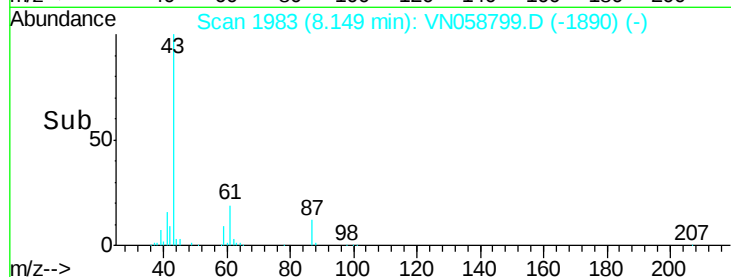
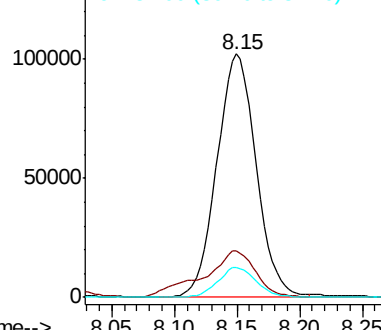
Tot Ion:	43	Resp:	221781
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.3	30.5
87	12.1	9.8	14.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 20.554 ug/l

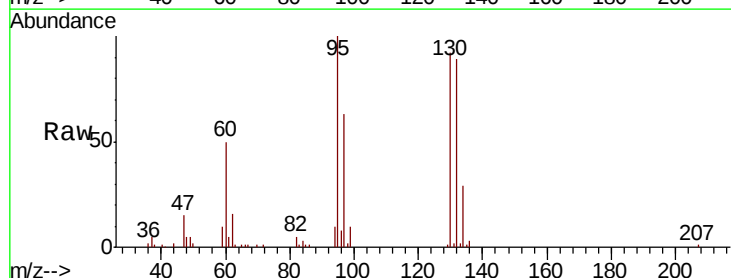
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

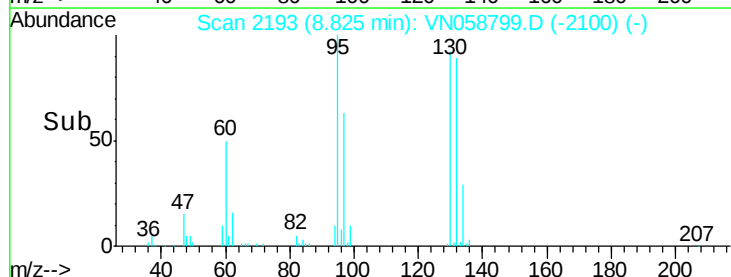
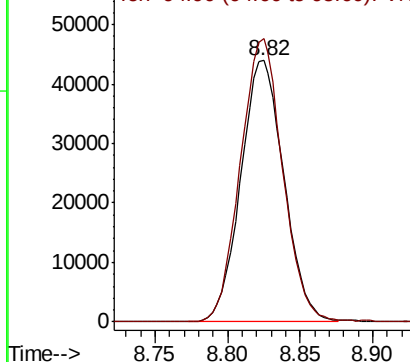
Lab File: VN058799.D

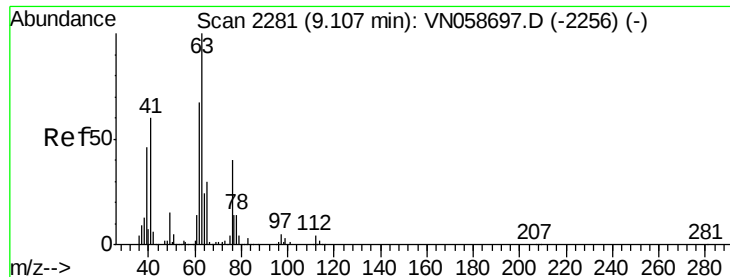
Acq: 16 Oct 2019 14:20

Tgt Ion:	130	Resp:	91107
Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)





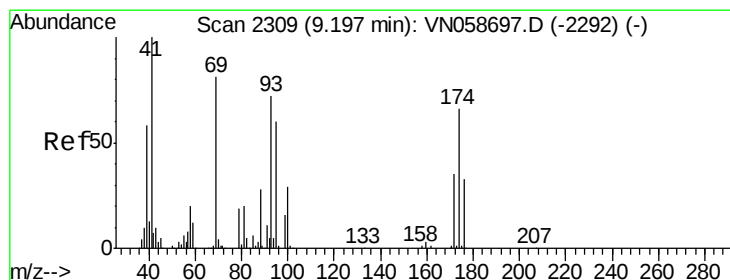
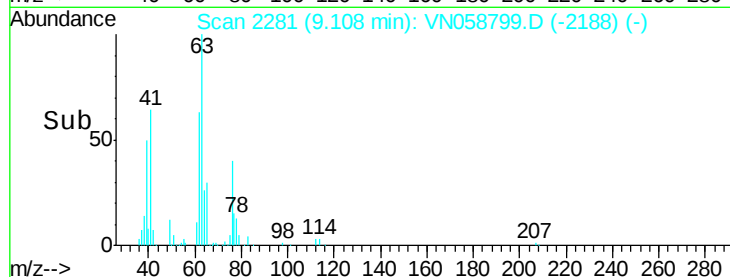
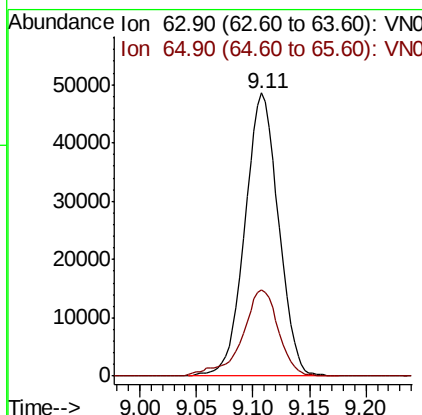
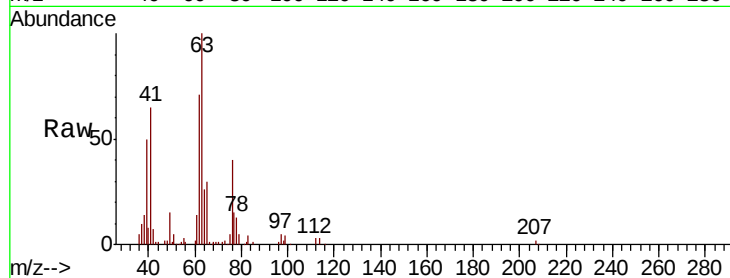
#45
 1,2-Dichloropropane
 Concen: 21.048 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.1	36.1

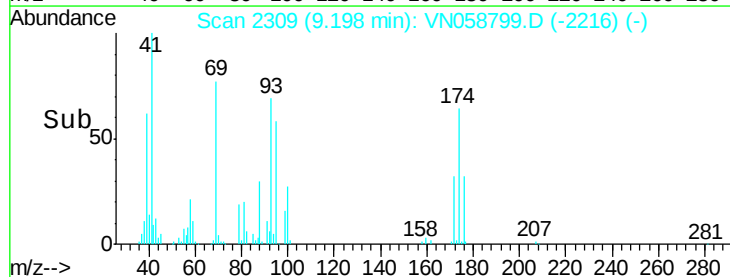
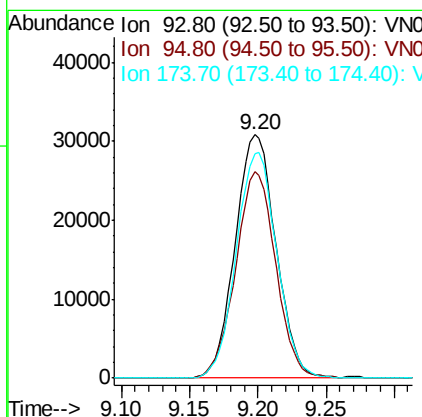
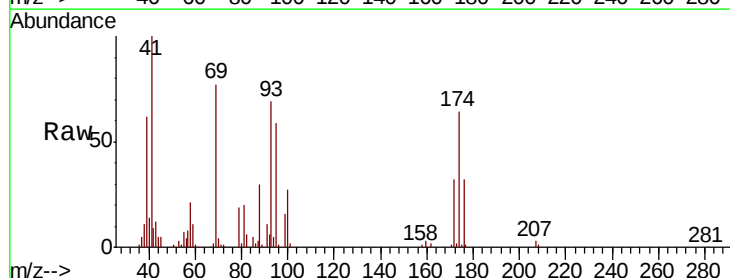
Manual Integrations
 APPROVED

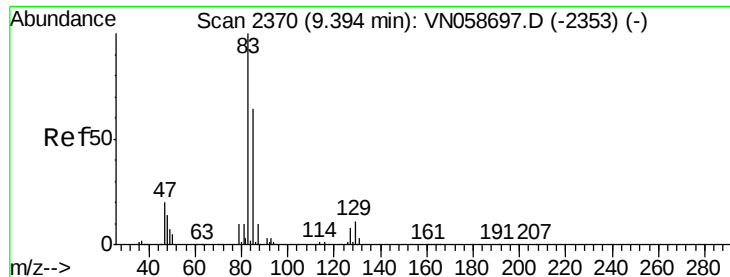
MMDadoda
 10/18/2019 12:51:27 AM



#46
 Dibromomethane
 Concen: 21.139 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.6	100.0
174	92.5	75.2	112.8





#47

Bromodichloromethane

Concen: 21.906 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

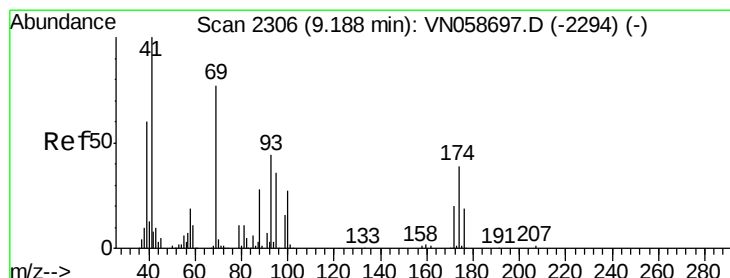
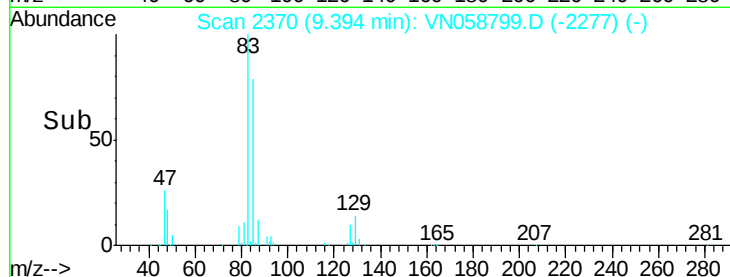
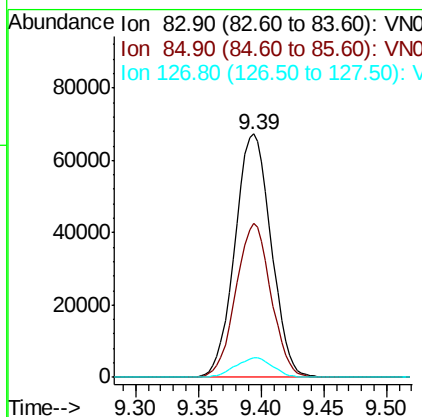
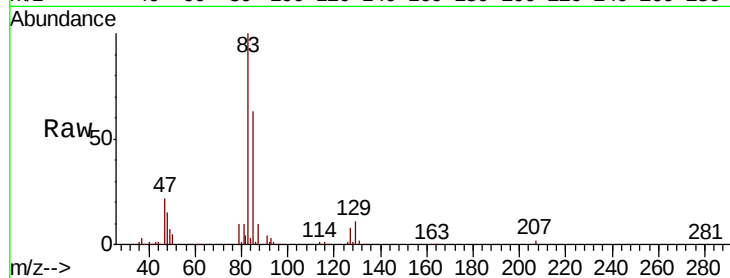
ClientSampleId :

VN1016WBSD01

Tot Ion:	83	Resp:	135139
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3
127	7.9	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#48

Methyl methacrylate

Concen: 21.010 ug/l

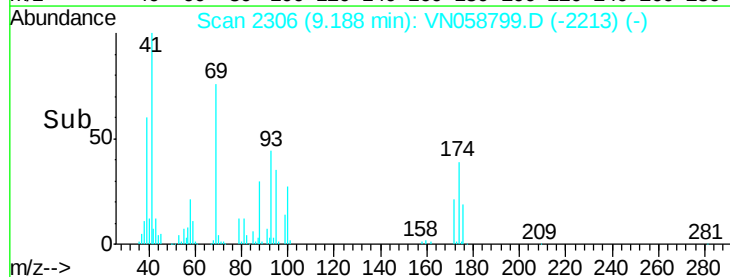
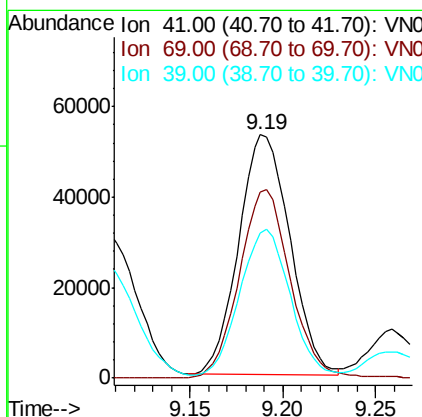
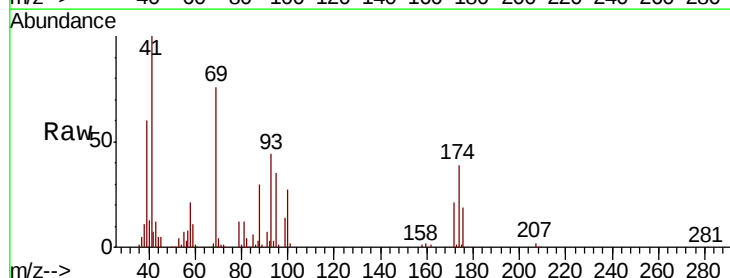
RT: 9.19 min Scan# 2306

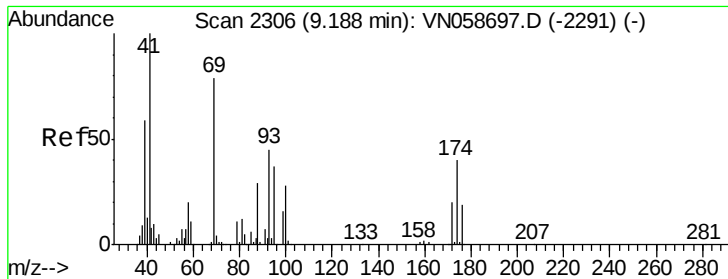
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	41	Resp:	101973
Ion	Ratio	Lower	Upper
41	100		
69	78.2	63.4	95.2
39	61.3	48.9	73.3





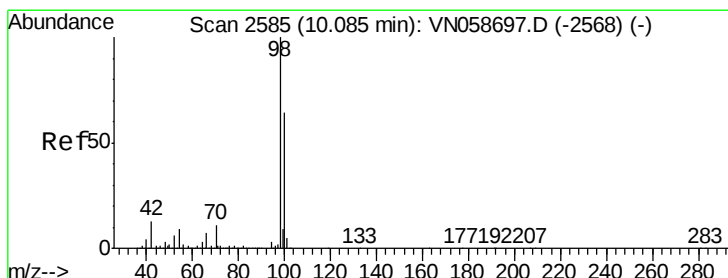
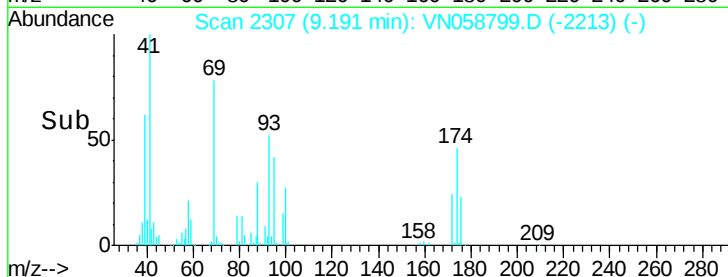
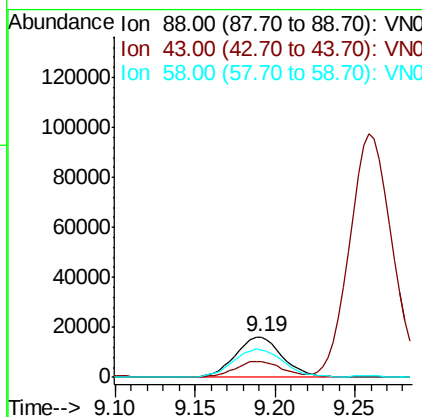
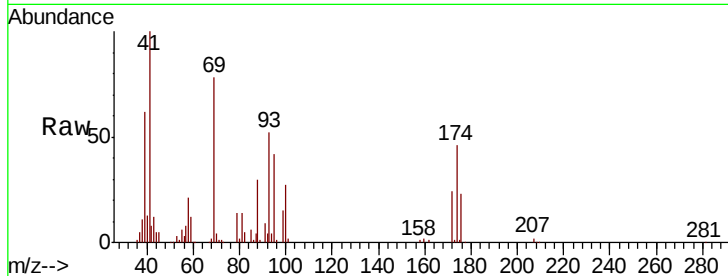
#49
1,4-Dioxane
Concen: 431.655 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	28.6	43.0
58	75.2	57.2	85.8

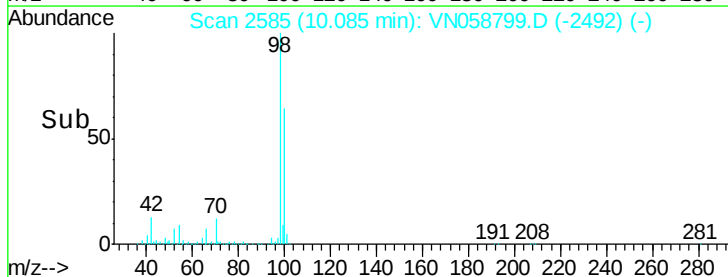
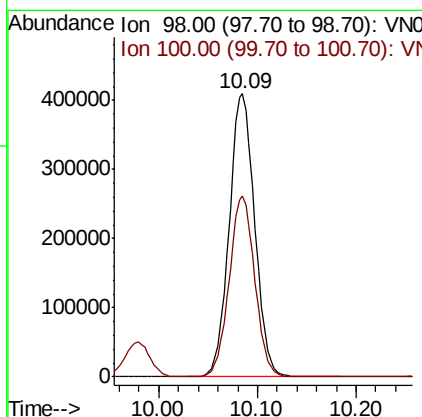
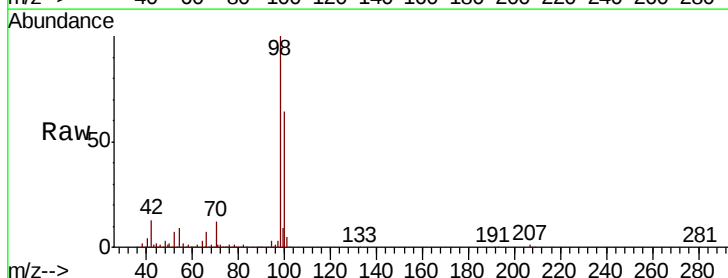
Manual Integrations
APPROVED

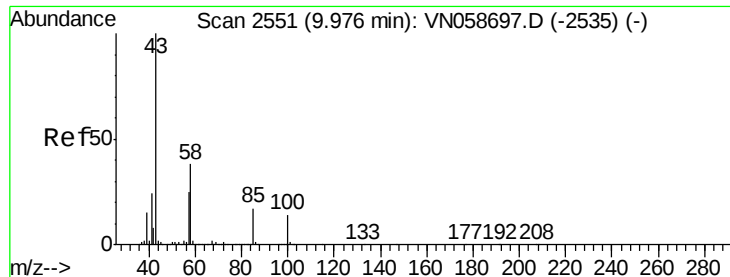
MMDadoda
10/18/2019 12:51:27 AM



#50
Toluene-d8
Concen: 48.709 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 114.759 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 43 Resp: 690100

Ion Ratio Lower Upper

43 100

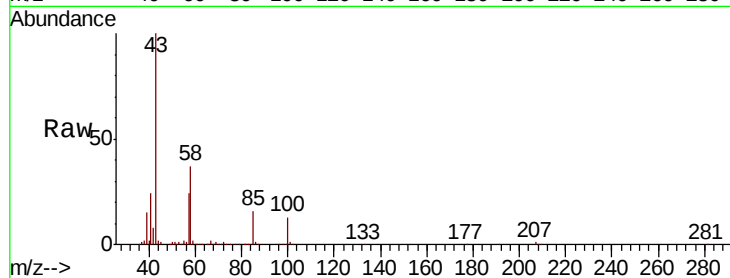
58 36.8 30.3 45.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

400000

300000

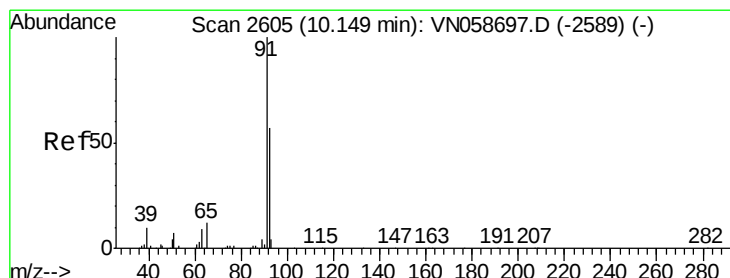
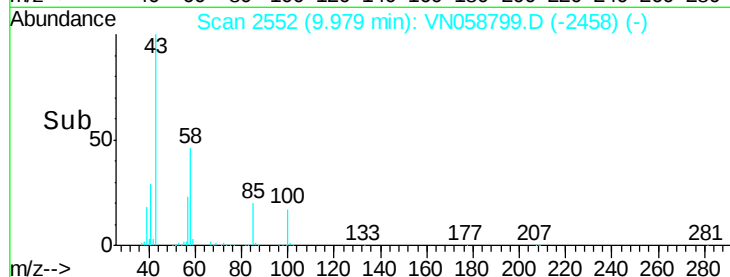
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 20.700 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058799.D

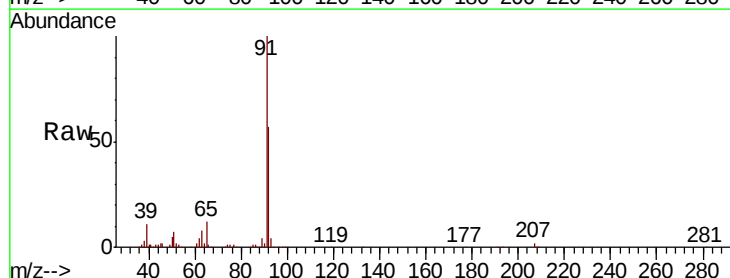
Acq: 16 Oct 2019 14:20

Tgt Ion: 92 Resp: 225987

Ion Ratio Lower Upper

92 100

91 176.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

250000

200000

150000

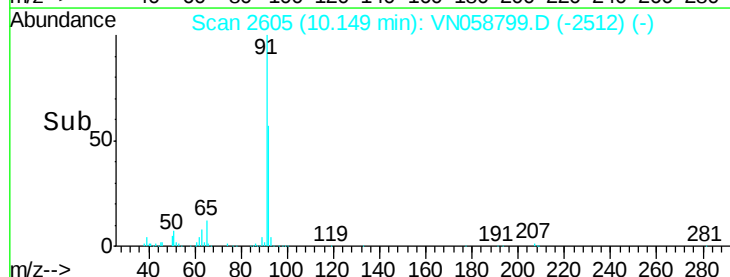
100000

50000

0

10.10 10.20

Time-->





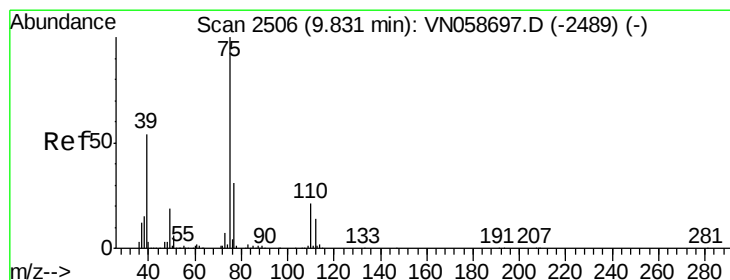
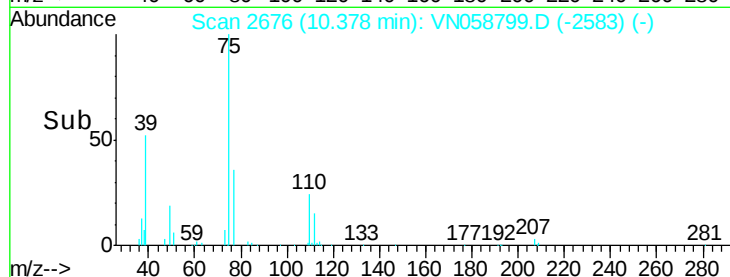
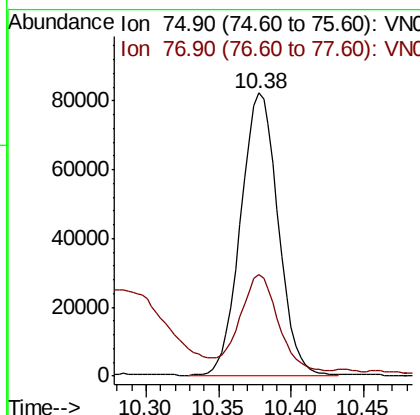
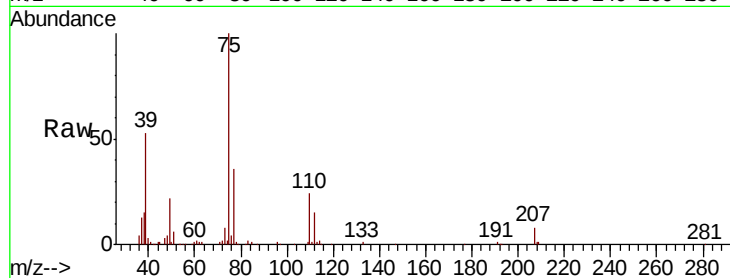
#53
t-1,3-Dichloropropene
Concen: 20.765 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	75	Resp	146923
Ion Ratio	Lower	Upper	
75	100		
77	33.7	26.2	39.4

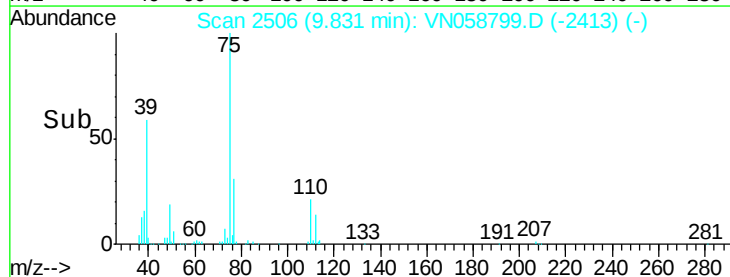
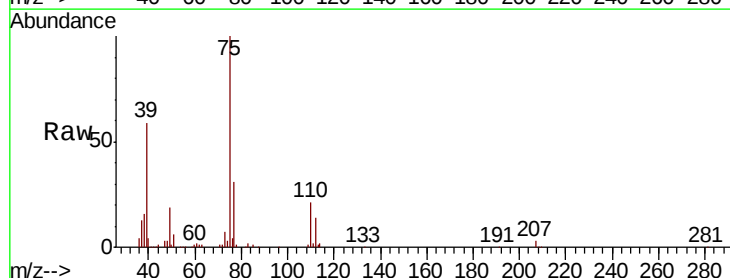
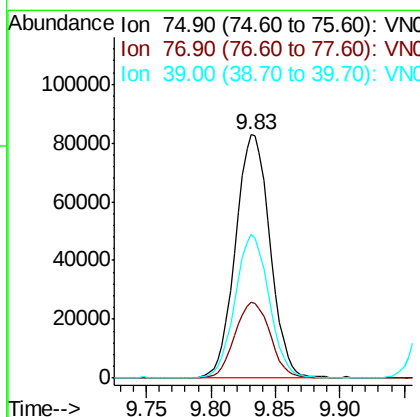
Manual Integrations
APPROVED

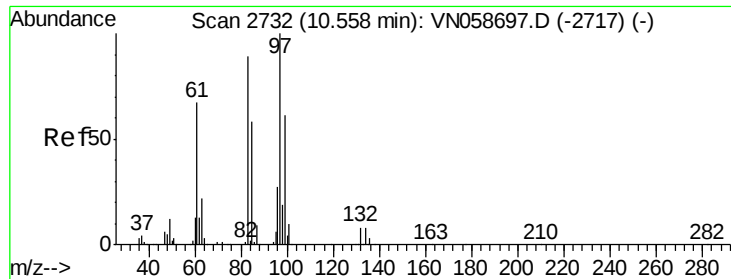
MMDadoda
10/18/2019 12:51:27 AM



#54
cis-1,3-Dichloropropene
Concen: 20.532 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	75	Resp	154245
Ion Ratio	Lower	Upper	
75	100		
77	31.4	24.4	36.6
39	58.9	43.1	64.7





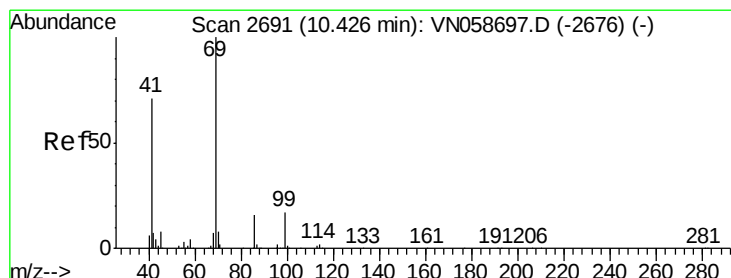
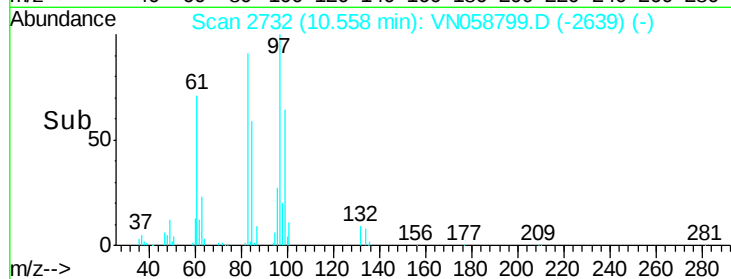
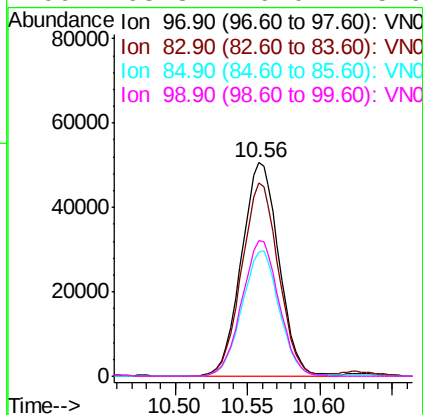
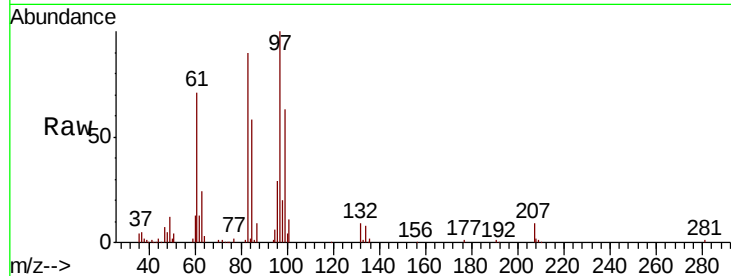
#55
 1,1,2-Trichloroethane
 Concen: 20.412 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion:	97	Resp:	91208
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.2	106.8
85	58.4	46.7	70.1
99	63.3	49.0	73.6

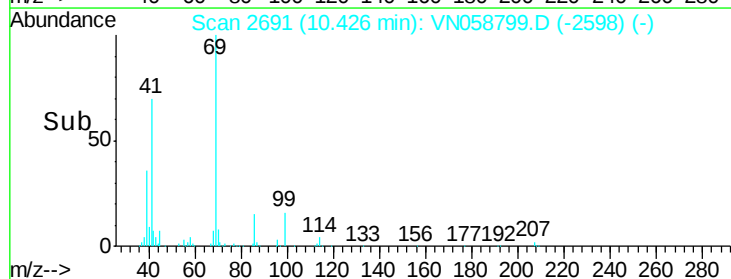
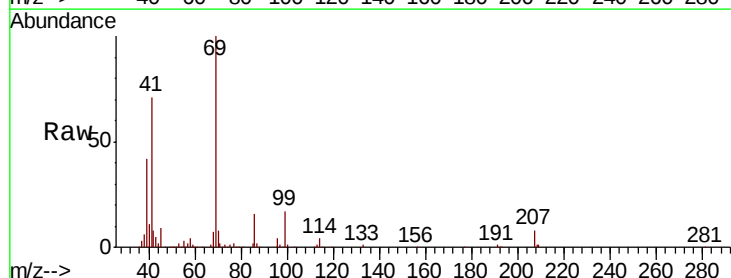
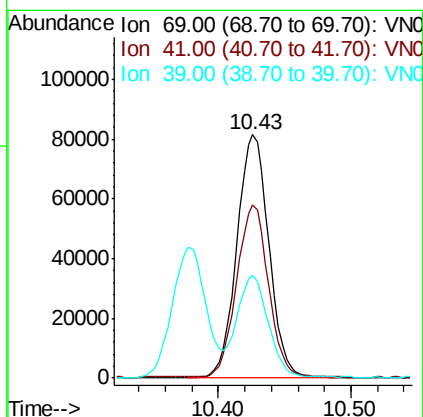
Manual Integrations
 APPROVED

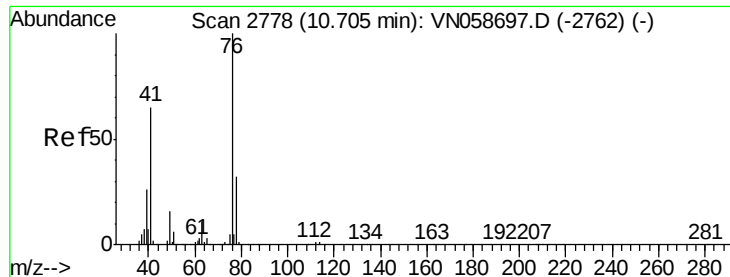
MMDadoda
 10/18/2019 12:51:27 AM



#56
 Ethyl methacrylate
 Concen: 20.989 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion:	69	Resp:	137012
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.8	85.2
39	40.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.933 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 76 Resp: 159385

Ion Ratio Lower Upper

76 100

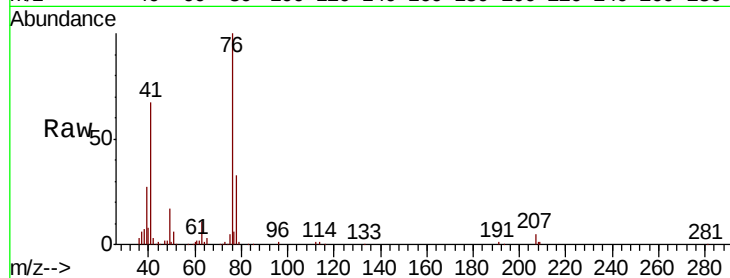
78 32.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

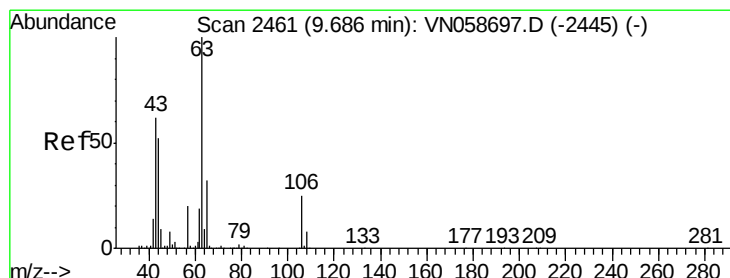
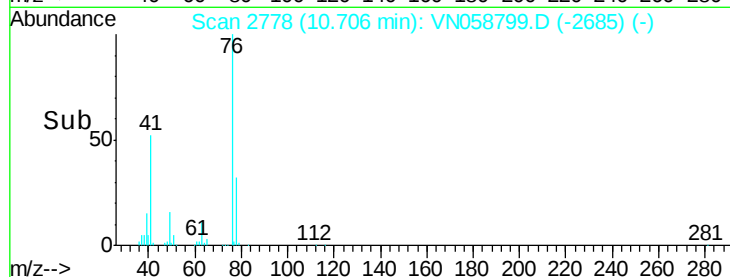
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 102.975 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058799.D

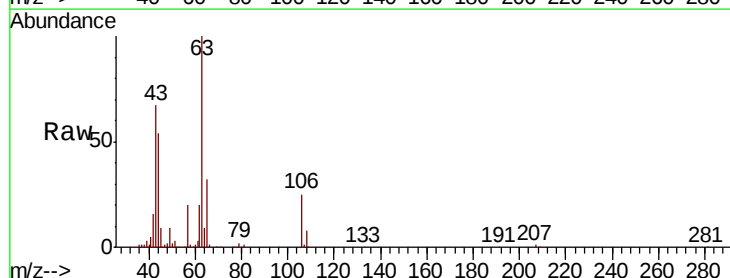
Acq: 16 Oct 2019 14:20

Tgt Ion: 63 Resp: 323949

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

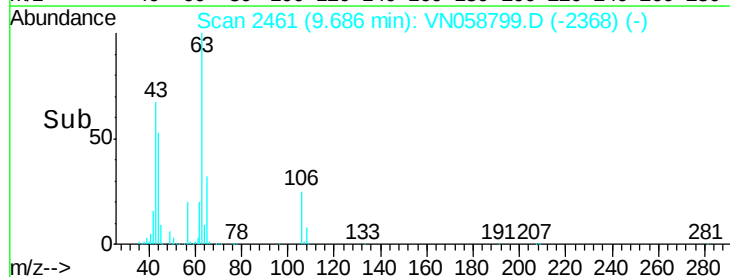
150000

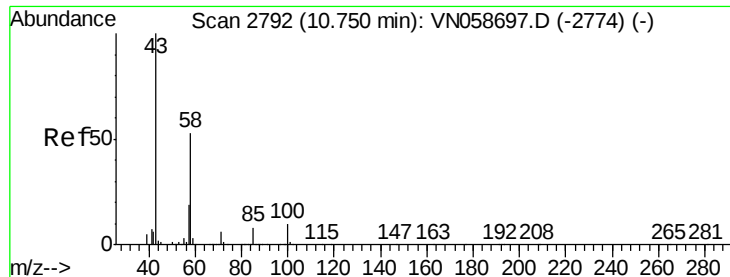
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





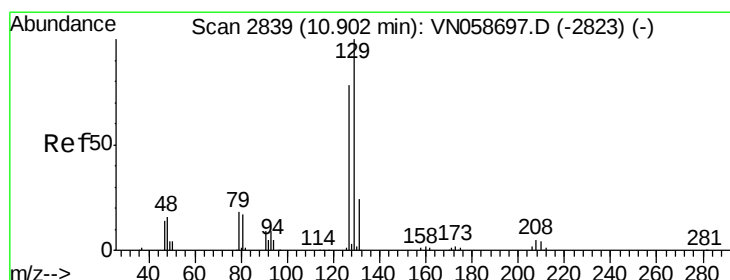
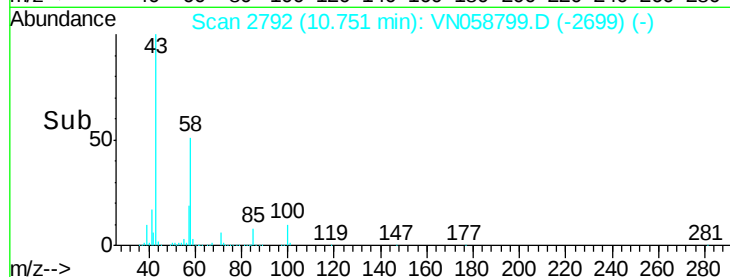
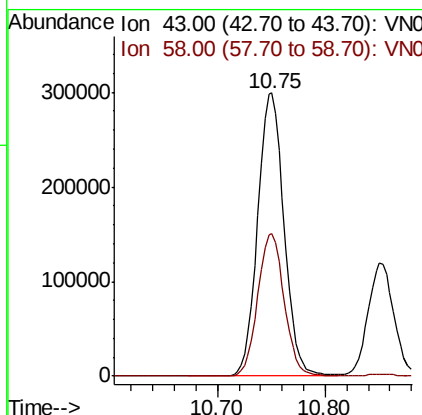
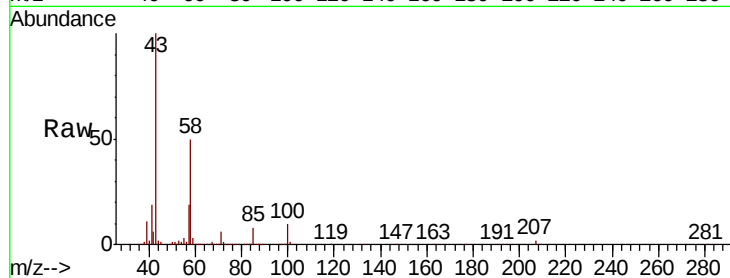
#59
2-Hexanone
Concen: 109.058 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 43 Resp: 506815
Ion Ratio Lower Upper
43 100
58 50.6 26.1 78.3

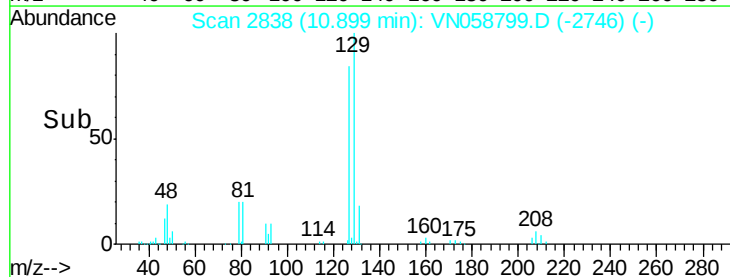
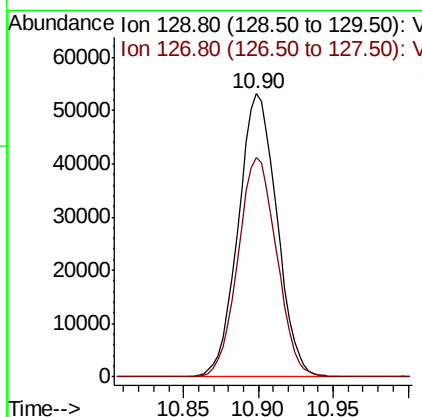
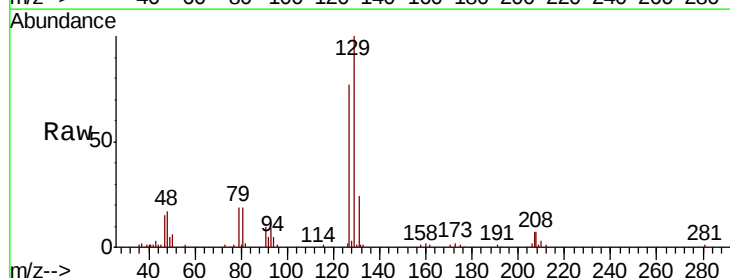
Manual Integrations
APPROVED

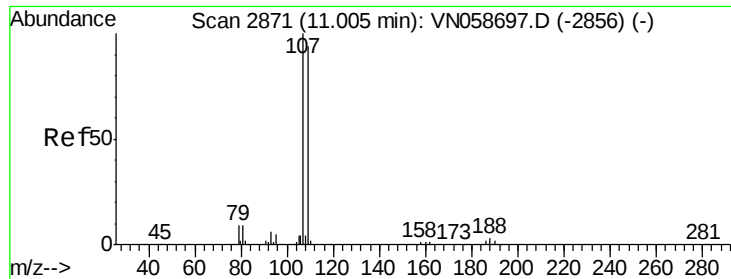
MMDadoda
10/18/2019 12:51:27 AM



#60
Dibromochloromethane
Concen: 20.736 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion:129 Resp: 95577
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





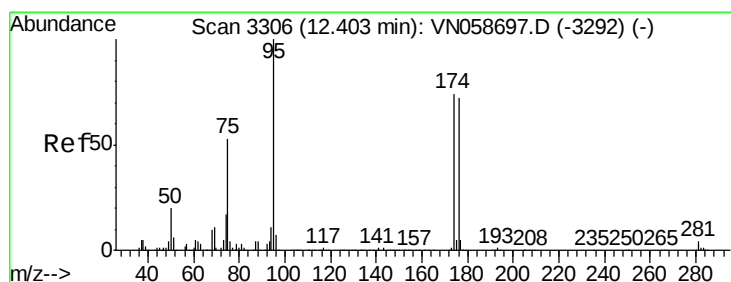
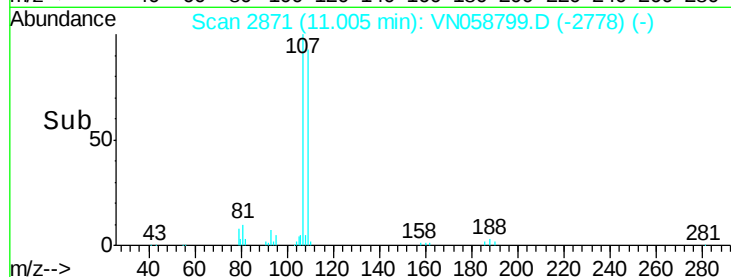
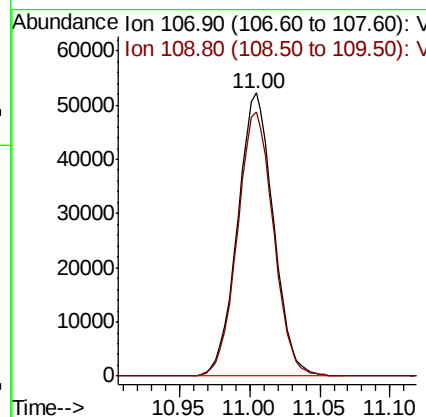
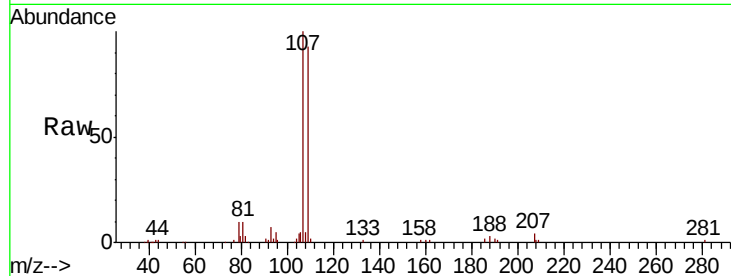
#61
1,2-Dibromoethane
Concen: 20.781 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 107 Resp: 93025
Ion Ratio Lower Upper
107 100
109 93.8 75.4 113.0

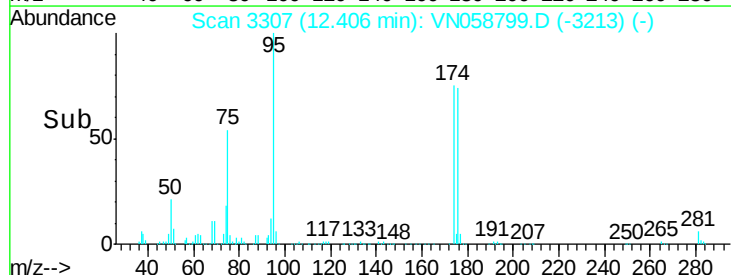
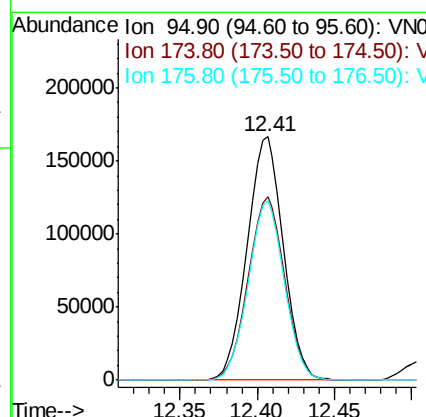
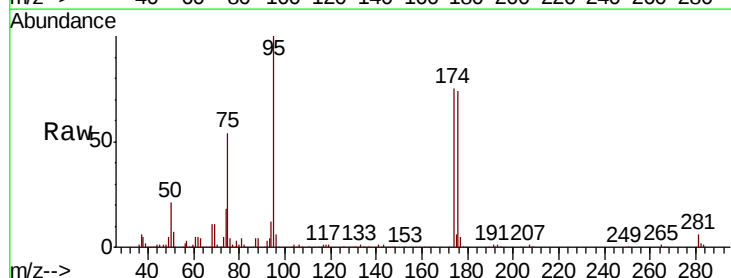
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#62
4-Bromofluorobenzene
Concen: 47.328 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion: 95 Resp: 272002
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.4
176 73.4 0.0 146.8





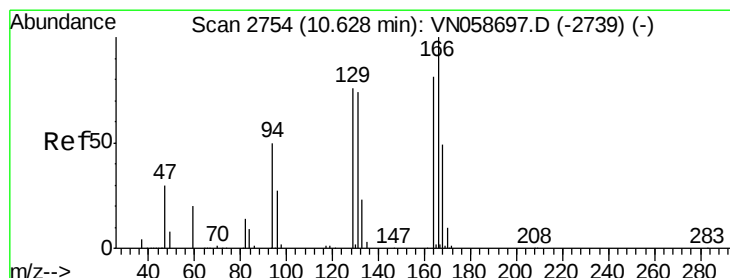
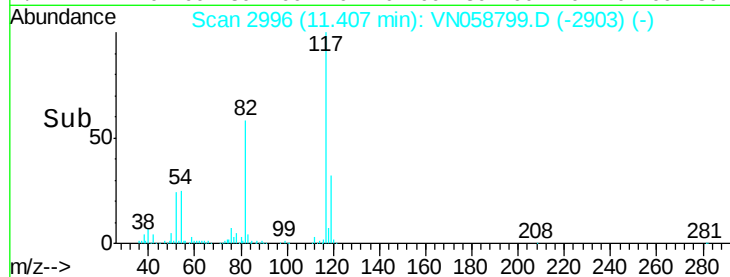
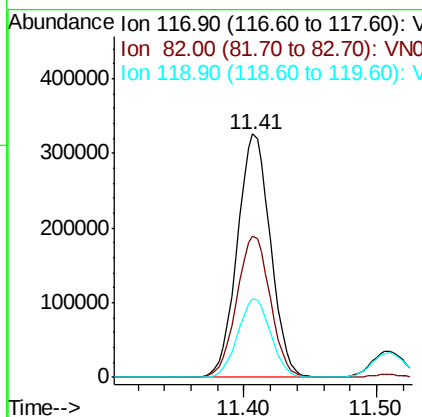
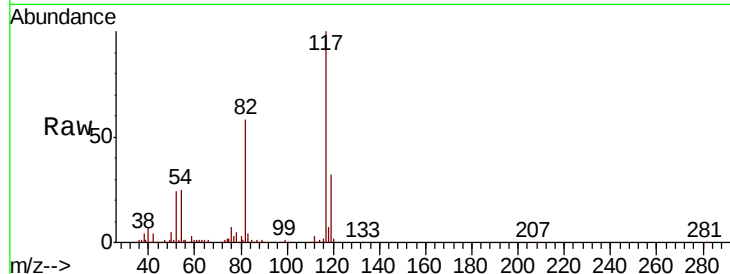
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	564581		
82	58.1		47.0	70.4
119	32.1		25.4	38.2

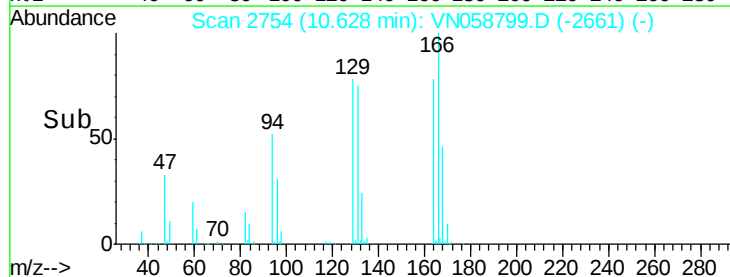
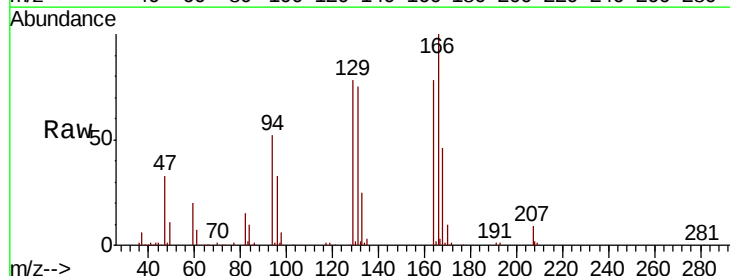
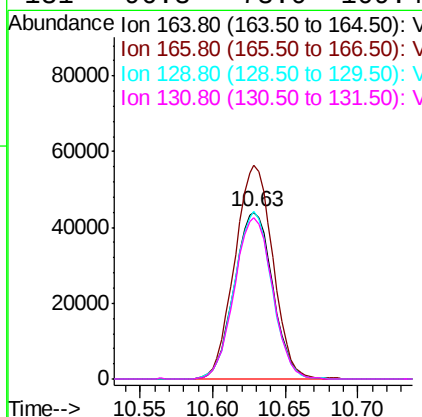
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#64
Tetrachloroethene
Concen: 20.507 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81027		
166	128.0		99.3	148.9
129	100.4		75.2	112.8
131	96.3		73.0	109.4





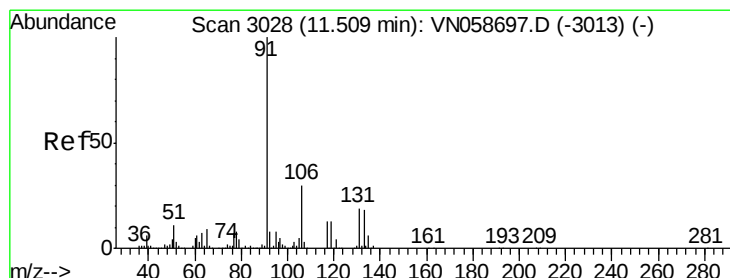
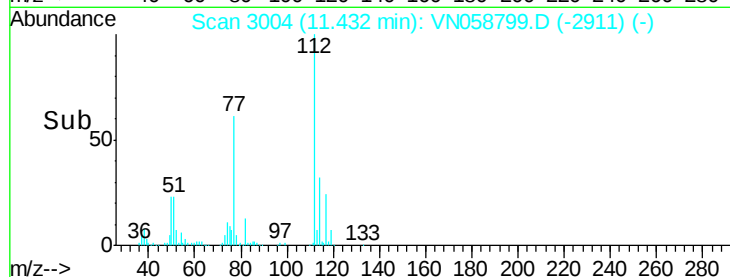
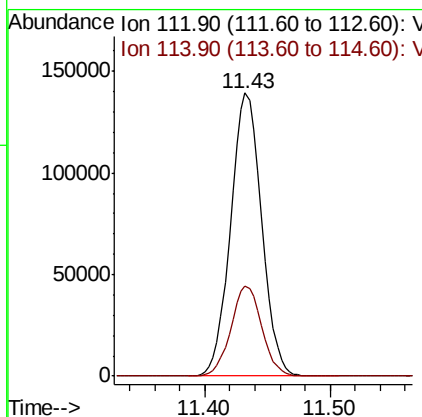
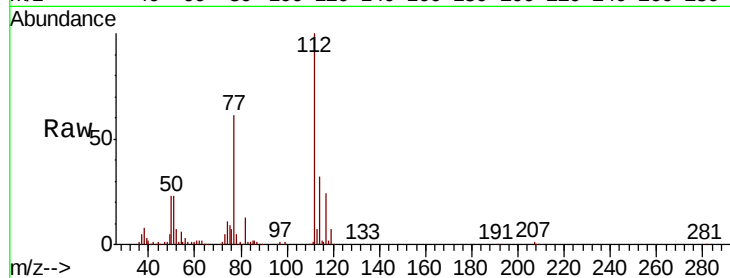
#65
Chlorobenzene
Concen: 20.869 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.2	37.8

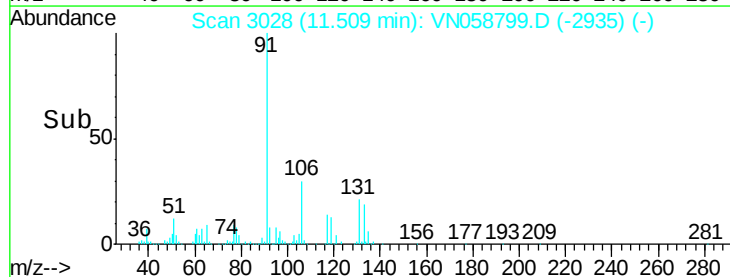
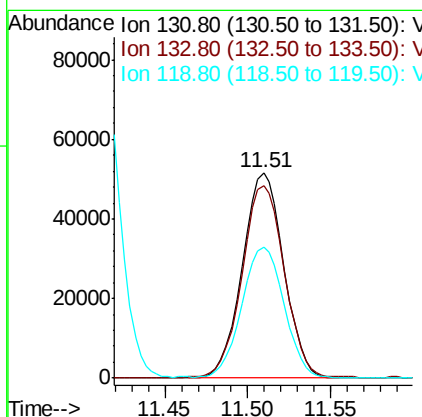
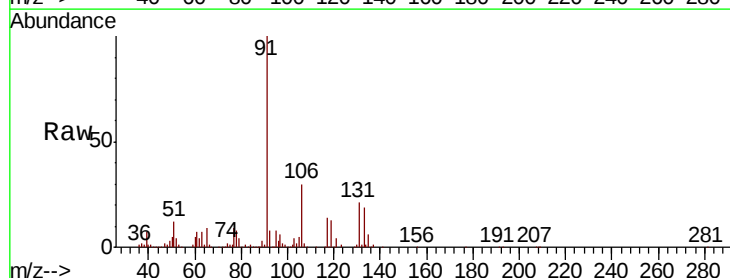
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.124 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.6	142.9
119	65.5	33.0	98.9





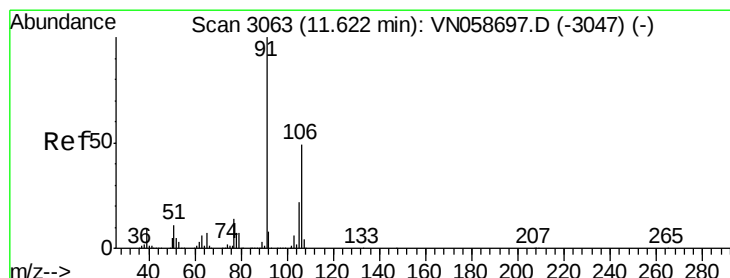
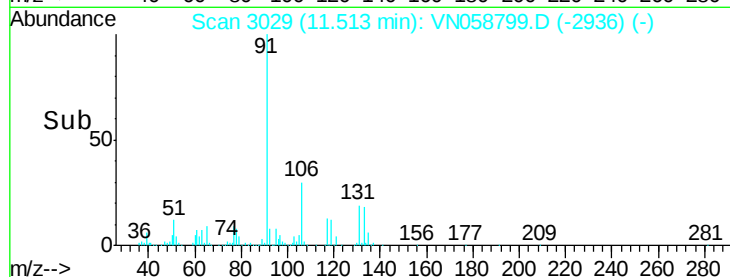
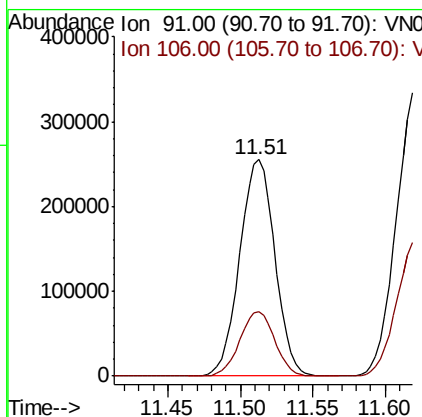
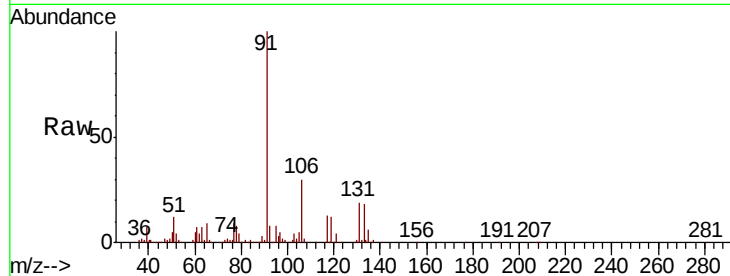
#67
Ethyl Benzene
Concen: 21.126 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 91 Resp: 431764
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

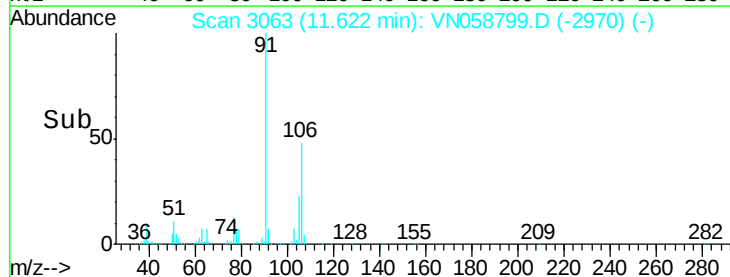
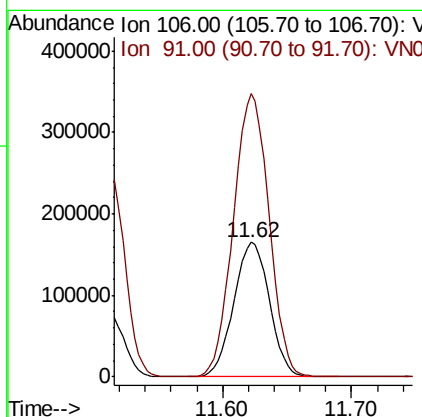
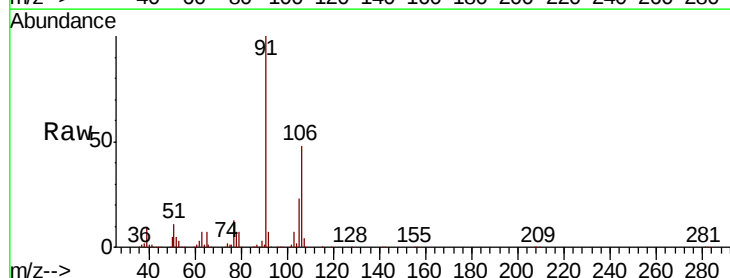
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#68
m/p-Xylenes
Concen: 41.362 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion: 106 Resp: 317243
Ion Ratio Lower Upper
106 100
91 210.3 165.7 248.5





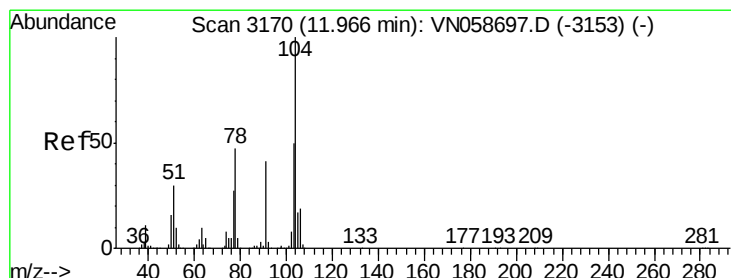
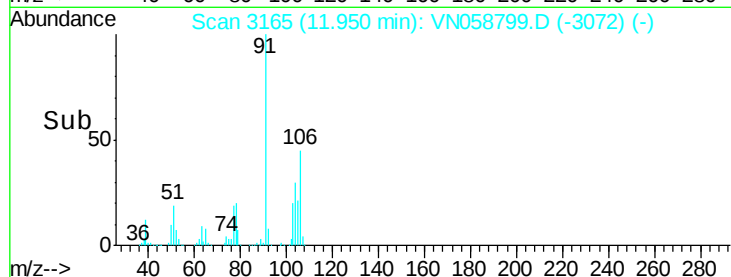
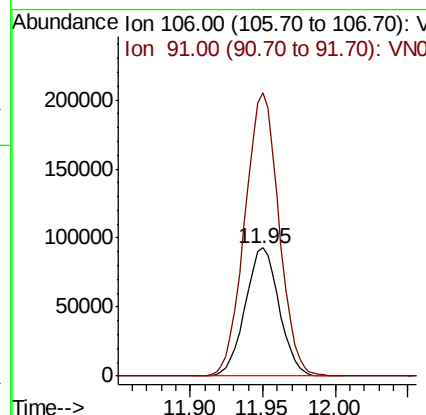
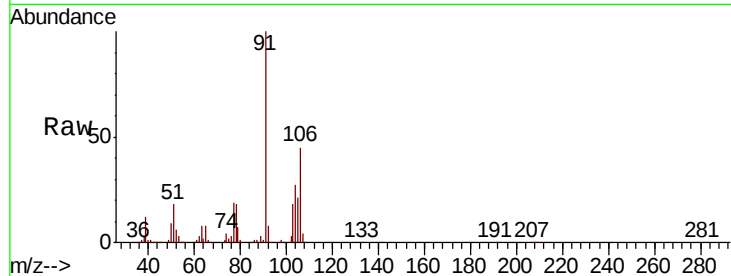
#69
o-Xylene
Concen: 20.401 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		151389		
91	221.6	110.9	332.9		

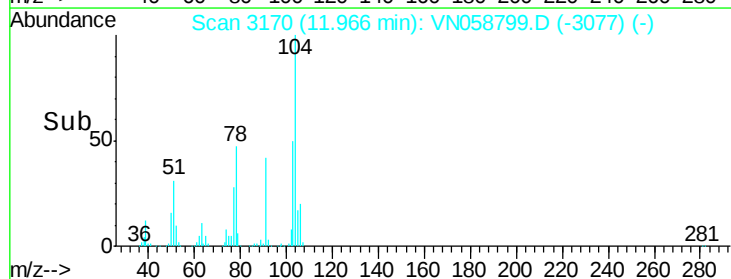
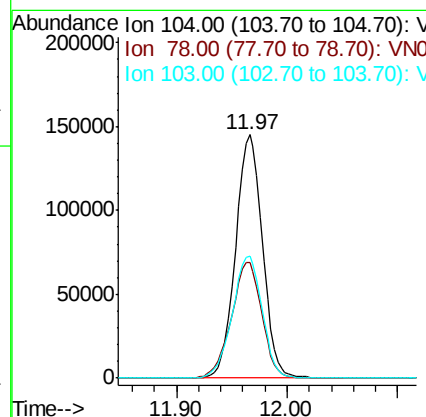
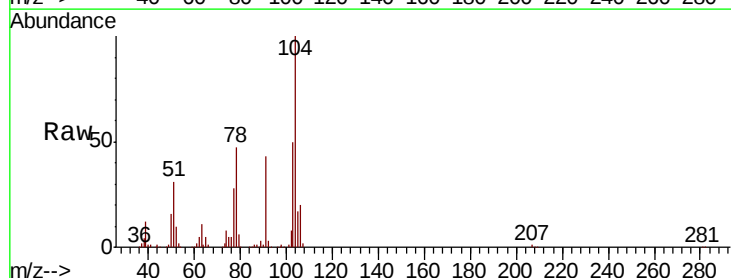
Manual Integrations
APPROVED

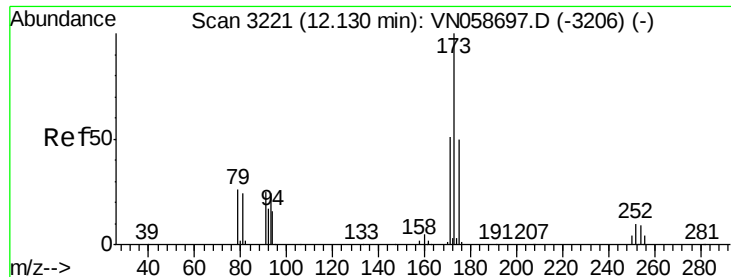
MMDadoda
10/18/2019 12:51:27 AM



#70
Styrene
Concen: 20.228 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		246024		
78	53.8	42.2	63.2		
103	55.7	43.7	65.5		





#71

Bromoform

Concen: 21.328 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:173 Resp: 66278

Ion Ratio Lower Upper

173 100

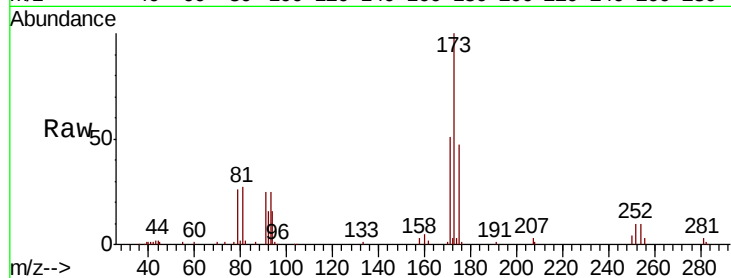
175 46.9 24.6 73.8

254 0.0 0.1 0.1#

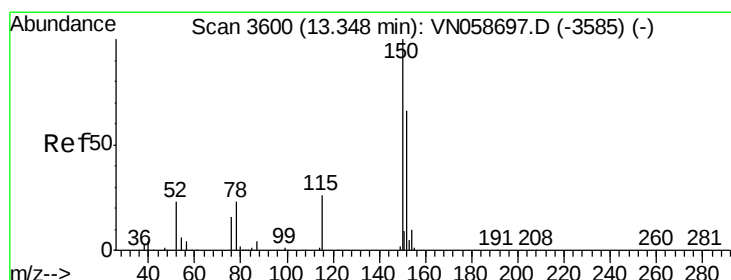
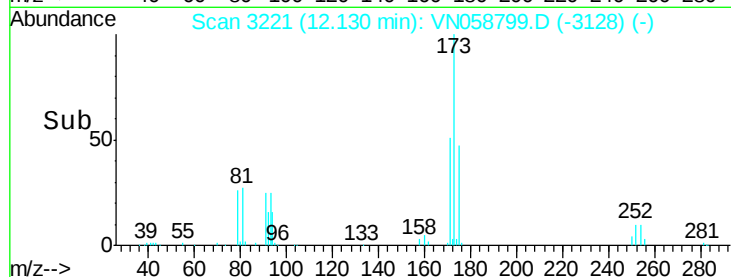
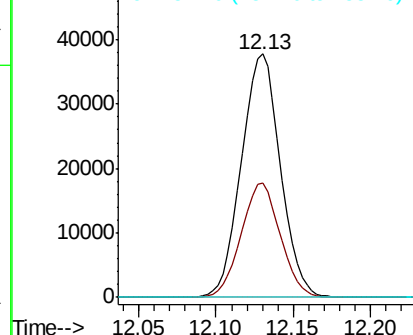
Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

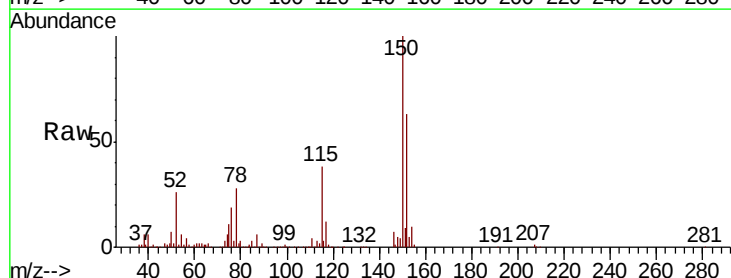
Tgt Ion:152 Resp: 267267

Ion Ratio Lower Upper

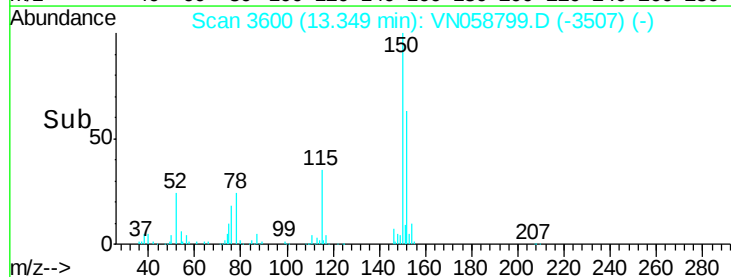
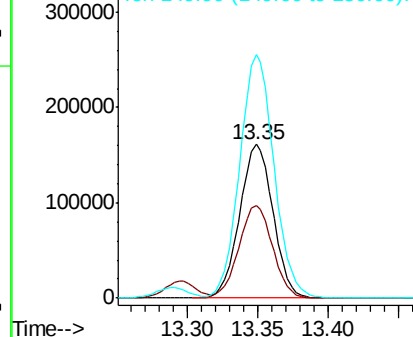
152 100

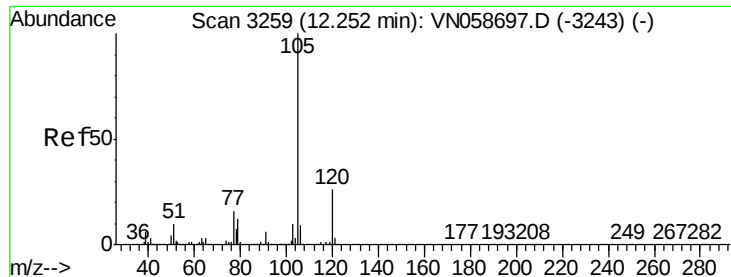
115 60.5 30.4 91.2

150 162.9 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.375 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:105 Resp: 413746

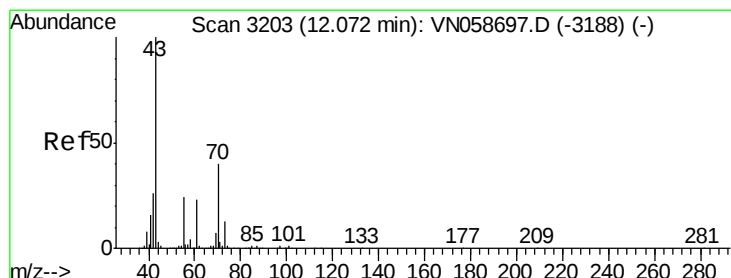
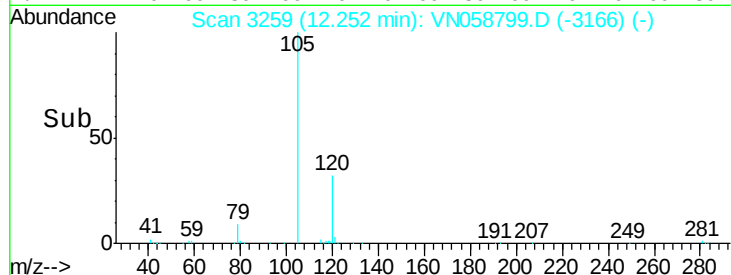
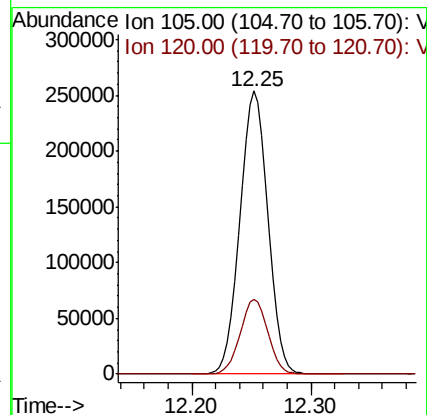
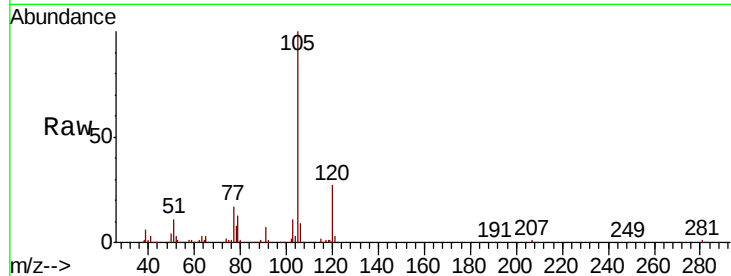
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#74

N-ethyl acetate

Concen: 21.109 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion: 43 Resp: 183515

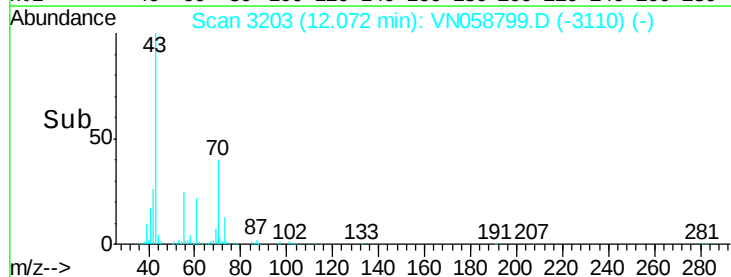
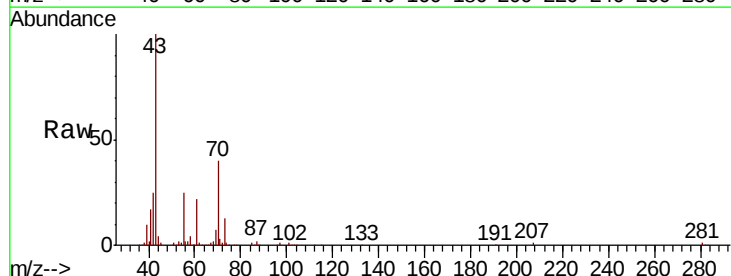
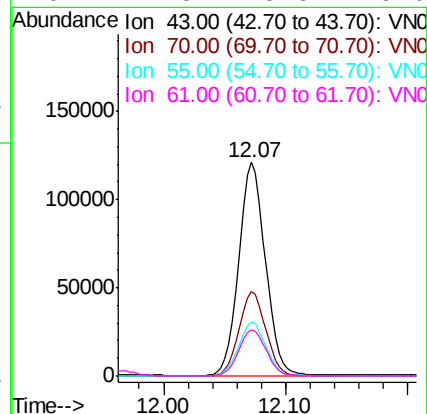
Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 25.8 19.6 29.4

61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.784 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 83 Resp: 138908

Ion Ratio Lower Upper

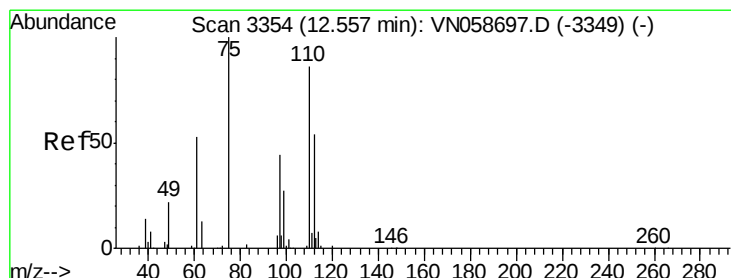
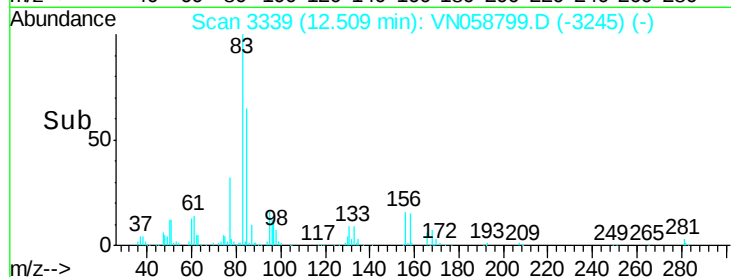
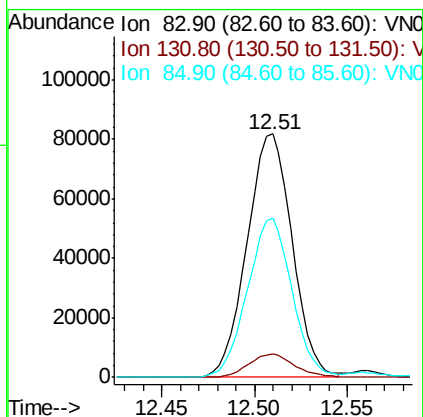
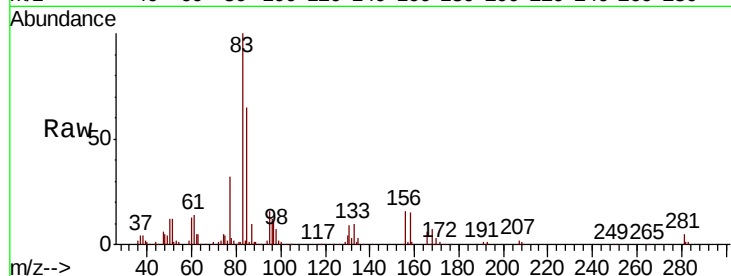
83 100

131 9.7 4.8 14.4

85 64.2 31.9 95.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#76

1,2,3-Trichloropropane

Concen: 21.421 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058799.D

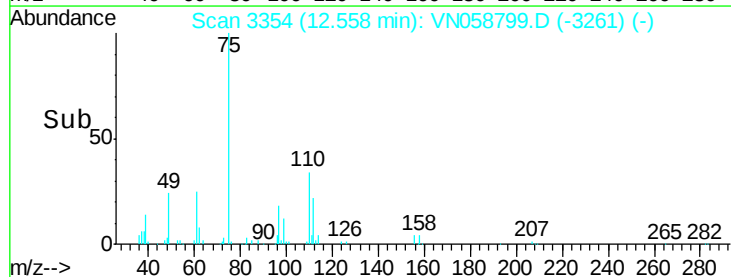
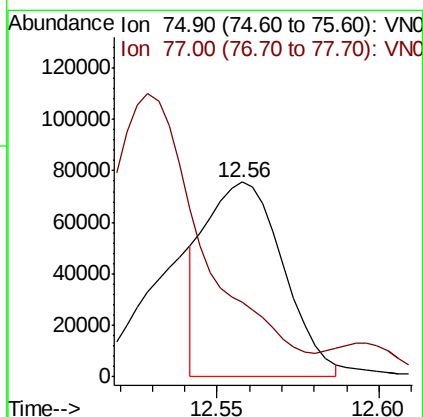
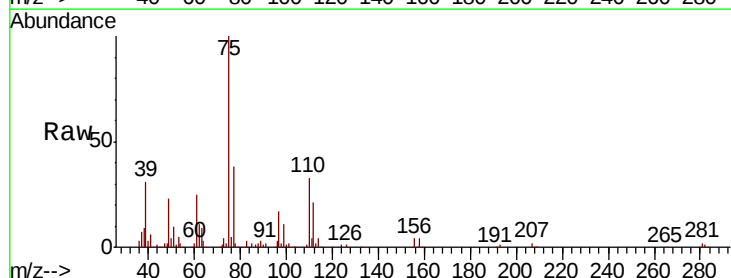
Acq: 16 Oct 2019 14:20

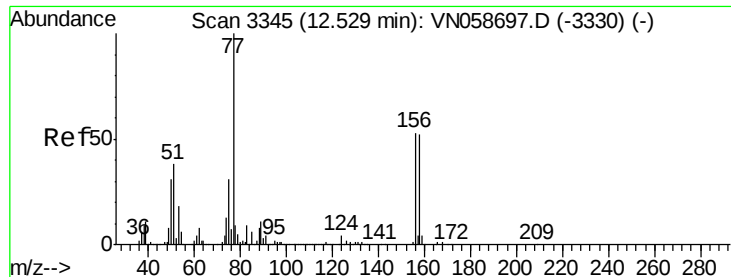
Tgt Ion: 75 Resp: 125595

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.097 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

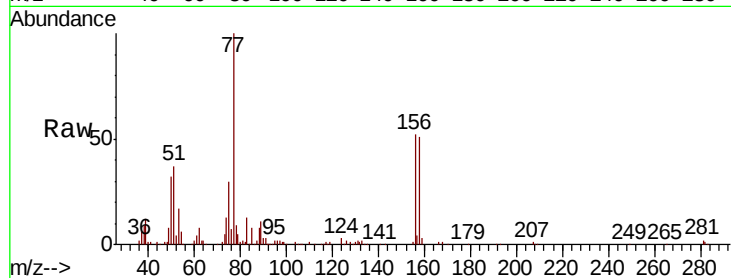
ClientSampleId :

VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.5	115.8	347.3
158	96.9	48.9	146.6

Manual Integrations
APPROVED

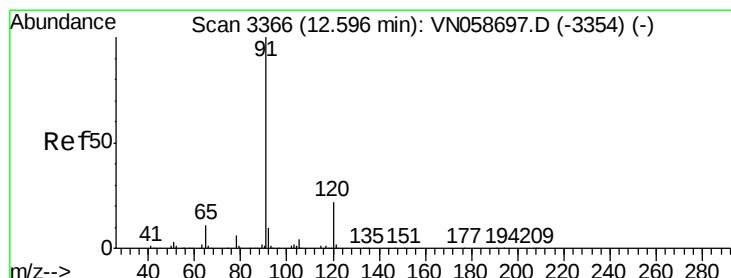
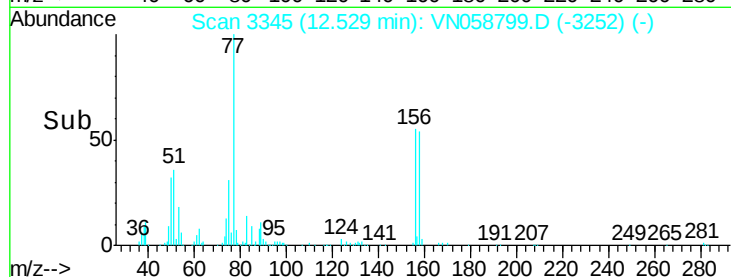
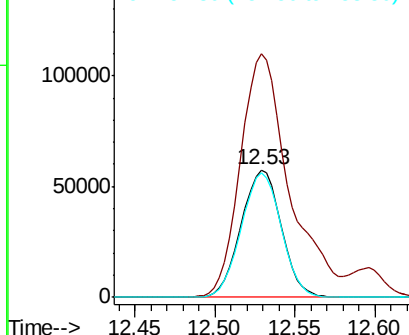
MMDadoda
10/18/2019 12:51:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.798 ug/l

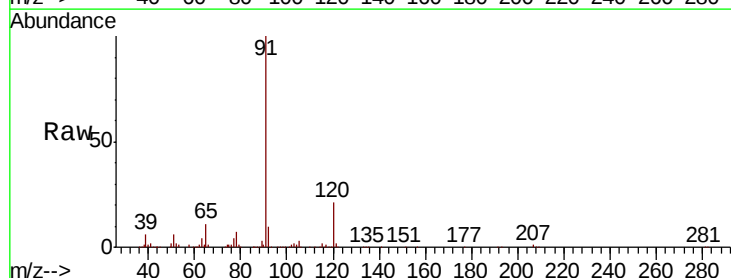
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058799.D

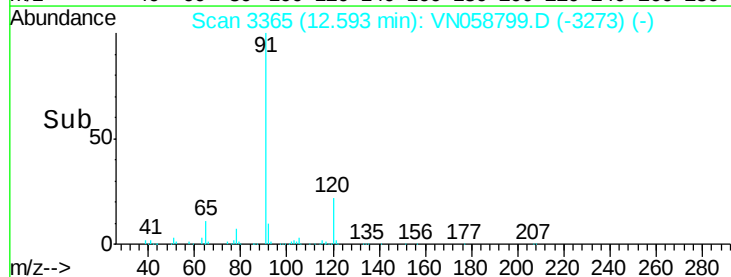
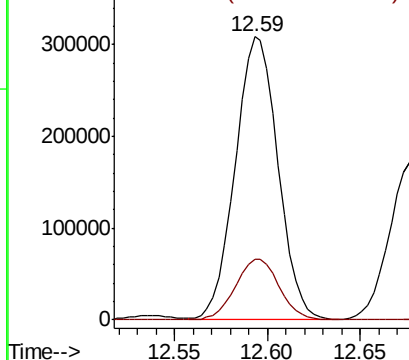
Acq: 16 Oct 2019 14:20

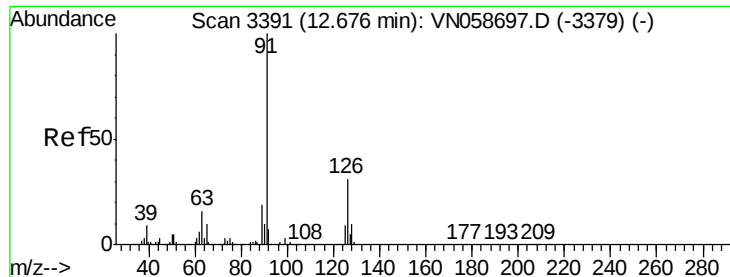
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.741 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 91 Resp: 290354

Ion Ratio Lower Upper

91 100

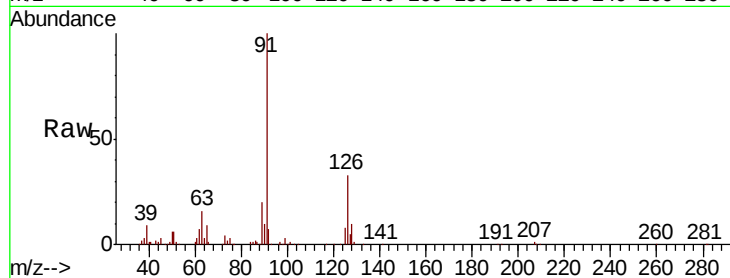
126 32.9 16.2 48.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058799.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058799.D (-3298) (-)

300000

250000

200000

150000

100000

50000

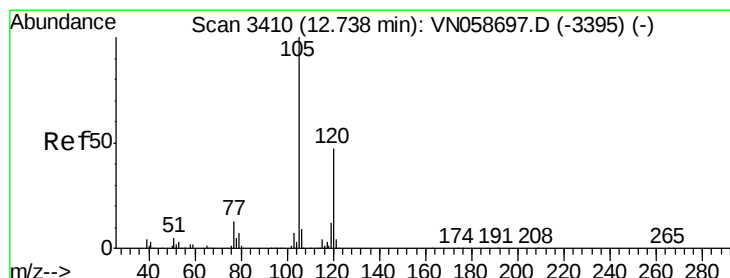
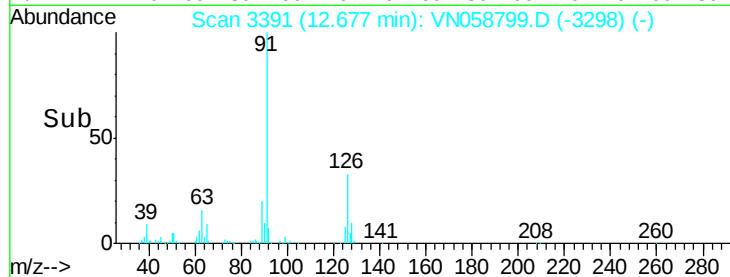
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.218 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058799.D

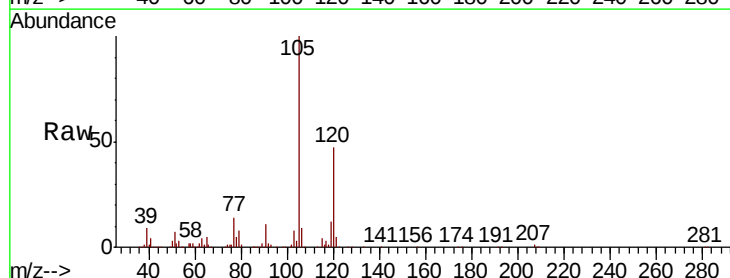
Acq: 16 Oct 2019 14:20

Tgt Ion: 105 Resp: 350627

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058799.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058799.D (-3317) (-)

250000

200000

150000

100000

50000

0

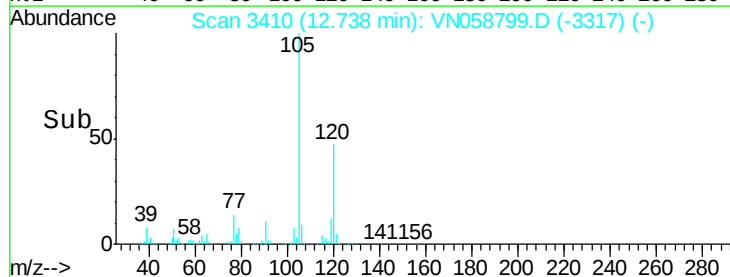
12.65

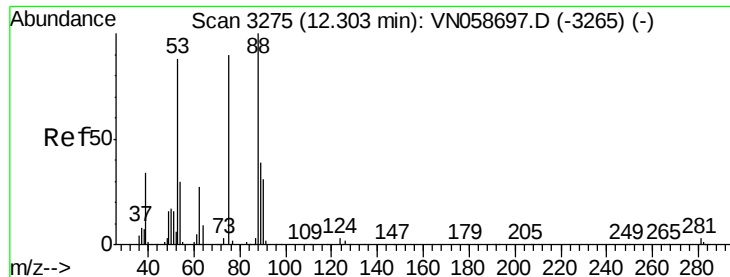
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.558 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

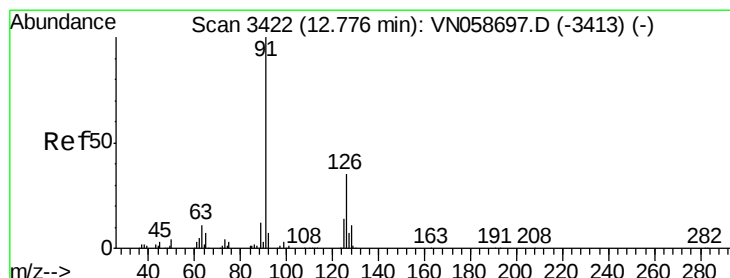
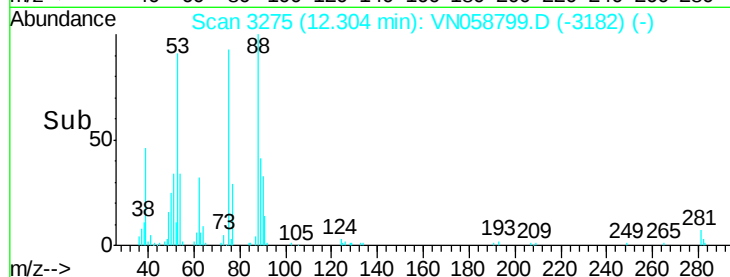
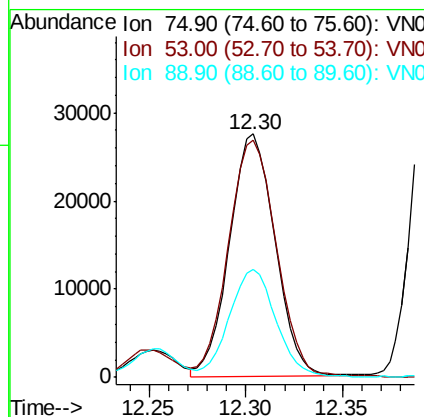
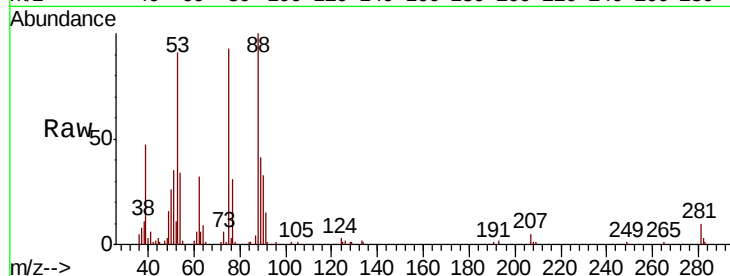
ClientSampleId :

VN1016WBSD01

Tot Ion:	75	Resp:	44997
Ion	Ratio	Lower	Upper
75	100		
53	102.0	78.4	117.6
89	45.8	34.9	52.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#82

4-Chlorotoluene

Concen: 20.939 ug/l

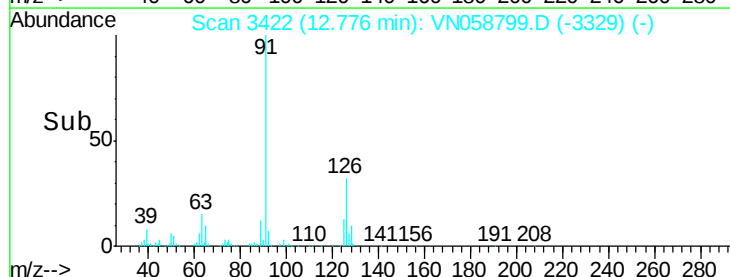
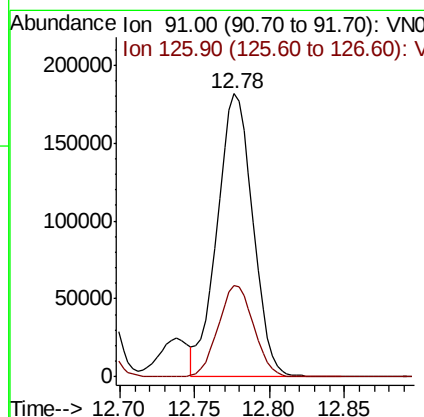
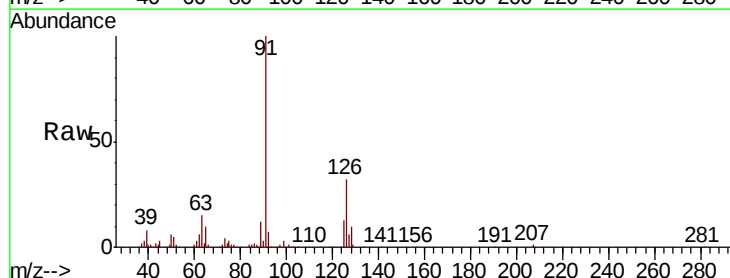
RT: 12.78 min Scan# 3422

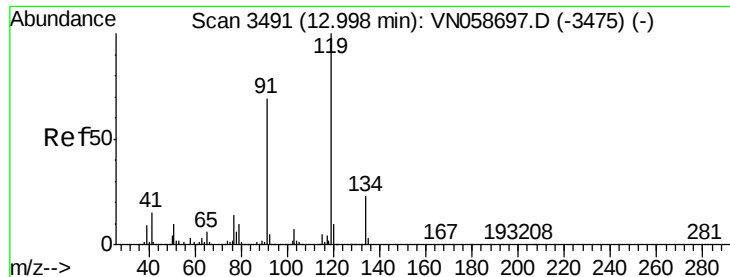
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	91	Resp:	300800
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





#83

tert-Butylbenzene

Concen: 21.075 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058799.D

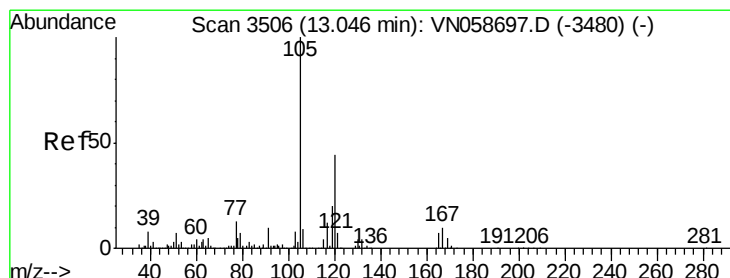
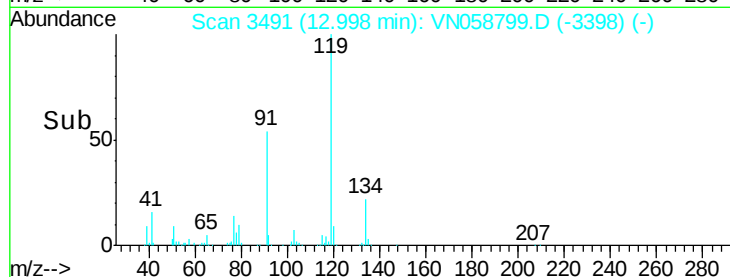
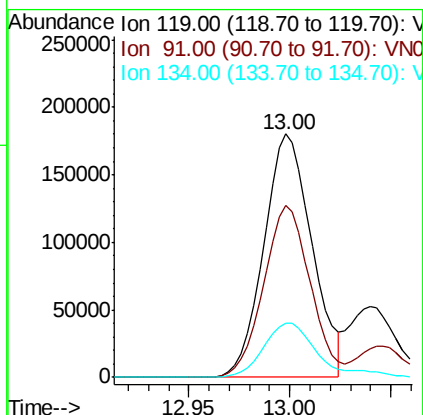
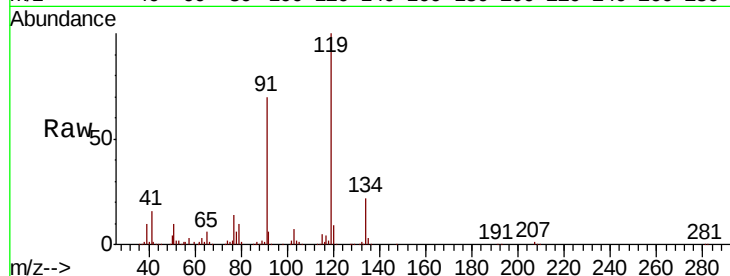
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.8	101.3
134	23.4	12.6	37.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.612 ug/l

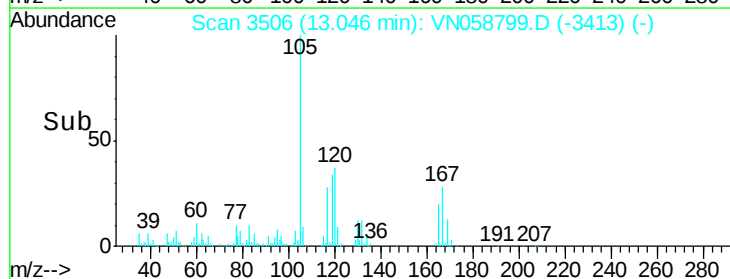
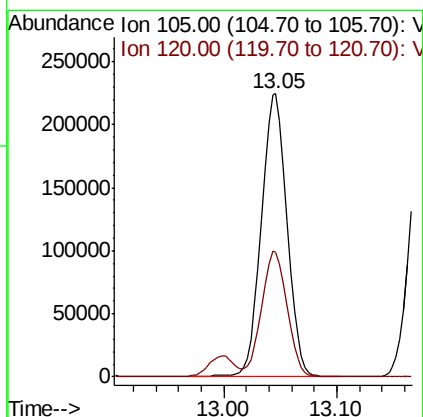
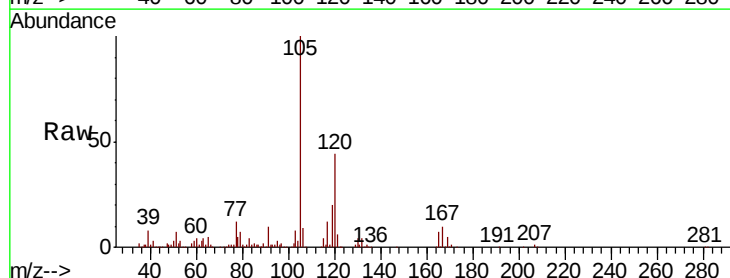
RT: 13.05 min Scan# 3506

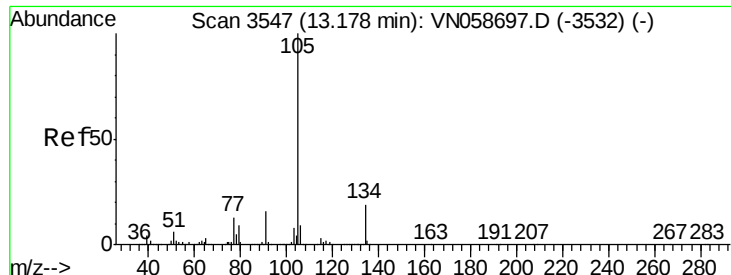
Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





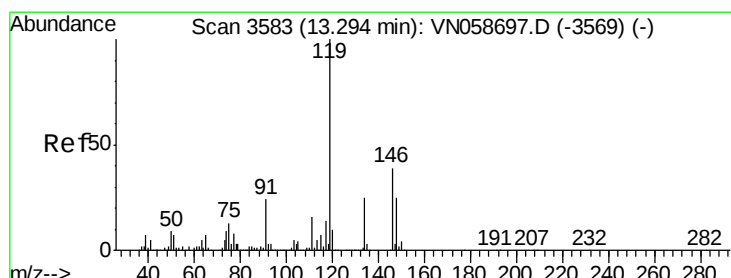
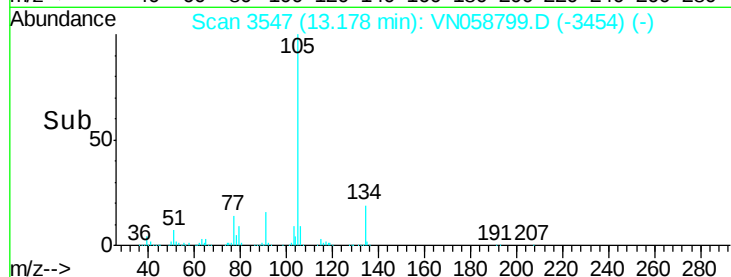
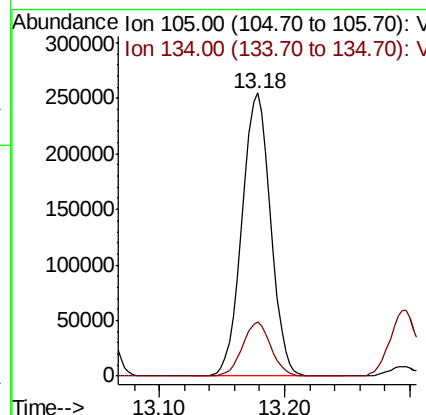
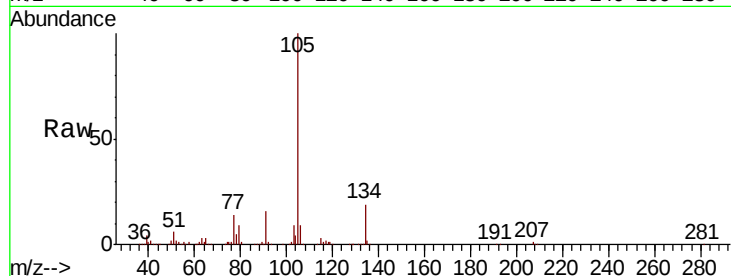
#85
 sec-Butylbenzene
 Concen: 21.606 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	403040		
134	19.1	9.7	29.1	

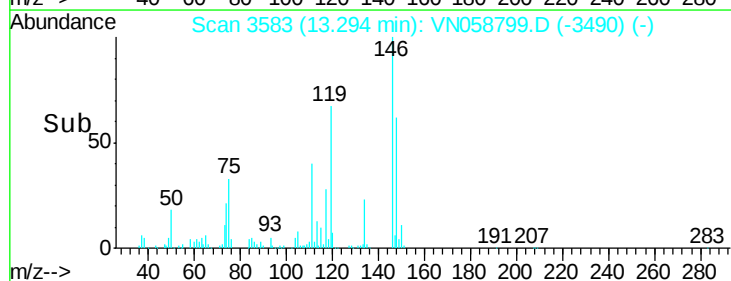
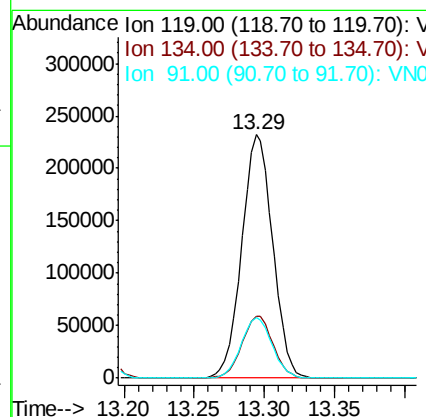
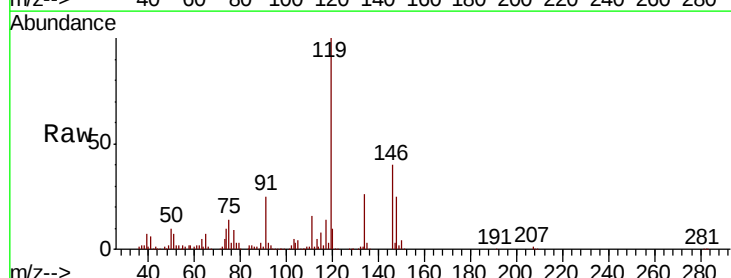
Manual Integrations
 APPROVED

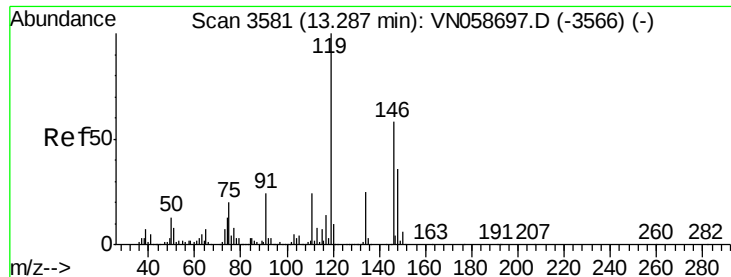
MMDadoda
 10/18/2019 12:51:27 AM



#86
 p-Isopropyltoluene
 Concen: 20.989 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	355837		
134	25.7	12.7	38.1	
91	25.0	11.9	35.5	





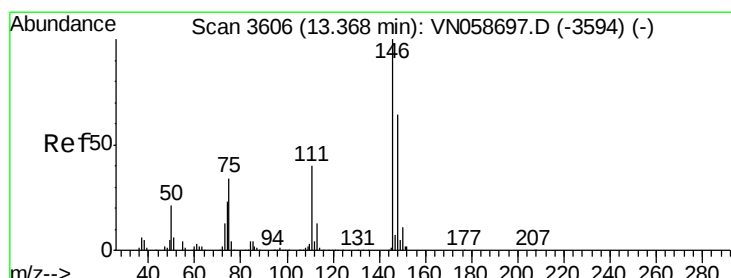
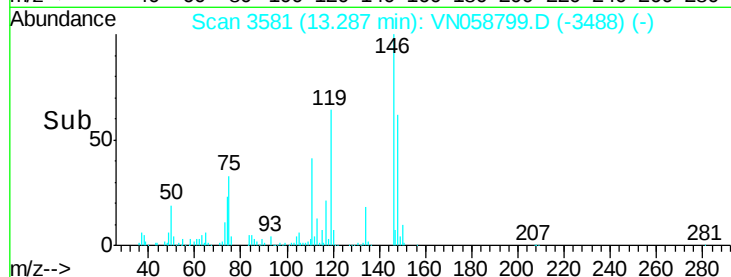
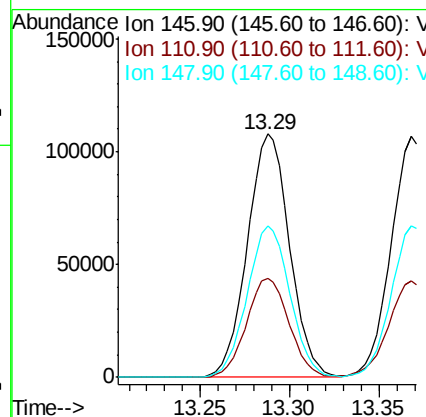
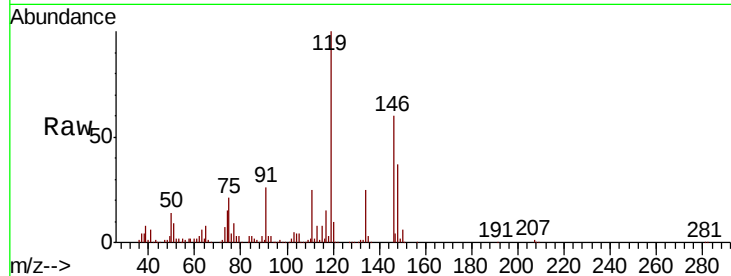
#87
 1,3-Dichlorobenzene
 Concen: 20.498 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.0	31.3	93.9

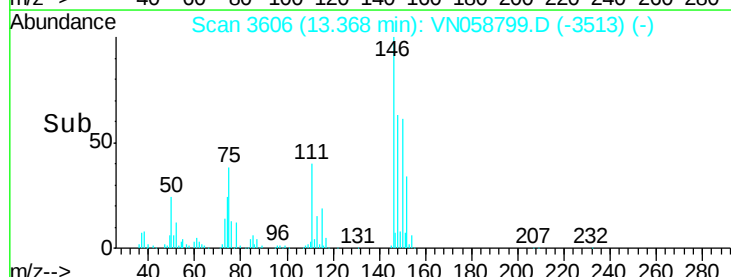
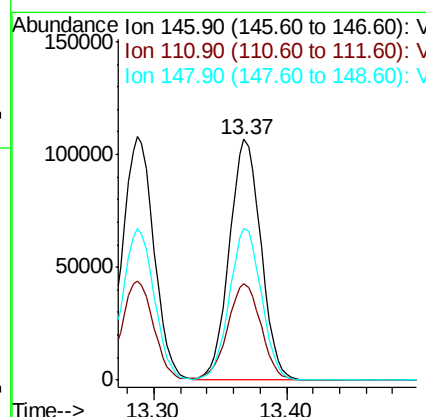
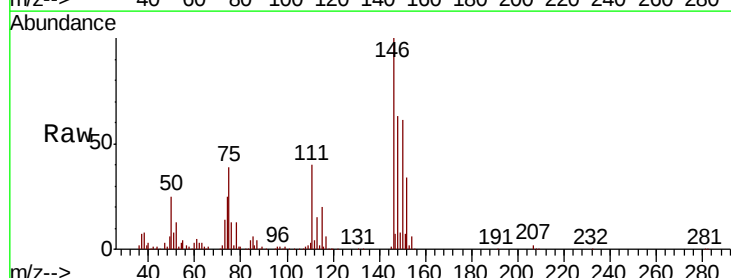
Manual Integrations
 APPROVED

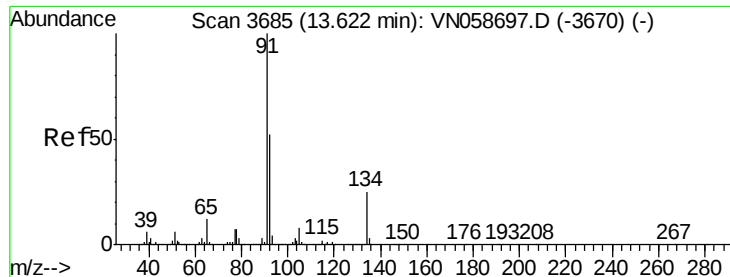
MMDadoda
 10/18/2019 12:51:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.2
148	63.6	31.9	95.7





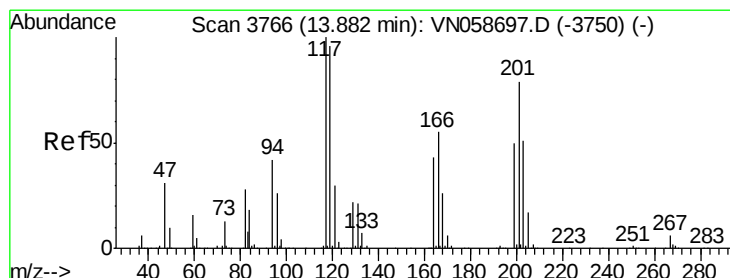
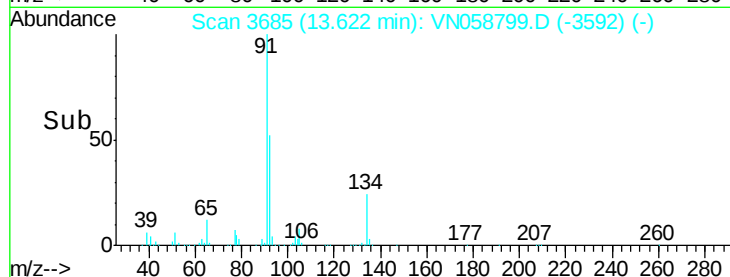
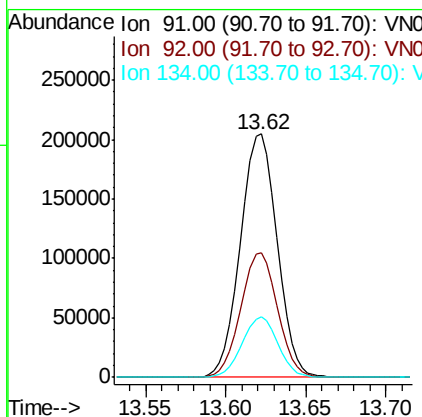
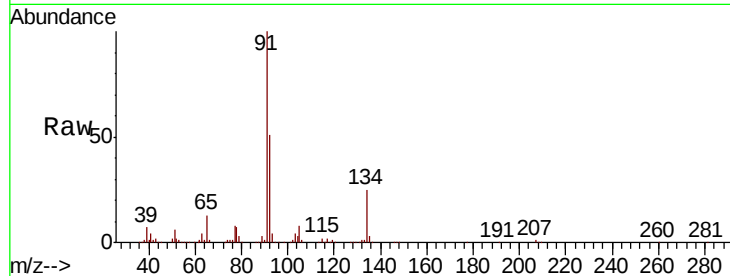
#89
n-Butylbenzene
Concen: 20.412 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	24.3	12.2	36.6

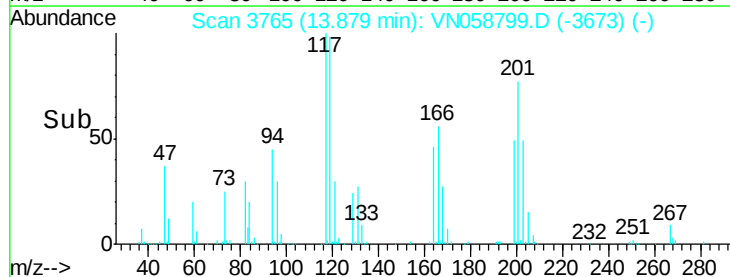
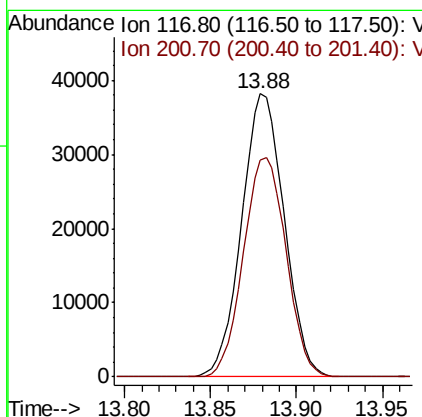
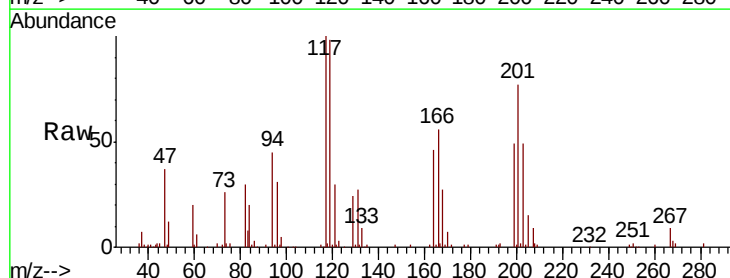
Manual Integrations
APPROVED

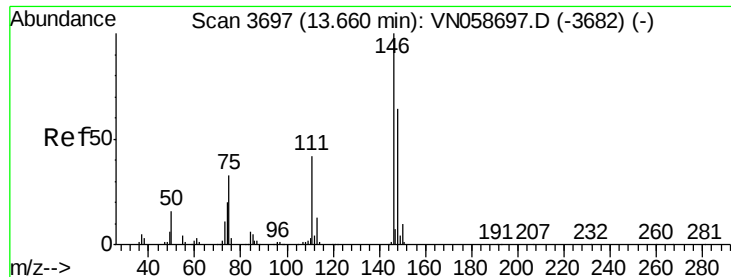
MMDadoda
10/18/2019 12:51:27 AM



#90
Hexachloroethane
Concen: 21.695 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058799.D
Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 20.953 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

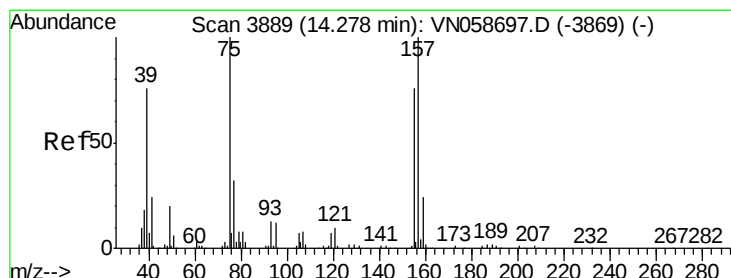
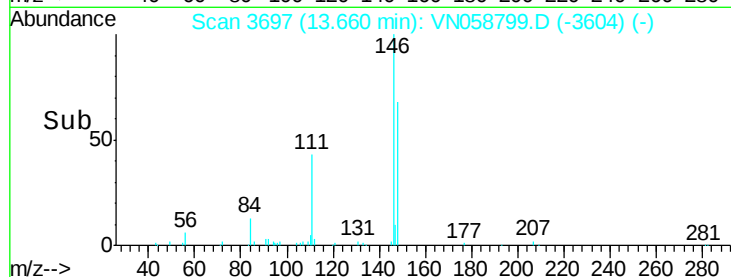
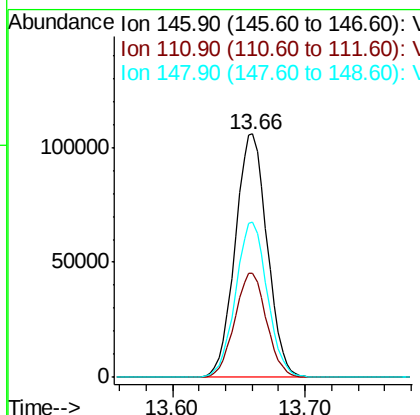
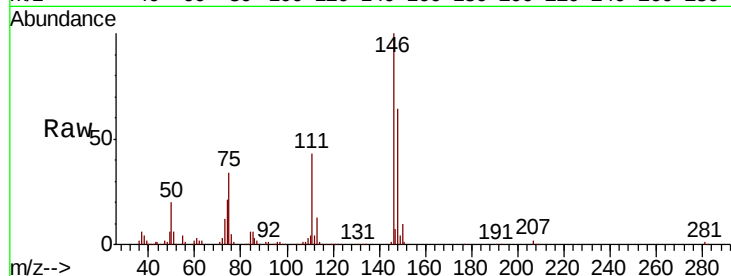
ClientSampleId :

VN1016WBSD01

Tot Ion:	146	Resp:	177309
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.1	63.4
148	63.4	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.700 ug/l

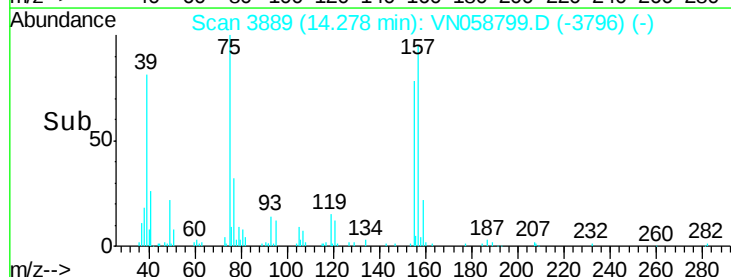
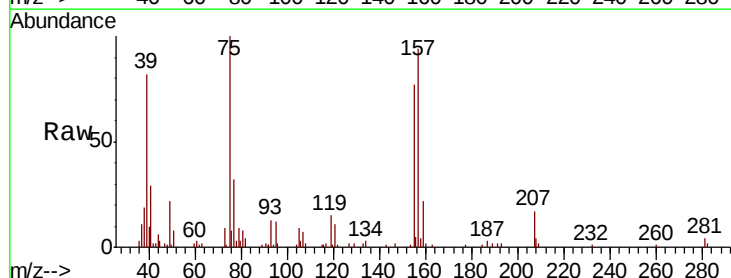
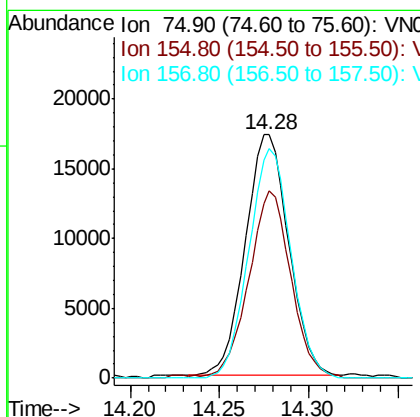
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	75	Resp:	29346
Ion Ratio	Lower	Upper	
75	100		
155	75.4	37.9	113.6
157	92.8	49.4	148.2





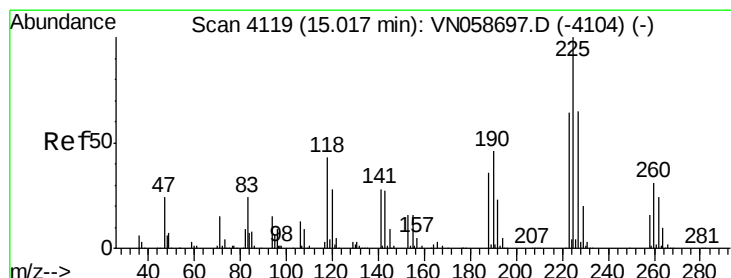
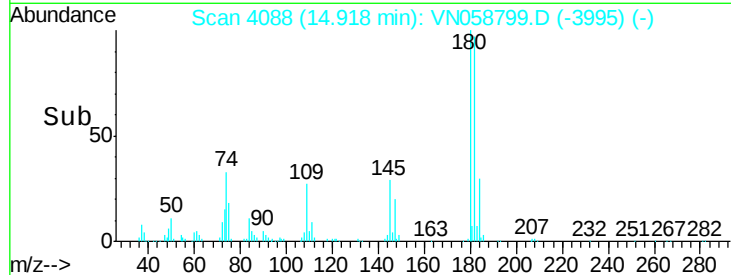
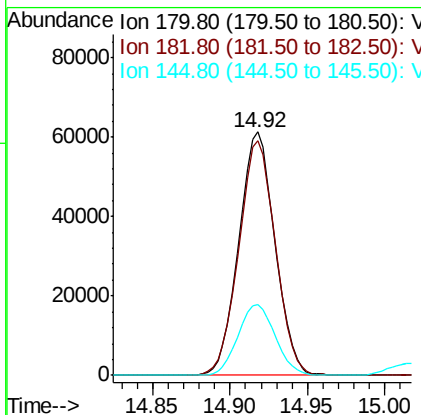
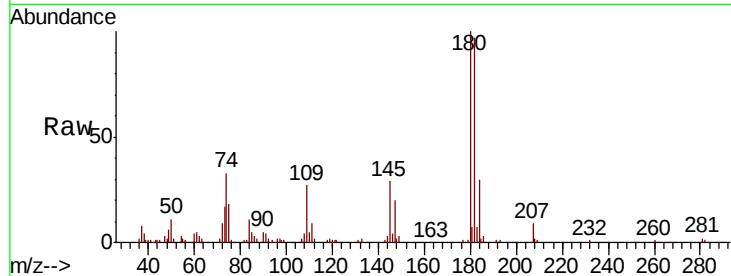
#93
 1,2,4-Trichlorobenzene
 Concen: 19.328 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.4	142.2
145	30.1	15.4	46.2

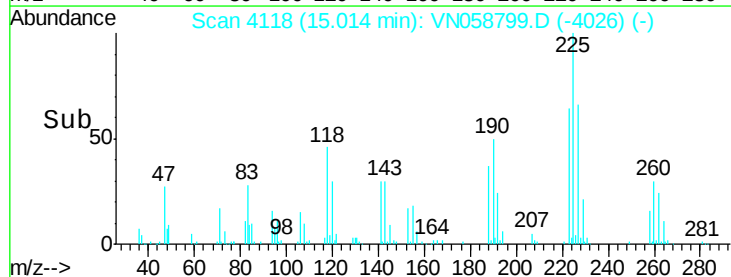
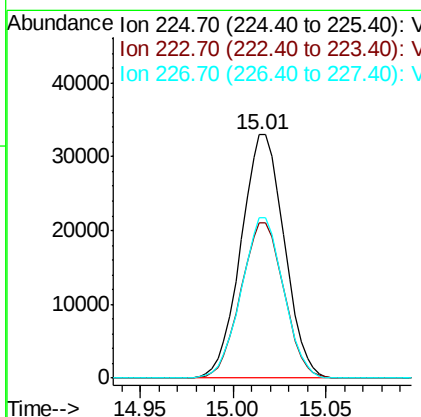
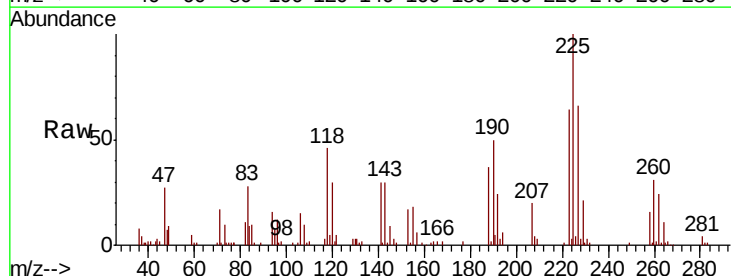
Manual Integrations
 APPROVED

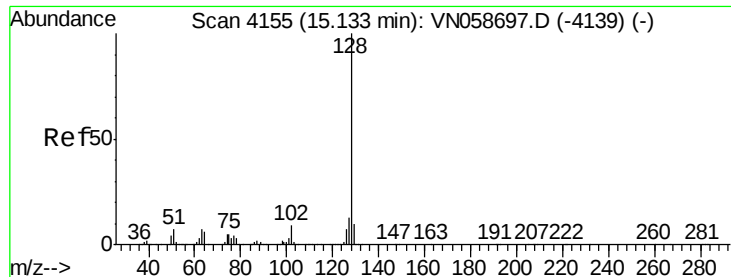
MMDadoda
 10/18/2019 12:51:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.666 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058799.D
 Acq: 16 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.3	96.8
227	64.4	32.4	97.0





#95

Naphthalene

Concen: 19.700 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Instrument :

MSVOA_N

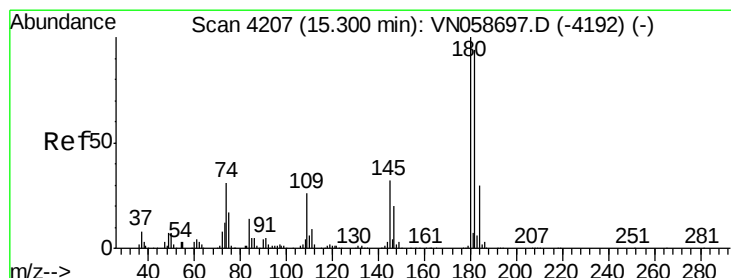
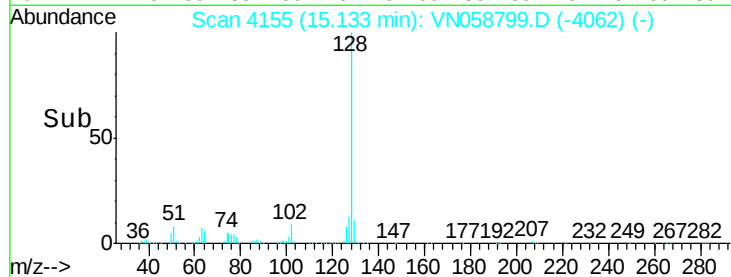
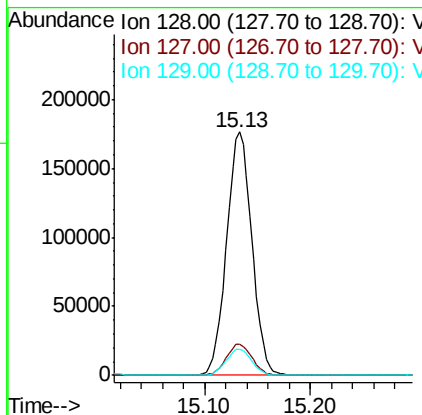
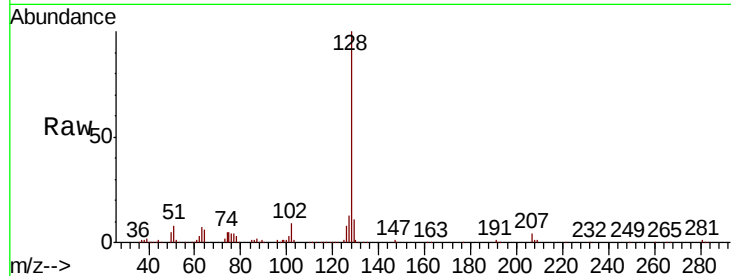
ClientSampleId :

VN1016WBSD01

Tot Ion:	128	Resp:	292264
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.718 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058799.D

Acq: 16 Oct 2019 14:20

Tgt Ion:	180	Resp:	99375
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.3	142.0
145	32.1	16.2	48.6

